		ORD/ OPER	YAL OTO	ACTOR	<u>۸</u>	ш	S			ORD / OPER		MENT RR		П	RESPONSIBILITY NOTES
SITE WORK	H OWNER	HLANDLORD /	H GENERAL	CONTRACT  H SPECIFIED	VENDO	VG PPLICABLE	OTE	MECHANICAL	OWNER	H LANDLORD /		H KITCHEN EQUIPMENT VENDOR	- Q	APPLICABLE	ALL ITEMS AND INSTALLATION WHICH ARE SHOWN ON THE DRAWINGS AND DETAILS, BUT WHICH ARE NOT SPECIFICALLY LISTED ON THE MATRIX ARE TO BE FURNISHED AND INSTALLED BY THE G.C. UNLESS SPECIFICALLY NOTED OTHERWISE.
CONSTRUCTION BARRICADE	FURNIS	FURNISH	FURNISH	INSTALL	INSTALL	NOT AF	Ž	H.V.A.C. CURBS	FURNIS	FURNISH	FURNISH	FURNISH		₹  -   OZ 	THE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATION) ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
TRASH REMOVAL  CONCRETE SLAB  CONCRETE FOOTING / REINFORCEMENT	r						1 2, 4	MAKE-UP AIR CURBS  EXHAUST FAN CURBS  ROOF PENETRATIONS						2, 3	ALL CONSTRUCTION TO MEET THE REQUIREMENTS OF THE GOVERNING CODE AND LOCAL JURISDICTIONS AS LISTED IN THE BUILDING CODE SUMMARY.  CONSTRUCTION DOCUMENTS HAVE BEEN DEVELOPED TO ACHIEVE GENERAL
EXISTING CONCRETE DEMOLITION				0′			3, 4	EXHAUST LOUVER  MECHANICAL STRUCTURAL SUPPORT  H.V.A.C. UNITS						2, 3	COMPLIANCE WITH CURRENTLY APPLIED ACCESSIBILITY GUIDELINES. THE ARCHITECT AND ITS RETAINED CONSULTANTS ASSUME NO LIABILITY REGARDING DECISIONS OR AGREEMENTS, IMPLY ANY WARRANTY OR GUARANTEE REGARDING CHANGES IN OR DIFFERING INTERPRETATIONS OF ACCESSIBILITY GUIDELINES AS THEY APPLY TO THESE
	ER	LANDLORD / DEVELOPER	GENERAL	TRACTOR	VENDOR	3LE		MAKE-UP AIR UNITS  EXHAUST FAN UNITS  DUCTWORK DISTRIBUTION							DOCUMENTS.  IT IS THE RESPONSIBILITY OF THE GC AND MILLWORKER TO SURVEY THE SPACE AND
GENERAL CONSTRUCTION	ISH OWNER			LL CON		TING APPLICABLE		FIRE DAMPERS DIFFUSERS THERMOSTATS						2, 3, 4	DETERMINE HIGH & LOW SPOTS ON THE CONCRETE FLOOR THAT NEED TO BE LEVELED.  IT IS ALSO THE GC AND MILLWORKERS RESPONSIBILITY TO REVIEW THE THICKNESS OF  THE FINISHED FLOOR MATERIALS TO BE SET AT A LEVEL POINT THROUGHOUT THE SPACE  TO MAINTAIN THE 4' - 0" DIMENSION AFF TO THE TOP OF THE WOOD CAP AT THE
CONCRETE, A.B.C., VAPOR BARRIER	FURNISH	FURNISH	FURNISH	INSTALL FURNISH	INSTA	EXIST NOT/	2, 4	EXHAUST HOODS  ANSUL / FIRE SUPPRESSION SYSTEM  GAS SHUTOFF VALVE INTERCONNECTION						2, 3, 4	WAINSCOT.  ALL TRADES REVIEW ALL SHEETS OF THE CONSTRUCTION DOCUMENTS FOR COORDINATION PURPOSES.
CONCRETE MASONRY UNIT (C.M.U.) EXTERIOR FRAMING STRUCTURAL STEEL					(			CERTIFIED BALANCE REPORT	N .						GC SHALL PROVIDE WRITTEN NOTICE FOR CLAIMS OF ADDITIONAL COST DUE TO REVISIONS TO THE CONSTRUCTION DOCUMENTS IN A TIMELY MANNER TO OWNER FOR
ROOF FRAMING INTERIOR PARTITIONS GYPSUM BOARD BULKHEADS / SOFFITS				•			2, 4				0 8				REVIEW AND APPROVAL PRIOR TO EXECUTING THE WORK. CHANGE ORDERS MUST BE APPROVED IN ADVANCE OF ANY WORK DONE. IF NOT APPROVED GC ASSUMES ALL FINANCIAL RESPONSIBILITY.
GYPSUM BOARD CEILINGS SUSPENDED CEILINGS DOORS AND HARDWARE				•	(		3 5	EL EGEDIO AL	OWNER	LNDLORD / DEVELOP.	NERAL	KITCHEN EQUIP. VENDOR		ES CABLE	DO NOT SCALE DRAWINGS. IF IN QUESTION OBTAIN CLARIFICATION FROM THE ARCHITECT. IF DIMENSIONS OR CONDITIONS SHOWN DIFFERS IN THE FIELD, GC TO NOTIFY ARCHITECT FOR RESOLUTION PRIOR TO ANY WORK IN THE AREA. GC ASSUMES RESPONSIBILITY FOR ANY PROBLEMS & COST (INCLUDING SCHEDULING) RELATED TO THE
ACCESS PANELS INSULATION FIRE PROOFING							2, 4	ITEM	NISH OW	FURNISH DE	. I I	<u>」「ヹヿヿ</u>	Ĭ		DISCREPANCY IF ARCHITECT IS NOT NOTIFIED IN A TIMELY MANNER  WHERE SPECIFIED MATERIAL, EQUIPMENT OR SPECIALTY ITEMS REQUIRE EXCESSIVE TIME THAT MAY CAUSE DELAY TO CONSTRUCTION SCHEDULE, CONTRACTOR SHALL
SOUND PROOFING PAINTING TILE						•	_	TRANSFORMER ELECTRICAL METER	FUR	FUR A	FURNIS	FURNIS	EXIS.	Ž	NOTIFY ARCHITECT IN A TIMELY MANNER ARCHITECT WILL ADVISE IF ALTERNATES WILL BE ACCEPTED.
A-FRAME CEILING STRUCTURE  GARAGE DOOR & STRUCTURE  STOREFRONT WINDOWS								ELECTRICAL PANELS ELECTRICAL SUB-PANELS			0			2, 3	PARTITION ANGLES ARE PARALLEL, PERPENDICULAR OR 45 DEGREE ANGLES TO BUILDING PERIMETER UNLESS NOTED OTHERWISE.  CENTERLINE DIMENSIONS SHALL BE MEASURED FROM CENTERLINE OF ASSEMBLY,
STOREFRONT GLAZING METAL CLADDING LIGHT GAUGE FRAMING / FURRING								ELECTRICAL DISCONNECT SWITCHES ELECTRICAL DISTRIBUTION ELECTRICAL WIRING			•				FIXTURE OR DEVICE. CENTERLINE INDICATION AT PARTITION ABUTTING BUILDING ELEMENTS (MULLIONS, COLUMNS OR PILASTERS, SHALL ALIGN CENTER OF PARTITION ASSEMBLY WITH CENTER OF ELEMENT.
PLYWOOD SHEATHING  CONCRETE POLISHING  CONCRETE STENCIL FINISH								TRANSFOMRER PAD TENANT SERVICE CONDUCTORS TENANT SERVICE CONDUIT							ALL DIMENSIONS MARKED "CLEAR" SHALL BE MAINTAINED FROM THE FINISHED SURFACES.
CONCINETE OTENOIE FINION								ELECTRICAL SWITCHES - ALL ELECTRICAL RECEPTACLES - ALL TELEPHONE SYSTEM CONDUITS						2, 3	GC TO COORDINATE & PROVIDE SOLID WOOD BLOCKING IN WALLS FOR MOUNTING ALL CABINETS, TOILET ACCESSORIES, TVS AND OTHER WALL MOUNTED ITEMS.  FIRE SAFE ALL PENETRATIONS IN UL RATED PARTITIONS TO MAINTAIN / ACHIEVE LEVEL OF
								TELEPHONE TERMINAL BOARD DIMMERS GENERAL LIGHT FIXTURES						2, 3	PROTECTION REQUIRED FOR PARTITION TYPE. FIRE SAFE ALONG PERIMETER OF RATED PARTITIONS WHERE VOIDS OCCUR, SUCH AS FLOOR DECKING. PENETRATION OF PARTITIONS FOR MECHANICAL SYSTEMS OR STRUCTURAL SUPPORTS SHALL BE PROPERLY SEALED PER UL REQUIREMENTS. PENETRATIONS WITHIN RATED PARTITION
								EXIT / EMERGENCY LIGHT FIXTURES P.O.S. CONDUITS					•	8 8 7	ASSEMBLIES SHALL PROVIDE REQUIRED DAMPERING DEVICES SLEEVES AND FIRE PROOFING TO MAINTAIN APPROVED RATING.
				n l				EXHAUST HOOD INDICATOR LIGHTS EXHAUST HOOD SWITCHING EXHAUST HOOD LIGHTS						6 6 6	ALL HARDWARE IS TO COMPLY WITH ANSI 117.1 THROUGH-OUT.  WHERE NEW PARTITION ALIGNS WITH FACE OF EXISTING PARTITIONS, REMOVE CORNER BEAD, TAPE & SPACKLE NEW PARTITION TO EXISTING FOR A SMOOTH TRANSITION.
	H.	LANDLORD / DEVELOPER	GENERAL	TRACTOR	VENDOR	ABLE		KITCHEN EQUIPMENT FINAL CONNECT AUDIO / VIDEO CONDUIT ELECTRICAL FOR SIGNAGE							GC TO REFERENCE KITCHEN PLANS FOR ADDITIONAL WALL BLOCKING LOCATIONS. (IF APPLICABLE)
MILLWORK / FURNITURE	SHOWN				LL VEN	익		SECURITY CONDUIT							REFERENCE ELECTRICAL PLANS FOR LOCATIONS OF POWER IN HALF WALLS, POWER TO BE FEED FROM THE FLOOR.
P.O.S. COUNTER & STATION	FURNISH	FURNISH	FURNISH	INSTALL	INSTALL	EXISTING NOT APPI	6			) a	CTOR				REFERENCE PLUMBING PLANS FOR LOCATIONS OF SENSORS IN HALF WALLS THAT ARE ALSO POWERED FROM FLOOR.  NO RECEPTACLES, THERMOSTATS, FIRE SENSORS, ETC. ARE TO BE LOCATED IN THE
DINING TABLE TOPS & BASES CHAIR BANQUETTE					0		6 6		OWNER	LNDLORD, DEVELOP.	GENERAL	SPECIFIED VENDOR		LICABLE	CENTER OF WALLS AND / OR WHERE ACCESSORY ITEMS ARE SHOWN.  WHERE INTERIOR WALLS ABUT EXISTING STOREFRONT, WALL IS TO BE CENTERED ON THE MULLION UNLESS NOTED OTHERWISE AND CAPPED OFF WITH BREAK METAL "C" CHANNEL
BOOTH COMMUNAL TABLE COMMUNAL BENCH				•	0		6 6 6	ITEM	URNISH	FURNISH	<u> </u>	ılıı	EXISTING	NOT APP	TO FINISH EDGES THAT MAY BE VISIBLE FROM EXTERIOR. BREAK METAL TO MATCH STOREFRONT.
DINING COUNTER PICK UP / BEVERAGE COUNTER TRASH / TRAY				•	0		6 6 6	SMOKE DETECTORS STROBE LIGHTS SYSTEM SPEAKERS					0	9 9	PROVIDE REQUIRED ACCESS PANELS IN PARTITIONS FOR MECHANICAL, ELECTRICAL & PLUMBING SYSTEMS. LOCATION OF ACCESS PANELS SHALL BE VERIFIED WITH ARCHITECT PRIOR TO CONSTRUCTION.
HIGH CHAIR STORAGE FIXTURE							6	CONDUIT FOR ALL ABOVE WIRING FOR ALL ABOVE FIRE EXTINGUISHERS						9	GC TO NOT DISTURB OR DISRUPT ANY STRUCTURAL OR DECORATIVE SHELL BUILDING ITEMS AND TO SECURE "TO DECK" ITEMS AT STRUCTURE IN LIEU OF ROOF DECK.  ALL WET AREAS TO RECEIVE MOISTURE / MOLD RESISTANT TREATMENT & MATERIALS.
								FIRE EXTINGUISHER CABINETS FIRE SPRINKLER SYSTEM FIRE SPRINKLER SYSTEM DESIGN							PROVIDE LEVEL 4 GWB FINISH THROUGH-OUT  GC TO COORDINATE AND / OR RELOCATE DUCT WORK, SPRINKLER PIPING, ELECTRICAL
								FIRE SPRINKLER SYSTEM PERMITS FIRE ALARM PANEL					•	9	CONDUIT, ETC. AS MAY BE REQUIRED TO COMPLY WITH THE DESIGN DRAWINGS.  UPON COMPLETION OF PROJECT CONTRACTOR SHALL:
				۵ - -							<u> </u>				a. MAKE INSPECTIONS b. SUBMIT AN INITIAL CONSTRUCTION REVIEW (PUNCH) LIST TO ARCHITECT AND SCHEDULE FOR ARCHITECTS CONSTRUCTION REVIEW / PUNCH LIST
	ER	LANDLORD	GENERAL		DOR	BLE			OWNER	LNDLORD / DEVELOP.	GENERAL			ICABLE	c. PROVIDE PROJECT RECORD TO OWNER d. PROVIDE EQUIPMENT WARRANTIES, OPERATION MANUALS, & CLOSEOUT DOCUMENTATION e. SCHEDULE DEMONSTRATIONS OF EQUIPMENT / SYSTEM OPERATION & SPECIAL
PLUMBING	ISH OWNER		I ALL RNISH GEN	TALL CON		TING APPLICABLE		SPECIALTY	NISH OW!	URNISH LND	<u> </u>		(n   i	APPLICA	MAINTENANCE f. FINAL CLEAN
ITEM PIPING INSTALLATION	FURNISH	FURNISH	FURNISH	NS FUE	INSTA	NOT API	4	SECURITY SYSTEM WIRING AND EQUIP	FURI		FURNISH	FURNISH	EXIST	10	LANDLORD COORDINATION NOTES
4" WASTE SERVICE HOT / COLD WATER LINES GAS PIPING TO EQUIPMENT							2, 3	TELEPHONE SYSTEM & WIRING P.O.S. SYSTEM WIRING AND EQUIPMENT AUDIO SYSTEMS						10 10 10	GC SHALL COORDINATE W/ THE LANDLORDS GUIDELINES FOR THE USE OF THE SITE.
WATER METER WATER HEATER WATER HEATER DRAIN PAN								VIDEO SYSTEMS/TELEVISIONS/MENU PAGING SYSTEM WIRELESS INTERNET						10 10 10	A PRECONSTRUCTION MEETING BETWEEN GC, OWNER & LANDLORD MUST BE SCHEDULED PRIOR TO COMMENCING CONSTRUCTION.
WATER HEATER RESTRAINT KITCHEN EQUIPMENT HAND SINKS KITCHEN EQUIPMENT SINKS									OWNER	LNDLORD DEVELOP.	GENERAL CONT.	KITCHEN EQUIP. VENDOR		ICABLE	GC IS REQUIRED TO VERIFY ALL EXISTING CONDITIONS & DIMENSIONS PRIOR TO COMMENCING WORK.
KITCHEN EQUIPMENT FAUCETS EQUIPMENT WATER FILTERS FLOOR SINKS				•			4 2, 3	ITEM	JRNISH	JRNISHL	JRNISH	FURNISH NSTALL	] NIL	NOT APPL	VICINITY MAP
FLOOR DRAINS MOP SINK RESTROOM TOILET FIXTURES					(		2, 3	KITCHEN EQUIPMENT WALK-IN COOLER / FREEZER					— : •	6	Lakewood Golf Course O VILLAGE The Gardens Casino Fig.
RESTROOM SINKS / LAVATORIES GREASE INTERCEPTOR WATER SERVICE					(			WALK-IN BEER COOLER STAINLESS STEEL EQUIPMENT STAINLESS STEEL SHELVING							BIXBY KNOLLS  E floring file  CAL HEIGHTS  Airport  Beach Cold Course  F Creates 5. Hawaiian Gardens  Gardens  F Creates 5. Hawaiian Gardens  F Creates 5.
GAS METER AND SERVICE								STAINLESS STEEL PANELS  FIBER REINFORCED PLASTIC PANELS FR  REFRIGERATION COMPRESSORS	IP I					2	El Dorado East Regional Park  Signal Hill  S
								KITCHEN POS EQUIPMENT STAINLESS STEEL CORNERGUARDS EQUIP STARTUP TEST & CALIBRATION						10 7 10	SIDE  Golf Course  Joint Fores O  Training Sales  CIRCLE AREA  Restricts
								CHECK IN ALL EQUIPMENT  COKE MACHINE  BEER SYSTEM						10	So MOLAA So Table So
								BLEINGTOTEIN							The Queen May   ALAMITOS  FASA  BEACH  Foreign  Fasa  BEACH  Fasa
															Houring Service Center  Westminster Mall   Seal Beach  Seal Beach
RESPONSIBILITY SCHEDULE	NUN	  BERE	ED NO	OTES:											DEFERRED SUBMITTALS
	AND LA	NDLOR	D'S COI	NSTRU	СТІО		DBOOK F	OR SUPPLY AND INSTALLATION RESPONSI	BILITIES	S AND IN	NFORM <i>A</i>	ATION			DOCUMENTS FOR DEFERRED SUBMITTALS ITEMS SHALL BE SUBMITTED TO THE REGISTEREI DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWAR
<ul><li>3. SEE APPLICABLE PLAN FOR DET</li><li>4. IF APPLICABLE PER NEW DESIGN</li></ul>		INFORM	MATION												THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL SHALL NOT BE INSTALLED UNTIL THE DEFERRED HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
	ORS F	OR ORI	DERING	S, SHIPI	MENT	S, DEI	_IVERY A	ND INSTALLATIONS AS APPLICABLE TO EAC	H ITEM	. USHG	TO PAY	FOR ITE	MS		DEFERRED SUBMITTAL:
DIRECTLY THRU NATIONAL ACCO															FIRE SUPPRESSION (SPRINKLER SYSTEM)     FIRE ALARM AND PA SYSTEM

## RED SUBMITTALS

- 3. SIGNAGE
- 7. PLUMBING SYSTEMS 8. CO2 SYSTEMS
- 9. EXTERIOR FABRIC FOR PATIO COVER

11. MANUAL DIMMING; CIRCUITS THRU TIMECLOCK CONTROLLED CONNECTOR. SEE ELECTRICAL DRAWINGS 12. EXISTING G.C. TO RELOCATE AS DIRECTED

8. GC TO COORDINATE WITH VENDORS FOR ORDERING, SHIPMENTS, AND DELIVERY AS APPLICABLE TO EACH ITEM. USHG TO PAY FOR ITEMS DIRECTLY THRU

7. G.C. TO VERIFY EXISTING ACCOMODATES NEW DESIGN

NATIONAL ACCOUNT AGREEMENTS. G.C. TO INSTALL

10. G.C. TO COORDINATE SCHEDULE

9. EXISTING; G.C. TO MODIFY IF REQUIRED PER FIRE MARSHALL.

4. GLAZING SYSTEM IN ACCORDENCE WITH ASTM 1300 5. MECHANICAL SYSTEMS 6. ELECTRICAL SYSTEMS

NOTE: ALL DEFERRED ITEMS SHALL BE SUBMITTED TO LBDS AT LEAST 60 DAYS PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL.

#### **ABBREVIATIONS** ACOUSTICAL CEILING TILE LAVATORY A.D.A. AMERICANS WITH DISABILITIES LB POUND LANDLORD ARCH ARCHITECT(URAL) LIGHT BLDG **BUILDING** MAX MAXIMUM MFD MANUFACTURED BLOCKING MFR MANUFACTURER MECH MECHANICAL MINIMUM MISC CEILING MISCELLANEOUS MTD MOUNTED CONC CONCRETE MTL

CONSTRUCTION N.I.C. NOT IN CONTRACT CONSTR CONTINUOUS / CONTINUATION NOT TO SCALE N.T.S. CONCRETE MASONRY UNIT DEPARTMENT ON CENTER DIAMETER OWNER FURNISHED, DIFFUSER CONTRACTOR INSTALLED OVHD DIMENSION OVERHEAD DISPENSER DIVISION PREFABRICATED DOWN P.L. PLASTIC LAMINATE DSCON DISCONNECT REFERENCE ELEC ELECTRICAL REFR REFRIGERATOR / REFRIGERATED **EMBED** EMBEDDED / EMBEDMENT REQ'D REQUIRED ENGINEER(ED) REINFORCE / REINFORCED R.O. EQUIPMENT ROUGH OPENING **EXPANSION JOINT** SQUARE FEET EXTERIOR SHORG SHORING FABRICATION SIMILAR FLOOR DRAIN STEEL FIRE EXTINGUISHER ST STL STAINLESS STEEL STRUCT STRUCTURE FIRE EXTINGUISHER & CABINET SURFACE FINISH FACE FIRE HOSE CABINET SUSPENDED SYS FURNITURE SYSTEM(S) T.B.D. TO BE DETERMINED GENERAL CONTRACTOR **TEMPORARY** 

WOOD

WINDOW

WITHOUT

WATERPROOFING

OCCUPANCY GROUP: A2 ASSEMBLY (RESTAURANT)

OCCUPANCY LOAD:

239 OCCUPANTS (SEE OCCUPANC)

PROJECT DIRECTORY

P701 PLUMBING SCHEDULES

OWNER:

THE 908, LLC

949.432.6461

**ARCHITECT** 

**GEOFF LIM** 

CIARAN GOUGH

ciaran@coinrestaurantconsulting.com

218 THE PROMENADE NORTH

LONG BEACH, CA. 90802

PROJECT ARCHITECT 562.206.7720

geoff@idaexperience.com

miguel@idaexperience.com

MIGUEL HERNANDEZ

562.206.7720 x335

INNOVATION AND DESIGN IN ARCHITECTURE, INC

WASTE AND VENT PLUMBING PLAN

WATER AND GAS PLUMBING PLAN

MEZZANINE PLUMBING PLAN

NATURAL GAS PLUMBING PLAN

REQUIRED

**VENDORS:** 

FIRE PROTECTION

**ROOFING** 

LANDLORD ENGINEERING TEAM

ALAN CHANG P.E

949. 477.4001 X 2322

AChang@wrighte.com

KITCHEN EQUIPMENT (Owner Provided)

EQUIPMENT, CO

801.364.1981

**CARTER STEENBLIK** 

carter@rescoslc.com

**RESTAURANT & STORE** 

CALCULATION ON SHEET CS200)

CONSTRUCTION TYPE:

FULLY SPRINKLERED

DRAWING NAME

DRAWING NUMBER

SCALE

WD

w/o

WNDW

**EQUIP** EXP JT FE&C TEMP THK GLASS FIBER REINFORCED TRT'D TREATED PLASTER **TSTAT** THERMOSTAT GLASS / GLAZING TYP GYPSUM GWB GYPSUM WALL BOARD **UNDRLAY** UNDERLAYMENT H.M. HOLLOW METAL UTILITY UNLESS NOTED OTHERWISE U.N.O. HORIZ HORIZONTAL HVAC HEATING, VENTILATION, & AIR V.C.T. VINYL COMPOSITE TILE CONDITIONING **VERT** VERTICAL V.I.F. VERIFY IN FIELD INFORMATION

**PROJECT INFORMATION** 

INSULATION

INTERIOR

INSUL

PROJECT ADDRESS: LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP) TYPE OF CONSTRUCTION: BUILDING OCCUPANCY: PROJECT AREA: TOTAL BUILDING NO. OF STORIES: BUILDING LIFE SAFETY INFO: SPRINKLERED ADDITIONAL REQUIREMENTS: THE CONTRACTOR SHALL REPLACE ALL MISSING FIREPROOFING AND FIRESTOPPING. THE CONTRACTOR SHALL REPLACE ALL FIREPROOFING AFFECTED BY NEW CONSTRUCTION WITH FIREPROOFING TO MATCH BASE BUILDING STANDARDS, APPROVED EQUAL, OR AS REQUIRED TO ALL INTERIOR FINISHES SHALL COMPLY WITH THE REFERENCED CODE REQUIREMENTS FOR FLAMMABILITY AND SMOKE DEVELOPED RATINGS AS WELL AS TOXICITY. WALL AND CEILINGS: PER ASTM E84, CLASS A FLAME SPREAD: 0 - 25 SMOKE DEVELOPMENT: 0 - 200 ASTM E648, CLASS I CRITICAL RADIANT FLUX OF NOT LESS THAN 0.45 WATTS PER SQUARE CENTIMETER ALL DOORS TO BE 36" WIDE MIN., 34" MIN. CLR. IN OPEN POSITION (U.O.N.).

## CODE SUMMARY

**APPLICABLE CODES:** 2016 CALIFORNIA BUILDING CODE BUILDING CODE: GREEN BUILDING: 2016 GREEN BUILDING STANDARDS CODE MECHANICAL CODE: 2016 CALIFORNIA MECHANICAL CODE ELECTRICAL CODE: 2016 CALIFORNIA ELECTRICAL CODE PLUMBING CODE: 2016 CALIFORNIA PLUMBING CODE FIRE CODE: 2016 CALIFORNIA FIRE CODE **ENERGY CODE:** 2016 CALIFORNIA ENERGY CODE ACCESSIBILITY CODE: 2016 CALIFORNIA BUILDING CODE FOR ACCESSIBILITY **ENERGY CODE:** 2016 CALIFORNIA ENERGY CODE, TITLE 24

PROPOSED BUILDING HEIGHT EXISTING SINGLE STORY, APPROX 28' - 0" (TO REMAIN) EXISTING BUILDING AREA BUILDING <u>5200</u> SQUARE FEET OUTDOOR OPEN PATIO AREA 736 SQUARE FEET

## SYMBOL LEGEND

SHEET	ELEVATION MARKER	REF. HEIGHT	_ ELEVATION DATUM POINT
DTL#	SECTION MARKER	CEILING HEIGHT A.F.F.	CEILING HEIGHT
SHEET		(FIN-1)	FINISH TAG
	DTL #\SHEET	100	KEY NOTE
	DETAIL MARKER	1	DOOR NUMBER
W1	WALL TYPE	A	WINDOW MARKER
		Room 1	ROOM NAME ROOM NUMBER
A	COLUMN GRID AND GRID BUBBLES	N	NORTH SYMBOL



HEE	T INDEX		
SHEET NUMBER	SHEET NAME	CURRENT REVISION DATE	CURRENT REVISION
ARCHITECT			
A008 A016	ACCESSIBILITY CODE COMPLIANCE DIAGRAMS INTERIOR DETAILS-1	Date 1	1
A017	INTERIOR DETAILS-2		
A018 A014	FIRE RESISTIVE PENETRATION DETAILS PARTITION TYPES		
A015	PARTITION TYPE DETAILS		
A000 A001	COVER SHEET GENERAL NOTES, ABBREVIATIONS, & DRAWING CONVENTIONS		
A002	SITE PLAN & ADA PATH OF TRAVEL		
A002A A002B	SITE DETAILS & ADA PARKING ADN SIGNAGE ROOF PLAN		
A003	DEMOLITION PLAN		
A004 A005	DEMOLITION ELEVATIONS  OCCUPANCY AND EGRESS PLAN / CODE SUMMARY		
A006	CONSTRUCTION FLOOR PLAN - DIMENSIONED		
A007 A009	CONSTRUCTION FLOOR PLAN - NOTED  ACCESSIBILITY CODE COMPLIANCE DIAGRAMS		
A010	ACCESSIBILITY CODE COMPLIANCE DIAGRAMS & ENLARGED RESTROOM		
A011 A012	ACCESSISBILITY CODE COMPLIANCE DIAGRAMS  DOOR SCHEDULE & ACCESSIBILITY NOTES		
A012 A013	PARTITION DETAILS - SEISMIC CATEGORIES A & B		
A019 A100	BUILDING SECTIONS POWER & LOW VOLTAGE PLAN & DETAILS		
A200	REFLECTED CEILING LIGHTING PLAN		
A201	CEILING DETAILS - SEISMIC CATEGORIES A&B		
A300 A400	ENLARGED RESTROOM PLAN & ELEVATIONS  EXTERIOR ELEVATIONS		
A401	EXTERIOR ELEVATIONS		
A500 A501	INTERIOR ELEVATIONS INTERIOR ELEVATIONS		
A600	ENGLARGED BAR PLANS		
A601 A602	ENLARGED BAR ELEVATIONS AND DETAILS ENGLARGED BAR PLANS, ELEVATION, AND DETAILS		
A603	FINISH FLOOR PLAN , FINISH SCHEDULE & DETAILS		
A700 A800	BUILDING DETAILS  CA GREEN BUILIDNG FORMS & NOTES		
A801	CA GREEN BUILIDNG FORMS & NOTES		
A802 A810	CA GREEN BUILIDNG FORMS & NOTES GENERAL NOTES		
A811	GENERAL NOTES		
A900 A901	FURNITURE & MILLWORK PLAN FURNITURE & MILLWORK DETAILS		
A902	FURNITURE & MILLWORK DETAILS		
A903 A904	FURNITURE & MILLWORK DETAILS FURNITURE & MILLWORK DETAILS		
A905	ARTWORK PLAN & ELEVATIONS		
AN202 AN203	BEST MANAGEMENT PRACTICES  ACCESSIBILITY NOTES		
AN500	ROOM FINISH SCHEDULE		
AN501 AN502	SPECIFICATIONS CEILING SPECIFICATIONS		
AN600	MATERIAL SCHEDULE		
STRUCTURA S1.0	ROOF LOADING PLAN		
SD-1	STRUCTURAL NOTES AND DETAILS		
KITCHEN	FOOD CERVICE FOLLIDMENT DI ANI		
K-1 K-1.1	FOOD SERVICE EQUIPMENT PLAN FOOD SERVICE KITCHEN EQUIPMENT SCHEDULE		
K-1.2	FOOD SERVICE BAR SCHEDULE		
K-4 K-5	FOOD SERVICE FLOOR SINK FOOD SERVICE WALL BACKING		
K-6	FOOD SERVICE ELEVATIONS		
K-7 WI-1	FOOD SERVICE DETAILS FOOD SERVICE WALK-IN COOLER		
WI-2	FOOD SERVICE WALK-IN COOLER		
MECHANICA M101	MECHANICAL PLAN		
M102	MECHANICAL ROOF PLAN		
M201 M202	MECHANICAL DETAILS AND SCHEDULES MECHANICAL DETAILS AND SCHEDULES		
M203	MECHANICAL DETAILS AND SCHEDULES		
M204 M205	MECHANICAL DETAILS AND SCHEDULES MECHANICAL DETAILS AND SCHEDULES		
M206	MECHANICAL DETAILS AND SCHEDULES  MECHANICAL DETAILS AND SCHEDULES		
M207	MECHANICAL DETAILS AND SCHEDULES		
MS101 MS102	MECHANICAL SPECIFICATIONS MECHANICAL SPECS		
MS103	MECHANICAL SPECS		
MS104 ELECTRICAI	MECHANICAL SPECS		
E100	ELECTRICAL LEGEND AND GENERAL NOTES		
E101 E102	RISER DIAGRAM AND SCHEDULES PANEL SCHEDULES		
E200	POWER PLAN		
E201 E202	LIGHTING PLAN LIGHTING CONTROL PLAN		
E203	ROOF PLAN		
E300 PLUMBING	DETAILS AND DIAGRAMS		
PLUMBING P001	PLUMBING TITLE SHEET		

MECHANICAL ENGINEERING & DESIGN | ELECTRICAL ENGINEERING & DESIGN | PLUMBING ENGINEERING & DESIGN

LIGHTING DESIGN & FIXTURES SIGNAGE

WRIGHT ENGINEERING

ALAN CHANG P.E

949. 477.4001 X 2322

AChang@wrighte.com

PLAN REVIEW:

BUILDING DEPARTMENT: HEALTH

WWW.LBDS.INFO 90815

333 WEST OCEAN BLVD. **DEPARTMENT**:

WRIGHT ENGINEERING

ALAN CHANG P.E

949. 477.4001 X 2322

AChang@wrighte.com

james.alto@villalighting.com





Project Status 09/05/18 REASON

PRINCIPAL IN CHARGE M WALSH PROJECT MANAGER:

THE 908

LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD **SUITE 410, BUILDING (TYP)** 

153-001-18 Sheet Title:

STRUCTRAL ENGINEERING &

333 WEST OCEAN BLVD.

WRIGHT ENGINEERING

2525 GRAND AVENUE, 4th FLOOR

LONG BEACH, CA 90802 LONG BEACH, CA LONG BEACH, CA 90802 WWW.LBDS.INFO 90815 562.570.2500

**COVER SHEET** 

Sheet Number:

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@	АТ	FA FBO	FIRE ALARM FURNISHED BY OTHERS	THE CONSTRUCTION CONTRACT INCLUDES THE EXECUTED, SIGNED AGREEMENT BETWEEN THE OWNER AND THE CONTRACTOR, AND THE CONSTRUCTION DOCUMENTS, WHICH INCLUDES THE DRAWINGS AND THE SPECIFICATIONS.	THE G.C SHALL COORDINATE PARKING, MATERIAL DELIVERY, MATERIAL STAGING AND CONSTRUCT DUMPSTER LOCATIONS W/ LANDLORD AND/OR LANDLORD'S TENANT PRIOR TO BEGINNING CONSTRUCTION. MAINTAIN ALL PEDESTRIAN WALKWAYS OPEN DURING CONSTRUCTION WHEN F
A/C ABV ACT ADA	AIR CONDITIONING ABOVE ACOUSTICAL CEILING TILE AMERICAN'S W/ DISABILITIES ACT	FC FD FE FEC	FIXTURE CONTRACTOR FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	BY EXECUTION OF THE CONSTRUCTION CONTRACT, THE CONTRACTOR REPRESENTS THAT HE OR SHE HAS (1) READ AND UNDERSTANDS THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, (2) VISITED	IS LOCATED WITHIN AN EXISTING OCCUPIED DEVELOPMENT. COORDINATE ALL SHARED UTILITIES SPRINKLER SYSTEM SHUT OFFS, ETC. W/ LANDLORD AND/OR LANDLORD'S TENANT PRIOR TO BEG OF THE WORK.
AFF ADJ AHU	ABOVE FINISH FLOOR ADJUSTABLE AIR HANDLING UNIT	FF FF EL FIN	FINISH FACE FINISH FLOOR ELEVATION FINISH	THE PROJECT-SITE, (3) BECOME FAMILIAR WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED, (4) CORRELATED PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE CONTRACT	NEW FIRE ALARM SYSTEM IS TO BE INCLUDED UNDER A DESIGN-BUILD CONTRACT AND SUBMITTE
ALUM APPROX ARCH AWT	ALUMINUM APPROXIMATE ARCHITECTURAL ACOUSTICAL WALL TREATMENT	FIXT FLR FLUOR FDTN	FIXTURE FLOOR FLUORESCENT LIGHTING	DOCUMENTS, AND (5) THAT HE OR SHE WILL COMPLY WITH ALL REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.	THE GENERAL CONTRACTOR FOR SEPARATE REVIEW & PERMIT AS REQUIRED BY THE LOCAL BUI OR FIRE DEPARTMENT. COORDINATE WITH THE ELECTRICAL DWGS AND SPECIFICATIONS.
BD BITUM	BOARD BITUMINOUS	FOC FOF FOM	FOUNDATION FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY	THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE CONSTRUCTION WORK - AND TO PROVIDE (FURNISH AND	(MODIFICATIONS TO THE EXISTING FIRE ALARM SYSTEM AS REQUIRED BY THE CODE IS TO BE INC UNDER A DESIGN-BUILD CONTRACT AND SUBMITTED BY THE GENERAL CONTRACTOR FOR SEPAF REVIEW & PERMIT AS REQUIRED BY THE LOCAL BUILDING OR FIRE DEPARTMENT. COORDINATE W
BLDG BLKG BM	BUILDING BLOCKING BEAM	FOS FRT FT	FACE OF STUD FIRE RETARDANT TREATED FOOT (FEET)	INSTALL) ALL PRODUCTS, MATERIALS, EQUIPMENT OR ACCESSORIES REQUIRED FOR PROPER OPERATION, IN ACCORDANCE WITH THEIR MANUFACTURER'S REQUIREMENTS.	ELECTRICAL DWGS. AND SPECIFICATIONS.)
BR BRG CFLG	BRICK BEARING COUNTER FLASHING	FTG FURG GA	FOOTING FURRING GAGE	THE CONTRACT DOCUMENTS ARE COMPLEMENTARY - WHAT IS REQUIRED BY ONE SHALL BE AS BINDING	KEYNOTE NUMBERING MAY NOT COMPLY WITH SPECIFICATION SECTIONS, AND NOT ALL KEYNOT NUMBERS ARE USED. REFER TO KEYED DRAWINGS FOR USED KEYNOTES.
CFLG CJ CL CLG	CONTROL JOINT CENTER LINE CEILING	GALV GC GFRC	GAGE GALVANIZED GENERAL CONTRACTOR GLASS-FIBER REINFORCED CONCRETE	AS IF REQUIRED BY ALL. WHILE PREPARED WITH DUE CARE AND DILIGENCE, PERFECTION IS NOT POSSIBLE. DESIGN AND CONSTRUCTION ARE COMPLEX - EVERY POSSIBLE CONDITION OR CONTINGENCY CANNOT BE ANTICIPATED OR FULLY INDICATED WITHIN THE DOCUMENTS.	GENERAL SCOPE OF WORK
CLG HT CLR CMPST	CEILING HEIGHT CLEAR COMPOSITE	GFRG GL GR	GLASS_FIBER REINFORCED GYPSUM GLASS or GLAZING GRADE	CAREFULLY STUDY AND COMPARE THE VARIOUS DRAWINGS (INCLUDING BUT NOT LIMITED TO	PERFORM ALL CONSTRUCTION WORK INDICATED OR OTHERWISE REQUIRED FOR COMPLETION ( PROJECT - EXCEPT AS NOTED OTHERWISE.
CMU CNTR CO	CONCRETE MASONRY UNIT COUNTER CASED OPENING	GWB GYP	GYPSUM WALLBOARD GYPSUM	ARCHITECTURAL, STRUCTURAL, MECHANICAL OR ELECTRICAL) AND OTHER CONTRACT DOCUMENTS WITH THE EXISTING CONDITIONS AT THE PROJECT-SITE BEFORE STARTING CONSTRUCTION. REPORT ERRORS,	SCHEDULE AND COORDINATE THE WORK OF THE COMPLETE PROJECT TO ASSURE AN EFFICIEN ORDERLY SEQUENCE OF INSTALLATION OF ALL ELEMENTS - WITH PROVISIONS FOR ACCOMMOD
COL CONC CONSTR CONT	COLUMN CONCRETE CONSTRUCTION CONTINUOUS	H/C HC HCWD HDWD	HANDICAPPED HOLLOW CORE HOLLOW CORE WOOD DOOR HARDWOOD	INCONSISTENCIES OR OMISSIONS DISCOVERED FOR CLARIFICATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR OR CORRECTION COSTS IF WORK IS EXECUTED WITH KNOWLEDGE THAT IT	ITEMS TO BE INSTALLED LATER.
CONT CPT CSK CT	CARPET COUNTERSUNK CERAMIC TILE	HDWR HM HMF	HARDWARE HOLLOW METAL HOLLOW METAL FRAME	INVOLVES AN ERROR, INCONSISTENCY OR OMISSION - WITHOUT THE ABOVE NOTICE.  IN THE EVENT OF CONFLICT OR AMBIGUITY WITHIN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR	THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQU SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.
CTR DEG	CENTER DEGREES	HORIZ HP HT	HORIZONTAL HIGH POINT OF ROOF/SLOPE HEIGHT	WILL BE DEEMED TO HAVE AGREED TO PROVIDE THE GREATER QUANTITY AND / OR BETTER QUALITY OF MATERIALS AND / OR WORK. OMISSIONS IN THE DESCRIPTION OF THE WORK DO NOT RELIEVE THE	PROVIDE ALL REQUIRED NOTICES FOR INSPECTIONS AND APPROVALS OF THE WORK BY THE AL HAVING JURISDICTION (AHJ). THE MOST RESTRICTIVE CODE REQUIREMENTS AS INTERPRETED E
DET DIA DIM	DETAIL DIAMETER DIMENSION DISPERSION	HVAC HW	HEATING, VENTILATION & COOLING HOT WATER	CONTRACTOR FROM PROVIDING A COMPLETE PROJECT.	OFFICIALS WILL APPLY.
DISP DR DR OPNG DWG	DISPENSER DOOR DOOR OPENING DRAWING	IBGC ID IN INCL	INSTALLED BY GENERAL CONTRACTOR INSIDE DIAMETER INCH INCLUDED	THE CONTRACTOR SHALL FULLY ACQUAINT HIM/HERSELF WITH THE CONDITIONS AND REQUIREMENTS OF THE DRAWINGS AND ACCOMPANYING SPECIFICATIONS, INCLUDING OTHER PARTS OF THE PROPOSED	VERIFY LOCATIONS OF EXISTING UTILITY SERVICE CONNECTIONS SERVING THE PROJECT BEFORE STARTING CONSTRUCTION. LOCATIONS OF EXISTING UTILITIES NOTED ARE APPROXIMATE, AND
EA EIFS	EACH EXTERIOR INSULATION & FINISH SYSTEM	INCL INSUL INT	INSULATION INTERIOR	CONTRACT DOCUMENTS, AND FULLY UNDERSTAND THE CONDITIONS, DIFFICULTIES AND RESTRICTIONS COMPLETELY, BEFORE EXECUTING THE WORK. IT IS UNDERSTOOD THAT OMISSIONS FROM THE BID, DUE	BASED ON UN-VERIFIED INFORMATION. PROVIDE ALL CONNECTIONS REQUIRED AT UTILITY CONI POINTS AT NO ADDITIONAL COST TO THE OWNER.
EJ ELEC EL	EXPANSION JOINT ELECTRICAL ELEVATION	JAN KPL	JANITOR KICK PLATE	TO FAILURE OF THE CONTRACTOR TO FULLY ACQUAINT HIMSELF WITH THE CONSTRUCTION DOCUMENTS, WILL NOT ENTITLE HIM TO ADDITIONAL CONSIDERATION AND/OR COMPENSATION. G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE PRIOR TO COMMENCING THE WORK.	PROVIDE SUBCONTRACTORS WITH A FULL-SET OF THE CONSTRUCTION DOCUMENTS TO ENSUF
ELEV EMER EQ	ELEVATOR EMERGENCY EQUAL	L L/T	LONG (LENGTH) LIGHT TRACK LAM LAMINATE	SHOULD THE CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM THE CONSTRUCTION	COORDINATION BETWEEN ALL TRADES AND EACH SUBCONTRACTOR.  ALL CONSTRUCTION WORK MUST BE OF GOOD QUALITY - FREE FROM DEFECTS AND IN ACCORD
EQUIP ETR EWC EXIST	EQUIPMENT EXISTING TO REMAIN ELECTRIC WATER COOLER EXISTING	LAV LBS LF	LAVATORY POUNDS LINEAR FOOT LETT-HANDED	DOCUMENTS, OR BE IN DOUBT AS TO THE MEANING AND INTENTION OF ANY ITEMS OR REQUIREMENTS, THEY SHALL NOTIFY THE ARCHITECT IMMEDIATELY.	WITH REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS - OR THE WORK MAY BE CONSIDER DEFECTIVE - AND SUBJECT TO CORRECTION OR REPLACEMENT BY THE CONTRACTOR WITHIN A
EXIST EXH EXP EXT	EXISTING EXHAUST EXPOSED EXTERIOR	LH LCC LL LP	LEFT-HANDED LEAD COATED COPPER LANDLORD LOW POINT OF ROOF/SLOPE	THE ORGANIZATION OF THE SPECIFICATIONS INTO DIVISIONS, SECTIONS AND PARAGRAPHS AND THE	OF ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION.
FA FBO	FIRE ALARM FURNISHED BY OTHERS	MAT MAX	MATERIAL MAXIMUM	ARRANGEMENT OF THE DRAWINGS ARE NOT INTENDED TO CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR TO ESTABLISH THE LIMITS AND EXTENT OF WORK TO BE PERFORMED BY A PARTICULAR TRADE. THE G.C. ALONE IS RESPONSIBLE FOR THE COMPLETION OF THE	COORDINATION WITH SEPARATE CONTRACTORS  COORDINATE WITH THE OWNER'S SEPARATE CONTRACTORS OR SUPPLIERS FOR WORK INDICA  REING OWNER-FURNISHED & CONTRACTOR INSTALLED (OFCI), OR NOT INCONTRACT (NIC.), PRO
FC FD FE	FIXTURE CONTRACTOR FLOOR DRAIN FIRE EXTINGUISHER	MAHOG MDO MECH	MAHOGANY MEDIUM DENSITY OVERLAY MECHANICAL	ENTIRE WORK AS DRAWN AND SPECIFIED, COMPLETE IN PLACE AND IN FUNCTIONAL OR OPERATING CONDITION. THE DIVISION OF THE SPECIFICATIONS INTO SECTIONS AND PARAGRAPHS AND ORGANIZATION	BEING OWNER-FURNISHED & CONTRACTOR INSTALLED (OFCI), OR NOT-IN-CONTRACT (NIC). PRO SCHEDULED DATES WHEN THE PROJECT WILL BE READY FOR DELIVERY OR INSTALLATION OF C FURNISHED PRODUCTS, AS APPLICABLE.
FEC FF FF EL FIN	FIRE EXTINGUISHER CABINET FINISH FACE FINISH FLOOR ELEVATION FINISH	MEZZ MFR MIN MISC	MEZZANINE MANUFACTURER MINIMUM MISCELL ANFOLIS	OF THE DRAWINGS IS FOR CONVENIENCE ONLY AND NOT FOR THE PURPOSE OF LIMITING OR RESTRAINING PERFORMANCE OF ANY PORTION OF THE WORK TO ANY PARTICULAR TRADE.	COORDINATE THE WORK OF THIS PROJECT WITH OTHER CONTRACTORS AT SEPARATE CONSTR
FIN FIXT FLR FLUOR	FINISH FIXTURE FLOOR FLUORESCENT LIGHTING	MISC MO MSB MTD	MISCELLANEOUS MASONRY OPENING MOP SERVICE BASIN MOUNTED	ALL WORK PERFORMED SHALL COMPLY WITH THE CONTRACT DOCUMENTS, DRAWINGS AND	PROJECTS WITHIN THE SAME DEVELOPMENT, SO THAT THIS WORK WILL NOT INTERFERE WITH ( THEIR OPERATIONS.
FDTN FOC FOF	FOUNDATION FACE OF CONCRETE FACE OF FINISH	MTL MW	METAL MILLWORK	SPECIFICATIONS, INCLUDING THESE GENERAL NOTES. THE G.C. SHALL COORDINATE THE INTENT OF THE GENERAL NOTES WITH ALL THE TRADES.	COORDINATE, RECEIVE AT SITE, VERIFY RECEIPT, HANDLE, STORE ON-SITE (IF REQUIRED), PRO
FOM FOS FRT	FACE OF MASONRY FACE OF STUD FIRE RETARDANT TREATED	N NAT NIC	NORTH NATURAL NOT IN CONTRACT	NO DEVIATION FROM CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.	INSTALL OWNER-FURNISHED PRODUCTS, AND PROVIDE SERVICE CONNECTIONS AS APPLICABLE NOTIFY THE OWNER WITHIN FIVE (5) DAYS OF RECEIPT OF ANY ITEMS THAT ARE MISSING, DAMA
FT FTG FURG	FOOT (FEET) FOOTING FURRING	NL NOM NTS	NIGHT LIGHT NOMINAL NOT TO SCALE	ANY STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS (IF REQUIRED) ARE SUPPLEMENTARY TO	OTHERWISE DEFECTIVE. LACK OF NOTIFICATION WILL BE CONSIDERED PRESUMPTIVE PROOF T ITEMS DID ARRIVE UNDAMAGED AND IN PROPER QUANTITIES, AND ANY REPLACEMENT OR REPLACEMENT.
GA GALV GC	GAGE GALVANIZED GENERAL CONTRACTOR	OA OC OD	OVERALL ON CENTER OUTSIDE DIAMETER	THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, PLUMBING	NECESSARY WILL THEN BE THE RESPONSIBILITY OF THE CONTRACTOR.
GFRC GFRG GL	GLASS-FIBER REINFORCED CONCRETE GLASS_FIBER REINFORCED GYPSUM GLASS or GLAZING	OF/CI OF/OI OFI	OWNER FURNISHED/CONTRACTOR INSTALL OWNER FURNISHED/OWNER INSTALL OWNER FURNISHED & INSTALL	AND ELECTRICAL WORK. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEERS' DRAWINGS THAT WOULD CAUSE AN IMPROPER INSTALLATION, IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF	REPAIR DAMAGE TO OWNER-FURNISHED PRODUCTS CAUSED BY CONSTRUCTION OPERATIONS OWNER'S SATISFACTION.
GR GWB GYP	GRADE GYPSUM WALLBOARD GYPSUM	OPP PLAM	OPPOSITE PLASTIC LAMINATE	SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER OR	COORDINATION WITH LANDLORD  OBTAIN AND COMPLY WITH THE LANDLORD'S CONSTRUCTION RULES & REGULATIONS WHICH A
H/C HC HCWD	HANDICAPPED HOLLOW CORE	PLMB PLT PLYWD	PLUMBING PLATE PLYWOOD PAIR	ARCHITECT.	CONSIDERED PART OF THE CONSTRUCTION DOCUMENTS BY REFERENCE. COMPLY WITH LANDI APPROVED DRAWINGS OF THIS PROJECT, IF APPLICABLE. MAINTAIN PRINTED COPIES AT THE SI
HCWD HDWD HDWR HM	HOLLOW CORE WOOD DOOR HARDWOOD HARDWARE HOLLOW METAL	PR PT PT PT	PAIR PAINT POINT PRESSURE TREATED	ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SAME, OR THEIR EXACT MEANING, THE	ACKNOWLEDGE RECEIPT TO THE OWNER.
HMF HORIZ HP	HOLLOW METAL FRAME HORIZONTAL HIGH POINT OF ROOF/SLOPE	PTN QT	PARTITION  QUARRY TILE	ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.	PARTICIPATE IN A PRE-CONSTRUCTION MEETING WITH THE LANDLORD'S REPRESENTATIVE AND THEM SUFFICIENT NOTICE BEFORE STARTING WORK.
HT HVAC HW	HEIGHT HEATING, VENTILATION & COOLING HOT WATER	R RAD	RISER RADIUS	WHERE A TYPICAL CONDITION IS DETAILED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS ARE THE SAME UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.	TEMPORARY FACILITIES, UTILITIES & CONTROLS
IBGC ID	INSTALLED BY GENERAL CONTRACTOR INSIDE DIAMETER	REC REQD REF	RECESSED REQUIRED REFERENCE	THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTHS OF ALL UTILITIES AT THE SITE. PROTECT THEM FROM DAMAGE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT OF RECORD FOR	PROVIDE BARRIERS, FENCES AND OTHER CONTROLS TO PREVENT PUBLIC ENTRY TO CONSTRUATE AREAS, AND TO PROTECT CONSTRUCTION WORKERS AND THE PUBLIC FROM HAZARDS OF CONSTRUCTION.
IN INCL INSUL INT	INCH INCLUDED INSULATION INTERIOR	RESIL REV RH RM	RESILIENT REVISION RIGHT HAND ROOM	RESOLUTION PRIOR TO THE COMMENCEMENT OF WORK.	PROVIDE PROTECTION OF CONSTRUCTION MATERIALS FROM LOSS, DAMAGE, FIRE OR THEFT, A
JAN	JANITOR	RM RO RWD RWL	ROUM ROUGH OPENING REDWOOD RAIN WATER LEADER	THE CONTRACTOR IS TO PROVIDE TEMPORARY FACILITIES AS REQUIRED BY APPLICABLE CODE, LOCAL AUTHORITIES OR JURISDICTIONAL ORDINANCE.	PROTECT EXISTING CONSTRUCTION FROM DAMAGE BY CONSTRUCTION OPERATIONS.
KPL L	KICK PLATE LONG (LENGTH)	SC SD	SOLID CORE SMOKE DETECTOR	PRIOR TO COMMENCING THE WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD, COMPARE THOSE MEASUREMENTS TO THE DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT OF RECORD. DRAWINGS SHALL NOT BE SCALED OFF FOR MEASUREMENT.	PROVIDE TEMPORARY FIRE-PREVENTION MEASURES AND PROCEDURES INCLUDING FIRE- EXTINGUISHERS PER AHJ REQUIREMENTS.
L/T LAV LBS	LIGHT TRACK LAM LAMINATE LAVATORY POUNDS	SECT SF SHT	SECTION SQUARE FOOT (FEET) SHEET	THE CONTRACTOR SHALL PROVIDE ALL SHORING, BARRICADING AND BRACING NECESSARY TO ENSURE	PROVIDE DUMPSTERS AND COLLECT WASTE DAILY. DISPOSE OF MATERIAL IN A LAWFUL MANNE DUMPSTER IN LOCATION APPROVED BY OWNER OR LANDLORD. AS APPLICABLE.
LF LH LCC	LINEAR FOOT LEFT-HANDED LEAD COATED COPPER LANDLORD	SIM SIPS SND INS SPEC	SIMILAR STRUCTURAL INSULATED PANEL SOUND INSULATION SPECISQUARE	THE STRUCTURAL STABILITY OF THE BUILDING AND THE HEALTH OF THE PUBLIC AND ALL WHO ENTER THE BUILDING DURING COMPLETION OF THE SCOPE OF WORK DEFINED BY THIS ARCHITECTURAL	GENERAL PRODUCT REQUIREMENTS
LP MAT	LOW POINT OF ROOF/SLOPE  MATERIAL	SSG SST STD	STEATEGIC SOURCING GROUP STAINLESS STEEL STANDARD	DOCUMENTATION SET.	STORE PRODUCTS PER MANUFACTURER'S INSTRUCTIONS, PROTECTED FROM DAMAGE OR ABL WITH VENTILATION TO AVOID CONDENSATION.
MAX MAHOG MDO	MAXIMUM MAHOGANY MEDIUM DENSITY OVERLAY	STL STN STO	STEEL STAIN STONE	ALL WORK SHALL COMPLY WITH LOCAL BUILDING AUTHORITIES, CODES, REGULATIONS,ORDINANCES AND STATUTES, STATE, FEDERAL CODE AND OTHER JURISDICTIONAL AUTHORITIES, AND LATEST REVISIONS THEREOF. MODIFICATIONS REQUIRED BY THE ABOVE AND AUTHORITY SHALL BE MADE WITHOUT	APPLICATION OF A MATERIAL OR EQUIPMENT ITEM TO WORK INSTALLED BY OTHERS CONSTITUTED TO A COMPANY OF THE PROPERTY OF THE PROPER
MECH MEZZ MFR MIN	MECHANICAL MEZZANINE MANUFACTURER MINIMUM	SYS T TBD	SYSTEM  TREAD TO BE DETERMINED	ADDITIONAL CHARGE TO THE OWNER.	ACCEPTANCE OF THAT WORK AND ASSUMPTION OF RESPONSIBILITY FOR SATISFACTORY INSTA AND PERFORMANCE.
MISC MO MSB	MINIMOM MISCELLANEOUS MASONRY OPENING MOP SERVICE BASIN	T&G THK THR	TO BE DETERMINED TONGUE & GROOVE THICKNESS THRESHOLD	ALL EMERGENCY BUILDING EXITS REQUIRED BY CODE, SHALL BE OPERABLE AND UNOBSTRUCTED DURING CONSTRUCTION PERIOD.	INSPECT EACH ITEM OF MATERIAL OR EQUIPMENT IMMEDIATELY PRIOR TO INSTALLATION. REJECTIVE ITEMS.
MTD MTL MW	MOUNTED METAL MILLWORK	TOB TOC TOJ	TOP OF BEAM TOP OF CONCRETE TOP OF JOIST	FIRE EXTINGUISHER CABINETS TO BE FURNISHED AND INSTALLED BY THE G.C. ARE TO BE IN COMPLIANCE	COORDINATION WITH FIXTURES, FURNISHINGS & EQUIPMENT (FF&E)
N NAT	NORTH NATURAL	TOM TOS TOS	TOP OF MASONRY TOP OF SLAB TOP OF STEEL	WITH CITY AND APPLICABLE FIRE CODES.  BOTH PLACEMENT AND QUANTITY OF FIRE EXTINGUISHERS TO BE DETERMINED BY THE FIRE MARSHALL	REVIEW THE OWNER'S SEPARATE CASEWORK/FIXTURES, FURNISHINGS, EQUIPMENT, & SIGNAG DRAWINGS FOR UNIT SIZES, WEIGHTS, SERVICE-CONNECTIONS AND CLEARANCES REQUIRED -
NIC NL NOM	NOT IN CONTRACT NIGHT LIGHT NOMINAL NOT TO SCALE	TOW TPD TPO	TOP OF WALL TOILET PAPER DISPENSER THERMOPLASTIC POLYOLEFIN	AND COMPLY WITH ALL N.F.P.A. REQUIREMENTS. G.C. TO COORDINATE INSTALLATION.	FURNISHED OR INSTALLED BY THE CONTRACTOR OR OTHERS. VERIFY THAT REQUIRED ROUGH CONNECTIONS AND CLEARANCES WILL BE PROVIDED. PROVIDE OPENINGS AND DELIVERY ACCEFF&E ITEMS, AND PROVIDE STAGING SPACE FOR THEIR INSTALLATION. REPORT DISCREPANCIES
NTS @ A/C ABV	NOT TO SCALE AT AIR CONDITIONING ABOVE	TYP UC UNO	TYPICAL  UNDERCUT  UNLESS NOTED OTHERWISE	THE CONTRACTOR SHALL REVIEW THE LOCATIONS OF ALL FIRE LIFE SAFETY DEVICES WITH THE FIRE INSPECTOR AND THE OWNER REPRESENTATIVE FOR ON-SITE APPROVAL PRIOR TO INSTALLATION.	OMISSIONS OF EQUIPMENT REQUIREMENTS PRIOR TO INSTALLATION.  PROVIDE ALL HVAC, PLUMBING, GAS OR ELECTRIC SERVICE CONNECTIONS TO CASEWORK / FIX
ABV ACT ADA AFF	ACOUSTICAL CEILING TILE AMERICAN'S W/ DISABILITIES ACT ABOVE FINISH FLOOR	VCT VERT	VINYL COMPOSITION TILE VERTICAL	INTERIOR FINISHES SHALL COMPLY WITH LOCAL CODES.	SIGNAGE, OR EQUIPMENT INDICATED (WHETHER UNITS ARE INSTALLED BY CONTRACTOR OR BY
ADJ AHU ALUM	ADJUSTABLE AIR HANDLING UNIT ALUMINUM	VIF VP	VERIFY IN FIELD VENEER PLASTER	THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACKING, HANGERS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL	GENERAL EXECUTION OF THE WORK ESTABLISH AND MAINTAIN DURABLE MARKERS TO LOCATE ALL ELEMENTS OF THE WORK, INCLUDED THE WORK, INCLUDED TO PARTITIONS OF THE WORK OF
APPROX ARCH AWT	APPROXIMATE ARCHITECTURAL ACOUSTICAL WALL TREATMENT	W/ W/O WA WC	WITH WITHOUT WALL ANCHOR WATER CLOSET	CASEWORK, FIXTURES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED PLUMBING, MECHANICAL, ELECTRICAL, OR MISCELLANEOUS EQUIPMENT AND FURNISHINGS.	NOT LIMITED TO PARTITIONS, CASEWORK, FIXTURES, EQUIPMENT AND LIGHT-FIXTURES, AND TH RELATED MECHANICAL, ELECTRICAL AND PLUMBING CONNECTIONS.
BD BITUM BLDG	BOARD BITUMINOUS BUILDING	WD WF WFAB	WOOD WIDE FLANGE WALL FABRIC	FIRE-RESISTIVE WALLS AND PARTITIONS MAY HAVE OPENINGS FOR STEEL ELECTRICAL OUTLET BOXES	AT PROJECTIONS OF FINISHED SURFACES, INCLUDING PILASTERS OR THICKENED WALLS, RETU EXPOSED SURFACE FINISHES BACK TO THE PRIMARY SURFACE EVEN IF NOT SPECIFICALLY NOT
BLKG BM BR	BLOCKING BEAM BRICK	WH WP	WATER HEATER WORKING POINT	NOT EXCEEDING 16 SQUARE INCHES IN AREA, PROVIDED THE AGGREGATE AREA OF SUCH OPENINGS IS NOT MORE THAN 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL OR PARTITION AREA. "OUTLET BOXES" ON OPPOSITE SIDES OF WALLS AND PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL	PERFORM ALL CUTTING, PATCHING AND FITTING TO ACCOMMODATE CONSTRUCTION WORK AN
BRG CFLG CJ	BEARING  COUNTER FLASHING  CONTROL JOINT			DISTANCE OF AT LEAST 24 INCHES.	ACHIEVE THE INTENT OF THE CONSTRUCTION DOCUMENTS. CUT & PATCH PARTITIONS FOR INS' OF PLUMBING OR ELECTRICAL SERVICES AND FOR INSTALLATION OF WALL BLOCKING, IF NECES
CJ CL CLG CLG HT	CONTROL JOINT CENTER LINE CEILING CEILING HEIGHT			INTERIOR WALL AND CEILING FINISH FLAME-SPREAD RATING SHALL BE AS REQUIRED BY LOCAL CODES.	PROVIDE ESCUTCHEONS, GROMMETS AND SIMILAR SURFACE CLOSURE OR FINISHED TRIMS AT PENETRATIONS OF FINISHED SURFACES.
CLR CMPST CMU	CLEAR COMPOSITE CONCRETE MASONRY UNIT			PENETRATIONS IN WALLS, FLOORS OR ROOF REQUIRING PROTECTED OPENINGS SHALL BE FIRE-STOPPED IN ACCORDANCE WITH LOCAL CODES.	BRACE PARTITIONS, SUSPEND CEILINGS OR SOFFITS, AND BRACE PLATFORMS, SUSPENDED ITE SIMILAR CONSTRUCTION ONLY TO STRUCTURAL ELEMENTS ABOVE - EVEN IF NOT SPECIFICALLY
CNTR CO COL	COUNTER CASED OPENING COLUMN			ALL WIRING WITHIN CONCEALED SPACES SHALL COMPLY WITH LOCAL CODES.	DO NOT ANCHOR TO ROOF DECK, PLUMBING / SPRINKLER PIPES, DUCTWORK, ELECTRICAL CON SIMILAR ELEMENTS. ATTACHMENT AT TOP CHORD OF JOIST OR FLANGE OF BEAM ONLY.
CONC CONSTR CONT CPT	CONCRETE CONSTRUCTION CONTINUOUS CARPET			ALL DOOR SIZES SHOWN ARE OPENING SIZES. ALLOWANCE FOR THRESHOLDS (1/2" MIN),ETC. SHALL BE DEDUCTED. FRAMES SHALL BE REINFORCED WHERE REQUIRED FOR CLOSURES, STOPS AND HARDWARE.	COORDINATION WITH ADJACENT CONSTRUCTION LIMIT WORK TO OCCUR WITHIN THE PROJECT SITE, OR WITHIN OTHER AREAS DESIGNATED OR
CPT CSK CT CTR	CARPET COUNTERSUNK CERAMIC TILE CENTER			ALL DISCIPLINES REQUIRED TO PROVIDE SHOP DRAWINGS AND OR SAMPLES OF FINISHES, TO SUBMIT TO	LIMIT WORK TO OCCUR WITHIN THE PROJECT SITE, OR WITHIN OTHER AREAS DESIGNATED OR APPROVED FOR USE BY THE LANDLORD. CONNECT TO EXISTING UTILITY SERVICES BEYOND THE PROJECT-SITE IN THE MOST EXPEDITIOUS MANNER POSSIBLE WITH MINIMAL DISTURBANCE OF
DEG DET	DEGREES DETAIL			THE CONTRACTOR PRIOR TO START, WHO WILL FORWARD TO ARCHITECT AND OWNER FOR COMMENTS, FOR APPROVAL OR RE-SUBMITTAL.	ELEMENTS OR FINISHES.
DIA DIM DISP	DIAMETER DIMENSION DISPENSER			THE SECURITY SYSTEMS ARE TO BE PROVIDED AND INSTALLED BY OTHERS. G.C. SHALL BE RESPONSIBLE FOR COORDINATION WITH OWNER'S SECURITY SYSTEMS CONTRACTOR.	RESTORE ALL AREAS OF EXISTING LANDSCAPING (INCLUDING SPRINKLER SYSTEMS) DISTURBED CONSTRUCTION TO ITS ORIGINAL CONDITION.
DR DR OPNG DWG	DOOR DOOR OPENING DRAWING			GC TO REPLACE WORK OR PORTIONS OF THE WORK, NOT CONFORMING TO SPECIFIED REQUIREMENTS IN	FINAL CLEANING  JUST BEFORE OWNER OCCUPANCY, CLEAN ALL SURFACES INCLUDING FIXTURES AND EQUIPME
EA EIFS EJ	EACH EXTERIOR INSULATION & FINISH SYSTEM EXPANSION JOINT			THE OPINION OF OWNER AND OR ARCHITECT.	THE OWNER'S USE AND OPERATION. POLISH GLASS AND PLUMBING FIXTURES TO BE WITHOUT NOTICEABLE STREAKS. VACUUM CLEAN FLOORS AND DAMP WIPE WALLS, FIXTURES AND EQUIP
ELEC EL ELEV	ELECTRICAL ELEVATION ELEVATOR			ALL ITEMS TO BE SUPPLIED AND INSTALLED (TO A FULLY FINISHED LEVEL) BY G.C G.C. TO PROVIDE POWER AS REQUIRED.	BE DUST-FREE WITHOUT STAINS, FILMS AND OTHER DISTRACTING SUBSTANCES.
EMER EQ EQUIP ETR	EMERGENCY EQUAL EQUIPMENT EXISTING TO REMAIN			DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE DAILY CLEANUP OF THE JOBSITE AND IT'S SURROUNDING AREA AND REMOVE ALL CONSTRUCTION DEBRIS FOR DISPOSAL.	CLEAN THE PROJECT SITE OF RUBBISH, LITTER AND OTHER FOREIGN SUBSTANCES. BROOM CLI PAVED AREAS AND REMOVE STAINS, SPILLS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS T
EXIST EXH EXP	EXISTING EXHAUST EXPOSED			SELECTION DEDICTION DEDICTION DISTRIBUTION DI DISTRIBUTION DISTRIBUTION DISTRIBUTION DISTRIBUTION DISTRIBUTIO	NEITHER PAVED NOR PLANTED, TO A SMOOTH EVEN-TEXTURED SURFACE.
EXT	EXTERIOR				

<u> URN-OVER / CLOSE-OUT REQUIREMENTS</u> SET ALL TIME CLOCKS, THERMOSTATS AND SIMILAR DEVICES TO THE CURRENT LOCAL TIME. PROVIDE A PRINTED LIST OF NAMES, ADDRESSES AND PHONE NUMBERS OF ALL SUB-CONTRACTORS AND MATERIAL SUPPLIERS USED. ARRANGE FOR ALL INSPECTIONS

INSTRUCT OWNER'S PERSONNEL IN PROPER OPERATION AND MAINTENANCE OF OPERATIONAL SYSTEMS, INCLUDING HVAC SYSTEMS AND ELECTRICAL SYSTEMS AS

AND FURNISH OWNER WITH CERTIFICATE OF OCCUPANCY.

SUBMIT OPERATION AND MAINTENANCE DATA TO INCLUDE EMERGENCY INSTRUCTIONS, SPARE PARTS LISTS, PRODUCT WARRANTIES, WIRING DIAGRAMS, INSPECTION PROCEDURES, AND APPLICABLE SHOP DRAWINGS AND PRODUCT DATA.

SUBMIT AS-BUILT MARKED-UP DRAWINGS INDICATING ANY CHANGES MADE AND WITH DIMENSIONED LOCATIONS OF CONCEALED WORK AND LEAVE A COPY AT THE PROJECT

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

PROVIDE MASONRY CONTROL-JOINTS AT 24 FT SPACING MAXIMUM (EVEN IF NOT

NOTED), AND WHERE NOTED ON THE DRAWINGS.

DIVISION 5 - METAL: PROVIDE .042 INCH (18 GA) COLD-FORMED METAL FRAMING AT 16 INCH OC AT

DIVISION 6 - WOOD: PROVIDE PRESERVATIVE-TREATED WOOD WHEN WOOD IS IN DIRECT CONTACT

EXTERIOR FRAMED WALLS MINIMUM, OR GREATER AS NOTED ON STRUCTURAL DRAWINGS.

WITH CONCRETE OR MASONRY PROVIDE FIRE-RETARDANT TREATED PLYWOOD BACKING AT ALL ELECTRICAL,

PHONE AND SECURITY SYSTEM PANELS. 3.3. PROVIDE CONCEALED WOOD BLOCKING, BRACING OR NAILERS FOR SECURE ANCHORAGE OF ALL SHELVES, RUNNING TRIM, RAILINGS, SUSPENDED ITEMS, DOOR-STOPS, GRAB-BARS, AND OTHER SIMILAR WOODWORK, HARDWARE, SPECIALTIES,

ACCESSORIES, FIXTURES OR EQUIPMENT. 3.4. CUT TO FIT ALL WOOD TRIM OR OTHER PREFINISHED TRIM UNITS AND FINISH ALL EXPOSED SURFACES TO MATCH ADJACENT FINISHED MATERIALS. INSTALL WOODWORK WITH A MINIMUM NUMBER OF JOINTS. COPE ALL RETURNS, MITER ALL CORNERS AND USE SCARF-JOINTS AT END-TO-END CONNECTIONS (BUTT JOINTS ARE NOT ACCEPTABLE). REFINISH ALL EXPOSED CUTS AND DAMAGED WOODWORK.

3.5. ANCHOR WOOD BLOCKING TO METAL STUD FRAMING W/#12 TEK SCREWS @ 16" OC MAX - ANCHOR BLOCKING TO CMU'S OR CONCRETE WITH 1/4" TAPCONS AT MAXIMUM 16" OC. STAGGER FASTENERS WHEN BLOCKING IS WIDER THAN 6" NOMINAL.

DIVISION 7 - THERMAL MOISTURE:

4.1. VERIFY THAT ALL EXTERIOR FINISHED GRADES ADJACENT TO EXTERIOR WALL ARE BELOW THE FINISHED FLOOR ELEVATION. IF NOT, PROVIDE WATERPROOF MEMBRANE WITH PROTECTION COURSE OVER EITHER SMOOTH-SURFACED MASONRY OR CAST-IN-PLACE CONCRETE TURNED-UP FROM THE FLOOR SLAB.

4.2. PROVIDE MIN 3-1/2" BATT INSULATION ON CEILINGS ABOVE AND WITHIN PARTITIONS AROUND AND BETWEEN ALL TOILET ROOMS TYPICALLY.

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

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

DIVISION 8 - OPENINGS:

LOCATIONS.

5.1. DOOR AND WINDOW DIMENSIONS NOTED ARE NOMINAL - COORDINATE WITH FIELD-CONDITIONS AND VERIFY WITH MANUFACTURERS BEFORE FABRICATION. 5.2. HARDWARE MATERIALS: PROVIDE NON-FERROUS MATERIALS AT EXTERIOR

DIVISION 9 FINISHES:

DRYWALL CONTROL JOINTS: LOCATE ABOVE ONE SIDES OF ALL DOOR FRAMES (MIN), AND AT 30 FT MAX UNINTERRUPTED SURFACE SPACING AND AS NOTED.

6.1. PROVIDE 5/8" THICK GLASS-MAT GYPSUM BACKER-BOARD AT ALL PARTITIONS W/

PROVIDE BACK-TO-BACK DOUBLED .0312" (20 GA) METAL STUDS WHERE WALL-

BLOCKING IS PROVIDED FOR SUPPORT OF GRAB-BARS OR SHELVING. 6.3. DRYWALL HEADERS: PROVIDE FRAMING @ 16" OC SUSPENDED FROM STRUCTURE ABV W/ 1 LAYER 5/8" GYP BD ON EXPOSED SIDE(S) AND BOTTOM SURFACE.

6.4. PAINT OR STAIN FINISH ALL EXPOSED SURFACES OF CONSTRUCTION UNLESS NOTED OTHERWISE OR IF SURFACE IS PRE-FINISHED. PROVIDE PAINT FINISH MIN AT ALL SURFACES NOT OTHERWISE INDICATED TO RECEIVE OTHER FINISH. FINISH EXPOSED EDGES OR SURFACES OF CUT WOOD OR PREFINISHED TRIM TO MATCH ADJACENT SURFACES.

DIVISION 10 - SPECIALTIES:

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

ACCESSIBLE DOOR SIGN W/ RAISED LETTERS, PICTORIAL-SYMBOL & BRAILLE PLATE READING "MEN", "WOMEN", "RESTROOM" OR AS APPROPRIATE TO USE/TITLE OF ROOM -MOUNT 9" FROM STRIKE EDGE OF DOOR & 60 INCHES AFF TO SIGN CENTERLINES.

7.3. TOWEL-DISPENSER AND WASTE RECEPTACLE AT EACH LAVATORY OR HAND SINK PROVIDE WALL BLOCKING IF NECESSARY FOR SECURE ATTACHMENT. DIVISION 11 - EQUIPMENT:

PROVIDE WATER-SERVICE SHUTOFF-VALVE W/ BACK-FLOW PREVENTER (DOWNSTREAM OF VALVE) AT EA HOT- OR COLD-WATER CONNECTION TO EQUIPMENT (EXCEPT AT SINKS).

8.2. PROVIDE SHUTOFF VALVES (STOPS), SUPPLIES AND TRAPS AT ALL LAVS OR SINKS DIVISION 21 - FIRE SUPPRESSION SYSTEM NOTES:

SUBMIT SPRINKLER-SYSTEM DESIGN DRAWINGS TO AHJ AND LANDLORD (WHEN APPLICABLE) AND OBTAIN THEIR APPROVAL BEFORE STARTING WORK.

9.2. PROVIDE SEMI-CONCEALED TYPE SPRINKLER HEADS IN PUBLIC VIEW AREAS. PROVIDE STANDARD SURFACE-MTD SPRINKLER HEADS IN BACK AREAS NOT IN PUBLIC VIEW, UNLESS OTHERWISE NOTED.

10. DIVISION 32 - SITE IMPROVEMENTS:

10.1. MAXIMUM ALLOWABLE SLOPE OF NEW PAVEMENT: 4.9% (1:21).

10.2. MAXIMUM ALLOWABLE CROSS-SLOPE OF NEW PAVEMENT: 2% (1:48).

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

WHETHER SPECIFICALLY IDENTIFIED OR NOT THE FOLLOWING NOTES SHALL APPLY TO ALL RELEVANT DETAILS, CONDITIONS AND LOCATIONS FOR THE PROJECT IDENTIFIED HEREIN.

THE GENERAL CONTRACTOR MUST ENGAGE A SEPARATE REGISTERED WATERPROOFING CONSULTANT AS A PART OF THE CONSTRUCTION TEAM TO EITHER INSTALL, DIRECT OR INSPECT ALL WATERPROOFING ASPECTS OF THE BUILDING PRIOR TO COVER-UP. THE WATERPROOFING CONSULTANT SHALL TEST, INSPECT AND VISUALLY DOCUMENT ALL UNIQUE DETAILS. GC TO IMPLEMENT CONSULTANTS RECOMMENDATIONS

12. THE BASE BID SHALL INCLUDE ALL NECESSARY AND REQUIRED FLASHING, COUNTER-FLASHING, WEATHERPROOFING, SEALANT, CAULKING, ETC., WHETHER SHOWN, DETAILED, NOTED OR NOT. THE INTEND OF THESE WEATHERPROOFING NOTES IS TO ENSURE THAT THE GENERAL CONTRACTOR IS AWARE OF THE NECESSITY OF PROVIDING FULL WEATHERPROOFING OVER THE ENTIRE EXTERIOR OF THE BUILDING, BEHIND ALL EXTERIOR FINISHES AND BETWEEN ALL DISSIMILAR MATERIALS PER THE INTENT OF THE FOLLOWING NOTES AND DETAILS. INDUSTRY STANDARD DETAILS SHALL BE FOLLOWED IF IN DOUBT AT ALL LOCATIONS. NOTE THAT NO CHANGE ORDER SHALL BE CONSIDERED FOR PROVIDING ADDITIONAL FLASHING, COUNTER-FLASHING, WEATHERPROOFING, SEALANT, CAULKING, ETC.

13. MATERIAL TRANSITIONS:

13.1. ALL EXTERIOR JOINTS BETWEEN DISSIMILAR MATERIALS SHALL RECEIVE SEALANT; JOINTS EXCEEDING 1/2" IN DEPTH SHALL RECEIVE BACKER ROD AND SEALANT.

13.2. PROVIDE A CONTINUOUS SEALED WEATHER BARRIER OVER ALL EXTERIOR SHEATHING OR BACKER BOARD. WEATHER BARRIER SHALL BE EITHER LIQUID APPLIED OR SHEETING TYPE - REFER TO DRAWINGS, NOTES AND SPECIFICATIONS.

13.3. LIQUID APPLIED WEATHER BARRIER (LAWB) - ALL JOINTS TO FLASHING MATERIALS, SHEATHING JOINTS AND SUBSTITUTE JOINTS ARE TO BE TAPED AND REINFORCED WITH DETAIL MESH, FILLER, AND RECEIVE ANOTHER COAT OF LAWB PER PRODUCT RECOMMENDATIONS.

13.4. FLASHING INSTALLED OVER LAWB ARE TO BE COUNTER FLASHED AND MESH TAPED & RECOATED WITH LAWB PER MANUFACTURES RECOMMENDATIONS.

14. EXTERIOR WAINSCOTING:

AND SHEATHING. THE TOP OF METAL FLASHING SHALL BE COUNTER FLASHED. 14.2. CASING BEADS, SCREEDS, OR BASE METAL TRIMS MUST PROVIDE WEEPING ACTION. FINISH SHOULD BE HELD OFF OF FINISHED GRADE MIN. 1/2".

14.1. PROVIDE GALVANIZED METAL FLASHING SET IN CONTINUOUS BED OF SEALANT OVER FWBM

14.3. JOINT BETWEEN MASONRY MATERIALS & SIDEWALKS TO BE 1/2" AND FILLED WITH GROUT AND PROVIDE 2" WIDE WEEPS TO ALLOW MOISTURE TO MIGRATE OUT OF SYSTEM.

15. PREPARE WINDOW / DOOR ROUGH OPENING PREPARATION:

15.1. PREPARE ROUGH OPENINGS REINFORCING AND WRAPPING INSIDE CORNERS WITH EXTERIOR WEATHER BARRIER.

15.2. DOUBLE WRAP SILL AND RETURN UP JAMB 4".

15.3. SEAL ALL SILL JAMB AND HEAD CORNERS.

16.1. PROVIDE SILL PAN FLASHING WITH END DAMS AT ALL SILL OPENINGS. SET SILL PAN FLASHING

IN CONTINUOUS BED OF NON-SILICONE SEALANT.

17.1. COUNTER FLASH OVER END DAM JOINT AT JAMB/SILL CONNECTION TO DIRECT WATER TO

17.2. PROVIDE CONTINUOUS BACKER ROD AND SEALANT AT ALL VERTICAL JOINTS BETWEEN WINDOW/DOOR FRAME AND EXTERIOR FINISH.

18. HEAD CONDITION:

COLLAR MANUFACTURER'S SPECIFICATIONS.

18.1. PROVIDE GALVANIZED METAL FLASHING EXTENDING OVER WINDOW/DOOR FRAME. PROVIDE BACKER ROD AND SEALANT BETWEEN FLASHING AND WINDOW FRAME.

19. PARAPET CAP FLASHING 19.1. WRAP TERMINATION (TOP, FRONT AND BACKSIDES) OF PARAPET WALL WITH FLEXIBLE RUBBERIZED SELF-ADHESIVE, SELF-SEALING, WATER BARRIER MEMBRANE (FWBM). APPLY FWBM

OVER SHEATHING, CONTINUOUSLY OVER SUBSTRATE TO BACK OF PARAPET WALL SHEATHING. LAP

FWBM OVER VERTICAL WEATHER BARRIER TO ENSURE PROPER FLASHING.

20.1. ALL ROOF PENETRATIONS SHALL BE SEALED PER ROOF MANUFACTURE'S AND FLASHING

OBTAIN COPY OF "LIGHTING DESIGN PACKAGE" (BY OTHERS) FROM OWNER & ARCHITECT FOR BIDDING & CONSTRUCTION. REFER TO THIS PACKAGE FOR LIGHT FIXTURE LOCATIONS, CUT SHEETS, & SPECIFICATIONS. NOTIFY ARCHITECT IF THERE ARE ANY DISCREPANCIES BETWEEN "LIGHTING DESIGN PACKAGE" & THIS SET OF DRAWINGS.

ALL DIMENSIONS ARE TO EXTERIOR FACE, SUBSTRATE OR MASONRY, UNLESS NOTES OTHERWISE.

