ABBREVIATIONS

A	AMPERES	CH or ⊏	CHANNEL	EXH.	EXHAUST
A.B.	ANCHOR BOLT	CKT. BKR.	CIRCUIT BREAKER	EXIST. or E	EXISTING
A.F.F.	ABOVE FINISHED FLOOR	CL or ℄	CENTERLINE	EXT.	EXTERIOR
A.F.G.	ABOVE FINISHED GRADE	CLG.	CEILING	F.A.	FIRE ALARM
A/C	AIR CONDITIONING	CLKG.	CAULKING	F.C.	FAN COIL
ABC	AGGREGATE BASE COURSE	CLO.	CLOSET	F.C.O.	FLOOR CLEAN OUT
ABS	ACRYLONITRILE-BUTADIENE-STYRENE	CLR.	CLEAR	F.D.	FLOOR DRAIN
ABV.	ABOVE	CMU	CONCRETE MASONRY UNIT	F.E.	FIRE EXTINGUISHER
ACB	ASBESTOS-CEMENT BOARD	CNTRD.	CENTERED	F.N.	FIELD NAILING
ACOU.	ACOUSTIC	COL.	COLUMN	F.O.	FACE OF
ACT	ACOUSTICAL CEILING TILE	COMB.	COMBINATION	F.S.	FLOOR SINK
ADD.	ADDITION or ADDENDUM	CONC.	CONCRETE	F/G	FIBERGLASS
AG	ABOVE GRADE	CONST.	CONSTRUCTION	FAB.	FABRICATE
AHU	AIR HANDLER UNIT	CONT.	CONTINUOUS	FACP	FIRE ALARM CONTROL PANEL
AL. or ALUM.	ALUMINUM	CONTR.	CONTRACTOR	FDC	FIRE DEPARTMENT CONNECT
ALT.	ALTERNATE	CU	COPPER	FDN.	FOUNDATION
ANL	ANNEALED	d	PENNY	FHC	FIRE HOSE CABINET
ASPH.	ASPHALT	D.F.	DRINKING FOUNTAIN	FIN.	FINISH
AVG	AVERAGE	D.G.	DECOMPOSED GRANITE	FL	FLOOR
AWG	AMERICAN WIRE GAUGE	D.S.	DOWN SPOUT	FLG.	FLOORING
∠	ANGLE	D/W	DISHWASHER	FLUOR.	FLUORESCENT
B.M.	BENCH MARK	DBL.	DOUBLE	FP	FIRE PROOF
B.N.	BOUNDARY NAILING	DEMO	DEMOLITION	FTG.	FOOTING
B.O.	BOTTOM OF	DIA. or Ø	DIAMETER	FURN.	FURNISH
B.O.F.	BOTTOM OF FOOTING	DIAG.	DIAGONAL	G.I.	GALVANIZED IRON
B.U.	BUILT UP	DIM.	DIMENSION	GA.	GAUGE
B/C	BACK OF CURB	DL	DEAD LOAD	GALV.	GALVANIZED
BD.	BOARD	DN.	DOWN	GAR.	GARAGE
BLDG	BUILDING	DR	DOOR	GFI	GROUND FAULT INTERRUPTER
BLK.	BLOCK	E.A.	EXPANSION ANCHOR	GFI	" " " "CIRCUIT INTERRUPTER
BLKG.	BLOCKING	E.F.	EXHAUST FAN	GL	GLASS
BM.	BEAM	E.J.	EXPANSION JOINT	GLB	GLUE LAMINATED BEAM
BR	BRASS	E.N.	END NAILING	GM	GRADE MARK
BRG.	BEARING	E.W.	EACH WAY	GM	GATE VALVE
BRZ	BRONZE	EA.	EACH	GRC	GALVANIZED RIGID TUBING
C.A.P.	CONCRETE ASBESTOS PIPE	EL	ELEVATION	GYP.	GYPSUM
C.D.	CONSTRUCTION DOCUMENTS	ELECT.	"ELECTRIC, ELECTRICAL"	GYP. BD.	GYPSUM BOARD
C.I.P.	CAST IN PLACE	ELEV.	ELEVATOR	H.B.	HOSE BIBB
C.J.	CONTROL JOINT	EMC	ELECTRICAL METALLIC CONDUIT	H.C.	HOLLOW CORE
C.O.	CLEAN OUT	EMT	ELECTRICAL METALLIC TUBING	H.M.	HOLLOW METAL
C.T.	CERAMIC TILE	ENT	ELECTRICAL NON-METALLIC TUBING	H/C	HANDICAPPED
CAB	CABINET	EQ.	EQUAL	HDBD.	HARDBOARD
CAM.	CAMBER	EQUIP.	EQUIPMENT	HDW	HARDWARE
CCTV	CLOSED CIRCUIT TELEVISION	EST.	ESTIMATE	HGT.	HEIGHT
CEM.	CEMENT	EVAP.	EVAPORATIVE COOLER	HOR.	HORIZONTAL
CER	CERAMIC	EWC	ELECTRIC DRINKING COOLER	HTR	HEATER
CFM	CUBIC FEET PER MINUTE	EXC	EXCAVATE	HVAC	"HEATING, VENTILATING AIR CONDITIONING"
HW	HOT WATER	OPPO.	OPPOSITE	T.O.J.	TOP OF JOIST
HYD.	HYDRAULIC	P.C.	PRECAST CONCRETE	T.O.M.	TOP OF MASONRY