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

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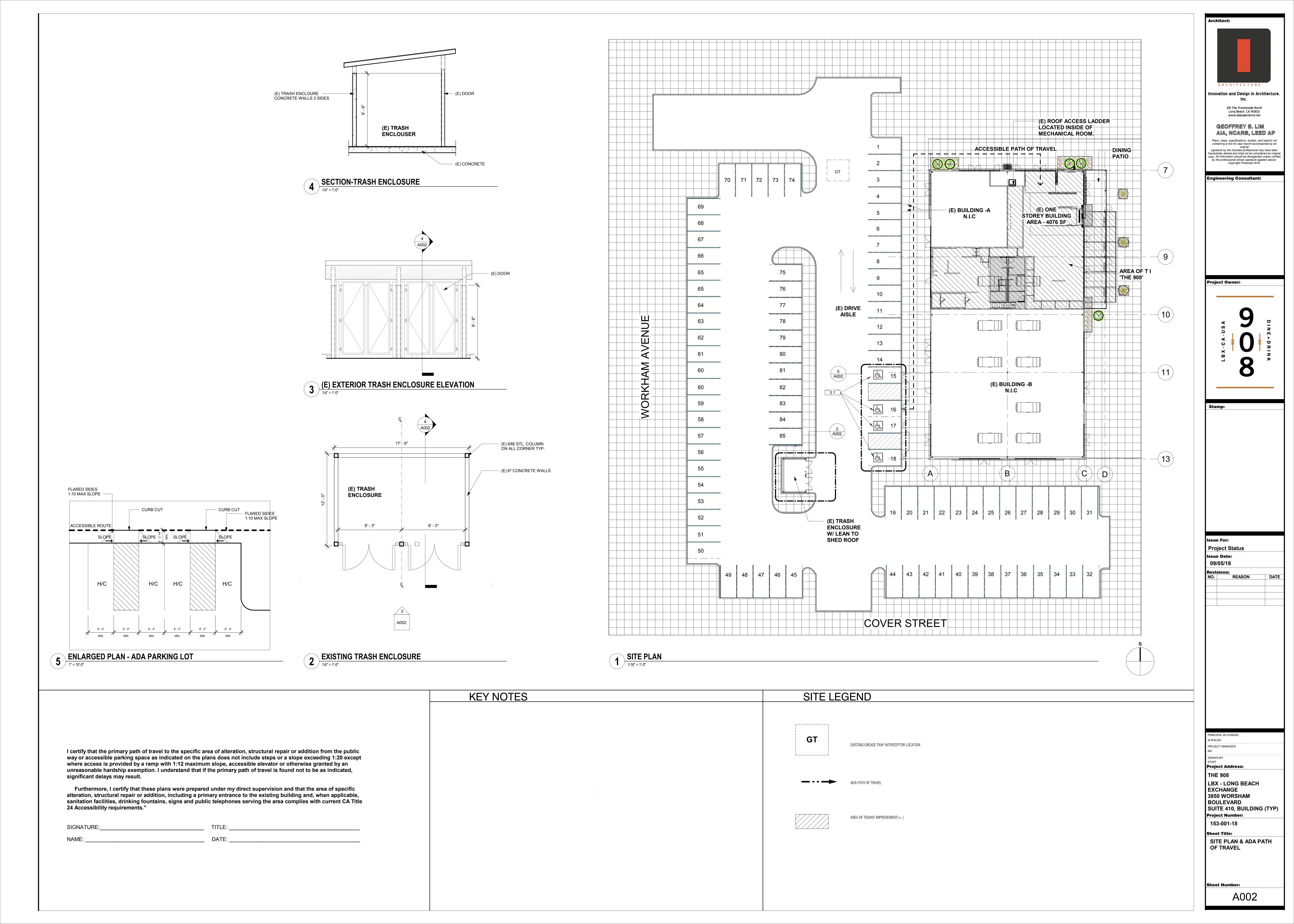
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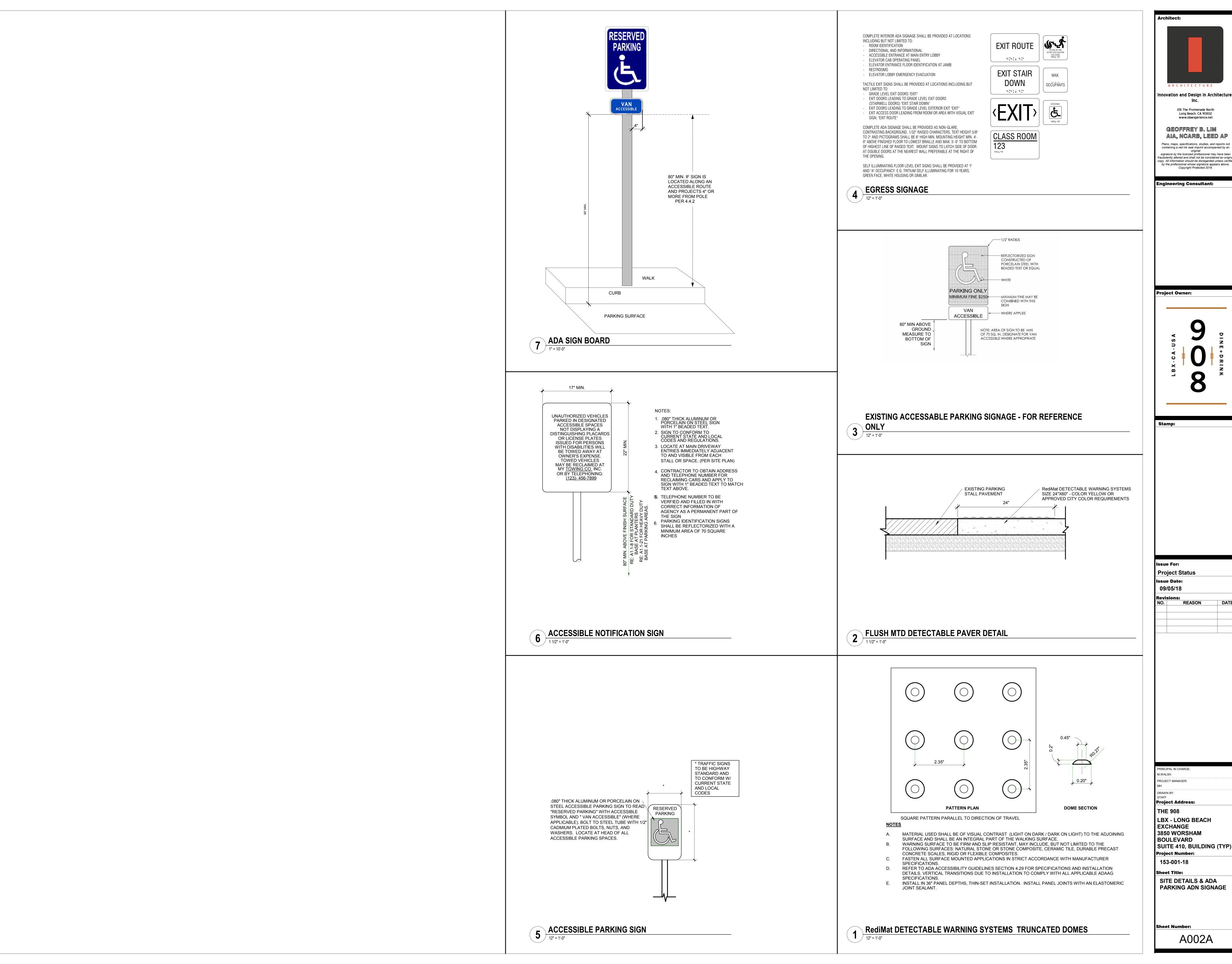
THE 908 LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP)

153-001-18 Sheet Title:

**GENERAL NOTES, ABBREVIATIONS, &** 

DRAWING CONVENTIONS





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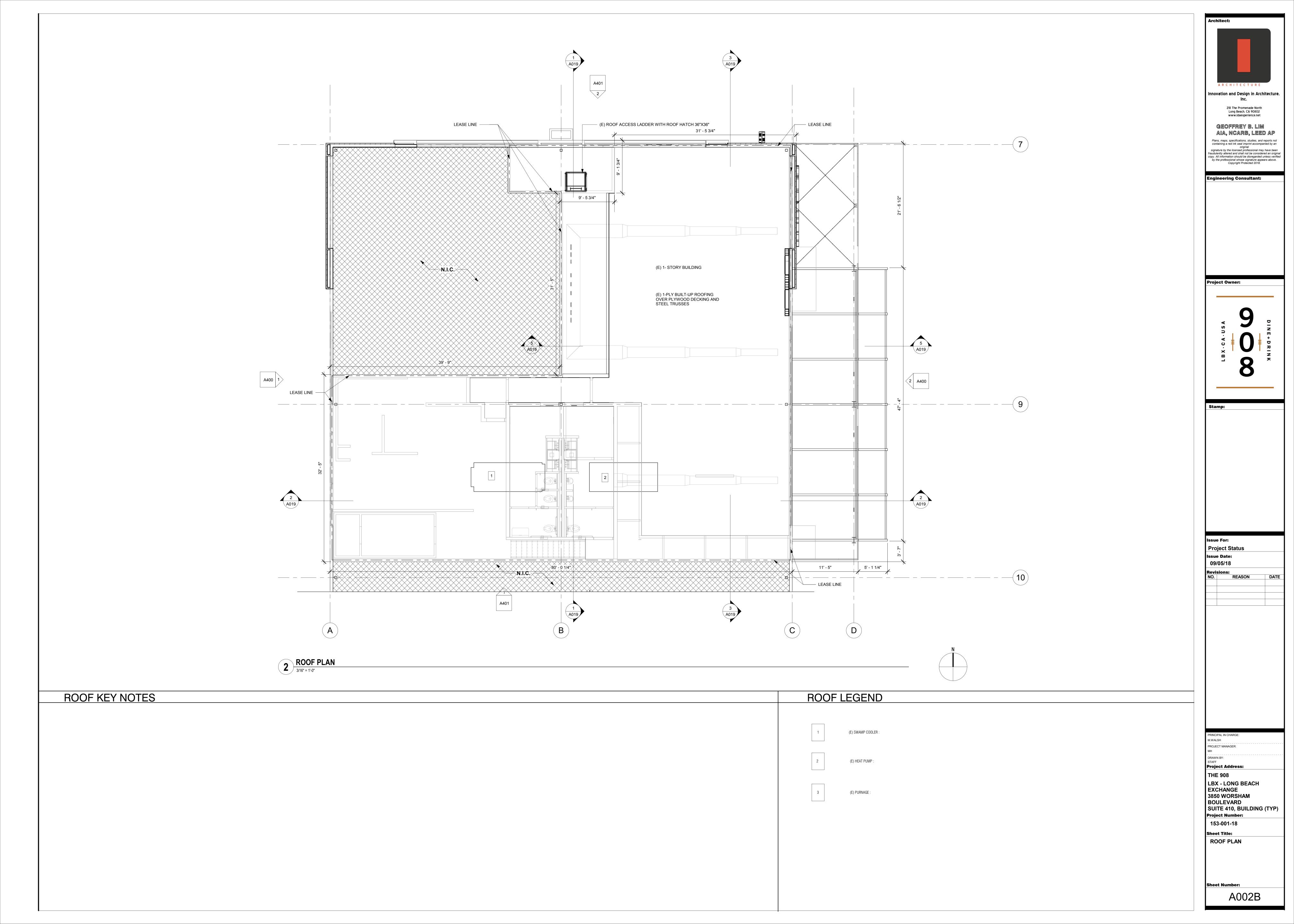
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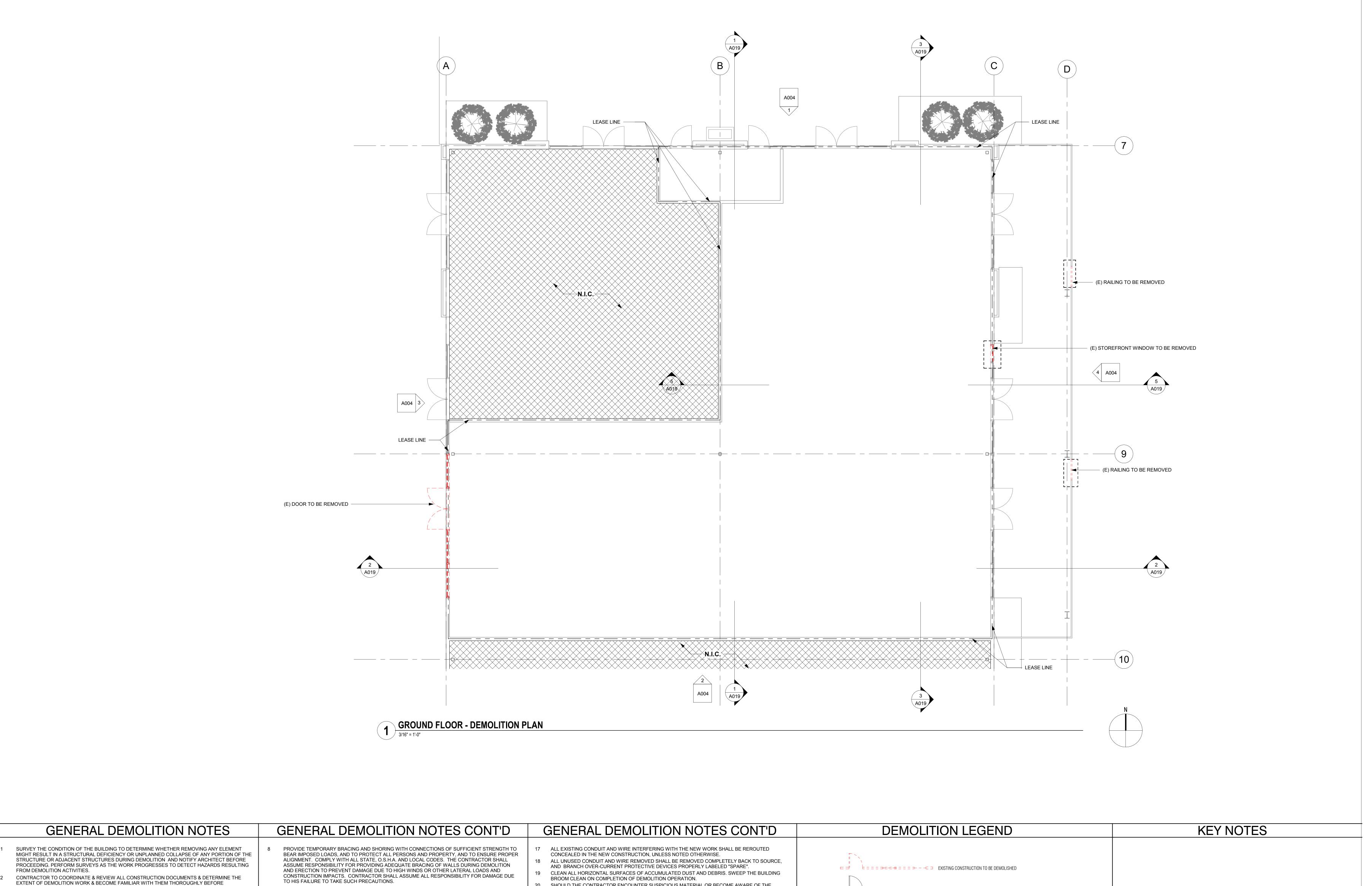
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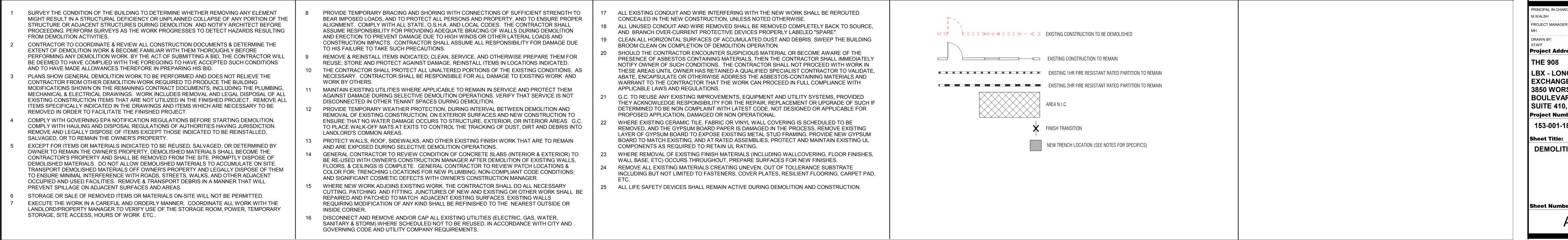
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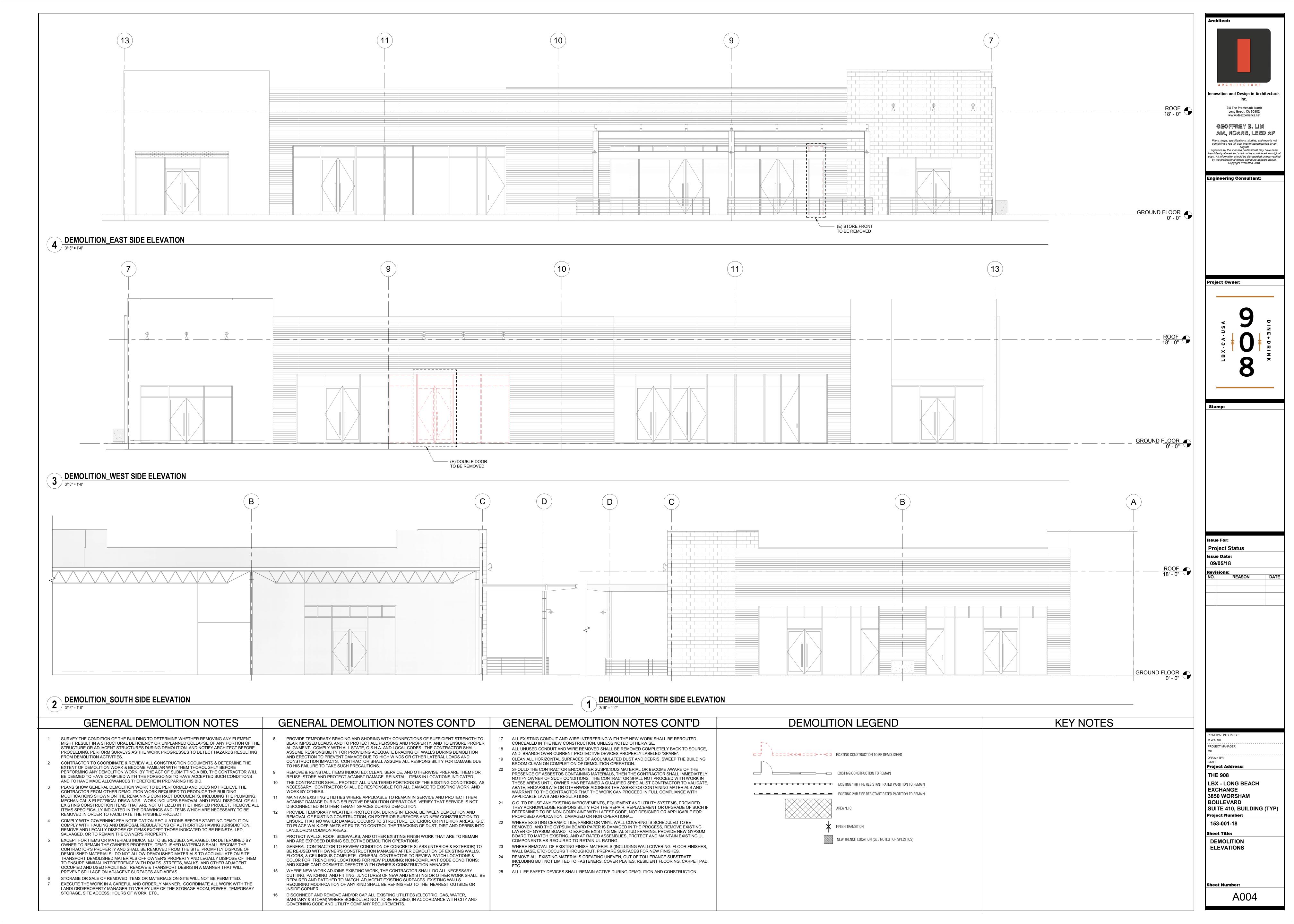
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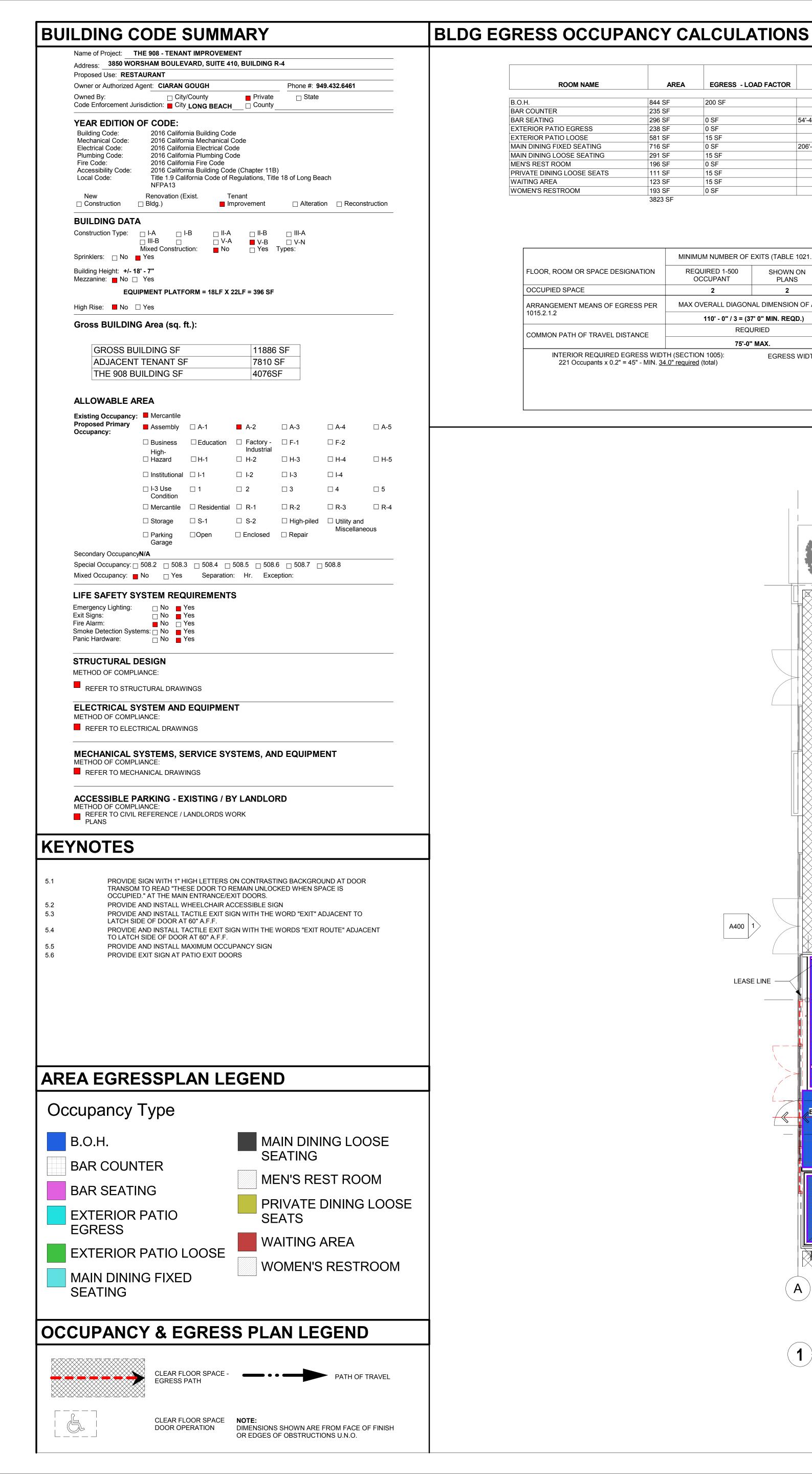
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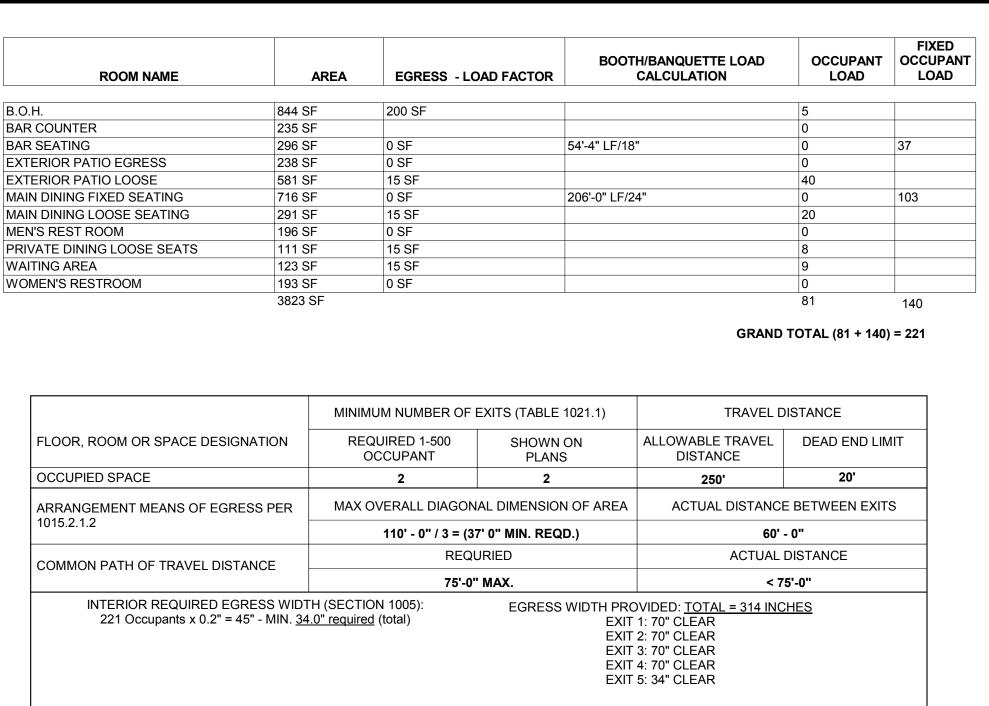
EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP)

Project Number: 153-001-18

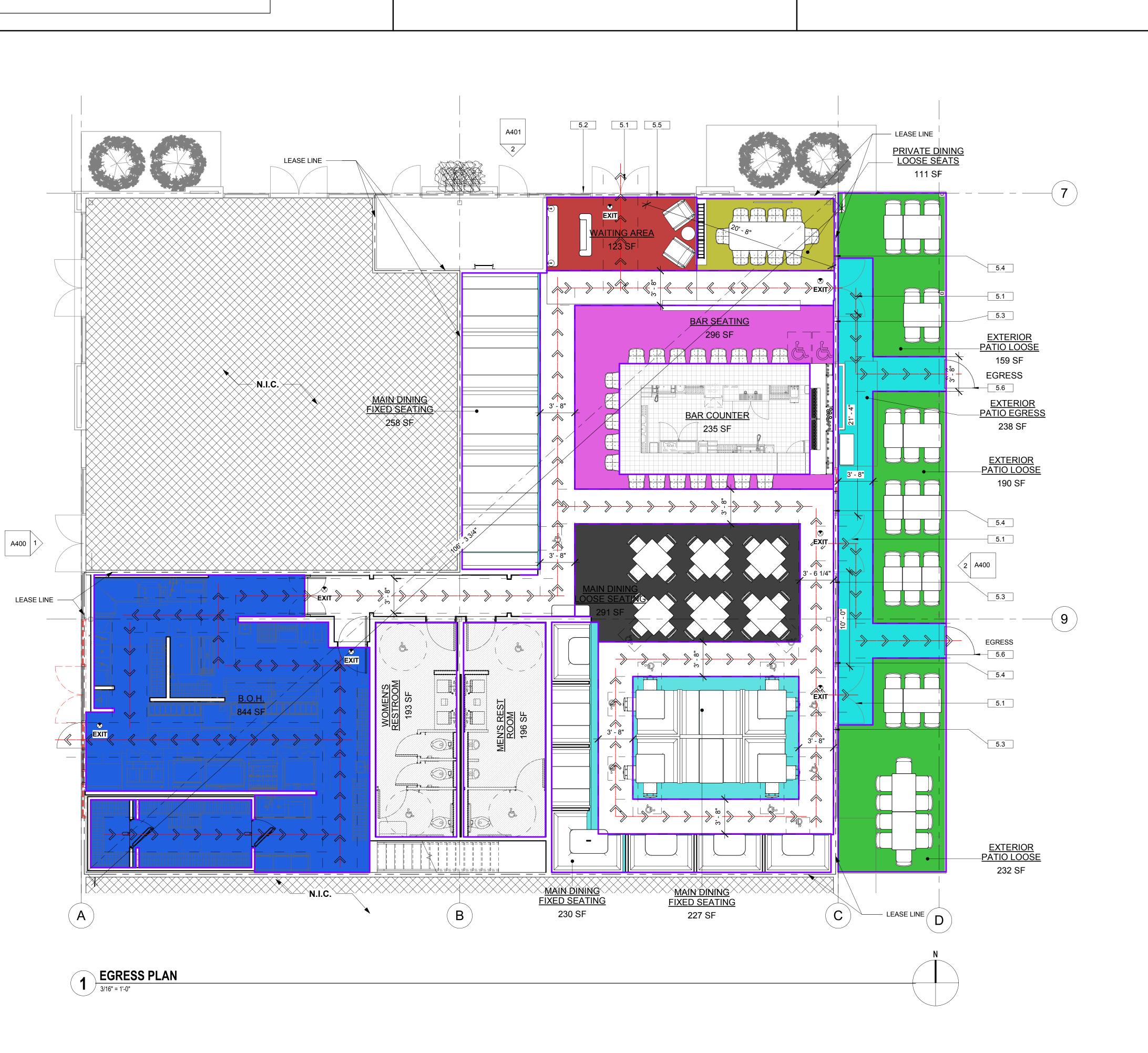
**DEMOLITION PLAN** 

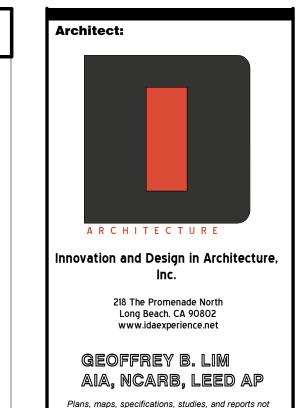






OCCUPANCY	WATER CLOSETS	URINALS	LAVA	TORIES	G.C. TO PROVIDE VISIBLE SIGN STATING THE FOLLOWING: SIGN TO BE A MINIUM SIZE OF 8 1/2" x 11"
221 OCCUPANTS	MALE FEMAL		MALE	FEMALE	MAXIMUM SEATING
50% MALE / 50% FEMALE	1: 1-50 1: 1-25	1: 1-200	1: 1-150	1: 1-150	
111 MALE / 111 FEMALE	2: 51-150 2: 26-50 3: 151-300 3: 51-100 4: 304-400 4: 101-20 6: 201-30		2: 151-200 3: 201-400	2: 151-200 3: 201-400	TEXT HEIGHT 3/8" CAPACITY
FIXTURES REQUIRED	2 3	1	1	1	
FIXTURES PROVIDED	1 3	2	2		
*TABLE 422.1 SUBSTITUTIONS "IN EACH BATHROOM OR TOIL THE REQUIRED WATER CLOS SUBSTITUTED FOR MORE THA	ET ROOM, URINALS SHALL N ETS IN ASSEMBLY AND EDUC	ATIONAL OCCUP	ANCIES. URINA	LS SHALL NOT E	
"IN EACH BATHROOM OR TOIL THE REQUIRED WATER CLOS	ET ROOM, URINALS SHALL N ETS IN ASSEMBLY AND EDUC	ATIONAL OCCUP	ANCIES. URINA	E THAN 67 PERC LS SHALL NOT E	TEXT HEIGHT 3/8"  3850 WORSHAM BOULEVA
"IN EACH BATHROOM OR TOIL THE REQUIRED WATER CLOS	ET ROOM, URINALS SHALL N ETS IN ASSEMBLY AND EDUC	ATIONAL OCCUP	ANCIES. URINA	E THAN 67 PERC LS SHALL NOT E	NT OF EICIES."  TEXT HEIGHT 3/8"





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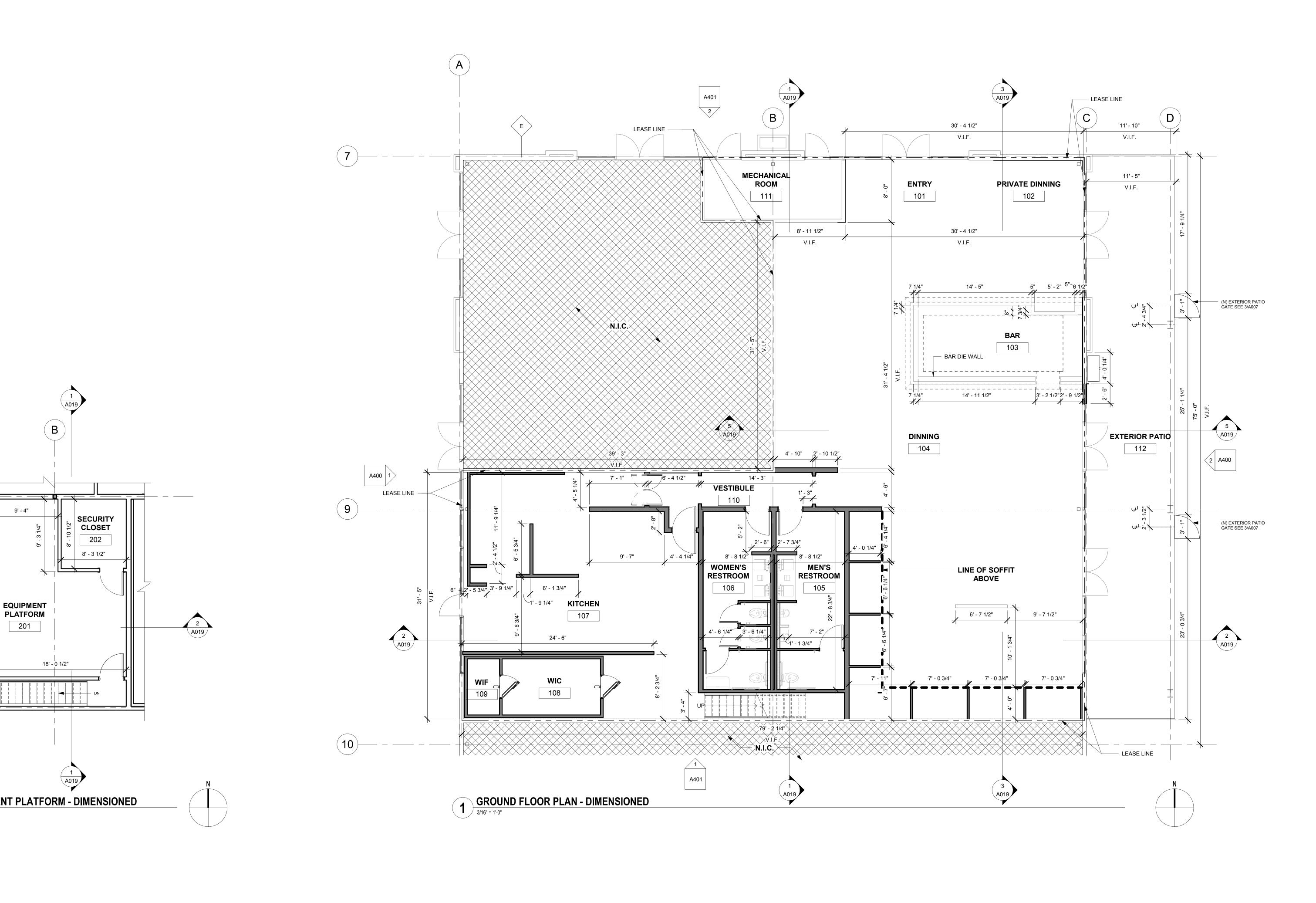
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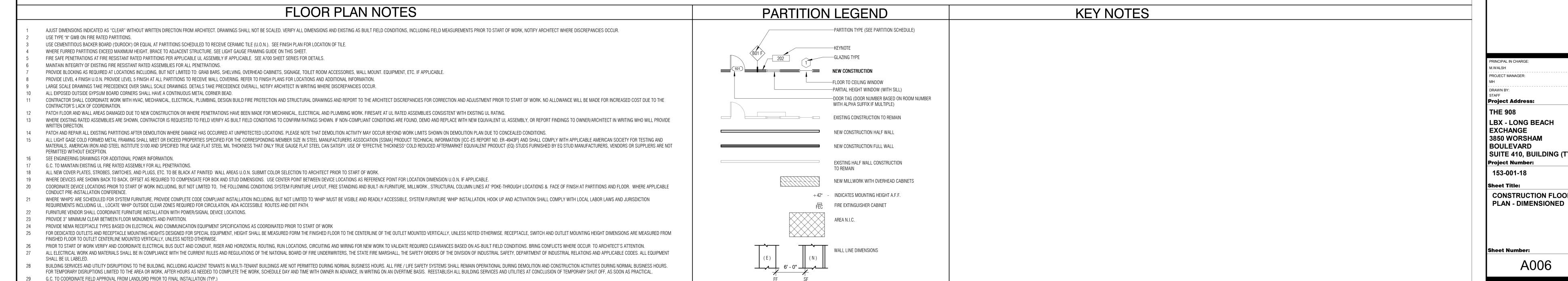
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OCCUPANCY AND EGRESS PLAN / CODE SUMMARY

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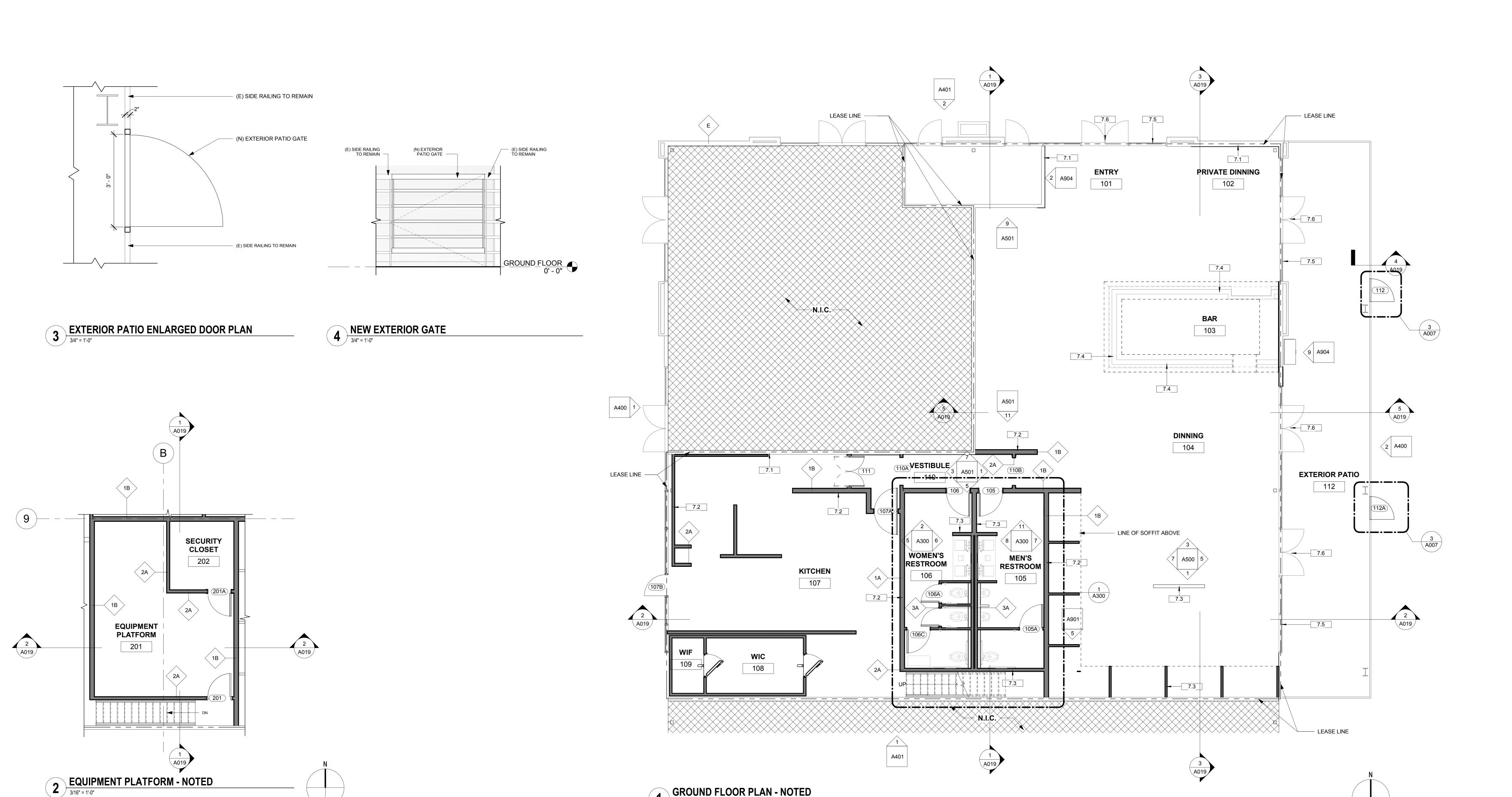
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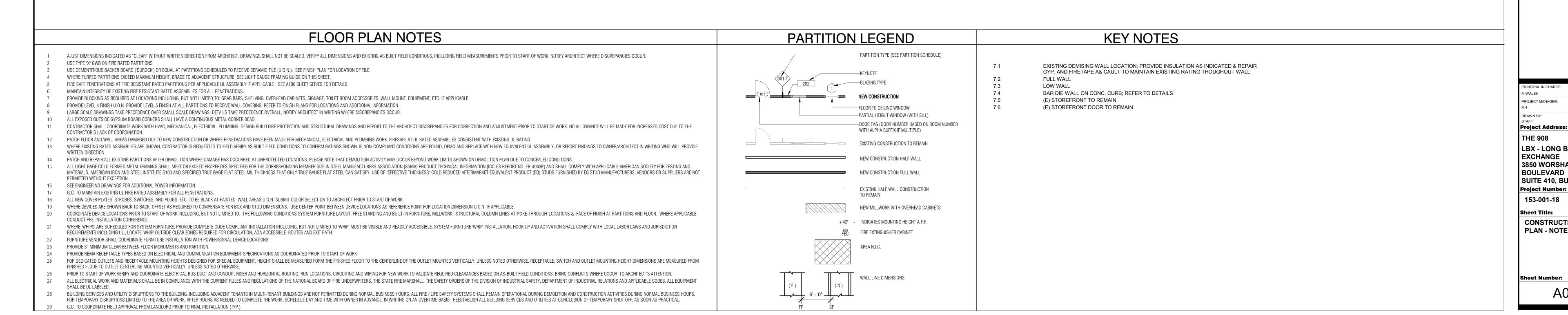
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SUITE 410, BUILDING (TYP) 153-001-18

CONSTRUCTION FLOOR





GROUND FLOOR PLAN - NOTED

3/16" = 1'-0"

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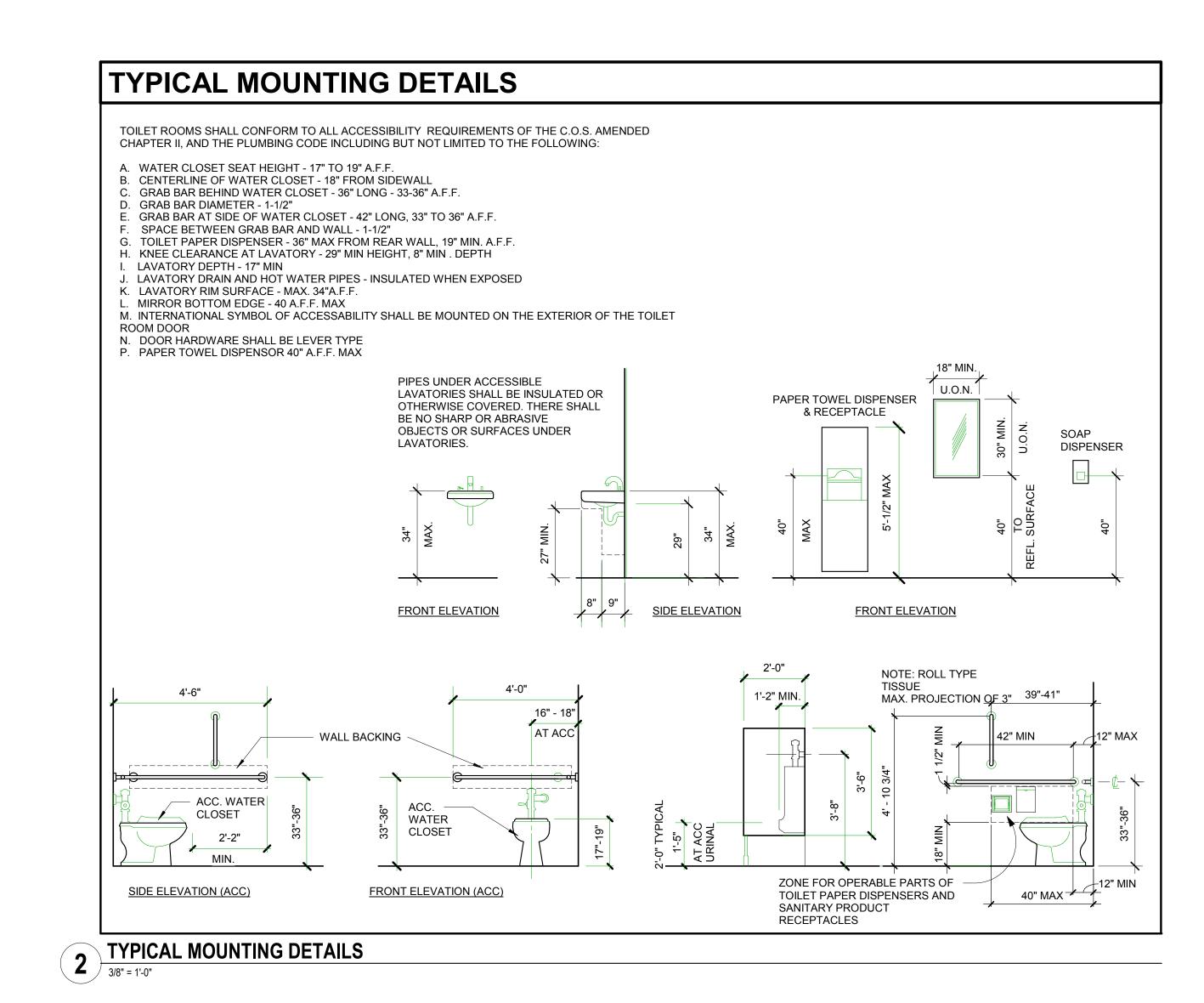
LBX - LONG BEACH

**EXCHANGE** 3850 WORSHAM

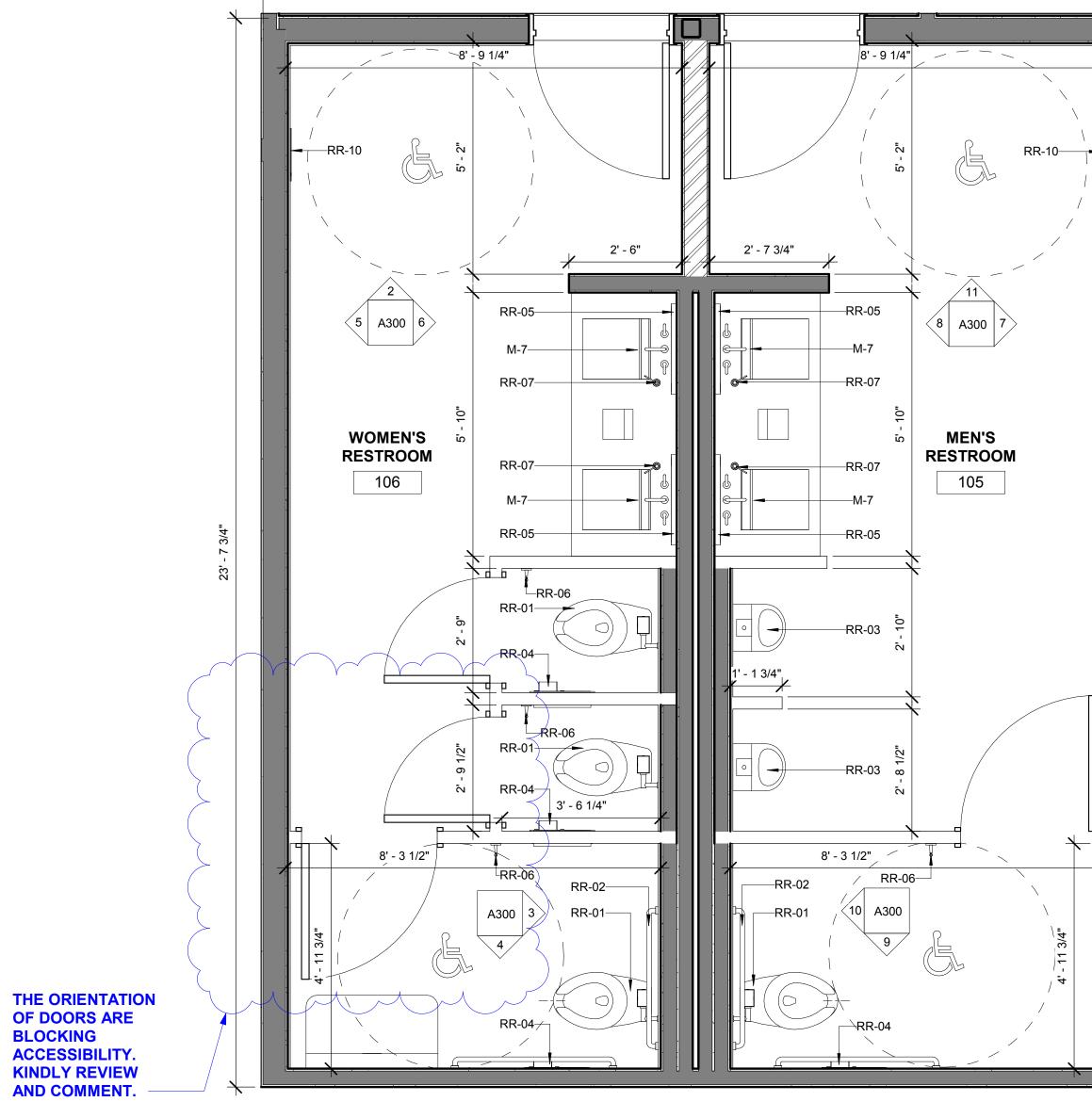
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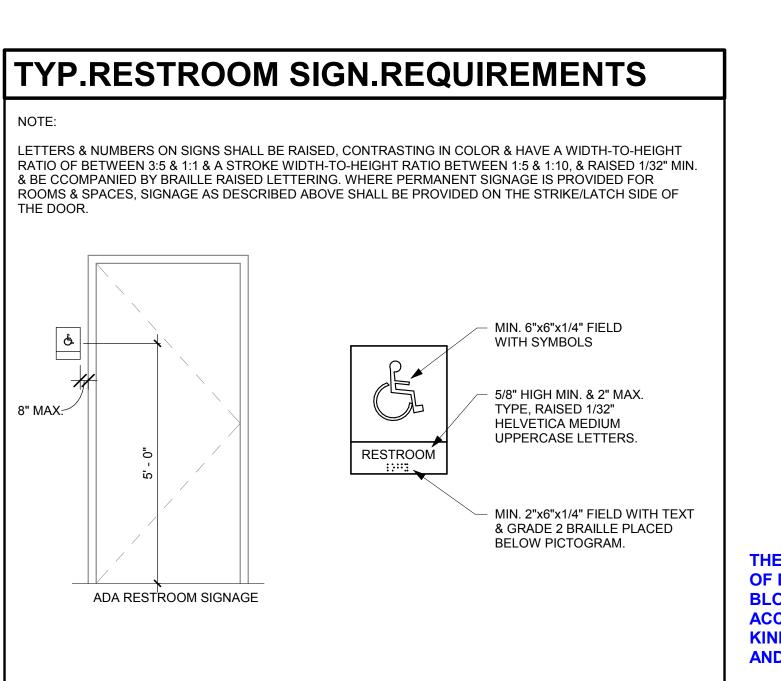
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CONSTRUCTION FLOOR PLAN - NOTED



19' - 1 3/4"





3 TYPICAL RESTROOM SIGNAGE REQUIREMENTS

1/2" = 1'-0"

1 ENLARGED RESTROOM PLAN
1/2" = 1'-0"

Architect:

ARCHITECTURE

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Revisions:
NO. REASON DATE DATE

RINCIPAL IN CHARGE: .WALSH

PROJECT MANAGER:
MH

DRAWN BY:
STAFF

Project Address:

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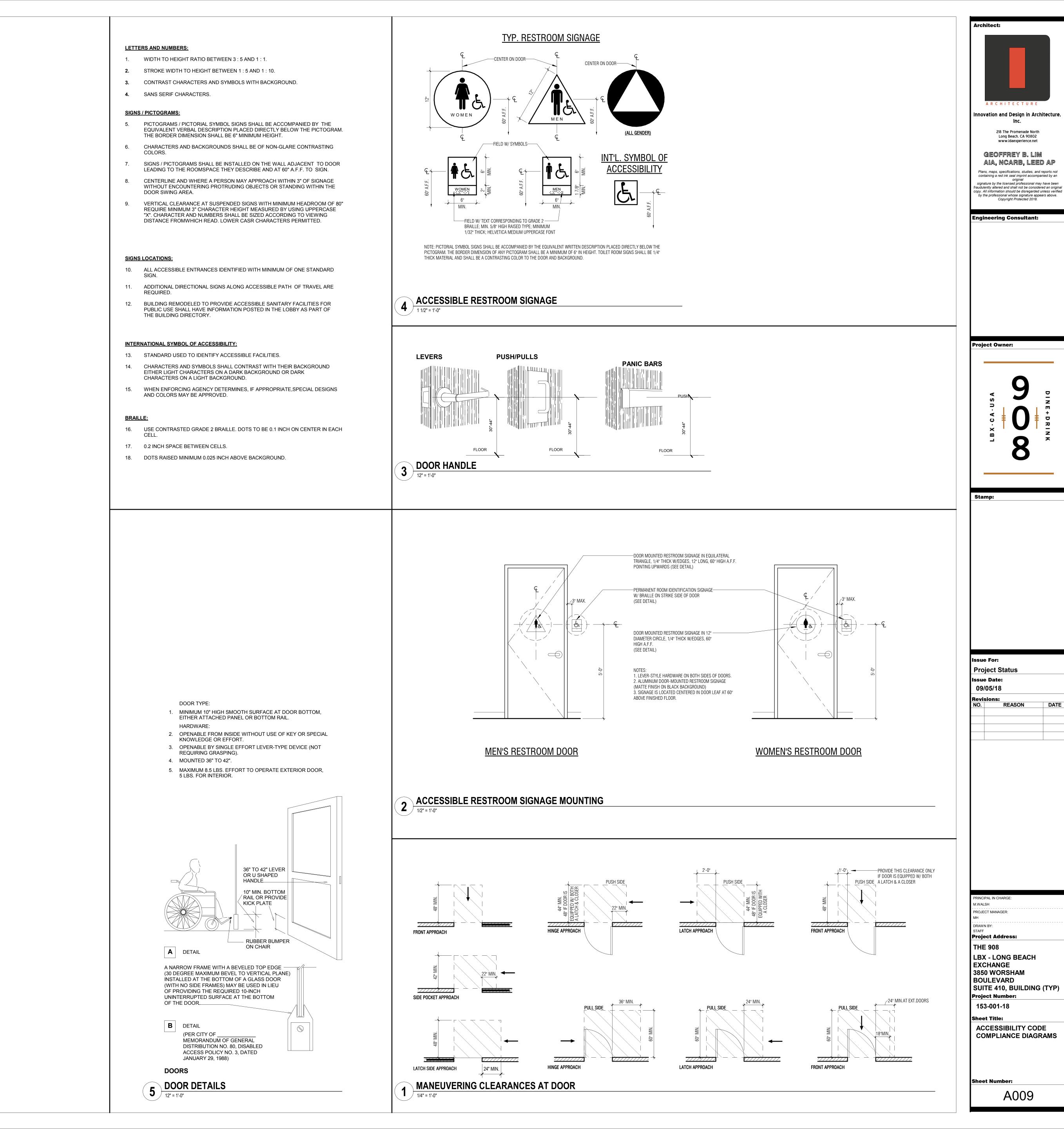
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3850 WORSHAM
BOULEVARD

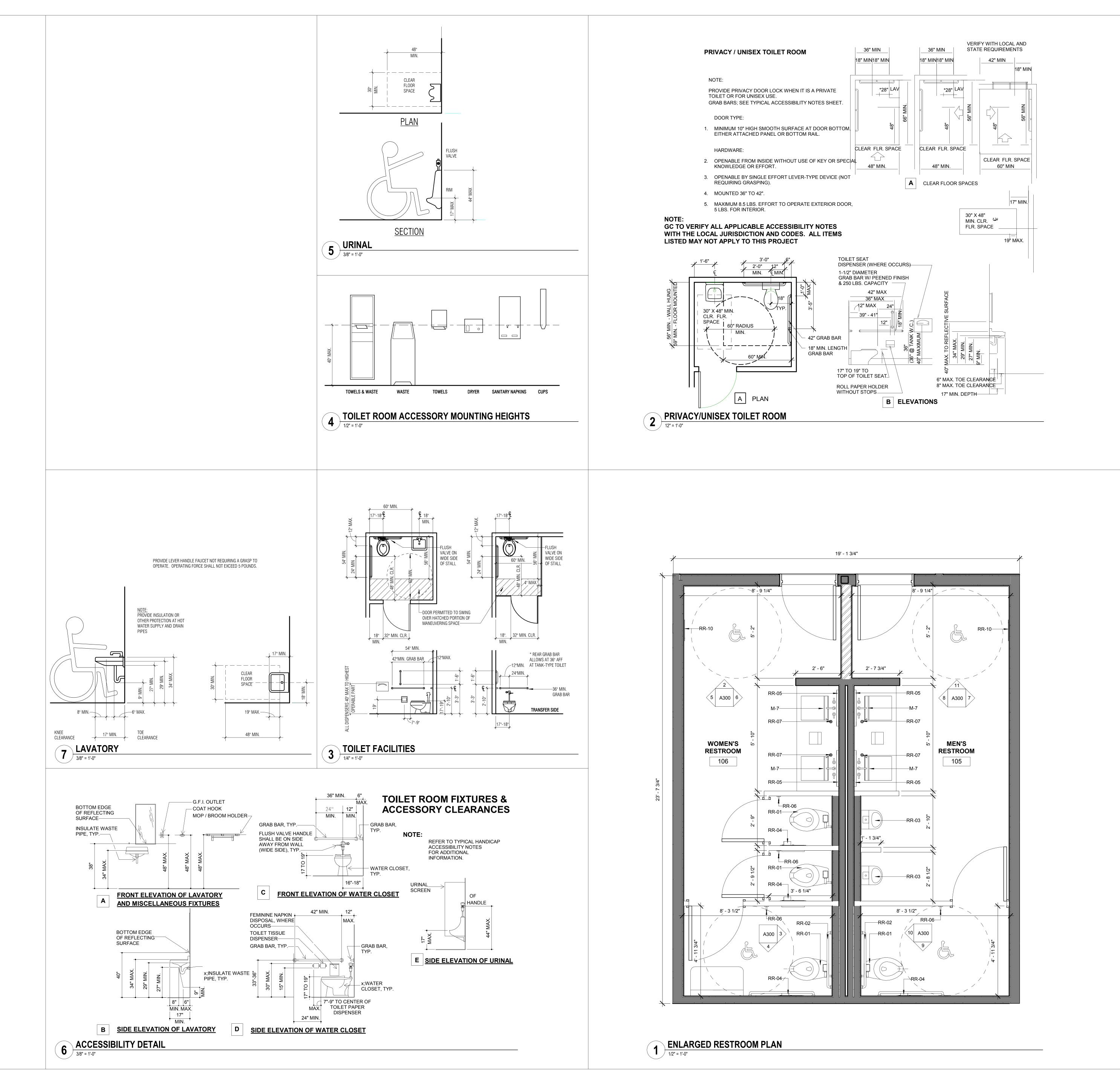
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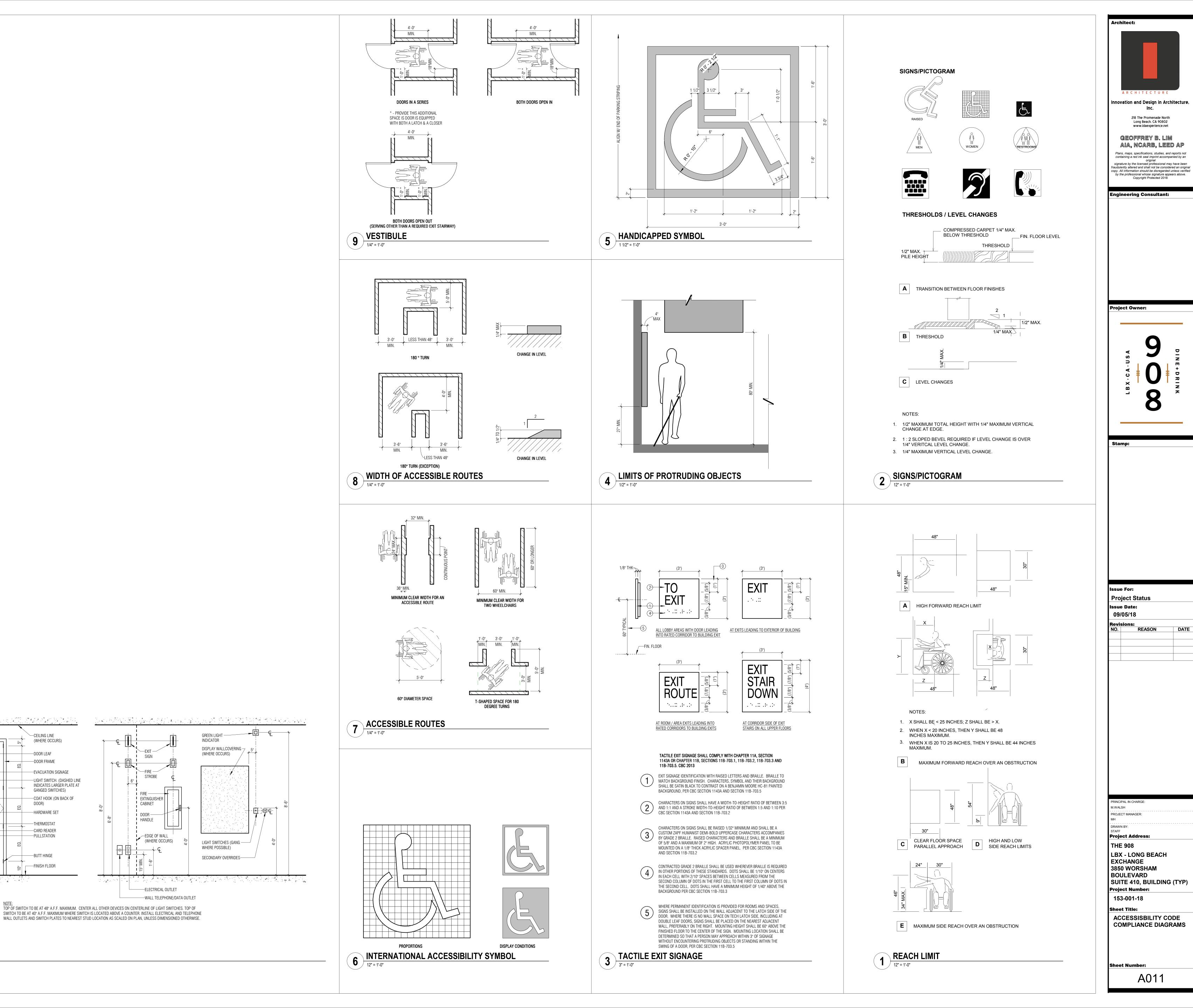
ACCESSIBILITY CODE COMPLIANCE DIAGRAMS

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& ENLARGED RESTROOM



44.4

NOTE: 4'-0" TO HIGHEST PORTION OF ANY OPERABLE EQUIPMENT

10 DEVICE MOUNTING HEIGHTS

1/2" = 1'-0"

—CEILING LINE

—DOOR FRAME

—EVACUATION SIGNAGE

GANGED SWITCHES)

—HARDWARE SET

---FINISH FLOOR

CARD READER PULLSTATION

BUTT HINGE

—COAT HOOK (ON BACK OF

—LIGHT SWITCH. (DASHED LINE INDICATES LARGER PLATE AT

----DOOR LEAF

(WHERE OCCURS)

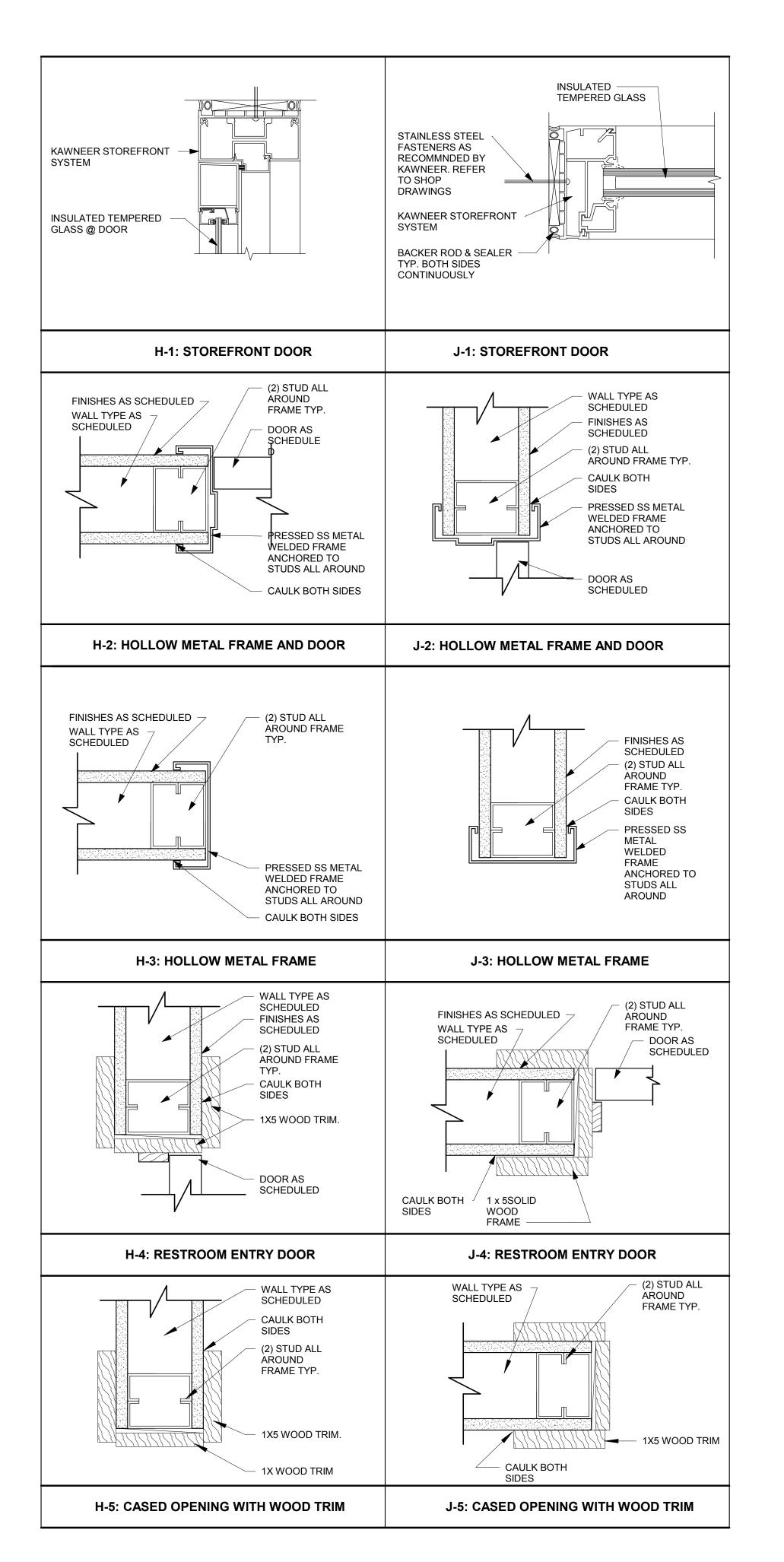
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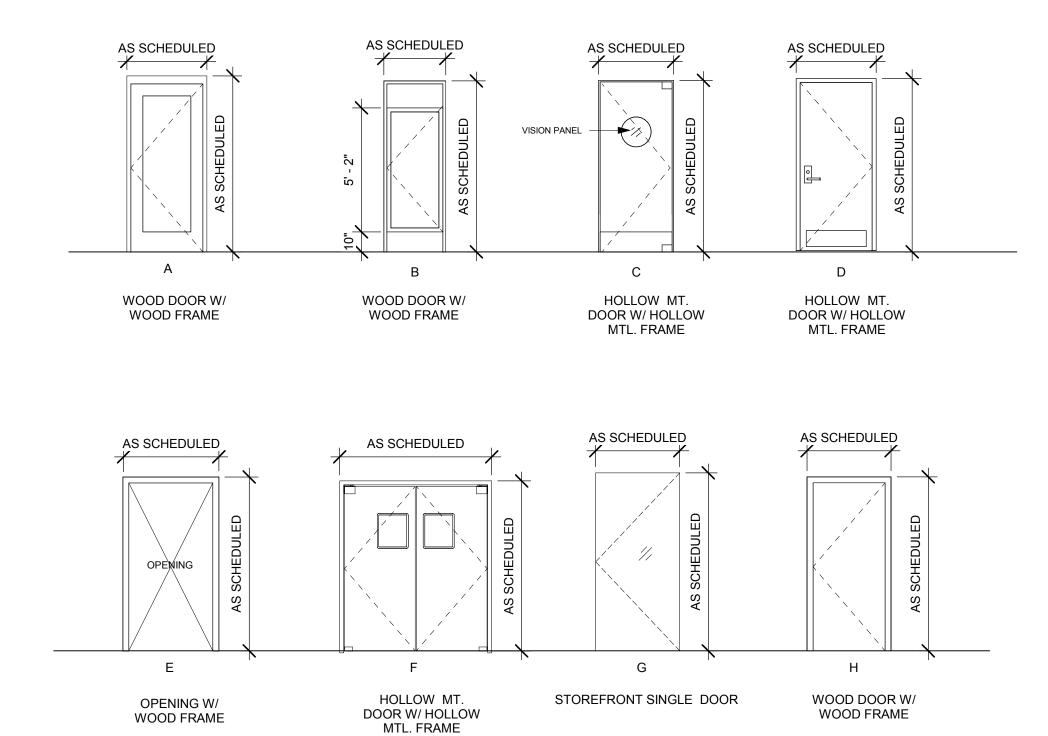
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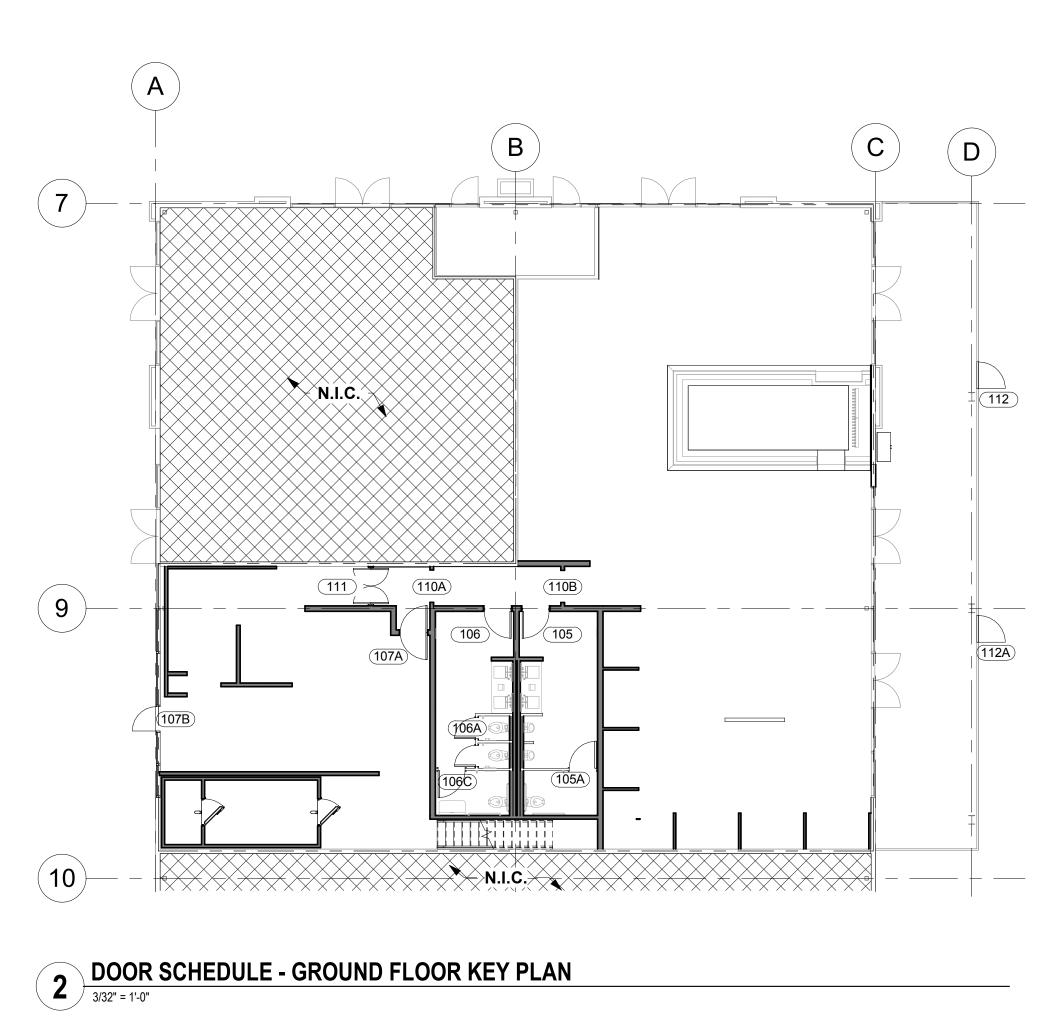
CABINET

■ D00R —— ! HANDLE REASON

								DOOR	SCHEDULI	₫			
			SIZE			DOOR			FRA	AME			
						MATERIA				MATER		HARDWAR	
NO.	ROOM	HEIGHT	WIDTH	THICK	TYPE	L	FINISH	HEAD	JAMB	IAL	FINISH	E SET	REMARKS
				T						T			
105	MEN'S RESTROOM	7' - 0"	3' - 0"	0' - 1 3/4"	Α	WOOD	STN	H-4	J-4	WOOD	STAIN	HWS-6	
105A	MEN'S RESTROOM	7' - 0"	3' - 0"	0' - 2"	В	WOOD	STN	H-4	J-4	WOOD	STAIN	HWS-6	
106	WOMEN'S RESTROOM	7' - 0"	3' - 0"	0' - 1 3/4"	Α	WOOD	STN	H-4	J-4	WOOD	STAIN	HWS-6	
106A	WOMEN'S RESTROOM	7' - 0"	2' - 4"	0' - 2"	В	WOOD	STN	H-4	J-4	WOOD	STAIN	HWS-6	
106C	WOMEN'S RESTROOM	7' - 0"	3' - 0"	0' - 2"	В	WOOD	STN	H-4	J-4	WOOD	STAIN	HWS-6	
107A	KITCHEN	7' - 0"	3' - 0"	0' - 1 3/4"	С	HM	PAINT	H-3	J-3	STEEL	PAINT	HWS-5	
107B	KITCHEN	9' - 11"	2' - 8 9/16"		G	ALUM/GLASS	GLASS	H-1	J-1	-	-	HWS-2	
110A	VESTIBULE	7' - 0"	3' - 6"		E	WOOD	STN	H-5	J-5	WOOD	STAIN	-	
110B	VESTIBULE	7' - 0"	3' - 6"		E	WOOD	STN	H-5	J-5	WOOD	STAIN	-	
110C		7' - 0"	2' - 4"	0' - 2"	В								
111	KITCHEN	7' - 0"	4' - 0"	0' - 1 3/4"	F	HM	PAINT	H-2	J-2	STEEL	PAINT	HWS-3	
112													
112A													
201		7' - 0"	3' - 0"	0' - 2"	D								
201A	EQUIPMENT PLATFORM	7' - 0"	3' - 0"	0' - 2"	Н	WOOD	STN	H-4	J-4	WOOD	STAIN	HWS-5	



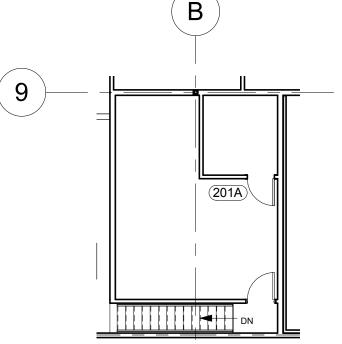




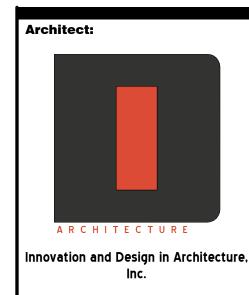
	PAIR EXTERIOR S	TOREFRONT ENTRY D	OORS		SINGLE EXTERIO	OR STOREFRONT ENT	RY DOOR
	HARDWARE TYPE	MFR.	MODEL#		HARDWARE TYPE	MFR.	MODEL#
HWS - 1	PIVOTS BUTTS LOCKSET KEYING DEADBOLT CYLINDER CYLINDER GASKETING DOOR PULL	PEMKO - BLFM95 SLF LOCKNET I/C CORE  LOCKNET LN2050 LOCKNET LN 2049 NGP C627DKB-36" ROCKWELL BF169 315	TKS1234UBL21 626 I/C RIM CYLINDER - 613 I/C MORTISECYCLINDER DKB TYP. 1 MOUNTING - 315	HWS - 2	PIVOTS BUTTS LOCKSET DEADBOLT CYLINDER CYLINDER CORE STRIKE DOOR PULL	    DOOR MFR.	KEY OPERATED DOOR MFR.
	PUSH PLATE SURFACE CLOSER EXIT DEVICE THRESHOLD WEATHER STRIPPING EXIT DEVICE SURFACE CLOSED KICK PLATE REMOVABLE MULLION	ROCKWOOD 70" BLK. PC YALE UNI-4400 693 DETEX V40-CD 711 NGP 325DKB-72" NGP 160SDKB-72"X96" DETEX V4003-CD P711 YALE UNI-400 693 ROCKWELL K1050 8"X34" DORMA 1330-8 600	4.5" x 26" BLACK 36" DOOR-LHR BLK. 693 711 DKB DKB 711 36" DOOR - RHR - 693 POWDER COAT 600		PUSH CLOSER EXIT DEVICE THRESHOLD WEATHER STRIPPING SILENCER FLOOR STOP VIEWER	DOOR MFR. YALE YALE DOOR MFR. DOOR MFR. DOOR MFR.	DOOR MFR. UNI4400 7255-480F DOOR MFR. DOOR MFR
	<b>EXTERIOR MAINT</b>	ENANCE DOOR			RECEIVING DOO	 R,	
	HARDWARE TYPE	MFR.	MODEL#		HARDWARE	MFR.	MODEL#
	PIVOTS BUTTS KEYING DEADBOLT	PEMKO BLF M95SLF LOCKNET I/C CORE	 TKS1234UCBL21 D 626		TYPE PIVOTS BUTTS LOCKSET	 PEMKO	CFM83HD1-AL
HWS - 3	CYLINDER CYLINDER CORE STRIKE DOOR PULL	LOCKNET LN2049 I/C	MORTISE CYLINDER 613 	HWS - 4	DEADBOLT CYLINDER CYLINDER CORE STRIKE DOOR PULL	FALCON BY OWNER	C953-7PIN-626 BY OWNER
	PUSH PLATE SURFACE CLOSER EXIT DEVICE THRESHOLD WEATHER STRIPPING KICK PLATE GASKETING MISCELLANEOUS ITEM	ROCKWELL 70" YALE UNI-4400 693 DETEX V4003-CD P711 NGD 325DKB-36" NGP 160SDKB-36" X 96" ROCKWELL K1050 8"X34" NGB627DKB - 36" NGB 16DKB-40"	BLK PWD COAT 4.5X26" 36" DOOR - RHR 693 711 DKB DKB POWDER COAT DKB DKB		PUSH CLOSER EXIT DEVICE THRESHOLD WEATHER STRIPPING SWEEP RAIN DRIP VIEWER	YALE DETEX PEMKO PEMKO PEMKO PEMKO PEMKO ROCKWOOD	 UNI4410-689 V4003A-EB-W-99-62 171A 303SA 18062 BRUSH 346C 622
	111 171				INTERIOR RESTR	ROOM DOOR	
	INTERIOR DOOR L	<u> OCKABLE</u>	1		HARDWARE	MFR.	MODEL#
	HARDWARE <u>TYPE</u>	MFR.	MODEL#		TYPE PIVOTS		
- 5	PIVOTS BUTTS DOOR PULL CYLINDER	MCKINNEY TA2714 ROCKWOOD IF ON OUTSIDE OF RR	 4 1/2" x 4 1/2" D4 BLK BF110 X 70C BLACK 	9 - 6	BUTTS LOCKSET KEYING CYLINDER CYLINDER CORE STRIKE	MCKINNEY MPB79 YALE B-AU 5405LN LOCKNET I/C CORE	4 1/2" x4 1/2" US26E 626 626 
HWS	CYLINDER CORE STRIKE DOOR PULL PUSH PLATE SURFACE CLOSER KICK PLATE KICK PLATE WALL DOOR STOP DOOR SILENCER	ROCKWOOD 70G US32D YALE 3501-REG ROCKWOOD K1050 ROCKWOOD K1050 ROCKWOOD 409 ROCKWOOD 608	  US32D 689 - LH 689 10" x 34" US32D 8" x 34" BLK PWD COAT US32D US10B	HWS	DOOR PULL PUSH SURFACE CLOSER EXIT DEVICE THRESHOLD WEATHER STRIPPING DOOR SILENCER	 YALE 3501 - REG   ROCKWOOD 608 ROCKWOOD 409	  689 - LH 689    US26D
	==				WALL DOOR STOP VIEWER		
				1			
	INTERIOR DOOR I	KITCHEN 					
	TYPE	MFR.	MODEL#				
6	PIVOTS BUTTS EXIT DEVICE	PEMKO CFM83HD1 DETEX V4xW 628	C C EB44" X 84" X 48" 628				
- SMH	CYLINDER CYLINDER KEYING SURFACE CLOSER KEY PLATE	LOCKNET LN2049C LOCKNET LN2050 LOCKNET I/C CONE YALE UNI-4400 689 ROCKWELL K1050	626 MORTISE CYLINDER 626 626 44" DOOR - RHP 689 32" x 40" US32D US32D				
	EXIT DEVICE THRESHOLD	   NGP 325-42"					

## **DOOR NOTES**

<u> </u>	ALL DOOR HANDLES TO BE LEVER TYPE PER STATE AND LOCAL ACCESSIBILITY REQUIREMENTS. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
2	PROVIDE DOOR STOPS OF APPROPRIATE TYPE FOR ALL INTERIOR DOORS, MATCH ADJACENT HARDWARE.
3	DOOR CLOSURES SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
!	FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
	INTERIOR HINGED DOOR: 5.0 LB (22.2 N) MAXIMUM
	SLIDING/FOLDING DOOR: 5.0 LB (22.2 N) MAXIMUM
	EXTERIOR HINGED DOOR: 7.5 LB (22.2 N) MAXIMUM
5	THE BOTTOM 10 IN. OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
5	PANIC HARDWARE SHALL BE PROVIDED AS SCHEDULED
	LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN THE PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
3	LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.
)	HAND-ACTIVATED DOOR OPENING HARDWARE TO BE CENTERED BETWEEN 30" AND 44" ABOVE THE FLOOR.
)	EVERY DOORWAY WHICH IS LOCATED WITHIN AN ACCESSIBLE PATH OF TRAVEL SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3'-0" IN WIDTH & NOT LESS THAN 6'-8" IN HEIGHT. WHEN INSTALLED EXIT DOORS SHALL BE CAPABLE OF OPENING SO THAT THE CLEAR WIDTH OF THE EXIT IS NOT LESS THAT 32"
	MINIMUM MANEUVERING CLEARANCES @ DOORS SHALL BE AS SHOWN IN FIGURE 33-2. THE FLR. OR GROUND AREA WITHIN THE REQ'D. CLEARANCES SHALL BE LEVEL & CLR.
	THERE SHALL BE A LEVEL AND CLR. FLR. OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION.
3	THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND A MINIMUM OF 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXT. DOORS AND A MINIMUM OF 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS.
4	THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY.
5	DOORS SHALL NOT PROJECT MORE THAN 7" INTO THE REQUIRED CORRIDOR WIDTH WHEN FULLY OPENED OR MORE THAN ONE HALF INTO THE REQUIRED WIDTH WHEN IN ANY POSITION.
6	COORDINATE DOOR WOOD SPECIES WITH OWNER
7	ALL HARDWARE SHALL BE FINISHED TO MATCH ANSI #623, LIGHT OXIDIZED, STATUARY BRONZE, CLEAR COATED, UNLESS OTHERWISE NOTED.
8	MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 LBS. FOR INTERIOR DOOR.
9	ALL HARDWARE SHALL COMPLY WITH APPLICABLE CODES AND ADA REQUIREMENTS.
0	SPECIFIC HARDWARE MANUFACTURER AND MODEL NUMBERS SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARDS AND COLORS
1	ALL DIMENSIONS ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
2	OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM
23	ALL LOCK SETS SHALL BE CODED AND/OR KEYED IN ACCORDANCE WITH THE BUILDING REQUIREMENTS. CODES AND/OR KEYS ARE TO BE DELIVERED TO TENANT PROPERLY TESTED AND/OR TAGGED. THE NUMBER OF MASTER AND PASS KEYS SHALL BE COORINDATE WITH TENANT.



DOOR SCHEDULE - EQUIPMENT PLATFORM KEY PLAN 3/32" = 1'-0"



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neering Consultant:

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Project Status

09/05/18

REASON

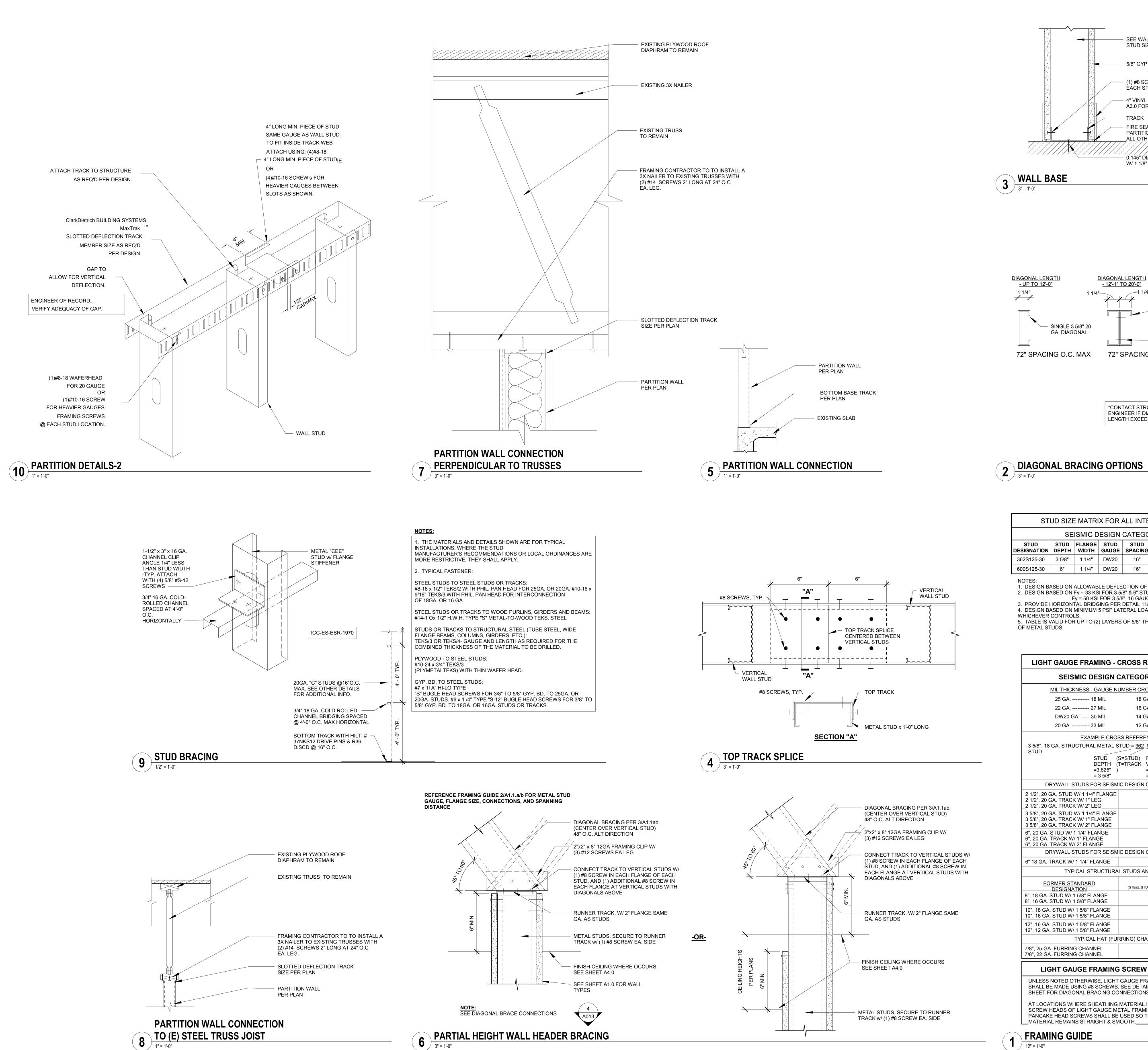
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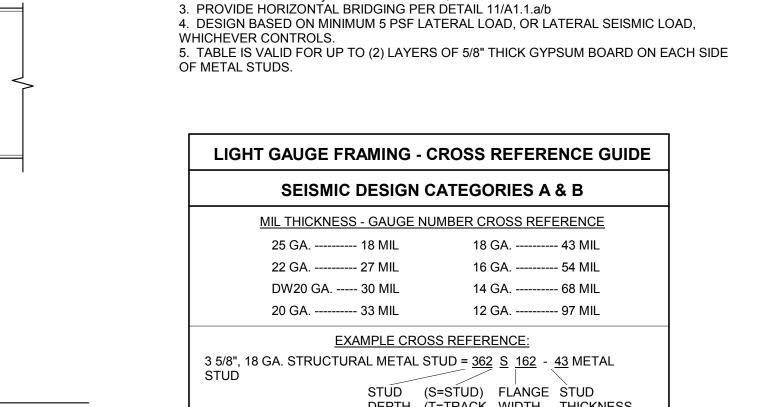
THE 908 LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD

SUITE 410, BUILDING (TYP) Project Number: 153-001-18

Sheet Title:

DOOR SCHEDULE & ACCESSIBILITY NOTES





REFERENCE FRAMING GUIDE 2/A1.1.a/b FOR METAL STUD GAUGE, FLANGE SIZE, CONNECTIONS, AND SPANNING

SEE WALL TYPE FOR

- 5/8" GYP BD BOTH SIDES

- 4" VINYL BASE - SEE SHEET

ALL OTHER LOCATIONS

(1) #8 SCREW @ BOTH SIDES OF

FIRE SEALANT (CONT.) AT RATED

PARTITION, ACOUSTIC SEALANT AT

- 0.145" DIA. HILTI POWER DRIVEN PIN

DOUBLE 3 5/8" 20 GA. STUDS

WITH 1 1/4"

#8 SCREWS @ 12" O.C.

\*CONTACT STRUCTURAL

ENGINEER IF DIAGONAL

LENGTH EXCEEDS 20'-0"

STUD SIZE MATRIX FOR ALL INTERIOR PARTITIONS

SEISMIC DESIGN CATEGORIES A & B

DESIGNATION | DEPTH | WIDTH | GAUGE | SPACING | SPANNING FROM FLOOR TO DECK

2. DESIGN BASED ON Fy = 33 KSI FOR 3 5/8" & 6" STUDS LESS THAN 16 GAUGE.

Fy = 50 KSI FOR 3 5/8", 16 GAUGE.

STUD | STUD | FLANGE | STUD | STUD

1. DESIGN BASED ON ALLOWABLE DEFLECTION OF L/240.

362S125-30 3 5/8" 1 1/4" DW20 16"

600S125-30 6" 1 1/4" DW20 16"

WIDE FLANGES

MAXIMUM WALL HEIGHT

13' - 6"

19' - 0"

W/ 1 1/8" EMBEDMENT AT 16" O.C.

STUD SIZE

ÈÁCH STUD

A3.0 FOR INFO.

DISTANCE

- SINGLE 3 5/8" 20

72" SPACING O.C. MAX 72" SPACING O.C. MAX

GA. DIAGONAL

LIGHT GAUGE FRAMING -	CROSS REFERENCE GUIDE
SEISMIC DESIGN	CATEGORIES A & B
MIL THICKNESS - GAUGE N	UMBER CROSS REFERENCE
25 GA 18 MIL	18 GA 43 MIL
22 GA 27 MIL	16 GA 54 MIL
DW20 GA 30 MIL	14 GA 68 MIL
20 GA 33 MIL	12 GA 97 MIL
EXAMPLE CRO	SS REFERENCE:
3 5/8", 18 GA. STRUCTURAL METAL S	STUD = 362 S 162 - 43 METAL
DEPTH (	(S=STUD) FLANGE STUD (T=TRACK WIDTH THICKNESS) =1.625" = 43 MIL (18 =1 5/8" GA.)
	IIC DESIGN CATEGORIES A & B
2 1/2", 20 GA. STUD W/ 1 1/4" FLANGE 2 1/2", 20 GA. TRACK W/ 1" LEG 2 1/2", 20 GA. TRACK W/ 2" LEG	250S125-30 250T100-30 250T200-30
3 5/8", 20 GA. STUD W/ 1 1/4" FLANGE 3 5/8", 20 GA. TRACK W/ 1" FLANGE 3 5/8", 20 GA. TRACK W/ 2" FLANGE	
6", 20 GA. STUD W/ 1 1/4" FLANGE 6", 20 GA. TRACK W/ 1" FLANGE 6", 20 GA. TRACK W/ 2" FLANGE	600S125-30 600T100-30 600T200-30
DRYWALL STUDS FOR SEISM	IIC DESIGN CATEGORIES A & B
6" 18 GA. TRACK W/ 1 1/4" FLANGE	600T125-43
TYPICAL STRUCTURA	AL STUDS AND TRACKS
FORMER STANDARD DESIGNATION	NEW SSMA (STEEL STUD MANUFACTURERS ASSOCIATION)
B", 18 GA. STUD W/ 1 5/8" FLANGE B", 16 GA. STUD W/ 1 5/8" FLANGE	800\$162-33 800\$162-44
10", 18 GA. STUD W/ 1 5/8" FLANGE 10", 16 GA. STUD W/ 1 5/8" FLANGE	1000S162-33 1000S162-44
12", 16 GA. STUD W/ 1 5/8" FLANGE 12", 12 GA. STUD W/ 1 5/8" FLANGE	1200S162-54 1200S162-97
TYPICAL HAT (FU	RRING) CHANNELS
7/8", 25 GA. FURRING CHANNEL 7/8", 22 GA. FURRING CHANNEL	087F125-18 087F125-27
LIGHT GAUGE FRAMING	S SCREW CONNECTIONS
UNLESS NOTED OTHERWISE, LIGHT SHALL BE MADE USING #8 SCREWS SHEET FOR DIAGONAL BRACING CO	SEE DETAILS 7, 8, & 9 ON THIS
AT LOCATIONS WHERE SHEATHING SCREW HEADS OF LIGHT GAUGE M PANCAKE HEAD SCREWS SHALL BE MATERIAL REMAINS STRAIGHT & SM	USED SO THAT SHEATHING

FRAMING GUIDE

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Project Owner:

Issue For:

Project Status

09/05/18

REASON

M.WALSH

PRINCIPAL IN CHARGE:

PROJECT MANAGER:

THE 908 LBX - LONG BEACH **EXCHANGE** 3850 WORSHAM

BOULEVARD

Project Number: 153-001-18 Sheet Title:

PARTITION DETAILS -

SEISMIC CATEGORIES A

SUITE 410, BUILDING (TYP)

Sheet Number:

#### A. SITE DEVELOPMENT

1. GRADE AND DEVELOP SITE SO THAT ALL BUILDING ENTRANCES. REQUIRED EXITS. AND OTHER ACCESS POINTS TO THE BUILDING, AS DESIGNATED BY THE GOVERNING AGENCY, ARE ACCESSIBLE TO THE PHYSICALLY DISABLED FROM BOTH THE PUBLIC WAY AND FROM THE SPECIAL PARKING SPACE(S) PROVIDED FOR THE DISABLED. THE ACCESSIBLE ROUTE OF TRAVEL SHALL BE PROVIDED BETWEEN THE BUILDING AND FACILITIES ON THE SITE.

#### PROVIDE DISABLED PARKING SPACES.

- 2. EACH SPACE SHALL BE 14 FEET WIDE AND OUTLINED TO PROVIDE A 9 FOOT PARKING AREA AND A 5 FOOT LOADING AND UNLOADING AREA. SEE NOTE #3 BELOW. VAN ACCESSIBLE STALLS AS
- 3. TWO ADJACENT PARKING SPACES MAY BE PROVIDED WITH A 23 FOOT WIDE AREA LINED TO PROVIDE A 9 FOOT PARKING AREA ON EACH SIDE OF A 5 FOOT LOADING AND UNLOADING AREA
- IN THE CENTER. 8 FOOT LOADING/UNLOADING AREA AT VAN ACCESSIBLE STALLS. 4. THE MINIMUM LENGTH OF EACH PARKING SPACE SHALL BE 18 FEET.

6. ALL PARKING STRUCTURES AND PARKING AREAS SHALL HAVE ACCESSIBLE PARKING

- 5. SURFACE SLOPES OF PARKING SPACES FOR THE PHYSICALLY DISABLED SHALL NOT EXCEED 1/4 INCH PER FOOT (2.083% GRADIENT) IN ANY DIRECTION.
- SPACES AND ALL ENTRANCES LEADING TO THE ACCESSIBLE PARKING SPACES AND ALI VEHICLE EXITS FROM THE ACCESSIBLE PARKING SPACES INCLUDING THE DRIVEWAY. AISLE AND STALL AREA, SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8'-2". PROVIDE 114" (9'-6") MINIMUM CLEARANCE TO BUILDING/ FACILITIES PASSENGER LOADING ZONE FROM THE PUBLIC WAY AND INCLUDING THE PASSENGER LOADING 7. THE 8'-2" AND 9'-6" VERTICAL DIMENSIONS SHALL BE CLEAR OF ALL OBSTRUCTIONS, INCLUDING BEAMS, SPRINKLER HEADS, PIPING, ETC.
- 8. A DISABLED PARKING SPACE SHALL BE LOCATED SO AS NOT TO REQUIRE ITS USER TO WHEEL OR WALK BEHIND ANY OTHER DISABLED OR NON-DISABLED PARKING SPACE.
- 9. PEDESTRIAN WAYS WHICH ARE ACCESSIBLE TO THE PHYSICALLY DISABLED SHALL BE PROVIDED FROM EACH ACCESSIBLE PARKING SPACE TO RELATED FACILITIES, INCLUDING ELEVATORS, CURB CUTS AND/OR RAMPS AS NEEDED.
- 10. IN EACH PARKING AREA. A BUMPER OR CURB SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF CARS OVER THE REQUIRED WIDTH OF WALKWAYS.
- 11. ACCESSIBLE PARKING SPACES SHALL BE LOCATED AS NEAR AS PRACTICAL TO ACCESSIBLE
- 12. WHEN ACCESSIBLE PARKING IS LOCATED SUCH THAT THE PATH OF TRAVEL FROM THE ACCESSIBLE PARKING SPACE(S) TO A BUILDING OR FACILITY REQUIRES A DISABLED PERSON TO TRAVEL INTO THE PUBLIC WAY. THE ENTIRE PATH OF TRAVEL, INCLUDING THAT PORTION IN THE
- PUBLIC WAY SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS, INCLUDING NOTE #17 13. WHEN SEPARATE PARKING AREAS SUCH AS COVERED AND UNCOVERED AREAS, NON-INTERCONNECTED PARKING AREAS OR LEVELS OR SEPARATE PARKING AREAS OR STRUCTURES, ARE PROVIDED ON A SITE, EACH PARKING AREA SHALL HAVE ACCESSIBLE
- 14. EACH PARKING SPACE RESERVED FOR THE DISABLED SHALL BE IDENTIFIED BY A PERMANENTLY AFFIXED REFLECTORIZED SIGN CONSTRUCTED OF PORCELAIN ON STEEL, BEADED TEXT, OR EQUAL, DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA AND SHALL BE CENTERED AT THE INTERIOR END O THE PARKING SPACE AT A MINIMUM HEIGHT OF 80 INCHES FROM THE BOTTOM OF THE SIGN TO THE HIGHEST ADJACENT FINISHED GRADE, OR CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE AT A MINIMUM HEIGHT THAT WILL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE. "VAN ACCESSIBLE" SIGN SHALL BE INSTALLED BELOW THE SYMBOL OF ACCESSIBILITY SIGN WHERE VAN PARKING OCCURS.
- 15. A SIGN SHALL ALSO BE POSTED, IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO THE OFF-STREET PARKING FACILITY, NOT LESS THAN 17 INCHES X 22 INCHES IN SIZE WITH LETTERING NOT LESS THAN 1 INCH IN HEIGHT, WHICH CLEARLY AND CONSPICUOUSLY STATES THE TOLLOWING. UNAUTHORIZED VEHICLES PARKED IN DESIGNATED DISABLED ACCESS ONLY PARKING SPACES AND NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR DISABLED. PERSONS MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED
- 16. IN ADDITION TO THE ABOVE SIGNAGE REQUIREMENTS, THE SURFACE OF EACH PARKING PLACE SHALL HAVE A SURFACE IDENTIFICATION SYMBOL DUPLICATING THE SYMBOL OF ACCESSIBILITY IN BLUE PAINT, AT LEAST 3 FOOT SQUARE.
- 17. IF A WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS, OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS 36" WIDE DETECTABLE WARNING BANDS CONSISTING OF RAISED TRUNCATED DOMES WITH A 0.9 INCH (23 MM)DIAMETER, HEIGHT OF 0.2 INCH (5 MM) AND 2.35 INCH (60 MM) O.C. AND SHALL BE OF A LIGHT VS. DARK COLOR CONTRAST.

### C. WALKS AND SIDEWALKS:

- 1. WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MINIMUM OF 48 INCHES IN WIDTH, WHEN CHANGES IN LEVEL DO OCCUR THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. (26 DEGREE MAX. BEVEL =
- 1:2 SLOPE). SEE TYPICAL ACCESSIBILITY DETAIL SHEET. 2. WALK AND SIDEWALK SURFACES SHALL BE SLIP-RESISTANT WITH A STATIC COEFFICIENT OF
- FRICTION OF 0.6, SEE RAMPS AND CURB RAMP NOTES FOR RAMP SURFACES. 3. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20
- HORIZONTAL (5% GRADIENT) IT SHALL COMPLY WITH THE PROVISIONS FOR PEDESTRIAN 4. SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT. 5 WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER
- POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS. GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH IN THE DIRECTION OF TRAFFIC FLOW.
- 6. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS.
- 7. WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60 INCHES X 60 INCHES AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN 54" WIDE BY 48" INCHES DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. SUCH WALKS SHALL EXTEND
- 24 INCHES TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE 8. ÄLL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN
- LENGTH AT INTERVALS EVERY 30" OF RISE AND AT EVERY 300 FEET OF LENGTH. 9. THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENINGS SHALL BE 48" MINIMUM.

## D. PEDESTRIAN RAMPS

- 20 FOOT HORIZONTAL RUN (5%) 2. PEDESTRIAN RAMPS SERVING ACCESSIBLE ENTRANCES TO BUILDINGS SHALL HAVE A CLEAR WIDTH
- NOT LESS THAN THE WIDTH REQUIRED FOR WALKS. 3. PEDESTRIAN RAMPS SERVING ACCESSIBLE ENTRANCES TO BUILDINGS SHALL BE A MINIMUM 48

1. ANY PATH OF TRAVEL SHALL BE CONSIDERED A RAMP IF ITS SLOPE IS GREATER THAN 1 FOOT RISE IN

- INCHES CLEAR WIDTH 4. PEDESTRIAN RAMPS SERVING ACCESSIBLE ENTRANCES TO BUILDINGS HAVING AN OCCUPANT LOAD OF 300 OR MORE SHALL HAVE A MINIMUM CLEAR WIDTH OF 60 INCHES.
- 5. PEDESTRIAN RAMPS SERVING ACCESSIBLE ENTRANCES TO BUILDINGS HOUSING GROUP R OCCUPANCIES MAY BE 36 INCHES CLEAR WIDTH WHEN THE OCCUPANT LOAD IS 50 OR LESS.
- 6. THE MAXIMUM SLOPE OF A RAMP THAT SERVES ANY EXIT WAY, PROVIDES DISABLED ACCESS OR IS IN THE PATH OF TRAVEL SHALL BE 1 FOOT RISE IN 12 FEET OF HORIZONTAL RUN. THE LEAST
- POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. 7. RAMP LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF EACH RAMP.
- 8. INTERMEDIATE LANDINGS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 30 INCHES OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION. LANDINGS ARE NOT CONSIDERED IN
- DETERMINING THE MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP. 9. TOP LANDINGS SHALL BE NOT LESS THAN 60 INCHES WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60 INCHES IN THE DIRECTION OF RAMP RUN.
- 10. DOORS IN ANY POSITION SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE RAMP LANDING TO LESS THAN 42 INCHES AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3-1/2 INCHES
- 11. THE WIDTH OF THE LANDING SHALL EXTEND 24 INCHES PAST THE STRIKE EDGE OF ANY DOOR OR
- GATE FOR EXTERIOR RAMPS AND 18 INCHES PAST THE STRIKE EDGE FOR INTERIOR RAMPS. 12. INTERMEDIATE LANDINGS AT A CHANGE OF DIRECTION AND BOTTOM LANDINGS SHALL HAVE A
- DIMENSION IN THE DIRECTION OF RAMP RUN OF NOT LESS THAN 72 INCHES. 13. AT BOTTOM AND INTERMEDIATE LANDINGS, THE WIDTH SHALL BE AT LEAST THE SAME AS REQUIRED
- FOR THE RAMPS. 14. OTHER INTERMEDIATE LANDINGS SHALL HAVE A DIMENSION IN THE DIRECTION OF RAMP RUN OF NOT
- LESS THAN 60 INCHES.
- 15. THE SLOPE ACROSS A RAMP LANDING IN ANY DIRECTION SHALL NOT EXCEED 1/4 INCH RISE IN 1 FOOT OF HORIZONTAL RUN.
- 16. HANDRAILS ARE REQUIRED ON RAMPS THAT PROVIDE DISABLED ACCESS, IF THE SLOPE EXCEEDS 1 FOOT RISE IN 20 FEET OF HORIZONTAL RUN.
- 17. HANDRAILS SHALL BE PLACED ON EACH SIDE OF EACH RAMP. HANDRAILS SHALL BE CONTINUOUS, THE FULL LENGTH OF THE RAMP. SHALL BE AT 34 INCHES ABOVE THE RAMP WITH A HORIZONTAL RAIL AT 27 ABOVE RAMP SURFACE WHEN INTERMEDIATE RAILING WITH MAX. OF 4" OF CLEAR SPACE IS NOT REQUIRED. LOW HORIZONTAL RAIL SHALL EXTEND SAME AS REQUIRED FOR HANDRAILS AND SHALI EXTEND A MIN. OF 1 FOOT BEYOND THE TOP AND BOTTOM OF THE RAMP, AND THE ENDS SHALL BE
- RETURNED TO A WALL, FLOOR, OR POST. 18. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2 INCHES BETWEEN THE WALL AND THE HANDRAIL.
- 19. THE GRIP PORTION OF THE HANDRAIL SHALL BE NOT LESS THAN 1 1/4 INCHES NOR MORE THAN 1 1/2 INCHES IN CROSS SECTIONAL OUTSIDE DIMENSION, OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE AND ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS. SEE TYPICAL ACCESSIBILITY DETAIL SHEET.
- 20. THE SURFACE ON RAMPS SHALL BE NON-SLIP MEETING A COEFFICIENT OF FRICTION OF 0.8.
- 21. WHEN THE RAMP SURFACE IS NOT BOUNDED BY A WALL OR FENCE AND THE RAMP EXCEEDS 10 FEET IN LENGTH, THE RAMP SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS: A. A GUIDE CURB A MINIMUM OF 2 INCHES IN HEIGHT SHALL BE PROVIDED AT EACH SIDE OF THE RAMP. EXCEPT WHEN ADJACENT GRADE IS 4" OR GREATER BELOW RAMP SURFACE, THEN CURB SHALL BE A MIN. 6" HIGH ABOVE RAMP SURFACE.

- B. A WHEEL GUIDE RAIL SHALL BE PROVIDED, CENTERED 3 INCHES PLUS OR MINUS 1 INCH ABOVE THE SURFACE ON THE RAMP. C. SEE NOTE #T-7 FOR ADDITIONAL INFORMATION.
- 22. WHERE A RAMP SURFACE HAS A SLOPE OF 1:20 (5%) OR GREATER AND THE ADJACENT GRADE IS GREATER THAN 4" BELOW THE RAMP SURFACE A CURB 6" HIGH ABOVE THE RAMP SURFACE SHALL BE PROVIDED ALONG SUCH OPEN SIDE OF RAMP SURFACE OR WHEEL GUIDE. SEE 21.B ABOVE.
- 23. WHERE AN ADJACENT GRADE IS 30" BELOW THE OPEN SIDE OF THE RAMP, A 42"-45" HIGH GUARDRAIL SHALL BE INSTALLED WITH INTERMEDIATE MEMBERS SO AN OBJECT OF 4" DIAMETER CAN NOT PASS THROUGH SUCH INTERMEDIATE MEMBERS.

#### E. CURB RAMPS

- CURB RAMPS SHALL BE CONSTRUCTED AT EACH CORNER OF STREET INTERSECTIONS, WHERE A PEDESTRIAN WAY CROSSES A CURB AND WHEN ACCESSIBLE ROUTE FROM ACCESSIBLE PARKING STALL
- CURB RAMPS SHALL BE A MINIMUM OF 4 FEET IN WIDTH AND SHALL LIE GENERALLY, IN A SINGLE SLOPED PLANE, WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE.
- 3. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. THE SLOPE OF THE FANNED OR FLARED SIDES OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 10 HORIZONTAL. CURB
- RAMP MAXIMUM RISE AND RUN SHALL BE 6" AND 6'-0", RESPECTIVELY. 4. A LEVEL LANDING 4 FEET DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE. OR THE SLOPE OF THE FANNED OR FLARED
- SIDES OF THE CURB RAMP SHALL NOT EXCEED ONE VERTICAL TO 12 HORIZONTAL. SEE NOTE C.6 ABOVE. 5. THE LOWER END OF EACH CURB RAMP SHALL HAVE A 1/2 INCH LIP BEVELED AT 1:2. SEE NOTE C.1 ABOVE.
- 6. THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE NON-SLIP MEETING A STATIC COEFFICIENT OF FRICTION OF 0.8 AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT
- 7. THE WALKING SURFACE OF EACH CURB RAMP SHALL HAVE DETECTABLE WARNING TILE PAVERS, INSTALLED ACROSS THE FULL WIDTH AND DEPTH OF THE SLOPED WALKING SURFACE. THE SURFACE OF THESE PAVERS SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE AND CONSIST OF RAISED TRUNCATED DOMES 0.9 INCHES (23 MM) DIAMETER, 0.2 (5 MM) HIGH AND 2.35 INCHES (60 MM)O.C., AS MANUFACTURED BY CROSSVILLE CERAMICS (714)639-1069 COLOR AS SELECTED BY ARCHITECT. SEE
- TYPICAL ACCESSIBILITY DETAILS SHEET. ALL CURB RAMPS SHALL HAVE A DETECTABLE WARNING BORDER 12 INCHES WIDE AT THE LEVEL SURFACE OF THE SIDEWALK ALONG THE TOP AND EACH SIDE OF THE RAMP. THIS BORDER SHALL CONSIST OF 1/4 INCH BY 1/4 INCH GROOVES APPROXIMATELY 3/4 INCH ON CENTER AND RUNNING PERPENDICULAR TO THE FLOW OF PEDESTRIAN TRAFFIC. SEE TYPICAL ACCESSIBILITY DETAILS SHEET.

#### F. ENTRANCES

- 1. AT LEASE ONE PRIMARY ENTRANCE (NOTE: SOME GOVERNING AGENCIES MAY DEFINE EXITS AS A BLDG. ENTRANCE) TO BUILDING AND FACILITIES SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED. QUANTITY OF ACCESSIBLE ENTRANCES, ALTHOUGH, SHALL BE AS REQUIRED BY THE GOVERNING
- 2. ALL DISABLED ACCESSIBLE ENTRANCES, SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS VISIBLE FROM APPROACHING PEDESTRIAN WAYS.
- 3. EVERY REQUIRED ENTRANCE, "EXIT", OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND NOT LESS THAN 6 FEET, 8 INCHES IN HEIGHT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32 INCHES.
- 4. WHERE A PAIR OF DOORS IS UTILIZED AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES
- 5. WHEN AN AUTOMATIC DOOR OPERATOR IS UTILIZED TO OPERATE A PAIR OF DOORS, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- 6. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES

- ABOVE THE FLOOR. 8. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH
- OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION. 9. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24 INCHES PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18 INCHES PAST THE STRIKE EDGE FOR
- INTERIOR DOORS, WHEN DOOR SWINGS IN DIRECTION OF TRAVEL AND THE DOOR HAS BOTH LATCH AND A CLOSER, 12" OF CLEARANCE SHALL BE PROVIDED AT THE DOOR STRIKE EDGE OPPOSITE OF THE DOOR
- 10. THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. 11. THE BOTTOM 10 INCHES OF ALL DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRIP OR HAZARDOUS
- CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10 INCH HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRIP OR HAZARDOUS CONDITION. SEE TYPICAL 12. NOT USED DETAIL SHEET.
- 13. THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENINGS IN A VESTIBULE, SERVING OTHER THAN A REQUIRED EXIT STAIRWAY SHALL PROVIDE A MINIMUM OF 48 INCHES OF CLEAR SPACE FROM ANY DOOR OPENING INTO SUCH VESTIBULE WHEN THE DOOR IS POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS. 14. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8 1/2 LBS. FOR EXTERIOR DOORS AND 5 LBS.

FOR INTERIOR DOORS SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLE TO HINGED DOORS

AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC

DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED UP TO 15 LBS. 15. WHERE TURNSTILES ARE UTILIZED IN A FACILITY FOR THE PURPOSE OF PROVIDING FULLY CONTROLLED ACCESS, A DOOR OR GATE THAT IS FULLY ACCESSIBLE TO THE PHYSICALLY DISABLED SHALL BE PROVIDED ADJACENT TO THE TURNSTILE OR REVOLVING DOOR AND SHALL BE SO DESIGNED TO FACILITATE THE SAME

## **G. FLOORS AND LEVELS**

- IN BUILDINGS AND FACILITIES, FLOORS OF ANY GIVEN SPACE SHALL HAVE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS AND/OR, WHEN ALLOWED, SPECIAL ACCESS LIFTS. 2. FLOORS ARE TO BE SLIP RESISTANT.
- 3. SEE "THRESHOLD/LEVEL CHANGES" DETAIL ON TYPICAL ACCESSIBILITY DETAIL SHEET.

## SEE NOTE #T-7 FOR ADDITIONAL INFORMATION.

H. CORRIDORS AND AISLES

1. EVERY CORRIDOR SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NOT LESS IN WIDTH THAN 44

- 2. CORRIDORS THAT EXCEED 200 FEET IN LENGTH SHALL: A. HAVE A MINIMUM CLEAR WIDTH OF 60 INCHES, OR,
- B. HAVE, AT A CENTRAL LOCATION, A 60 INCH X 60 INCH MINIMUM WHEELCHAIR TURNING SPACE OR
- C. HAVE, AT A CENTRAL LOCATION, AN INTERVENING CROSS OR TEE CORRIDOR, A MINIMUM OF 44 INCHES IN WIDTH: OR.

## D. HAVE, AT A CENTRAL LOCATION, AN OPERABLE DOOR.

## I. STAIRWAYS

- 1. STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE, AND EVERY STAIRWAY REQUIRED TO BE MORE THAN 88 INCHES IN WIDTH SHALL BE PROVIDED WITH NOT LESS THAN ONE INTERMEDIATE HANDRAIL FOR EACH 88 INCHES OF REQUIRED WIDTH. INTERMEDIATE HANDRAILS SHALL BE SPACED APPROXIMATELY EQUAL WITHIN THE ENTIRE WIDTH OF THE STAIRWAY.
- 2. HANDRAILS SHALL BE LOCATED AT 34 INCHES ABOVE THE NOSING OF THE TREADS.
- 3. HANDRAILS SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE TOP NOSING AND 12 INCHES PLUS THE TREAD WIDTH BEYOND THE BOTTOM NOSING
- 4. WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF THE STAIR RUN WOULD CREATE A HAZARD, THE EXTENSION SHALL BE MADE AT RIGHT ANGLES, ON THE FACE OF A RETURNING WALL. WHERE THE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER RAIL SHALL BE CONTINUOUS AND NEED NOT EXTEND OUT INTO THE LANDING.
- 5. ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. 6. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2 INCH BETWEEN THE WALL AND THE HANDRAIL.
- 7. THE HANDGRIP PORTION OF HANDRAILS SHALL BE 1 1/2" OUTSIDE DIAMETER IN CROSS-SECTIONAL DIMENSION OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE AND SHALL HAVE A SMOOTH SURFACE WITH NO SHARP CORNERS.

OF A MATERIAL THAT IS NON-SLIP MEETING A STATIC COEFFICIENT OF FRICTION OF 0.8.

- 8. THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2 INCHES WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP OR LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP SHALL BE
- . WHERE STAIRWAYS OCCUR OUTSIDE A BUILDING. THE UPPER APPROACH AND ALL TREADS SHALL BI MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2 INCHES WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP OR LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP SHALL BE OF A MATERIAL THAT IS NON-SLIP.
- 10. ALL EXTERIOR TREAD SURFACES SHALL BE NON-SLIP, DESIGNED SO AS WATER DOES NOT ACCUMULATE. MEETING A STATIC COEFFICIENT OF FRICTION OF 0.8.

- 11. TREADS SHALL HAVE SMOOTH, ROUNDED OR ANGLED NOSE.
- 12. NOSING SHALL NOT PROJECT MORE THAN 1 1/2 INCH PAST THE FACE OF THE RISER BELOW.
- RISERS SHALL BE CLOSED

STAIRWAYS SHOULD BE USED.

- 14. STAIRWAY IDENTIFICATION (PICTOGRAMS/SIGNS) SHALL BE INSTALLED AT EACH FLOOR LEVEL WHEN BUILDING IS OVER TWO STORIES IN HEIGHT. SEE "SIGNS/PICTOGRAMS" DETAIL ON TYPICAL ACCESSIBILITY DETAIL SHEET.
- 1. PASSENGER ELEVATORS SERVING AN OCCUPANT LOAD OF MORE THAN 50 SHALL HAVE A MINIMUM INSIDE CAR PLATFORM OF 5 FEET 8 INCHES WIDE X 4 FEET 3 INCHES DEEP FROM REAR WALL TO SIDE RETURN PANEL AND 4'-6" FROM REAR WALL TO DOOR, DOORS SHALL BE 3 FEET CLEAR, SIDE SLIDE TYPE 80" MIN. INSIDE CAB WIDTH WHEN CENTERED DOOR. AT LEAST ONE CAR SHALL BE SIZED TO 6'-8" WIDE X 4'-3" MIN. INSIDE DIMENSIONS WITH A 42" DOOR TO ACCOMMODATE AMBULANCE TYPE STRETCHER. 76" X 24" HORIZONTAL POSITION. AS REQUIRED BY THE STATE FIRE MARSHAL. SUCH MEDICAL EMERGENCY ELEVATOR SHALL BE IDENTIFIED WITH THE INTERNATIONAL "STAR OF LIFE" SYMBOL. 3" SQUARE AND
- PERMANENTLY ATTACHED TO THE HOISTWAY DOOR FRAME AT HEIGHT BETWEEN +6'-6" AND +7'-7" AND INSTALLED TO BE VISIBLE AT ANGLES FROM THE HALLWAY OR LANDING AREA. EXCEPT AT MAIN ENTRANCE, LEVEL A PICTOGRAM SHALL BE POSTED ADJACENT TO EACH ELEVATOR CAL STATION WHICH WILL INDICATE THAT, IN CASE OF FIRE, THE ELEVATOR WILL NOT OPERATE AND THAT EXIT
- 4. PASSENGER ELEVATORS SHALL BE PROVIDED WITH ONE HANDRAIL, OF 1 1/2" DIAMETER, LOCATED 2'-8" ABOVE THE CAR PLATFORM.
- 5. ELEVATOR FLOOR BUTTONS SHALL BE WITHIN 4 FEET 6 INCHES ON THE CAR FLOOR FOR SIDE APPROACH AND 4 FEET FOR FRONT APPROACH.
- EMERGENCY STOP AND ALARM SHALL BE GROUPED IN OR ADJACENT TO THE BOTTOM OF THE PANEL AND SHALL BE NO LOWER THAN 2 FEET 11 INCHES FROM THE FLOOR. FOR MULTIPLE CONTROLS ONLY ONE SET MUST COMPLY WITH THESE HEIGHT REQUIREMENTS. 7. THE EMERGENCY TELEPHONE HANDSET SHALL BE POSITIONED NO HIGHER THAN 4 FEET ABOVE THE FLOOR, AND THE HANDSET CORD SHALL BE A MINIMUM OF 2 FEET 5 INCHES IN LENGTH. IT SHALL BE

IDENTIFIED WITH A PICTOGRAM ADJACENT TO THE DEVICE. SEE SIGNS/PICTOGRAM DETAIL, TYPICAL

DOOR HARDWARE SHALL BE OPERABLE BY ONE HAND AND SHALL NOT REQUIRE PINCHING. TIGHT

ACCESSIBILITY DETAIL SHEET. IF SYSTEM IS LOCATED IN A CLOSED COMPARTMENT, THE COMPARTMENT

6. EXCEPT FOR PHOTO-ELECTRIC TUBE BY-PASS SWITCHES, EMERGENCY CONTROLS INCLUDING THE

- GRASPING. OR TRISTING OF THE WRIST WITH FORCE ACTIVATION AT LESS THAN 5 LBS. SUCH COMPARTMENT SHALL BE IDENTIFIED BY A PICTOGRAM THE EMERGENCY TELECOMMUNICATION SYSTEM SHALL NOT REQUIRE VOICE COMMUNICATIONS. SYSTEM SHALL HAVE AN AUTOMATIC BACK-UP POWER SOURCE CAPABLE OF PROVIDING OPERATIONS FOR 2 HOURS, OR AS REQUIRED BY THE GOVERNING 8. PASSENGER ELEVATOR CAR CONTROLS SHALL HAVE A MINIMUM DIMENSION OF 3/4 INCH AND SHALL BE RAISED A MINIMUM OF 1/8 INCH. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY A 5/8 INCH MINIMUM ARABIC NUMERALS. STANDARD ALPHABET CHARACTER. OR STANDARD SYMBOL AND A BRAILLE SYMBO LOCATED IMMEDIATELY TO THE LEFT OF THE CONTROL BUTTON. MINIMUM 3/8" OR OTHER SUITABLE MEANS OF SEPARATION SHALL BE PROVIDED BETWEEN ROWS OF CONTROL BUTTONS. A VISUAL CAR POSITION INDICATOR SHALL BE PROVIDED ABOVE THE CAR CONTROL PANEL OR OVER THE DOOR TO SHOW CAR
- NUMERALS SHALL BE 1/2" MINIMUM HIGH. AUDIBLE SIGNAL SHALL BE NO LESS THAN 20 DECIBEL AT 1500 HZ. MAXIMUM. A VERBAL ANNOUNCEMENT IS AN ACCEPTABLE SUBSTITUTE 9. THE RAISED CHARACTERS SHALL BE ON A CONTRASTING BACKGROUND. CONTROLS AND EMERGENCY EQUIPMENT IDENTIFIED BY RAISED SYMBOLS SHALL INCLUDE, BUT NOT BE LIMITED TO, DOOR OPEN, DOOR CLOSE, ALARM BELL, EMERGENCY STOP, AND TELEPHONE. MAIN FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION.

POSITION IN THE HOISTWAY. AS THE CAR PASSES THROUGH OR STOPS AT A FLOOR SERVED BY THE

ELEVATORS, THE CORRESPONDING NUMBERS SHALL ILLUMINATE AND AN AUDIBLE SIGNAL SHALL SOUND

- 10. PASSENGER ELEVATOR LANDING JAMBS ON ALL ELEVATOR FLOORS SHALL HAVE THE NUMBER OF THE FLOOR ON WHICH THE JAMB IS LOCATED DESIGNATED BY RAISED ARABIC NUMERALS WHICH ARE A MINIMUM OF 2 INCH IN HEIGHT AND RAISED BRAILLE SYMBOLS LOCATED 5 FEET ABOVE THE FLOOR ON THE JAMB PANELS ON BOTH SIDES OF THE DOOR SO THAT THEY ARE VISIBLE FROM WITHIN THE ELEVATOR. RAISED BRAILLE SYMBOLS SHALL BE PLACED DIRECTLY TO THE LEFT OF THE CORRESPONDING RAISED
- ARABIC NUMERALS. THE RAISED CHARACTERS SHALL BE ON A CONTRASTING BACKGROUND. 11. CALL OPERATION BUTTONS SHALL BE WITHIN 3 FEET 6 INCHES OF THE FLOOR. BUTTONS SHALL BE A MINIMUM OF 3/4 INCH IN SIZE AND SHALL BE RAISED A MINIMUM OF 1/8 INCH. VISUAL INDICATION SHALL BE PROVIDED TO SHOW EACH CALL REGISTERED AND EXTINGUISHED WHEN ANSWERED. CONTROLS SHALL BE LOCATED ON FRONT WALL IF "CENTER OPENING" DOORS AND ON SIDE OR FRONT WALLS IF "SIDE OPENING

13. THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL UNTIL THE

- 12. THE MINIMUM TIME FOR ELEVATOR DOORS TO REMAIN FULLY OPEN IN RESPONSE TO A CAR CALL SHALL BE
- DOOR OF THAT CAR STARTS TO CLOSE SHALL BE 5 SECONDS. 14. FLOOR NUMBERS OF 4" OR MORE IN HEIGHT SHALL BE LOCATED ON THE WALLS OR DOORS OF EACH
- HOISTWAY AT INTERVALS SUCH THAT A PERSON IN A STALLED ELEVATOR, UPON OPENING THE CAR DOOR CAN DETERMINE THE FLOOR POSITION 15. ILLUMINATION LEVEL AT CAR CONTROLS, PLATFORM AND CAR THRESHOLD SHALL BE A MINIMUM OF 5 FOOT
- 16. CAR FLOOR SURFACE SHALL BE NON-SLIP, HARD SURFACE WHICH PERMITS WHEELCHAIRS TO MOVE
- 17. STANDBY POWER SHALL BE PROVIDED FOR BUILDINGS OVER ONE STOREY AND TO AT LEAST ONE
- ELEVATOR CAPABLE OF PROVIDING OPERATION FOR TWO HOURS OR AS REQUIRED BY THE GOVERNING 18. ELEVATORS SHALL COMPLY WITH APPLICABLE CODES, LAWS, AND ORDINANCES
- 19. A VISUAL AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE INDICATING TO THE PROSPECTIVE PASSENGER THE CAR ANSWERING THE CALL AND ITS DIRECTION OF TRAVEL AS FOLLOWS:

24. CAR SHALL BE AUTOMATIC, SELF-LEVELING WITH 1/2" MAXIMUM TOLERANCE.

A. A MINIMUM OF 72 INCHES IN HEIGHT FROM THE LOBBY FLOOR. B. A MINIMUM OF 2 1/2 INCHES HIGH X 2 1/2 INCHES WIDE

VERBAL ANNUNCIATORS THAT SAY "UP" AND "DOWN".

- C. VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTON. D. OF A CONFIGURATION WHICH DISTINGUISHES BETWEEN UP AND DOWN ELEVATOR TRAVEL. AUDIBLE SIGNALS SHALL SOUND "ONCE" FOR UP DIRECTION AND DOWN "TWICE FOR DOWN" DIRECTION OR HAVE
- E. THE USE OF IN-CAR LANTERNS, LOCATED ON THE CAR DOOR JAMBS, VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTONS AND CONFORMING TO THE ABOVE REQUIREMENTS WILL BE ACCEPTABLE. F. THE USE OF ARROW SHAPES ARE PREFERRED FOR VISIBLE SIGNALS. 20. PASSENGER ELEVATORS SHALL BE LOCATED NEAR A MAJOR PATH OF TRAVEL AND PROVISIONS SHALL BE
- MADE TO ASSURE THAT THEY REMAIN ACCESSIBLE AND USABLE AT ALL TIMES THE BUILDING IS OCCUPIED. 21. EACH ELEVATOR CAR SHALL HAVE A HIGH RECESSED AREA OR MOVEABLE CEILING WHICH WILL MAKE POSSIBLE THE CARRYING OF A 9 FOOT HIGH LADDER. 22. CAR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY AND BE PROVIDED WITH DOOR PROTECTIVE AND
- REOPENING DEVICE AND SHALL BE ACTIVATED BY AN OBJECT AT +5" TO 29" ABOVE FINISH FLOOR. 23. OPERATION OF ELEVATORS UNDER FIRE OR OTHER EMERGENCY CONDITIONS SHALL BE AS REQUIRED BY THE GOVERNING AGENCIES.
- K. SANITARY FACILITIES (GENERAL) 1. WHEN SANITARY FACILITIES ARE LOCATED ON ACCESSIBLE FLOORS OF A BUILDING, THEY SHALL BE MADE
- ACCESSIBLE TO THE PHYSICALLY DISABLED. WHERE SEPARATE FACILITIES ARE PROVIDED FOR NON-DISABLED PERSONS OF EACH SEX, SEPARATE FACILITIES SHALL BE PROVIDED FOR DISABLED PERSONS OF EACH SEX ALSO. WHERE UNISEX FACILITIES ARE PROVIDED FOR NON-DISABLED PERSONS, SUCH UNISEX FACILITIES SHALL BE PROVIDED FOR THE
- 3. ALL DOORWAYS LEADING TO SANITARY FACILITIES SHALL HAVE 32 INCH CLEAR UNOBSTRUCTED 4 ON DOORWAYS LEADING TO MEN'S SANITARY FACILITIES. AN EQUILATERAL TRIANGLE 1/4 INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD SHALL BE PROVIDED AND ON DOORWAYS LEADING TO WOMEN'S SANITARY FACILITIES A CIRCLE 1/4 INCH THICK AND 12 INCHES IN DIAMETER SHAL
- BE PROVIDED. THESE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60 INCHES AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. PROVIDE PICTOGRAM ON THE WALL ADJACENT TO THE DOOR LATCH SIDE AS NOTED IN THE "SIGNS/PICTOGRAMS" DETAIL ON DOORWAYS LEADING TO UNISEX SANITARY FACILITIES, AN EQUILATERAL TRIANGLE MOUNTED ON A 12" DIAMETER CIRCLE SHALL BE PROVIDED, EACH 1/4" THICK, LOCATED AS NOTED IN NOTE #4 ABOVE.
- PROVIDE UNISEX PICTOGRAM AS NOTED IN NOTE #4 ABOVE. L. SINGLE ACCOMMODATION TOILET FACILITIES (WHERE INDICATED)
- 1. THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30 INCHES
- WIDE BY 48 INCHES LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. 2. THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A MIN. OF 28 INCH WIDE CLEAR SPACE BETWEEN THE WATER CLOSET'S FURTHEST MOST PROTRUDING EDGE AND AN ADJACENT FIXTURE OR A 32 INCH WIDE CLEAR SPACE BETWEEN THE WATER CLOSET'S FURTHEST MOST PROTRUDING EDGE AND AN ADJACENT WALL AT ONE SIDE AND 48 INCHES OF CLEAR SPACE IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS AN END OPENING DOOR (FACING THE WATER CLOSET). A 60 INCH MINIMUM LENGTH CLEAR SPACE SHALL BE PROVIDED IN AN ACCESSIBLE COMPARTMENT WHEN THE DOOR IS LOCATED AT THE SIDE OF THE TOILET STALL COMPARTMENT. GRAB BARS SHALL NOT PROJECT MORE THAN 3 INCHES INTO THE CLEAR SPACES AS SPECIFIED ABOVE
- TURNAROUND CLEAR SPACE OF 60" DIAMETER SHALL BE PROVIDED WITHIN THE TOILET ROOM. 4. PROVIDE IDENTIFICATION SYMBOLS ON DOOR AND WALL. SEE "SIGNS/PICTOGRAMS" DETAIL AND TYPICAL TENANT IMPROVEMENT DRAWINGS.

## M. MULTIPLE ACCOMMODATION TOILET FACILITIES (WHERE

THIS SPACE BY NOT MORE THAN 12 INCHES.

- 1. A CLEAR SPACE MEASURED FROM THE FLOOR TO A HEIGHT OF 27 INCHES ABOVE THE FLOOR, WITHIN THE SANITARY FACILITY ROOM, OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 60 INCHES, OR A CLEAR SPACE NOT LESS THAN 56 INCHES X 63 INCHES IN SIZE SHALL BE PROVIDED, DOORS OTHER THAN THE DOOR TO THE DISABLED TOILET COMPARTMENT IN ANY POSITION MAY ENCROACH INTO
- A WATER CLOSET FIXTURE LOCATED IN AN ACCESSIBLE COMPARTMENT SHALL PROVIDE A MIN. OF 28 INCH WIDE CLEAR SPACE BETWEEN THE FURTHEST MOST PROTRUDING EDGE OF THE WATER CLOSET AND THE ADJACENT FIXTURE OR A 32 INCH WIDE CLEAR SPACE BETWEEN THE FURTHEST MOST PROTRUDING EDG OF THE WATER CLOSET AND AN ADJACENT WALL AND A 48 INCH LONG CLEAR SPACE IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS AN EN OPENING DOOR (FACING THE WATER CLOSET). A 60 INCH MINIMUM LENGTH CLEAR SPACE IN FRONT OF THE TOILET CLOSET SHALL BE PROVIDED IN AN ACCESSIBLE COMPARTMENT WHEN THE DOOR IS LOCATED AT THE SIDE OF THE TOILET STALL COMPARTMENT. GRAB BARS SHALL NOT PROJECT MORE THAN 3 INCHES INTO THE CLEAR SPACES AS SPECIFIED ABOVE.

- 3. ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC OSING DEVICE, AND SHALL HAVE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- 4. EXCEPT FOR DOOR OPENING WIDTHS AND DOOR SWINGS, A CLEAR UNOBSTRUCTED ACCESS NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE ACCESSIBLE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY THE DISABLED. THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL BE NOT LESS THAN 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE COMPARTMENT DOOR IN ITS CLOSED POSITION. ACCESS TO WATER CLOSET COMPARTMENTS SHALL BE 48 " MINIMUM WHEN APPROACH IS NOT FROM LATCH SIDE OF COMPARTMENT DOOR. 5. TURNAROUND CLEAR SPACE OF 60" DIAMETER SHALL BE PROVIDED WITHIN THE TOILET ROOM.

#### N. TOILET ROOM FIXTURES AND ACCESSORIES

INCHES LONG IN FRONT OF THE URINAL.

- 1. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17 INCHES AND A MAXIMUM OF 19 INCHES MEASURED TO THE TOP OF THE TOILET SEAT.
- 2. PROVIDE 18 INCHES FROM THE CENTERLINE OF THE WATER CLOSET TO THE ADJACENT WALL. 3. TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE
- MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. 4. WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR SPACE 30 INCHES WIDE X 48
- 5. WHERE URINALS ARE PROVIDED, AT LEAST ONE WITH A RIM PROJECTING A MINIMUM OF 14 INCHES FROM THE WALL AND A MAXIMUM OF 17 INCHES ABOVE THE FLOOR SHALL BE PROVIDED. 6. URINAL FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT

GRASPING, PINCHING OR TWISTING OF THE WRIST AND SHALL BE MOUNTED NO MORE THAN 44 INCHES

- ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 7. A CLEAR FLOOR SPACE 30 INCHES WIDE X 48 INCHES LONG SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH, SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN
- ACCESSIBLE ROUTE AND SHALL EXTEND INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY 8. LAVATORIES SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 29 INCHES FROM THE FLOOR TO THE BOTTOM OF THE APRON WITH KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30 INCHES IN WIDTH WITH 8 INCHES MINIMUM DEPTH AT THE TOP. TOE CLEARANCE SHALL BE THE SAME WIDTH AND SHALL BE A MINIMUM OF 9 INCHES HIGH FROM THE FLOOR AND A MINIMUM OF 17 INCHES DEEP FROM THE
- 9. A PROJECTION OF A LAVATORY BOWL INTO THE 8 INCH CLEAR SPACE, THEREBY REDUCING THE CLEAR HEIGHT BELOW THE LAVATORY TO NO LESS THAN 27 INCHES AT 8 INCHES BACK FROM THE APRON. MEETS THE REQUIREMENT FOR PROVIDING KNEE CLEARANCE. THE MAXIMUM HEIGHT OF 34 INCHES SHALL BE MAINTAINED TO THE TOP OF THE COUNTERTOP OR LAVATORY BOWL RIM IF THE LAVATORY IS A DROP-IN
- MODEL. WHICHEVER IS HIGHER. 10. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES 11. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER-OPERATED, PUSH-TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE
- ALLOWED, IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. 12. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM OF THE MIRROR'S REFLECTIVE SURFACE AT NOT MORE THAN
- 13. LOCATE TOWEL, SANITARY NAPKIN, AND WASTE RECEPTACLES WITH ALL OPERABLE PARTS NOT MORE THAN
- 14. LOCATE TOILET TISSUE DISPENSERS ON THE WALL WITHIN 12 INCHES OF THE FRONT EDGE OF THE TOILET SEAT. CONTINUOUS ROLL DISPENSER IS REQUIRED.

### LB. PER LINEAR FOOT LOAD.

O. GRAB BARS GRAB BARS SHALL BE LOCATED ON EACH SIDE. OR ONE SIDE AND THE BACK OF THE ACCESSIBLE TOILE STALL OR COMPARTMENT AND SHALL BE SECURELY ATTACHED 33 INCHES ABOVE AND PARALLEL TO THE FLOOR. SEE NOTE #8 BELOW FOR ADDITIONAL INFORMATION.

15. GRAB BARS, TUB AND SHOWER SEATS, FASTENERS AND MOUNTING DEVICES SHALL BE DESIGNED FOR 250

- 2. GRAB BARS AT THE SIDE SHALL BE AT LEAST 42 INCHES LONG WITH THE FRONT END POSITIONED 24 INCHES IN FRONT OF THE WATER CLOSET STOOL, AND GRAB BARS AT THE BACK SHALL BE NOT LESS THAN 36 INCHES
- GRIPPING SURFACE OF A GRAB BAR SHALL BE 1 1/4 INCHES TO 1 1/2 INCHES OR THE 4. IF THE GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1 1/2 INCHES.

3. THE OUTSIDE DIAMETER OR WIDTH OF THE GRIPPING SURFACES SHAPE SHALL PROVIDE AN EQUIVALENT

- 5. A GRAB BAR ON ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE 6. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- 7. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.

## 8. WHERE TANK TYPE WATER CLOSETS ARE USED, GRAB BARS MAY BE INSTALLED AT +36" A.F.F.

P. DRINKING FOUNTAINS (WHERE INDICATED) 1. WHERE WATER FOUNTAINS ARE PROVIDED, THEY SHALL COMPLY WITH DISABLED ACCESS REQUIREMENTS SEE TYPICAL ACCESSIBILITY DETAILS SHEET 2. WATER FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE ALCOVE IN WHICH THE WATER FOUNTAIN IS LOCATED SHALL BE OF NOT LESS THAN A MIN. OF 32" CLEAR FOR SINGLE DRINKING FOUNTAINS AND 63" MIN. CLEAF FOR DOUBLE DRINKING FOUNTAINS AND NOT TO EXCEED, BUT TO BE EQUAL TO, THE FOUNTAIN DEPTH.

CONTRACTOR SHALL COORDINATE ALCOVE SIZE TO BE IN COMPLIANCE WITH CODE REQUIREMENTS AND

- MANUFACTURER'S RECOMMENDATIONS. 3. THE DRINKING FOUNTAIN SHALL BE A MINIMUM OF 18 INCHES IN DEPTH AND THERE SHALL BE CLEAR AND UNOBSTRUCTED KNEE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27 INCHES IN HEIGHT AND 8 INCHES IN DEPTH. THE DEPTH NOT APPLICABLE MEASUREMENT BEING TAKEN FROM THE FRONT EDGE OF THE FOUNTAIN. ADDITIONALLY, THERE SHALL BE TOE CLEARANCE OF 9 INCHES IN HEIGHT ABOVE THE FLOOR, AND 17 INCHES IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN. A SIDE APPROACH DRINKING FOUNTAIN IS NOT ACCEPTABLE.
- 4. THE BUBBLER SHALL BE ACTIVATED BY A CONTROL WHICH IS EASILY OPERATED BY A DISABLED PERSON SUCH AS A HAND- OPERATED LEVER TYPE CONTROL LOCATED WITHIN 6 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN, ETC. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED SUCH THAT THE FLOW OF WATER IS WITHIN 3 INCHES OF THE FRONT EDGE OF THE DRINKING FOUNTAIN AND SHALL BE NO MORE HAN 33" FROM THE FLOOR. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE DRINKING FOUNTAIN.
  5. THE SURFACE OF THE PATH OF TRAVEL AT THE WATER FOUNTAIN SHALL BE TEXTURED AND OF

CONTRASTING COLOR TO THE ADJACENT WALKING SURFACE AND WHEN FOUNTAIN IS AT INTERIOR

#### LOCATION THE TEXTURED AREA SHALL BE OF DIFFERENT RESILIENCY THAN THE ADJACENT WALKING SURFACE. THE TEXTURED AREA SHALL EXTEND BEYOND THE FRONT AND BACK SIDE OF THE WATER

- Q. TELEPHONES: (WHERE INDICATED) 1. IF PUBLIC TELEPHONES ARE PROVIDED THEY SHALL COMPLY WITH DISABLED ACCESS REQUIREMENTS. SEE
- TYPICAL ACCESSIBILITY DETAIL SHEET 2. PROVIDE A 30 INCHES X 48 INCHES CLEAR SPACE AT TELEPHONE. THE CLEAR SPACE MAY INCLUDE KNEE SPACE UNDER THE TELEPHONE.
- 3. THE HIGHEST OPERABLE PART OF THE TELEPHONE SHALL BE WITHIN 48 INCHES OF THE FLOOR IF FORWARD APPROACHED AND 54 INCHES IF SIDE APPROACHED.
- 4. TELEPHONES MOUNTED DIAGONALLY IN A CORNER REQUIRING WHEELCHAIR USERS TO REACH DIAGONALLY SHALL HAVE THE HIGHEST OPERABLE PART NO HIGHER THAN 46 INCHES ABOVE THE FLOOR.
- 5. ENTRANCES TO FULL-HEIGHT ENCLOSURES SHALL BE 30 INCHES WIDE, MINIMUM. 6. FRONTAL APPROACH TELEPHONES REQUIRE A 30 INCH CLEAR WIDTH ENCLOSURE IF OVERHANG EXCEEDS 12
- INCHES. IF THE CLEAR WIDTH OF THE ENCLOSURE IS LESS THAN 30 INCHES THE LOWEST OVERHANG PART IS TO BE A MAXIMUM OF 27 INCHES FROM THE FLOOR.
- 7. SIDE APPROACH TELEPHONES REQUIRE THAT THE ENCLOSURE OVERHANG BE NO MORE THAN 19 INCHES AND BE AT LEAST 27 INCHES FROM THE FLOOR.
- 8. THE CORD FROM THE TELEPHONE TO THE HANDSET SHALL BE AT LEAST 29 INCHES LONG. 9. TELEPHONES SHALL BE EQUIPPED WITH A RECEIVER THAT GENERATES A MAGNETIC FIELD IN THE AREA OF
- THE RECEIVER CAP. IF BANKS OF PUBLIC TELEPHONES ARE PROVIDED, THEN ALL ACCESSIBLE TELEPHONES, BUT ALWAYS AT LEAST ONE, IN A BUILDING OR FACILITY SHALL BE EQUIPPED WITH A VOLUME CONTROL AND SHALL BE IDENTIFIED BY A SIGN OF A TELEPHONE HANDSET WITH RADIATING SOUND WAVE.

#### 10. TELEPHONES SHALL HAVE PUSH-BUTTON CONTROLS WHERE SERVICE FOR SUCH EQUIPMENT IS AVAILABLE. 11. SEE ADDITIONAL REQUIREMENTS FROM SECTIONS T, U, & W BELOW.

SURFACE AS MEASURED TO THE BOTTOM OF THE OBSTRUCTION.

- R. HAZARDS AND PROTRUDING OBJECTS 1. OBJECTS PROJECTING FROM WALLS (FOR EXAMPLE, TELEPHONES) WITH THEIR LEADING EDGES BETWEEN 27 INCHES AND 80 INCHES ABOVE THE FINISHED FLOOR SHALL PROJECT NO MORE THAN 4 INCHES INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS OR AISLES
- 3. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12 INCHES MAXIMUM FROM 27 INCHES TO 80 INCHES ABOVE THE GROUND OR FINISHED FLOOR.

2. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27 INCHES ABOVE THE FINISHED FLOOR

- 4. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING 5. ANY OBSTRUCTION OVERHANGING A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80 INCHES ABOVE THE WALKING
- 7. ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS, LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS, OR OTHER PEDESTRIAN WAYS SHALL BE IDENTIFIED BY CURBS PROJECTING AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP- OFF WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED NO CURB IS REQUIRED IF A GUIDE RAIL IS PROVIDED CENTERED 3 INCHES PLUS OR MINUS ONE INCH ABOVE THE SURFACE OF THE WALK OR SIDEWALK AND, THE WALK IS 4.9 PERCENT OR LESS GRADIENT OR NO ADJACENT HAZARD EXISTS

6. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACES SHALL HAVE 80

8. WALL SURFACES ADJACENT TO HANDRAILS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. (I.E., NO

#### S. CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS

- 1. THE MINIMUM CLEAR FLOOR OR GROUND SPACE REQUIRED TO ACCOMMODATE A SINGLE, STATIONARY WHEELCHAIR AND OCCUPANT IS 30 INCHES X 48 INCHES. THE MINIMUM CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE POSITIONED FOR FORWARD OR PARALLEL APPROACH TO AN OBJECT. UNLES: NOTED OTHERWISE. CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE PART OF THE KNEE SPACE REQUIRED UNDER SOME OBJECTS.
- 2. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE FOR A WHEELCHAIR SHALL ADJOIN OR OVERLAP, AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER WHEELCHAIR CLEAR FLOOR SPACE. IF A CLEAR FLOOR SPACE IS LOCATED IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR APART OF THREE SIDES. ADDITIONAL MANEUVERING CLEARANCES SHALL BE PROVIDED.
- 3. PROVIDE AN ADDITIONAL 12 INCH WIDTH ON ONE SIDE FOR ALCOVES GREATER THAN 15 INCHES DEEP AND DESIGNED FOR FRONTAL APPROACH, EXCEPT AT DRINKING FOUNTAIN ALCOVES WHICH MAY BE A MAXIMUM OF 24" DEEP BEFORE REQUIRING THE ADDITIONAL 12" CLEAR WIDTH.
- 4. PROVIDE AN ADDITIONAL 6 INCHES WIDTH ON ONE SIDE FOR ALCOVES GREATER THAN 24 INCHES DEEP AND DESIGNED FOR FRONTAL APPROACH. 5. IF THE CLEAR FLOOR SPACE ONLY ALLOWS FORWARD APPROACH TO AN OBJECT, THE MAXIMUM HIGH
- FORWARD REACH ALLOWED SHALL BE 48 INCHES AND THE LOW SIDE REACH SHALL BE NO LESS THAN 15 INCHES ABOVE THE FLOOR. IF THE HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE HORIZONTAL DIMENSION OF THE OBSTRUCTION SHALL BE LESS THAN 25 INCHES. THE MAXIMUM HIGH FORWARD REACH ALLOWED SHALL THEN BE 44 INCHES WHEN THE HORIZONTAL DIMENSION OF THE OBSTRUCTION IS BETWEEN 6. IF THE CLEAR FLOOR SPACE ALLOWS PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HIGH SIDE REACH ALLOWED SHALL BE 54 INCHES AND THE LOW SIDE REACH SHALL BE NO LESS THAN 9 INCHES ABOVE THE FLOOR. SIDE REACH IS ALLOWED OVER AN OBSTRUCTION PROVIDED THE HORIZONTAL

#### DIMENSION OF THE OBSTRUCTION DOES NOT EXCEED 24 INCHES AND MAXIMUM HIGH REACH OVER A 24 INCH OBSTRUCTION SHALL THEN BE 46 INCHES.

T. ADDITIONAL REQUIREMENTS

1 OR MORE SINGLE UNIT

- 1. THE CENTER OF RECEPTACLE OUTLETS SHALL BE NOT LESS THAN 18 INCHES ABOVE THE FLOOR OR
- 2. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE NOT LESS THAN 30" NOR MORE THAN 44" ABOVE
- THE FLOOR OR WORKING PLATFORM. 3. THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 44 INCHES ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE OR SIDEWALK.
- 4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY DISABLED PERSONS AS SET FORTH IN THE GOVERNING AGENCIES ACCESSIBILITY STANDARDS. THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD #595A. SEE "SIGNS /

5. PUBLIC TELEPHONES: (A) IF PUBLIC PAY TELEPHONES, PUBLIC CLOSED CIRCUIT TELEPHONES, OR OTHER PUBLIC TELEPHONES ARE PROVIDED, THEN THEY SHALL COMPLY TO THE EXTENT REQUIRED BY THE NUMBER OF EACH TYPE OF TELEPHONE PROVIDED NUMBER OF TELEPHONES REQUIRED TO COMPLY (1) ON EACH FLOOR

1 PER BANK, ACCESSIBLE UNIT MAY BE INSTALLED AS A 2 OR MORE BANKS SINGLE UNIT IN PROXIMITY (EITHER VISIBLE OR WITH SIGNAGE) TO THE BANK. AT LEAST ONE PUBLIC

LEAST ONE INTERIOR PUBLIC TEXT TELEPHONE SHALL BE PROVIDED.

PICTOGRAPHS" DETAIL ON TYPICAL ACCESSIBILITY DETAIL SHEET

(1) ADDITIONAL PUBLIC TELEPHONES MAY BE INSTALLED AT ANY HEIGHT. UNLESS OTHERWISE SPECIFIED, ACCESSIBLE TELEPHONES MAY BE EITHER FORWARD OR SIDE REACH TELEPHONES.

1 PER FLOOR

TELEPHONE PER FLOOR SHALL MEET THE REQUIREMENTS

FOR A FORWARD REACH TELEPHONE. (3)

- (2) A BANK CONSISTS OF TWO OR MORE ADJACENT PUBLIC TELEPHONES, OFTEN INSTALLED AS A UNIT. (3) EXCEPTION: FOR EXTERIOR INSTALLATION ONLY. IF DIAL TONE FIRST SERVICE IS AVAILABLE. THEN A SIDE REACH TELEPHONE MAY BE INSTALLED INSTEAD OF THE REQUIRED FORWARD REACH TELEPHONE (I.E. ONE
- TELEPHONE IN PROXIMITY OF EACH BANK SHALL COMPLY.) (B) THE FOLLOWING SHALL BE PROVIDED: IF A TOTAL NUMBER OF FOUR OR MORE PUBLIC PAY TELEPHONES (INCLUDING BOTH INTERIOR AND

(C) TEXT TELEPHONES SHALL BE IDENTIFIED BY THE INTERNATIONAL TDD SYMBOL. IN ADDITION, IF A

EXTERIOR PHONES) IS PROVIDED AT A SITE, AND AT LEAST ONE IS IN AN INTERIOR LOCATION, THEN AT

FACILITY HAS A PUBLIC TEXT TELEPHONE, DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF THE

NEAREST TELEPHONE SHALL BE PLACED ADJACENT TO ALL BANKS OF TELEPHONES WHICH DO NOT CONTAIN A TEXT TELEPHONE. SUCH DIRECTIONAL SIGNAGE SHALL INCLUDE THE INTERNATIONAL TDD SYMBOL. IF A FACILITY HAS NO BANKS OR TELEPHONES, THE DIRECTIONAL SIGNAGE SHALL BE ROVIDED AT THE ENTRANCE (E.G. IN A BUILDING DIRECTORY).

TELEPHONE HANDSET SHALL BE CAPABLE OF BEING PLACED FLUSH ON THE SURFACE OF THE SHELF. THE

SHELF SHALL BE CAPABLE OF ACCOMMODATING A TEXT TELEPHONE AND SHALL HAVE 6 INCHES (152 MM)

- A. TEXT TELEPHONES USED WITH A PAY TELEPHONE SHALL BE PERMANENTLY AFFIXED WITHIN OR ADJACENT TO THE TELEPHONE ENCLOSURE. IF AN ACOUSTIC COUPLER IS USED, THE TELEPHONE CORD SHALL BE SUFFICIENTLY LONG ENOUGH TO ALLOW CONNECTION OF THE TEXT TELEPHONE AND THE TELEPHONE RECEIVER. B. PAY TELEPHONES DESIGNED TO ACCOMMODATE A PORTABLE TEXT TELEPHONE SHALL BE EQUIPPED WITH A SHELF AND AN ELECTRICAL OUTLET WITHIN OR ADJACENT TO THE TELEPHONE ENCLOSURE. THE
- 6. CONTRACTORS SHALL COORDINATE WITH FIRE DEPT. FOR ANY REQUIREMENTS FOR AUDIBLE AND VISUAL ALARMS THAT MAY NEED TO BE ACTIVATED BY THE FIRE PROTECTION SYSTEM, OR OTHER MEANS OF EMERGENCY NOTIFICATION FOR THE OCCUPANTS OF A BUILDING OR SPACE, AND SHALL INSTALL VISUAL ALARMS WHEN AUDIBLE ALARMS ARE REQUIRED TO BE INSTALLED. ALL ALARM SYSTEMS SHALL COMPLY WITH A.D.A. REQUIREMENTS IN ADDITION TO STATE AND LOCAL REQUIREMENTS.

CONTRACTOR SHALL INSTALL SELF-ILLUMINATING LOW LEVEL EXIT PATH MARKING IN EXIT CORRIDORS AND

MINIMUM VERTICAL CLEARANCE IN THE AREA WHERE THE TEXT TELEPHONE IS TO BE PLACED.

#### LOW-LEVEL EXIT SIGNS ON EXIT DOORS PER GOVERNING AGENCIES' REQUIREMENTS. LOW-LEVEL EXIT PATH MARKINGS SHALL BE PERCEPTIBLE TO THE SENSE OF TOUCH.

GENERAL. ALARM SYSTEMS REQUIRED TO COMPLY WITH THIS SECTION. AT A MINIMUM VISUAL SIGNAL APPLIANCES SHALL BE PROVIDED IN BUILDINGS AND FACILITIES TO EACH OF THE FOLLOWING AREAS:

RESTROOMS AND ANY OTHER, GENERAL USAGE AREAS (E.G. MEETING), HALLWAYS, LOBBIES, AND ANY

- OTHER AREA FOR COMMON USE IF PROVIDED, AUDIBLE EMERGENCY ALARMS AUDIBLE ALARMS. SHALL PRODUCE A SOUND THAT EXCEEDS THE PREVAILING EQUIVALENT SOUND LEVEL IN THE ROOM OR SPACE BY AT LEAST OR EXCEEDS ANY MAXIMUM SOUND LEVEL WITH A DBA 15 WHICHEVER IS LOUDER. DBA DURATION OF 60 SECONDS BY 5
- FACILITY ALARM SYSTEM. SINGLE STATION AUDIBLE ALARMS ARE PROVIDED THEN SINGLE STATION VISUAL ALARM SIGNALS SHALL BE PROVIDED. VISUAL ALARM PHOTOMETRIC AND LOCATION FEATURES:

D. THE INTENSITY SHALL BE A MINIMUM OF 75 CANDELA.

E. AND A HAS THE FLASH RATE SHALL BE A MINIMUM OF 1 HZ MAXIMUM OF 3

REQUIRED SHALL BE MORE THAN 50 FT (15M) FROM THE SIGNAL.

SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120 DBA.

A. THE LAMP SHALL BE A XERION STROBE TYPE OR EQUIVALENT

B. THE COLOR SHALL BE CLEAR OR NOMINAL WHITE (I.E., UNFILTERED OR CLEAR FILTERED WHITE LIGHT).

VISUAL ALARM SIGNAL APPLIANCES SHALL BE VISUAL ALARMS. INTEGRATED INTO THE BUILDING OR

- C. THE MAXIMUM PULSE DURATION SHALL BE TWO-TENTHS OF ONE SECOND (0.2 SEC) WITH A MAXIMUM DUTY CYCLE OF 40 PERCENT. THE PULSE DURATION IS DEFINED AS THE TIME INTERVAL BETWEEN INITIAL AND FINAL POINTS OF 10 PERCENT OF MAXIMUM SIGNAL.
- F. THE APPLIANCE SHALL BE PLACED 80 TN (2030 MN) ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6 TN (152 MM) BELOW THE CEILING, WHICHEVER IS LOWER. G. IN GENERAL, NO PLACE IN ANY ROOM OR SPACE REQUIRED TO HAVE A VISUAL SIGNAL APPLIANCE SHALL BE MORE THAN 50 FT (15M) FROM THE SIGNAL (IN THE HORIZONTAL PLANE). IN LARGE ROOMS AND SPACES EXCEEDING 100 FT (30M) ACROSS. WITHOUT OBSTRUCTIONS 6 FT (2M) ABOVE THE FINISH FLOOR, SUCH AS AUDITORIUMS, DEVICES MAY BE PLACED AROUND THE PERIMETER, SPACED

A MAXIMUM 100 FT (30M) APART IN LIEU OF SUSPENDING APPLIANCES FROM THE CEILING. H. NO

PLACE IN COMMON CORRIDORS OR HALLWAYS IN WHICH VISUAL ALARM SIGNALING APPLIANCES ARE

NOTES WITH THE LOCAL JURISDICTION AND CODES. ALL ITEMS LISTED MAY NOT APPLY TO THIS PROJECT

G.C. TO VERIFY ALL APPLICABLE ACCESSIBILITY

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PRINCIPAL IN CHARGE

PROJECT MANAGER:

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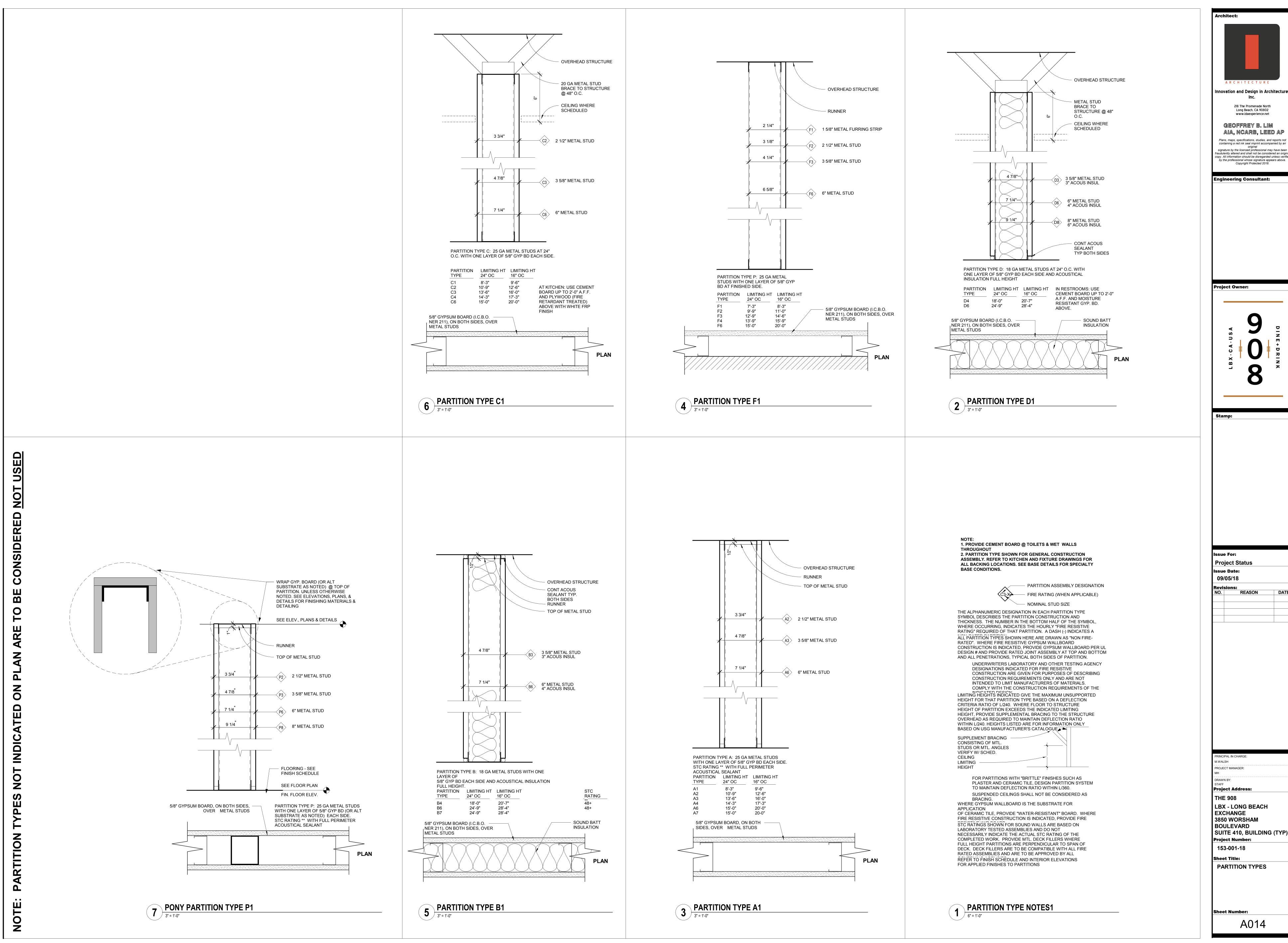
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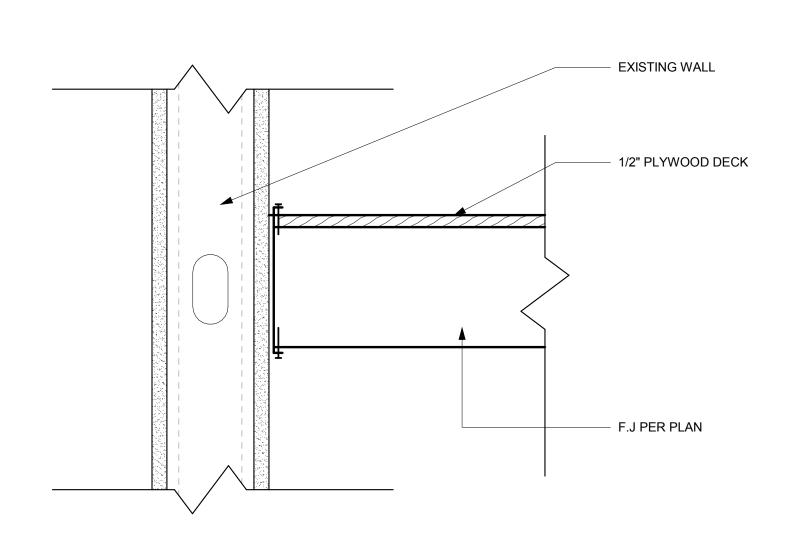
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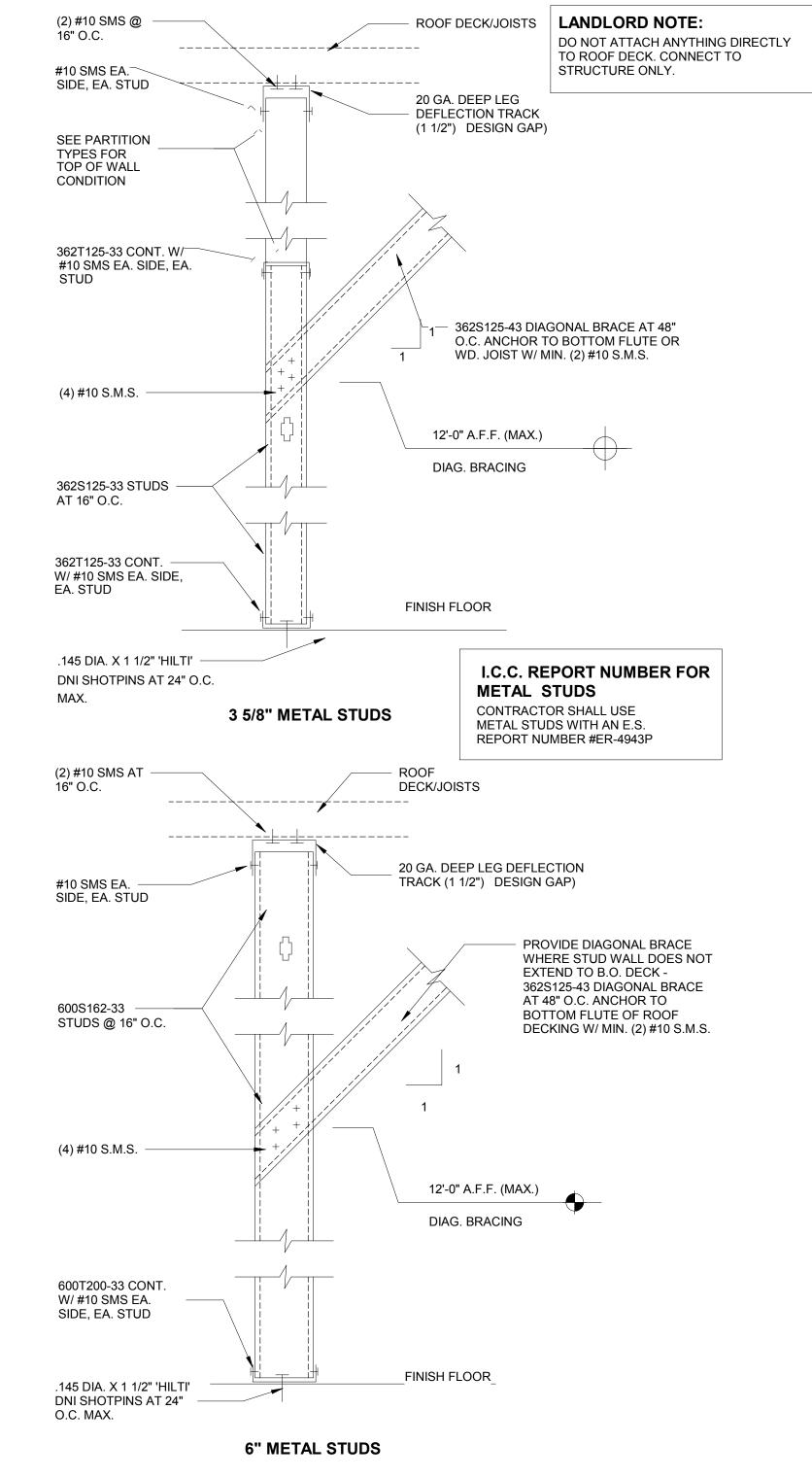
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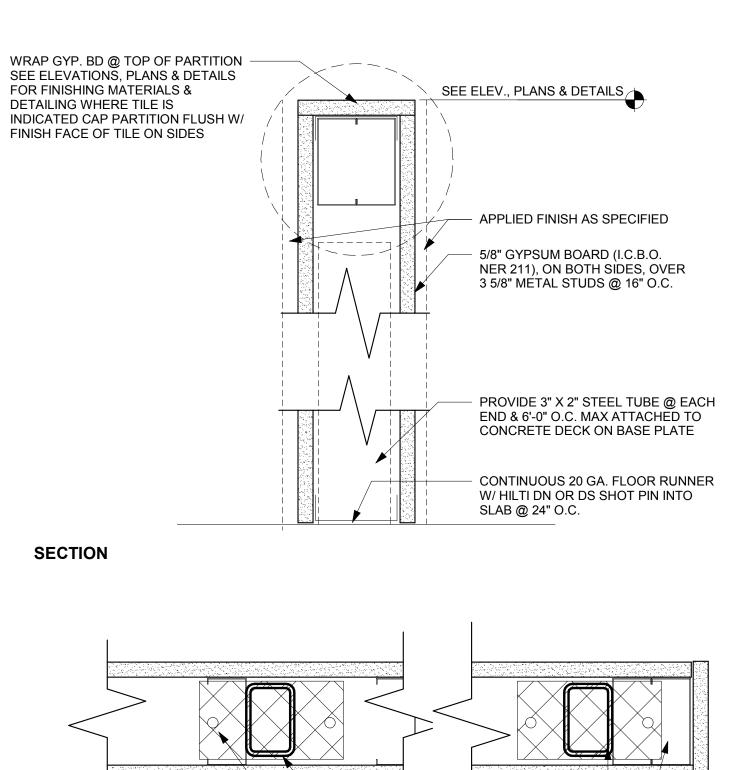


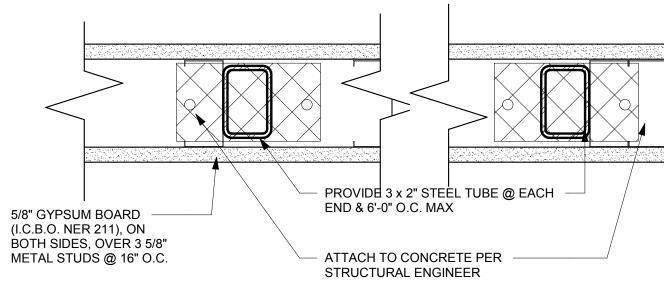
# 7 LEDGER CONDITION 3" = 1'-0"



6 TOP OF WALL CONNECTIONS

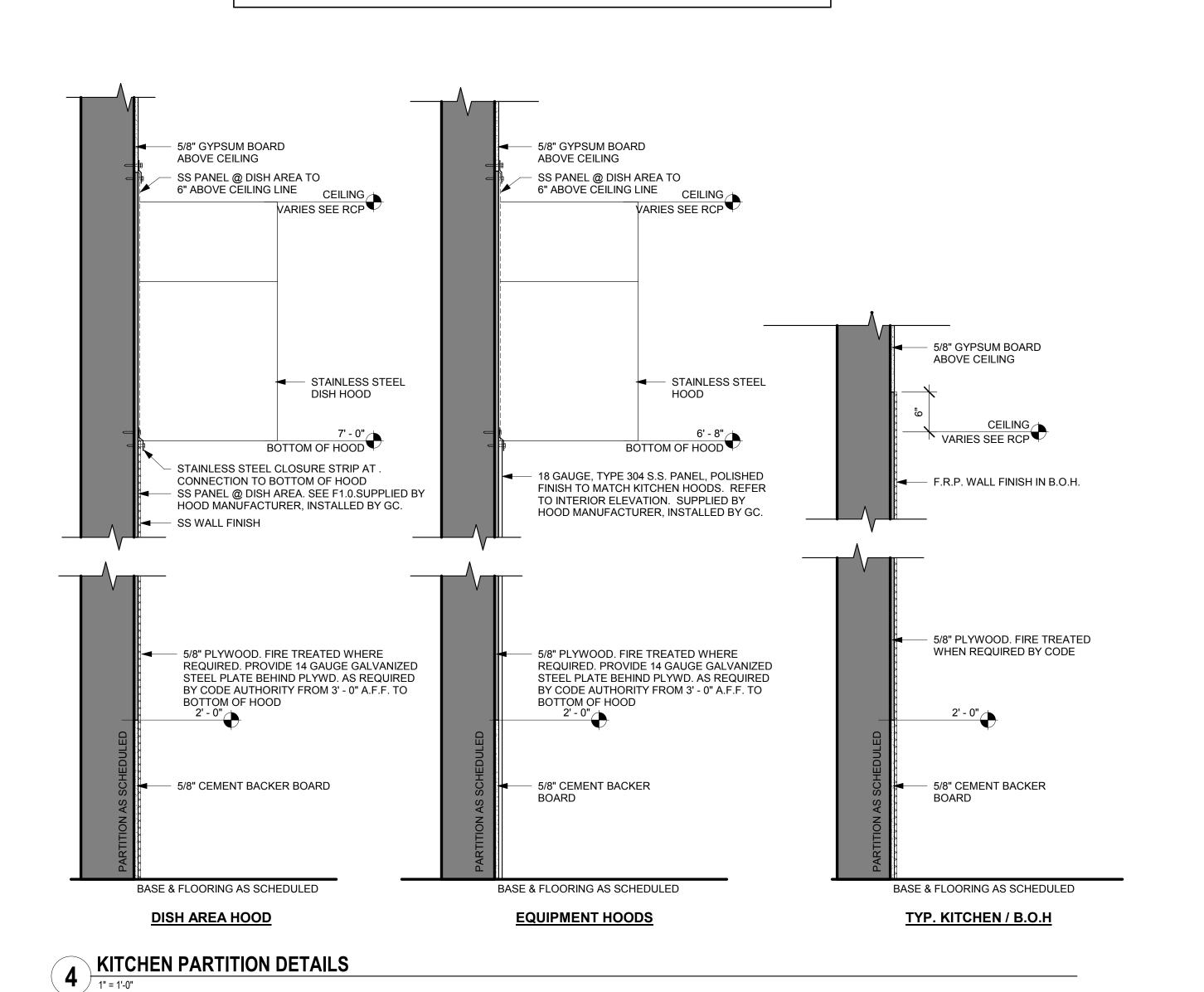
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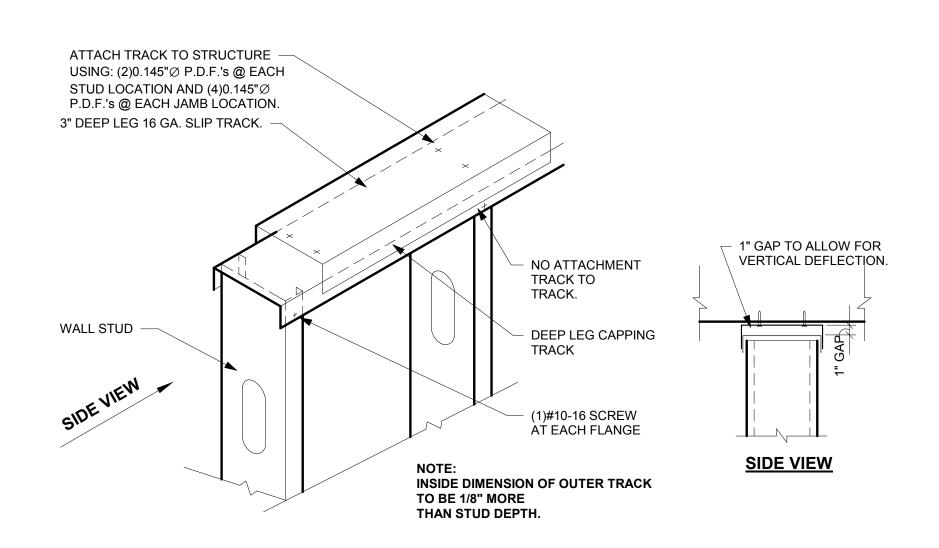




**5** LOW PARTITION DETAIL 3" = 1'-0"

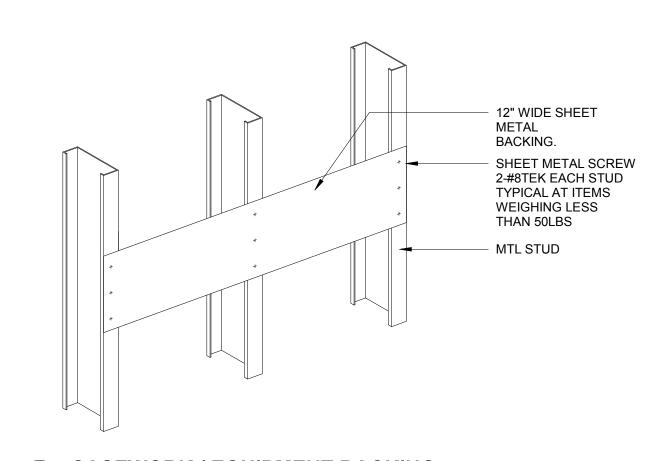
NOTE: ALL COMBUSTIBLE BLOCKING AND/OR BACKING SHALL BE REMOVED FROM ANY PORTION OF THE BACK WALL ADJACENT TO, OR WITHIN 2 FEET MEASURED HORIZONTALLY FROM ANY INTENDED GAS BURNING APPLIANCE. NO APPLIANCE, SHELVING, OR OTHER FEATURE SHALL BE ATTACHED TO COMBUSTIBLE FRAMING IN THE *HEAT* ZONE



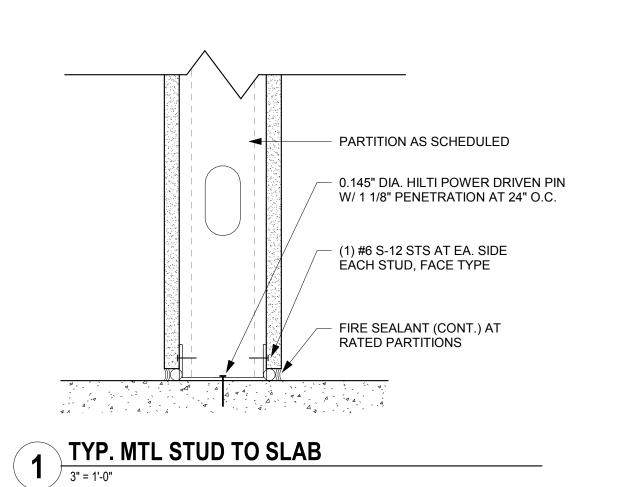


TYP. MTL STUD TO STRUCTURE CONNECTION

3/4" = 1'-0"



2 CASEWORK / EQUIPMENT BACKING
1 1/2" = 1'-0"



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neering Consultant:

Project Owner:

Project Status 09/05/18

REASON

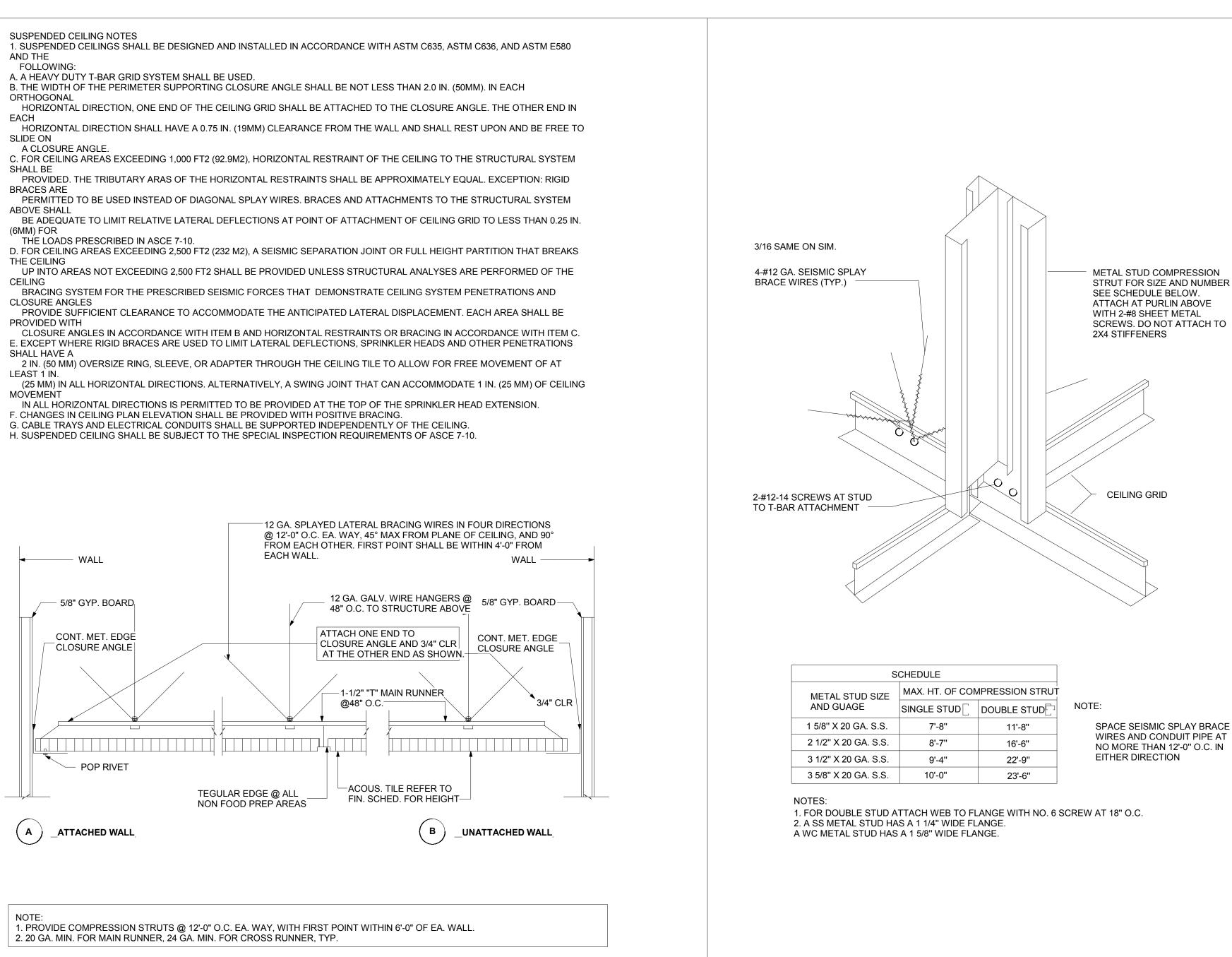
DATE

PRINCIPAL IN CHARGE: M.WALSH

PROJECT MANAGER: THE 908 LBX - LONG BEACH

**EXCHANGE** 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP)

153-001-18 Sheet Title: PARTITION TYPE DETAILS



11 TYP. SUSPENDED CEILING DETAIL
3" = 1'-0"

**CENTRAL CONTRA COSTA SANITARY** 

1. ROOF REQUIRED OVER ENTIRE

**ENCLOUSER WITH DOUNSPOUTS** 

JURISDICATION REQUIREMENTS.