I.C.	INTERCOM OUTLET	P.L. or ℄	PROPERTY LINE	T.O.S.	TOP OF SLAB
I.D.	INSIDE DIAMETER	P.LAM.	PLASTIC LAMINATE	T.O.W.	TOP OF WALL
I.F.	INSIDE FACE	P.O.C.	POINT OF CONNECTION	T.S.	TUBE STEEL
ID	IDENTIFICATION	PERF.	PERFORATED	T.V.	TELEVISION OUTLET
IG	ISOLATED GROUND	PERP. or⊥	PERPENDICULAR	TEL.	TELEPHONE
IMC	INTERMEDIATE METALLIC CONDUIT	PH or Ø	PHASE	TH.	THRESHOLD
IMPG	IMPREGNATED	PL.	PLASTER	THD.	THREADED
INCL.	"INCLUDE, INCLUSIVE"	PL. or ℄	PLATE	THK.	THICK
INSUL.	INSULATION	PLAS.	PLASTIC	THRU	THROUGH
INT.	INTERIOR	PLUMB.	PLUMBING	TLT.	TOILET
J-BOX	JUNCTION BOX	PLYWD.	PLYWOOD	TRANS.	TRANSFORMER
JCT	JUNCTION	PORC.	PORCELAIN	TYP.	TYPICAL
JST.	JOIST	PREFAB.	PREFABRICATED	UNF.	UNFINISHED
JT.	JOINT	PSF	POUNDS PER SQUARE FOOT	UR	URINAL
K-D	KNOCK DOWN	PSI	POUNDS PER SQUARE INCH	V.B.	VAPOR BARRIER
KD	KILN DRIED	PTN.	PARTITION	V.I.F.	VERIFY IN FIELD
KO	KNOCK OUT	PVC	POLYVINYLCLORIDE	VA	VOLT AMPERE
L.E.D.	LIGHT EMITTING DIODE	PWR.	POWER	VCT	VINYL COMPOSITION TILE
L.FT.	LINEAR FEET	Q.T.	QUARRY TILE	VERT.	VERTICAL
LAM	LAMINATE	QTY.	QUANTITY	W/C	WATER CLOSET
LAT.	LATERAL	R	RADIUS	WDW	WINDOW
LAV	LAVATORY	R.D.L.	ROOF DRAIN LEADER	WCT	WAINSCOT
LD.	LEAD	R.D.O.	ROOF DRAIN OVERFLOW	WP	WEATHER PROOF
LIN.	LINEAR	R.O.	ROUGH OPENING	WT.	WEIGHT
LINO.	LINOLEUM	R.O.W. or R/W	RIGHT OF WAY	W/	WITH
LT.	LIGHT	REF	REFRIGERATOR	W/O	WITHOUT
LTG.	LIGHTING	REF.	REFERENCE	WD.	WOOD
LVL	LAMINATED VENEER LUMBER	REINF.	REINFORCED	W.I.	WROUGHT IRON
M.B.	MACHINE BOLT	REQ'D.	REQUIRED	YD.	YARD
M.H.	MANHOLE	RET.	RETURN		
M.I.	MALLEABLE IRON	REV.	REVISION		
M.O.	MASONRY OPENING	RM	ROOM		
MAR.	MARBLE	RMV.	REMOVE		
MAS.	MASONRY	S.C.	SOLID CORE		
MAT'L	MATERIAL	S.D.	SMOKE DETECTOR		
MAX.	MAXIMUM	S.O.V.	SHUT OFF VALVE		
MECH.	MECHANICAL	S/L	SKYLIGHT		
MED.	MEDIUM	S/S	STAINLESS STEEL		
MFG.	MANUFACTURING	SC	SELF CLOSING		
MFR.	MANUFACTURER	SCHED.	SCHEDULE		
MIN.	MINIMUM	SECT.	SECTION		
MISC.	MISCELLANEOUS	SES	SERVICE ENTRANCE SECTION		
MOD	MODULAR	SH	SHEET		
MTL.	METAL	SHT'G.	SHEATHING		
MUL	MULLION	SIM.	SIMILAR		
N.I.C.	NOT IN CONTRACT	SPA.	SPACE		
N.T.S.	NOT TO SCALE	SPECS	SPECIFICATIONS		
NCM	NON-CORROSIVE METAL	SPKR.	SPEAKER		
NFC	NOT FOR CONSTRUCTION	SQ. FT.	SQUARE FEET		
NLR.	NAILER	SQ. IN.	SQUARE INCHES		
NO.	NUMBER	STC	SOUND TRANSMISSION CLASS		
NOM.	NOMINAL	STD.	STANDARD		
O.C.	ON CENTER	STL.	STEEL		
O.D.	OUTSIDE DIAMETER	SUSP.	SUSPENDED		
O.H.	OVER HANG	SW	SWITCH		
O.I.	ORNAMENTAL IRON	SYM	SYMMETRICAL		
O.R.	OUTSIDE RADIUS	SYS.	SYSTEM		
OAI	OUTSIDE AIR INTAKE	T & G	TONGUE AND GROOVE		
OH	OVER HEAD	T.B.	THROUGH BOLT		
OPNG.	OPENING	T.M.B.	TELEPHONE MOUNTING BOARD		
		T.O.	TOP OF		
		T.O.B.	TOP OF BEAM		
		T.O.C.	TOP OF CURB		
		T.O.F.	TOP OF FOOTING		