3. A P-TRAP SHALL BE INSTALLED

ALL OTHER APPLICATIONS.

WITH APPLICATION

DIRECTED AWAY FROM ENCLOUSER.

2. VENT SHALL BE INSTALLED PER LOCAL

IMMEDIATELY DOWNSTREAM OF AREA

DRAIN IF NO GREASE TRAP REQUIRED

COMMERCIAL FOOD SERVICE USE AND AS

DETERMINED BY SOURCE CONTROL FOR

5. ALL PIPING TO BE 4" MIN. SIZE INCLUDING

INLET/OUTLET OF GREASE TRAP.

6. LOCATION OF GREASE TRAP & C/O

10 TRASH ENCLOSURE DETAIL (DWG-41)

4. GREASE TRAP SHALL BE INSTALLED IF

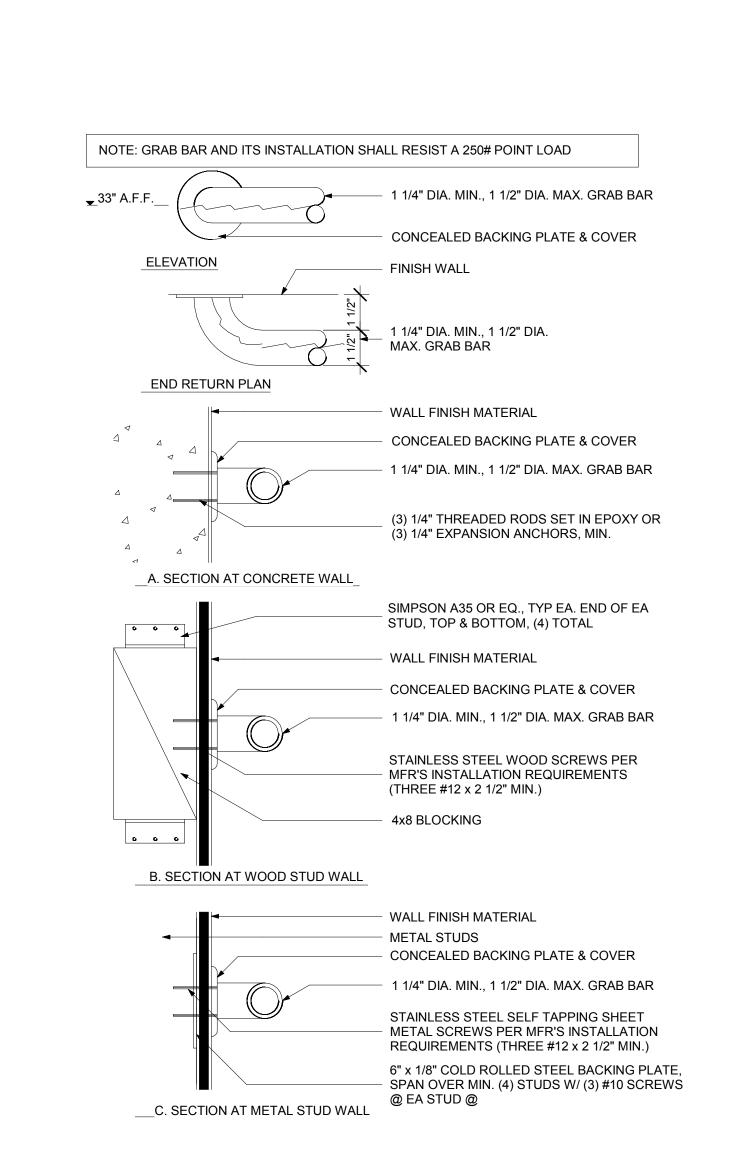
TRASH ENCLOUSER SERVES ANY

MAIN LINE OR EXISTING SIDE

MARTINEZ CALIFORNIA

TRASH ENCLOSURE DETAIL

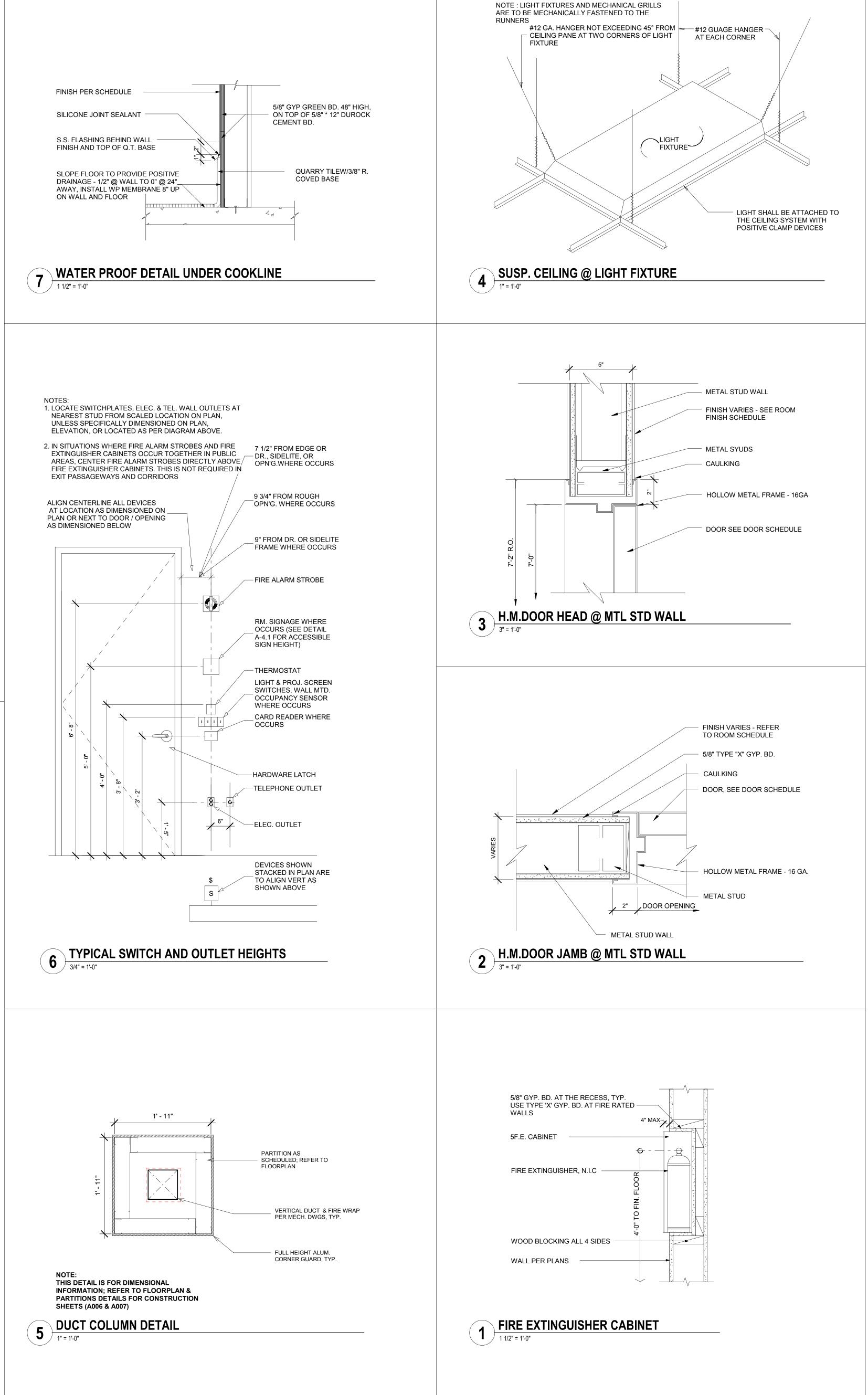
WALL 6" MIN ABOVE GRADE

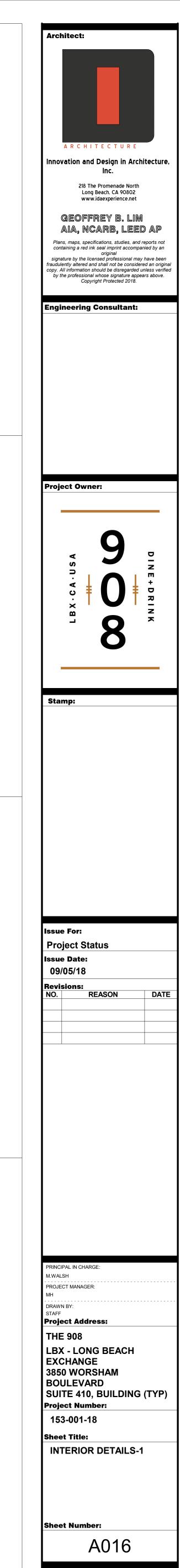


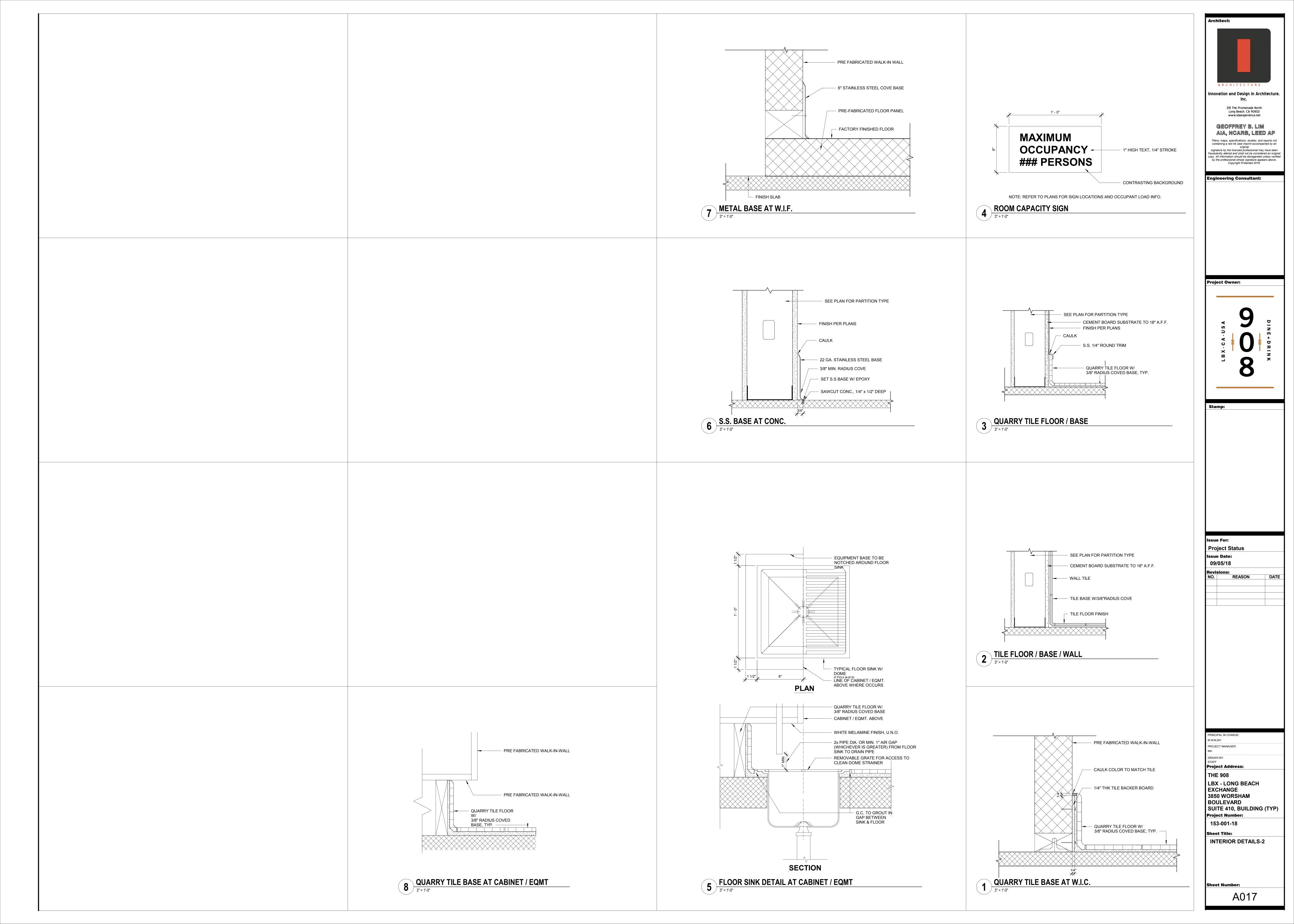
8 GRAB BAR
3" = 1'-0"

9 SEISMIC SPLAY / COMPRESSION STRUT

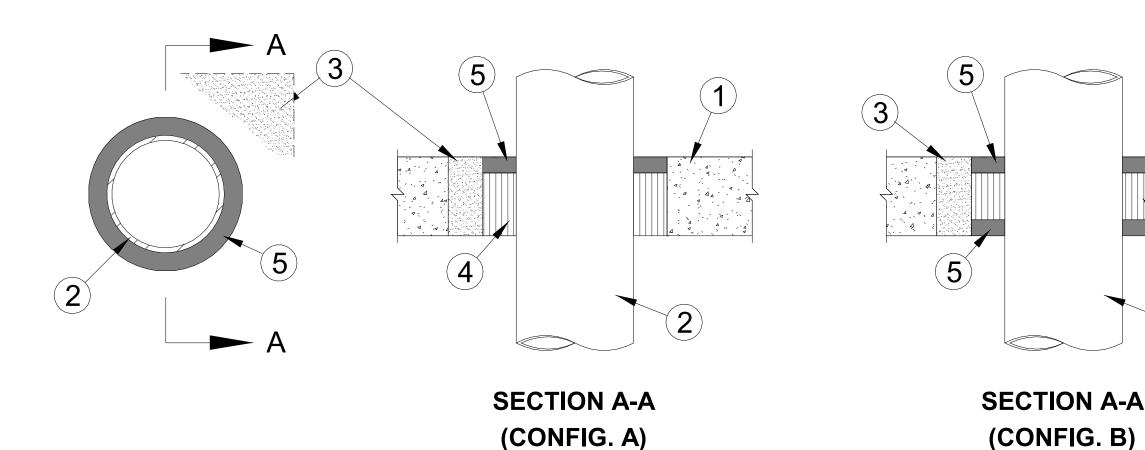








### UL SYSTEM No. C-AJ-1043 FIRE RATING - 2 HRS



1. FLOOR OR WALL ASSEMBLY — REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. MIN FLOOR THICKNESS FOR 2 AND 3 HR F RATINGS IS 2-1/2 IN. AND 4 IN., RESPECTIVELY. MIN WALL THICKNESS FOR 2 AND 3 HR F RATINGS IS 3 IN. AND 4 IN., RESPECTIVELY. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. DIAM OF CIRCULAR THROUGH OPENING TO BE 1-1/2 TO 2 IN. LARGER THAN OUTSIDE DIAM OF STEEL PIPE OR CONDUIT. WHEN FLOOR OR WALL THICKNESS IS 4 IN, OR GREATER, THE THROUGH OPENING SIZE MAY BE UP TO 576 SQ IN, IN AREA WITH A MAX DIMENSION OF 24 IN. PROVIDED THE THROUGH OPENING IS DOWNSIZED AT EACH STEEL PIPE OR CONDUIT PENETRATION USING MORTAR FILL MATERIAL (ITEM 3).

SEE CONCRETE BLOCKS\* (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

- 2. STEEL PIPE OR CONDUIT NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) PIPE, STEEL CONDUIT OR STEEL ELECTRICAL METALLIC TUBING. ONE PIPE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN CIRCULAR OPENING WITH MIN 1/4 IN. ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND SIDES OR CIRCULAR THROUGH OPENING. MORE THAN ONE PIPE OR CONDUIT MAY BE INSTALLED IN LARGER (MAX 576 SQ IN.) OPENING IN MIN 4 IN. THICK FLOOR OR WALL ASSEMBLY PROVIDED THE MIN CLEARANCE BETWEEN THE PIPES IS 2 IN. AND THE MIN CLEARANCE BETWEEN THE PIPES AND SIDES OF THE THROUGH OPENING IS 1-1/2 IN. WHEN MULTIPLE PIPES OR CONDUITS ARE INSTALLED IN LARGE OPENING, THE THROUGH OPENING SHALL BE DOWNSIZED AT EACH STEEL PIPE OR CONDUIT PENETRATION USING MORTAR FILL MATERIAL (ITEM 3).
- 3. FILL, VOID OR CAVITY MATERIAL\* MORTAR WHEN DIAM OF CIRCULAR THROUGH OPENING IS MORE THAN 2 IN. LARGER THAN OUTSIDE DIAM OF STEEL PIPE OR CONDUIT OR WHEN THROUGH OPENING IS SQUARE OR RECTANGULAR, THROUGH OPENING IS TO BE DOWNSIZED USING MINERAL WOOL BATT PACKING MATERIAL (ITEM 4), FLEXIBLE FORMING MATERIAL, RIGID SHEET MATERIAL AND MORTAR FILL MATERIAL. A NOM 1 IN. THICKNESS OF MINERAL WOOL BATT PACKING MATERIAL IS WRAPPED AROUND THE PIPE OR CONDUIT WITH THE SEAM BUTTED AND SECURED IN PLACE WITH WIRE TIES OR TAPE. THE EDGES OF THE MINERAL WOOL BATT WRAP SHALL BE RECESSED FROM THE FLOOR OR WALL SURFACES TO ACCOMMODATE THE CAULK FILL MATERIAL THICKNESSES SPECIFIED IN ITEM 5. THE NOM 1 IN. WIDE BY 1/2 OR 1 IN. DEEP ANNULUS TO RECEIVE THE CAULK FILL MATERIAL SHALL BE WRAPPED WITH A FLEXIBLE FORMING MATERIAL TO EXCLUDE THE MORTAR FILL MATERIAL. A RIGID SHEET FORM WITH CUTOUT(S) FOR PIPE(S) SHALL BE SECURED AGAINST THE UNDERSIDE OF FLOOR OR BOTH SIDES OF WALL TO PREVENT LEAKAGE OF THE MORTAR FILL MATERIAL DURING PLACEMENT. THE THROUGH OPENING AROUND THE MINERAL WOOL BATT PACKING MATERIAL AND FLEXIBLE FORMING MATERIAL IS TO BE COMPLETELY FILLED WITH MORTAR LIKE FILL MATERIAL. MATERIAL TO BE MIXED WITH WATER IN ACCORDANCE WITH MIXING INSTRUCTIONS ON THE BAG AND PUMPED OR TROWELED INTO THE THROUGH OPENING. FLEXIBLE AND RIGID SHEET

## AIK FLAMMADUR BRANDSCHUTZ GMBH — TYPE E473

FORMING MATERIALS TO BE REMOVED AFTER MORTAR FILL MATERIAL HAS CURED.

- 4. PACKING MATERIAL NOM 6 PCF TO 9 PCF DENSITY MINERAL WOOL-BATT MATERIAL FIRMLY PACKED INTO ANNULUS AS A PERMANENT FORM FOR THE CAULK FILL MATERIAL. PACKING MATERIAL TO BE RECESSED FROM SURFACE(S) OF FLOOR OR WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL SPECIFIED IN ITEM 5.
- 5. FILL, VOID OR CAVITY MATERIAL\* CAULK APPLIED TO FILL ANNULAR SPACE FLUSH WITH FLOOR OR WALL SURFACES. FOR 2 HR F RATING IN FLOOR ASSEMBLY (CONFIGURATION A), A MIN 1/2 IN. THICKNESS OF CAULK IS REQUIRED AT THE TOP SURFACE OF THE FLOOR. FOR 2 HR F RATING IN WALL ASSEMBLY, (CONFIGURATION B), A MIN 1/2 IN. THICKNESS OF CAULK IS REQUIRED ON BOTH SIDES OF THE WALL. FOR 3 HR F RATING, A MIN 1 IN. THICKNESS OF CAULK IS REQUIRED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY (CONFIGURATION B).

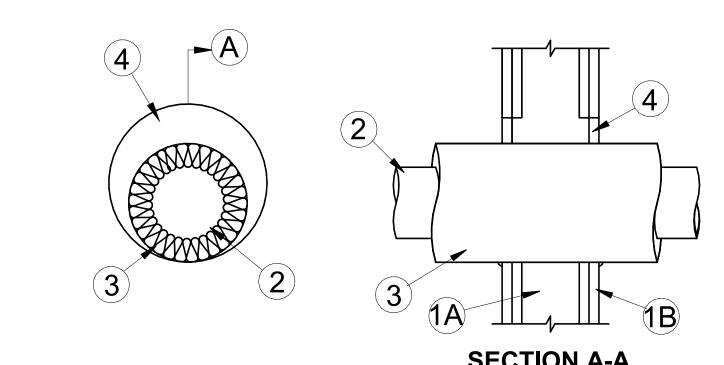
## AIK FLAMMADUR BRANDSCHUTZ GMBH — TYPE A107

\* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

FIRE RESISTIVE PENETRATION DETAIL - FLOOR

12" = 1'-0"

### **UL SYSTEM No. W-L-5121 FIRE RATING - 1 HRS**



- 1. WALL ASSEMBLY THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS WALL FRAMING MAY CONSIST OF STEEL CHANNEL STUDS. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE AND SPACED MAX 24 IN. OC.
- B. **GYPSUM BOARD -** THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 12 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
- 2. THROUGH PENETRANT ONE METALLIC PIPE OR TUBE TO BE INSTALLED ECCENTRICALLY OR CONCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES AND TUBES MAY BE USED:
- A. STEEL PIPE NOM 6 IN. DIAM (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.
- B. IRON PIPE NOM 6 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
- C. COPPER PIPE NOM 4 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. D. COPPER TUBE - NOM 4 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE
- 3. PIPE COVERINGS ONE OF THE FOLLOWING TYPES OF PIPE COVERINGS SHALL BE USED:
- A. PIPE AND EQUIPMENT COVERING MATERIALS\* NOM 2 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR BUTT TAPE SUPPLIED WITH THE PRODUCT. THE ANNULAR SPACE BETWEEN THE INSULATED THROUGH PENETRANT AND PERIPHERY OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1-1/2 IN. SEE **PIPE AND EQUIPMENT COVERING MATERIALS** (BRGU) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE
- UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE LISED. B. PIPE COVERING MATERIALS\* - NOM 2 IN. THICK UNFACED MINERAL FIBER PIPE INSULATION SIZED TO THE OUTSIDE DIAM OF PIPE OR TUBE. PIPE INSULATION SECURED WITH MIN NO. 8 AWG STEEL WIRE SPACED MAX 12 IN. OC. THE ANNULAR SPACE BETWEEN THE INSULATED
- THROUGH PENETRANT AND PERIPHERY OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1-1/2 IN. **IIG MINWOOL L L C** - HIGH TEMPERATURE PIPE INSULATION 1200, HIGH TEMPERATURE PIPE INSUI ATION RWT OR HIGH TEMPERATURE PIPE INSUI ATION
  C. SHEATHING MATERIAL\* - USED IN CONJUNCTION WITH ITEM 3B. FOIL-SCRIM-KRAFT OR ALL SERVICE JACKET MATERIAL SHALL BE WRAPPED AROUND THE OUTER CIRCUMFERENCE OF THE PIPE INSULATION (ITEM 3B) WITH THE KRAFT SIDE EXPOSED. LONGITUDINAL
- SEE **SHEATHING MATERIALS** (BVDV) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY SHEATHING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD FILL, VOID OR CAVITY MATERIAL\* - SEALANT - MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY. AT POINT CONTACT LOCATION, MIN 1/4 IN. DIAM BEAD OF FILL MATERIAL APPLIED AT INSULATED METALLIC PIPE/GYPSUM BOARD INTERFACE ON BOTH SURFACES OF WALL.

TRANSVERSE JOINTS SEALED WITH METAL FASTENERS OR BUTT TAPE.

FIRE RESISTIVE PENETRATION DETAIL - WALL

JOINTS AND

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neering Consultant:

Issue For: Project Status

Issue Date: 09/05/18 REASON

PRINCIPAL IN CHARGE:

PROJECT MANAGER:

THE 908

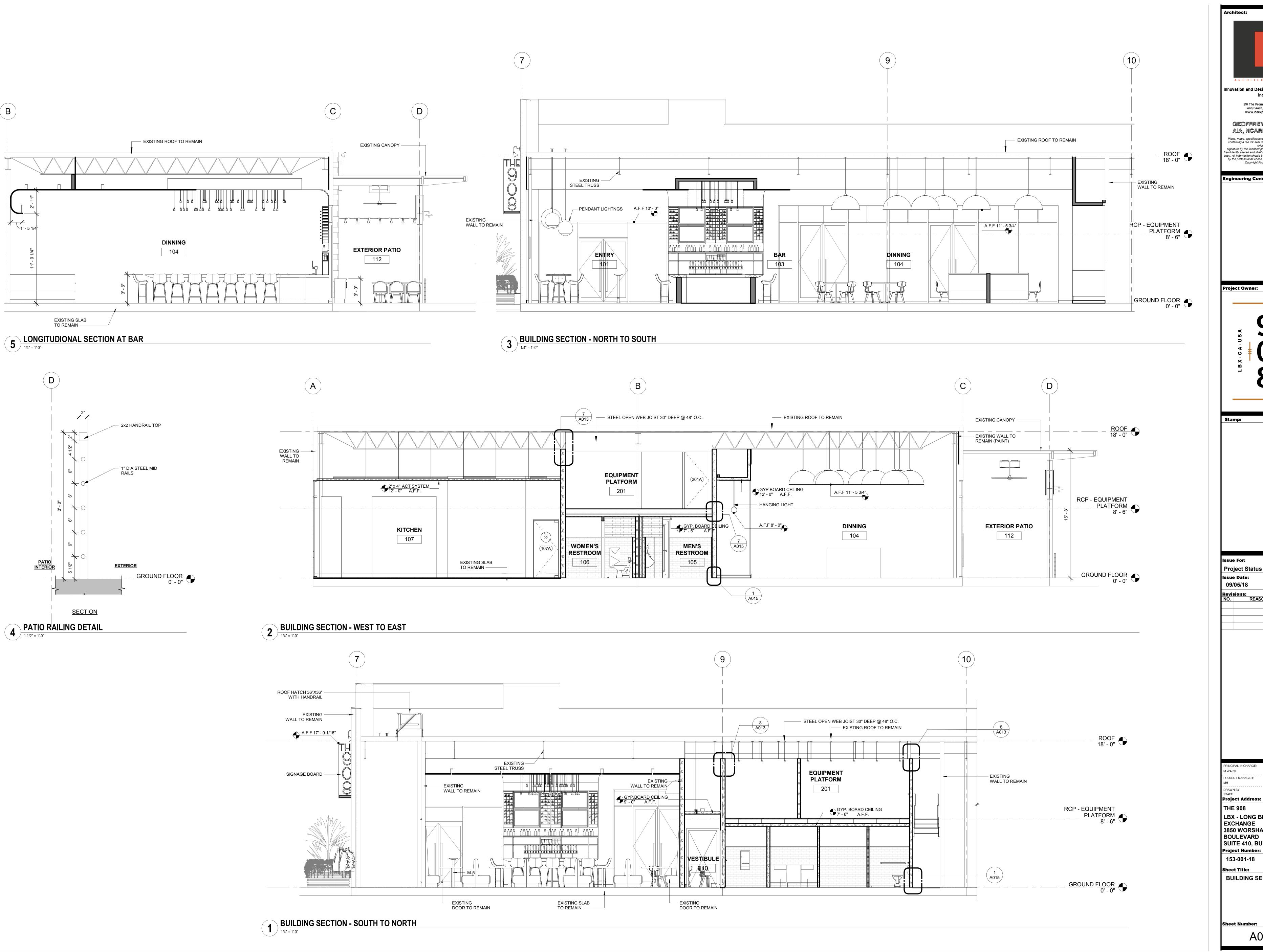
Project Number:

LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP)

153-001-18 Sheet Title: **FIRE RESISTIVE** 

PENETRATION DETAILS

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Geoffrey B. Lim

Engineering Consultant:

Project Owner:

Issue For:

Issue Date: 09/05/18 REASON

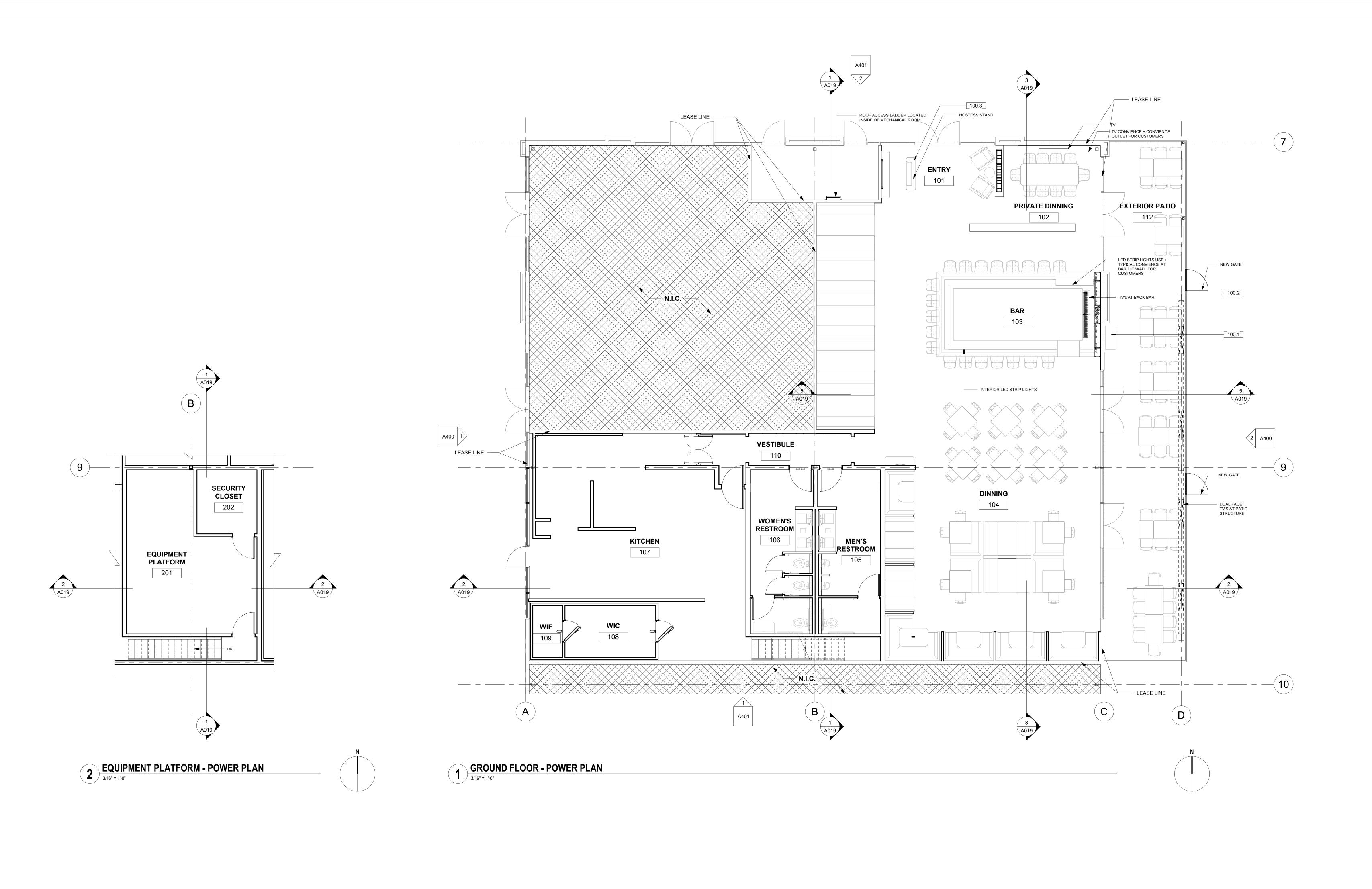
PRINCIPAL IN CHARGE: M.WALSH PROJECT MANAGER:

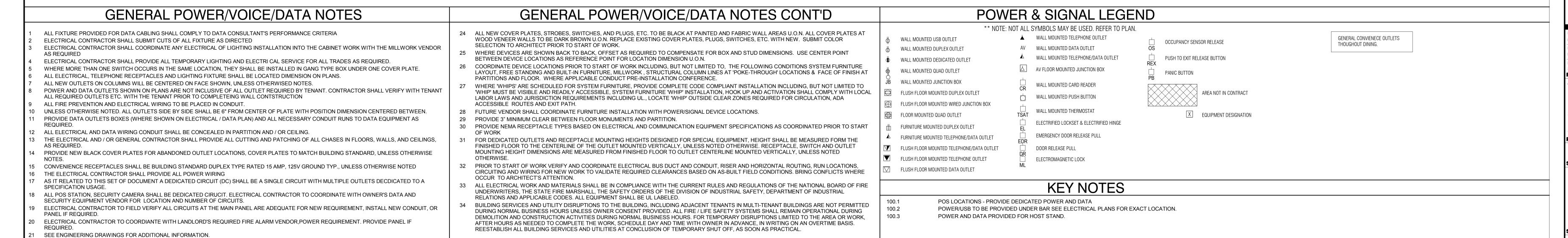
THE 908 LBX - LONG BEACH
EXCHANGE
3850 WORSHAM
BOULEVARD
SUITE 410, BUILDING (TYP)

Project Number:

Sheet Title: BUILDING SECTIONS

Sheet Number:





G.C. TO COORDINATE ALL FINAL FLOOR CORE LOCATIONS WITH FURNITURE VENDOR, OWNER AND ARCHITECT PRIOR TO START OF WORK. ALL FLOOR

AND WALL CORING SHALL BE SCHEDULED DURING OFF HOURS UNLESS OTHERWISE ALLOWED BY OWNER.

G.C. TO MAINTAIN EXISTING UL FIRE RATED ASSEMBLY FOR ALL PENETRATIONS.

Architect:

ARCHITECTURE

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Project Status
Issue Date:
09/05/18

NO. REASON

PRINCIPAL IN CHARGE: M.WALSH PROJECT MANAGER:

DRAWN BY:
STAFF
Project Address:
THE 908

THE 908

LBX - LONG BEACH

EXCHANGE

3850 WORSHAM

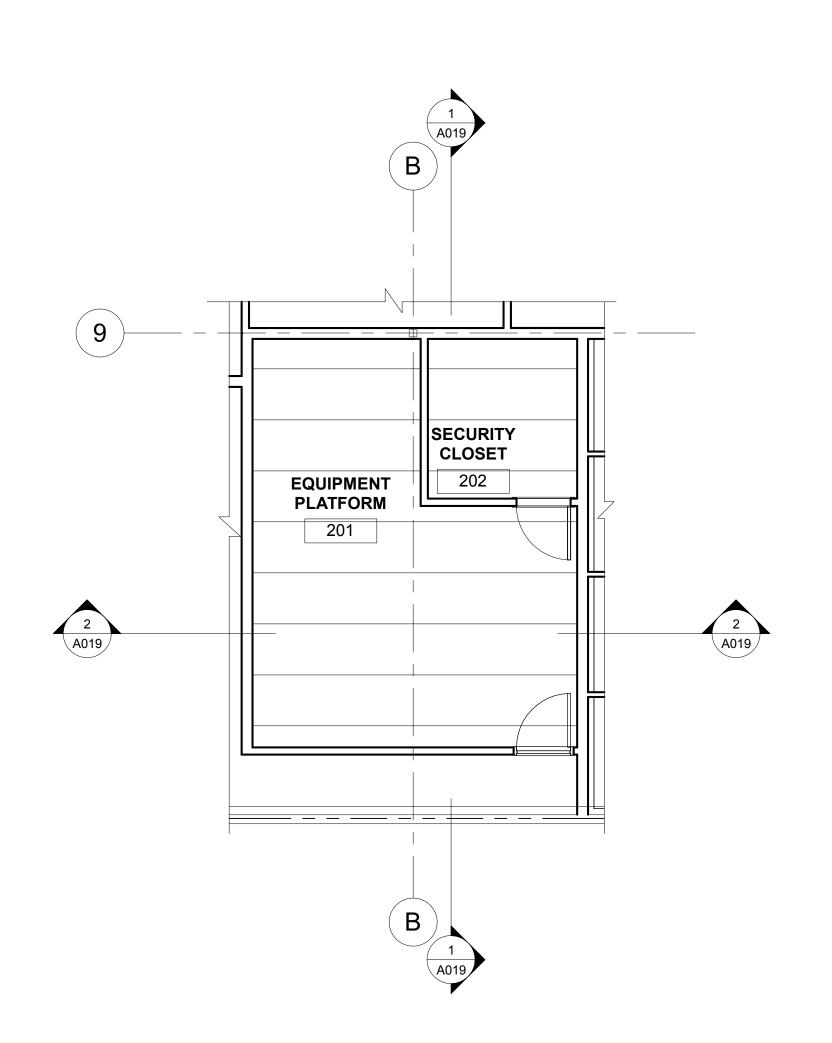
BOULEVARD SUITE 410, BUILDING (TYP) Project Number:

153-001-18 Sheet Title:

POWER & LOW VOLTAGE PLAN & DETAILS

Sheet Number:

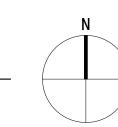


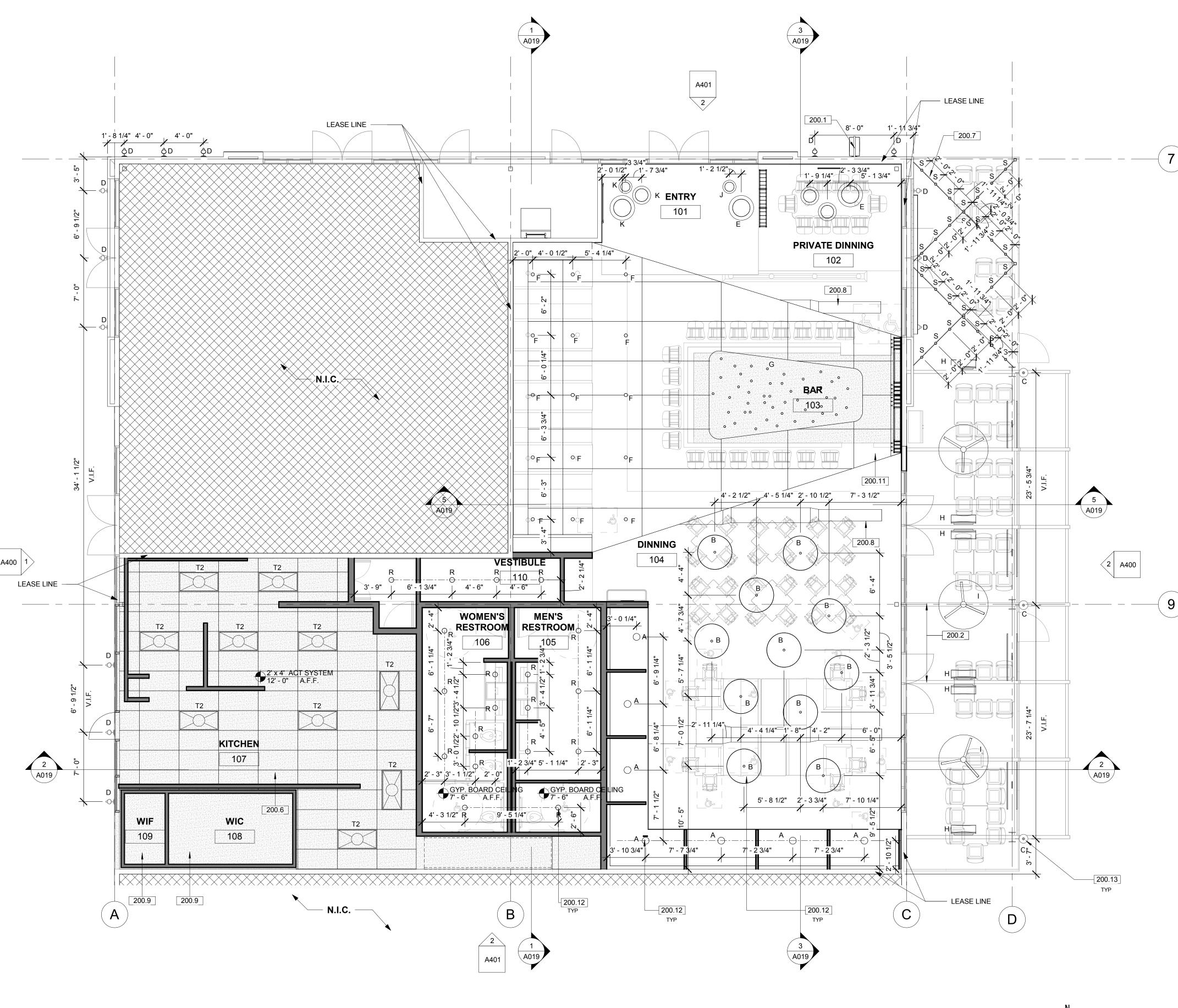


2 REFLECTED CEILING PLAN - EQUIPMENT PLATFORM

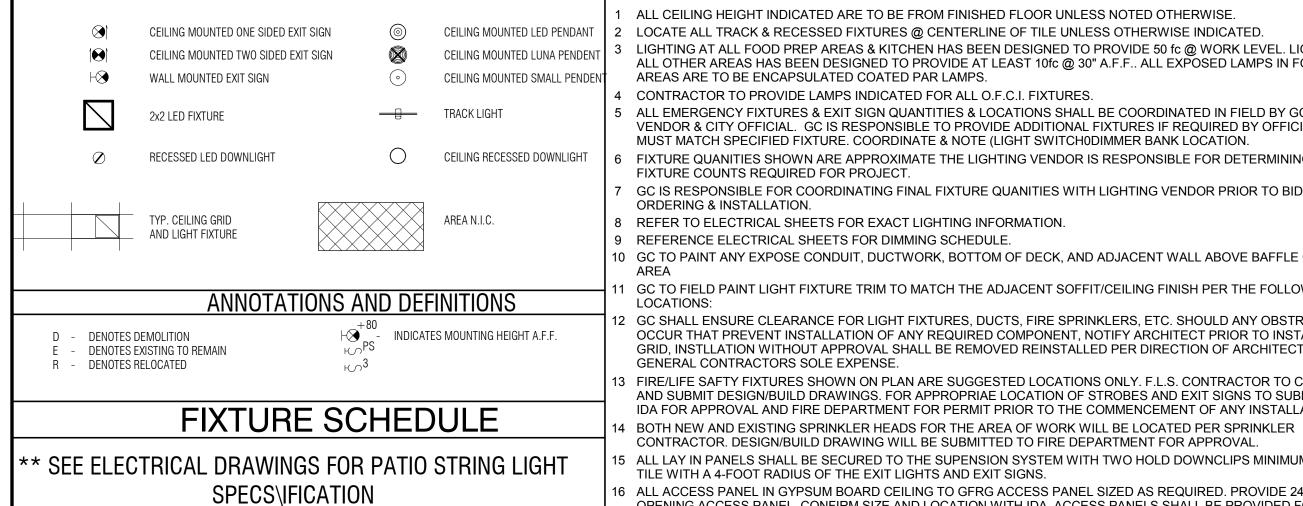
3/16" = 1'-0"

INSTALLATION.





GROUND FLOOR - REFLECTED CEILING PLAN



RCP LEGEND

## GENERAL REFLECTED CEILING NOTES

ALL CEILING HEIGHT INDICATED ARE TO BE FROM FINISHED FLOOR UNLESS NOTED OTHERWISE.

LOCATE ALL TRACK & RECESSED FIXTURES @ CENTERLINE OF TILE UNLESS OTHERWISE INDICATED. LIGHTING AT ALL FOOD PREP AREAS & KITCHEN HAS BEEN DESIGNED TO PROVIDE 50 fc @ WORK LEVEL. LIGHTING IN ALL OTHER AREAS HAS BEEN DESIGNED TO PROVIDE AT LEAST 10fc @ 30" A.F.F.. ALL EXPOSED LAMPS IN FOOD PREP AREAS ARE TO BE ENCAPSULATED COATED PAR LAMPS.

CONTRACTOR TO PROVIDE LAMPS INDICATED FOR ALL O.F.C.I. FIXTURES. ALL EMERGENCY FIXTURES & EXIT SIGN QUANTITIES & LOCATIONS SHALL BE COORDINATED IN FIELD BY GC, LIGHTING VENDOR & CITY OFFICIAL. GC IS RESPONSIBLE TO PROVIDE ADDITIONAL FIXTURES IF REQUIRED BY OFFICIAL. G.C. MUST MATCH SPECIFIED FIXTURE. COORDINATE & NOTE (LIGHT SWITCHODIMMER BANK LOCATION. FIXTURE QUANITIES SHOWN ARE APPROXIMATE THE LIGHTING VENDOR IS RESPONSIBLE FOR DETERMINING EXACT

FIXTURE COUNTS REQUIRED FOR PROJECT. GC IS RESPONSIBLE FOR COORDINATING FINAL FIXTURE QUANITIES WITH LIGHTING VENDOR PRIOR TO BIDDING, ORDERING & INSTALLATION. REFER TO ELECTRICAL SHEETS FOR EXACT LIGHTING INFORMATION.

REFERENCE ELECTRICAL SHEETS FOR DIMMING SCHEDULE. 10 GC TO PAINT ANY EXPOSE CONDUIT, DUCTWORK, BOTTOM OF DECK, AND ADJACENT WALL ABOVE BAFFLE CEILING

GC TO FIELD PAINT LIGHT FIXTURE TRIM TO MATCH THE ADJACENT SOFFIT/CEILING FINISH PER THE FOLLOWING GC SHALL ENSURE CLEARANCE FOR LIGHT FIXTURES, DUCTS, FIRE SPRINKLERS, ETC. SHOULD ANY OBSTRUCTION

GRID, INSTLLATION WITHOUT APPROVAL SHALL BE REMOVED REINSTALLED PER DIRECTION OF ARCHITECT AT GENERAL CONTRACTORS SOLE EXPENSE. FIRE/LIFE SAFTY FIXTURES SHOWN ON PLAN ARE SUGGESTED LOCATIONS ONLY. F.L.S. CONTRACTOR TO COORINDATE AND SUBMIT DESIGN/BUILD DRAWINGS. FOR APPROPRIAE LOCATION OF STROBES AND EXIT SIGNS TO SUBMITTED TO IDA FOR APPROVAL AND FIRE DEPARTMENT FOR PERMIT PRIOR TO THE COMMENCEMENT OF ANY INSTALLATION.

OCCUR THAT PREVENT INSTALLATION OF ANY REQUIRED COMPONENT, NOTIFY ARCHITECT PRIOR TO INSTALLATION OF

ALL LAY IN PANELS SHALL BE SECURED TO THE SUPENSION SYSTEM WITH TWO HOLD DOWNCLIPS MINIMUM FOR EACH TILE WITH A 4-FOOT RADIUS OF THE EXIT LIGHTS AND EXIT SIGNS. ALL ACCESS PANEL IN GYPSUM BOARD CEILING TO GFRG ACCESS PANEL SIZED AS REQUIRED. PROVIDE 24" X 24" SIZE OPENING ACCESS PANEL. CONFIRM SIZE AND LOCATION WITH IDA. ACCESS PANELS SHALL BE PROVIDED FOR ELECTRICAL, PLUMBING, AND AIR CONDITIONING CONTROL AS REQUIRED BY THE BUILDING CODE, NFPA, AND LOCAL CITY CODE. IF LOCATION AND TYPE NOT SHOWN ON DRAWINGS, CONFIRM LOCATION AND TYPE WITH IDA PRIOR TO

CONTRACTOR. DESIGN/BUILD DRAWING WILL BE SUBMITTED TO FIRE DEPARTMENT FOR APPROVAL.

## GENERAL REFLECTED CEILING NOTES

- 17 RELOCATE / RAISE EXISTING BACK BOX, CONDUIT, HVAC EQUIPMENT, DEVICE, AND ANY OTHER ITEMS THAT WILL NEED UPWARD RELOCATION BASED ON NEW PROJECT CEILING HEIGHT.
- SYSTEM WITHIN AREA OF WORK ARE TO BE INSTALLED IN A CONTINUOUS GRID PATTERN SO THAT WHEN A PENTRATING PARTITION IS REMOVED, NECESSARY CEILING REPAIRS WILL RESULT IN A CONSISTENT CEILING GRID.
- BE CONNECTED TO EXISTING BUILDING SYSTEM.
- 20 ALL SPRINKLERS ARE BUILDING STANDARD U.O.N. 21 ALL SWITCHING AND LIGHTING LAYOUT SHALL COMPLY WITH TITLE 24 STANDARD
- 22 PROVIDE EMERGEBCT EXIT AND EXIT LIGHTING SYSTEM AS REQUIRED BY GOVERING JURISDICTION. EMERGENCY LIGHTING SHALL HAVE MIN 90 MIN BATTERY BACKUP. 23 THE HEATING, VENTILATION, AND AIR CONDITIONS SHALL ACCODATE THE NEW OCCUPANCY. ALL ROOMS AND REAS
- SHALL HVAC SUPPLY AND RETURN AIR. THERMOSTATES SHALL HAVE AUTOMATIC CHANGEOVER FEATURE (NO MANUAL SWITCHING FROM HEATING TO COOLING CYCLES), WITH METAL NON VISUAL TAMPER PROOF COVERS. 24 IF LIGHT FIXTURE ARE TO BE REUSED / RELOCATED, CONTRACTOR SHALL CLEAN & RELAMP TO MATCH AS NECESSARY
- ALL LGIHTS AND FIXTURES OF THE SAME TYPE (NEW & EXISTING) SHALL HAVE MATCHING LAMPS. 25 PRIOR TO INSTALLATION, HVAC ZONES AND T-STAT LOCATIONS TO BE APPROVED BY TENANT & COORDINATE WITH FURNITURE PLANS AND WALL FINISH LOCATIONS. 26 LATERAL SUPPORTS TO BE PROVIDED BY POST WIRE OF MINIMUM 12 GA, LAYED IN FOUR FIRECTIONS 90 DEGRESSS APART. CONNECTED TO MAIN RUNNER WITH 12 INCHES OF THE CROSS RUNNER AND TO THE STRUCTURE ABOVE OR
- TO PARTITION. ATTACH TO WALLS OR BRACE AN ANGLE NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING. SUPPORT POINTS SHALL BE PLACED 12" O.C.. IN EACH DIRECTION WITH THE FIRST POINT WITH 4'-0" FROM EACH WALL. SEE TYPICAL DETAIL ON DETAIL SHEETS. 27 ALL LIGHTING TO BE COORDINATED WITH DINING TABLES
- 28 SUSPENDED TRACK LIGHT FIXTURES TO BE CENTERED BETWEEN BAFFLED CEILING SLATS 29 EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED AT ALL TIMES AND SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM (BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR) THAT WILL AUTOMATICALLY
- ILLUMINATE THE EXIT SIGNS FOR A DURATION OF NOT LESS THAN 90 MINUTES. 30 EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERAL DEFLECTION, SPRINKLER HEADS AND OTHER PENETRATIONS THROUGH THE CEILING TILE REQUIRES 2-INCH RINGS, SLEEVES OR ADAPTERS THAT WILL ALLOW A MINIMUM 1-INCH CEILING MOVEMENT IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, A SEING JOINT CAN BE PROVIDED AT THE TOP OF THE SPRINKLER HEAD EXTENSION TO ACCOMODATE THE I-INCH MOVEMENT.

## GENERAL HVAC NOTES

DIFFUSERS, THERMOSTATE AND ANY REQUIRED ACCESS

## SUBMIT SHOP DRAWING INDICATING ALL NEW EQUIPMENT,

- PANELS TO ARCHITECT AND MECHANICAL ENGINEER FOR REVUEW PRIOT TO PROCEEDING WITH FABRICATION AND /
- INSTALLATION SHALL BE COORDINATE WITH ALL TRADES AS REQUIRED FOR PROPER ASSEMBLY CEILING DIFFUSERS TO BE RELOCATED TO MAINTAIN NEW FIXTURE
- INTERIOR SPACES SHALL BE MECHANICALLY VENTILATED IN ACCORDANCE WITH THE ADMINTRATIVE CODE. PLANS SHOWING MECHANICAL VENTILATION SYSTEM WILL BE
- FILLED IN ACCORDANCE WITH THE RULE OF THE BUILDING DEPARTMENT. ANY BUILDING SERVICE SHUT DOWN REQUIRED FOR THE WORK SHALL BE REQUESTED IN WRITING BY THE HVAC
- CONTRACTOR AT LEASE 72 HOURS IN ADVANCE OF THE SHUT DOWN. THE HVAC CONTRACTOR SHALL OBTAIN APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION PRIOR TO SHUT DOWN. ANY SHUT DOWN AFFECTING THE NORMAL HVAC SERVICE OF OTHER BUILDING OCCUPANTS
- SHALL BE DONE ON OVERTIME AND AFTER HOURS. BALANCING OF ENTIRE SYSTEM SHALL BE DONE BY AN INDEPENDANT AIR BALANCE COMPANY, SUNMIT REPORT TO ARCHITECT, TENANT, AND MECHANCIAL FOR REPORT.
- ALL DUCT WORK SHALL BE INSULATED AS REQUIRED FOR THERMAL AND ACOUSTIC CONSIDERATION. MECHANCIAL VENTILATION IN TOILET ROOM SHALL PROVIDE (1) COMPLETE AIR CHANGE EVERY (15) MINUTE

ALL NEW MATERIAL REQUIRED SHALL BE EQUAL TO OR

AND SHALL BE VENTED TO OUTSIDE AIR.

BETTER IN QUALITY THAN THE EXISTING

## **KEY NOTES**

- 200.1 GC TO COORDINATE POWER FOR SIGNAGE. SIGNAGE UNDER SEPARATE PERMIT. 200.2 STEEL AND WOOD TRELLIS SYSTEM. REFER TO STRUCTURAL DRAWINGS.
- 200.6 HOOD. REFER TO MECHANICAL DRAWINGS. 200.7 EXPOSED CONDUITS FOR PATIO LIGHTING TO BE PLACED ALONG TOP-SIDE OF JOISTS. ALL
- CONDUITS TO BE PAINTED TO MATCH GRAY FINISH ON STEEL TRELLIS FRAME. 200.8 SUPPLY/ EXHAUST AIR PER MECHANICAL. REFERENCE MECHANICAL DRAWINGS
- 200.9 COOLER/ FREEZER PANEL CEILING & LIGHTING PER MANUFACTURER, REFER TO WALK-IN
- 200.11 BAR SOFFIT. FINISH: T-GROOVE? FLUSH METAL SOFFIT PANELS. REFER TO DTL 9/A205
- 200.12 NEW LIGHT FIXTURES TO BE ADDED 200.13 EXISTING LIGHT TO REMAIN.

NOTED TO BE DEMOED SHOULD BE SALVAGED FOR POSSBLE RE-USE IN NEW CONSTRUCTION. SEE RCP FOR LOCATIONS.

## SHEET NOTES

- SEE AN-SHEET SERIES FOR ADDITIONAL NOTES AND ABBREVIATIONS. VERIFY AS-BUILT FIELD CONDITIONS AND LOCATIONS FOR EXISTING AND NEW PLUMBING, AUDIO VISUAL, HVAC DUCTWORK AND PIPING, STRUCTURAL FRAMING, ELECTRICAL BUS DUCT AND CONDUIT BANKS, ELECTRICAL PULL BOXES, FIRE PROTECTION LINES AND RELATED WORK TO DETERMINE AND COORDINATE BEST CEILING FRAMING, POINTS OF ACCESS AND CLEARANCES AS REQUIRED FOR NEW
- PROVIDE ACCESS PANELS WHERE REQUIRED IN GYP.BD. CEILING INCLUDING, BUT NOT LIMITED TO FIRE SMOKE DAMPERS, FIRE LIFE SAFETY J-BOXES, FAN COILS AND VAV BOXES PER MANUFACTURER'S WRITTEN RECOMMENDATIONS, CONDUIT BANK PULL BOXES AND CONTROL AND SHUTOF VALVES.
- UNLESS OTHERWISE SHOWN PROVIDE FLUSH DRYWALL TYPE ACCESS PANELS W/ CONCEALED FRAME AT ALL NON RATED LOCATIONS. . ALL CEILING MOUNTED ELECTRICAL DEVICES SHALL BEAR UL LABEL AND FREE OF DEFECTS. WHERE EXISTING ACOUSTICAL CEILING TILE IS SCHEDULED TO REMAIN. REPLACE DAMAGED ACOUSTICAL CEILING TILE WITH NEW TO MATCH EXISTING. IF PRODUCT IS NOT AVAILABLE FROM BUILDING
- INVENTORY ATTIC STOCK OR MANUFACTURER, NOTIFY ARCHITECT PRIOR TO START OF WORK. CONTRACTOR TO COORDINATE FIRE SPRINKLER AND FIRE ALARM DEVICE LOCATIONS WITH ARCHITECT PRIOR TO SUBMITTING FOR PERMIT. WHERE APPLICABLE CENTER SPRINKLER HEADS IN CEILING TIME, ALIGN SPEAKERS, SMOKE DETECTORS, MOTION SENSORS AND RELATED CEILING MOUNTED DEVICES WITH LIGHTING FIXTURE CENTERLINES AND CENTER OF CEILING TILE, LOCATE HVAC DIFFUSERS
- IN GYP BD CEILINGS AS SHOW ON ARCHITECTURAL R.C.P, WHERE OCCURS. . LOCATE EXIT SIGNS VERTICALLY ABOVE THE FINISH FLOOR TO INSURE SIGHT LINES ARE NOT BLOCKED BY LIGHT FIXTURES, BEAMS, SOFFITS, DROPPED CEILINGS, DUCTWORK, CONDUIT BANKDS, PIPING AND RELATED OVERHEAD WORK. ALL EXISTING TO REMAIN LIGHT FIXTURES (PENDANTS AND CANS) TO BE RE-LAMPED WITH LED'S AND RELOCATED OVER NEW TABLES LOCATIONS AS REQUIRED FOR PROPER LIGHT LEVELS. ANY PENDANT

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REASON

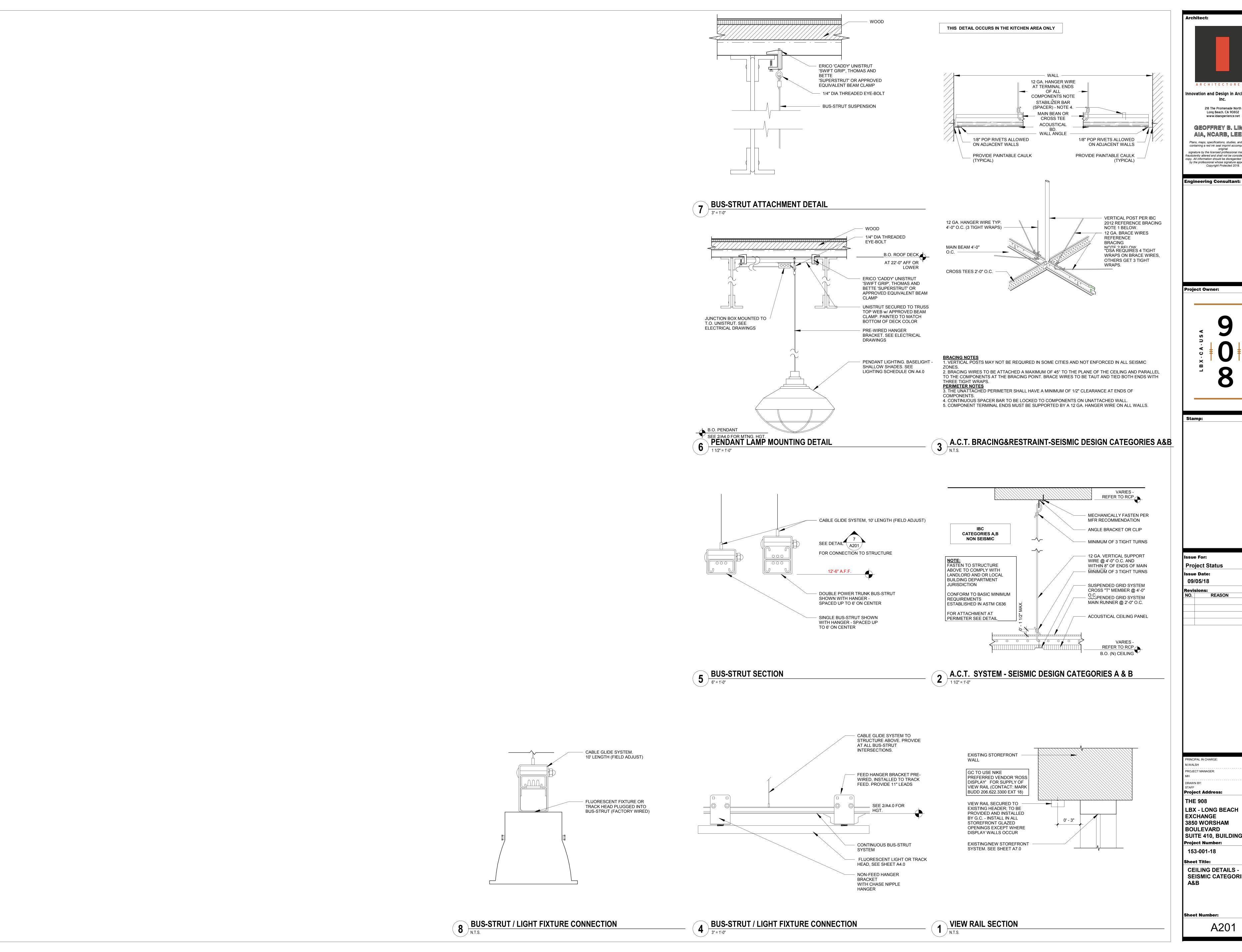
09/05/18

PROJECT MANAGER:

LBX - LONG BEACH **EXCHANGE** 3850 WORSHAM BOULEVARD

SUITE 410, BUILDING (TYP) **Project Number:** 153-001-18

Sheet Title: REFLECTED CEILING LIGHTING PLAN





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**Engineering Consultant:** 

Issue For: Project Status

09/05/18 DATE REASON

PRINCIPAL IN CHARGE:

PROJECT MANAGER:

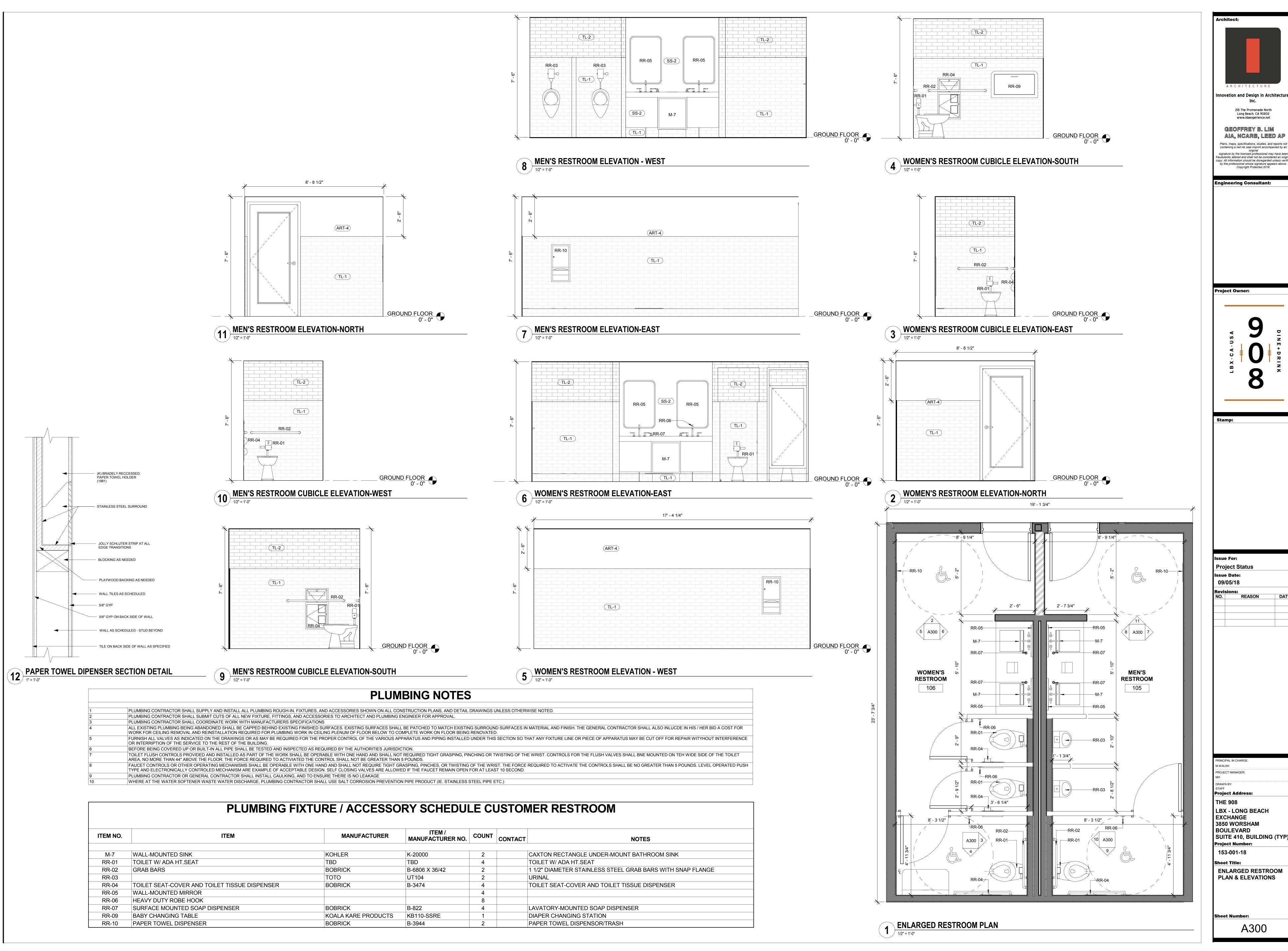
LBX - LONG BEACH EXCHANGE

BOULEVARD SUITE 410, BUILDING (TYP) Project Number:

153-001-18 Sheet Title:

SEISMIC CATEGORIES

Sheet Number:



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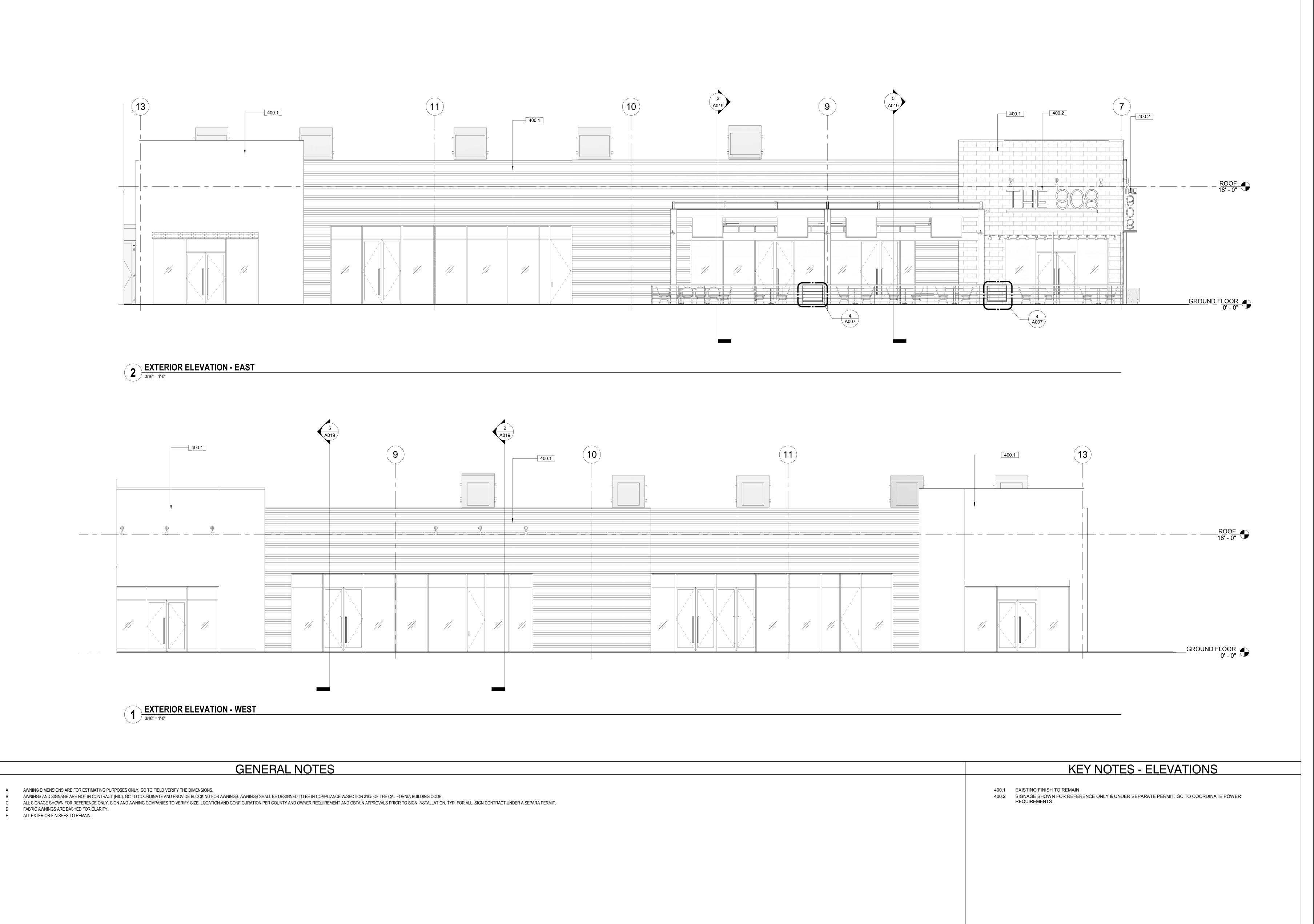
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153-001-18

**ENLARGED RESTROOM PLAN & ELEVATIONS** 

Sheet Number:



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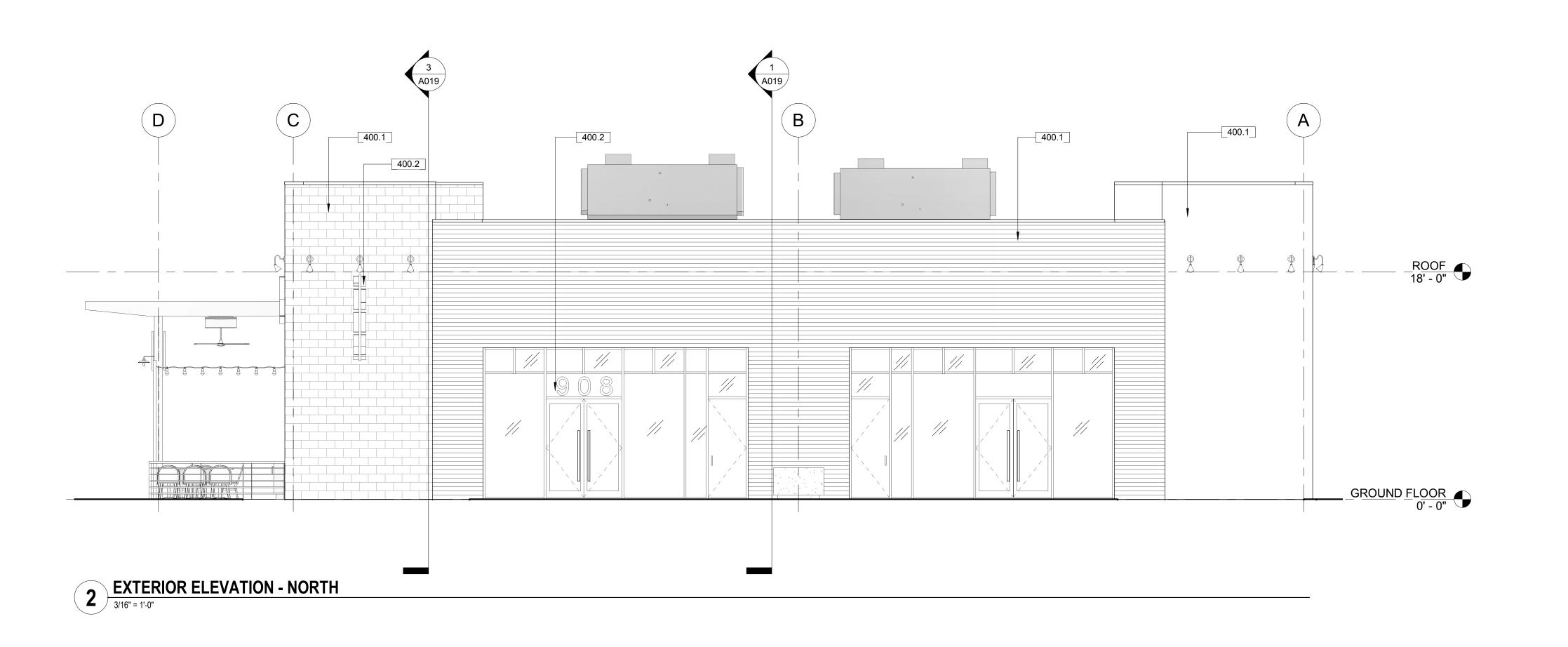
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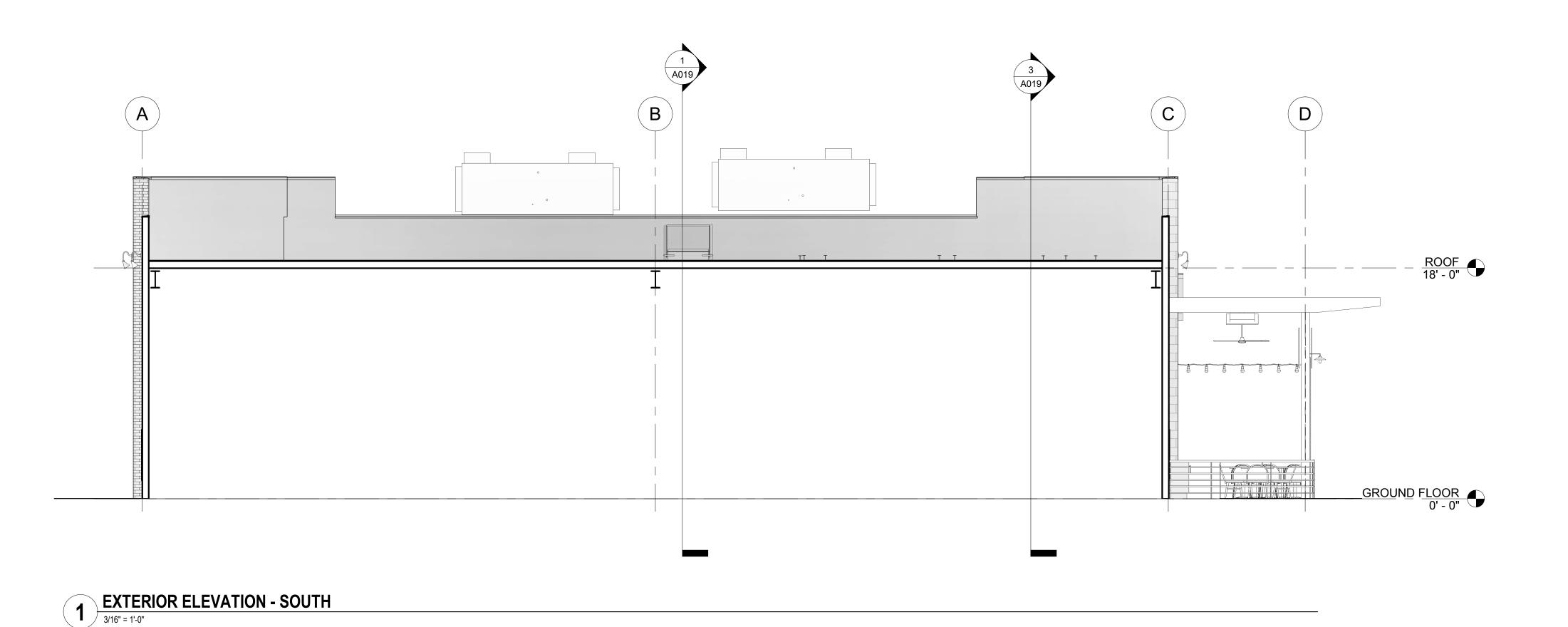
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EXCHANGE
3850 WORSHAM
BOULEVARD
SUITE 410, BUILDING (TYP)

153-001-18

EXTERIOR ELEVATIONS





**GENERAL NOTES KEY NOTES - ELEVATIONS** 

AWNING DIMENSIONS ARE FOR ESTIMATING PURPOSES ONLY. GC TO FIELD VERIFY THE DIMENSIONS. AWNINGS AND SIGNAGE ARE NOT IN CONTRACT (NIC). GC TO COORDINATE AND PROVIDE BLOCKING FOR AWNINGS. AWNINGS SHALL BE DESIGNED TO BE IN COMPLIANCE W/SECTION 3105 OF THE CALIFORNIA BUILDING CODE.

ALL SIGNAGE SHOWN FOR REFERENCE ONLY. SIGN AND AWNING COMPANIES TO VERIFY SIZE, LOCATION AND CONFIGURATION PER COUNTY AND OWNER REQUIREMENT AND OBTAIN APPROVALS PRIOR TO SIGN INSTALLATION, TYP. FOR ALL. SIGN CONTRACT UNDER A SEPARA PERMIT.

FABRIC AWNINGS ARE DASHED FOR CLARITY. E ALL EXTERIOR FINISHES TO REMAIN.

EXISTING FINISH TO REMAIN

SIGNAGE SHOWN FOR REFERENCE ONLY & UNDER SEPARATE PERMIT. GC TO COORDINATE POWER REQUIREMENTS.

PROJECT MANAGER:

09/05/18

REASON

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Engineering Consultant:

Geoffrey B. Lim

153-001-18

EXTERIOR ELEVATIONS



DAINT NOTE	
PAINT NOTE	S
UNLESS OTHERWISED SPECIFIED, ALL AREAS TO BE PAINTED IN ACCORDANCE WITH FINISH PLAN.	
ALL WALLS AND CEILING SHALL BE PROPERLY PREPARED, SPACKLED SANDED ETC. TO PROVIDE A PERFECTLY SMOOTH FINISH AND SU	JRFACE F

5 INTERIOR ELEVATION-DINING EAST
3/16" = 1'-0"

ALL WALLS AND CEILING SHALL BE PROPERLY PREPARED, SPACKLED SANDED ETC. TO PROVIDE A PERFECTLY SMOOTH FINISH AND SURFACE READY FOR PRIME AND PAINT.

ALL LOOSE PAINT SHALL BE REMOVED AND SPACKLED OR PLASTER PATCHED

ALL UNEVENNESS IN PARTITIONS SHALL BE SANDED OR CHIPPED AWAY AND SURFACES PLASTER-PATCH OR SPACKLED TO ENSURE EVEN SURFACE

ALL PAINTED DOORS SHALL RECEIVING PRIMING SANDING AND TWO FULL COATS OF SEMIGLASS ENAMEL FREE OR BRUSH MARKS, UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL SWITCH PLATES AND OUTLET PLATES, SURFACE HARDWARE ETC, PRIOR TO PAINTING, PROTECTING AND REPLACING SAME WHEN PAINTING HAS BEEN COMPLETED. GC SHALL REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLISHED OR SPLASTERED ON SURFACES, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, DIFFUSERS, REFISTERS AND SLAB FITTING ETC.

THE CONTRACTOR SHALL USE A LATEX BASE PAINT IN COLORS AND FINISHES SELECTED BY ARCHITECT. CONTRACTOR SHALL PROPERLY PREPARE ALL SURFACE TO RECEIVE ONE (1) PRIME COAT AND (2) FINISH COATS OF PAINT IN COLOR SELECTED BY ARCHITECT.

SELECTED BY ARCHITECT.

8 THE CONTRACTOR SHALL EXAMINE ALL AREAS OF CONSTRUCTION AFTER COMPLETE OF WORK BY ALL TRADES AND INDICATE ALL NECESSARY "TOUCH-UP" PAINTING AND/OR PATCHING

9 IT IS THE INTENT OF THE DRAWING THAT ALL EXPOSE SURFACE RECEIVE FINISHES AS INDICATED ON THE DRAWINGS OR IN THE SPECIFICATION UNLESS SPECIFICALLY NOTED OTHERWISE. ANY SURFACE WHICH DO NOT HAVE A SPECIFICATION FINISH NOTED OR ARE NOTED TO REMAIN UNFINISHED SHALL BE BROUGHT TO ATTENTION TO ARCHITECT AND FINISHED PER ARCHITECT'S INSTRUCTION.

FINISH FRONT SIDE, BACK SIDE AND DOOR EDGE AT STRIKE SIDE AND HINGE SIDE, LEAVE TOP AND BOTTOM UNPAINTED TO PREVENT WRAPING

CONTRACTOR IS TO INSTALL CERAMIC TILE IN ACCORDANCE WITH ANSI/TCA A108.5 INSTALLATION SPECIFICATION MORTAR BED SHALL BE A THING SET BOND COAT, DRY CEMENET MORTAR MEETING ANSI / TCA A166.4. GROUT SHALL BE CEMENT DRY CURE TYPE WITH LATEX ADDITIVE FOR STRENGTH AND ACID RESISTANCE, COLOR TO BE SPECIFIEDBY ARCHITECT. PROVIDE NECESSARY CAPS, STOPS, RETURNS, TRIMMERS, AND OTHER SHARPS TO COMPLETE INSTALLATION. PROVIDE COVE TYPE BASE TO MATCH WALL WHERE WALL TILE IS USE. OTHERWISE MATCH COLOR OF FLOOR TILE. PROVIDE THREHOLD AT WALL OR FRAME OPENING TO OTHER BUILDING AREA NOT RECEIVING CERAMIC TILE FLOOR FINISH.

## MATERIAL NOTES:

1. CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 IN ACCORDANCE WITH CFC 807.2 OR BE NONCOMBUSTIBLE

**INTERIOR ELEVATION-DINING SOUTH** 

2. ACCEPTANCE CRITERIA AND REPORTS. WHERE REQUIRED TO EXHIBIT IMPROVED FIRE PERFORMANCE, CURTAINS, DRAPERIES, FABRIC HANGINGS AND OTHER SIMILAR COMBUSTIBLE DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL BE FLAME RESISTANT IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 CHAPTER 8. REPORTS OF TEST RESULTS SHALL BE PREPARED IN ACCORDANCE WITH THE TEST METHOD USED AND FURNISHED TO THE FIRE CODE OFFICIAL UPON REQUEST. (CFC 807.4)

3. WALL, FLOOR AND CEILING SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC T -803.3

PART, BY ANY DECORATIVE MATERIAL. (T-19, DIV. 1, CHAPTER 1, SUBCHAPTER 1, ARTICLE 3, SECTION 3.08)

4. IN EVERY GROUP-A OCCUPANCY, ALL DRAPES, HANGINGS, CURTAINS, DROPS, AND ALL OTHER DECORATIVE MATERIAL, INCLUDING CHRISTMAS TREES, THAT WOULD TEND TO INCREASE THE FIRE AND PANIC HAZARD SHALL BE MADE FROM A NONFLAMMABLE MATERIAL, OR SHALL BE TREATED AND MAINTAINED IN A FLAME-RETARDANT CONDITION B MEANS OF A FLAME-RETARDANT SOLUTION OR PROCESS APPROVED BY THE STATE FIRE MARSHAL. EXISTS, EXIT LIGHTS, FIRE ALARM SENDING STATIONS AND FIRE EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED, IN WHOLE OR IN

ARCHITECTURE

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neering Consultant:

Project Owner:

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Issue For:
Project Status
Issue Date:
09/05/18

REASON

ICIPAL IN CHARGE: ALSH

PROJECT MANAGER:

STAFF
Project Address:
THE 908

THE 908

LBX - LONG BEACH

EXCHANGE

3850 WORSHAM

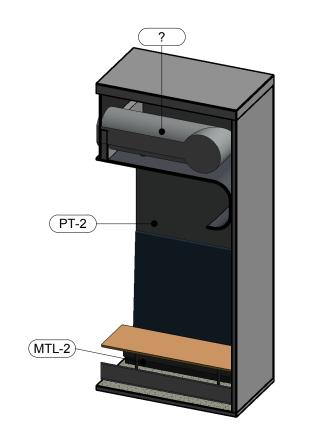
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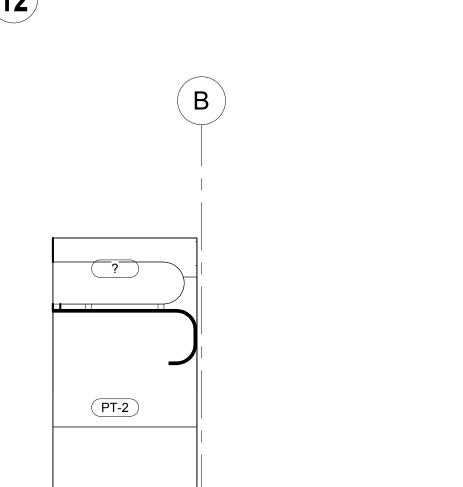
Project Number: 153-001-18

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INTERIOR ELEVATIONS

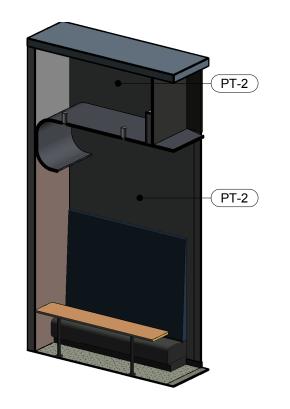
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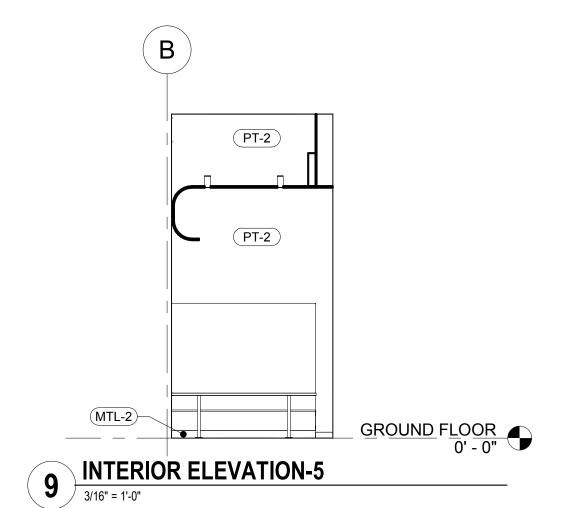
12 3D VIEW INTERIOR ELEVATION-6

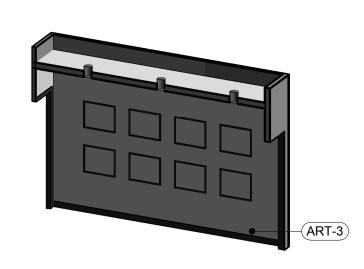


INTERIOR ELEVATION-6

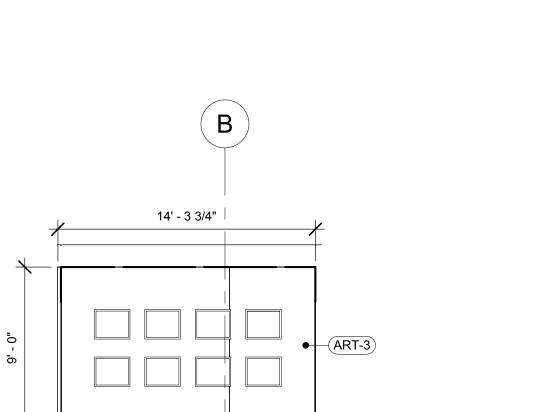


10 3D VIEW INTERIOR ELEVATION-5

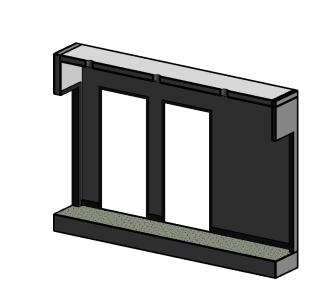




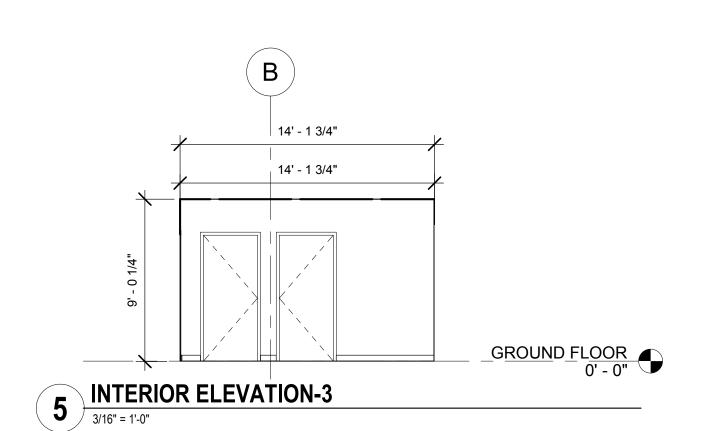
8 3D VIEW INTERIOR ELEVATION-4

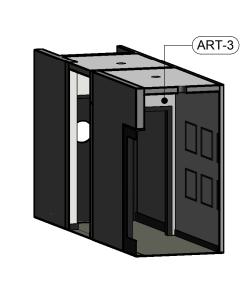


7 INTERIOR ELEVATION-4
3/16" = 1'-0"

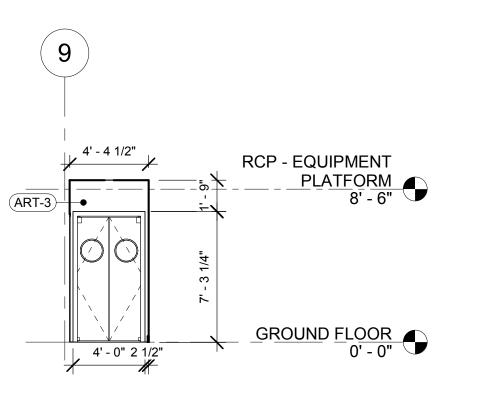


6 3D VIEW INTERIOR ELEVATION-3

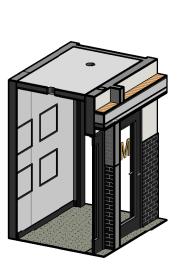




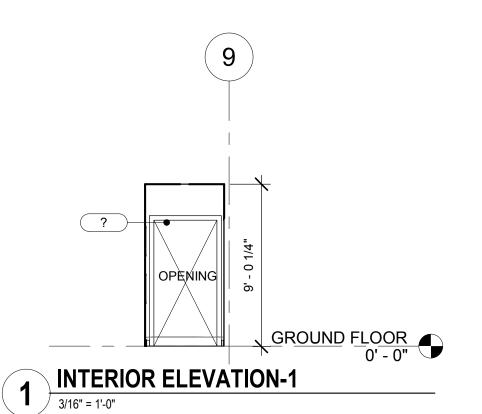
4 3D VIEW INTERIOR ELEVATION-2



3 INTERIOR ELEVATION-2
3/16" = 1'-0"



2 3D VIEW INTERIOR ELEVATION-1



		MANUFACTURER/DIST			MATE! AL
MARK	DESCRIPTION	RIBUTOR	MODEL/STYLE	COMMENTS	AREA
ART-1	CUSTOM PRINTED WALLPAPER - BAR	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		410 SF
ART-2	CUSTOM PRINTED WALLPAPER - DINING	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		246 SF
ART-3	CUSTOM PRINTED WALLPAPER - HALLWAY	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		156 SF
ART-4	CUSTOM PRINTED WALLPAPER - RESTROOM	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		843 SF
CON-2	PAINTED CONCRETE	TBD	CUSTOM ARTWORK AND PAINT TO MATCH PT-1 COLOR SPECIFICATION	SEE FLOOR FINISH PLAN	357 SF
CT-1	24 x 48 ACT	ARMSTRONG	KITCHENZONE 24x48" SQUARE LAY-IN # 672;		669 SF
M-3	PORCELAIN SLAB	DEKTON/JOSE FERNANDO ARAN AGUILA/JFARAN@CONSENTIN	712-I110204 SAND DRIFT	PATIO TABLETOPS	240 SF
MMA-1		O.COM			1169 SF
MTL-1	METAL	COMMODITY / CPS GARTEN/LETICIA CASTANEDA/LETICIA@CPSGA RTEN.COM	COMMODITY TO MATCH / CHEMETAL - 337 AGED BRASS	GC TO QUOTE CHEMETAL AND COMMODITY FOR OWNER AND ARCHITECT REVIEW. GC TO FINAL SUBMIT SAMPLE TO ARCHITECT FOR	1520 SF
MTL-2	METAL	COMMODITY BY G.C.		APPROVAL GC to coordinate with architect for final specifications and approval of final	3290 SF
MTL-3	METAL LAMINATE	CHEMETAL/LETICIA CASTANEDA/LETICIA@CPSGA RTEN.COM	#618 Black & Tan Aluminum	samples. MILLWORK	17 SF
PL-1	PLASTIC LAMINATE	PANOLAM/SANDRA TODD/SANDRA_TODD@PANOL AM.COM	S6053-LR JETT BLACK SOFT LEATHER FINISH	MILLWORK & TABLETOPS	384 SF
PT-1	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWA RDS.COM	DEC793 CHALKY	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	934 SF
PT-2	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWA RDS.COM	DE6363 POINTED ROCK	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	3545 SF
PT-3	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWA RDS.COM	DEA184 PARISIAN NIGHT	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE -	972 SF
PT-4	PAINT	DUNN EDWARDS/LARRY	DE6371 BLACKJACK	GLOSS SHEEN: SOFFITS	2108 SF
		LOO/LARRY.LOO@DUNNEDWA RDS.COM		& CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE -	
PT-5	PAINT	SCUFFMASTER/Anne Konie/Anne.Konie@wolfgordon.c	TBD	GLOSS	2030 SF
PT-6	PAINT	TIGER DRY-LAC	CUSTOM POWDER COAT TO MATCH PT-4	WALL BASE GC TO USE CERTIFIED INSTALLER	11763 SI
SS-1	LARGE FORMAT PORCELAIN SLAB	PORCELANOSA/JANEL HAHN/JHAHN@PORCELANOSA -USA.COM	AURA GOLD POLISHED		548 SF
SS-2	SOLID SURFACE	CAMBRIA/KELLY CAMPISI/KELLY.CAMPISI@CAM BRIAUSA.COM	RIDGELINE EDGE	RESTROOM VANITY & WALL CLADDING	243 SF
TL-1	CERAMIC TILE	ROCA/SEBASTIAN	PROFILE  COLOR COLLECTION  PRICHE BLACK: 4240	GROUT: MAPEI 00	889 SF
TL-2	PORCELAIN TILE	US.ROCA.COM ROCA/SEBASTIAN	BRIGHT BLACK; 4X10  CC MOSAICS 2X4	GROUT: MAPEI O1	528 SF
TL-3	PORCELAIN TILE	PELAEZ/SEBASTIAN.PELAEZ@ US.ROCA.COM CROSSVILLE/MONICA FARLEY/MORICA	U081BV-12M WHITE ICE BRIGHT BEVELED SHADES - INK UPS AV249 24x24	4" RAISED CURB; GROUT: MAPEI 01	213 SF
TX-1	BLUE VINYL	LEINC.COM  APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTI	SGL-108 GLAZE REGATTA	BLACK	186 SF
TX-3	BLACK VINYL	LES.COM  APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTI LES.COM	CAR00975 CARTHAGE BLACK		513 SF
TX-6	GREEN/YELLOW UPHOLSTERY	PALLAS/MARY DAVIS/MARY.DAVIS@PALLAST EXTILES.COM	27.251.085 SUJI STRIPE PARROT		749 SF
TX-9	GREY VINYL	TRI-KES/TINA CARRILLO/T.CARRILLO@TRI-K ES.COM	UHN-ES-05 GREY EAGLE		1599 SF
WD-1	MILLWORK WOOD FINISH		MAPLE OR BIRCH PLAIN SAWN W/ COLORED STAIN TO MATCH WILSONART HARVEST MAPLE 7953	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS	1933 SF
WD-2	VENEER WOOD	WOLF GORDON/ANNE KONIE/ANNE.KONIE@WOLFGO RDON.COM	GOH11722922 - WVF108 RED GUM, QTD MATTE CLEAR FINISH FOR TABLETOP USE	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS	295 SF
WD-3	EXTERIOR FAUX WOOD	TREX	Enhance, Clam Shell	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS	64 SF

## AINT NOTES

- UNLESS OTHERWISED SPECIFIED, ALL AREAS TO BE PAINTED IN ACCORDANCE WITH FINISH PLAN.
   ALL WALLS AND CEILING SHALL BE PROPERLY PREPARED, SPACKLED SANDED ETC. TO PROVIDE A PERFECTLY SMOOTH FINISH AND SURFACE READY FOR PRIME AND PAINT.
- 3 ALL LOOSE PAINT SHALL BE REMOVED AND SPACKLED OR PLASTER PATCHED
  4 ALL UNEVENNESS IN PARTITIONS SHALL BE SANDED OR CHIPPED AWAY AND SURFACES PLAST
- 4 ALL UNEVENNESS IN PARTITIONS SHALL BE SANDED OR CHIPPED AWAY AND SURFACES PLASTER-PATCH OR SPACKLED TO ENSURE EVEN SURFACE
  5 ALL PAINTED DOORS SHALL RECEIVING PRIMING SANDING AND TWO FULL COATS OF SEMIGLASS ENAMEL FREE OR BRUSH MARKS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL SWITCH PLATES AND OUTLET PLATES, SURFACE HARDWARE ETC, PRIOR TO PAINTING, PROTECTING AND REPLACING SAME WHEN PAINTING HAS BEEN COMPLETED. GC SHALL REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLISHED OR SPLASTERED ON SURFACES, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, DIFFUSERS, REFISTERS AND SLAB FITTING ETC.
- 7 THE CONTRACTOR SHALL USE A LATEX BASE PAINT IN COLORS AND FINISHES SELECTED BY ARCHITECT. CONTRACTOR SHALL PROPERLY PREPARE ALL SURFACE TO RECEIVE ONE (1) PRIME COAT AND (2) FINISH COATS OF PAINT IN COLOR SELECTED BY ARCHITECT.
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  IT IS THE INTENT OF THE DRAWING THAT ALL EXPOSE SURFACE RECEIVE FINISHES AS INDICATED ON THE DRAWINGS OR IN THE SPECIFICATION UNLESS SPECIFICALLY NOTED OTHERWISE. ANY SURFACE WHICH DO NOT HAVE A SPECIFICATION FINISH NOTED OR ARE NOTED TO REMAIN UNFINISHED SHALL BE BROUGHT TO ATTENTION TO ARCHITECT AND FINISHED PER ARCHITECT'S INSTRUCTION.
- FINISH FRONT SIDE, BACK SIDE AND DOOR EDGE AT STRIKE SIDE AND HINGE SIDE, LEAVE TOP AND BOTTOM UNPAINTED TO PREVENT WRAPING

  11 CONTRACTOR IS TO INSTALL CERAMIC TILE IN ACCORDANCE WITH ANSI/TCA A108.5 INSTALLATION SPECIFICATION MORTAR BED SHALL BE A THING SET BOND COAT, DRY CEMENET MORTAR MEETING ANSI / TCA A166.4. GROUT SHALL BE CEMENT DRY CURE TYPE WITH LATEX ADDITIVE FOR STRENGTH AND ACID RESISTANCE, COLOR TO BE SPECIFIEDBY ARCHITECT. PROVIDE NECESSARY CAPS, STOPS, RETURNS, TRIMMERS, AND OTHER SHARPS TO COMPLETE INSTALLATION. PROVIDE COVE TYPE BASE TO MATCH WALL WHERE WALL TILE IS USE. OTHERWISE MATCH COLOR OF FLOOR TILE. PROVIDE THREHOLD AT WALL OR FRAME OPENING TO OTHER BUILDING AREA NOT RECEIVING CERAMIC TILE FLOOR FINISH.

## MATERIAL NOTES:

1. CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 IN ACCORDANCE WITH CFC 807.2 OR BE

2. ACCEPTANCE CRITERIA AND REPORTS. WHERE REQUIRED TO EXHIBIT IMPROVED FIRE PERFORMANCE, CURTAINS, DRAPERIES, FABRIC HANGINGS AND OTHER SIMILAR COMBUSTIBLE DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL BE FLAME RESISTANT IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 CHAPTER 8. REPORTS OF TEST RESULTS SHALL BE PREPARED IN ACCORDANCE WITH THE TEST METHOD USED AND FURNISHED TO THE FIRE CODE OFFICIAL UPON REQUEST. (CFC 807.4)

3. WALL, FLOOR AND CEILING SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC T -803.3

4. IN EVERY GROUP-A OCCUPANCY, ALL DRAPES, HANGINGS, CURTAINS, DROPS, AND ALL OTHER DECORATIVE MATERIAL, INCLUDING CHRISTMAS TREES, THAT WOULD TEND TO INCREASE THE FIRE AND PANIC HAZARD SHALL BE MADE FROM A NONFLAMMABLE MATERIAL, OR SHALL BE TREATED AND MAINTAINED IN A FLAME-RETARDANT CONDITION B MEANS OF A FLAME-RETARDANT SOLUTION OR PROCESS APPROVED BY THE STATE FIRE MARSHAL. EXISTS, EXIT LIGHTS, FIRE ALARM SENDING STATIONS AND FIRE EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED, IN WHOLE OR IN PART, BY ANY DECORATIVE MATERIAL. (T-19, DIV. 1, CHAPTER 1, SUBCHAPTER 1, ARTICLE 3, SECTION 3.08)

ARCHITECTURE

Innovation and Design in Architecture
Inc.

218 The Promenade North
Long Beach, CA 90802
www.idaeynerience.net

GEOFFREY B. LIM
AIA, NCARB, LEED AP

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Issue For:
Project Status
Issue Date:
09/05/18

AL IN CHARGE:

ALSH JECT MANAGER:

DRAWN BY: STAFF **Project Address:** 

THE 908

LBX - LONG BEACH
EXCHANGE
3850 WORSHAM
BOULEVARD

SUITE 410, BUILDING (TYP)
Project Number:
153-001-18

Sheet Title:

INTERIOR ELEVATIONS

Sheet Number:

			MATERIAL SC	HEDULE	_1	
MARK	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS		MATERIAL AREA
		R MDC Wallcoverings/Sheri Black/sblack@mdcwall.com			410 SF	
ART-2	CUSTOM PRINTED WALLPAPER - DINING	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		246 SF	
ART-3	CUSTOM PRINTED WALLPAPER - HALLWAY	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		156 SF	
ART-4	CUSTOM PRINTED WALLPAPER - RESTROOM	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		843 SF	
CON-2	PAINTED CONCRETE	TBD	CUSTOM ARTWORK AND PAINT TO MATCH PT-1 COLOR SPECIFICATION	SEE FLOOR FINISH PLAN	357 SF	
CT-1	24 x 48 ACT	ARMSTRONG	KITCHENZONE 24x48" SQUARE LAY-IN # 672	).	669 SF	
M-3	PORCELAIN SLAB	DEKTON/JOSE FERNANDO ARAN AGUILA/JFARAN@CONSENTINO.COM	712-I110204 SAND DRIFT	PATIO TABLETOPS	240 SF	
MMA-1					1169 SF	
MTL-1	METAL	COMMODITY / CPS GARTEN/LETICIA CASTANEDA/LETICIA@CPSGARTEN.COM	COMMODITY TO MATCH / CHEMETAL - 337 AGED BRASS	GC TO QUOTE CHEMETAL AND COMMODITY FOR OWNER AND ARCHITECT REVIEW. GC TO FINAL SUBMIT SAMPLE TO ARCHITECT FOR APPROVAL		
MTL-2	METAL	COMMODITY BY G.C.		GC to coordinate with architect for final specifications and approval of final samples.	3290 SF	
MTL-3	METAL LAMINATE	CHEMETAL/LETICIA CASTANEDA/LETICIA@CPSGARTEN.COM	#618 Black & Tan Aluminum	MILLWORK	17 SF	
PL-1	PLASTIC LAMINATE	PANOLAM/SANDRA TODD/SANDRA_TODD@PANOLAM.COM	S6053-LR JETT BLACK SOFT LEATHER FINISH	MILLWORK & TABLETOPS	384 SF	

			_1		
MARK	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS	MATERIAL AREA
PT-1	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DEC793 CHALKY	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	934 SF
PT-2	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DE6363 POINTED ROCK	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	3545 SF
PT-3	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DEA184 PARISIAN NIGHT	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	972 SF
PT-4	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DE6371 BLACKJACK	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	2108 SF
PT-5	PAINT	SCUFFMASTER/Anne Konie/Anne.Konie@wolfgordon.com	TBD		2030 SF
PT-6	PAINT	TIGER DRY-LAC	CUSTOM POWDER COAT TO MATCH PT-4	WALL BASE GC TO USE CERTIFIED INSTALLER	11763 SF
SS-1	LARGE FORMAT PORCELAIN SLAB	PORCELANOSA/JANEL HAHN/JHAHN@PORCELANOSA-USA.COM	AURA GOLD POLISHED		548 SF
SS-2	SOLID SURFACE	CAMBRIA/KELLY CAMPISI/KELLY.CAMPISI@CAMBRIAUSA.COM	6200 OXWICH GREEN; 2CM POLISHED W/ RIDGELINE EDGE PROFILE	RESTROOM VANITY & WALL CLADDING	243 SF
TL-1	CERAMIC TILE	ROCA/SEBASTIAN PELAEZ/SEBASTIAN.PELAEZ@US.ROCA.COM	COLOR COLLECTION BRIGHT BLACK; 4X10	GROUT: MAPEI 00 WHITE	889 SF
TL-2	PORCELAIN TILE	ROCA/SEBASTIAN PELAEZ/SEBASTIAN.PELAEZ@US.ROCA.COM	CC MOSAICS 2X4 U081BV-12M WHITE ICE BRIGHT BEVELED	GROUT: MAPEI O1 BLACK	528 SF

	MATERIAL SCHEDULE_1						
MARK	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS	MATERIAL AREA		
TL-3	PORCELAIN TILE	CROSSVILLE/MONICA FARLEY/MFARLEY@CROSSVILLEINC.COM	SHADES - INK UPS AV249 24x24	4" RAISED CURB; GROUT: MAPEI 01 BLACK	213 SF		
TX-1	BLUE VINYL	APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTILES.COM	SGL-108 GLAZE REGATTA		186 SF		
TX-3	BLACK VINYL	APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTILES.COM	CAR00975 CARTHAGE BLACK		513 SF		
TX-6	GREEN/YELLOW UPHOLSTERY	PALLAS/MARY DAVIS/MARY.DAVIS@PALLASTEXTILES.COM	27.251.085 SUJI STRIPE PARROT		749 SF		
TX-9	GREY VINYL	TRI-KES/TINA CARRILLO/T.CARRILLO@TRI-KES.COM	UHN-ES-05 GREY EAGLE		1599 SF		
WD-1	MILLWORK WOOD FINISH	COMMODITY BY G.C.	MAPLE OR BIRCH PLAIN SAWN W/ COLORED STAIN TO MATCH WILSONART HARVEST MAPLE 7953	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS			
WD-2	VENEER WOOD	WOLF GORDON/ANNE KONIE/ANNE.KONIE@WOLFGORDON.COM	GOH11722922 - WVF108 RED GUM, QTD MATTE CLEAR FINISH FOR TABLETOP USE	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS			
WD-3	EXTERIOR FAUX WOOD	TREX	Enhance, Clam Shell	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS			

## **MATERIAL NOTES:**

1. CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 IN ACCORDANCE WITH CFC 807.2 OR BE NONCOMBUSTIBLE

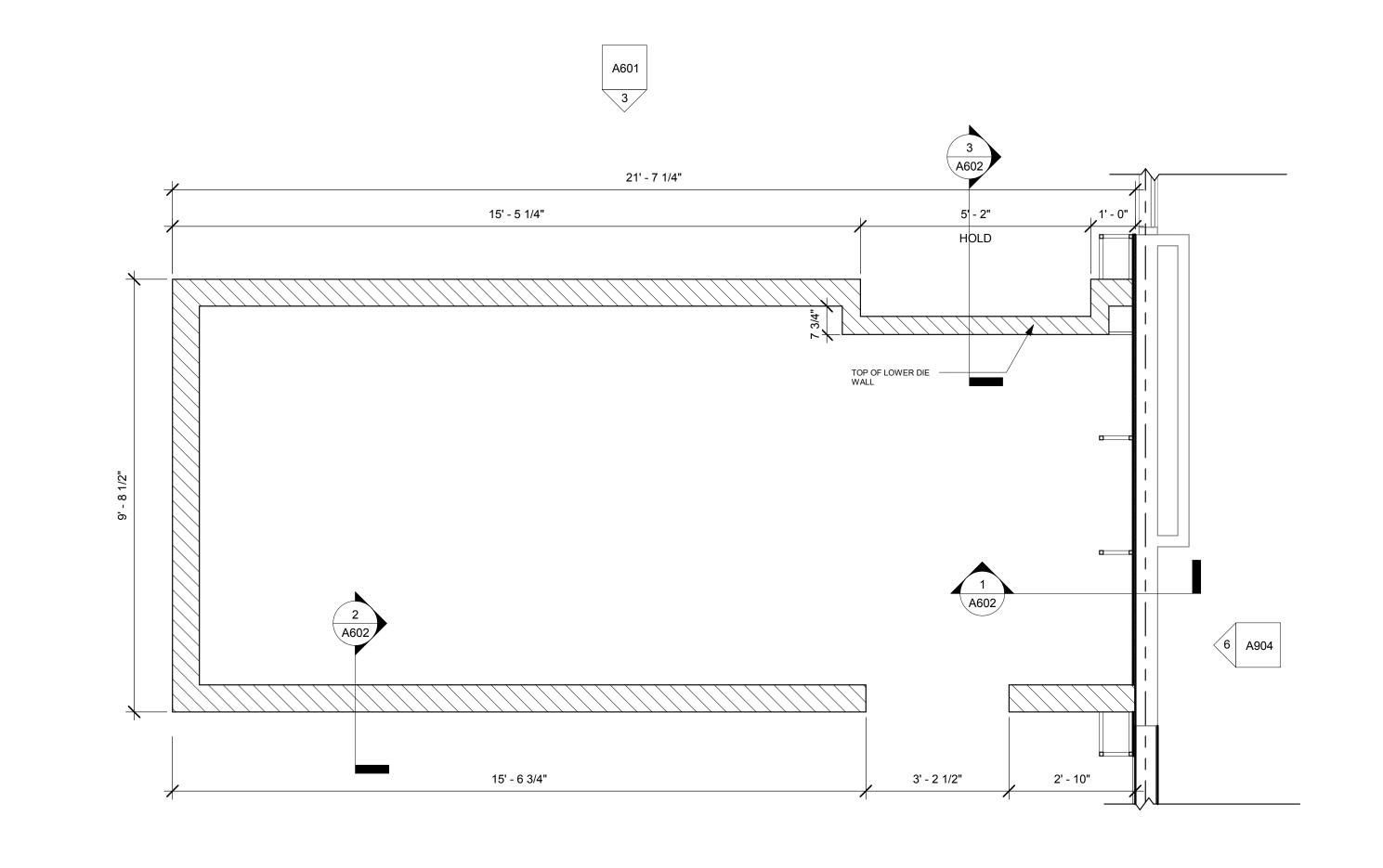
2. ACCEPTANCE CRITERIA AND REPORTS. WHERE REQUIRED TO EXHIBIT IMPROVED FIRE PERFORMANCE, CURTAINS, DRAPERIES, FABRIC HANGINGS AND OTHER SIMILAR COMBUSTIBLE DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL BE FLAME RESISTANT IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 CHAPTER 8. REPORTS OF TEST RESULTS SHALL BE PREPARED IN ACCORDANCE WITH THE TEST METHOD USED AND FURNISHED TO THE FIRE CODE OFFICIAL UPON REQUEST. (CFC 807.4)

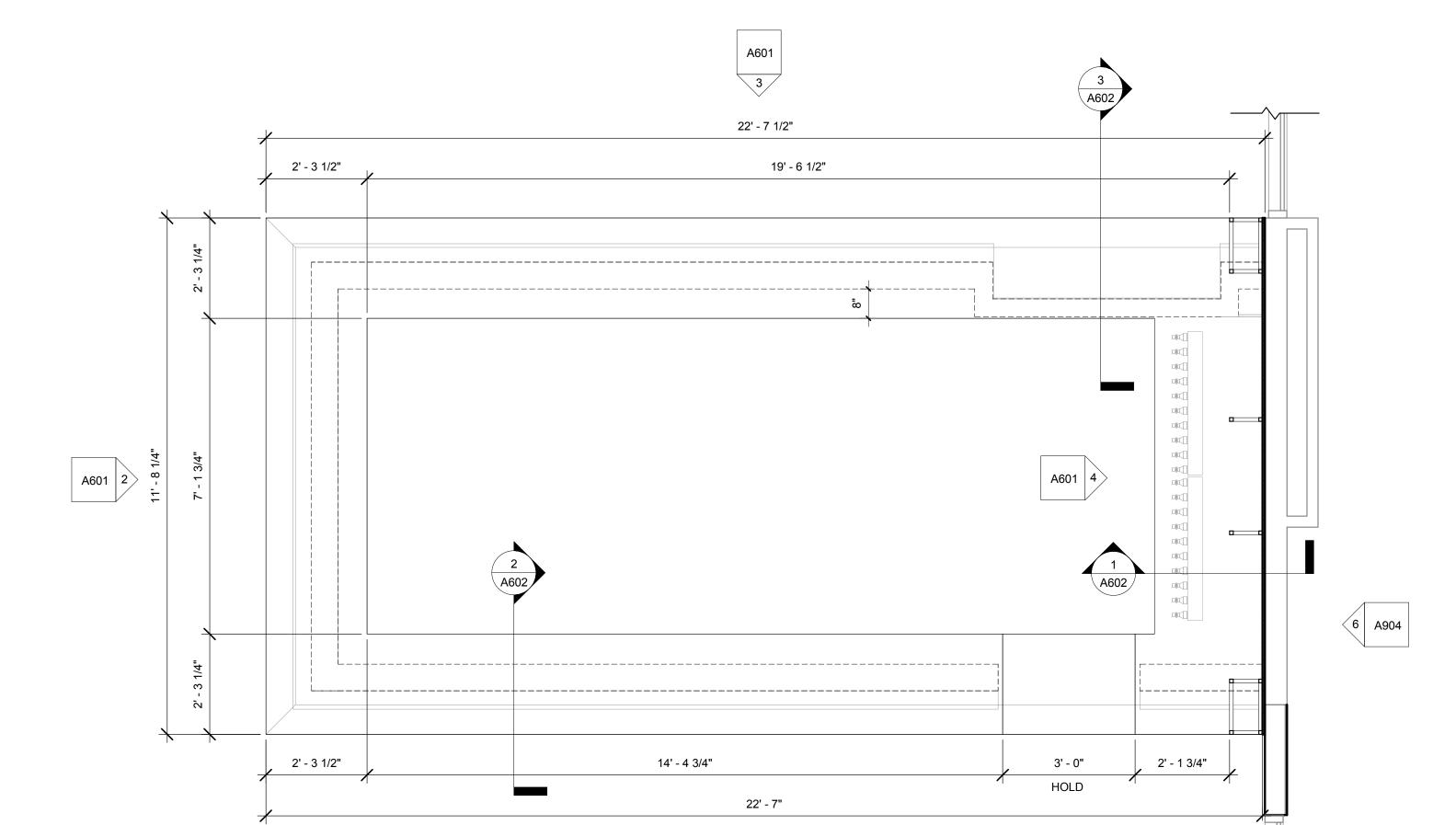
3. WALL, FLOOR AND CEILING SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC T -803.3

4. IN EVERY GROUP-A OCCUPANCY, ALL DRAPES, HANGINGS, CURTAINS, DROPS, AND ALL OTHER DECORATIVE MATERIAL, INCLUDING CHRISTMAS TREES, THAT WOULD TEND TO INCREASE THE FIRE AND PANIC HAZARD SHALL BE MADE FROM A NONFLAMMABLE MATERIAL, OR SHALL BE TREATED AND MAINTAINED IN A FLAME-RETARDANT CONDITION B MEANS OF A FLAME-RETARDANT SOLUTION OR PROCESS APPROVED BY THE STATE FIRE MARSHAL. EXISTS, EXIT LIGHTS, FIRE ALARM SENDING STATIONS AND FIRE EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED, IN WHOLE OR IN PART, BY ANY DECORATIVE MATERIAL. (T-19, DIV. 1, CHAPTER 1, SUBCHAPTER 1, ARTICLE 3, SECTION 3.08)

	PAINT NOTES
1	UNLESS OTHERWISED SPECIFIED, ALL AREAS TO BE PAINTED IN ACCORDANCE WITH FINISH PLAN.
2	ALL WALLS AND CEILING SHALL BE PROPERLY PREPARED, SPACKLED SANDED ETC. TO PROVIDE A PERFECTLY SMOOTH FINISH AND SURFACE READY FOR PRIME AND PAINT.
3	ALL LOOSE PAINT SHALL BE REMOVED AND SPACKLED OR PLASTER PATCHED
4	ALL UNEVENNESS IN PARTITIONS SHALL BE SANDED OR CHIPPED AWAY AND SURFACES PLASTER-PATCH OR SPACKLED TO ENSURE EVEN SURFACE
5	ALL PAINTED DOORS SHALL RECEIVING PRIMING SANDING AND TWO FULL COATS OF SEMIGLASS ENAMEL FREE OR BRUSH MARKS, UNLESS OTHERWISE NOTED.
6	THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL SWITCH PLATES AND OUTLET PLATES, SURFACE HARDWARE ETC, PRIOR TO PAINTING, PROTECTING AND REPLACING SAME WHEN PAINTING HAS BEEN COMPLETED. GC SHALL REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLISHED OR SPLASTERED ON SURFACES, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, DIFFUSERS, REFISTERS AND SLAB FITTING ETC.
7	THE CONTRACTOR SHALL USE A LATEX BASE PAINT IN COLORS AND FINISHES SELECTED BY ARCHITECT. CONTRACTOR SHALL PROPERLY PREPARE ALL SURFACE TO RECEIVE ONE (1) PRIME COAT AND (2) FINISH COATS OF PAINT IN COLOR SELECTED BY ARCHITECT.
8	THE CONTRACTOR SHALL EXAMINE ALL AREAS OF CONSTRUCTION AFTER COMPLETE OF WORK BY ALL TRADES AND INDICATE ALL NECESSARY "TOUCH-UP" PAINTING AND/OR PATCHING
9	IT IS THE INTENT OF THE DRAWING THAT ALL EXPOSE SURFACE RECEIVE FINISHES AS INDICATED ON THE DRAWINGS OR IN THE SPECIFICATION UNLESS SPECIFICALLY NOTED OTHERWISE. ANY SURFACE WHICH DO NOT HAVE A SPECIFICATION FINISH NOTED OR ARE NOTED TO REMAIN UNFINISHED SHALL BE BROUGHT TO ATTENTION TO ARCHITECT AND FINISHED PER ARCHITECT'S INSTRUCTION.
10	FINISH FRONT SIDE, BACK SIDE AND DOOR EDGE AT STRIKE SIDE AND HINGE SIDE, LEAVE TOP AND BOTTOM UNPAINTED TO PREVENT WRAPING
11	CONTRACTOR IS TO INSTALL CERAMIC TILE IN ACCORDANCE WITH ANSI/TCA A108.5 INSTALLATION SPECIFICATION MORTAR BED SHALL BE A THING SET BOND COAT, DRY CEMENET MORTAR MEETING ANSI / TCA A166.4. GROUT SHALL BE CEMENT DRY CURE TYPE WITH LATEX ADDITIVE FOR STRENGTH AND ACID RESISTANCE, COLOR TO BE SPECIFIEDBY ARCHITECT. PROVIDE NECESSARY CAPS, STOPS, RETURNS, TRIMMERS, AND OTHER SHARPS TO COMPLETE INSTALLATION.

PROVIDE COVE TYPE BASE TO MATCH WALL WHERE WALL TILE IS USE. OTHERWISE MATCH COLOR OF FLOOR TILE. PROVIDE THREHOLD AT WALL OR FRAME OPENING TO OTHER BUILDING AREA NOT RECEIVING CERAMIC TILE FLOOR FINISH.



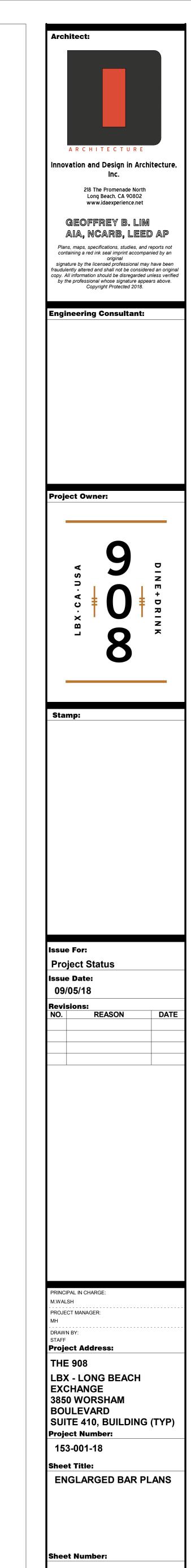


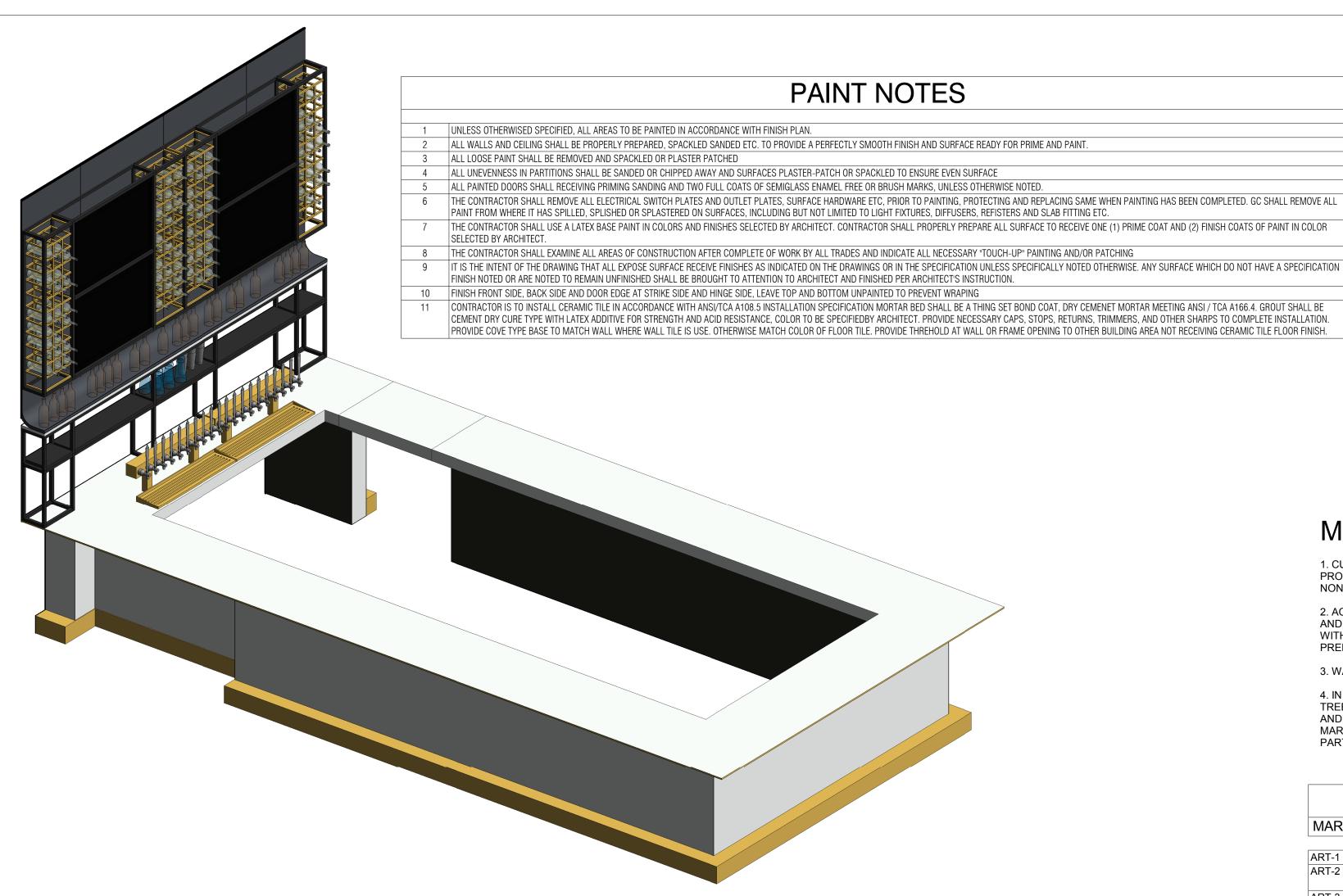
2 ENLARGED BAR PLAN - DIE WALLS

1/2" = 1'-0"

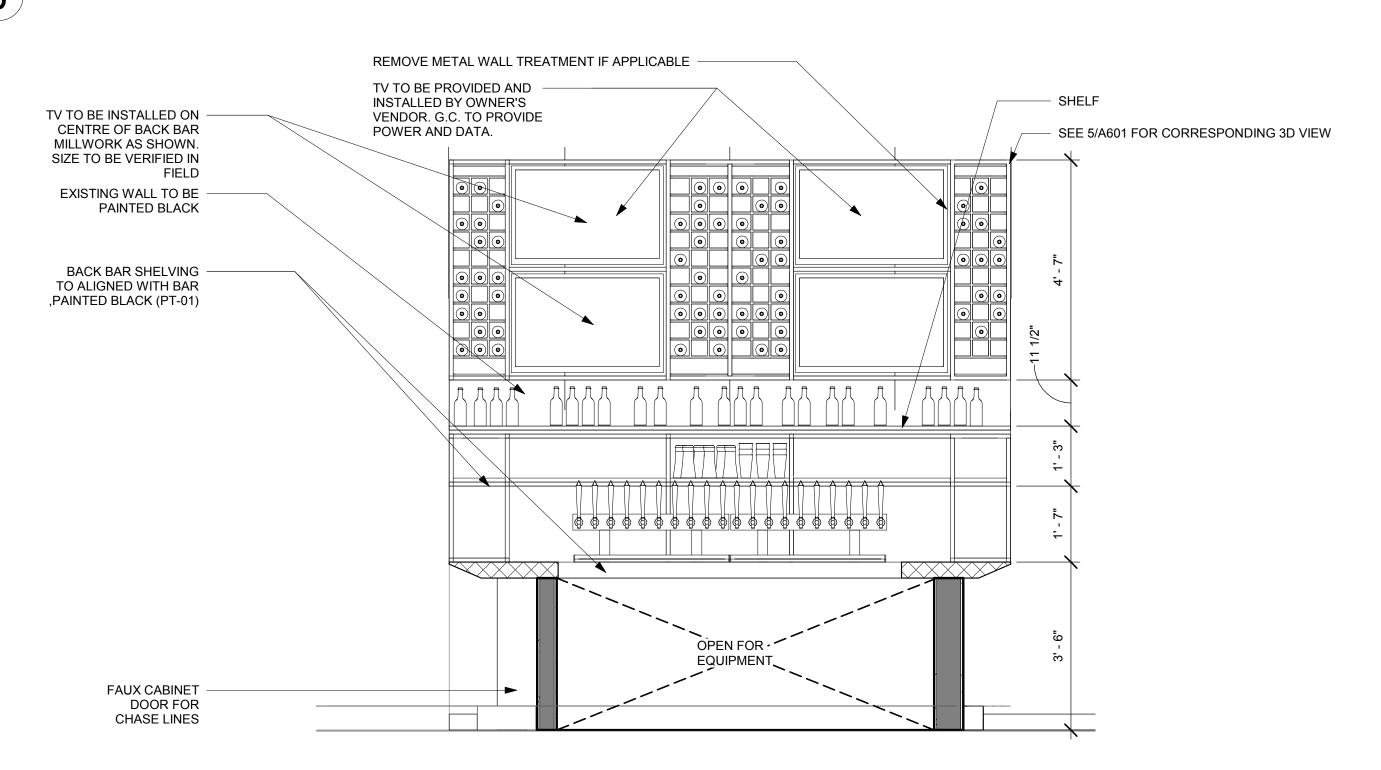
1 ENLARGED BAR PLAN - COUNTERTOPS

1/2" = 1'-0"



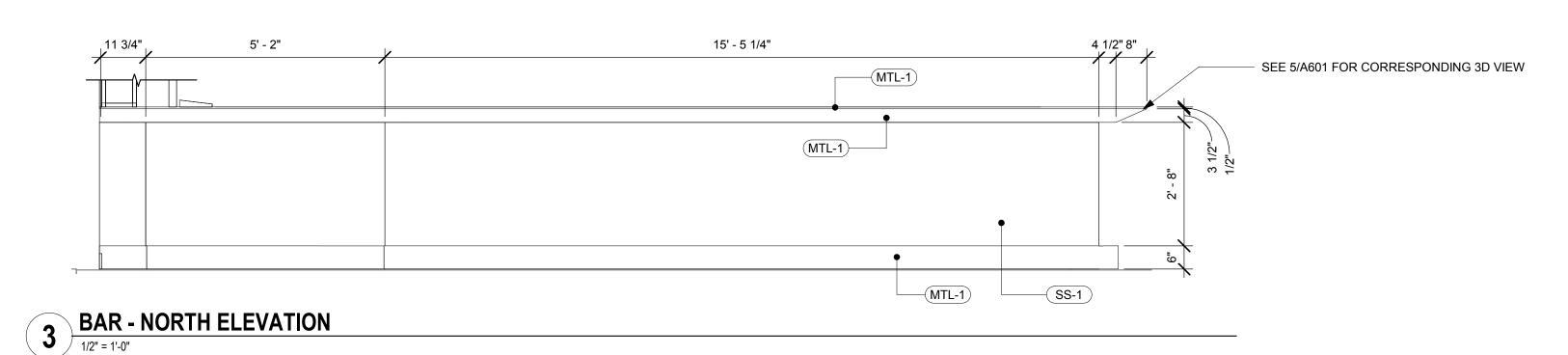


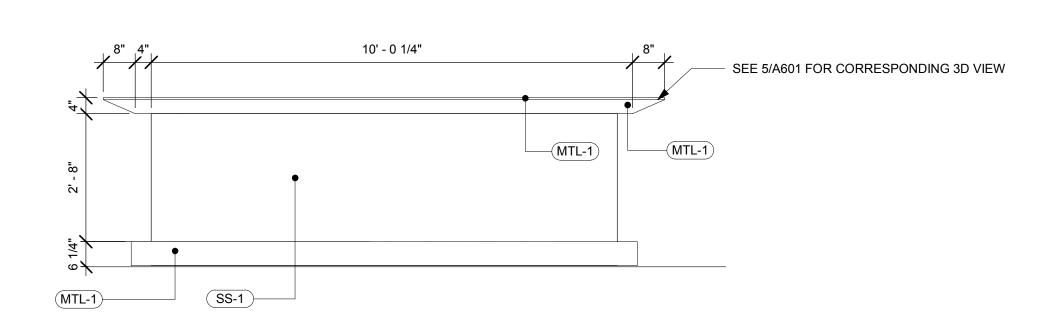
# 5 3D VIEW -BAR COUNTER TABLE-GUEST SIDE

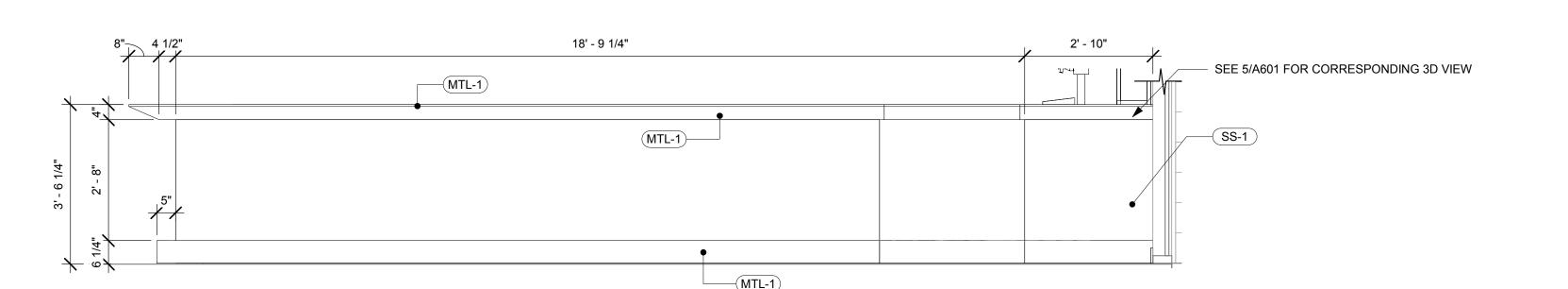


## 4 BAR INTERIOR ELEVATION - EAST 1/2" = 1'-0"

2 BAR - WEST ELEVATION
1/2" = 1'-0"







BAR - SOUTH ELEVATION

## **MATERIAL NOTES:**

NONCOMBUSTIBLE

1. CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 IN ACCORDANCE WITH CFC 807.2 OR BE

2. ACCEPTANCE CRITERIA AND REPORTS. WHERE REQUIRED TO EXHIBIT IMPROVED FIRE PERFORMANCE, CURTAINS, DRAPERIES, FABRIC HANGINGS AND OTHER SIMILAR COMBUSTIBLE DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL BE FLAME RESISTANT IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 CHAPTER 8. REPORTS OF TEST RESULTS SHALL BE PREPARED IN ACCORDANCE WITH THE TEST METHOD USED AND FURNISHED TO THE FIRE CODE OFFICIAL UPON REQUEST. (CFC 807.4)

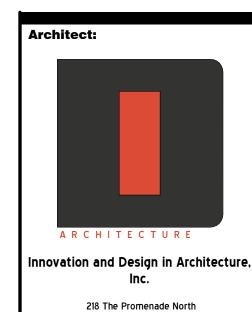
3. WALL, FLOOR AND CEILING SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC T -803.3

4. IN EVERY GROUP-A OCCUPANCY, ALL DRAPES, HANGINGS, CURTAINS, DROPS, AND ALL OTHER DECORATIVE MATERIAL, INCLUDING CHRISTMAS TREES, THAT WOULD TEND TO INCREASE THE FIRE AND PANIC HAZARD SHALL BE MADE FROM A NONFLAMMABLE MATERIAL, OR SHALL BE TREATED AND MAINTAINED IN A FLAME-RETARDANT CONDITION B MEANS OF A FLAME-RETARDANT SOLUTION OR PROCESS APPROVED BY THE STATE FIRE MARSHAL. EXISTS, EXIT LIGHTS, FIRE ALARM SENDING STATIONS AND FIRE EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED, IN WHOLE OR IN PART, BY ANY DECORATIVE MATERIAL. (T-19, DIV. 1, CHAPTER 1, SUBCHAPTER 1, ARTICLE 3, SECTION 3.08)

			MATERIAL SC	HEDULE	1
MARK	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS	MATERIAL AREA
ART-1		R MDC Wallcoverings/Sheri Black/sblack@mdcwall.com			410 SF
ART-2	CUSTOM PRINTED WALLPAPER - DINING	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		246 SF
ART-3	CUSTOM PRINTED WALLPAPER - HALLWAY	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		156 SF
ART-4	CUSTOM PRINTED WALLPAPER - RESTROOM	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		843 SF
CON-2	PAINTED CONCRETE	TBD	CUSTOM ARTWORK AND PAINT TO MATCH PT-1 COLOR SPECIFICATION	SEE FLOOR FINISH PLAN	357 SF
CT-1	24 x 48 ACT	ARMSTRONG	KITCHENZONE 24x48" SQUARE LAY-IN # 672		669 SF
M-3	PORCELAIN SLAB	DEKTON/JOSE FERNANDO ARAN AGUILA/JFARAN@CONSENTINO.COM	712-I110204 SAND DRIFT	PATIO TABLETOPS	240 SF
MMA-1					1169 SF
MTL-1	METAL	COMMODITY / CPS GARTEN/LETICIA CASTANEDA/LETICIA@CPSGARTEN.COM	COMMODITY TO MATCH / CHEMETAL - 337 AGED BRASS	GC TO QUOTE CHEMETAL AND COMMODITY FOR OWNER AND ARCHITECT REVIEW. GC TO FINAL SUBMIT SAMPLE TO ARCHITECT FOR APPROVAL	1520 SF
MTL-2	METAL	COMMODITY BY G.C.		GC to coordinate with architect for final specifications and approval of final samples.	3290 SF
MTL-3	METAL LAMINATE	CHEMETAL/LETICIA CASTANEDA/LETICIA@CPSGARTEN.COM	#618 Black & Tan Aluminum	MILLWORK	17 SF
PL-1	PLASTIC LAMINATE	PANOLAM/SANDRA TODD/SANDRA_TODD@PANOLAM.COM	S6053-LR JETT BLACK SOFT LEATHER FINISH	MILLWORK & TABLETOPS	384 SF

	MATERIAL SCHEDULE 1						
MARK	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS	MATERIAL AREA		
PT-1	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DEC793 CHALKY	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	934 SF		
PT-2	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DE6363 POINTED ROCK	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	3545 SF		
PT-3	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DEA184 PARISIAN NIGHT	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	972 SF		
PT-4	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DE6371 BLACKJACK	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	2108 SF		
PT-5	PAINT	SCUFFMASTER/Anne Konie/Anne.Konie@wolfgordon.com	TBD		2030 SF		
PT-6	PAINT	TIGER DRY-LAC	CUSTOM POWDER COAT TO MATCH PT-4	WALL BASE GC TO USE CERTIFIED INSTALLER	11763 SF		
SS-1	LARGE FORMAT PORCELAIN SLAB	PORCELANOSA/JANEL HAHN/JHAHN@PORCELANOSA-USA.COM	AURA GOLD POLISHED		548 SF		
SS-2	SOLID SURFACE	CAMBRIA/KELLY CAMPISI/KELLY.CAMPISI@CAMBRIAUSA.COM	6200 OXWICH GREEN; 2CM POLISHED W/ RIDGELINE EDGE PROFILE	RESTROOM VANITY & WALL CLADDING	243 SF		
TL-1	CERAMIC TILE	ROCA/SEBASTIAN PELAEZ/SEBASTIAN.PELAEZ@US.ROCA.COM	COLOR COLLECTION BRIGHT BLACK; 4X10	GROUT: MAPEI 00 WHITE	889 SF		
TL-2	PORCELAIN TILE	ROCA/SEBASTIAN PELAEZ/SEBASTIAN.PELAEZ@US.ROCA.COM	CC MOSAICS 2X4 U081BV-12M WHITE ICE BRIGHT BEVELED	GROUT: MAPEI O1 BLACK	528 SF		

	MATERIAL SCHEDULE_1						
MARK	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS	MATERIAL AREA		
TL-3	PORCELAIN TILE	CROSSVILLE/MONICA FARLEY/MFARLEY@CROSSVILLEINC.COM	SHADES - INK UPS AV249 24x24	4" RAISED CURB; GROUT: MAPEI 01 BLACK	213 SF		
TX-1	BLUE VINYL	APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTILES.COM	SGL-108 GLAZE REGATTA		186 SF		
TX-3	BLACK VINYL	APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTILES.COM	CAR00975 CARTHAGE BLACK		513 SF		
TX-6	GREEN/YELLOW UPHOLSTERY	PALLAS/MARY DAVIS/MARY.DAVIS@PALLASTEXTILES.COM	27.251.085 SUJI STRIPE PARROT		749 SF		
TX-9	GREY VINYL	TRI-KES/TINA CARRILLO/T.CARRILLO@TRI-KES.COM	UHN-ES-05 GREY EAGLE		1599 SF		
WD-1	MILLWORK WOOD FINISH	COMMODITY BY G.C.	MAPLE OR BIRCH PLAIN SAWN W/ COLORED STAIN TO MATCH WILSONART HARVEST MAPLE 7953	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS			
WD-2	VENEER WOOD	WOLF GORDON/ANNE KONIE/ANNE.KONIE@WOLFGORDON.COM	GOH11722922 - WVF108 RED GUM, QTD MATTE CLEAR FINISH FOR TABLETOP USE	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS			
WD-3	EXTERIOR FAUX WOOD	TREX	Enhance, Clam Shell	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS			



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AIA, NCARB, LEED AP

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ngineering Consultant:

ect Owner:

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Issue For:
Project Status
Issue Date:
09/05/18

REASON

PAL IN CHARGE:

M.WALSH
PROJECT MANAGER:
MH
DRAWN BY:
STAFF

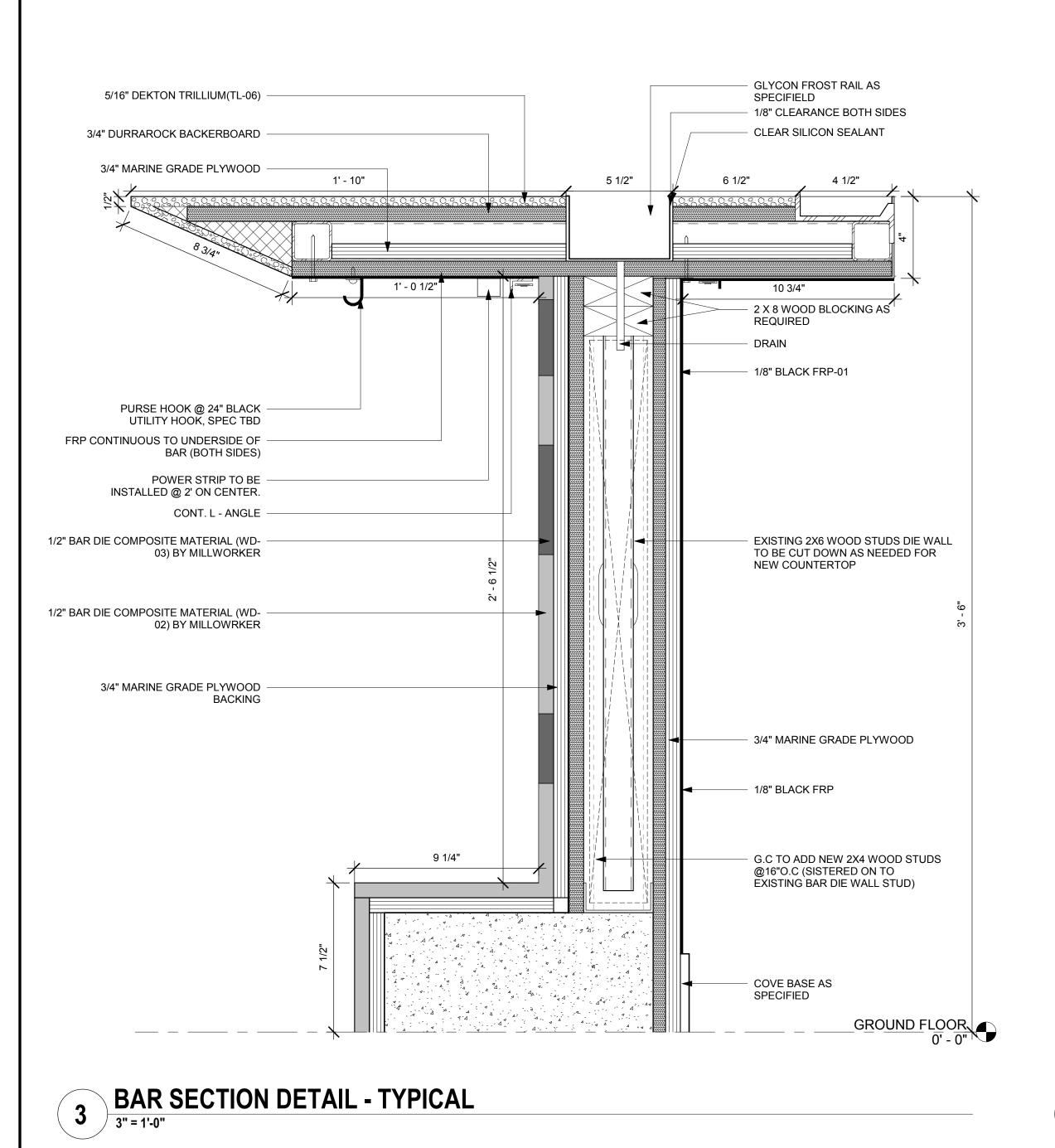
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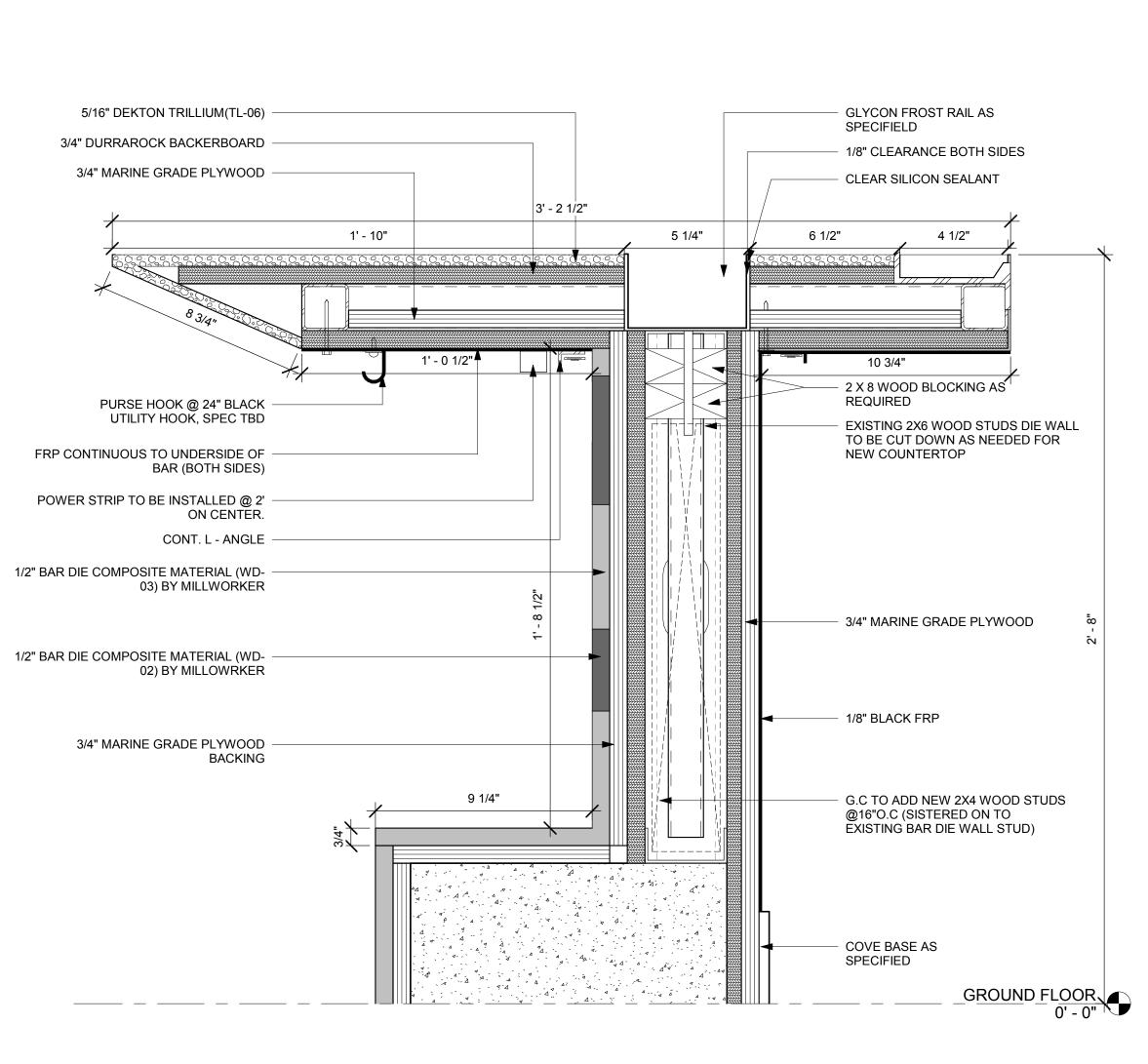
LBX - LONG BEACH
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SUITE 410, BUILDING (TYP)

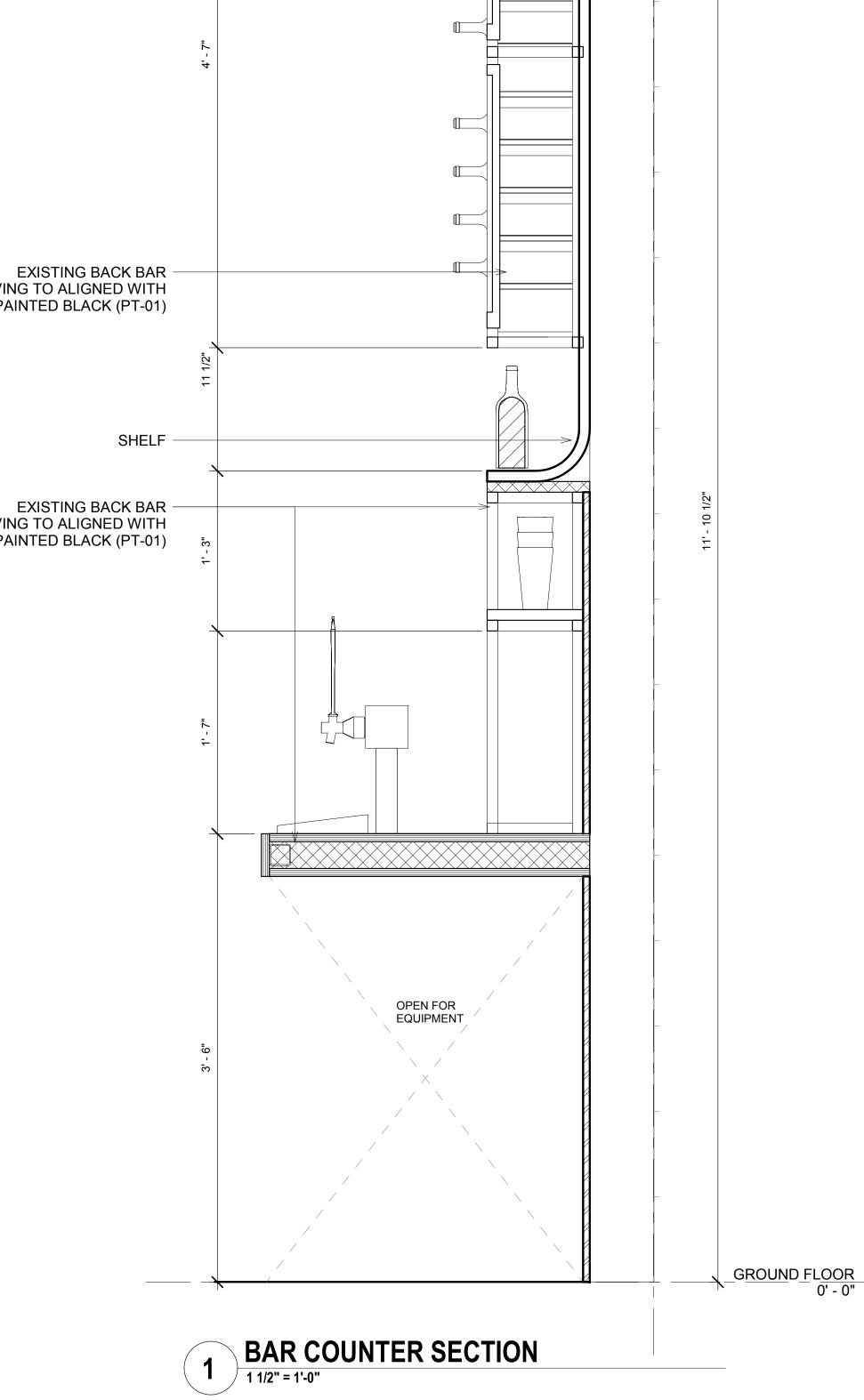
Project Number: 153-001-18 Sheet Title:

ENLARGED BAR ELEVATIONS AND DETAILS

eet Number:







SHELVING TO ALIGNED WITH BAR ,PAINTED BLACK (PT-01) EXISTING BACK BAR SHELVING TO ALIGNED WITH BAR ,PAINTED BLACK (PT-01)

BAR SECTION DETAIL - ADA
3" = 1'-0"

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Engineering Consultant:

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Project Status 09/05/18

REASON

PROJECT MANAGER:

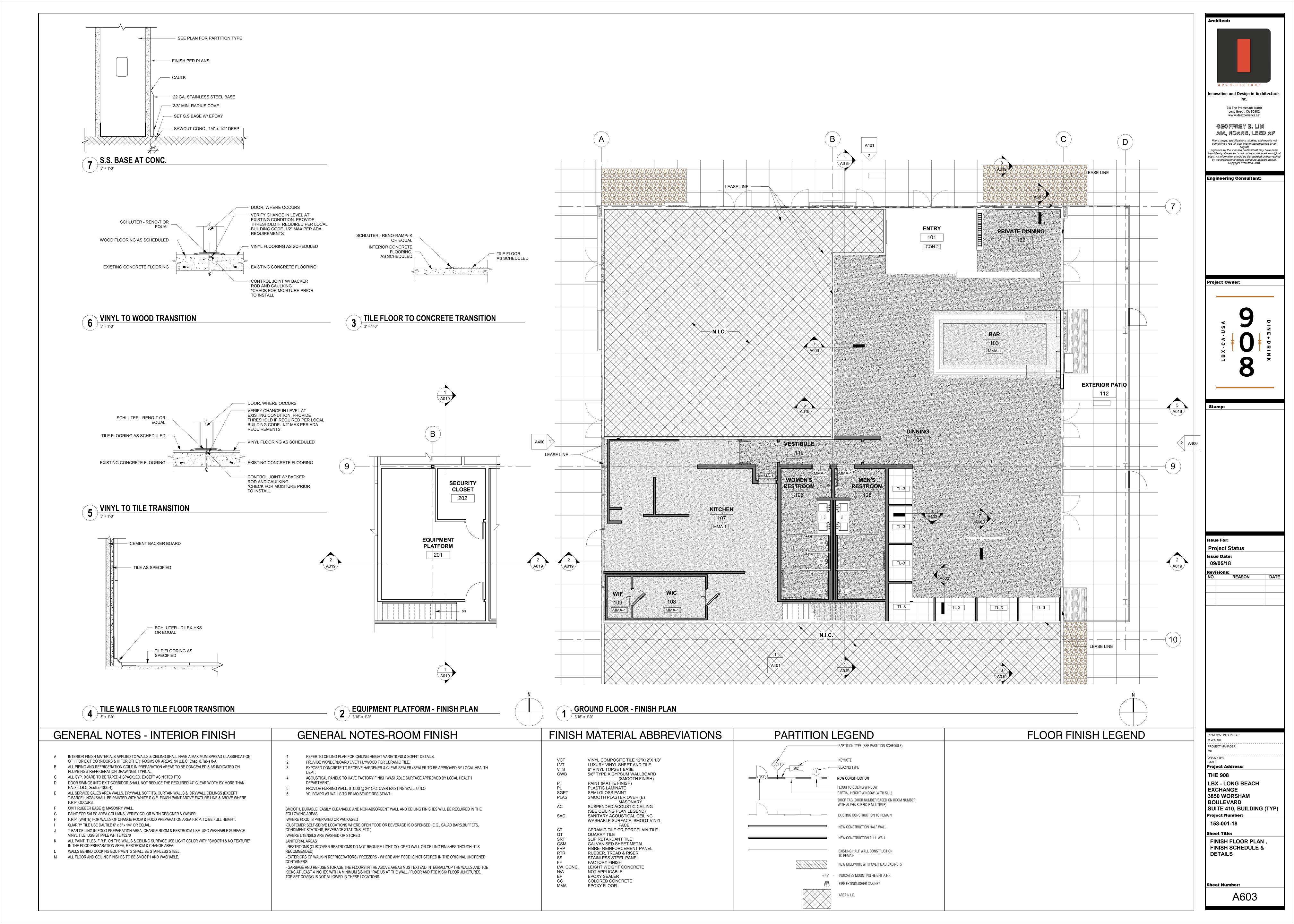
THE 908

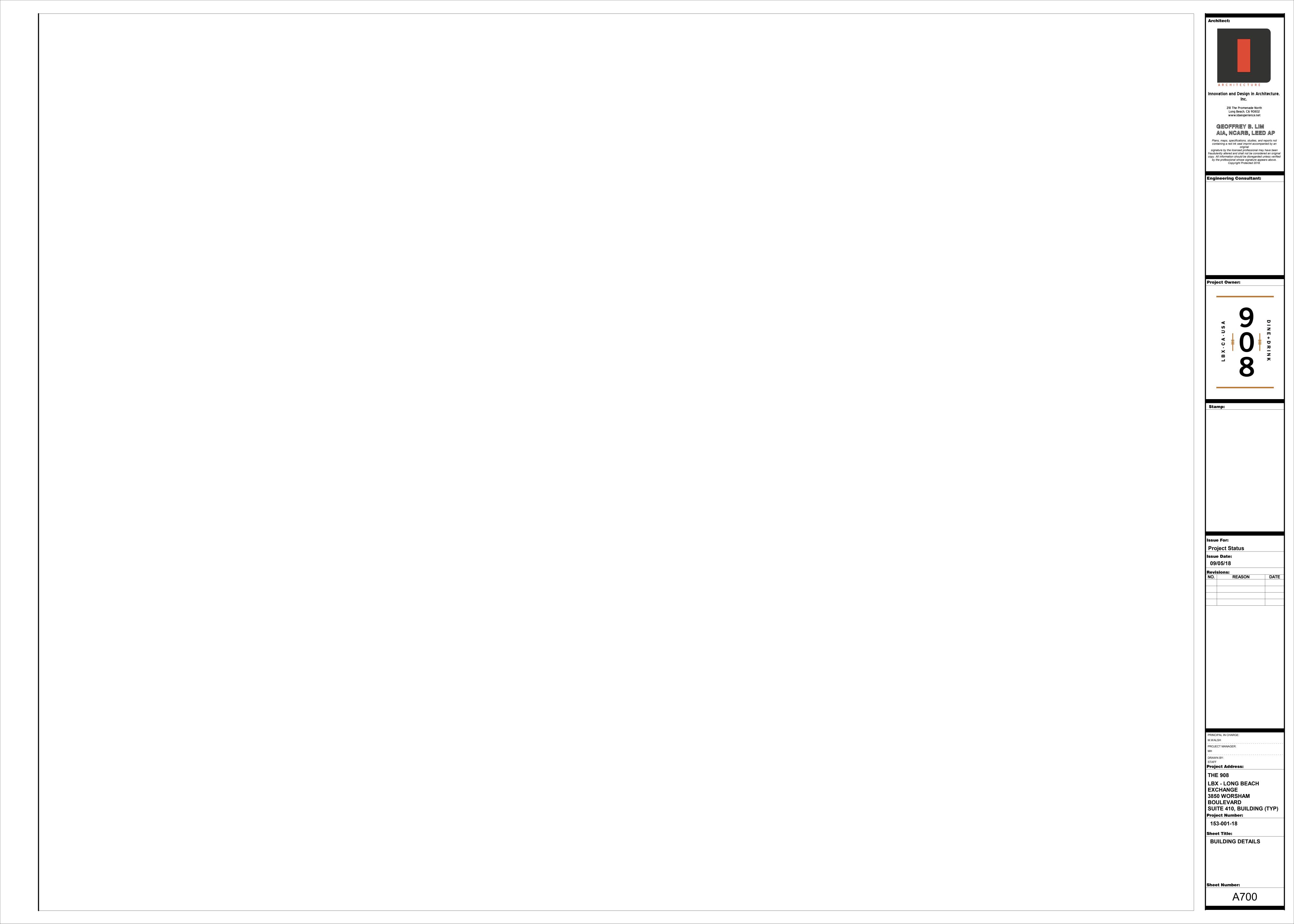
LBX - LONG BEACH
EXCHANGE
3850 WORSHAM
BOULEVARD
SUITE 410, BUILDING (TYP)

153-001-18

Sheet Title:

ENGLARGED BAR PLANS,
ELEVATION, AND
DETAILS

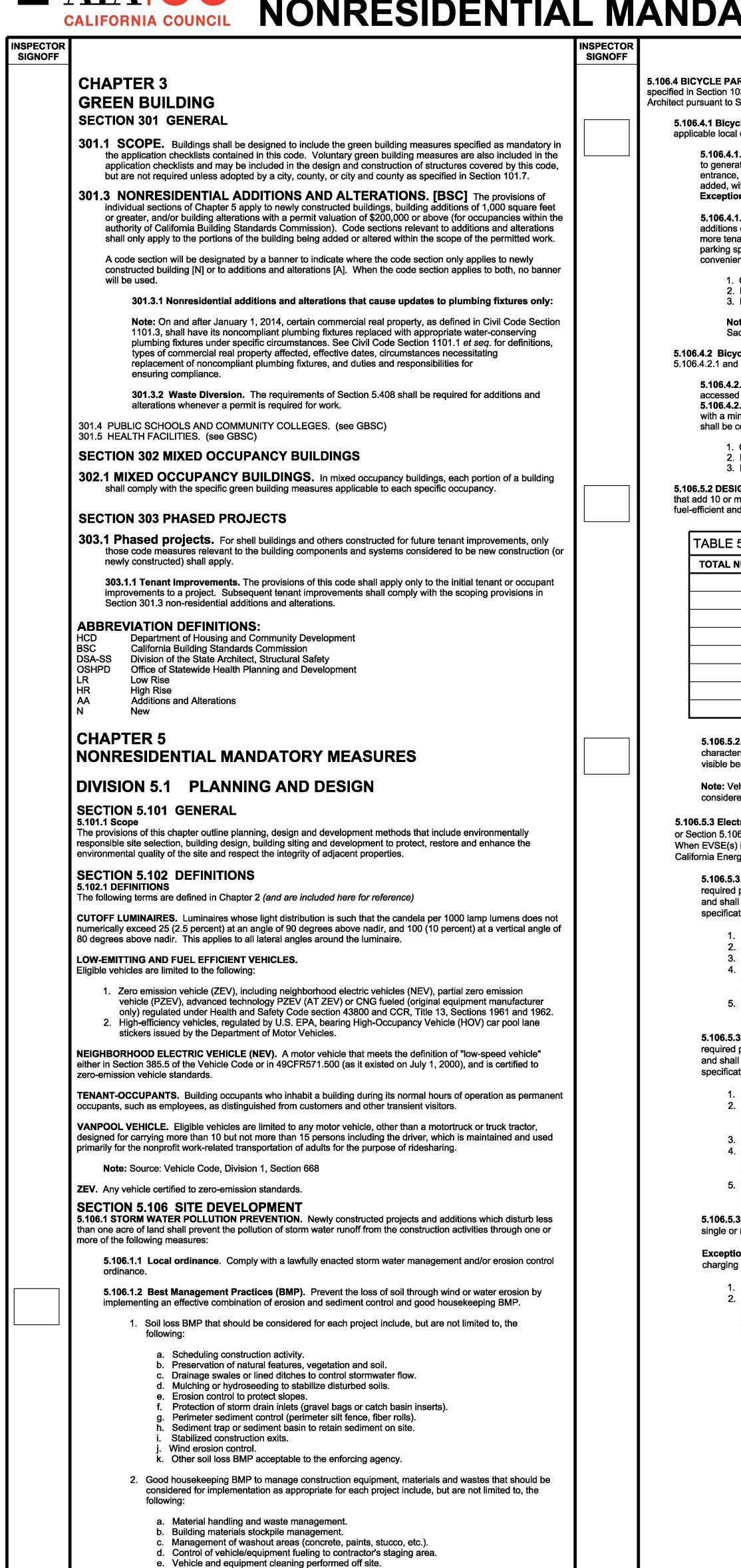






# WAIAICC 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE

## CALIFORNIA COUNCIL NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (INCLUDING JANUARY 1, 2017 ERRATA)



Spill prevention and control.

g. Other housekeeping BMP acceptable to the enforcing agency.

BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State	TABLE 5.106.5.3.3	
pursuant to Section 105, comply with Section 5.106.4.2	TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
<b>106.4.1 Bicycle parking. [BSC-CG]</b> Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the plicable local ordinance, whichever is stricter.	0-9	0
	10-25	1
5.106.4.1.1 Short-term bicycle parking. If the project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors'	36-50	2
entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.	51-75	4
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.	76-100	5
5.106.4.1.2 Long-term bicycle parking. For new buildings with 10 or more tenant-occupants or for	101-200	7
additions or alterations that add 10 or more tenant-occupants or for additions or alterations that add 10 or	201 AND OVER	6% of total <sup>1</sup>

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more tenant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicle parking spaces being added, with a minimum of one space. Acceptable parking facilities shall be 1. Calculation for spaces shall be rounded up to the nearest whole number. convenient from the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or

5.106.4.1 Bicyc

applicable local

5.106.4.2.1 and 5.106.4.2.2

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

5.106.4.2 Bicycle parking, [DSA-SS1] For public schools and community colleges, comply with Sections

3. Lockable, permanently anchored bicycle lockers.

3. Lockable, permanently anchored bicycle lockers.

**5.106.4.2.1 Student bicycle parking.** Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building. **5.106.4.2.2 Staff bicycle parking.** Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or

5.106.5.2 DESIGNATED PARKING FOR CLEAN AIR VEHICLES. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:

TABLE 5.106.5.2 - PARKING						
TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES					
0-9	0					
10-25	1					
25-50	3					
51-75	6					
76-100	8					
101-150	11					
151-200	16					
201 AND OVER	AT LEAST 8% OF TOTAL					

5.106.5.2.1 - Parking stall marking. Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle: CLEAN AIR / VAN POOL / EV

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.

**5.106.5.3 Electric vehicle (EV) charging. [N]** Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Energy Commission (CEC) and as follows:

5.106.5.3.1 Single charging space requirements. [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and

1. The type and location of the EVSE.

specifications shall include, but are not limited to, the following:

2. A listed raceway capable of accommodating a 208/240 -volt dedicated branch circuit. 3. The raceway shall not be less than trade size 1."

4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and listed suitable cabinet, box, enclosure or equivalent

5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-ampere dedicated branch circuit for the future installation of the EVSE.

5.106.5.3.2 Multiple charging space requirements. [N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

 The type and location of the EVSE. 2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.

3. Plan design shall be based upon 40-ampere minimum branch circuits. 4. Electrical calculations shall substantiate the design of the electrical system, to include the

rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage. 5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the

required number of dedicated branch circuit(s) for the future installation of the EVSE.

5.106.5.3.3 EV charging space calculations. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.

**Exceptions:** On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:

. Where there is insufficient electrical supply.

2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
36-50	2
51-75	4
76-100	5
101-200	7
201 AND OVER	6% of total <sup>1</sup>

**5.106.5.3.4 [N]** Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE".

5.106.5.3.5 [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

- 1. The California Department of Transportation adopts and publishes the California Manual on Uniform Traffic Control Devices (California MUTCD) to provide uniform standards and specifications for all official traffic control devices in California. Zero Emission Vehicle Signs and Pavement Markings can be found in the New Policies & Directives number 13-01. www.dot.ca.gov/hq/traffops/policy/13-01.pdf.
- 2. See Vehicle Code Section 22511 for EV charging spaces signage in off-street parking facilities and for use of EV charging spaces. 3. The Governor's Office of Planning and Research published a Zero-Emission Vehicle Community Readiness Guidebook which provides helpful information for local governments.

**5.106.8 LIGHT POLLUTION REDUCTION. [N]** Outdoor lighting systems shall be designed and installed to comply

residents and businesses. www.opr.ca.gov/docs/ZEV Guidebook.pdf.

- 1. The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of the California Administrative Code; and
- 2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and 3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or Comply with a local ordinance

lawfully enacted pursuant to Section 101.7, whichever is more stringent.

## Exceptions: [N]

- 1. Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code.
- 3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6. 4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.

Note: [N] See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will

manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water

include, but are not limited to, the following:

- 2. Water collection and disposal systems French drains.
- 4. Water retention gardens.

(BUG) RATINGS 1.3

5. Other water measures which keep surface water away from buildings and aid in groundwater

[ABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE

**Exception:** Additions and alterations not altering the drainage path.

(======================================				
ALLOWABLE RATING	LIGHTING ZONE 1	LIGHTING ZONE 2	LIGHTING ZONE 3	LIGHTING ZONE 4
MAXIMUM ALLOWABLE BACKLIGHT RATING 3				
Luminaire greater than 2 mounting heights (MH) from property line	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	B2	В3	В4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	B1	B2	В3	В3
Luminaire back hemisphere is less than 0.5 MH from property line	ВО	В0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING				
For area lighting 4	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	U1	U2	U3	U4
MAXIMUM ALLOWABLE GLARE RATING 5				
Luminaire greater than 2 MH from property line	G1	G2	G3	G4
Luminaire front hemisphere is 1-2 MH from property line	G0	G1	G1	G2
Luminaire front hemisphere is 0.5-1 MH from property line	G0	G0	G1	G1
Luminaire back hemisphere is less than 0.5 MH from property line	G0	G0	G0	G1

I. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the Callifornia Administrative Code.

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.

3. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met.

4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet *U*-value limits for "all other outdoor lighting". 5. If the nearest property line is less than or equal to two mounting heights from the front hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.

<b>DIVISION 5.2</b>	<b>ENERGY EFFICIENCY</b>
SECTION 5 201	GENERAL

SECTION S.ZUT GENERAL 5.201.1 Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

## DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

**SECTION 5.301 GENERAL 5.301.1 Scope.** The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS

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**5.302.1 Definitions.** The following terms are defined in Chapter 2 (and are included here for reference)

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial. multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least

as effective as the MWELO. POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking

Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic puroses, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

**SUBMETER.** A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied

water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO). **SECTION 5.303 INDOOR WATER USE** 

5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

**5.303.1.1 Buildings in excess of 50,000 square feet.** Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume

- more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop. 2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the
- a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).

 Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s). c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

**5.303.1.2 Excess consumption.** A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day. 5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals. The effective flush volume of urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads.

**5.303.3.3.1 Single showerhead.** Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.

Note: A hand-held shower shall be considered a showerhead

5.303.3.4 Faucets and fountains

5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

**5.303.3.4.2 Kitchen faucets.** Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

**5.303.3.4.3 Wash fountains.** Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi].

**5.303.3.4.4 Metering faucets.** Metering faucets shall not deliver more than 0.20 gallons per cycle.

**5.303.3.4.5 Metering faucets for wash fountains.** Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi]. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve

5.303.4 COMMERCIAL KITCHEN EQUIPMENT

**5.303.4.1 Food Waste Disposers.** Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.

Note: This code section does not affect local jurisdiction authority to prohibit or require disposer

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code and in Chapter 6 of this code.

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE 2016 CALIFORNIA GREEN BUILDING VERIFICATION WITH THE FULL CODE.

**CA GREEN BUILIDNG** FORMS & NOTES

RINCIPAL IN CHARGE

PROJECT MANAGER:

**Project Address:** 

EXCHANGE

BOULEVARD

153-001-18

3850 WORSHAM

LBX - LONG BEACH

SUITE 410, BUILDING (TYP)

M.WALSH

DRAWN BY

**THE 908** 

Issue For:

09/05/18

**Project Status** 

REASON

DATE

novation and Design in Architecture

218 The Promenade North Long Beach, CA 90802

www.idaexperience.net

AIA. NCARB. LEED AP

Plans, maps, specifications, studies, and reports not

original signature by the licensed professional may have beer

udulently altered and shall not be considered an original

by the professional whose signature appears above.

Engineering Consultant:

GEOFFREY B. LIM

IMPORTANT NOTE: G.C. TO PROVIDE CALGREEN BUILDING STANDARDS ONLY TO APPLICABLE PROJECT SCOPE. EXISTING ITEMS TO REMAIN ARE NOT SUBJECT TO THESE REQUIREMENTS.



## WAIAICC 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE

## NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (INCLUDING JANUARY 1, 2017 ERRATA)

INSPECTOR SIGNOFF SIGNOFF SIGNOFF SIGNOFF I DIVISION 5.5 ENVIRONMENTAL QUALITY **SECTION 5.304 OUTDOOR WATER USE** SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND 5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the **5.304.1 SCOPE.** The provisions of Section 5.304, Outdoor Water Use reference the mandatory Model Water **SECTION 5.501 GENERAL** project begins. This documentation shall include the following: Efficiency Landscape Ordinance (MWELO) contained within Chapter 2.7, Division 2, Title 23, California Code of **5.408.1 CONSTRUCTION WASTE MANAGEMENT.** Recycle and/or salvage for reuse a minimum of 65% of the 1. Environmental and sustainability goals. **5.501.1 SCOPE**. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors. Energy efficiency goals. non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or . Indoor environmental quality requirements. meet a local construction and demolition waste management ordinance, whichever is more stringent. 5.304.2 OUTDOOR WATER USE IN LANDSCAPE AREAS EQUAL TO OR GREATER THAN 500 SQUARE FEET. 4. Project program, including facility functions and hours of operation, and need for after hours When water is used for outdoor irrigation for new construction projects with an aggregate landscape area equal to or **5.502.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference) 5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and operation. greater than 500 square feet requiring a building or landscape permit, plan check or design review, one of the following Equipment and systems expectations. demolition waste management ordinance, submit a construction waste management plan that: 6. Building occupant and operation and maintenance (O&M) personnel expectations. ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route. Identifies the construction and demolition waste materials to be diverted from disposal by efficient 1. A local water efficient landscape ordinance that is, based on evidence in the record, at least as effective in A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter **5.410.2.2 Basis of Design (BOD).** [N] A written explanation of how the design of the building systems meets usage, recycling, reuse on the project or salvage for future use or sale. conserving water as the updated model ordinance adopted by the Department of Water Resouces (DWR) using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting the OPR shall be completed at the design phase of the building project. The Basis of Design document shall 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or per Government Code Section 65595(c). adjustments have been made. cover the following systems: . Identifies diversion facilities where construction and demolition waste material collected will be taken 2. The California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) 1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated 1. Heating, ventilation, air conditioning (HVAC) systems and controls. commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations. of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, 2. Indoor lighting system and controls. by weight or volume, but not by both. the amount of heat required to melt a ton (2,000 pounds) of ice at 320 Fahrenheit. 3. Water heating system. 5.304.3 OUTDOOR WATER USE IN REHABILITATED LANDSCAPE PROJECTS EQUAL TO OR GREATER THAN 5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable Renewable energy systems. 2.500 SQUARE FEET. Rehabilitated landscape project with an aggregate landscape area equal to or greater than COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), documentation that the percentage of construction and demolition waste material diverted from the landfill Water reuse systems. 2.500 square feet requiring a building or landscape permit, plan check, or design review shall comply with Section except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm 5.304.2, Item 1 or 2. **5.410.2.3 Commissioning plan. [N]** Prior to permit issuance a commissioning plan shall be completed to to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn. document how the project will be commissioned. The commissioning plan shall include the following: Note: The owner or contractor shall make the determination if the construction and demolition waste material 5.304.4 OUTDOOR WATER USE IN LANDSCAPE AREAS OF 2,500 SQUARE FEET OR LESS. Any project with COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium 1. General project information. will be diverted by a waste management company. an aggregate area of 2,500 square feet of less may comply with the performance requirements of MWELO or conform density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, Commissioning goals. to the prescriptive compliance measures contained in MWELO's Appendix D. structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood l-joists or 3. Systems to be commissioned. Plans to test systems and components shall include: **Exceptions to Sections 5.408.1.1 and 5.408.1.2:** finger-jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a). a. An explanation of the original design intent. 5.304.5 GRAYWATER OR RAINWATER USE IN LANDSCAPE AREAS. For projects using treated or untreated b. Equipment and systems to be tested, including the extent of tests Excavated soil and land-clearing debris. graywater or rainwater captured on site, any lot or parcet within the project that has less than 2.500 square feet of Note: See CCR, Title 17, Section 93120.1. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle c. Functions to be tested. landscape and meets the lot or parcel's landscape water requirement (Estimate Total Water Use) entirely with treated d. Conditions under which the test shall be performed. facilities capable of compliance with this item do not exist. or untreated graywater or through stored rainwater captured on site is subject only to Appendix D Section (5). DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a e. Measurable criteria for acceptable performance. 3. Demolition waste meeting local ordinance or calculated in consideration of load recycleing facilities 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.). 4. Commissioning team information. 5. Commissioning process activities, schedules and responsibilities. Plans for the completion of 1. DWR's Model Water Efficient Landscape Ordinance, definitions and supporting documents are available at **DECIBEL (db).** A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, commissioning shall be included. 5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does the following link: http://water.ca.gov/wateruseefficiency/landscapeordinance/ sound power, sound intensity) with respect to a reference quantity. not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement 5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct as approved by the enforcing agency. 2. A water budget calculator is available at the following link: ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, installation and operation of each component, system and system-to-system interface in accordance with the http://water.ca.gov/wateruseefficiency/landscapeordinance/ trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor approved plans and specifications. Functional performance testing reports shall contain information addressing 5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. each of the building components tested, the testing methods utilized, and include any readings and adjustments compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as 3. The MWELO prescriptive compliance measure Appendix D may be found at the following link: Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the California Electrical Code, necessary and shall be accessible during construction for examination by the enforcing agency. http://water.ca.gov/wateruseefficiency/landscapeordinance/ off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground In addition, a copy of MWELO Appendix D may be found in Chapter 8 of this code. support equipment, tractors, boats, and the like, are not included. 5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, 5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS IDSA-SSI. For public schools and ELECTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles. including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), 1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance Title 8, Section 5142, and other related regulations. California Department of Water Resoucres Model Water Efficient Landscape Ordinance (MWELO) commencing with ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and with the waste management plan. Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, 2. Mixed construction and demolition debris processors can be located at the California Department of **5.410.2.5.1 Systems manual. [N]** Documentation of the operational aspects of the building shall be adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35. power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring Resources Recycling and Recovery (CalRecycle). completed within the systems manual and delivered to the building owner or representative. The and the electric vehicle. Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the systems manual shall include the following: 5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping prescriptive measures contained in Appendix D of MWELO. 1. Site information, including facility description, history and current requirements. ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste Site contact information. the fluctuating noise level integrated over the time of period of interest. items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited 5.304.6.1 Newly constructed landscapes. [DSA-SS] New construction projects with an aggregate landscape 3. Basic operations and maintenance, including general site operating procedures, basic Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste area equal to or greater than 500 square feet. troubleshooting, recommended maintenance requirements, site events log. **EXPRESSWAY.** An arterial highway for through traffic which may have partial control of access, but which may or may materials shall be included in the construction documents. Major systems. not be divided or have grade separations at intersections. 5.304.6.2 Rehabilitated landscapes. [DSA-SS] Rehabilitated landscape projects with an aggregate 5. Site equipment inventory and maintenance notes. Note: Refer to the Universal Waste Rule link at: landscape area equal to or greater than 1,200 square feet. FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections. http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A REGS UWR FinalText.pdf 6. A copy of verifications required by the enforcing agency or this code. 5.304.3 IRRIGATION DESIGN. In new nonresidential construction with at least 1,000 but not more than 2,500 square GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse 5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated feet of cumulative landscaped area (the level at which the MWELO applies), install irrigation controllers and sensors gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such which include the following criteria, and meet manufacturer's recommendations. **5.410.2.5.2 Systems operations training. [N]** A program for training of the appropriate maintenance compound with a GWP of one. material may be stockpiled on site until the storage site is developed. staff for each equipment type and/or system shall be developed and documented in the commissioning **5.304.3.1 Irrigation controllers.** Automatic irrigation system controllers installed at the time of final inspection GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the **Exception:** Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation. report and shall include the following: shall comply with the following: Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or 1. System/equipment overview (what it is, what it does and with what other systems and/or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of equipment it interfaces). 1. Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14. 2. Review and demonstration of servicing/preventive maintenance. response to changes in plants' needs as weather conditions change. 1. If contamination by disease or pest infestation is suspected, contact the County Agricultural 2. Weather-based controllers without integral rain sensors or communication systems that account for 3. Review of the information in the Systems Manual. HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a Commissioner and follow its direction for recycling or disposal of the material. local rainfall shall have a separate wired or wireless rain sensor which connects or communicates 4. Review of the record drawings on the system/equipment. hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a 2. For a map of know pest and/or disease quarantine zones, consult with the California Department of with the controller(s). Soil moisture-based controllers are not required to have rain sensor input. GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Food and Agriculture. (www.cdfa.ca.gov) **5.410.2.6 Commissioning report.** [N] A report of commissioning process activities undertaken through the Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009). Note: More information regarding irrigation controller function and specifications is available from the design and construction phases of the building project shall be completed and provided to the owner or Irrigation Association. LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS with a radius 1.5 times the pipe diameter. 5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are **5.410.4 TESTING AND ADJUSTING.** Testing and adjusting of systems shall be required for buildings less than identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) 10.000 square feet or new systems to serve an addition or alteration subject to Section 303.1 **LOW-GWP REFRIGERANT.** A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than I DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, ordinance, if more restrictive. **EFFICIENCY 5.410.4.2 Systems.** Develop a written plan of procedures for testing and adjusting systems. Systems to be sec.82.3 (as amended March 10, 2009). included for testing and adjusting shall include at a minimum, as applicable to the project: **Exception**: Rural jurisdictions that meet and apply for the exemption in Public Resources MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999. **SECTION 5.401 GENERAL** Code 42649.82 (a)(2)(A) et seg. shall also be exempt from the organic waste portion of this section. HVAC systems and controls. **5.401.1 SCOPE.** The provisions of this chapter shall outline means of achieving material conservation and resource MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a 2. Indoor and outdoor lighting and controls. **5.410.1.1 Additions.** All additions conducted within a 12-month period under single or multiple permits, efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to Water heating systems. resulting in an increase of 30% or more in floor area, shall provide recycling areas on site. hundreths of a gram (g O<sup>3</sup>/g ROC). techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting. 4. Renewable energy systems Landscape irrigation systems. Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this **SECTION 5.402 DEFINITIONS** Water reuse systems. article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of **5.402.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference) product (excluding container and packaging). **5.410.4.3 Procedures.** Perform testing and adjusting procedures in accordance with manufacturer's **5.410.1.2 Sample ordinance.** Space allocation for recycling areas shall comply with Chapter 18, Part 3, ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust Division 30 of the Public Resources Code. Chapter 18 is known as the California Solid Waste Reuse and specifications and applicable standards on each system. **PSIG.** Pounds per square inch, guage. Recycling Access Act of 1991 (Act). **5.410.4.3.1 HVAC balancing.** In addition to testing and adjusting, before a new space-conditioning REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, **Note:** A sample ordinance for use by local agencies may be found in Appendix A of the document at the system serving a building or space is operated for normal use, the system shall be balanced in ozone formation in the troposphere. according to design quantities. accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National SCHRADER ACCESS VALVES. Access fittings with a valve core installed. Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction 5.410.2 COMMISSIONING. [N] For new buildings 10,000 square feet and over, building commissioning shall be Council National Standards or as approved by the enforcing agency. process, including verifying and documenting that building systems and components are planned, designed, installed, included in the design and construction processes of the building project to verify that the building systems and SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, tested, operated and maintained to meet the owner's project requirements. components meet the owner's or owner representative's project requirements. Commissioning shall be performed in with a radius 1.0 times the pipe diameter. **5.410.4.4 Reporting.** After completion of testing, adjusting and balancing, provide a final report of testing accordance with this section by trained personnel with experience on projects of comparable size and complexity. All ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food signed by the individual responsible for performing these services. occupancies other than I-occupancies and L-occupancies shall comply with the California Energy Code as prescribed SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet soiled paper waste that is mixed in with food waste. in California Energy Code Section 120.8. For I-occupancies that are not regulated by OSHPD or for I-occupancies or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected 5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with and L-occupancies that are not regulated by the California Energy Code Section 100.0 Scope, all requirements in to remote compressor units or condensing units. **TEST.** A procedure to determine quantitative performance of a system or equipment detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M Sections 5.410.2 through 5.410.2.6 shall apply. instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with **SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT** Commissioning requirements shall include: vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain 5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a) California Building Code Section 1403.2 (Weather Protection) and California Energy Code Section 150, (Mandatory 1. Owner's or Owner representative's project requirements. **5.410.4.5.1 Inspections and reports.** Include a copy of all inspection verifications and reports required Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition Features and Devices), manufacturer's installation instructions or local ordinance, whichever is more stringent. Basis of design. by the enforcing agency. 3. Commissioning measures shown in the construction documents. included in that specific regulation is the one that prevails for the specific measure in question. **5.407.2 MOISTURE CONTROL.** Employ moisture control measures by the following methods. 4. Commissioning plan. SECTION 5.503 FIREPLACES 5. Functional performance testing. 5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed 5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures. 6. Documentation and training. woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, 7. Commissioning report. **5.407.2.2 Entries and openings**. Design exterior entries and/or openings subject to foot traffic or wind-driven Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances. rain to prevent water intrusion into buildings as follows: 5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance 5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water . Unconditioned warehouses of any size. Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to 2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within to meet the emission limits. such openings plus at least one of the following: unconditioned warehouses. Tenant improvements less than 10,000 square feet as described in Section 303.1.1. SECTION 5.504 POLLUTANT CONTROL . An installed awning at least 4 feet in depth. 4. Open parking garages of any size, or open parking garage areas, of any size, within a structure. 5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if 2. The door is protected by a roof overhang at least 4 feet in depth. necessary to condition the building or areas of addition or alteration within the required temperature range for 3. The door is recessed at least 4 feet. Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not material and equipment installation. If the HVAC system is used during construction, use return air filters with a 4. Other methods which provide equivalent protection. provide heating and or air conditioning. Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is Informational Notes: **5.407.2.2.2 Flashing.** Install flashings integrated with a drainage plane. occupied during alteration, at the conclusion of construction. 1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for rough installation, or during storage on the construction site and until final startup of the heating, cooling and qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, performance tests or to adjust and balance systems. plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may collect in the system. 2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the California Energy Code.

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ngineering Consultant:

Project Owner:

**Project Status** Issue Date:

REASON

09/05/18

RINCIPAL IN CHARGE

M WAI SH

PROJECT MANAGER:

**Project Address:** 

SUITE 410, BUILDING (TYP)

153-001-18

**CA GREEN BUILIDNG FORMS & NOTES** 



## AIAICC 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (INCLUDING JANUARY 1, 2017 ERRATA)

		T IAIL	ANDATORT MEASURES, SI		3 (INCLUDING JANUARY 1, 2017 ERRA	AIA)	
INSPECTOR SIGNOFF		INSPECTOR SIGNOFF		INSPECTOR SIGNOFF		INSPECTOR SIGNOFF	
	5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through						Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP
	5.504.4.6.		TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS2,3		TABLE 5.504.4.5 - FORMALDEHYDE LIMITS₁		Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO <sub>2</sub> ), and potentially other refrigerants.
	5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:		GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS		MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION		5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be
	1. Adhesives, adhesive bonding primers adhesive primers, sealants, sealant primers and caulks shall		COATING CATEGORY CURRENT VOC LIMIT		PRODUCT CURRENT LIMIT HARDWOOD PLYWOOD VENEER CORE 0.05		accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in
	comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds		FLAT COATINGS 50		HARDWOOD PLYWOOD COMPOSITE CORE 0.05		refrigerant systems except as noted below.
	(chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.		NONFLAT COATINGS 100  NONFLAT HIGH GLOSS COATINGS 150		PARTICLE BOARD 0.09		5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.
	2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in		SPECIALTY COATINGS		MEDIUM DENSITY FIBERBOARD 0.11		5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.
	units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including		ALUMINUM ROOF COATINGS 400		THIN MEDIUM DENSITY FIBERBOARD2 0.13  1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD.		5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to
	prohibitions on use of certain toxic compounds, of <i>California Code of Regulations</i> , Title 17, commencing with Section 94507.		BASEMENT SPECIALTY COATINGS 400		AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH		keep vibration levels below 8 mils.
			BITUMINOUS ROOF COATINGS 50		93120.12. 2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).		5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.
	TABLE 5.504.4.1 - ADHESIVE VOC LIMIT <sub>1,2</sub>		BITUMINOUS ROOF PRIMERS 350  BOND BREAKERS 350				Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial seal and tightened in accordance with manufacturer's
	Less Water and Less Exempt Compounds in Grams per Liter		CONCRETE CURING COMPOUNDS 350		5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:		recommendations.
	ARCHITECTURAL APPLICATIONS CURRENT VOC LIMIT		CONCRETE/MASONRY SEALERS 100		<ol> <li>Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;</li> <li>Compliant with the VOC-emission limits and testing requirements specified in the California</li> </ol>		5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.
	INDOOR CARPET ADHESIVES 50		DRIVEWAY SEALERS 50		Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;		5.508.2.2 Valves. Valves Valves and fittings shall comply with the California Mechanical Code and as
	CARPET PAD ADHESIVES 50 OUTDOOR CARPET ADHESIVES 150		DRY FOG COATINGS 150		<ol> <li>Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria         Interpretation for EQ 7. and EQ 7.1 (formerly EQ 2.2) dated July 2012 and listed in the CHPS High     </li> </ol>		follows.
	OUTDOOR CARPET ADHESIVES 150 WOOD FLOORING ADHESIVES 100		FAUX FINISHING COATINGS 350  FIRE RESISTIVE COATINGS 350		Performance Product DataBase; or  4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools		5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.
	RUBBER FLOOR ADHESIVES 60		FLOOR COATINGS 100		Program).		5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall
	SUBFLOOR ADHESIVES 50		FORM-RELEASE COMPOUNDS 250		<b>5.504.4.6.1 Verification of compliance.</b> Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.		be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.
	CERAMIC TILE ADHESIVES 65		GRAPHIC ARTS COATINGS (SIGN PAINTS) 500		5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air		5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are
	VCT & ASPHALT TILE ADHESIVES 50		HIGH-TEMPERATURE COATINGS 420		filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 8. MERV 8 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the		permitted for use.
	DRYWALL & PANEL ADHESIVES 50  COVE BASE ADHESIVES 50		INDUSTRIAL MAINTENANCE COATINGS 250  LOW SOLIDS COATINGS1 120		same value shall be included in the operation and maintenance manual.		5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.
	MULTIPURPOSE CONSTRUCTION ADHESIVES 70		MAGNESITE CEMENT COATINGS 450		Exceptions:		5.508.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.
	STRUCTURAL GLAZING ADHESIVES 100		MASTIC TEXTURE COATINGS 100		<ol> <li>An ASHRAE 10% to 15% efficiency filter shall be permitted for an HVAC unit meeting the 2013 California Energy Code having 60,000 Btu/h or less capacity per fan coil, if the energy use of the air delivery express in 0.4 M/ofm or less at design six flow.</li> </ol>		5.508.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.
	SINGLE-PLY ROOF MEMBRANE ADHESIVES 250		METALLIC PIGMENTED COATINGS 500		delivery system is 0.4 W/cfm or less at design air flow.  2. Existing mechanical equipment.		·
	OTHER ADHESIVES NOT SPECIFICALLY LISTED 50		MULTICOLOR COATINGS 250		5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as		Exception: Valves with seal caps that are not removed from the valve during stem operation.  5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and
	SPECIALTY APPLICATIONS PVC WELDING 510		PRETREATMENT WASH PRIMERS 420 PRIMERS, SEALERS, & UNDERCOATERS 100		already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the		salt shall have evaporator coils of corrosion-reistant material, such as stainless steel; or be coated to prevent corrosion from these substances.
	CPVC WELDING 490		REACTIVE PENETRATING SEALERS 350		University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.		5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to
	ABS WELDING 325		RECYCLED COATINGS 250		SECTION 5.505 INDOOR MOISTURE CONTROL		maximize energy efficiency.
	PLASTIC CEMENT WELDING 250		ROOF COATINGS 50		5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not		5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device tha indicates the level of refrigerant in the receiver.
	ADHESIVE PRIMER FOR PLASTIC 550		RUST PREVENTATIVE COATINGS 250		applicable to low-rise residential occupancies, see Section 5.407.2 of this code.		5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and
	CONTACT ADHESIVE 80  SPECIAL PURPOSE CONTACT ADHESIVE 250		SHELLACS: CLEAR 730		SECTION 5.506 INDOOR AIR QUALITY		charging.
	STRUCTURAL WOOD MEMBER ADHESIVE 140		OPAQUE 550		5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or the applicable local		5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.
	TOP & TRIM ADHESIVE 250		SPECIALTY PRIMERS, SEALERS & UNDERCOATERS 100		code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.		5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same
	SUBSTRATE SPECIFIC APPLICATIONS		STAINS 250		<b>5.506.2 CARBON DIOXIDE (CO<sub>2</sub>) MONITORING.</b> For buildings or additions equipped with demand control ventilation, CO <sub>2</sub> sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).		gauge.
	METAL TO METAL 30		STONE CONSOLIDANTS 450		SECTION 5.507 ENVIRONMENTAL COMFORT		5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.
	PLASTIC FOAMS 50 POROUS MATERIAL (EXCEPT WOOD) 50		SWIMMING POOL COATINGS 340		5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission		5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.
	WOOD 30		TRAFFIC MARKING COATINGS 100		Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.		<b>5.508.2.6.1 First vacuum</b> . Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.
	FIBERGLASS 80		TUB & TILE REFINISH COATINGS 420		Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior		5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30
			WATERPROOFING MEMBRANES 250 WOOD COATINGS 275		noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.		minutes.
	1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.		WOOD PRESERVATIVES 350		Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all		<b>5.508.2.6.3 Third vacuum.</b> Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.
	2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE		ZINC-RICH PRIMERS 340		subsections apply only to new construction.		Wish a maximum and or los misions even a 21 hear penea.
	THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168,		1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS		5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC		CHAPTER 7
	www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF		<ol><li>THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.</li></ol>		rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:		INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS
			3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE		Within the 65 CNEL noise contour of an airport.		702 QUALIFICATIONS
	TABLE 5.504.4.2 - SEALANT VOC LIMIT		FROM THE AIR RESOURCES BOARD.		Exceptions:		702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or
	Less Water and Less Exempt Compounds in Grams per Liter		<b>5.504.4.3.2 Verification.</b> Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:		a. Lon or CNEL for military airports shall be determined by the facility Air Installation Compatible		certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems.
	SEALANTS CURRENT VOC LIMIT		Manufacturer's product specification     Field verification of on-site product containers		Land Use Zone (AICUZ) plan.  b. Land or CNEL for other airports and heliports for which a land use plan has not been developed about the determined by the least general plan point.		Examples of acceptable HVAC training and certification programs include but are not limited to the following:
	ARCHITECTURAL 250		5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and		shall be determined by the local general plan noise element.  2. Within the 65 CNEL or Ldn noise contour of a freeway or expressway, railroad, industrial source or		<ol> <li>State certified apprenticeship programs.</li> <li>Public utility training programs.</li> <li>Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.</li> </ol>
	MARINE DECK 760		product requirements:		fixed-guideway source as determined by the Noise Element of the General Plan.		<ul> <li>1 raining programs sponsored by trade, labor or statewide energy consulting or verification organizations.</li> <li>Programs sponsored by manufacturing organizations.</li> <li>Other programs acceptable to the enforcing agency.</li> </ul>
	NONMEMBRANE ROOF 300 ROADWAY 250		<ol> <li>Carpet and Rug Institute's Green Label Plus Program.</li> <li>Compliant with the VOC-emission limits and testing requirements specified in the California</li> </ol>		<b>5.507.4.1.1. Noise exposure where noise contours are not readily available.</b> Buildings exposed to a noise level of 65 dB $L_{eq}$ - 1-hr during any hour of operation shall have building, addition or alteration		702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the
	ROADWAY 250 SINGLE-PLY ROOF MEMBRANE 450		Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February		exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).		responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence
	OTHER 420		2010 (also known as CDPH Standard Method V1.1 or Specification 01350).  3. NSF/ANSI 140 at the Gold level or higher;		5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and		to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be
	SEALANT PRIMERS		4. Scientific Certifications Systems Sustainable Choice; or  5. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria  Interpretation for EQ 7.0 and EQ 7.1 (formarly EQ 2.2) dated, but 2012 and listed in the CHPS High		roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does		considered by the enforcing agency when evaluating the qualifications of a special inspector:
	ARCHITECTURAL		Interpretation for EQ 7.0 and EQ 7.1 (formerly EQ 2.2) dated July 2012 and listed in the CHPS High Performance Product Database.		not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.		<ol> <li>Certification by a national or regional green building program or standard publisher.</li> <li>Certification by a statewide energy consulting or verification organization, such as HERS raters, building</li> </ol>
	NONPOROUS 250		5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.		5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.		performance contractors, and home energy auditors.  3. Successful completion of a third party apprentice training program in the appropriate trade.
	POROUS 775 MODIFIED BITUMINOUS 500		5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.		5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior		Other programs acceptable to the enforcing agency.
	MARINE DECK 760		5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard		sound levels shall be prepared by personnel approved by the architect or engineer of record.		Notes:
	OTHER 750		composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.).		5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.		<ol> <li>Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.</li> <li>HERS rates are special inspectors contified by the California Energy Commission (CEC) to rate</li> </ol>
	NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH		Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.		Note: Examples of assemblies and their various STC ratings may be found at the California Office of		<ol> <li>HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).</li> </ol>
	COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.		<b>5.504.4.5.3 Documentation</b> . Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:		Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.  SECTION 5.508 OUTDOOR AIR QUALITY		[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate
	5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of		1. Product certifications and specifications.		5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.		snall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a
	the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty		<ol> <li>Product certifications and specifications.</li> <li>Chain of custody certifications.</li> <li>Product labeled and invoiced as meeting the Composite Wood Products regulation (see</li> </ol>		5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not		certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.
	coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007		CCR, Title 17, Section 93120, et seq.).  4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the		contain CFCs.		Note: Special inspectors shall be independent entities with no financial interest in the materials or the
	California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.		Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.		5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.		project they are inspecting for compliance with this code.
	5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for		Other methods acceptable to the enforcing agency.		5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that		703 VERIFICATIONS
	ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of				utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential		703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other
	Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Pegulation 8 Pulo 49				(high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.		methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.
	limits of Regulation 8 Rule 49.						the appropriate section or identified applicable checklist.
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AIA, NCARB, LEED AP

BOULEVARD SUITE 410, BUILDING (TYP)

153-001-18

CA GREEN BUILIDNG FORMS & NOTES

<u>IMPORTANT NOTE:</u> G.C. TO PROVIDE CALGREEN BUILDING STANDARDS ONLY TO APPLICABLE PROJECT SCOPE. EXISTING ITEMS TO REMAIN ARE NOT SUBJECT TO THESE REQUIREMENTS.

#### CONTRACTOR GENERAL NOTES

INCLUDED BY THE OWNER IN THE FORM OF DRAWINGS, SPECIFICATIONS, AND WRITTEN

- THE TERM "OWNER" OR "TENANT" SHALL REFER TO DIN TAI FUNG AND HIS/HER AGENTS OR REPRESENTATIVES. THE TERM "GENERAL CONTRACTOR" AND "GC" SHALL REFER TO THE PERSON AND/OR PERSONS WHO HAVE CONTRACTED OR SUBCONTRACTED FOR THE WORK. THE TERM "WORK" AS USED IN THESE NOTES SHALL INCLUDE ALL REVISIONS AS DRAWN OR SPECIFIED IN THESE DOCUMENTS AS WELL AS ALL OTHER PROVISIONS SPECIFICALLY
- GC SHALL VISIT JOB SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BEFORE SUBMITTING BID. ANY DISCREPANCIES WITHIN THESE DRAWINGS AND/OR BETWEEN THESE DRAWINGS AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BY THE GC PRIOR TO THE START OF ANY WORK. GC SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. IF THE CONTRACT DRAWINGS APPEAR TO BE UNCLEAR, AMBIGUOUS, OR CONTRADICTORY, THE CONTRACTOR MUST REQUEST CLARIFICATION FROM THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THAT PART OF THE WORK. IN CASE OF DISCREPANCIES OR CONFLICTS, NOTIFY ARCHITECT BEFORE
- GENERAL CONTRACTOR SHALL BECOME FAMILIAR WITH THE OWNERS REQUIREMENTS PRIOR TO BIDDING AND SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THESE REQUIREMENTS. ALL WORK SHALL BE PERFORMED AS TO COMPLY WITH ALL GOVERNING STATUTES, ORDINANCES, GOVERNMENTAL AND JURISDICTIONAL PERMITS AND APPROVALS AS OBTAINED. CONTRACTORS SHALL NOT SUBMIT A BID FOR THIS WORK UNLESS THEY ARE FULLY QUALIFIED AND LICENSED BY THE STATE IN WHICH THE WORK IS TO BE PERFORMED. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL BE IN GOOD AND USABLE CONDITION AT THE DATE OF COMPLETION THEREOF.

PROCEEDING WITH ANY WORK.

- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING BUILDING PERMIT APPROVED PLANS AS APPROVED FOR ALL PERMIT REVISIONS AND OTHER CHANGES. NO WORK SHALL BEGIN PRIOR TO RECEIPT OF BUILDING PERMIT AND REVIEW OF PERMIT PLANS BY GENERAL CONTRACTOR
- THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY OF PERSONS, CARE OF ADJACENT PROPERTIES DURING CONSTRUCTION, COMPLIANCE WITH STATE AND FEDERAL REGULATION REGARDING SAFETY AND COMPLIANCE WITH REQUIREMENTS SPECIFIED IN THE OWNER/CONTRACTOR CONTRACT IS, AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY. INSURANCE: WORKMEN'S COMPENSATION, AS
- SCOPE OF WORK. THE CONTRACTOR SHALL INCLUDE AND PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION AND PAY ALL EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE WORK OF OTHERS. CONTRACTOR SHALL PERFORM ALL WORK NECESSARY FOR PRODUCTION OF A COMPLETE, HABITABLE PROJECT, INCLUDING BUT NOT LIMITED TO SITE WORK, ARCHITECTURAL, ELECTRICAL, PLUMBING, HVAC AND SIGNAGE COORDINATION.

REQUIRED BY LAW, AND PUBLIC LIABILITY SHALL BE CARRIED BY THE CONTRACTOR.

- GC SHALL COORDINATE ALL WORK TO BE PERFORMED. GC IS TO COORDINATE WORKING HOURS, DELIVERIES, TRASH REMOVAL, STORAGE, ETC. WITH OWNER. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, AND SAFETY PROCEDURES AND FOR
- COORDINATING ALL PORTIONS OF THE WORK. THE ARCHITECT SHALL BE AVAILABLE TO VISIT THE SITE WHEN REQUESTED. IF A CONDITION EXISTS THAT REQUIRES OBSERVATION OR ACTION BY THE ARCHITECT OR ENGINEERS, THE
- CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS FOR ALL MEASUREMENTS. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR INSTALL OR PERMIT TO BE INSTALLED ANY MATERIALS CONTAINING ASBESTOS WITHIN THE BUILDING OR ON THE PREMISES. GENERAL CONTRACTOR SHALL PROVIDE AND PAY FOR TRASH DUMPSTER SERVICE AND/OR REFUSE REMOVAL FOR ALL SUB-CONTRACTORS WHICH INCLUDE MILLWORK, AND FOOD SERVICE. CONTACT TENANT COORDINATOR, LANDLORD OR MUNICIPALITY FOR COORDINATION OF APPROVED LOCATION(S) PER LOCAL REGULATIONS
- THE ABBREVIATION OF "NIC" INDICATES WORK AND OR MATERIALS THAT IS NOT IN THE CONTRACT OF THE GENERAL CONTRACTOR, HOWEVER THIS DOES NOT RELIEVE THE GC OF THE RESPONSIBILITY OF COORDINATION. ALL CONCEALED WOOD BLOCKING IN WALLS AND CEILING SHALL BE TREATED AND FLAME
- ALL WALL AND CEILING CONSTRUCTION SHALL BE SUPPORTED BY STRUCTURE AND NOT BY
- ROOF DECK IF APPLICABLE. IN ADDITION TO THE GENERAL NOTES LISTED HEREIN. AIA DOCUMENT A201 GENERAL
- CONDITION OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY. PERMIT FEES SHALL BE SECURED BY G.C., CONTRACTOR SHALL SECURE PERMITS AND FEES INCURRED IN THE COMPLETION OF THE PROJECT, INCLUDING BUT NOT LIMITED TO SUBCONTRACTOR PERMITS, WATER, ELECTRIC AND TELEPHONE SERVICE CONNECTION.
- CERTIFICATE OF OCCUPANCY SURVEYS AND INSPECTIONS. PRIOR TO BEGINNING WORK THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES AND PROTECTING THEM FROM DAMAGE DURING CONSTRUCTION. SHOULD DAMAGE OCCUR THE CONTRACTOR SHALL MAKE REPAIRS AT NO COST TO THE OWNER. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE OWNER AND WITH THE SUBCONTRACTOR FOR MECHANICAL, PLUMBING, AND ELECTRICAL TRADE. DRAWINGS WILL BE SUBMITTED FOR REVIEW AS NEEDED BY MUNICIPALITY. THE SUBCONTRACTOR WILL SUBMIT REQUIRED DRAWINGS FOR APPROVAL TO THE APPROPRIATE AGENCIES MEETING ALL CODES OF THE CITY AND STATE. REPRODUCIBLE APPROVED DRAWINGS MUST BE SENT TO THE OWNER
- ITEMS NOT INDICATED IN THESE CONSTRUCTION DOCUMENTS THAT CAN BE LEGITIMATELY AND REASONABLY INFERRED TO COMPLETE THE WORK AT HAND SHALL BE FURNISHED BY THE CONTRACTOR AS THOUGH IT WERE DETAILED HEREIN.
- THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF THE ARCHITECT OF RECORD AND SHALL NOT BE REPRODUCED OR USED FOR ANY OTHER PURPOSE EXCEPT BY WRITTEN AGREEMENT.
- THE CONTRACTOR WARRANTS TO THE OWNER AND BUILDING MANAGEMENT THAT ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS CONTRACT WILL BE NEW UNLESS OTHERWISE SPECIFIED, AND THAT ALL WORK WILL BE GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. ALL WORK NOT SO CONFORMING TO THESE STANDARDS MAY BE CONSIDERED DEFECTIVE. IT IS UNDERSTOOD THAT NO INFERIOR OR NON-CONFORMING WORK OF THE MATERIALS WILL BE ACCEPTED WHETHER DISCOVERED AT THE TIME THEY ARE INCORPORATED IN THE WORK OR AT ANY TIME BEFORE OR AFTER THE FINAL ACCEPTANCE. IF REQUIRED BY THE OWNER, THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND INSTALLATION OF MATERIALS. THE WARRANTIES AND GUARANTEES PROVIDED IN THE CONSTRUCTION DOCUMENTS SHALL BE
- IN ADDITION TO AND NOT IN LIMITATION OF ANY OTHER WARRANTY AND GUARANTY OR REMEDY REQUIRED BY LAW OR THE CONSTRUCTION DOCUMENTS. GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, AND WORKMANSHIP
- FURNISHED OR INSTALLED BY HIM/HER OR THEIR SUBCONTRACTORS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE AND SHALL REPLACE ANY DEFECTIVE WORK WITHIN THAT PERIOD WITHOUT EXPENSE TO THE OWNER AND PAY FOR ALL DAMAGES TO OTHER PARTS OF THE BUILDING RESULTING FROM DEFECTIVE WORK OR ITS REPAIR. THE CONTRACTOR SHALL REPLACE DEFECTIVE WORK WITHIN TEN (10) DAYS AFTER IT IS BROUGHT TO HIS/HER
- PROTECTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER WORK AND THAT OF THEIR SUBCONTRACTORS FOR LOSSES AND DAMAGES TO EQUIPMENT. TOOLS, AND MATERIAL USED IN CONJUNCTION WITH THE WORK AND FOR ACTS OF HIS/HER EMPLOYEES.
- CLEANING UP: THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FROM ACCUMULATION OF WASTE MATERIALS AND RUBBISH AND AT COMPLETION OF THE WORK THE CONTRACTOR SHALL REMOVE ALL RUBBISH, IMPLEMENTS, AND SURPLUS MATERIALS AND LEAVE THE BUILDING CLEAN, WITH PAINTED AND WOOD SURFACES CLEAN, ALL FLOORS WAXED AND/OR POLISHED AS SPECIFIED, AND ALL GLASS AND MIRRORS CLEANED AND POLISHED. NO UNAUTHORIZED VISITS TO SITE, OCCUPIED OR UNOCCUPIED BY THE CONTRACTOR WILL BE PERMITTED PRIOR TO START OF WORK.
- CONTRACTOR IS TO PROVIDE A LIST OF ALL SUBCONTRACTORS USED TO THE OWNER, COMPLETE WITH ADDRESSES, PHONE NUMBERS, AND COPIES OF ALL WARRANTIES.
- OWNER SHALL HAVE ACCESS TO PROJECT FOR COMPLETION OF WORK BY OWNER. ALL FLOOR SLAB CUTTING, TRENCHING AND REMOVAL SHALL BE REPLACED WITH THE SAME MATERIAL IN THE SAME THICKNESS OF THE ADJACENT FLOOR MATERIAL. ADDITIONAL, CONC. PATCHING SHALL BE DOWELED INTO THE ADJACENT CONCRETE SLAB TO MINIMIZE
- DIFFERENTIAL SETTLEMENT OF THE FLOOR SYSTEM. ALL ROOF PENETRATIONS ARE TO BE PERFORMED BY BUILDING OWNER'S ROOFING
- CONTRACTOR. CONTACT BUILDING OWNER TO COORDINATE. IT SHALL BE SOLELY THE SIGN VENDOR'S RESPONSIBILITY TO DESIGN, FABRICATE AND INSTALL THE SIGN UNDER SEPARATE PERMIT. ANY AND ALL STRUCTURAL CONSIDERATIONS SHALL BE COORDINATED BETWEEN THE SIGN VENDOR, THE GENERAL CONTRACTOR, THE BUILDING OWNER AND HIS DESIGN PROFESSIONALS. GENERAL CONTRACTOR SHALL COORDINATE WITH SIGNAGE VENDOR AND CONTACT LANDLORD OR MUNICIPALITY FOR FINAL APPROVED LOCATION(S) PER THE TENANT SIGNAGE PROCEDURES AND/OR MUNICIPALITY REGULATIONS. SUBMIT PROPOSED DRAWINGS TO LANDLORD OR MUNICIPALITY AS REQUIRED FOR
- APPROVAL(S). THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL BE DEEMED THE AUTHORS AND OWNERS OF THEIR RESPECTIVE INSTRUMENTS OF SERVICE, INCLUDING THE DRAWINGS AND SPECIFICATIONS, AND WILL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS, THE CONTRACTOR, SUBCONTRACTORS. SUB-SUBCONTRACTORS, AND MATERIAL OR EQUIPMENT SUPPLIERS SHALL NOT OWN OR CLAIM A COPYRIGHT IN THE INSTRUMENTS OF SERVICE. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE ARCHITECT'S OR ARCHITECT'S CONSULTANTS' RESERVED RIGHTS.
- THE CONTRACTOR, SUBCONTRACTORS, SUB-SUBCONTRACTORS AND MATERIAL OR EQUIPMENT SUPPLIERS ARE AUTHORIZED TO USE AND REPRODUCE THE INSTRUMENTS OF SERVICE PROVIDED TO THEM SOLELY AND EXCLUSIVELY FOR EXECUTION OF THE WORK, ALL COPIES MADE UNDER THIS AUTHORIZATION SHALL BEAR THE COPYRIGHT NOTICE, IF ANY, SHOWN ON THE INSTRUMENTS OF SERVICE. THE CONTRACTOR, SUBCONTRACTORS, SUB-SUBCONTRACTORS, AND MATERIAL OR EQUIPMENT SUPPLIERS MAY NOT USE THE INSTRUMENTS OF SERVICE ON OTHER PROJECTS OR FOR ADDITIONS TO THIS PROJECT OUTSIDE THE SCOPE OF THE WORK WITHOUT THE SPECIFIC WRITTEN CONSENT OF THE

OWNER, ARCHITECT AND THE ARCHITECT'S CONSULTANTS.

- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR, AND HAVE CONTROL OVER, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT. UNLESS THE CONTRACT DOCUMENTS GIVE OTHER SPECIFIC INSTRUCTIONS CONCERNING THESE MATTERS. IF THE CONTRACT DOCUMENTS GIVE SPECIFIC INSTRUCTIONS CONCERNING CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, THE CONTRACTOR SHALL EVALUATE THE JOBSITE SAFETY THEREOF AND. EXCEPT AS STATED BELOW, SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE JOBSITE SAFETY OF SUCH MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, IF THE CONTRACTOR DETERMINES THAT SUCH MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES MAY NOT BE SAFE. THE CONTRACTOR SHALL GIVE TIMELY WRITTEN NOTICE TO THE OWNER AND ARCHITECT AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK WITHOUT FURTHER
  - WRITTEN INSTRUCTIONS FROM THE ARCHITECT. IF THE CONTRACTOR IS THEN INSTRUCTED TO PROCEED WITH THE REQUIRED MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES WITHOUT ACCEPTANCE OF CHANGES PROPOSED BY THE CONTRACTOR, THE OWNER SHALL BE SOLELY RESPONSIBLE FOR ANY LOSS OR DAMAGE ARISING SOLELY FROM THOSE OWNER-REQUIRED MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION OF PORTIONS OF WORK ALREADY PERFORMED TO DETERMINE THAT SUCH PORTIONS ARE IN PROPER CONDITION TO RECEIVE SUBSEQUENT WORK.
- UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, WATER, HEAT, UTILITIES, TRANSPORTATION, AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK. WHETHER TEMPORARY OR PERMANENT AND WHETHER OR NOT INCORPORATED OR TO BE INCORPORATED IN THE WORK.

#### **CONTRACTOR GENERAL NOTES**

- WARRENTY: THE CONTRACTOR WARRANTS TO THE OWNER AND ARCHITECT THAT MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT WILL BE OF GOOD QUALITY AND NEW UNLESS THE CONTRACT DOCUMENTS REQUIRE OR PERMIT OTHERWISE. THE CONTRACTOR FURTHER WARRANTS THAT THE WORK WILL CONFORM TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND WILL BE FREE FROM DEFECTS, EXCEPT FOR THOSE INHERENT IN THE QUALITY OF THE WORK THE CONTRACT DOCUMENTS REQUIRE OR PERMIT. WORK, MATERIALS, OR EQUIPMENT NOT CONFORMING TO THESE REQUIREMENTS MAY BE CONSIDERED DEFECTIVE. THE CONTRACTOR'S WARRANTY EXCLUDES REMEDY FOR DAMAGE OR DEFECT CAUSED BY ABUSE, ALTERATIONS TO THE WORK NOT EXECUTED BY THE CONTRACTOR, IMPROPER OR INSUFFICIENT MAINTENANCE, IMPROPER OPERATION, OR NORMAL WEAR AND TEAR AND NORMAL USAGE. IF REQUIRED BY THE ARCHITECT, THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND
- CONCEALED OR UNKNOWN CONDITIONS. IF THE CONTRACTOR ENCOUNTERS CONDITIONS AT THE SITE THAT ARE (1) SUBSURFACE OR OTHERWISE CONCEALED PHYSICAL CONDITIONS THAT DIFFER MATERIALLY FROM THOSE INDICATED IN THE CONTRACT DOCUMENTS OR (2) UNKNOWN PHYSICAL CONDITIONS OF AN UNUSUAL NATURE. THAT DIFFER MATERIALLY FROM THOSE ORDINARILY FOUND TO EXIST AND GENERALLY RECOGNIZED AS INHERENT IN CONSTRUCTION ACTIVITIES OF THE CHARACTER PROVIDED FOR IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY PROVIDE NOTICE TO THE OWNER AND THE ARCHITECT BEFORE CONDITIONS ARE DISTURBED AND IN NO EVENT LATER THAN 21 DAYS AFTER FIRST OBSERVANCE OF THE CONDITIONS. THE ARCHITECT WILL PROMPTLY INVESTIGATE SUCH CONDITIONS AND, IF THE ARCHITECT DETERMINES THAT THEY DIFFER MATERIALLY AND CAUSE AN INCREASE OR DECREASE IN THE CONTRACTOR'S COST OF, OR TIME REQUIRED FOR. PERFORMANCE OF ANY PART OF THE WORK, WILL RECOMMEND AN EQUITABLE ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, OR BOTH. IF THE ARCHITECT DETERMINES THAT THE CONDITIONS AT THE SITE ARE NOT MATERIALLY DIFFERENT FROM THOSE INDICATED IN THE CONTRACT DOCUMENTS AND THAT NO CHANGE IN THE TERMS OF THE CONTRACT IS JUSTIFIED. THE ARCHITECT SHALL PROMPTLY NOTIFY THE OWNER AND CONTRACTOR IN WRITING, STATING THE REASONS. IF EITHER PARTY DISPUTES THE ARCHITECT'S DETERMINATION OR RECOMMENDATION.
- ALLOWANCE: THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT SUM ALL ALLOWANCES STATED IN THE CONTRACT DOCUMENTS. ITEMS COVERED BY ALLOWANCES SHALL BE SUPPLIED FOR SUCH AMOUNTS AND BY SUCH PERSONS OR ENTITIES AS THE OWNER MAY DIRECT. BUT THE CONTRACTOR SHALL NOT BE REQUIRED TO EMPLOY PERSONS OR ENTITIES TO WHOM THE CONTRACTOR HAS REASONABLE OBJECTION.
- UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, 1. ALLOWANCES SHALL COVER THE COST TO THE CONTRACTOR OF MATERIALS AND EQUIPMENT DELIVERED AT THE SITE AND ALL REQUIRED TAXES, LESS APPLICABLE TRADE 2. CONTRACTOR'S COSTS FOR UNLOADING AND HANDLING AT THE SITE, LABOR, INSTALLATION COSTS, OVERHEAD, PROFIT AND OTHER EXPENSES CONTEMPLATED FOR STATED ALLOWANCE. AMOUNTS SHALL BE INCLUDED IN THE CONTRACT SUM BUT NOT IN THE ALLOWANCES 3. WHENEVER COSTS ARE MORE THAN OR LESS THAN ALLOWANCES. THE CONTRACT SUM SHALL BE ADJUSTED ACCORDINGLY BY CHANGE ORDER. THE AMOUNT OF THE CHANGE ORDER SHALL REFLECT (1) THE DIFFERENCE BETWEEN ACTUAL COSTS AND THE ALLOWANCES AND (2)
- SUPERINTENDENT: THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT AND NECESSARY ASSISTANTS WHO SHALL BE IN ATTENDANCE AT THE PROJECT SITE DURING PERFORMANCE OF THE WORK. THE SUPERINTENDENT SHALL REPRESENT THE CONTRACTOR, AND COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING AS IF GIVEN TO THE CONTRACTOR.
- THE CONTRACTOR, AS SOON AS PRACTICABLE AFTER AWARD OF THE CONTRACT, SHALL FURNISH IN WRITING TO THE OWNER THROUGH THE ARCHITECT THE NAME AND QUALIFICATIONS OF A PROPOSED SUPERINTENDENT. THE ARCHITECT MAY REPLY WITHIN 14 DAYS TO THE CONTRACTOR IN WRITING STATING (1) WHETHER THE OWNER OR THE ARCHITECT HAS REASONABLE OBJECTION TO THE PROPOSED SUPERINTENDENT OR (2) THAT THE ARCHITECT REQUIRES ADDITIONAL TIME TO REVIEW.
- THE CONTRACTOR SHALL NOT EMPLOY A PROPOSED SUPERINTENDENT TO WHOM THE OWNER OR ARCHITECT HAS MADE REASONABLE AND TIMELY OBJECTION. THE CONTRACTOR SHALL NOT CHANGE THE SUPERINTENDENT WITHOUT THE OWNER'S CONSENT, WHICH SHALL NOT UNREASONABLY BE WITHHELD OR DELAYED.
- SCHEDULE: THE CONTRACTOR, PROMPTLY AFTER BEING AWARDED THE CONTRACT, SHALL PREPARE AND SUBMIT FOR THE OWNER'S AND ARCHITECT'S INFORMATION A CONTRACTOR'S CONSTRUCTION SCHEDULE FOR THE WORK. THE SCHEDULE SHALL NOT EXCEED TIME LIMITS CURRENT UNDER THE CONTRACT DOCUMENTS , SHALL BE REVISED AT APPROPRIATE INTERVALS AS REQUIRED BY THE CONDITIONS OF THE WORK AND PROJECT. SHALL BE RELATED TO THE ENTIRE PROJECT TO THE EXTENT REQUIRED BY THE CONTRACT DOCUMENTS, AND SHALL PROVIDE FOR EXPEDITIOUS AND PRACTICABLE EXECUTION OF THE WORK.
- DOCUMENTS AND SAMPLES AT THE SITE: THE CONTRACTOR SHALL MAINTAIN AT THE SITE FOR HE OWNER ONE COPY OF THE DRAWINGS. SPECIFICATIONS. ADDENDA. CHANGE ORDERS AND OTHER MODIFICATIONS. IN GOOD ORDER AND MARKED CURRENTLY TO INDICATE FIELD CHANGES AND SELECTIONS MADE DURING CONSTRUCTION, AND ONE COPY OF APPROVED SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR REQUIRED SUBMITTALS. THESE SHALL BE AVAILABLE TO THE ARCHITECT AND SHALL BE DELIVERED TO THE ARCHITECT FOR SUBMITTAL TO THE OWNER UPON COMPLETION OF THE WORK AS A RECORD OF THE WORK AS

#### SHOP DRAWING NOTES

- SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS ARE NOT CONTRACT DOCUMENTS. THEIR PURPOSE IS TO DEMONSTRATE THE WAY BY WHICH THE CONTRACTOR PROPOSES TO CONFORM TO THE INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS FOR THOSE PORTIONS OF THE WORK FOR WHICH THE CONTRACT DOCUMENTS REQUIRE SUBMITTALS. REVIEW BY THE ARCHITECT IS SUBJECT TO THE LIMITATIONS OF INFORMATIONAL SUBMITTALS UPON WHICH THE ARCHITECT IS NOT EXPECTED TO TAKE RESPONSIVE ACTION MAY BE SO IDENTIFIED IN THE CONTRACT DOCUMENTS. SUBMITTALS THAT ARE NOT REQUIRED BY THE CONTRACT DOCUMENTS MAY BE RETURNED BY THE ARCHITECT
- THE CONTRACTOR SHALL REVIEW FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. APPROVE AND SUBMIT TO THE ARCHITECT SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS REQUIRED BY THE CONTRACT DOCUMENTS IN ACCORDANCE WITH THE SUBMITTAL SCHEDULE APPROVED BY THE ARCHITECT OR, IN THE ABSENCE OF AN APPROVED SUBMITTAL SCHEDULE. WITH REASONABLE PROMPTNESS AND IN SUCH SEQUENCE AS TO CAUSE NO DELAY IN THE WORK OR IN THE ACTIVITIES OF THE OWNER OR OF SEPARATE CONTRACTORS.
- BY SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS, THE CONTRACTOR REPRESENTS TO THE OWNER AND ARCHITECT THAT THE CONTRACTOR HAS (1) REVIEWED AND APPROVED THEM, (2) DETERMINED AND VERIFIED MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA RELATED THERETO, OR WILL DO SO AND (3) CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH THE REQUIREMENTS OF THE WORK AND OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK FOR WHICH THE CONTRACT DOCUMENTS REQUIRE SUBMITTAL AND REVIEW OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNTIL THE RESPECTIVE SUBMITTAL HAS BEEN APPROVED BY THE
- THE WORK SHALL BE IN ACCORDANCE WITH APPROVED SUBMITTALS EXCEPT THAT THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND (1) THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION AS A MINOR CHANGE IN THE WORK, OR (2) A CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVE HAS BEEN ISSUED AUTHORIZING THE DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA
- SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT'S APPROVAL THEREOF. THE CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION. IN WRITING OR ON RESUBMITTED SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS, TO REVISIONS OTHER THAN THOSE REQUESTED BY THE ARCHITECT ON PREVIOUS SUBMITTALS. IN THE ABSENCE OF SUCH WRITTEN NOTICE, THE ARCHITECT'S APPROVAL OF A RESUBMISSION SHALL NOT APPLY TO SUCH

## **SUBMITTAL NOTES**

- WITHIN TEN (10) BUSINESS DAYS AFTER THE EFFECTIVE DATE OF THE AGREEMENT (UNLESS OTHERWISE SPECIFIED IN THE GENERAL REQUIREMENTS), CONTRACTOR SHALL SUBMIT TO ARCHITECT FOR TIMELY REVIEW A PRELIMINARY SCHEDULE OF SUBMITTALS. THE CONTRACTOR SHALL PREPARE AND KEEP CURRENT, FOR THE ARCHITECT'S APPROVAL, A
- SCHEDULE AND ALLOWS THE ARCHITECT REASONABLE TIME TO REVIEW SUBMITTALS. WHEN ASSEMBLING A SUBMITTAL SCHEDULE, THE CONTRACTOR MUST TAKE INTO CONSIDERATION THE LEAD-TIMES FOR EACH ITEM REQUIRING A SUBMITTAL TO ENSURE THAT THE CONTRACTOR HAS SUFFICIENT TIME AFTER APPROVAL OF THE SUBMITTALS TO GET THE MATERIALS AND/OR EQUIPMENT FABRICATED AND DELIVERED TO THE SITE WITHOUT DELAYING

SCHEDULE OF SUBMITTALS WHICH IS COORDINATED WITH THE CONTRACTOR'S CONSTRUCTION

- REIVEW TIMEFRAME FOR EACH INITIAL SUBMITTAL IS TYPICALLY FIVE (5) BUSINESS DAYS. RESUBMITTAL TIMEFRAME IS TYPICALLY THREE (3) BUSINESS DAYS. CONTRACTOR SHALL REVIEW AND PROVIDE APPROVAL STAMP ON EACH SUBMITTAL PRIOR
- SUBMITTING THE SUBMITTAL TO ARCHITECT'S REVIEW. SUBMITTAL WITHOUT CONTRACTOR'S APPROVAL STAMP WILL BE REJECT AND RETURN BACK TO THE CONTRACTOR. CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM
- REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS. WITH EACH SUBMITTAL, CONTRACTOR SHALL GIVE ARCHITECT SPECIFIC WRITTEN NOTICE OF
- ANY VARIATIONS, THAT THE SHOP DRAWING OR SAMPLE MAY HAVE FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THIS NOTICE SHALL BE BOTH A WRITTEN COMMUNICATION SEPARATE FROM THE SHOP DRAWING'S OR SAMPLE SUBMITTAL: AND. IN ADDITION. BY A SPECIFIC NOTATION MADE ON EACH SHOP DRAWING OR SAMPLE SUBMITTED FOR REVIEW AND APPROVAL OF EACH SUCH VARIATION.
- UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND (1) THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION AS A MINOR CHANGE IN THE WORK, OR (2) A CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVE HAS BEEN ISSUED AUTHORIZING THE DEVIATION. CONTRACTOR SHALL ONLY PROVIDE SUBMITTALS THAT IS INDICATED WITHIN THE CONTRACT DOCUMENT OR BY ARCHITECT'S REQUEST. ANY OTHER SUBMITTAL THAT IS NOT EQUEST BY THE
  - CONTRACT DOCUMENT OR ARCHITECT WILL BE RETURN TO CONTRACTOR WITHOUT COMMENT SUBMITTALS INCLUDED THE FOLLOWINGS: **HVAC EQUIPMENTS** PLUMBING FIXTURE CUT SHEET **ELECTRICAL PANEL & EQUIPMENTS**
  - MILLWORK SHOP DRAWING AND MATERIAL SAMPLE STOREFRONT SYSTEM

## TILE SAMPLES

THE PROJECT.

## INDEMINFICATION

- TO THE FULLEST EXTENT PERMITTED BY LAW THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND ITS AGENTS AND EMPLOYEES FROM AND AGAINST CLAIMS, DAMAGES LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR RESULTING FROM PERFORMANCE OF THE WORK, PROVIDED THAT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE OR DEATH, OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF), BUT ONLY TO THE EXTENT CAUSED BY THE NEGLIGENT ACTS OR OMISSIONS OF THE CONTRACTOR, A SUBCONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE. REGARDLESS OF WHETHER OR NOT SUCH CLAIM. DAMAGE. LOSS OR EXPENSE IS CAUSED IN PART BY A PARTY INDEMNIFIED HEREUNDER. SUCH OBLIGATION SHALL NOT BE CONSTRUED TO NEGATE. ABRIDGE. OR REDUCE OTHER RIGHTS OR OBLIGATIONS
- OF INDEMNITY WHICH WOULD OTHERWISE EXIST AS TO A PARTY OR PERSON. IN CLAIMS AGAINST ANY PERSON OR ENTITY INDEMNIFIED BY AN EMPLOYEE OF THE CONTRACTOR A SUBCONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE. THE INDEMNIFICATION OBLIGATION SHALL NOT BE LIMITED BY A LIMITATION ON AMOUNT OR TYPE OF DAMAGES, COMPENSATION OR BENEFITS PAYABLE BY OR FOR THE CONTRACTOR OR A SUBCONTRACTOR UNDER WORKERS' COMPENSATION ACTS. DISABILITY BENEFIT ACTS OR OTHER EMPLOYEE BENEFIT ACTS.

#### **CHANGES IN WORK**

- CHANGES IN THE WORK MAY BE ACCOMPLISHED AFTER EXECUTION OF THE CONTRACT, AND WITHOUT INVALIDATING THE CONTRACT, BY CHANGE ORDER, CONSTRUCTION CHANGE DIRECTIVE OR ORDER FOR A MINOR CHANGE IN THE WORK, SUBJECT TO THE LIMITATIONS STATED IN THE CONTRACT
- A CHANGE ORDER SHALL BE BASED UPON AGREEMENT AMONG THE OWNER, CONTRACTOR AND ARCHITECT; A CONSTRUCTION CHANGE DIRECTIVE REQUIRES AGREEMENT BY THE OWNER AND ARCHITECT AND MAY OR MAY NOT BE AGREED TO BY THE CONTRACTOR: AN ORDER FOR A MINOR CHANGE IN THE WORK MAY BE ISSUED BY THE ARCHITECT ALONE.
- CHANGES IN THE WORK SHALL BE PERFORMED UNDER THE CONTRACT DOCUMENTS, AND THE CONTRACTOR SHALL PROCEED PROMPTLY, UNLESS OTHERWISE PROVIDED IN THE CHANGE ORDER. CONSTRUCTION CHANGE DIRECTIVE OR ORDER FOR A MINOR CHANGE IN THE WORK.
- CHANGE ORDERS A CHANGE ORDER IS A WRITTEN INSTRUMENT PREPARED BY THE ARCHITECT AND SIGNED BY THE OWNER, CONTRACTOR AND ARCHITECT STATING THEIR AGREEMENT UPON ALL OF THE FOLLOWING:
- 1. THE CHANGE IN THE WORK 2. THE AMOUNT OF THE ADJUSTMENT, IF ANY, IN THE CONTRACT SUM;
- 3. THE EXTENT OF THE ADJUSTMENT, IF ANY, IN THE CONTRACT TIME.

CONSTRUCTION CHANGE DIRECTIVES

- A CONSTRUCTION CHANGE DIRECTIVE IS A WRITTEN ORDER PREPARED BY THE ARCHITECT AND SIGNED BY THE OWNER AND ARCHITECT, DIRECTING A CHANGE IN THE WORK PRIOR TO AGREEMENT ON ADJUSTMENT, IF ANY, IN THE CONTRACT SUM OR CONTRACT TIME, OR BOTH. THE OWNER MAY BY CONSTRUCTION CHANGE DIRECTIVE, WITHOUT INVALIDATING THE CONTRACT, ORDER CHANGES IN THE WORK WITHIN THE GENERAL SCOPE OF THE CONTRACT CONSISTING OF ADDITIONS. DELETIONS
- OR OTHER REVISIONS, THE CONTRACT SUM AND CONTRACT TIME BEING ADJUSTED ACCORDINGLY. A CONSTRUCTION CHANGE DIRECTIVE SHALL BE USED IN THE ABSENCE OF TOTAL AGREEMENT ON THE TERMS OF A CHANGE ORDER.
- IF THE CONSTRUCTION CHANGE DIRECTIVE PROVIDES FOR AN ADJUSTMENT TO THE CONTRACT SUM, THE ADJUSTMENT SHALL BE BASED ON ONE OF THE FOLLOWING METHODS: 1. MUTUAL ACCEPTANCE OF A LUMP SUM PROPERLY ITEMIZED AND SUPPORTED BY SUFFICIENT
- SUBSTANTIATING DATA TO PERMIT EVALUATION; 2.UNIT PRICES STATED IN THE CONTRACT DOCUMENTS OR SUBSEQUENTLY AGREED UPON; 3.COST TO BE DETERMINED IN A MANNER AGREED UPON BY THE PARTIES AND A MUTUALLY ACCEPTABLE FIXED OR PERCENTAGE FEE; OR
- IF UNIT PRICES ARE STATED IN THE CONTRACT DOCUMENTS OR SUBSEQUENTLY AGREED UPON, AND IF QUANTITIES ORIGINALLY CONTEMPLATED ARE MATERIALLY CHANGED IN A PROPOSED CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVE SO THAT APPLICATION OF SUCH UNIT PRICES TO QUANTITIES OF WORK PROPOSED WILL CAUSE SUBSTANTIAL INEQUITY TO THE OWNER OR CONTRACTOR, THE APPLICABLE UNIT PRICES SHALL BE EQUITABLY ADJUSTED.
- UPON RECEIPT OF A CONSTRUCTION CHANGE DIRECTIVE, THE CONTRACTOR SHALL PROMPTLY PROCEED WITH THE CHANGE IN THE WORK INVOLVED AND ADVISE THE ARCHITECT OF THE CONTRACTOR'S AGREEMENT OR DISAGREEMENT WITH THE METHOD, IF ANY, PROVIDED IN THE CONSTRUCTION CHANGE DIRECTIVE FOR DETERMINING THE PROPOSED ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME.
- A CONSTRUCTION CHANGE DIRECTIVE SIGNED BY THE CONTRACTOR INDICATES THE CONTRACTOR'S AGREEMENT THEREWITH, INCLUDING ADJUSTMENT IN CONTRACT SUM AND CONTRACT TIME OR THE METHOD FOR DETERMINING THEM. SUCH AGREEMENT SHALL BE EFFECTIVE IMMEDIATELY AND SHALL BE RECORDED AS A CHANGE ORDER.
- 11 IF THE CONTRACTOR DOES NOT RESPOND PROMPTLY OR DISAGREES WITH THE METHOD FOR ADJUSTMENT IN THE CONTRACT SUM, THE ARCHITECT SHALL DETERMINE THE METHOD AND THE ADJUSTMENT ON THE BASIS OF REASONABLE EXPENDITURES AND SAVINGS OF THOSE PERFORMING THE WORK ATTRIBUTABLE TO THE CHANGE. INCLUDING, IN CASE OF AN INCREASE IN THE CONTRACT SUM, AN AMOUNT FOR OVERHEAD AND PROFIT AS SET FORTH IN THE AGREEMENT, OR IF NO SUCH AMOUNT IS SET FORTH IN THE AGREEMENT, A REASONABLE AMOUNT, IN SUCH CASE, THE CONTRACTOR SHALL KEEP AND PRESENT. IN SUCH FORM AS THE ARCHITECT MAY PRESCRIBE. AN ITEMIZED ACCOUNTING TOGETHER WITH APPROPRIATE SUPPORTING DATA. UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, COSTS FOR THE PURPOSES BE LIMITED TO THE FOLLOWING:
- 1.COSTS OF LABOR, INCLUDING SOCIAL SECURITY, OLD AGE AND UNEMPLOYMENT INSURANCE. FRINGE BENEFITS REQUIRED BY AGREEMENT OR CUSTOM, AND WORKERS' COMPENSATION
- 2.COSTS OF MATERIALS, SUPPLIES AND EQUIPMENT, INCLUDING COST OF TRANSPORTATION, WHETHER INCORPORATED OR CONSUMED; 3.RENTAL COSTS OF MACHINERY AND EQUIPMENT, EXCLUSIVE OF HAND TOOLS, WHETHER RENTED
- FROM THE CONTRACTOR OR OTHERS; 4.COSTS OF PREMIUMS FOR ALL BONDS AND INSURANCE, PERMIT FEES, AND SALES, USE OR SIMILAR TAXES RELATED TO THE WORK; AND 5.ADDITIONAL COSTS OF SUPERVISION AND FIELD OFFICE PERSONNEL DIRECTLY ATTRIBUTABLE TO THE CHANGE.

#### PRODUCT HANDLING NOTES

- EXCEPT AS OTHERWISE APPROVED BY THE ARCHITECT, DETERMINE AND COMPLY WITH MANUFACTURER'S RECOMMENDATIONS ON PRODUCT HANDLING, STORAGE AND
- DELIVER PRODUCTS TO THE JOB SITE IN THEIR MANUFACTURER'S ORIGINAL CONTAINER WITH LABELS INTACT AND LEGIBLE. MAINTAIN PACKED MATERIAL WITH SEALS UNBROEKN AND
- LABELS INTACT UNTIL TIME OF USE. PROMPTLY REMOVE DAMANGED MATERIAL AND UNSUITABLE ITEMS FROM THE JOB SITE AND PROMPTLY REPLACE WITH MATERIAL MEETING THE SPECIFIED REQUIREMENTS AT NO
- ADDITIONAL COST TO THE OWNER. PROTECT FINISHED SURFACES, INCLUDING JAMBS AN SOFFITS OF OPENINGS USED AS
- PASSAGEWAYS AND FLOORS THROUGH WHICH QUIPMENT AND MATERIALS ARE HANDLED. IN THE EVENT OF DAMAGE, PROMPTLY MAKE REPLACEMENTS AND REPAIRS TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO OWNER.
- ALL DELIVERIES ARE TO BE CLEARLY MARKED WITH TENANT NAME, SPACE NUMBER, TENANT GENERAL CONTRACTOR'S NAME AND PHONE NUMBER.
- TENANT GENERAL CONTRACTOR IS REQUIRED TO HAVE ADEQUATE PERSONEL AND EQUIPMENT FOR RECEIVING DELIVERIES.

## **CLEANING NOTES**

- THE CONTRACTOR SHALL KEEP THE PREMISES AND SURROUNDING AREA FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY OPERATIONS UNDER THE CONTRACT. AT COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE WASTE MATERIALS, RUBBISH, THE CONTRACTOR'S TOOLS, CONSTRUCTION EQUIPMENT. MACHINERY AND SURPLUS MATERIALS FROM AND ABOUT THE PROJECT.
- IF THE CONTRACTOR FAILS TO CLEAN UP AS PROVIDED IN THE CONTRACT DOCUMENTS, THE OWNER MAY DO SO AND OWNER SHALL BE ENTITLED TO REIMBURSEMENT FROM THE

## **CONSTRUCTION PROJECT MEETING**

- WEEKLY CONSTRUCTION MEETING SHALL BE CONDUCT ON SITE. GENERAL CONTRACTOR MANAGER, SUPER INTENDENT, ARCHITECT, ENGINEER,, AND OWNER'S REPRESENTATIVE ARE REQUIRED TO ATTEND THE MEETING.
- GENERAL CONTRACTOR MANAGER SHALL PREPARE MEETING AGENDA CONDUCT MEETINGS, AND WRITE AND DISTRUBTE MEETING MINUTE AND DECISION TO PARTICIPANTS
  - IN MEETING AND PARTIES AFFECT BY DECISION MADE AT THE MEETINGS. NOTIFICATION: GIVE PARTICIPANTS NO FEWER THAN SEVEN (7) DAYS NOTICE FOR ANY MEETING NOT REGULARLY SCHEDULED.

PRINCIPAL IN CHARGE PROJECT MANAGER:

Issue For:

09/05/18

Project Status

REASON

3850 WORSHAM

BOULEVARD

153-001-18

THE 908 LBX - LONG BEACH EXCHANGE

Innovation and Design in Architecture

218 The Promenade North

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ering Consultant:

Project Owner:

y. All information should be disregarded unless verified

GEOFFREY B. LIM

SUITE 410, BUILDING (TYP) **Project Number:** 

Sheet Title: **GENERAL NOTES** 

#### PROJECT CLOSEOUT NOTES

- CONTRACTOR, UPON COMPLETION OF WORK SHALL NOTIFY ARCHITECT AND OWNER'S REPRESENTATIVE. AND SCHEDULE A WALK-THRU INSPECTION. UPON COMPLETION OF INSPECTION THE CONSTRUCTION PROJECT MANAGER WILL ISSUE A

PROCESSED UNTIL ALL ITEMS ON THE PUNCH LIST HAVE BEEN COMPLETED TO THE SATISFACTION OF NIKE AND THE

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CORRECT ALL DEFECTS IN MATERIAL AND/OR WORKMANSHIP NOTED DURING SAID INSPECTION AT NO ADDITIONAL COST TO THE OWNER WITHIN A PERIOD OF TIME AGREEABLE TO OWNER. CONTRACTOR SHALL NOTIFY OWNER AND ARCHITECT UPON COMPLETION OF ALL PUNCH LIST ITEMS AND A FINAL INSPECTION SHALL THEN BE CONDUCTED TO VERIFY THEIR CORRECTION. FINAL PAYMENT REQUESTS CANNOT BE

FILE FOLLOWING WITH OWNER PRIOR TO FINAL PAYMENT:

- WARRANTIES
- LIENS: RELEASE OR WAIVER AS REQUIRED UNDER CONTRACT DOCUMENTS. CONTRACTOR SHALL FILE A "NOTICE OF COMPLETION" RECORDED WITH THE LOCAL AUTHORITIES AS REQUIRED UPON
- BONDS AND SPECIAL SERVICE MAINTENANCE CONTRACTS: AS SPECIFIED, EXECUTED BY EACH SUBCONTRACTOR, MANUFACTURER AND SUPPLIER AS APPLICABLE.
- KEEP MARKED-UP UP-TO-DATE SET OF CONSTRUCTION DRAWINGS ON SITE AS AN ACCURATE RECORD OF CHANGES AND DEVIATIONS BETWEEN WORK AS SHOWN AND INSTALLED.
- UPON COMPLETION OF WORK, FURNISH THE ARCHITECT WITH A COMPLETE SET
  - OF MARKED-UP REPRODUCIBLES WITH "RECORD DOCUMENTS" CLEARLY PRINTED IN LOWER RIGHT HAND CORNER OF EACH SHEET. TRANSFER ALL CHANGES AND DEVIATIONS FROM CONSTRUCTION SET TO "RECORD DOCUMENT" SET. SIGN EACH FINAL RECORD DRAWING. NOTE THEREON THAT RECORD DOCUMENTS ARE COMPLETED AND ACCURATE.

#### CLOSE OUT PACKAGE REQUIREMENTS

- ALL OF THE FOLLOWING ITEMS SHALL BE COMPLETED BEFORE FINAL COMPLETION IS CERTIFIED AND RETENTION IS RELEASED TO THE CONTRACTOR. IT IS THE TENANT'S OBLIGATION TO SECURE ALL DOCUMENTS FROM THE CONTRACTOR
- PROJECT CLOSEOUT DOCUMENTS: ALL ITEMS SHALL BE SUBMITTED TOGETHER IN ONE INDEXED 3-RING BINDER WITH SECTIONAL TABS AS IDENTIFIED BELOW. BINDER TO BE IDENTIFIED AND LABELED WITH PROJECT NAME AND GENERAL CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ONE (1) COPY TO THE TENANT'S PROJECT MANAGER. PROJECT CLOSEOUT DOCUMENTS SHALL INCLUDE, BUT NOT BE LIMITED TO:
- OPERATIONS MANUALS FOR ALL RELEVANT EQUIPMENT INSTALLED IN TENANT IMPROVEMENT WORK
- A SWORN AFFIDAVIT LIST OF ALL CONTRACTORS AND SUBCONTRACTORS WHO PERFORMED TENANT IMPROVEMENT WORK ON THE PROJECT, INCLUDING COMPANY NAME, ADDRESS, TELEPHONE AND FAX NUMBERS AND CONTACT
- PERSON'S NAME; CONTRACT AMOUNTS AND ZERO BALANCE DUE CONFIRMATIONS. A LIGHT OF ALL ROOF EQUIPMENT INSTALLED IN TENANT IMPROVEMENT WORK,
- WITH SERIAL NUMBERS AND MODEL NUMBERS OF EACH PIECE OF EQUIPMENT
- WRITTEN ONE-YEAR WARRANTEES FROM CONTRACTOR AND SUBCONTRACTORS GUARANTEES FOR ALL RELEVANT EQUIPMENT INSTALLED IN TENANT IMPROVEMENT WORK
- A COPY OF THE BUILDING PERMIT IF A SEPARATE PERMIT WAS OBTAINED FOR TENANT IMPROVEMENT WORK
- A COPY OF THE CERTIFICATE OF SUBSTANTIAL COMPLETION FOR TENANT IMPROVEMENT WORK
- A COPY OF THE CERTIFICATE OF OCCUPANCY (OR TEMPORARY CERTIFICATE OF OCCUPANCY) IF OCCUPANCY WAS IMPACTED BY TENANT IMPROVEMENT WORK A COPY OF ALL OPERATING PERMITS FOR EQUIPMENT INSTALLED IN TENANT
- IMPROVEMENT WORK AS REQUIRED BY LOCAL AUTHORITIES A COPY OF THE FINAL PUNCH LIST WITH ALL ITEMS SIGNED OFF BY THE TENANT
- PROJECT MANAGER
- A CURRENT CHANGE ORDER LOG RECAPPING ALL EXTRAS HAVE BEEN DOCUMENTED AND APPROVED HVAC CERTIFIED AND INDEPENDENT AIR BALANCE REPORT.
- 11M FINAL UNCONDITIONAL WAIVERS AND LIEN RELEASES FROM THE TENANT'S CONTRACTOR AND SUBCONTRACTORS.