REVIEWED BY
MAK FIRE PROTECTION, PLAN CHECK SERVICES
DATE 4/21/23 REVIEWER

☒Subject to field inspection approval the stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any County/City Ordinance or State Law.

PROPOSED INSTALLATION ACCEPTABLE

☐ AS NOTED

BASED ON INFORMATION SHOWN SUBJECT TO INSPECTIONS & TESTS

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791
APN: 8455-022-023

PROJECT DESCRIPTION

OPTIONS FOR YOUTH(OFY), A PUBLIC CHARTER SCHOOL PROGRAM, IS HOPING TO LEASE A 6,878 SQUARE FOOT EXISTING COMMERCIAL SPACE AT 131 N. AZUSA AVE., WEST COVINA, CA 91791 TO BE USED AS AN INDEPENDENT STUDY LEARNING CENTER. THE OFY PROGRAM IS A PUBLICLY FUNDED CHARTER SCHOOL COMPLIANT WITH STATE ADA REGULATIONS TO SERVE STUDENTS IN GRADES 9-12.

AS A REGISTERED ACTIVE CHARTER SCHOOL WITH THE CALIFORNIA DEPARTMENT OF EDUCATION (CDE), OPTIONS FOR YOUTH IS ACCREDITED BY THE WESTERN ASSOCIATION OF SCHOOLS AND COLLEGES (WASC). STUDENTS WHO ATTEND OFY EARN COURSE CREDITS AND ARE ENROLLED AT OFY UNTIL EITHER THEY TRANSFER BACK TO A TRADITIONAL SCHOOL OR GRADUATE FROM OFY WITH A HIGH SCHOOL DIPLOMA.

OFY STUDENTS ATTEND SCHOOL FOR (2) ONE-HOUR APPOINTMENTS PER WEEK. DURING THESE APPOINTMENTS, STUDENTS RECEIVE THEIR CURRICULUM FROM THEIR TEACHERS. ADDITIONALLY, STUDENTS ARE ABLE TO ATTEND SMALL GROUP INSTRUCTION CLASSES, TAKE TESTS, MEET WITH A COLLEGE ADVISORS, AND, IF NEEDED, RECEIVE ADDITIONAL INSTRUCTION FROM A TUTOR. STUDENTS ARE REQUIRED TO STUDY AND COMPLETE COURSEWORK INDEPENDENTLY OFFSITE FOR 4-6 HOURS EACH DAY. DUE TO THE INDEPENDENT STUDY MODEL, OFY DOES NOT PROVIDE TRANSPORTATION, FOOD SERVICE, GYMNASIUMS, OR PLAYGROUND FACILITIES TO STUDENTS AT EACH LEARNING CENTER. ADDITIONALLY, A MAJORITY OF THE STUDENTS UTILIZE PUBLIC TRANSPORTATION TO COMMUTE TO AND FROM THE CENTER. THIS GREATLY REDUCES THE PARKING LOAD REQUIRED FOR EACH CENTER. CURRENTLY, MANY CENTERS THROUGHOUT SOUTHERN CALIFORNIA OPERATE WITH MINIMAL PARKING WITHOUT ANY ADVERSE EFFECTS TO ATTENDANCE OR THE SURROUNDING AREA.

PROJECTED STAFF (3 TEACHERS WITH 1 SUPPORT STAFF). EACH TEACHER SERVES A MAXIMUM OF 8 STUDENTS PER 1 HOUR APPOINTMENTS.
STUDENT APPOINTMENTS ARE AT 8AM, 9AM, 10AM 11AM, 1PM AND 2PM WITH A LUNCH BETWEEN 12PM-1PM WHERE THE CENTER IS CLOSED.
EACH STUDENT IS SCHEDULED 2 DAYS A WEEK: MONDAY/WEDNESDAY OR TUES/THURSDAY, AND FRIDAY BY APPOINTMENTS ONLY, WHEN NECESSARY.
A TOTAL OF 16 STAFF MEMBERS ARE ON ROTATING SCHEDULES.

OFY CENTERS ARE OPEN MONDAY - FRIDAY FROM 8AM - 5PM, CLOSED FOR LUNCH FROM 12PM-1PM, AND CLOSED MOST SATURDAYS AND ALL SUNDAYS.
ADDITIONALLY, OFY OFFERS SATURDAY SCHOOL INTERMITTENTLY FOR SAT AND CASHEE PREP TESTING FROM 9AM - 12PM.

OFY CURRENTLY OPERATES SEVERAL LEARNING CENTERS IN THE SAN BERNARDINO, LOS ANGELES AND SACRAMENTO COUNTIES OF CALIFORNIA, THE VAST MAJORITY OF WHICH ARE IN LOS ANGELES COUNTY. GRADUATING STUDENTS WILL RECEIVE AN ACCREDITED DIPLOMA, WHICH WOULD BE ELIGIBLE FOR ATTENDANCE AT COMMUNITY COLLEGES, TECHNICAL SCHOOL, AND 4 YEAR UNIVERSITIES. OFY SCHOOLS HAVE DEMONSTRATED HIGH LEVELS OF SUCCESS WITH ITS STUDENT POPULATION; CREATING EDUCATED AND RESPECTFUL MEMBERS OF THE GREATER COMMUNITY.

PROJECT DATA

TENANT:
OPPORTUNITIES FOR LEARNING
715 ARROW GRAND CIRCLE
COVINA, CA 91722

BROOKE RICHARDS, PROJECT MANAGER
TEL: (626) 590-4897
EMAIL: BROOKERICHARDS@LUPINEPROPERTIES.COM

SCOPE OF WORK

1. CHANGE OF USE FROM M OCCUPANCY TO E OCCUPANCY
2. ADD NEW NON-STRUCTURAL METAL STUD WALLS
3. ADD NEW SERVICE SINK IN NEW JANITOR ROOM
4. ADD NEW CABINET WITH SINK IN SCIENCE LAB
5. PROVIDE NEW ADA COMPLIANT RESTROOM
6. PROVIDE NEW ADA COMPLIANT DRINKING FOUNTAIN
7. PROVIDE NEW 3'0 X 6'8 DOORS TO ALL ROOMS