## **SPRINKLER NOTES**

- THIS SPACE IS TO BE PROVIDED WITH AN AUTOMATIC WET PIPE SPRINKLER SYSTEM. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE MODIFICATION OF THE EXISTING SYSTEM AND SHALL PROVIDE A NEW LAYOUT IN ACCORDANCE WITH NEW WALLS, LIGHTING AND HVAC SYSTEMS, AND SHALL PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM FOR THE PROPOSED TENANT FINISH OF THIS SPACE. CONTRACTOR SHALL PREPARE ALL NEEDED DRAWINGS AND HAVE APPROVAL OF ALL STATE, LOCAL & INSURANCE UNDERWRITING AUTHORITES AS WELL AS MEETING ALL N.F.P.A 13 REQUIERMENTS. THE SPRINKLERS SYSTEM SHALL BE PRESSURE TESTED BY FIRE PROTECTION CONTRACTOR INSPECTED AND APPORVED BY LOCAL FIRE MARSHALL PRIOR TO ACCEPTANCE BY OWNER. INSPECT SITE AND CONSULT WHITH LANDLORD
- REPRESENTATIVE FOR EXACT EXISTING CONDITIONS OF FIRE PROTECTION SYSTEM, FOR LOCATION, CONNECTION POINT, SIZE, TYPE, ETC, PROVIDE SIGNED AND SEALED DRAWINGS AS REQUIRED TO THE LOCAL AUTHORITY. DRAWINGS SHALL BE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER EMPLOYED BY FIRE PROTECTION CONTRACTOR, WHO IS IN CHARGE OF THIS WORK, SPRINKLER HEADS IN PUBLIC VIEWABLE CEILINGS MUST BE OF AN APPROVED CONCEALED TYPE. SURFACE MOUNTED HEADS ARE PERMITTED IN AREAS NOT VISIBLE TO CUSTOMER. PRICING FOR COMPLETE AND FULLY OPERATIONAL SYSTEM SHALL BE INCLUDED IN GENERAL CONTRACTORS
- PRIOR TO THE START OF DEMOLITON THE EXISTING FIRE LIFE SAFETY AND FIRE SPRINKLER SYSTEMS WITHIN THE PREMISES SHALL BE SAFED OFF, "DEACTIVATED" TO ALLEVIATE ANY POTENTUAL ACCIDENTAL DISCHARGE OR ACTIVATION. IN ADDITION, CARE NEEDS TO BE INCORPORATED INTO YOUR DEMOLITION TO PREVENT DAMAGE OR REMOVAL OF EXISTING INSTALLATIONS INTENDED TO BE REUSED OR THOSE THAT SERVE OTHER TENANCIES. IF NOT SURE OF SYSTEM OR THOSE IT PROVIDES, CONTACT LANDLORD IN ADVANCE OF IT'S REMOVAL. G.C. SHALL BE
- RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY SUCH OCCURRENCE. 3 NOTE THAT THE SPRINKLER DESIGN IS A DEFFER SUBMITTAL. THE SPRINKLER DESIGN IS TO BE COMPLETED BY A LICENSED FIRE SPRINKLER CONTRACTOR TO BE REVIEW AND APPROVED UNDER SEPARATE PERMIT SUBMITTAL.

## FIRE PREVENTION NOTES

- EXIT DOOR SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING ANY HAZARIDOUS AREA OR WHEN SERVING AN OCCUPANT LOAD OF 50 OR MORE. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR
- EXCEPTION: THIS REQUIREMENT SHALL NOT APPLY TO EXTERIOR EXIT DOORS IN A GROUP "B" OCCUPANCY IF THERE IS A VISIBLE, DURABLE SIGN ON A ADJACENT EXIT DOORS STATING "THIS DOOR TO REMAIN OPEN DURING BUSINESS HOURS." THE LETTERS SHALL BE NOT LESS THAN 1 INCH HIGH ON A CONTRACTING BACKGROUND. THE LOCKING DEVICE MUST BE A TYPE THAT WILL BE REAILY DISTINGUISHABLE AS LOCKED.
- PANIC HARDWARE, WHEN INSTALLED, SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE REQUIREMENTS. THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 30 INCHES NOR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCES SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF EXIT
- THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT CANDLE AT THE WALKING SURFACE LEVEL.
- EXIT SIGNS SHALL BE INSTALLED AT REQUIRED EXIT DOORWAYS AND WHERE OTHERWISE NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS WHEN THE EXIT SERVES AN OCCUPANT LOAD OF 50 OR MORE. WHERE NECESSARY, THE FINAL LOCATION AND QUANTITY OF EXIT SIGNS SHALL BE DETERMINED BY THE FIRE
- DEPARTMENT PRIOR TO CONSTRUCTION OF ANY WORK. THE COLOR AND DESIGN OF LETTERING, ARROW, AND OTHER SYMBOLS OF EXIT SIGN SHALL BE IN HIGH CONTRAST WITH
- THEIR BACKGROUND (3/4" X 6" LETTERS MIN) ALL RATED CORRIDOR DOORS SHALL HAVE A THRESHOLD WITH A SMOKE AND DRAFT SEAL AT HEAD AND JAMBS. INTERIOR WALL AND CEILING FINISHES SHALL BE NON-COMBUSTIBLE OR HAVE A FLAME SPREAD RATING OF 0 TO 25 FEET
- ALL DRAPS, HANGING CURTAINS AND OTHER DECORATIVE MATERIALS SHALL BE TREATED AND MAINTAINED IN A FLAME FIRE DAMPERS OR DOORS SHALL BE PROVIDE WHERE AIR DUCTS PENETRATE FIRE RATED WALLS OR CEILING. SMOKE DAMPERS SHALL BE PROVIDED WHERE AIR DUCTS PENTRATED FIRE RATED WALL OR CEILING.
- EXTEND / MODIFY FIRE LIFE SAFTY SYSTEM AS REQUIRED A PORTABLE FIRE EXTINGUISHER WITH A MINIMUM 2A 10BC RATING SHALL BE PROVIDED EVERY 75' OF TRAVEL DISTANCE FROM ANY POINT WITHIN THE AREA DEFINED AS SCOPE OF WORK PER THESE PLANS PROVIDE FIRE EXTINGUISHED AS
- PROVIDE EMERGENCY NOTIFICATION SYSTEM FOR THE HEARING AND VISUAL IMPAIRED PER A.D.A. REQUIREMENT
- DOOR NOTES
- ALL MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS ARE PROHIBITED ON EXIT DOOR WHEN EXIT DOOR ARE USED IN PAIRS AND APPROVED AUTOMATIC FLUSH BOLTS ARE USED. THE DOOR LEAD HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOOR KNOB OR SURFACE MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRED OMRE THAN ONE OPERATION.
- ALL EXIT DOOR HARDWARE SHALL BE OF AN APPROVED TYPE AND TESTED IN ACCORDANCE WITH PROCEDURES ESTABLISHED BY SFM 33.2 AND SFM 33.3
- ALL HOLLOW METAL DOOR FRAMES SHALL BE PROVIDED WITH STEEL FRAME
- ALL THRESHOLD SHALL NOT EXCEED 1/2" CHANGE IN ELEVATION. THE CONTRACTOR SHALL UNDERCUT ALL NEW AND EXISTING DOORS AS REQUIRED TO ACCOMODATE ALL FLOOR
- CONVERINGS. VERIFY EXACT THICKNESS OF ALL NEW FLOOR COVERING WITH ARCHITECT PRIOR TO UNDERCUTTING OF
- STANDARD MINIMUM DISTANCE BETWEEN DOOR JAMBS AND WALLS PERPENDICULAR AND ADJACENT TO DOOR OPENING TO BE 4" UNLESS OTHERWISE NOTES.
- **CEILING NOTES** SUSPENSION SYSTEM SHALL BE AS INDICATED IN REFLECTED CEILING PLAN. LIGHTING FIXTURE SHALL BE INDEPENDENTLY SUPPORTED AT OPPOSITE CORNERS WITH NO. 12 WIRE,
- IF APPLICABLE LATERAL SUPPORT SHALL BE PROVIDED BY FOUR (12 GAUGE MINIMUM) WIRES SPLAYED IN FOUR DIRECTIONS AT 90 DEGRESS APART AND SHALL CONNECT TO THE MAIN RUNNER WITH 12 WINCHES OF THE ACROSS RUNNER TO THE STRUCTURE ABOVE OR TO PARTITION WALLS OR SHALL BE BRACED AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING SUPPORT POINTS SHALL BE PLACED 12'-0" O.C. IN EACH DIRECTION WITH THE FIRST POINT WITHIN 4'-0" FROM EACH WALL.
- IF APPLICABLE PROVIDE SUSPENDED CEILING OF FURRED OUT SURFACES WHERE REQUIRED TO CONCEAL PIPING, DUCT, ETC. IN FINISHED ROOMS, SHOULD CONDITIONS REQURED ALTERATIONS AT INDICATED CEILING HEIGHTS DUE TO STRUCTURAL OR MECHANICAL REQUIREMENT, OBTAIN THE FACILITIES MANAGEMENTS APPROVAL BEFORE INSTALLIUNIG

#### **HEALTH DEPARTMENT NOTES**

- 1. ALL FOOD-RELATED AND UTENSIL-RELATED EQUIPMENT SHALL MEET OR BE EQUIVALENT TO SANITATION STANDARDS ESTABLISHED BY AN AMERICAN NATIONAL
- STANDARDS INSTITUTE (ANSI) ACCREDITED PROGRAM. 2. ALL FLOOR MOUNTED EQUIPMENT WILL BE INSTALLED ON MINIMUM 6" SANITARY LEGS. CASTORS. OR COMPLETELY SEALED IN POSITION ON A 4" HIGH CURB WITH

CONTINUOUSLY COVED BASE. COUNTERTOP EQUIPMENT WILL BE ON 4" SANITARY

LEGS OR SEALED TO THE COUNTER UNLESS READILY MOVABLE. 3. IF SOFT DRINK, ICE OR OTHER DISPENSERS ARE SELF-SERVICE, OR IF REFILLS ARE PROVIDED THEY MUST BE PUSH BUTTON TYPES, OR LEVER TYPES WHERE THE

LEVER CONTACTS THE CONTAINER AT LEAST ONE INCH BELOW THE RIM.

- 1. ALL WAREWASHING SINKS TO HAVE 3-COMPARTMENTS THAT ARE A MINIMUM SIZE OF AT LEAST 18"X18"X12" DEEP (OR 16"X20"X12" DEEP) WITH A MINIMUM 18" DRAINBOARD AT EACH END. IF AGAINST A WALL, IT MUST HAVE AN 8" INTEGRAL BACKSPLASH. HOWEVER, IT MUST BE CAPABLE OF ACCOMMODATING THE LARGEST UTENSIL TO BE WASHED. A WAREWASHING MACHINE DOES NOT SUBSTITUTE FOR
- THE SINK REQUIREMENT 2. SINKS TO HAVE SPOUT(S) CAPABLE OF REACHING EACH COMPARTMENT.
- 3. FOOD PREP SINK COMPARTMENT(S) TO BE AT LEAST 18"X18"X12" DEEP (OR 16"X20"X12" DEEP) WITH A MINIMUM 18" DRAINBOARD. SEPARATE FOOD PREP SINKS TO BE PROVIDED FOR MEATS AND PRODUCE
- 4. THE 3 OR 4 COMPARTMENT BAR SINK TO BE AT LEAST 12"X12"X10" DEEP (OR 10"X14"X10" DEEP) WITH A MINIMUM 18" DRAINBOARD AT EACH END.
- SOAP AND PAPER TOWEL DISPENSERS. ALL LAVATORIES OR HAND SINKS WILL HAVE A COMBINATION FAUCET OR PREMIXING FAUCET CAPABLE OF SUPPLYING WATER TEMPERED TO 100°F. SELF-CLOSING OR METERED FAUCET TO PROVIDE AT LEAST 15 SECONDS OF WATER WITHOUT

5. EACH HANDWASHING SINK MUST HAVE PERMANENTLY MOUNTED SINGLE-SERVICE

7. FOR CLEANING FLOOR MATS. THE JANITORIAL SINK MUST BE A MINIMUM 24"X36" FLOOR-MOUNTED TYPE. MOPS SHALL BE PLACED IN A POSITION THAT ALLOWS

REACTIVATION.

- THEM TO AIR-DRY WITHOUT SOILING WALLS, EQUIPMENT, OR SUPPLIES. 8. THE JANITORIAL SINK FAUCET WILL HAVE A THREADED OUTER LIP FOR HOSE ATTACHMENT AND AN APPROVED BACKFLOW PREVENTION DEVICE. NO CHEMICAL DISPENSING SYSTEMS OR SHUTOFF VALVES TO BE ATTACHED TO MOP SINK FAUCET OUTLET (UNLESS A "SIDEKICK" PLUMBING DEVICE IS INSTALLED).
- ALL LIQUID WASTE SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO A FLOOR SINK. FLOOR SINKS ARE TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR
- SURFACE AND HAVE SUITABLE EASILY REMOVABLE SAFETY COVER GRATES. 2. FLOOR DRAINS SHALL BE INSTALLED IN FLOORS THAT ARE WATER-FLUSHED FOR CLEANING AND IN AREAS WHERE PRESSURE SPRAY METHODS FOR CLEANING EQUIPMENT ARE USED, IN RESTROOMS, JANITORIAL ROOMS, SCULLERIES, AND AT BARS WITH WAREWASHING. FLOOR SURFACES IN AREAS PURSUANT TO THIS SHALL BE SLOPED 1:50 TO THE FLOOR DRAINS.
- 3. FLOOR SINKS TO BE 50% EXPOSED WHEN NO ACCESS IS PROVIDED FOR CLEANING OR BE IN LINE WITH THE FRONT FACE OF ELEVATED FREESTANDING EQUIPMENT. 4. APPROVED BACKFLOW PREVENTION DEVICES SHALL BE PROPERLY INSTALLED
- UPSTREAM OF ANY POTENTIAL HAZARD BETWEEN THE POTABLE WATER SUPPLY AND A SOURCE OF CONTAMINATION. HOSES SHALL NOT BE ATTACHED TO A FAUCET OR HOSE BIB UNLESS AN APPROVED BACKFLOW PREVENTER IS PROVIDED.

. GREASE TRAP TO BE LOCATED OUTSIDE THE FOOD SERVICE ACTIVITY AREA, FLUSH

WITH THE FINISHED FLOOR WHEN INDOORS. LOCAL WASTEWATER DISTRICT TO BE

5. NO CONDENSATE OR WASTEWATER INCLUDING HVAC WILL DRAIN INTO THE JANITORIAL SINK. 6. A SEPARATE WET WASTE DUMP FIXTURE SHALL BE PROVIDED FOR DISPOSAL OF DRINK OR WASTE ICE OR COFFEE WASTE.

CONTACTED FOR GREASE REMOVAL REQUIREMENTS.

1. THE HOT WATER HEATER WILL BE A COMMERCIAL TYPE CAPABLE OF CONSTANTLY SUPPLYING HOT WATER AT A TEMPERATURE OF 120°F TO ALL SINKS. IN SIZING THE

WATER HEATER, THE PEAK HOURLY DEMAND FOR ALL SINKS, ETC., ARE ADDED

- TOGETHER TO DETERMINE THE MINIMUM REQUIRED RECOVERY RATE. 2. WATER SUPPLY TO CARBONATORS SHALL BE PROTECTED BY AN APPROVED REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER. THE RELIEF VALVE SHALL DRAIN INDIRECTLY TO SEWER WITH A LEGAL AIR GAP.
- 1. STATE ON PLANS WHETHER THE FACILITY IS SERVED BY A MUNICIPAL WATER
- SYSTEM OR BY WELL WATER. 2. STATE ON PLANS WHETHER THE FACILITY IS SERVED BY A MUNICIPAL SEWER SYSTEM OR BY A SUB-SURFACE SEWAGE DISPOSAL SYSTEM (I.E. SEPTIC TANKS). 3. ALL PLUMBING, ELECTRICAL AND GAS LINES SHALL BE CONCEALED WITHIN THE
- BUILDING STRUCTURE TO AS GREAT AN EXTENT AS POSSIBLE. ALL EXPOSED CONDUITS, PLUMBING, ETC. SHALL BE INSTALLED AT LEAST 6" OFF FLOOR AND 3/4" FROM WALL USING STANDOFF BRACKETS.
- 4. CONDUITS, PLUMBING OR PIPING CANNOT BE INSTALLED ACROSS ANY AISLE WAY, TRAFFIC AREA OR DOOR OPENING. 5. MULTIPLE RUNS OR CLUSTERS OF CONDUIT OR PIPELINES SHALL BE FURRED
- DOWN OR ENCASED IN AN APPROVED SEALED ENCLOSURE. 6. ALL SEAMS, GAPS, AND OPENINGS TO BE PROPERLY SEALED.
- 1. ADEQUATE VENTILATION IS TO BE PROVIDED TO ALL TOILET ROOMS, JANITORIAL CLOSETS WITH MOP SINKS, AND INDOOR TRASH ROOMS AND IN DRESSING,
- 1. A MINIMUM OF 10 FOOT-CANDLES OF LIGHT MEASURED 30" OFF FLOOR IS PROVIDED IN WALK-IN REFRIGERATED STORAGE AND DRY STORAGE ROOMS AND AT LEAST 20 FOOT-CANDLES IS PROVIDED WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE, WHERE FRESH PRODUCE OR PREPACKAGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION; INSIDE EQUIPMENT SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS; IN AREAS USED FOR HANDWASHING, WAREWASHING, EQUIPMENT AND UTENSILS STORAGE, AND IN TOILET ROOMS.
- 2. A MINIMUM OF 50 FOOT-CANDLES OF LIGHT MEASURED 30" OFF FLOOR IS PROVIDED WHEN WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SLIVERS, GRINDERS, OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR AND IN ALL AREAS DURING PERIODS OF CLEANING.
- 3. SHATTERSHIELDS FOR ALL LIGHTS ABOVE FOOD PREPARATION, WORK, AND STORAGE AREAS WILL BE PROVIDED.
- 4 ALL FLUORESCENT FIXTURES WITH DOUBLE-ENDED LAMPS SHALL BE EQUIPPED WITH DISCONNECT MEANS PER 410.73(G) (§CEC 2013)
- 1. FLOORING UNDER EQUIPMENT SHALL BE COMPLETELY SMOOTH FOR
- CLEANABILITY. FLOOR SURFACES THAT CONTAIN LIGHT TEXTURE SURFACES. ANTI-SLIP AGENTS OR ABRASIVE SURFACES ARE LIMITED TO WALKWAYS ONLY.
- 2. THE PAINT USED ON WALLS AND CEILINGS OF ALL KITCHEN, FOOD PREPARATION, WORK, AND STORAGE AREAS WILL BE A GLOSS OR SEMI-GLOSS ENAMEL. FINISH
- MATERIAL SHALL BE A LIGHT COLOR IN FOOD PREP AREAS FOR EASY CLEANING. 3. PRIOR TO INSTALLATION. SAMPLES OF FINISHES MAY BE SUBMITTED TO
- ENVIRONMENTAL HEALTH FOR APPROVAL AS NEEDED. 4. ANY OPENABLE WINDOWS IN DINING AREA ONLY, VENT OPENING OR OTHER SIMILAR OPENINGS MUST BE PROVIDED WITH TIGHT FITTING SCREENS OF MINIMUM 16-MESH TO THE INCH. WINDOWS TO BE FIXED AT FOOD PREP, UTENSIL-WASHING,
- OPEN FOOD AND UTENSIL STORAGE AREAS. 5. PASS-THROUGH WINDOWS MUST BE PROVIDED WITH TIGHT FITTING SCREENS ON MINIMUM 16-MESH TO THE INCH OR AIR CURTAIN AND MULTIPLE PASS-THROUGH WINDOWS ARE SPACED A MINIMUM OF 18" APART, MEASURED ON EDGE.
- 7. BI-FOLD, FRENCH, ACCORDION STYLE AND ROLL-UP DOORS CANNOT OPEN INTO

6. ALL EXTERIOR DOORS OPEN OUTWARD AND ARE SELF-CLOSING AND TIGHT

- THE FOOD PREP, UTENSIL WASHING OR UNPACKAGED FOOD SERVICE AREAS. 8. TOILET ROOM AND DRESSING ROOM DOORS MUST BE SELF-CLOSING, TIGHT
- 9. 9.DELIVERY DOORS TO HAVE AIR CURTAIN FANS THAT SPAN THE WIDTH OVER THE DOOR. THE FAN MUST ACTIVATE VIA A MICROSWITCH PROVIDING A MINIMUM VELOCITY OF 1600 FPM MEASURED 3 FEET ABOVE THE GROUND.

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ering Consultant:

Project Owner:

Project Status

09/05/18

REASON

PRINCIPAL IN CHARGE

PROJECT MANAGER:

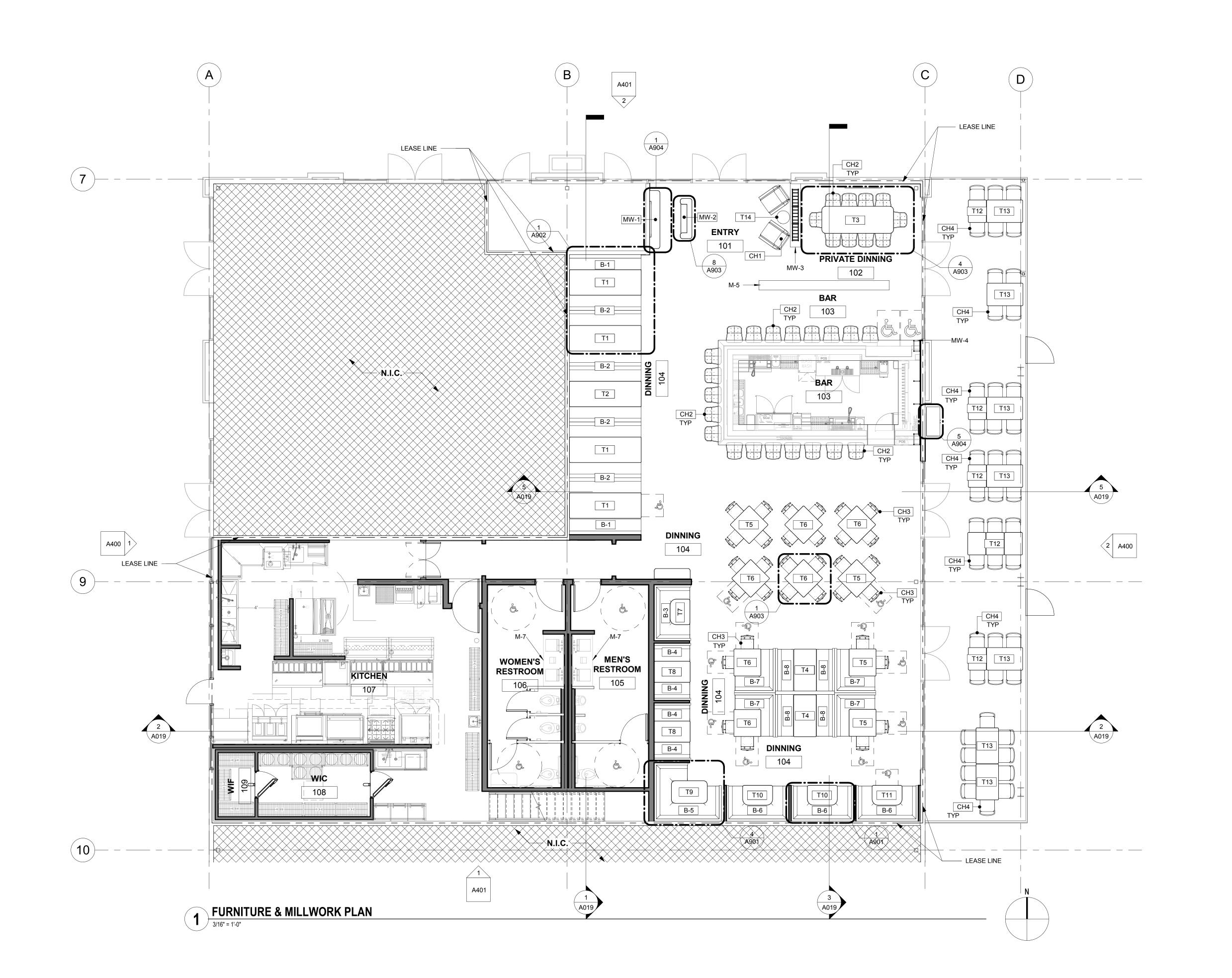
THE 908

LBX - LONG BEACH EXCHANGE 1 3850 WORSHAM BOULEVARD

SUITE 410, BUILDING (TYP)

**Project Number:** 153-001-18 Sheet Title:

**GENERAL NOTES** 



#### **GENERAL NOTES**

- GC TO SCRIBE BASE, STAND & RUNNING TRIM TO FIXTURES AFTER INSTALLATION WHERE APPLIES. ALL FURNITURE (TABLE TOPS, BASES CHAIRS AND STOOLS) ARE PROVIDED BY OWNER / OWNERS VENDOR. GC TO PROVIDE RECEIVING, ASSEMBLING AND INSTALLATION OF FURNITURE INCLUDING INSTALLATION OF TABLE BASES, TABLE TOPS, CHAIRS AND BOOTHS.
- ALL FURNITURE IS PROVIDED BY OWNER OR OWNERS VENDOR. G.C. TO SCHEDULE DELIVERY AND PROVIDE UTILITY CONNECTIONS AS REQUIRED.
- GC TO PROVIDE "DUST FREE" CLEANING OF THE ENTIRE RESTAURANT, BY A PROFESSIONAL CLEANING COMPANY, FOLLOWING FURNITURE INSTALLATION.
- GC TO PROVIDE CONSTRUCTION DUMPSTER UNTIL AFTER INSTALLATION OF FURNITURE AS REQUIRED. COORDINATE W/ LL.
- GC MUST ORDER ALL FURNITURE TEMPLATES AND INSTALL PRIOR TO INSTALLATION OF ANY GAS/ELECTRICAL SERVICES FROM REQUIRED VENDOR.
- 30"x48" CLEAR FLOOR SPACE FOR ACCESSIBLE SEATING.

#### ACCESSIBLE SEATING

CAPACITY OF SEATING IN ASSEMBLY AREAS	MIN. REQUIRED WHEELCHAIR SPACES
4 TO 25	1
26 TO 50	2
51 TO 100	4
101 TO 300	5
301 TO 500	6

[POS] = POS STATION ADA = ADA SEATING OLS = OCCUPANCY LOAD SIGN

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neering Consultant:

Geoffrey B. Lim

SEATING TYPE	TOTAL SEATS	HC SEATS REQUIRED (5% OF TOTAL)	HC SEATS PROVIDED
INTERIOR			
FIXED DINING SEATS	53	3	1
LOOSE DINING SEATS	36	2	3
FIXED BAR SEATS	40	2	0
LOOSE BAR SEATS	22	2	2
EXTERIOR	43		

## SEATING CAPACITY G.C. TO PROVIDE VISIBLE SIGN STATING THE FOLLOWING: SIGN TO BE A MINIUM SIZE OF 8 1/2" x 11" MAXIMUM SEATING TEXT HEIGHT 3/8" -

**CAPACITY** 

**TABLES & CHAIRS** TEXT HEIGHT 3/8" LOCATION: **ADDRESS** 

						MIL	LWORK	& FURNITURE SCHEDULE				LEGEN
MARK	DESCRIPTION	QTY	MANUFACTURER	MODEL	PROVIDED BY	INSTALLED BY	UPHOLSTERY	TABLE BASE	TABLE TOP	TABLE BAN		
		9										
B-1	SINGLE SIDED BOOTH	2	MILLWORKER	CUSTOM - SEE DETAILS	MILLWORKER	MILLWORKER	SEE DETAILS					
B-2	DOUBLE SIDED BOOTH	4	MILLWORKER	CUSTOM - SEE DETAILS	MILLWORKER	MILLWORKER	SEE DETAILS					
B-3	U - BOOTH	1	MILLWORKER	CUSTOM - SEE DETAILS		MILLWORKER	SEE DETAILS					
B-4	SINGLE SIDED BOOTH	4	MILLWORKER	CUSTOM - SEE DETAILS		MILLWORKER	SEE DETAILS					T3
B-5	U - BOOTH	1	MILLWORKER	CUSTOM - SEE DETAILS	_	MILLWORKER	SEE DETAILS					13
B-6	U - BOOTH	3	MILLWORKER	CUSTOM - SEE DETAILS		MILLWORKER	SEE DETAILS					
B-7	U - BOOTH	4	MILLWORKER	CUSTOM - SEE DETAILS	MILLWORKER	MILLWORKER	SEE DETAILS					
B-8	SINGLE SIDED BOOTH	4	MILLWORKER	CUSTOM - SEE DETAILS	MILLWORKER	MILLWORKER	SEE DETAILS					
CH1	LOUNGE CHAIR	2	FURNITURE VENDER		FURNITURE VENDER	FURNITURE VENDER						
CH2	BARSTOOL	30	FURNITURE VENDER		FURNITURE VENDER	FURNITURE VENDER						
CH3	DINING CHAIR	32	FURNITURE VENDER	TBD	FURNITURE VENDER	FURNITURE VENDER						
CH4	PATIO CHAIR	44	FURNITURE VENDER	TBD	FURNITURE VENDER	FURNITURE VENDER						
MW-1	WALL CREDENZA	1	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A					
MW-2	HOSTESS STAND	1	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A					
T1	96" x 34" x 30"h INTERIOR TABLE	4	MILLWORKER		MILLWORKER	MILLWORKER	N/A	MATTE BLACK CANTALIEVER @ WALL BOLT DOWN & POST			POST LOCATION TO BE PER MINIMUM ADA CLEARANCES. MILLWORKER/FUNRITURE VENDER TO COORDINATE W/ ARCHITECT.	
T2	96" x 34" x 30"h INTERIOR TABLE	1	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A	MATTE BLACK CANTALIEVER @ WALL BOLT DOWN & POST				
T3	96" x 36" x 42"h INTERIOR TABLE	1	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A	MATTE BLACK BOLT DOWN BASE (2 EACH)				
T4	56" x 30" x 30"h INTERIOR TABLE	2	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A					
T5	36" x 36" x 30"h FREESTANDING INTERIOR TABLE - ADA	4	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A		WD-1	MTL-1	TOP TO INCLUDE FLIP UP PORTIONS FOR ADA COMPLIANCE; MILLWORKER TO COORDINATE W/ ARCHITECT FOR FINAL APPROVAL.	
T6	36" x 36" x 30"h FREESTANDING INTERIOR TABLE	6	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A	MATTE BLACK	WD-1	MTL-1		
T7	LARGE PARTY BOOTH TABLES - 26" x 82" W/ 10" RADIUS CORNERS	1	VENDER	CUSTOM	MILLWORKER	MILLWORKER	N/A		PL-1	MTL-1		
T8	48" x 30" x 30"h INTERIOR TABLE	2	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A	MATTE BLACK CANTALIEVER @ WALL BOLT DOWN	PL-1	MTL-1		
Т9	48" x 30" x 30"h FREESTANDING INTERIOR TABLE PATIO	1	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A	MATTE BLACK; BOLT DOWN POST	PL-1	MTL-1		
T10	48" x 30" x 30"h FREESTANDING INTERIOR TABLE ADA	2	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A	MATTE BLACK; BOLT DOWN POST	PL-1	MTL-1		
T11	48" x 30" x 30"h FREESTANDING INTERIOR TABLE ADA	1	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A	MATTE BLACK; BOLT DOWN POST	PL-1	MTL-1	TOP TO INCLUDE FLIP UP PORTIONS FOR ADA COMPLIANCE; MILLWORKER TO COORDINATE W/ ARCHITECT FOR FINAL APPROVAL.	
T12	24" x 30" x 30"h FREESTANDING INTERIOR TABLE ADA	7	MILLWORKER	CUSTOM	MILLWORKER	MILLWORKER	N/A					
T13	48" x 30" x 30"h FREESTANDING INTERIOR TABLE PATIO	7	MILLWORKER	CUSTOM			N/A		TL-4			
T14	COFFEE TABLE	1	MILLWORKER	CUSTOM				MATTE BLACK; BOLT DOWN POST	PL-1	MTL-1		

GEND - FIXTURE PLAN

FURNISHING TAG- REFER TO MILLWORK AND FURNISHING SCHEDULE

AREA NOT IN SCOPE, UNO

ADA ACCESSIBLE DINING SURFACE

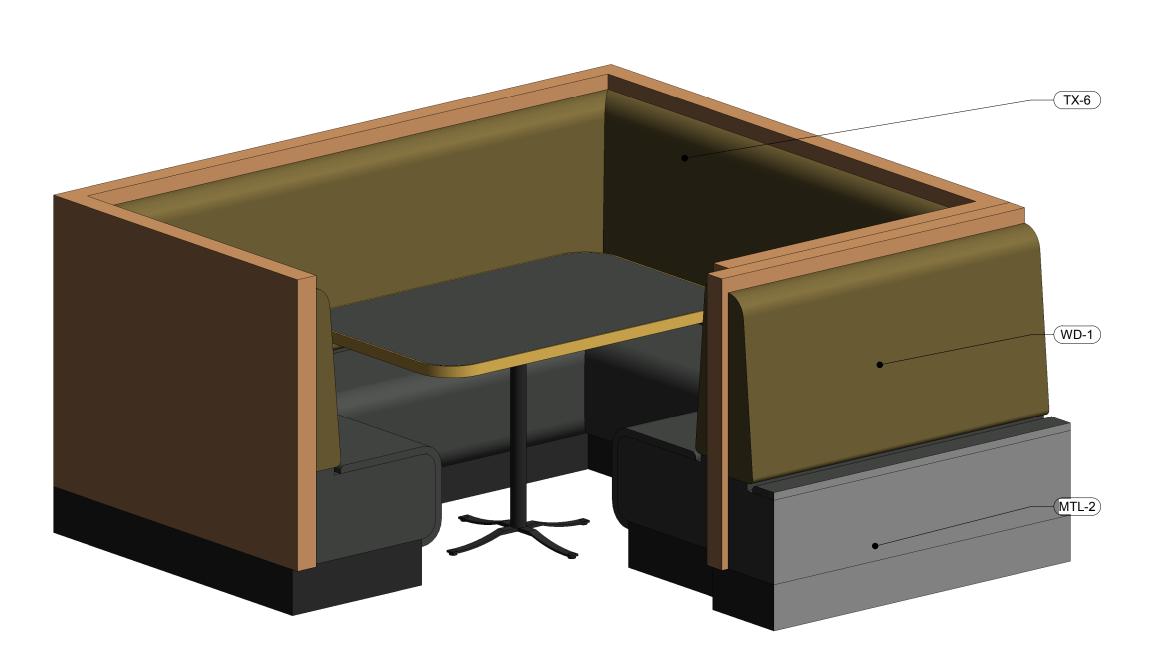
PROJECT MANAGER: THE 908 LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP) 153-001-18

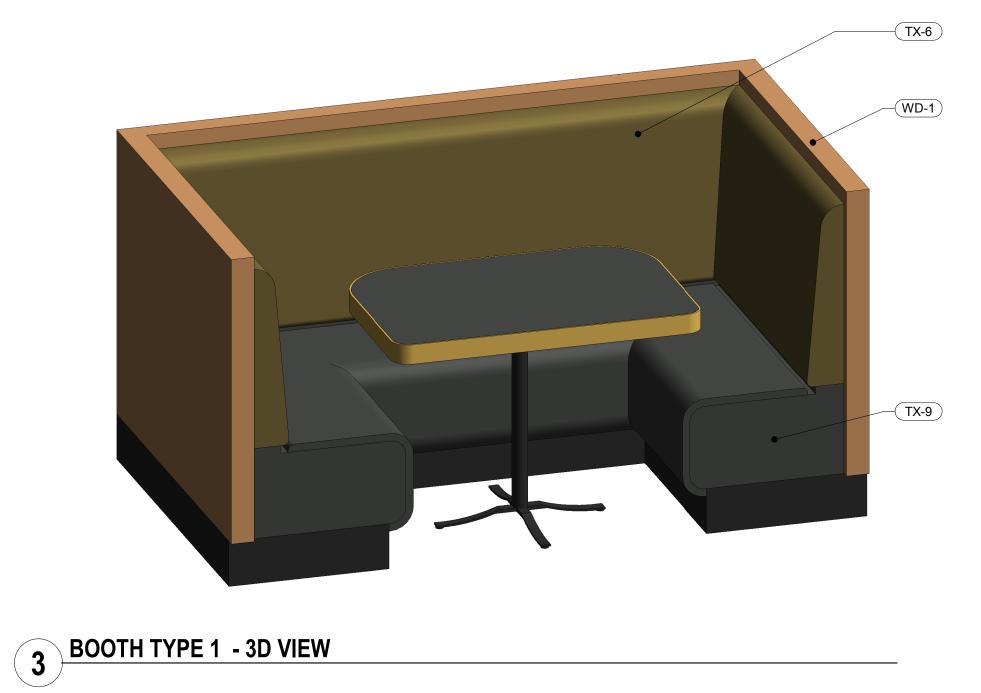
Project Status

REASON

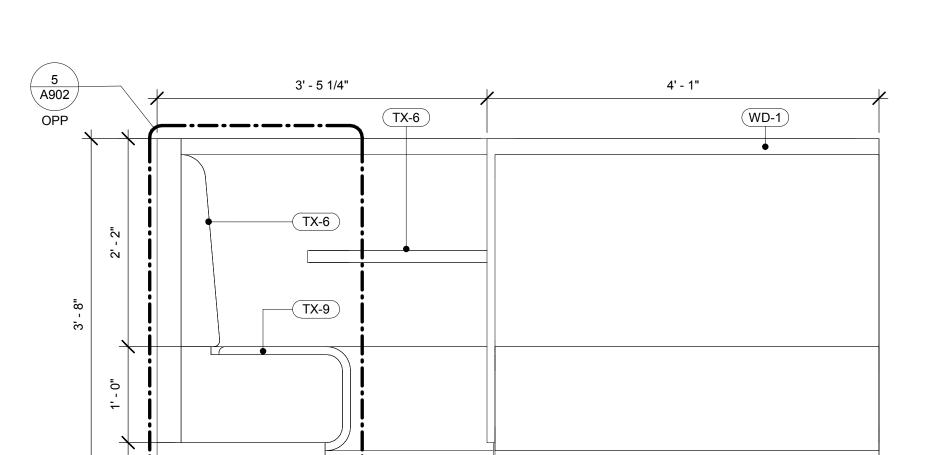
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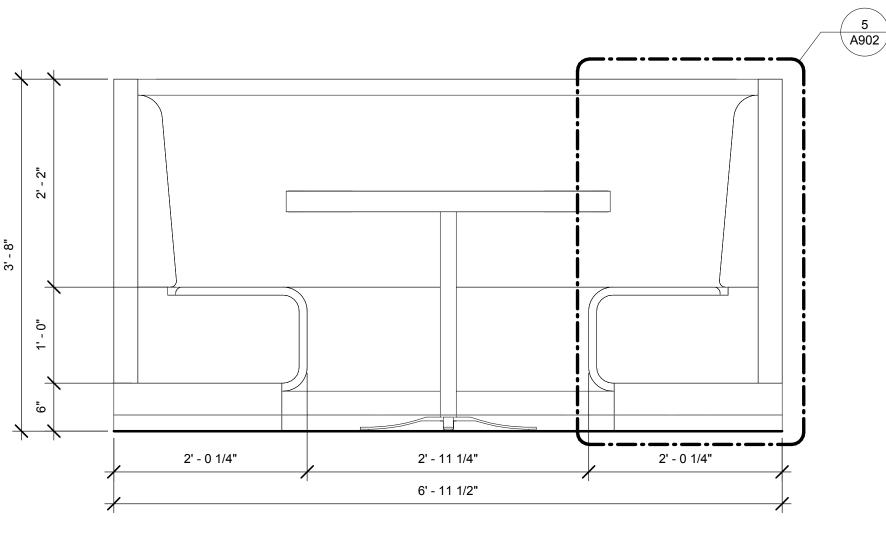
FURNITURE & MILLWORK PLAN



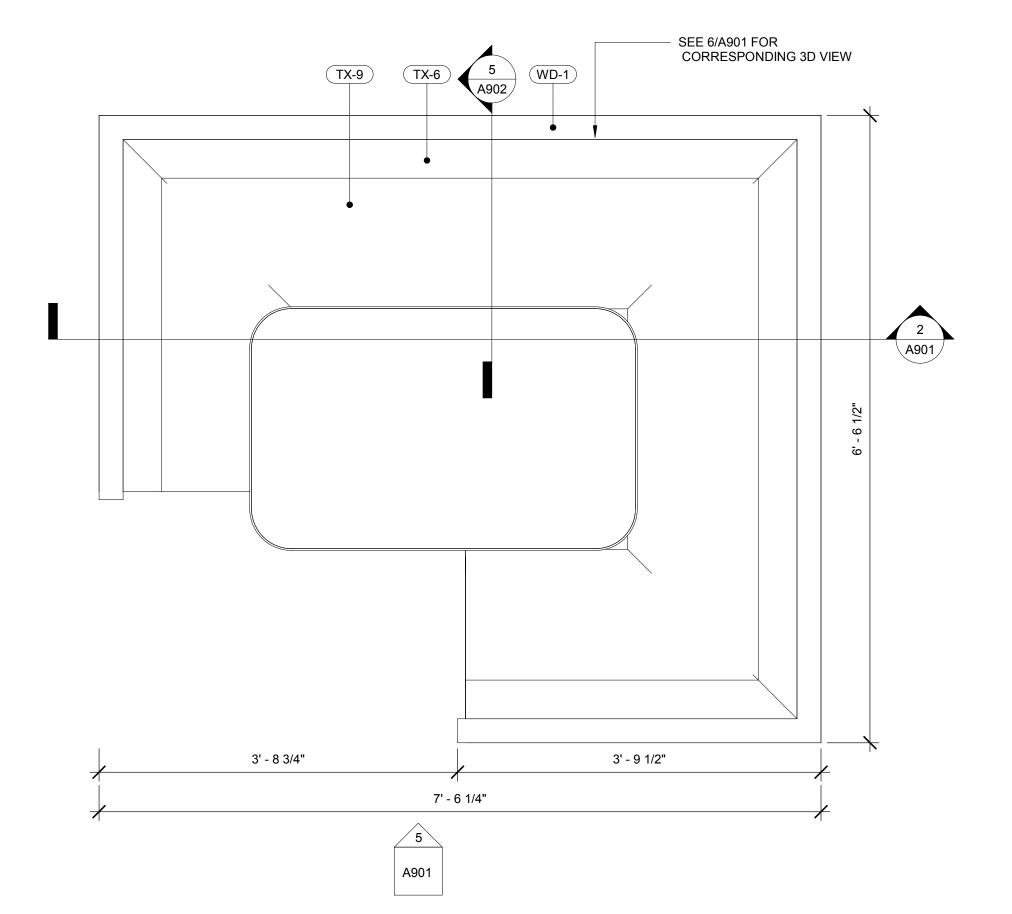


6 BOOTH TYPE 2 - 3D VIEW



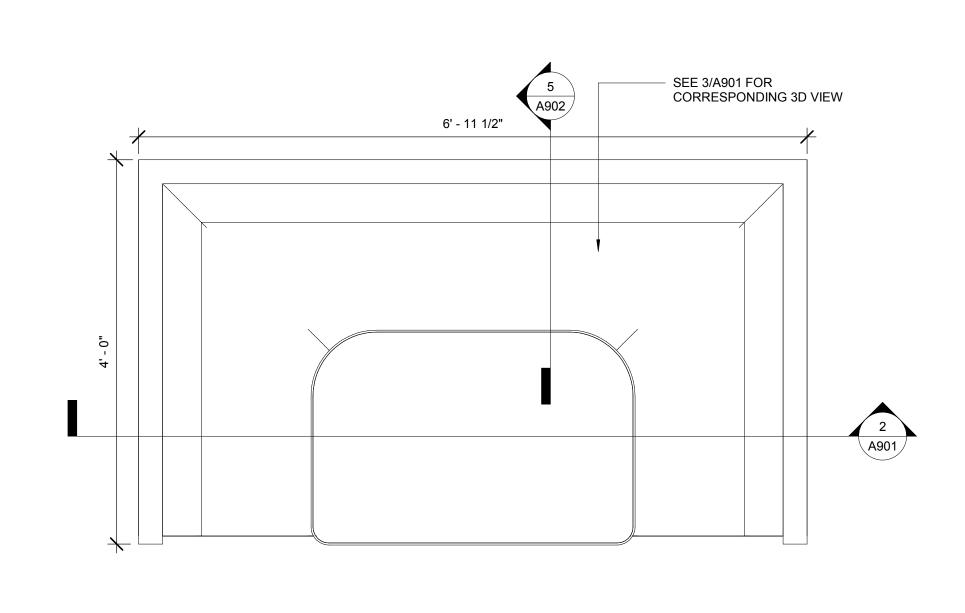


**BOOTH TYPE 2 - ELEVATION**1" = 1'-0"



BOOTH TYPE 1 - ELEVATION

1" = 1'-0"



BOOTH TYPE 2 - PLAN

1" = 1'-0"

BOOTH TYPE 1 - PLAN

1" = 1'-0"

THE 908

LBX - LONG BEACH
EXCHANGE
3850 WORSHAM
BOULEVARD
SUITE 410, BUILDING (TYP)
Project Number:
153-001-18

Sheet Title:
FURNITURE & MILLWORK
DETAILS

PROJECT MANAGER:

Sheet Number:

A901

ARCHITECTURE

Innovation and Design in Architecture,
Inc.

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Long Beach. CA 90802
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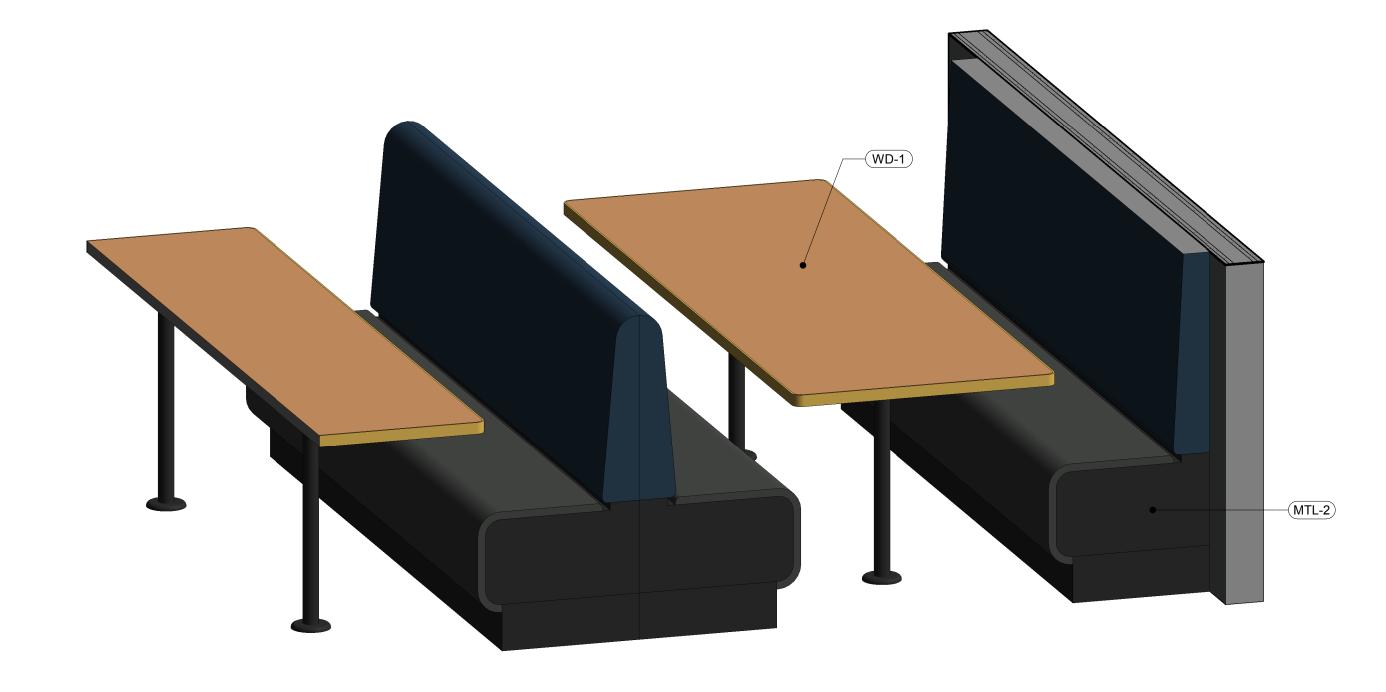
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Project Status

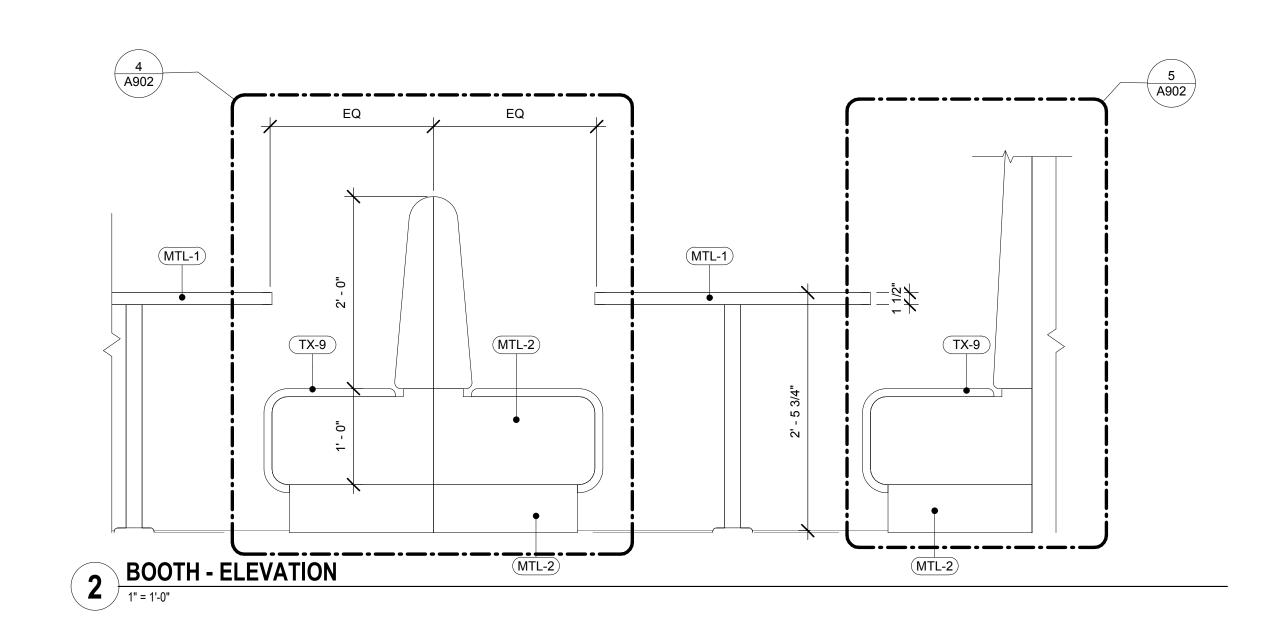
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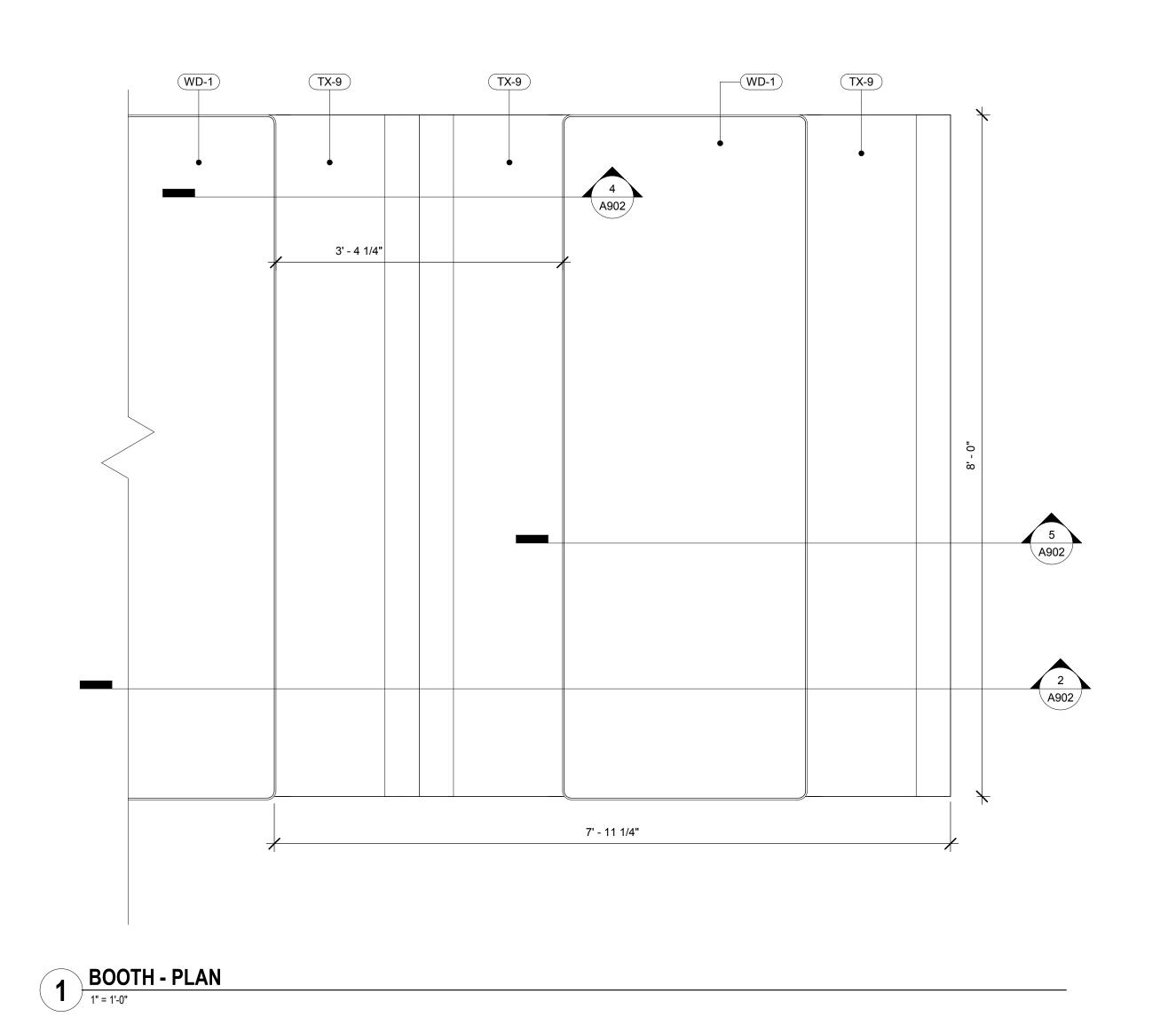
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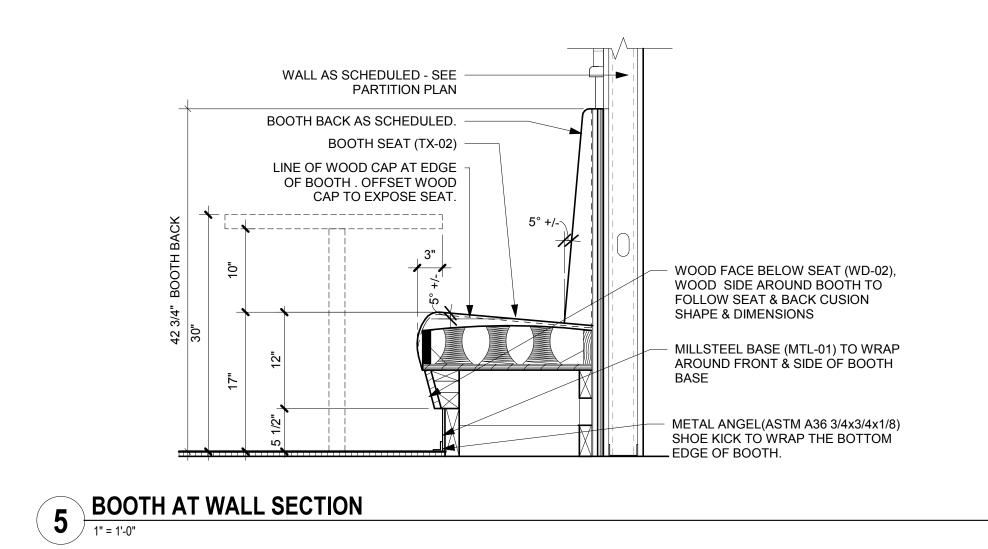
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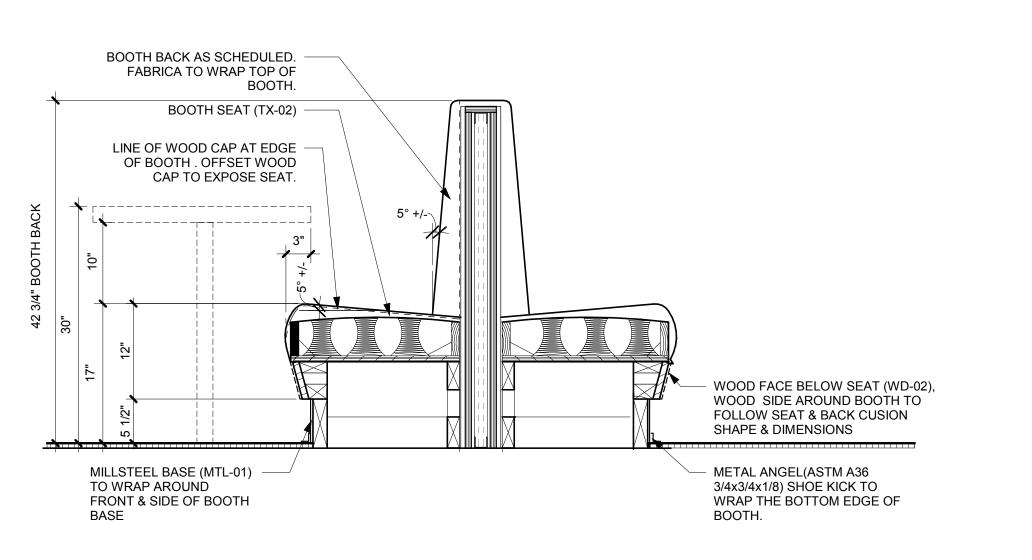


3 BOOTH - 3D VIEW



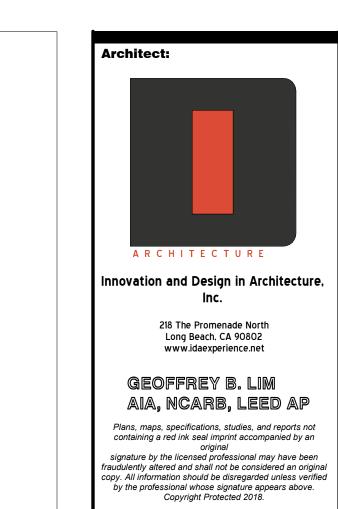






BOOTH AT MID SECTION

1" = 1'-0"



Engineering Consultant:

Oject Owner:

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Issue For:
Project Status
Issue Date:
09/05/18
Revisions:
NO. REASON DA

INCIPAL IN CHARGE:

PRINCIPAL IN CHARGE:
M.WALSH
PROJECT MANAGER:
MH

DRAWN BY:
STAFF
Project Address:

THE 908

LBX - LONG BEACH
EXCHANGE
3850 WORSHAM
BOULEVARD
SUITE 410, BUILDING (TYP)

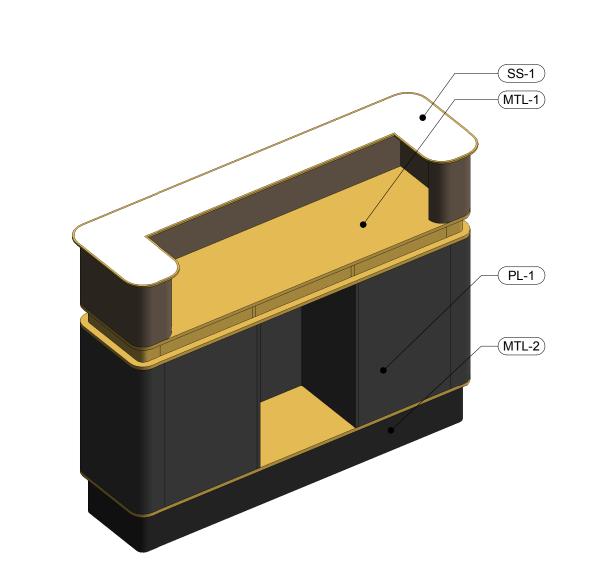
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FURNITURE & MILLWORK DETAILS

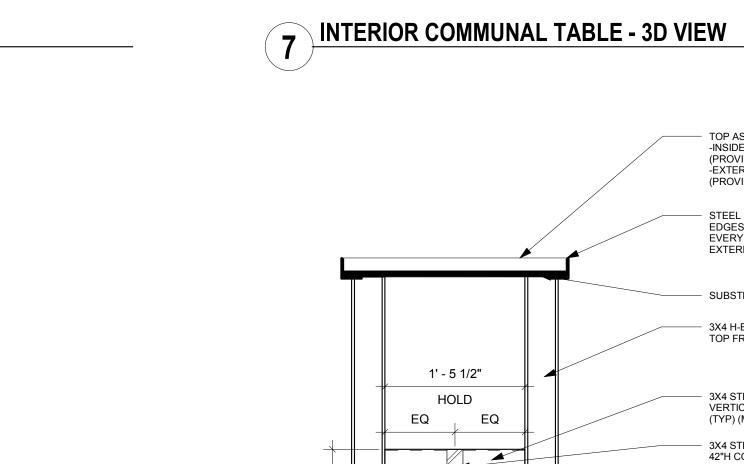
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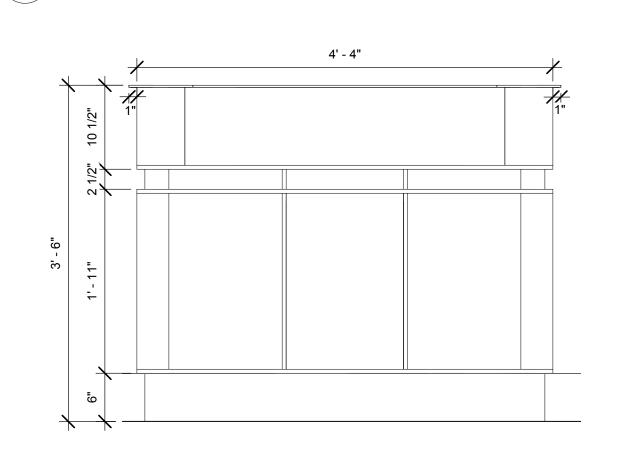


11 HOST STAND - 3D VIEW

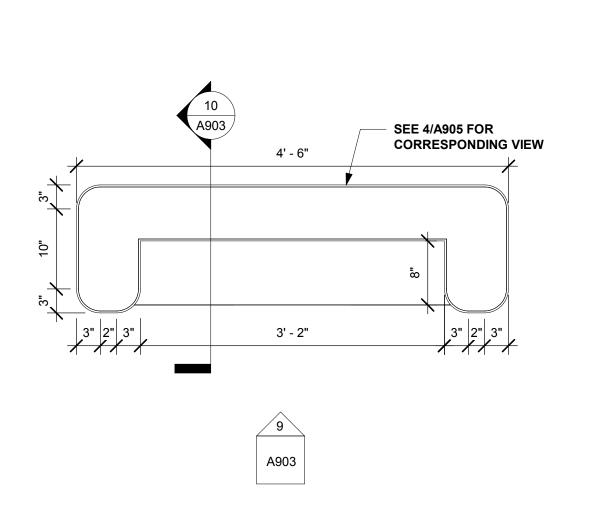


HOST STAND - SECTION

1" = 1'-0"

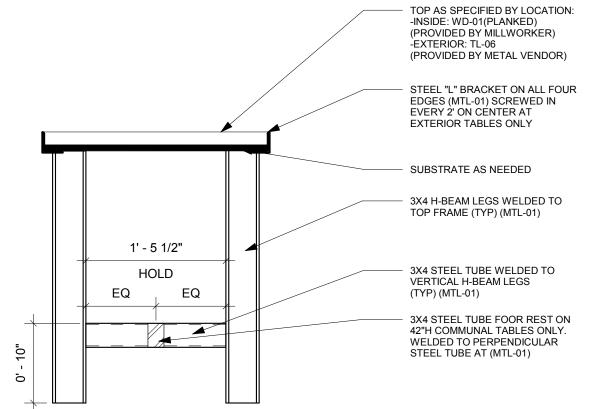


9 HOST STAND - ELEVATION
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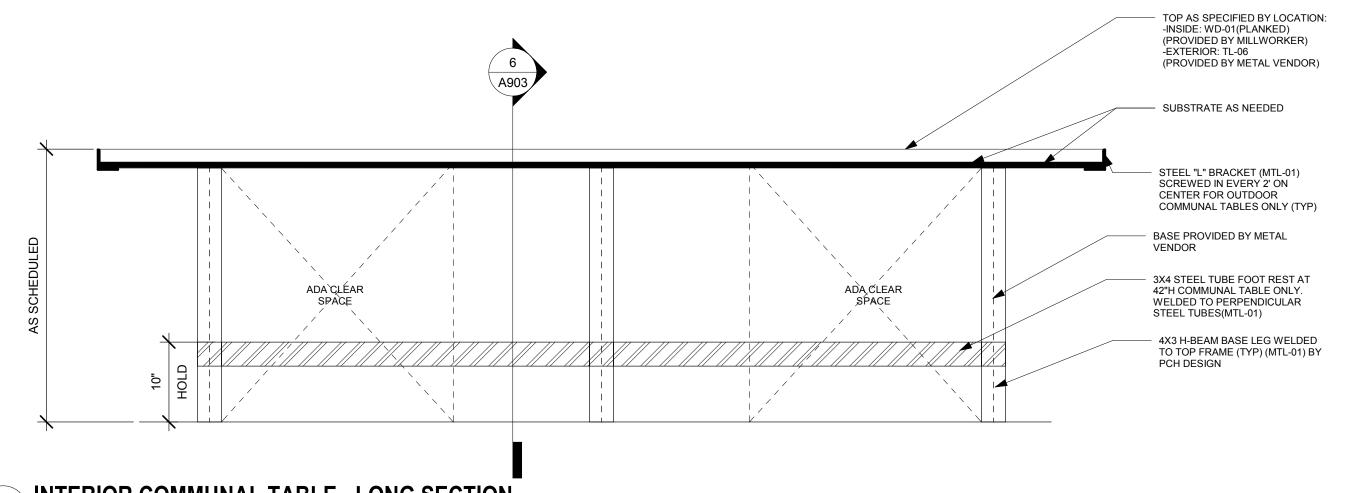


8 HOST STAND - PLAN
1" = 1'-0"

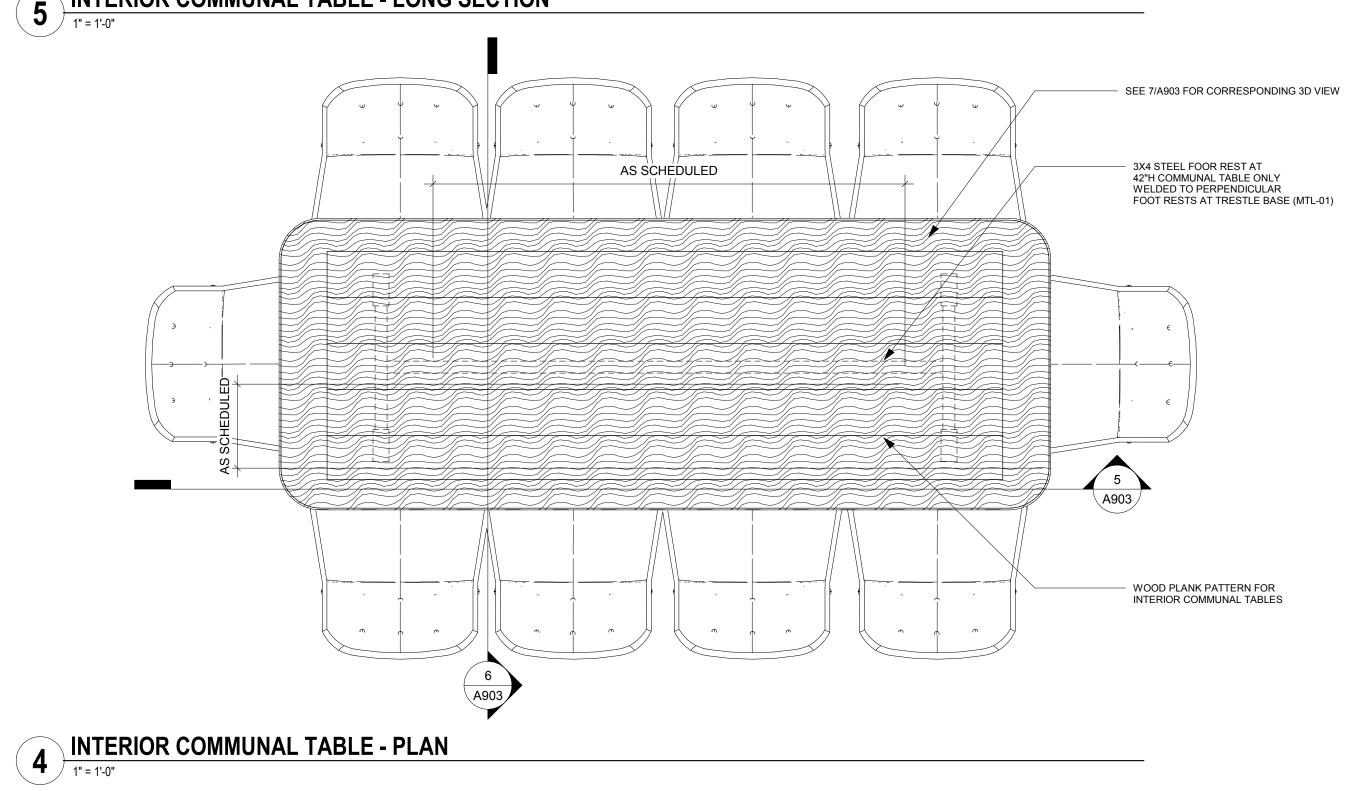




6 INTERIOR COMMUNAL TABLE - SHORT SECTION

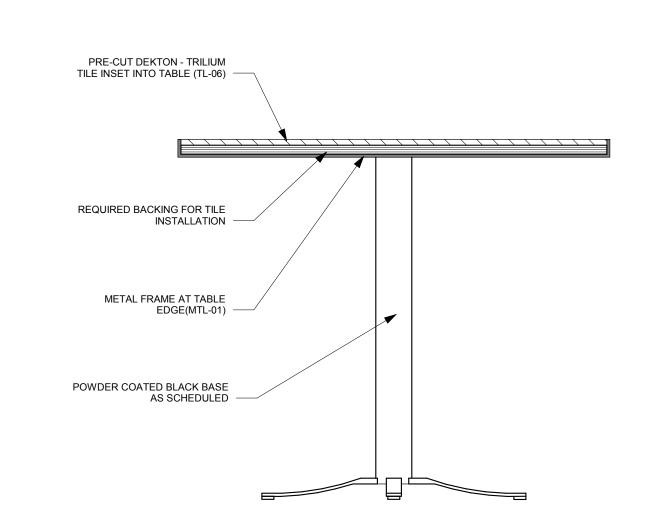


5 INTERIOR COMMUNAL TABLE - LONG SECTION 1" = 1'-0"

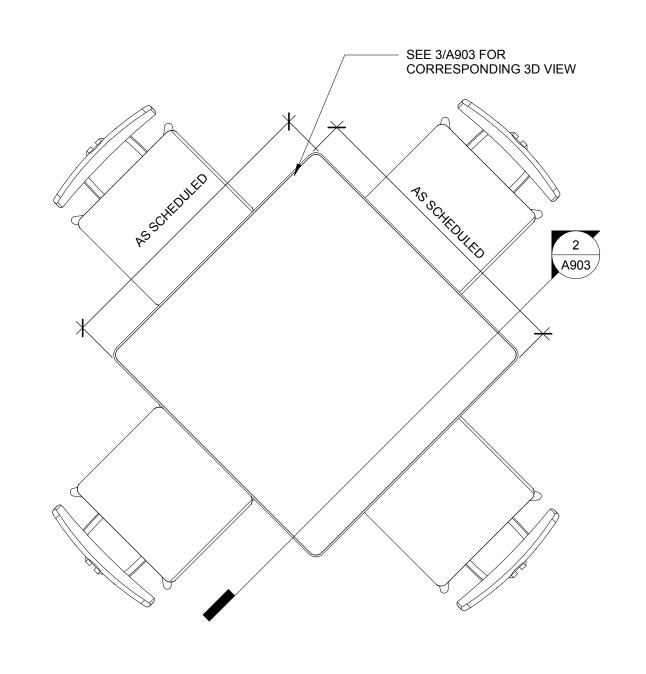




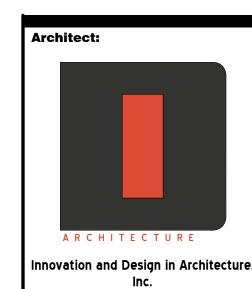
FREESTANDING INTERIOR TABLE - 3D VIEW



FREESTANDING INTERIOR TABLE - SECTION



1 FREESTANDING INTERIOR TABLE - PLAN
1" = 1'-0"



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Project Status 09/05/18

REASON

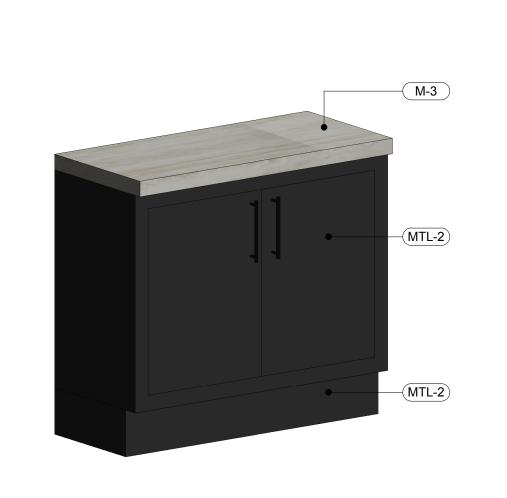
PRINCIPAL IN CHARGE: M.WALSH PROJECT MANAGER:

THE 908 LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP)

153-001-18

FURNITURE & MILLWORK DETAILS

A903



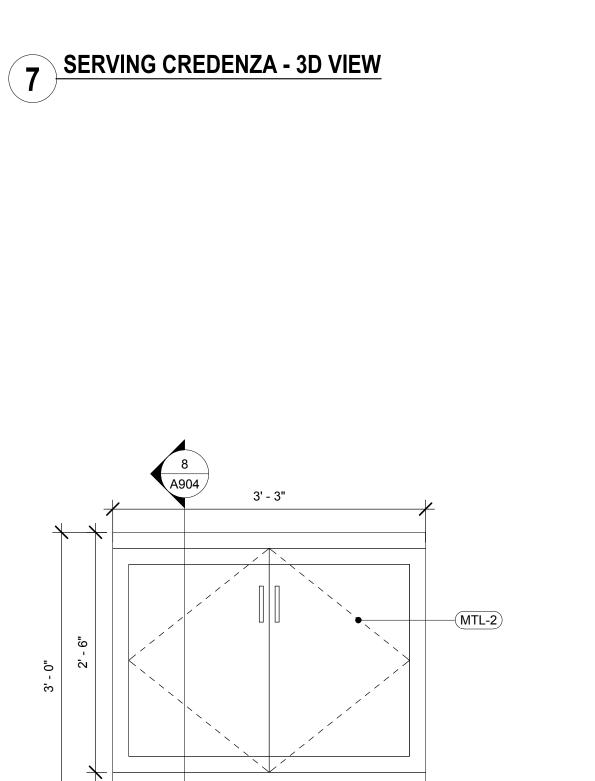
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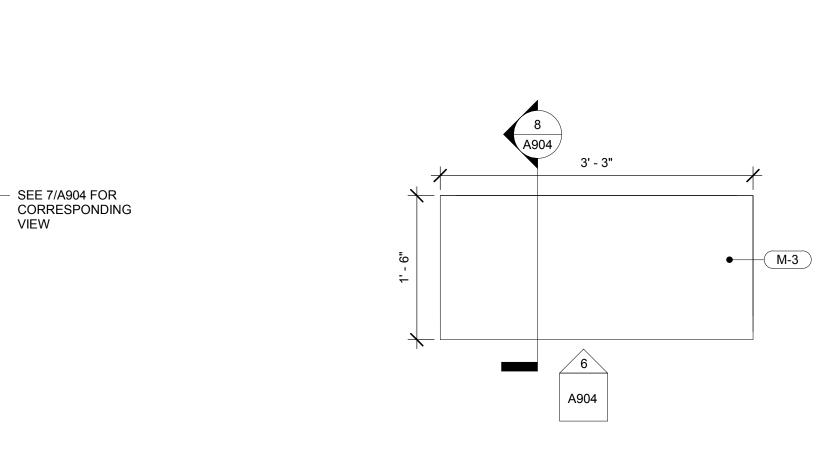
9 SERVING CREDENZA - REAR ELEVATION
1" = 1'-0"

1' - 3"

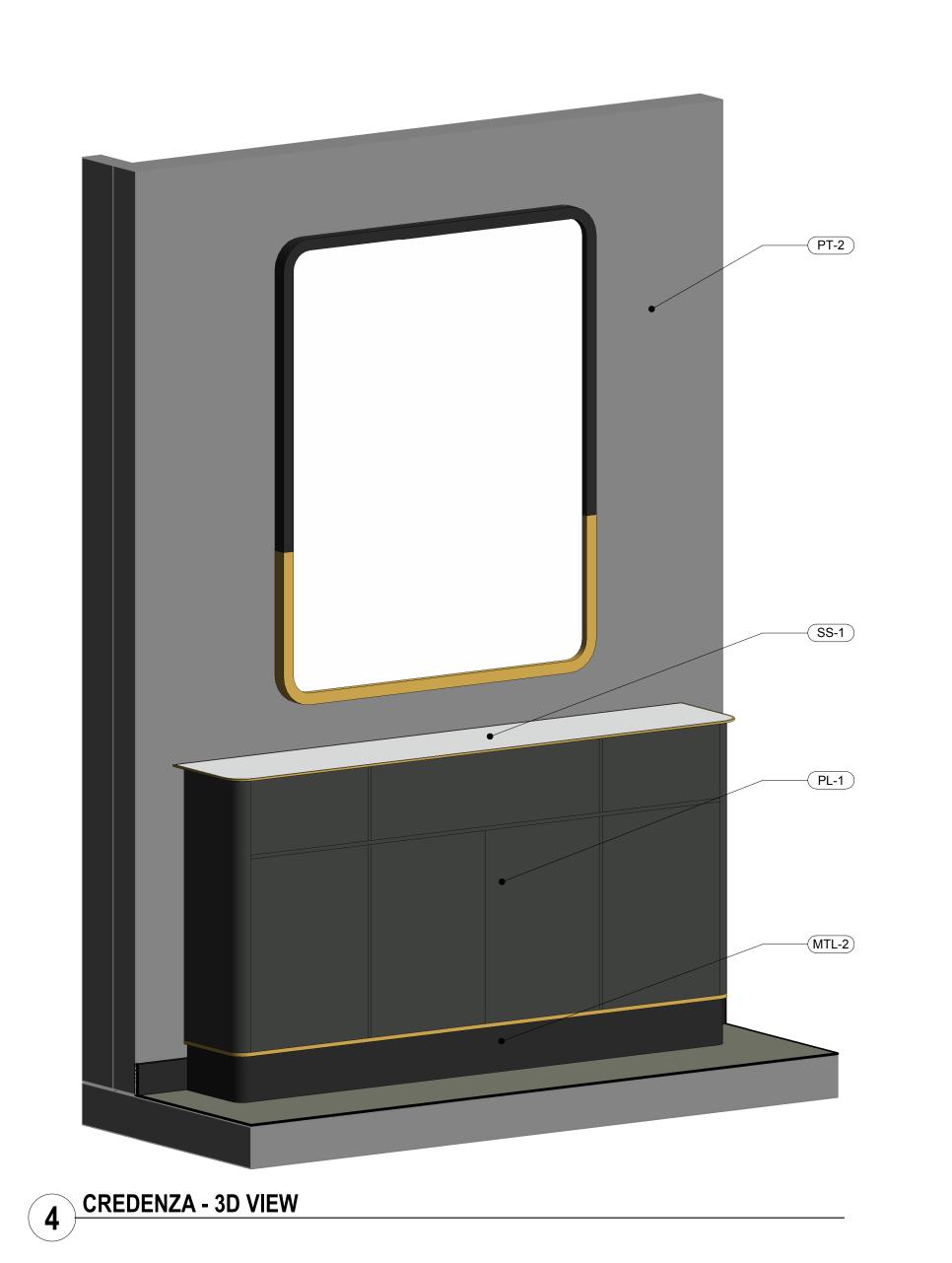
8 SERVING CREDENZA - SECTION
1" = 1'-0"

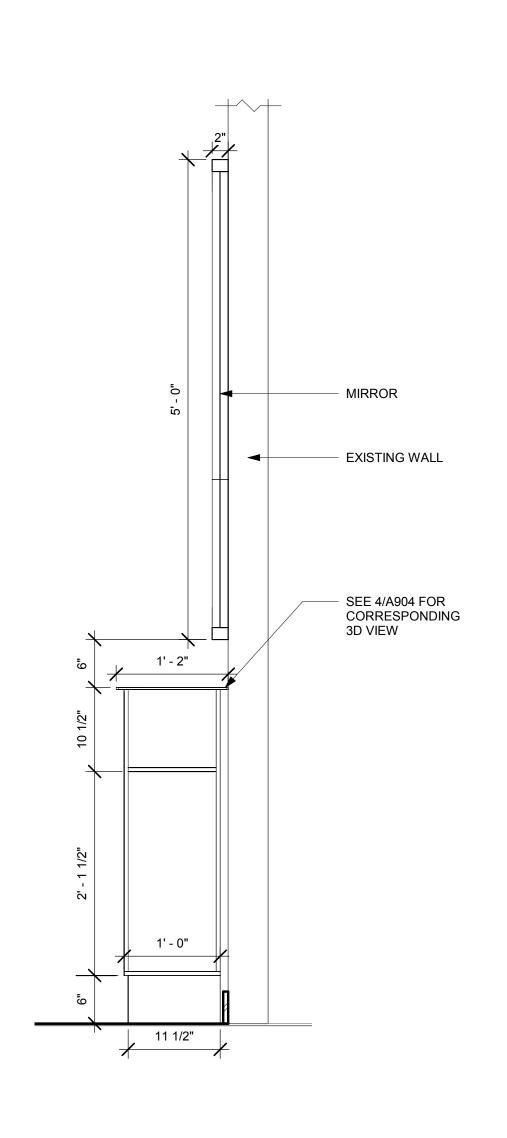


6 SERVING CREDENZA - FRONT ELEVATION
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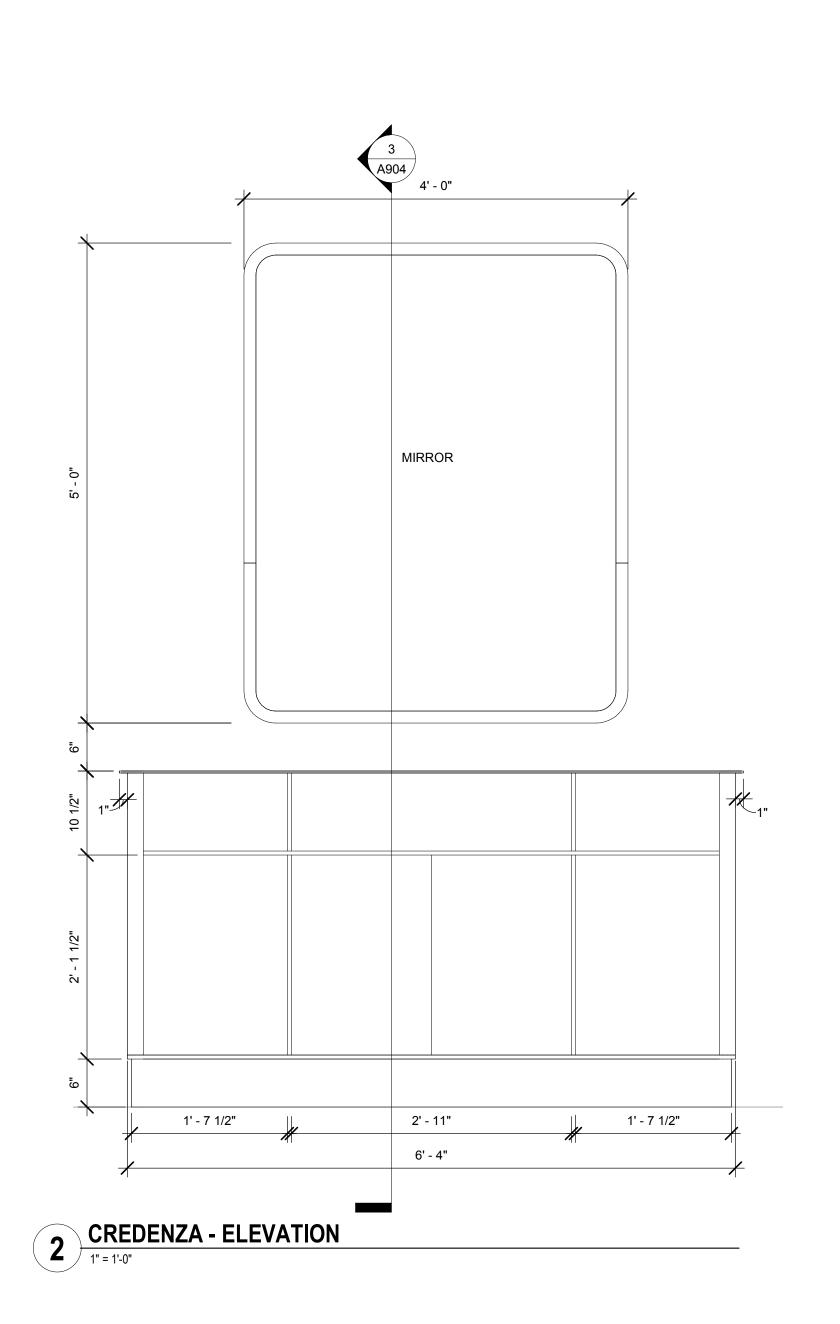


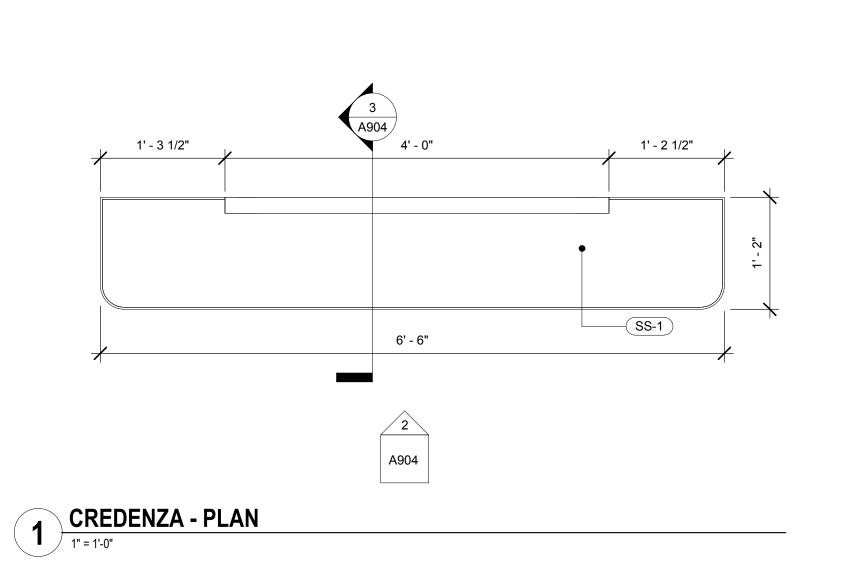
5 SERVING CREDENZA - PLAN
1" = 1'-0"





3 CREDENZA - SECTION
1" = 1'-0"





Issue Date: 09/05/18 REASON PRINCIPAL IN CHARGE: PROJECT MANAGER: THE 908

LBX - LONG BEACH
EXCHANGE
3850 WORSHAM
BOULEVARD
SUITE 410, BUILDING (TYP)
Project Number: 153-001-18 Sheet Title:
FURNITURE & MILLWORK
DETAILS A904

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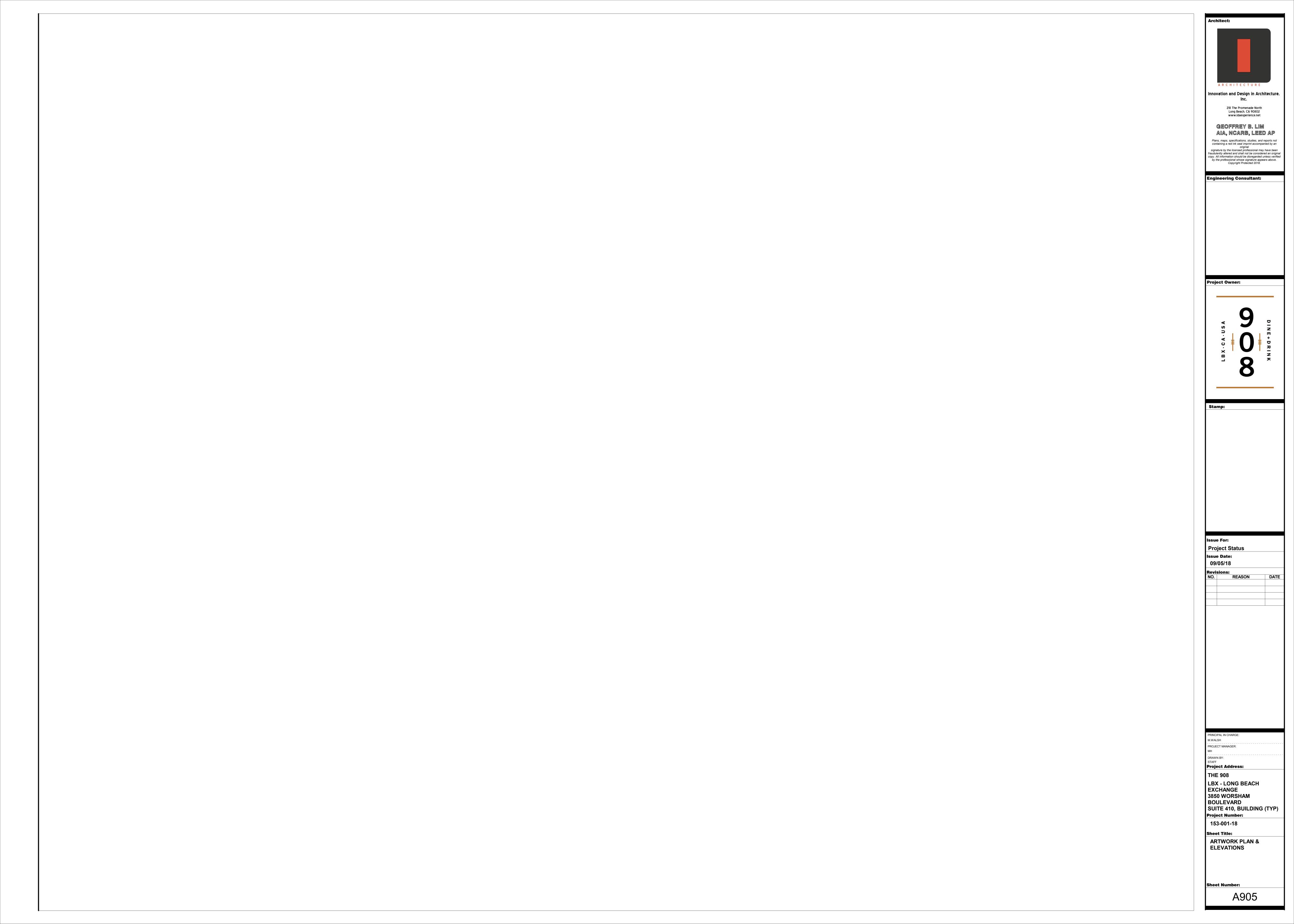
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ingineering Consultant:

Geoffrey B. Lim



City of Long Beach

Information Bulletin BU-042 • Construction Activities – Industrial/Commercial Best Management Practices

**SC-14 EMPLOYEE TRAINING** 

Purpose: Employee training is a method by which to implement BMPs and their maintenance and to integrate the elements of employee training and individual source controls into a comprehensive training program into the facilities storm water pollution prevention plan.