ARCHITECTURAL GENERAL NOTES

1. GENERAL NOTES PERTAIN TO ALL DRAWINGS.
2. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL OR CENTERLINE OF COLUMN, UNLESS OTHERWISE NOTED.
3. PROVIDE ALL WOOD BLOCKING AS REQUIRED FOR THE ATTACHMENT OF MISCELLANEOUS EQUIPMENT INCLUDING BUT NOT LIMIT TO, TOILET ACCESSORIES, DOOR HARDWARE, ELECTRICAL DEVICES, EQUIPMENT INDICATED, GRAB BARS, HANDRAILS, AND CASEWORK, 16 GA. GALVANIZED SHEET METAL CAN BE USED AS BLOCKING.
4. TRANSITION OF DIFFERENT FLOORING MATERIALS AT DOORWAYS SHALL OCCUR AT CENTERLINE OD DOORS.
5. ALL NEW DOORS FRAMES ARE TO BE 4" FROM ADJUDICATE FINISHED WALL SURFACE AT DOOR HINGE U.N.O. DIMENSION FOR OPENINGS WITH DOORS ARE TO FACE OF DOOR JAMB, DIMENSION FOR OPENINGS WITHOUT DOORS ARE TO FACE OF WALL.
6. PROVIDE CONTROL JOINTS IN GYPSUM WALLBOARD AS RECOMMENDED BY WALLBOARD MANUFACTURER AND COORDINATE LOCATION WITH ARCHITECT. (APPROX. 30' O.C.)
7. ALL CUTTING AND PATCHING AS A RESULT OF NEW CONSTRUCTION SHALL BE PERFORMED IN A WORKMANLIKE MANNER, AND SHALL MATCH IN COLOR, SHAPE, SIZE & TEXTURE ADJACENT AND/OR CONTIGUOUS FINISHED SURFACES. PAINT ALL CUT AND PATCHED SURFACES AS SPECIFIED.
8. PAINT ALL WALL SURFACES, DOOR FRAMES, BULKHEADS & CEILINGS IN AREAS INDICATED ON ROOM FINISH SCHEDULE, PAINT BEHIND ALL MOVEABLE ITEMS AND ADJACENT TO SURFACES RECEIVING PAINT AND RELOCATED ITEMS.
9. ALL PRODUCTS UTILIZED IN THIS CONSTRUCTION SHALL BE ASBESTOS FREE.
10. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR CLEANING AND DISPOSAL REQUIREMENTS.
11. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING APPLICABLE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS AND AS PERTINENT TO THE INTENT OF THESE DRAWINGS, ANY DISCREPANCY DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY, OR RELATED TO, SUCH DISCREPANCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH OR CAUSED BY FAILURE TO COMPLY WITH THE REQUIREMENTS.
12. THE CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH ALL ASPECTS OF THE WORK, EVEN THOSE AREAS DESIGNATED TO BE PROVIDED BY OTHERS, THE FAMILIARIZATION INCLUDES FULL AND COMPLETE UNDERSTANDING OF THE WORK DESCRIBED ON ALL SHEETS OF THE DRAWINGS AND ALL SECTIONS OF THE SPECIFICATIONS, FAILURE BY THE CONTRACTOR TO BECOME COMPLETELY FAMILIAR AND COGNIZANT OF ALL ASPECTS OF THE WORK SHALL NOT RELIVE THE CONTRACTOR OF THE RESPONSIBILITY TO PROVIDE MATERIALS, ASSEMBLIES, OR SERVICE INDICATED IN THE CONTRACT DOCUMENT.
13. NOTHING IN THESE DRAWINGS SHALL RELEASE THE CONTRACTOR FROM RESPONSIBILITY TO PROVIDE APPROPRIATE QUANTITIES, FIELD MEASUREMENTS, DIMENSIONAL STABILITY, INSTALLATION, ANCHORAGE, AND COORDINATION WITH OTHER TRADES, OR WAIVE THE CONTRACTORS RESPONSIBLY TO IDENTIFY AND RESOLVE DEVIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR WAIVE THE CONTRACTORS RESPONSIBILITY TO ALERT THE PROJECT MANAGER/DESIGNER TO DISCREPANCIES CONTAINED THEREIN.
14. THE CONTRACTOR SHALL REVIEW IN ADVANCE ALL PORTIONS OF THE WORK TO VERIFY THAT THE WORK WILL NOT PROHIBIT COMPETITION OF THE PROJECT AS INTENDED IN THESES CONTACT DOCUMENT, ANY QUESTIONS shall be PROMPTLY REFEREED TO THE DESIGNER FOR RESOLUTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURFACES AND FINISHES AT INTERIOR AND EXTERIOR BUILDING. DAMAGED SURFACES AND FINISHES RESULTING FROM THE PERFORMANCE OF THE WORK SHALL BE REPAIRED AT NO COST TO THE OWNER BY THE CONTRACTOR TO MATCH EXISTING ADJACENT.
16. THE CONTRACTORS SHALL BE RESPONSIBLY FOR COORDINATION WITH ALL TRADES. THE CONTRACTOR SHALL REFER TO ALL ASPECTS OF THE DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL DRAWINGS, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS AS WELL AS RELATED SPECIFICATIONS FOR COORDINATION ISSUES. COORDINATE ALL DIAGRAMMATIC DRAWINGS WITH ALL TRADES TO ENSURE FIT AND COMPATIBLY.
17. PROVIDE DEMOLITION AS INDICATED, AND IF NOT INDICATED, AS REQUIRED TO COMPLETE NEW WORK INDICATED. SEE DEMOLITION NOTES.