4 of 4

City of Long Beach

Information Bulletin BU-042 • Construction Activities – Industrial/Commercial Best Management Practices

Purpose: To prevent the discharge of pollutants to storm water from waste handling and disposal of recyclable material. Standards:

Maintain usage inventory to limit waste generation.

 Raw material substitution or elimination. Process or equipment modification.

Production planning and sequence.

SC-9 WASTE HANDLING AND DISPOSAL

SC-10 CONTAMINATED OR ERODIBLE SURFACE AREAS

Purpose: To prevent the discharge of pollutants to storm water from contaminated or erodible surface areas by leaving as much vegetation on site as possible minimizing soil exposure time, stabilizing exposed soils and preventing storm water run-on and run-off.

Standards: Preserve natural vegetation.

 Removal of contaminated soils. Chemical stabilization.

SC-11 BUILDING AND GROUNDS MAINTENANCE

Purpose: To prevent the discharge of pollutants to storm water from building and grounds maintenance by washing and cleaning up with as little water as possible.

Standards: Leaving or planting native vegetation to reduce water, fertilizer, and pesticide needs.

Sweeping of paved surfaces.

 Cleaning of storm drainage system at appropriate intervals. Proper disposal of wash water, sweepings, and sediments.

SC-12 BUILDING REPAIR, REMODELING AND CONSTRUCTION

Purpose: To prevent the discharge of pollutants to storm water from building repair remodeling and construction by using soil erosion controls, proper storage of building materials and covering building materials. The source of these contaminants may be solvents, paints, paint and varnish removers, finishing residues, spent thinners, soap cleaners, kerosene, asphalt and concrete materials, adhesive residues and old asbestos. Standards:

Use soil erosion techniques if bare ground is temporarily exposed.

• Use permanent soil control techniques if the remodeling clears buildings from an area that are not

to be replaced.

 Enclose painting operations Properly store materials.

Properly store disposal waste generated from the activity.

**SC-13 OVER-WATER ACTIVITIES** 

Purpose: To prevent the discharge of pollutants to storm water from over-water activities by minimizing over-water maintenance. Over-water activities occur at boat and ship repair yards, marinas and yacht clubs. Activities of concern include stripping and painting of hulls, on-board maintenance of engines and the disposal of domestic water and ballast water.

3 of 4

City of Long Beach Information Bulletin BU-042 • Construction Activities – Industrial/Commercial Best Management Practices

SC-4 VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR Purpose: To prevent the discharge of pollutants to storm water from vehicle and equipment maintenance and repair including wrecking yards by running a dry shop. Standards:

Locate on paved surfaces where practical.

 Use berms to protect maintenance areas. Keep equipment clean.

Inspect equipment for leaks on a regular basis.

SC-5 OUTDOOR LOADING - UNLOADING OF MATERIALS Purpose: To prevent or reduce the discharge of pollutants to storm water from loading docks.

Limit exposure of material to rainfall.

 Prevent storm water runoff. Contain spills during transfer operations.

SC-6 OUTDOOR CONTAINER STORAGE OF LIQUIDS

Purpose: To prevent the discharge of pollutants to storm water from outdoor container storage areas by installing safeguards against accidental release.

Cover storage area with roof.

Control runoff by enclosing area with a berm.

 A spill prevention control plan. Emergency preparedness plan.

SC-7 OUTDOOR PROCESS EQUIPMENT

Purpose: To prevent discharges of pollutants to storm water from outdoor processing equipment by enclosing or covering all or some equipment and installing secondary containment.

Standards: Move activity indoors.

Standards:

Cover area with permanent roof.

• Use berms to protect area from run-on. Activities such as rock grinding or crushing, painting or coating, grinding or sanding can lead to contamination of storm water runoff.

SC-8 OUTDOOR STORAGE OF RAW MATERIALS

Purpose: To prevent the discharge of pollutant to storm water from outdoor material and product storage areas by enclosing, covering or installing secondary containment. Standards:

Store materials indoors.

 Cover storage area with roof. • Cover the materials with a temporary covering made of polyethylene, polypropylene, or hypalon.

2 of 4

City of Long Beach Department of Development Services Building and Safety Bureau Construction Activity – Industrial / Commercial

**BU-042** Eff: 04-03-2014

Information

Best Management Practices Rev: 04-04-2017 Long Beach has two drainage systems – the sewers and the storm drains. The storm drain system was designed to prevent flooding by carrying excess rainwater away from city streets out to the ocean. Because the system contains no filters, it now serves the unintended function of carrying urban pollution

Best management practices such as handling, storing and disposing of materials properly prevent construction site pollutants from entering the storm drains.

straight to the ocean. This Information Bulletin will describe how to prevent ocean pollution from

GENERAL BUSINESS PRACTICES

SC-1 NON-STORMWATER DISCHARGES TO DRAINS Purpose: To ensure that the storm water system discharge contains only storm water.

Locate discharges to the municipal storm drain system.

Locate and evaluate all discharges to the industrial storm drain system.

"stormwater" or "urban runoff" for commercial and industrial projects.

Develop a plan to eliminate elicit connections.

 Develop proposal options. Document that non-storm water discharges have been eliminated by recording tests performed.

Non-storm water discharges may include process waste waters, cooling waters, wash waters and sanitary waste water. When facilities are subject to this BMP, they must include a certification that the storm water collection system has been tested or evaluated for the presence of non-storm water discharges.

SC-2 VEHICLE AND EQUIPMENT FUELING

Purpose: To prevent fuel spills and leaks and their impacts to storm water.

 Design fueling area to prevent run-on of storm water and run-off of spills. Discourage "topping off" of fuel tanks.

Use absorbent materials on small spills.

SC-3 VEHICLE AND EQUIPMENT WASHING AND STEAM CLEANING Purpose: To prevent or reduce the discharge of pollutants to storm water from vehicle and equipment washing and steam cleaning.

Standards: Use designated wash areas designed to prevent runoff.

Consider filtering and recycling wash water.

This information is available in an alternative format by request to (562) 570-3807. For an electronic version of this document, visit our website at www.lbds.info.

1 of 4

City of Long Beach Information Bulletin BU-039 • Erosion Control / Best Management Practices

## **ESC5O SILT FENCE**

Purpose: To reduce the discharge of pollutants from construction sites utilizing a silt fence that detains

sediment-laden water, promoting sedimentation behind the fence. Use in areas where sheet flow occurs.

Turn ends of fence uphill.

 Select filter fabric that retains 85% of soil. Silt fence, which is made of filter fabric, should be entrenched and attached to supporting poles.

## **ESC52 SAND BAG BARRIER**

Purpose: To reduce the discharge of pollutants from construction sites by stacking sand bags along a level contour creating a barrier that detains sediment-laden water promoting sedimentation. Use along the perimeter of the site and around catch basin inlets to storm drains to create a temporary sediment

Use sand bags large enough to withstand flooding.

Inspect sand bags after each rain.

 Remove sediment behind sand bags. Reshape or replace damaged sand bags.

## ESC56 SEDIMENT BASIN

Purpose: To discharge the pollutants from construction sites by retaining runoff sufficiently to allow

excessive sediment to settle. Should be located where failure of embankment would not cause life/property damage.

2 of 2

Inspect weekly and after each rain.

 Remove sediments by using filters if necessary when basin is half-full. Line basin if ground water is within 10 feet of bottom.

City of Long Beach Department of Development Services Building and Safety Bureau

**Erosion Control** 

**Best Management Practices** 

Long Beach has two drainage systems – the sewers and the storm drains. The storm drain system was designed to prevent flooding by carrying excess rainwater away from city streets out to the ocean. Because the system contains no filters, it now serves the *unintended* function of carrying urban pollution straight to the ocean. This Information Bulletin will describe how to prevent ocean pollution from "stormwater" or "urban runoff."

Best management practices, such as handling, storing and disposing of materials properly prevents construction site pollutants from entering the storm drains.

## **GENERAL BUSINESS PRACTICES**

## ESCI SCHEDULING

Purpose: To reduce the discharge of pollutants from construction sites by sequencing the construction project to reduce the amount and duration of soil exposure.

 Schedule major grading operations during dry months. Practice erosion and sediment control year round.

Schedule project to disturb only small portions of the site at any one time.

Close and stabilize open trenches as soon as possible.

## ESC21 DUST CONTROL

Purpose: To reduce the discharge of pollutants from construction sites by using dust control measures to stabilize soil from wind erosion, and reduce dust generated by construction activities.

Stabilize exposed soils by using vegetation, watering/sprinkling, and stone gravel layering.

 Identify and stabilize primary access to site. · Direct traffic to stabilized areas within the project.

Street sweeping of adjacent public right-of-way.

## ESC24 STABILIZED CONSTRUCTION ENTRANCE

Purpose: To reduce the discharge of pollutants from construction sites by reducing the amount of sediment, dust, and mud tracked off-site from construction traffic.

Stabilize construction entrance with aggregate underlain with filter cloth.

Construct on level ground where possible.

 Provide ample turning radius as part of entrance. Length should be 50-foot minimum, and width 30-foot minimum.

This information is available in an alternative format by request to (562) 570-3807. For an electronic version of this document, visit our website at www.lbds.info.

1 of 2

2016 CALGREEN

Information

Bulletin

**BU-039** 

Eff: 01-07-2013

Rev: 04-04-2017

**SECTION 5.106 - SITE DEVELOPMENT** 

**5.106.1 Storm water soil loss prevention plan.** Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of stormwater runoff from the construction activities through one or more of the following measures: **5.106.1.1 Local ordinance.** Comply with a lawfully enacted stormwater

management and/or erosion control ordinance. **5.106.1.2 Best management practices (BMP).** Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping

1. Soil loss BMP that should be considered for implementation as appropriate for each project include, but are not limited to, the

a. Scheduling construction activity.

b. Preservation of natural features, vegetation and soil. c. Drainage swales or lined ditches to control stormwater flow.

d. Mulching or hydroseeding to stabilize disturbed soils. e. Erosion control to protect slopes. f. Protection of storm drain inlets (gravel bags or catch basin

g. Perimeter sediment control (perimeter silt fence, fiber rolls). h. Sediment trap or sediment basin to retain sediment on site. i. Stabilized construction exits.

j. Wind erosion control.

k. Other soil loss BMP acceptable to the enforcing agency. 2. Good housekeeping BMP to manage construction equipment, materials and wastes that should be considered for implementation

to, the following: a. Material handling and waste management.

b. Building materials stockpile management. c. Management of washout areas (concrete, paints, stucco, etc.).

as appropriate for each project include, but are not limited

d. Control of vehicle/equipment fueling to contractor's staging

e. Vehicle and equipment cleaning performed off site. f. Spill prevention and control.

g. Other housekeeping BMP acceptable to the enforcing agency

Innovation and Design in Architecture

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Project Owner:

Issue For:

Project Status

Issue Date:

09/05/18 REASON

M.WALSH PROJECT MANAGER:

PRINCIPAL IN CHARGE:

Project Number:

**PRACTICES** 

THE 908 LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD

153-001-18 Sheet Title:

**BEST MANAGEMENT** 

SUITE 410, BUILDING (TYP)

Sheet Number:



#### ASSISTIVE LISTENING SYSTEMS

- 5. Assistive listening systems shall be provided in assembly areas, including conference and meeting rooms, used for the purpose of entertainment, educational or civic gatherings, or similar purposes. §11B-202, §11B-219.2 NOTE: Assembly areas include, but are not limited to, classrooms, lecture halls, courtrooms, public meeting rooms, public hearing rooms, legislative chambers, motion picture houses, auditoria, theaters, playhouses, dinner theaters, concert halls, centers for the performing arts, amphitheaters, arenas, stadiums, grandstands, or convention centers. §11B-202, §11B-219.2
- 6. Assistive listening system shall provide an amplification system utilizing transmitters, receivers, and coupling devices to bypass the acoustical space between a sound source and a listener by means of induction loop, radio frequency, infrared, or direct-wired equipment. §11B-202
- 7. Where a building contains more than one assembly area under one management, the total number of required receivers may be calculated using the total number of seats in the assembly areas provided that all receivers are usable with all systems. §11B-219.3 8. Twenty-five percent minimum of receivers provided for assistive listening systems, but no fewer than two, shall be hearing-aid

compatible with except when all seats in an assembly area are served by means of an induction loop. §11B-219.3

- 9. When assistive-listening systems are limited to specific areas or seats, such areas or seats shall be within a 50-foot viewing distance of the stage or playing area and shall have a complete view of the stage or playing area. §11B-219.4 10. Permanently installed assistive-listening systems are required in areas if (1) they have fixed seating and (2a) they accommodate at least 50 persons or (2b) they have audio-amplification systems, except those used exclusively for paging and/or background music.
- §11B-219.2, §11B-219.5 11. Portable assistive-listening systems may serve more than one conference or meeting rooms if an adequate number of electrical
- 12. Receivers required for use with an assistive listening system shall include a 1/8 inch standard mono jack. §11B-706.2 13. Receivers required to be hearing aid compatible shall interface with telecoils in hearing aids through the provision of neck loops.

outlets or other supplementary wiring is provided and permanently installed systems are not required. §11B-219.5

14. Assistive listening systems shall be capable of providing a sound pressure level from 110 – 118 dB with a dynamic range on the volume control of 50 dB. §11B-706.4 15. Signal-to-noise ratio for internally generated noise in assistive listening systems shall be 18 dB minimum. §11B-706.5

#### 16. Peak clipping shall not exceed 18 dB of clipping relative to the peaks of speech. §11B-706.6 TWO-WAY COMMUNICATION SYSTEMS

- 17. Two-way communication systems that are provided to gain admittance to a building or facility or to restricted areas within a building or facility shall provide both audible and visual signals. Handset cords, if provided, shall be 29 inches long minimum. §11B-230.1,
- 18. Common use or public use system interface of communications systems between a residential dwelling unit and a site, building, or floor entrance shall include the capability of supporting voice and TTY communication with the residential dwelling unit interface. 19. Residential dwelling unit system interface of communications systems between a residential dwelling unit and a site, building, or floor
- entrance shall include a telephone jack capable of supporting voice and TTY communication with the common use or public use system interface. §11B-708.4.2

#### **TELEPHONES** 20. Where coin-operated public pay telephones, coin less public pay telephones, public closed-circuit telephones, public courtesy

- phones, or other types of public telephones are provided, public telephones shall be provided in accordance with 11B-217 Telephones for each type of public telephone provided. For purposes of this section, a bank of telephones shall be considered to be two or more adjacent telephones. §11B-217.1
- 21. Except drive-up only public telephones, where public telephones are provided, wheelchair accessible telephones complying with 11B-704.2 shall be provided in accordance with Table 11B-217.2. §11B-217.2
- 22. All public telephones shall have volume controls complying with 11B-704.3. §11B-217.3
- 23. TTYs complying with 11B-704.4 shall be provided in accordance with 11B-217.4.
- 24. Where a bank of telephones in the interior of a building consists of three or more public pay telephones, at least one public pay telephone at the bank shall be provided with a shelf and an electrical outlet in accordance with 11B-704.5. §11B-217.5 (See exception)

Accessibility General Notes v1.0 7 of 7 Rev: 02.14.2017 www.lbds.info

#### City of Long Beach Department of Development Services – Building and Safety Bureau, Plan Review Division Accessibility General Notes

16. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 11B-309 Operable Parts except that the flush control shall be mounted at a maximum height of 44 inches above the finish floor. §11B-605.4

17. For lavatories and sinks, a clear floor space complying with Section 11B-305 Clear Floor or Ground Surfaces, positioned for a forward approach, and knee and toe clearance complying with Section 11B-306 Knee and Toe Clearance shall be provided. §11B-606.2 18. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches maximum above the finish

#### floor or ground. §11B-606.3 SIGNS RELATED TO TOILETS AND BATHRING FACILITIES

- 19. Entrances leading to toilet rooms and bathing rooms complying with 11B-603 Toilet and Bathing Rooms shall be identified by a geometric symbol complying with 11B-703.7.2.6 Toilet and Bathing Room Geometric Symbols. Where existing toilet rooms or bathing rooms do not comply with 11B-603 Toilet and Bathing Rooms, directional signs indicating the location of the nearest compliant toilet room or bathing room within the facility shall be provided. Signs shall comply with 11B-703.5 Visual Characters and shall include the International Symbol of Accessibility complying with 11B-703.7.2.1 ISA. Where existing toilet rooms or bathing rooms do not comply with 11B-603 Toilet and Bathing Rooms, the toilet rooms or bathing rooms complying with 11B-603 Toilet and Bathing Rooms shall be identified by the International Symbol of Accessibility complying with 11B-703.7.2.1 ISA. Where clustered single user toilet rooms or bathing facilities are permitted to use exceptions to 11B-213.2 Toilet and Bathing Rooms, toilet rooms or bathing facilities complying with 11B-603 Toilet and Bathing Rooms shall be identified by the International Symbol of Accessibility complying with 11B-703.7.2.1 ISA unless all toilet rooms and bathing facilities comply with 11B-603 Toilet and Bathing Rooms. Existing buildings that have been remodeled to provide specific toilet rooms or bathing rooms for public use that comply with these building standards shall have the location of and the directions to these rooms posted in or near the building lobby or entrance on a sign complying with 11B-703.5 Visual Characters, including the International Symbol of Accessibility complying with 11B-703.7.2.1 ISA. §11B-216.8
- 20. Pictograms shall comply with the following: a. Pictograms shall have a field height of 6 inches minimum. Characters and Braille shall not be located in the pictogram field.
- b. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field. §11B-703.6.2
- c. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 11B-703.2 Raised Characters, 11B-703.3 Braille and 11B-703.4 Installation Height and Location. §11B-703.6.3 d. The installation height and location of Pictogram signs shall be per §11B-703.4.1.
- 21. Symbols shall comply with the following: a. Doorways leading to toilet rooms and bathing rooms shall be identified by a geometric symbol complying with 11B-703.7.2.6 Toilet and Bathing Facilities Geometric Symbols. The symbol shall be mounted at 58 inches minimum and 60 inches maximum above the finish floor or ground surface measured from the centerline of the symbol. Where a door is provided the symbol shall
- be mounted within 1 inch of the vertical centerline of the door. §11B-703.7.2.6 (See exception) b. Men's toilet and bathing facilities shall be identified by an equilateral triangle, ¼ inch thick with edges 12 inches long and a vertex nting upward. The triangle symbol shall contrast with the door, either light on a dark background or dark on a light background.
- c. Women's toilet and bathing facilities shall be identified by a circle, ¼ inch thick and 12 inches in diameter. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background. §11B-703.7.2.6.2 d. Unisex toilet and bathing facilities shall be identified by a circle, 1/2 inch thick and 12 inches in diameter with a 1/2 inch thick triangle with a vertex pointing upward superimposed on the circle and within the 12-inch diameter. The triangle symbol shall contrast with

#### the circle symbol, either light on a dark background or dark on a light background. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background. §11B-703.7.2.6.3 WASHING MACHINE AND CLOTHES DRYERS

- 22. Washing machines and clothes dryer's operable parts must comply with Section 11B-309 Operable Parts. §11B-611.3 23. Top loading machines shall have the door to the laundry compartment located 36 inches maximum above the finish floor. Front loading machines shall have the bottom of the opening to the laundry compartment located 15 inches minim and 36 inches maximum above the finish floor. §11B-611.4
- COMMUNICATION ELEMENTS AND FEATURES
- 1. Where fire alarm systems and carbon monoxide alarm systems provide audible alarm coverage, alarms shall comply with 11B-215 Fire Alarm Systems. §11B-215.1 (See exception)
- Alarms in public use areas and common use areas shall comply with 702 Chapter 9, Section 907.5.2.3.1. §11B-215.2 Where employee work areas have audible alarm coverage, the wiring system shall be designed so that visible alarms complying with
- 702 Chapter 9, Section 907.5.2.3.2 can be integrated into the alarm system. §11B-215.3 4. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72, except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 shall have a sound level no more

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than 110dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with NFPA 72 and Chapter 9, Sections 907.5.2.1 and 907.5.2.3. §11B-702.1

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60. The bottom of diagonal curb ramps shall have a clear space 48 inches minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches minimum clear space within the markings. §11B-406.5.9 61. Curb ramps and blended transitions shall have detectable warnings complying with 11B-705 Detectable Warnings. §11B-406.5.12

62. Raised islands in crossings shall be cut through level with the street or have curb ramps at both sides. The clear width of the accessible route at islands shall be 60 inches wide minimum. Where curb ramps are provided, they shall comply with 11B-406 Curb Ramps, Blended Transitions and Islands. Landings complying with 11B-406.5.3 Landings and the accessible route shall be permitted to overlap. Islands shall have detectable warnings complying with 11B-705 Detectable Warnings and Detectable Directional Texture. §11B-406.6, Figure 11B-406.6

#### D. GENERAL SITE AND BUILDING ELEMENTS

- 1. Where parking spaces are provided, accessible parking spaces shall be provided in number and kind required per Section 11B-208 Parking Spaces. §11B-208.1
- 2. Where passenger loading zones, drop-off zones, and/or bus stops are provided, accessible passenger loading zones, drop-off zones, and/or bus stops are required

#### E. PLUMBING FIXTURES AND FACILITIES

DRINKING FOUNTAINS

- 1. Drinking fountains shall comply with Sections 11B-307 Protruding Objects and 11B-602 General Requirements. §11B-602.1 2. Units shall have a clear floor or ground space complying with Section 11B-305 Clear Floor or Ground Space positioned for a forward approach and centered on the unit. Knee and toe clearance complying with Section 11B-306 Knee and Toe Clearance shall be
- 3. Spout outlets shall be 36 inches maximum above the finish floor or ground. §11B-602.4
- 4. The spout shall be located 15 inches minimum from the vertical support and 5 inches maximum from the front edge of the unit, including bumpers. §11B-602.5 5. The spout shall provide a flow of water 4 inches high minimum and shall be located 5 inches maximum from the front of the unit. The
- angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches from the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches and 5 inches maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum. §11B-602.6 6. Spout outlets of drinking fountains for standing persons shall be 38 inches minimum and 43 inches maximum above the finish floor or ground. §11B-602.7
- 7. Wall and post-mounted cantilevered drinking fountains shall be 18 inches minimum and 19 inches maximum in depth. §11B-602.8 8. All drinking fountains shall either be located completely within alcoves, positioned completely between wing walls, or otherwise positioned so as not to encroach into pedestrian ways. The protected area within such a drinking fountain is located shall be 32 inches wide minimum and 18 inches deep minimum, and shall comply with Section 11B-305.7 Maneuvering Clearance. When used, wing walls or barriers shall protect horizontally at least as far as the drinking fountain and to within 6 inches vertically from the floor or ground surface. §11B-602.9

#### TOILET AND BATHING ROOM CLEARANCES 9. Doors to unisex toilet rooms and unisex bathing rooms shall have privacy latches. §11B-213.2.1

- 10. Mirrors located above the lavatories or countertops shall be installed within the bottom edge of the reflecting surface 40 inches maximum above the finish floor or ground. Mirrors not located above the lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches maximum above the finish floor or ground. §11B-603.3
- 11. Coat hooks shall be located within one of the reach ranges specified in Section 11B-308. Shelves shall be located 40 inches minimum and 48 inches maximum above the finish floor. Medicine cabinets shall be located with a usable shelf no higher than 44 inches maximum above the finish floor. §11B-603.4
- 12. Where towel or sanitary napkin dispensers, waste receptacles, or other accessories are provided in toilet facilities, at least one of each type shall be located on an accessible route. All operable parts, including coin slots, shall be 40 inches maximum above the finish floor. Baby changing stations are not required to comply with Section 11B-603.5 (See exception) §11B-603.5 WATER CLOSETS AND TOILET COMPARTMENTS
- 13. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 11B-309.4 Operation except they shall be located 44 inches maximum above the floor. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with Section 11B-604.8.2 Ambulatory Accessible Compartments.
- 14. Toilet paper dispensers shall comply with Section 11B-309.4 Operation and shall be 7 inches minimum and 9 inches maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be below the grab bar, 19 inches minimum above the finish floor and shall not be located behind the grab bars. Dispensers shall not be of a type that control delivery or that does not allow continuous paper flow. §11B-604.7
- 15. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches maximum above the finish floor or ground. Urinals shall be 13½ inches deep minimum measured from the outer face of the urinal rim to the back of the fixture. §11B-605.2

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#### **Accessibility General Notes** 37. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with Section

- 38. Ramp handrails shall extend horizontally above the landing for 12 inches minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.
- 39. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent
- 40. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance equal to one tread depth beyond the last riser nosing. The horizontal extension of a handrail shall be 12 inches long minimum and a height equal to that of the sloping portion of the handrail as measured above the stair nosings. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. §11B-505.10.3
- 41. A stair is defined as a change in elevation, consisting of one or more risers. §11B-202
- 42. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches high minimum and 7 inches high maximum. Treads shall be 11 inches deep minimum. Curved stairways with winder treads are permitted at stairs which are not part of a required means of egress. §11B-504.2 (See exception)
- 43. Open risers are not permitted. §11B-504.3 (See exceptions)

11B-505.10 Handrail Extensions. **§11B-505.10** 

- 44. Interior stairs shall have the upper approach and lower tread marked by a stripe providing clear visual contrast. Exterior stairs shall have the upper approach and all treads marked by a stripe providing clear visual contrast. The stripe shall be a minimum of 2 inches wide to a maximum of 4 inches wide placed parallel to, and not more than 1 inch from, the nose of the step or upper approach. The stripe shall extend the full width of the step or upper approach and shall be of material that is at least as slip resistant as the other treads of the stair. A painted stripe shall be acceptable. Grooves shall not be used to satisfy this requirement. §11B-504.4.1
- 45. The radius of curvature at the leading edge of the tread shall be ½ inch maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 11/4 inches maximum over the tread below. §11B-504.5
- (See exception for existing buildings) 46. Stairs shall have handrails complying with Section 11B-505 Handrails. §11B-504.6
- 47. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water. §11B-504.7 48. Floor identification signs required by Chapter 10, Section 1022.9 complying with Sections 11B-703.1 Signs General, 11B-703.2 Raised Characters, 11B-703.3 Braille and 11B-703.5 Visual Characters shall be located at the landing of each floor level, placed adjacent to the door on the latch side, in all enclosed stairways in buildings two or more stories in height to identify the floor level. At the exit discharge level, the sign shall include a raised five pointed star located to the left of the identifying floor level. The outside
- diameter of the star shall be the same as the height of the raised characters. §11B-504.8 **CURB RAMPS, BLENDED TRANSITIONS AND ISLANDS**
- 49. Perpendicular ramp runs shall have a running slope not steeper than 1:12 (8.33%). §11B-406.2.1 50. For perpendicular ramps, where provided, curb ramp flares shall not be steeper than 1:10. §11B-406.2, Figure 11B-406.2.2
- 51. The running slope of the curb ramp segments shall be in-line with the direction of sidewalk travel. Ramp runs shall have a running slope not steeper than 1:12 (8.33%). **§11B-406.3.1**, **Figure 11B-406.3.2**
- space in all directions shall be 1:48 maximum (2.0%). §11B-406.3.2 53. Blended transition ramps hall have a running slope not steeper than 1:20 (5%). §11B-406.4.1

52. A turning space 48 inches minimum by 48 inches minimum shall be provided at the bottom of the curb ramp. The slope of the turning

- 54. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides. §11B-406.5.1
- 55. The clear width of curb ramp runs (excluding any flared sides), blended transitions, and turning spaces shall be 48 inches minimum
- 56. Landings shall be provided at the tops of curb ramps and blended transitions (parallel curb ramps shall not be required to comply). The landing clear length shall be 48 inches minimum. The landing clear width shall be at least as wide as the curb ramp, excluding any flared sides, or the blended transition leading to the landing. The slope of the landing in all directions shall be 1:48 (2.0%) maximum §11B-406.5.3
- 57. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush. §11B-406.5.6
- 58. The cross slope of curb ramps and blended transitions shall be 1:48 (2.0%) maximum. §11B-406.5.7 59. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be
- steeper than 1:20 (5%). The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level. §11B-406.5.8

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Department of Development Services – Building and Safety Bureau, Plan Review Division 10. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 11B-309.4 Operation. Operable parts of such hardware shall be 34 inches minimum and 44 inches maximum above the finish floor or ground. Where sliding doors are in

- the fully open position, operating hardware shall be exposed and usable from both sides. §11B-404.2.7 11. The force for pushing or pulling open a door or gate other than fire doors shall be as follows: §11B-404.2.9 a. Interior hinged doors and gates: 5 pounds maximum.
- b. Sliding or folding doors: 5 pounds maximum. c. Required fire doors: the minimum opening force allowable by the appropriate administrative authority, not to exceed 15 pounds. d. Exterior hinged doors: 5 pounds maximum. 12. Swinging door and gate surfaces within 10 inches of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within

#### capped. §11B-404.2.10 13. Ramp runs shall have a running slope not steeper than 1:12 (8.33%). §11B-405.2

14. Cross slope of ramp runs shall not be steeper than 1:48 (2.0%). §11B-405.3 15. Floor or ground surfaces of ramp runs shall comply with 11B-302 Floor or Ground Surfaces. Changes in level other than the running

1/16 inch of the same plane as the other and be free of sharp or abrasive edges. Cavities created by added kick plates shall be

- slope and cross slope are not permitted on ramp runs. §11B-405.4 16. The clear width of a ramp run shall be 48 inches minimum. §11B-405.5
- 17. The rise for any ramp run shall be 30 inches maximum. §11B-405.6 18. Ramps shall have landings at the top and the bottom of each ramp run. §11B-405.7
- 19. Landings shall comply with 11B-302 Floor or Ground Surfaces. Changes in level are not permitted. §11B-405.7.1
- 20. The landing clear width shall be at least as wide as the widest ramp run leading to the landing. §11B-405.7.2 21. Top landings shall be 60 inches wide minimum. §11B-405.7.2.1
- 22. The landing clear length shall be 60 inches long minimum. §11B-405.7.3 23. Bottom landings shall extend 72 inches minimum in the direction of ramp run. §11B-405.7.3.1
- 24. Ramps that change direction between runs at landings shall have a clear landing 60 inches minimum by 72 inches minimum in the
- direction of downward travel from the upper ramp run. §11B-405.7.4 25. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 11B-404.2.4 and 11B-404.3.2 shall be permitted to overlap the required landing area. Doors, when fully open, shall not reduce the required ramp landing width by more than 3 inches. Doors, in any position, shall not reduce the minimum dimension of the ramp landing to less than 42 inches.
- 26. Ramp runs shall have compliant handrails per 11B-505 Handrails. §11B-405.8 27. Edge protection complying with 11B-405.9.2 Curb or Barrier shall be provided on each side of ramp runs and at each side of ramp
- landings. §11B-405.9 (See exceptions) 28. A curb, 2 inches high minimum, or barrier shall be provided that prevents the passage of a 4 inch diameter sphere, where any portion
- of the sphere is within 4 inches of the finish floor or ground surface. To prevent wheel entrapment, the curb or barrier shall provide a continuous and uninterrupted barrier along the length of the ramp. §11B-405.9.2 29. Landings subject to wet conditions shall be designed to prevent the accumulation of water. §11B-405.10
- **HANDRAILS** 30. Handrails shall be provided on both sides of stairs and ramps. §11B-505.2

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- 31. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs
- and ramps shall be continuous between flights or runs. §11B-505.3 32. Top of gripping surfaces of handrails shall be 34 inches minimum and 38 inches maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.
- recess if the recess is 3 inches maximum deep and 18 inches minimum clear above the top of the handrail. §11B-505.5 34. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections
- shall occur 1½ inches minimum below the bottom of the handrail-gripping surface. §11B-505.6 35. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1¼ inches minimum and 2 inches maximum.

33. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1½ inches minimum. Handrails may be located in a

36. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches minimum and 61/4 inches maximum, and a cross-section dimension of 21/4 inches maximum. §11B-505.7.2

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#### Department of Development Services – Building and Safety Bureau, Plan Review Division Accessibility General Notes

- 15. Lowest edge of a sign or other obstruction, when mounted between posts or pylons separated with a clear distance greater than 12 inches, shall be less than 27 inches or more than 80 inches above the finish floor or ground. §11B-307.3, Figure 11B-307.3(b) 16. Vertical clearance shall be at least 80 inches high on circulation paths except at door closers and door stops, which may be 78 inches
- minimum above the finish floor or ground. §11B-307.4 17. Guardrails or other barriers with a leading edge located 27 inches maximum above the finish floor or ground shall be provided where the vertical clearance on circulation paths is less than 80 inches high. §11B-307.4, Figure 11B-307.4 18. Where a guy support is used within either the width of a circulation path or 24 inches maximum outside of a circulation path, a vertical guy brace, sidewalk guy or similar device shall be used to prevent a hazard or an overhead obstruction. §11B-307.4.1, Figure 11B-307.4.1
- **REACH RANGES** 19. Electrical controls and switches intended to be used by the occupant of a room or area to control lighting and receptacle outlets, appliances or cooling, heating and ventilating equipment shall be located within allowable reach ranges. Low reach shall be measured to the bottom of the outlet box and high reach shall be measured to the top of the outlet box. §11B-308.1.1
- 20. Electrical receptacle outlets on branch circuits of 30 amperes or less and communication system receptacles shall be located within allowable reach ranges. Low reach shall be measured to the bottom of the outlet box and high reach shall be measured to the top of the outlet box. §11B-308.1.2. 21. High forward reach that is unobstructed shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above
- the finish floor or ground. §11B-308.2.1, Figure 11B-308.2.1 22. High forward reach shall be 48 inches maximum where the reach depth is 20 inches or less and 44 inches maximum where the reach
- depth exceeds 20 inches. High forward reach shall not exceed 25 inches in depth. §11B-308.2.2, Figure 11B-308.2.2 23. High side reach shall be 48 inches maximum and the low side reach shall be 15 inches minimum above the finish floor where the side reach is unobstructed or the depth of any obstruction does not exceed 10 inches. §11B-308.3.1, Figure 11B-308.3.1

24. High side reach shall be 46 inches maximum above the finish floor or ground where the high side reach is over an obstruction more

- than 10 inches but not more than 24 inches in depth. §11B-308.3.2, Figure 11B-308.3.2 25. Obstructions for high side reach shall not exceed 34 inches in height and 24 inches in depth. §11B-308.3.2, Figure 11B-308.3.2 26. Obstructed high side reach for the top of washing machines and clothes dryers shall be permitted to be 36 inches maximum above
- 27. Obstructed high side reach for the operable parts of fuel dispensers shall be permitted to be 54 inches maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs. §11B-308.3.2
- 28. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. Force required to activate operable parts shall be 5 pounds maximum. §11B-309.4

#### DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXTURE 1. Detectable warning surfaces shall be yellow and approximate FS 33538 of Federal Standard 595C. §11B-705.1.1.3.1

- 2. Detectable warning surfaces shall provide a 70 percent minimum visual contrast with adjacent walking surfaces. Contrast in percent shall be determined by: §11B-705.1.1.3.2 (See exception) Contrast percent = [(B1-B2)/B1] x 100; where: B1 = light reflectance value (LRV) of the lighter area and B2 = light reflectance value (LRV) of the darker area
- 3. Doors, doorways, and gates providing user passage shall be provided in accordance with 11B-206.5 Doors, Doorways, and Gates.
- 4. Doors, doorways and gates that are part of an accessible route shall comply with 11B-404 Doors, Doorways, and Gates. §11B-404.1 5. Door openings shall provide a clear width of 32 inches minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches deep shall provide a clear opening of 36 inches minimum. There shall be no projections into the required clear opening width lower than 34 inches above the finish floor or ground. Projections into the clear opening width between 34 inches and 80 inches above the finish floor or ground shall
- 6. Swinging doors and gates shall have maneuvering clearances complying with Table 11B-404.2.4.1. §11B-404.2.4.1 Doorways less than 36 inches wide without doors or gates, sliding doors, or folding doors shall have maneuvering clearances

comply with 11B-302 Floor or Ground Surfaces and 11B-303 Changes in Level. §11B-404.2.5

- complying with Table 11B-404.2.4.2. §11B-404.2.4.2 8. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches of the latch side an interior
- doorway, or within 24 inches of the latch side of an exterior doorway, projects more than 8 inches beyond the face of the door, measured perpendicular to the face of the door or gate. §11B-404.2.4.3 9. Thresholds, if provided at doorways, shall be ½ inch high maximum. Raised thresholds and changes in level at doorways shall

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**ACCESSIBILITY GENERAL NOTES** The following notes shall be incorporated in the construction documents and represents the minimum standards that must be The State of California delegates to the local jurisdiction the authority to ensure compliance with Title 24, Part 2 of the California Code of Regulations. Please be aware that the owner(s) of this building and his/her consultants are responsible for compliance with the most

current Federal Regulations contained in the Americans with Disabilities Act (ADA) and Fair Housing Act (FHA). Where the ADA & FHA

requirements exceed those contained in Title 24, Part 2, it is the owners responsibility and consultants to ensure compliance with the

most current ADA & FHA regulations, as the County/City is not delegated the authority to plan review or inspect projects for ADA & FHA

DEPARTMENT OF DEVELOPMENT SERVICES

333 West Ocean Boulevard, 4th Floor • Long Beach, CA 90802 • (562) 570-5237 FAX (562) 570-6753

## A. APPLICATION AND ADMINISTRATION

1. Public accommodations shall maintain in operable working condition those features of facilities and equipment that are required to be accessible to and useable by persons with disabilities. Isolated or temporary interruptions in service or accessibility due to maintenance or repairs shall be permitted. §11B-108

#### B. BUILDING BLOCKS FLOOR OR GROUND SURFACES

- Floor and ground surfaces shall be stable, firm, and slip resistant. §11B-302.1
- 2. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be ½ inch maximum. §11B-302.2, Figure 11B-302.2
- 3. Vertical changes in level for floor or ground surfaces may be \( \frac{1}{2} \) inch high maximum and without edge treatment. Changes in level greater than  $\frac{7}{4}$  inch and not exceeding  $\frac{7}{2}$  inch in height shall be beveled with a slope not steeper than 1:2. §11B-303, Figures 4. Changes in level greater than ½ inch in height shall be ramped and shall comply with the requirements of 11B-405 Ramps or 11B-
- 406 Curb Ramps as applicable. §11B-303 5. Abrupt changes in level exceeding 4 inches in a vertical dimension between walks, sidewalks or other pedestrian ways and adjacent surfaces or features shall be identified by warning curbs at least 6 inches in height above the walk or sidewalk surface or by guards or handrails with a guide rail centered 2 inches minimum and 4 inches maximum above the surface of the walk or sidewalk. These
- 6. Circular turning spaces shall be a space of 60 inches diameter minimum and may include knee and toe clearance complying with 11B-306 Knee and Toe Clearance. §11B-304.3.1

requirements do not apply between a walk or sidewalk and an adjacent street or driveway. §11B-303.5

- 7. T-Shaped turning spaces shall be a T-shaped space within a 60 inch square minimum with arms and base 36 inches wide minimum. Each arm of the T shall be clear of obstructions 12 inches minimum in each direction and the base shall be clear of obstructions 24 inches minimum. §11B-304.3.2, Figure 11B-304.3.2 KNEE AND TOE CLEARANCE
- 8. For lavatories and built-in dining and work surfaces required to be accessible, toe clearance shall be provided that is 30 inches in width and 9 inches in height above the finish floor or ground for a depth of 19 inches minimum. §11B-306.2.1 9. Toe clearance shall extend 19 inches maximum under lavatories for toilet and bathing facilities and 25 inches maximum under other
- 10. At lavatories in toilet and bathing facilities, knee clearance shall be provided that is 30 inches in width for a depth of 11 inches at 9 inches above the finish floor or ground and for a depth of 8 inches at 27 inches above the finish floor or ground increasing to 29 inches high minimum above the finish floor or ground at the front edge of a counter with a built-in lavatory or at the front edge of a wall-mounted lavatory fixture. §11B-306.3.3, Figure 11B-306.3(c)
- 11. At dining and work surfaces required to be accessible, knee clearance shall be provided that is 30 inches in width at 27 inches above the finish floor or ground for a depth of at least 19 inches. §11B-306.3 PROTRUDING OBJECTS 12. Except for handrails, objects with leading edges more than 27 inches and less than 80 inches above the finish floor or ground shall
- protrude no more than 4 inches horizontally into the circulation path. Handrails may protrude 4½ inches maximum. §11B-307.2, 13. Freestanding objects mounted on posts or pylons shall overhang circulation paths no more than 12 inches when located from 27 to 80 inches above the finish floor or ground. §11B-307.3, Figure 11B-307.3(a)

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14. Protruding objects shall not reduce the clear width required for accessible routes. §11B-307.5

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Innovation and Design in Architecture

218 The Promenade North Long Beach, CA 90802

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09/05/18

REASON

DATE

Project Status

PROJECT MANAGER:

BOULEVARD

**Project Number:** 

THE 908 LBX - LONG BEACH EXCHANGE 3850 WORSHAM

153-001-18 Sheet Title:

**ACCESSIBILITY NOTES** 

**SUITE 410, BUILDING (TYP)** 

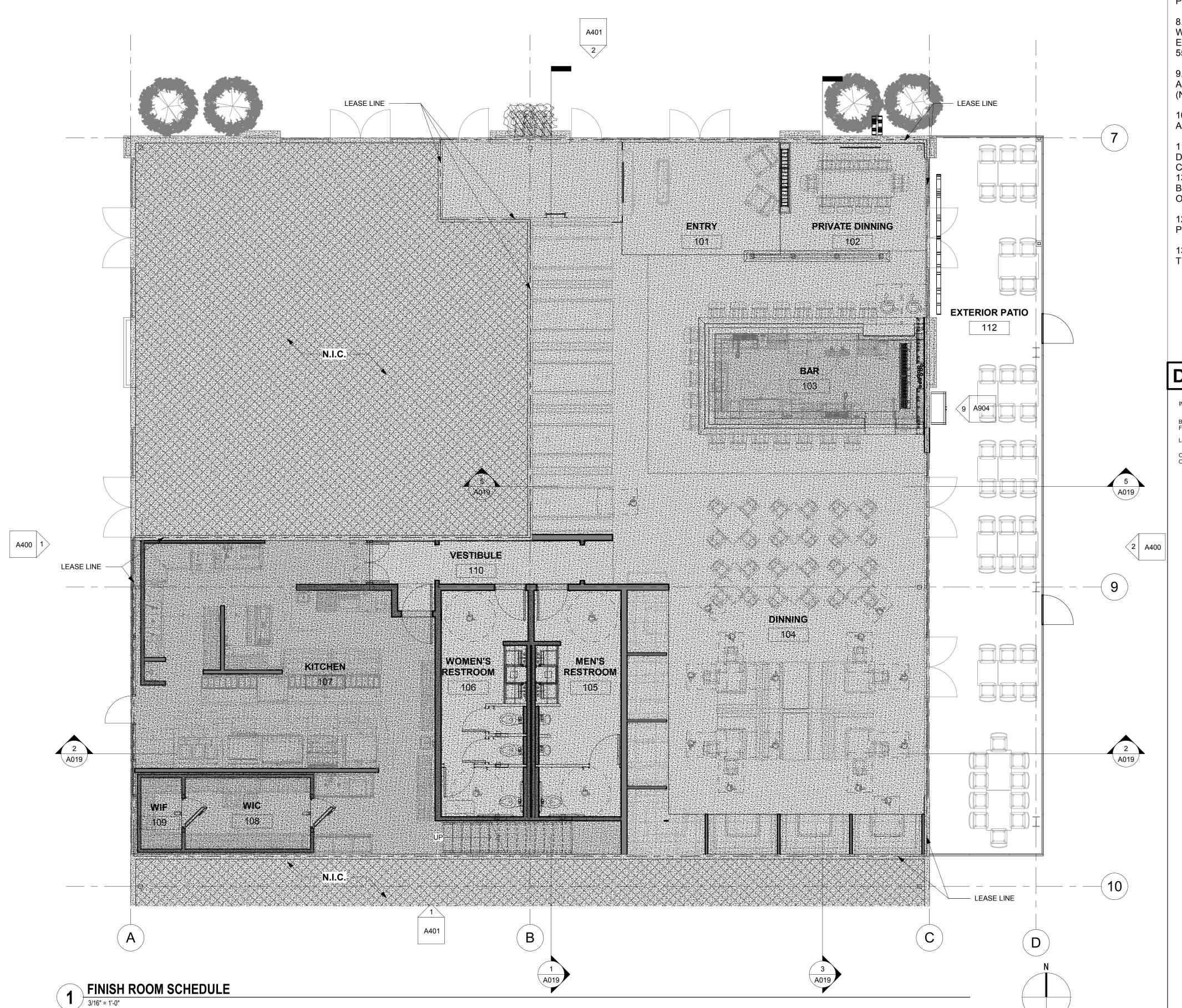
AN203

**Sheet Number:** 

DOORS, DOORWAYS, AND GATES

not exceed 4 inches. §11B-404.2.3

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#### **CO2 NOTES**

1. ALL CO2 MONITORING AND ALARM SYSTEMS TO MEET NFPA 55 AND CFC 5307 CODE REQUIREMENTS

2. INSTALL PER MANUFACTURERS INSTRUCTION GUIDELINES AND SAFETY PROTOCOLS TO ENSURE CODE COMPLIANCY.

3. AN EMERGENCY ALARM SYSTEM SHALL COMPLY WITH ALL OF THE FOLLOWING: - CONTINUOUS GAS DETECTION SHALL BE PROVIDED TOMONITOR AREAS WHERE

CARBON DIOXIDE CANACCUMULATE. - THE THRESHOLD FOR ACTIVATION OF AN ALARM SHALL NOT EXCEED 5,000 PARTS PER

MILLION. - ACTIVATION OF THE EMERGENCY ALARM SYSTEM SHALL INITIATE A LOCAL ALARM WITHIN THE ROOM OR AREA IN WHICH THE SYSTEM IS INSTALLED. (CFC 5307.5.2)

4. CARBON DIOXIDE SYSTEMS SHALL BE INSTALLED SO THE STORAGE TANKS, CYLINDERS, PIPING AND FITTINGS ARE PROTECTED FROM DAMAGE BY OCCUPANTS OR EQUIPMENT DURING NORMAL FACILITY OPERATIONS. (CFC 5307.4)

5. CONTAINERS USED FOR LIQUID CARBON DIOXIDE SHALL BE EQUIPPED WITH PRESSURE RELIEF DEVICES PIPED FROMTHE UPPERMOST PART OF THE CONTAINERS AND COMMUNICATING WITH THE VAPOR SPACE. (NFPA 55, 13.1.1)

6. PRESSURE RELIEF DEVICES SHALL BE LOCATED TO MINIMIZE TAMPERING, DAMAGE, AND OBSTRUCTION TO FLOW. (NFPA 55, 13.1.1.1.1)

7. THE INLET AND OUTLET OF THE RELIEF DEVICES SHALL NOT BE BLOCKED BY A VALVE OR PLUG DURING NORMAL OPERATION. (NFPA 55, 13.3.1.1.2)

8. VENT PIPE SYSTEMS. PRESSURE RELIEF DEVICES SHALL BE PIPED TO THE OUTDOORS WHERE THE DISCHARGE WILL NOT IMPINGE ON THE STRUCTURE, PERSONNEL, OR MEANS OF EGRESS AND WILL NOT CREATE A HAZARDOUS CONCENTRATION OF CARBON DIOXIDE. (NFPA 55, 13.3.1.2)

9. CYLINDERS, CONTAINERS, AND TANKS SHALL BE PROVIDED WITH A PRESSURE GAUGE AND A LEVEL GAUGE OR DEVICE FOR INDICATING THE QUANTITY OF LIQUID CARBON DIOXIDE. (NFPA 55, 13.3.2.1)

10. THESE DEVICES SHALL BE DESIGNED FOR THE TEMPERATURES AND PRESSURES ASSOCIATED WITH LIQUID CARBON DIOXIDE SERVICE. (NFPA 55, 13.3.2.2)

11. CARBON DIOXIDE PIPING SHALL BE LOCATED AND SUPPORTED TO PROTECT AGAINST DAMAGE FROM STRAIN ON PIPING AND FITTINGS; THE EFFECTS OF EXPANSION, CONTRACTION, AND VIBRATION; MECHANICAL DAMAGE; AND HEAT SOURCES. (NFPA 55, 13.3.3.1) SHOW ALL PIPING LOCATIONS ON THE PLANS, SHOW ALL CONNECTIONS TO THE BEVERAGE SYSTEMS. ADDITIONAL C02 SENSORS AND ALARMS MAY BE REQUIRED DEPENDING ON THE INFORMATION PROVIDED.

12. PIPING, TUBING, AND HOSES AND FITTINGS SHALL BE DESIGNED TO A BURSTING PRESSURE OF AT LEAST FOUR TIMES THE SYSTEM DESIGN PRESSURE.(NFPA 55, 13.3.3.2)

13. ACTIVATION OF THE GAS DETECTION SYSTEM SHALL INITIATE AN AUDIBLE ALARM WITHIN THE ROOM OR AREA IN WHICH THE SYSTEM IS INSTALLED. (NFPA 55, 13.6.2.1)

## DESCRIPTION OF WORK / CODE INFORMATION

INSTALLATION OF CO2 MONITORING AND ALARM SYSTEM FOR TENANT IMPROVEMENT PROJECT AT 301 THE PROMENADE NORTH, LONG BEACH CA

2016 California Building Code 2016 California Fire Code Building Code: Fire Code:

NFPA 55, 2016 Edition Title 19 California Code of Regulations, Title 18 of Long Beach

Innovation and Design in Architecture, 218 The Promenade North Long Beach, CA 90802

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Engineering Consultant:

Project Owner:

REASON

09/05/18

PROJECT MANAGER:

THE 908

LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP)

153-001-18

ROOM FINISH SCHEDULE

City of Long Beach • Formaldehyde Emissions Verification Checklist • Form GRN-03

The following section shall be completed by a person with overall responsibility for the planning and design portion of the project. **DECLARATION STATEMENT** 

- I certify under penalty of perjury, under the laws of the State of California, the information provided is true and correct.
- I certify that the installed measures, materials, components, or manufactured devices identified on this certificate conform to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcing

Responsible Person's Name:		Responsible Person's Signature:	
KELLEN SPAFFORD		India Solar	
Date Signed:		Position/Title:	
8/22/17		PROJECT MANAGER	
Notes:	* 19		
and the second			

NOTE: This form should be completed, signed and submitted prior to request for final building inspection as required by the enforcing agency.

333 West Ocean Blvd., 4th Floor Long Beach, CA 90802

Page 2 of 2

Updated 04/18/2011 www.lbds.info City of Long Beach • VOC Content Verification Checklist • Form GRN-02

The following section shall be completed by a person with overall responsibility for the planning and design portion of the project. **DECLARATION STATEMENT** 

- I certify under penalty of perjury, under the laws of the State of California, the information provided is true and correct.
- I certify that the installed measures, materials, components, or manufactured devices identified on this certificate conform to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcing

Responsible Pe	erson's Name		3.5	Responsible Person's Signature:	
KELLEN	SPAFFOR			Inthe Sold	
Date Signed:		*		Position/Title:	
8/221	17			PROSECT MANAGER	
Notes:				5.5 / 5. ·	

NOTE: This form should be completed, signed and submitted prior to request for final building inspection as required by the enforcing agency.

333 West Ocean Blvd., 4th Floor Long Beach, CA 90802

Page 2 of 2

Updated 12/18/2016 www.lbds.info

Tale 70



Department of Development Services Building and Safety Bureau FORMALDEHYDE EMISSIONS VERIFICATION CHECKLIST **FORM GRN-03** 

(LARUCP)

Formaldehyde emissions verification of non-structural engineered wood, hardwood plywood, particleboard, and medium density fiberboard composite wood shall be identified on this checklist. Formaldehyde limits shall meet the limits specified in the 2016 Edition of the CALGreen Code. Attach product specification sheets and other supporting documents. Use additional sheets, if necessary.

Item #	Product Category (e.g. particleboard, hardwood plywood, etc.)	Location (e.g. bedroom, kitchen)	Product Manufacturer	Product Specification (e.g. model #)	Formaldehyde Content (in parts per million)	Formaldehyde Limit (in parts per million)
ND.1	Exterior MOOO	Exterior	T/M TERRAMAI "MISSION OAK!" ENG. VINTAGE	TBO	.05	. 05
MD.2	4000		RECLAIMED	Supplier	. 05	. 05
WD.3	INTERNA WOOD	,	+/M	TBD	. 05	.05
4	RTT A STATE			4,		
	,					

333 West Ocean Blvd., 4th Floor Page 1 of 2 Updated 03/12/2014 Long Beach, CA 90802 www.lbds.info TXBLE 301



Department of Development Services Building and Safety Bureau **VOC CONTENT VERIFICATION CHECKLIST** FORM GRN-02

(LARUCP)

VOC content verification of paints, coatings, carpets, cushions, resilient flooring, adhesives, sealants, and caulks shall be identified on this checklist. VOC limits shall meet the limits specified in the 2016 Edition of the CALGreen Code. Attach product specification sheets and other supporting documents. Use additional sheets, if necessary.

Item #	Product Category (e.g. paint, carpet, adhesive)	Location (e.g. bedroom, kitchen)	Product Manufacturer	Product Specification (e.g. model #)	VOC Content (in grams/liter) or Standard (e.g. Green Label Plus)	Allowable VOC Content (in grams/liters)
-ouc	Concrete	Fott	TBD	TBD	350	350
#H 1	MMS FLOORING	Folt	SILIKXL	CRYL:X QUARTZ #QT. 11	ø	50
EFL	Stucco	EXTERIOR	omega smooth cost	Light grey White	27	750
P+1 P+2	PSINT	FOH THERIOR	DUMN EDWARDS "Sporta Zero"	WHITE	ø.	250
**************************************	Mood	Exterior	TREX	Tropical	Ø	30
PARL	LAMINATE	Partitions	FORMICA	PECAT	35	250
TL1 TL2 TL-3	XXLL TILE XOHECIVE	INTERIOR EXTERIOR	MAPEI	ULTEABOND ECO 170	9.6	65

333 West Ocean Blvd., 4th Floor Page 1 of 2 Long Beach, CA 90802

Updated 12/12/2016 www.lbds.info



Department of Development Services Building and Safety Bureau STORM WATER POLLUTION CONTROL **FORM GRN-01** 



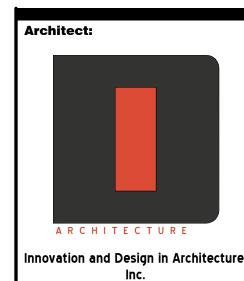
STORM WATER POLLUTION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES MINIMUM WATER QUALITY PROTECTION REQUIREMENTS FOR ALL CONSTRUCTION **PROJECTS** 

The following notes shall be incorporated in the approved set of construction documents and represents the minimum standards of good housekeeping that must be implemented on all construction projects. Construction means constructing, clearing, grading or excavation that result in soil disturbance. Construction includes structure teardown (demolition). It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility; emergency construction activities required to immediately protect public health and safety; interior remodeling with no outside exposure of construction material or construction waste to storm water; mechanical permit work; or sign permit work.

- 1. Eroded sediments and pollutants shall be retained on site and shall not be transported from the site via sheet flow, swales, area drains, natural drainage or wind.
- Stockpiles of earth and other construction-related materials shall be covered and/or protected from being transported from the site by wind or water.
- Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and shall not contaminate the soil nor the surface waters. All approved toxic storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of properly and shall not be washed into the drainage system.
- Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained on the project site.
- Excess or waste concrete may not be washed into the public way or any drainage system. Provisions shall be made to retain concrete waste on-site until it can be appropriately disposed
- Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of storm water and dispersal by wind.
- Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the street/public ways. Accidental depositions must be swept up immediately and may not be washed down by rain or by any other means.
- Retention basins of sufficient size shall be provided to retain storm water runoff on-site and shall be properly located to collect all tributary site runoff.
- Where retention of storm water runoff on-site is not feasible due to site constraints, runoff may be conveyed to the street and the storm drain system provided that an approved filtering system is installed and maintained on-site during the construction duration.

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Update: 03/12/2014 www.lbds.info



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neering Consultant:

Issue For: Project Status

09/05/18

REASON

PROJECT MANAGER:

PRINCIPAL IN CHARGE:

THE 908

LBX - LONG BEACH **EXCHANGE** 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP) Project Number:

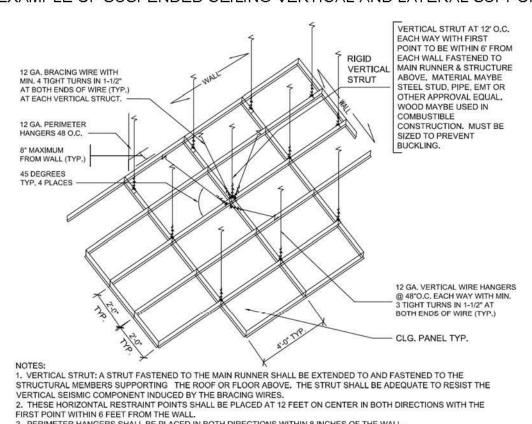
153-001-18 Sheet Title:

SPECIFICATIONS

Sheet Number:

#### City of Long Beach Information Bulletin BU-011 • Seismic Standard for Suspended Ceiling

## EXAMPLE OF SUSPENDED CEILING VERTICAL AND LATERAL SUPPORT



FIRST POINT WITHIN 6 FEET FROM THE WALL.

3. PERIMETER HANGERS SHALL BE PLACED IN BOTH DIRECTIONS WITHIN 8 INCHES OF THE WALL,

4. WHEN THE DISTANCE BETWEEN THE STRUCTURAL DECK AND THE CEILING EXCEEDS 4', THE SPACING OF THE VERTICAL HANGERS SHALL NOT EXCEED 2' O.C. ALONG THE ENTIRE LENGTH OF THE MEANS OF EGRESS SERVICING AN OCCUPANT LOAD OF 30 OR MORE, AND AT LOBBIES ACCESSORY TO GROUP A OCCUPANCIES.

3 of 4

City of Long Beach Information Bulletin BU-011 • Seismic Standard for Suspended Ceiling

(25 mm) of ceiling movement in all horizontal directions is permitted to be permitted to be provided at the top of the sprinkler head extension.

Sprinkler heads penetrating fire-resistance-rated floor/ceiling or roof/ceiling assemblies shall comply with Section 714.

1613.7.4 Special Requirements for Means of Egress. Suspended ceiling assemblies located along a means of egress serving an occupant load of 30 or more shall comply with the following provisions.

1613.7.4.1 General. Ceiling suspension systems shall be connected and braced with vertical hangers attached directly to the structural deck along the means of egress serving an occupant load of 30 or more and lobbies accessory to Group A Occupancies. Spacing of vertical hangers shall not exceed 2 feet (610 mm) on center along the entire length of the suspended ceiling assembly located along the means of egress or at the lobby.

1613.7.4.2 Assembly Device. All lay-in panels shall be secured to the suspension ceiling assembly with two hold-down clips minimum for each tile within a 4-foot (1219 mm) radius of the exit lights and exit signs.

1613.7.4.3 Emergency Systems. Independent supports and braces shall be provided for all appendages such as light fixtures, air diffusers, exit signs, and similar elements.

1613.7.4.4 Supports for Appendage. Separate support from the structural deck shall be provided for all appendages such as light fixtures, air diffusers, exit signs, and similar elements.

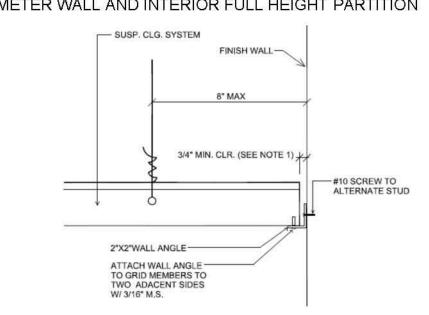
2 of 4

PERIMETER WALL AND INTERIOR FULL HEIGHT PARTITION

City of Long Beach

Information Bulletin BU-011 • Seismic Standard for Suspended Ceiling

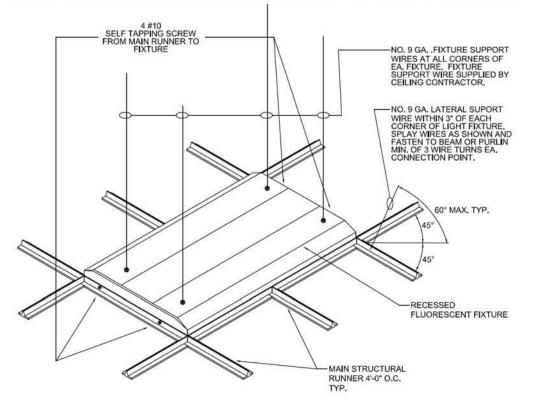
EXAMPLE OF SUSPENDED CEILING AT



NOTES:

1. A MINIMUM WALL ANGLE SIZE OF AT LEAST 2" HORIZONTAL LEG SHALL BE USED AT PERIMETER WALLS AND INTERIOR FULL HEIGHT PARTITION. THE FIRST TILE SHALL BE 3/4" CLEAR FROM WALL SURFACE.

EXAMPLE OF SUSPENDED CEILING LIGHT FIXTURE ATTACHMENT



4 of 4



City of Long Beach Department of Development Services Building and Safety Bureau **Seismic Standard for Suspended** 

Bulletin BU-011 Ceiling

Eff: 01-01-2008 Rev: 04-04-2017

Information

The purpose of this Informational Bulletin is to alert designers of the specific amendment that the City of Long Beach has made to the 2016 California Building Code to address the lack of adequate design requirements for suspended ceiling assemblies to account for seismic load. It is through the experience of prior earthquakes, such as the 1994 Northridge Earthquake, that this amendment is adopted so as to minimize the amount of bodily and building damage within the spaces in which this type of ceiling assemblies will be installed.

When suspended ceiling assemblies are required to comply with Section 18.40.100 of the Long Beach Municipal Code, designers are recommended to submit construction documents and specifications to the Department for review and approval prior to the installation. The construction documents should clearly identify all suspended ceiling systems to be used and the location where it will be installed. Supporting details, light fixture attachments, lateral bracing, partition supports, and all other pertinent details should be provided on the construction documents to illustrate compliance with the Code.

Section 18.40.100 of the Long Beach Municipal Code added Section 1613.7 to the 2016 California Building Code. This section of the Long Beach Municipal Code is repeated herein as follows:

## 18.40.100 Added CBC 1613.7 – Suspended ceiling.

Section 1613.7 is added to Chapter 16 of the 2016 California Building Code to read as follows:

1613.7 Suspended Ceilings. Minimum design and installation standards for suspended ceilings shall be determined in accordance with the requirements of Section 2506.2.1 of this Code and this Subsection.

1613.7.1 Scope. This part contains special requirements for suspended ceilings and lighting systems. Provisions of Section 13.5.6 of ASCE 7 shall apply except as modified

1613.7.2 General. The suspended ceilings and lighting systems shall be limited to 6 feet below the structural deck unless the lateral bracing is designed by a licensed engineer or architect.

1613.7.3 Sprinkler Heads. All sprinkler heads (drops) except fire-resistance-rated floor/ceiling or roof/ceiling assemblies, shall be designed to allow for free movement of the sprinkler pipes with oversize rings, sleeves or adaptors through the ceiling tile. Sprinkler heads and other penetrations shall have a 2-inch (50 mm) oversizing ring, sleeve or adapter through the ceiling tile to allow for free movement of at least 1-inch (25 mm) in all horizontal directions. Alternatively, a swing joint that can accommodate 1-inch

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eering Consultant:

Issue For: Project Status

Issue Date:

09/05/18 REASON

PRINCIPAL IN CHARGE:

PROJECT MANAGER:

M.WALSH

THE 908

LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP)

Project Number: 153-001-18 Sheet Title:

CEILING SPECIFICATIONS

Sheet Number:

		FIN	NISH SCHEDULE		
MARK RT-1	DESCRIPTION CUSTOM PRINTED	MANUFACTURER / REP. MDC Wallcoverings/Sheri	MODEL CUSTOM ARTWORK	ESTIMATED LEAD TIME	COMMENTS
RT-2	WALLPAPER - BAR CUSTOM PRINTED	Black/sblack@mdcwall.com  MDC Wallcoverings/Sheri	CUSTOM ARTWORK		
RT-3	WALLPAPER - DINING CUSTOM PRINTED WALLPAPER - HALLWAY	Black/sblack@mdcwall.com  MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		
RT-4	CUSTOM PRINTED WALLPAPER - RESTROOM	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		
ON-2	PAINTED CONCRETE	TBD	CUSTOM ARTWORK AND PAINT TO MATCH PT-1 COLOR SPECIFICATION		SEE FLOOR FINISH PLAN
CT-1	24 x 48 ACT	ARMSTRONG	KITCHENZONE 24x48" SQUARE LAY-IN # 672;		
1-3 1MA-1	PORCELAIN SLAB	DEKTON/JOSE FERNANDO ARAN AGUILA/JFARAN@CONSENTINO.COM	712-I110204 SAND DRIFT		PATIO TABLETOPS
1TL-1	METAL	COMMODITY / CPS GARTEN/LETICIA CASTANEDA/LETICIA@CPSGARTEN. COM	COMMODITY TO MATCH / CHEMETAL - 337 AGED BRASS		GC TO QUOTE CHEMETAL AND COMMODITY FOR OWNER AND ARCHITECT REVIEW. GC TO FINAL SUBMIT SAMPLE TO ARCHITECT FOR APPROVAL
/ITL-2	METAL	COMMODITY BY G.C.			GC to coordinate with architect for final specifications and approval of final samples.
1TL-3	METAL LAMINATE	CHEMETAL/LETICIA CASTANEDA/LETICIA@CPSGARTEN. COM	#618 Black & Tan Aluminum		MILLWORK
PL-1	PLASTIC LAMINATE	PANOLAM/SANDRA TODD/SANDRA_TODD@PANOLAM.C OM	S6053-LR JETT BLACK SOFT LEATHER FINISH		MILLWORK & TABLETOPS
PT-1	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.C OM	DEC793 CHALKY		SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS
T-2	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.C OM	DE6363 POINTED ROCK		SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS
PT-3	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.C OM	DEA184 PARISIAN NIGHT		SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS
PT-4	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.C OM	DE6371 BLACKJACK		SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS
PT-5	PAINT	SCUFFMASTER/Anne Konie/Anne.Konie@wolfgordon.com	TBD		OTROOTORE - GEGGG
PT-6	PAINT	TIGER DRY-LAC	CUSTOM POWDER COAT TO MATCH PT-4		WALL BASE GC TO USE CERTIFIED INSTALLER
S-1	LARGE FORMAT PORCELAIN SLAB	PORCELANOSA/JANEL HAHN/JHAHN@PORCELANOSA-USA. COM	AURA GOLD POLISHED		
SS-2	SOLID SURFACE	CAMBRIA/KELLY CAMPISI/KELLY.CAMPISI@CAMBRIAU SA.COM	6200 OXWICH GREEN; 2CM POLISHED W/ RIDGELINE EDGE PROFILE		RESTROOM VANITY & WALL CLADDING
L-1	CERAMIC TILE	ROCA/SEBASTIAN PELAEZ/SEBASTIAN.PELAEZ@US.RO CA.COM	COLOR COLLECTION BRIGHT BLACK; 4X10		GROUT: MAPEI 00 WHITE
L-2	PORCELAIN TILE	ROCA/SEBASTIAN PELAEZ/SEBASTIAN.PELAEZ@US.RO CA.COM	CC MOSAICS 2X4 U081BV-12M WHITE ICE BRIGHT BEVELED		GROUT: MAPEI O1 BLACK
L-3	PORCELAIN TILE	CROSSVILLE/MONICA FARLEY/MFARLEY@CROSSVILLEINC. COM	SHADES - INK UPS AV249 24x24		4" RAISED CURB; GROUT: MAPEI 01 BLACK
X-1	BLUE VINYL	APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTILES.C OM	SGL-108 GLAZE REGATTA		
X-3	BLACK VINYL	APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTILES.C OM	CAR00975 CARTHAGE BLACK		
X-6	GREEN/YELLOW UPHOLSTERY	PALLAS/MARY DAVIS/MARY.DAVIS@PALLASTEXTIL ES.COM	27.251.085 SUJI STRIPE PARROT		
X-9	GREY VINYL	TRI-KES/TINA CARRILLO/T.CARRILLO@TRI-KES.CO M	UHN-ES-05 GREY EAGLE		
/D-1	MILLWORK WOOD FINISH	COMMODITY BY G.C.	MAPLE OR BIRCH PLAIN SAWN W/ COLORED STAIN TO MATCH WILSONART HARVEST MAPLE 7953		GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS
VD-2	VENEER WOOD	WOLF GORDON/ANNE KONIE/ANNE.KONIE@WOLFGORDON. COM	GOH11722922 - WVF108 RED GUM, QTD MATTE CLEAR FINISH FOR TABLETOP USE		GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS
WD-3	EXTERIOR FAUX WOOD	TREX	Enhance, Clam Shell		GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS

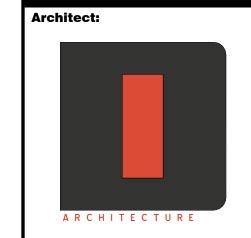
#### MATERIAL NOTES:

1. CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1 IN ACCORDANCE WITH CFC 807.2 OR BE NONCOMBUSTIBLE.

2. ACCEPTANCE CRITERIA AND REPORTS. WHERE REQUIRED TO EXHIBIT IMPROVED FIRE PERFORMANCE, CURTAINS, DRAPERIES, FABRIC HANGINGS AND OTHER SIMILAR COMBUSTIBLE DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL BE FLAME RESISTANT IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1, CHAPTER 8. REPORTS OF TEST RESULTS SHALL BE PREPARED IN ACCORDANCE WITH THE TEST METHOD USED AND FURNISHED TO THE FIRE CODE OFFICIAL UPON REQUEST. (CFC 807.4)

3. WALL, FLOOR AND CEILING SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC T -803.3

4. IN EVERY GROUP A OCCUPANCY, ALL DRAPES, HANGINGS, CURTAINS, DROPS, AND ALL OTHER DECORATIVE MATERIAL, INCLUDING CHRISTMAS TREES, THAT WOULD TEND TO INCREASE THE FIRE AND PANIC HAZARD SHALL BE MADE FROM A NONFLAMMABLE MATERIAL, OR SHALL BE TREATED AND MAINTAINED IN A FLAME-RETARDANT CONDITION BY MEANS OF A FLAME-RETARDANT SOLUTION OR PROCESS APPROVED BY THE STATE FIRE MARSHAL. EXITS, EXIT LIGHTS, FIRE ALARM SENDING STATIONS AND FIRE EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED, IN WHOLE OR IN PART, BY ANY DECORATIVE MATERIAL. (T -19, DIV. 1, CHAPTER 1, SUBCHAPTER 1, ARTICLE 3, SECTION 3.08)



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**Engineering Consultant:** 

Project Owner:

THE 908

LBX - LONG BEACH EXCHANGE 3850 WORSHAM BOULEVARD SUITE 410, BUILDING (TYP)

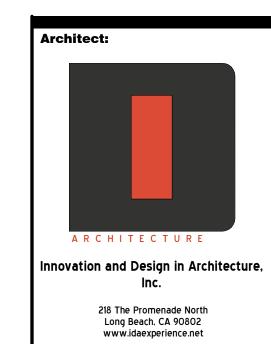
153-001-18

MATERIAL SCHEDULE

	MATERIAL SCHEDULE_1						
MARK	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS		MATERIAL AREA	
ART-1	CUSTOM PRINTED WALLPAPER - BA	AR MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		410 SF		
ART-2	CUSTOM PRINTED WALLPAPER - DINING	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		246 SF		
ART-3	CUSTOM PRINTED WALLPAPER - HALLWAY	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		156 SF		
ART-4	CUSTOM PRINTED WALLPAPER - RESTROOM	MDC Wallcoverings/Sheri Black/sblack@mdcwall.com	CUSTOM ARTWORK		843 SF		
CON-2	PAINTED CONCRETE	TBD	CUSTOM ARTWORK AND PAINT TO MATCH PT-1 COLOR SPECIFICATION	SEE FLOOR FINISH PLAN	357 SF		
CT-1	24 x 48 ACT	ARMSTRONG	KITCHENZONE 24x48" SQUARE LAY-IN # 672		669 SF		
M-3	PORCELAIN SLAB	DEKTON/JOSE FERNANDO ARAN AGUILA/JFARAN@CONSENTINO.COM	712-I110204 SAND DRIFT	PATIO TABLETOPS	240 SF		
MMA-1					1169 SF		
MTL-1	METAL	COMMODITY / CPS GARTEN/LETICIA CASTANEDA/LETICIA@CPSGARTEN.COM	COMMODITY TO MATCH / CHEMETAL - 337 AGED BRASS	GC TO QUOTE CHEMETAL AND COMMODITY FOR OWNER AND ARCHITECT REVIEW. GC TO FINAL SUBMIT SAMPLE TO ARCHITECT FOR APPROVAL	1520 SF		
MTL-2	METAL	COMMODITY BY G.C.		GC to coordinate with architect for final specifications and approval of final samples.	3290 SF		
MTL-3	METAL LAMINATE	CHEMETAL/LETICIA CASTANEDA/LETICIA@CPSGARTEN.COM	#618 Black & Tan Aluminum	MILLWORK	17 SF		
PL-1	PLASTIC LAMINATE	PANOLAM/SANDRA TODD/SANDRA_TODD@PANOLAM.COM	S6053-LR JETT BLACK SOFT LEATHER FINISH	MILLWORK & TABLETOPS	384 SF		

	MATERIAL SCHEDULE_1							
MARI	K DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS	MATERIAL AREA			
PT-1	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DEC793 CHALKY	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	934 SF			
PT-2	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DE6363 POINTED ROCK	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	3545 SF			
PT-3	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DEA184 PARISIAN NIGHT	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	972 SF			
PT-4	PAINT	DUNN EDWARDS/LARRY LOO/LARRY.LOO@DUNNEDWARDS.COM	DE6371 BLACKJACK	SHEEN: SOFFITS & CEILINGS - LOW SHEENS; WALLS - EGGSHELL; DECK & STRUCTURE - GLOSS	2108 SF			
PT-5	PAINT	SCUFFMASTER/Anne Konie/Anne.Konie@wolfgordon.com	TBD		2030 SF			
PT-6	PAINT	TIGER DRY-LAC	CUSTOM POWDER COAT TO MATCH PT-4	WALL BASE GC TO USE CERTIFIED INSTALLER	11763 SF			
SS-1	LARGE FORMAT PORCELAIN SLAB	PORCELANOSA/JANEL HAHN/JHAHN@PORCELANOSA-USA.COM	AURA GOLD POLISHED		548 SF			
SS-2	SOLID SURFACE	CAMBRIA/KELLY CAMPISI/KELLY.CAMPISI@CAMBRIAUSA.COM	6200 OXWICH GREEN; 2CM POLISHED W/ RIDGELINE EDGE PROFILE	RESTROOM VANITY & WALL CLADDING	243 SF			
TL-1	CERAMIC TILE	ROCA/SEBASTIAN PELAEZ/SEBASTIAN.PELAEZ@US.ROCA.COM	COLOR COLLECTION BRIGHT BLACK; 4X10	GROUT: MAPEI 00 WHITE	889 SF			
TL-2	PORCELAIN TILE	ROCA/SEBASTIAN PELAEZ/SEBASTIAN.PELAEZ@US.ROCA.COM	CC MOSAICS 2X4 U081BV-12M WHITE ICE BRIGHT BEVELED	GROUT: MAPEI O1 BLACK	528 SF			

	MATERIAL SCHEDULE_1					
MARK	DESCRIPTION	MANUFACTURER/DISTRIBUTOR	MODEL/STYLE	COMMENTS	MATERIAL AREA	
TL-3	PORCELAIN TILE	CROSSVILLE/MONICA FARLEY/MFARLEY@CROSSVILLEINC.COM	SHADES - INK UPS AV249 24x24	4" RAISED CURB; GROUT: MAPEI 01 BLACK	213 SF	
TX-1	BLUE VINYL	APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTILES.COM	SGL-108 GLAZE REGATTA		186 SF	
TX-3	BLACK VINYL	APPIAN TEXTILES/CHRIS GOWER/CHRIS@APPIANTEXTILES.COM	CAR00975 CARTHAGE BLACK		513 SF	
TX-6	GREEN/YELLOW UPHOLSTERY	PALLAS/MARY DAVIS/MARY.DAVIS@PALLASTEXTILES.COM	27.251.085 SUJI STRIPE PARROT		749 SF	
TX-9	GREY VINYL	TRI-KES/TINA CARRILLO/T.CARRILLO@TRI-KES.COM	UHN-ES-05 GREY EAGLE		1599 SF	
WD-1	MILLWORK WOOD FINISH	COMMODITY BY G.C.	MAPLE OR BIRCH PLAIN SAWN W/ COLORED STAIN TO MATCH WILSONART HARVEST MAPLE 7953	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS		
WD-2	VENEER WOOD	WOLF GORDON/ANNE KONIE/ANNE.KONIE@WOLFGORDON.COM	GOH11722922 - WVF108 RED GUM, QTD MATTE CLEAR FINISH FOR TABLETOP USE	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS		
WD-3	EXTERIOR FAUX WOOD	TREX	Enhance, Clam Shell	GC/MILLWORKER TO PROVIDE QUOTE & PROVIDE SAMPLE TO ARCHITECT FOR APPROVAL FOR BOTH WOOD SPECIES OPTIONS		



Geoffrey B. Lim

aia, ncarb, leed ap

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**Engineering Consultant:** 

Issue For:
Project Status
Issue Date:
09/05/18

REASON

PROJECT MANAGER:

THE 908

LBX - LONG BEACH
EXCHANGE
3850 WORSHAM
BOULEVARD
SUITE 410, BUILDING (TYP)
Project Number:

153-001-18 Sheet Title:

MATERIAL SCHEDULE

AN600A