GENERAL NOTES

1. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK WHERE NECESSARY TO COMPLETE FULL SCOPE OF WORK.
2. CONTRACTOR SHALL BUILD WALLS IN ACCORDANCE TO CONSTRUCTION DOCUMENTS, (IE; FRAMING, DRYWALL, INSULATION, AS NOTED.
3. CONTRACTOR SHALL INSTALL DOORS, FRAMING, AN HARDWARE AS PER SPECIFICATIONS. DOORS SHALL BE REUSED FROM EXISTING DEMOLISHED WALLS.
4. CONTRACTOR SHALL INSTALL WINDOWS AND FRAMES PER SPECIFICATIONS. WINDOWS SHALL BE REUSED FROM EXISTING DEMOLISHED WALLS.
5. CONTRACTOR SHALL INSTALL ALL ELECTRICAL CONDUIT IN WALLS AND ABOVE CEILING LINE FOR LOW VOLTAGE EQUIPMENT IN THE SPECIFIED LOCATIONS.
6. CONTRACTOR SHALL INSTALL AND OR VERIFY HIGH VOLTAGE ELECTRICAL OUTLETS.
7. CONTRACTOR SHALL INSTALL LIGHT SWITCHES IN NEWLY CONSTRUCTED WALLS AS REQUIRED TO MEET ADA SPECIFICATIONS.
8. CONTRACTOR SHALL INSTALL FLOORING AND BASE PER SPECIFICATIONS.
9. CONTRACTOR SHALL RELOCATE HVAC SUPPLY AND RETURN REGISTERS AS REQUIRED AND ACHIEVE AN AIR BALANCE THROUGHOUT TENANT SPACE.
10. CONTRACTOR SHALL PAINT SPACE WITHIN TENANT IMPROVEMENT AS PER SPECIFICATIONS.
11. CONTRACTOR SHALL REPLACE ALL DAMAGED CEILING TILES AND REPLACE OR MEND ANY DAMAGED T-BAR CEILING SYSTEM WITHIN TENANT IMPROVEMENT AREA OF WORK.
12. CONTRACTOR SHALL COMPLY WITH ALL ADA AND TITLE 24 SPECIFICATIONS, WITH REGARDS TO ANY ADDITIONS OR SUBSTITUTIONS, REQUESTED WITHIN THE SCOPE OF WORK.
13. CONTRACTOR SHALL NOT PROCEED WITH ANY UNAUTHORIZED WORK ON THIS TENANT IMPROVEMENT PROJECT WITHOUT NOTIFICATION AND AUTHORIZATION FROM LUPINE PROPERTIES.

BUILDING INFORMATION

CONSTRUCTION TYPE:_____VB
SPRINKLER:_____NON SPRINKLERED
NUMBER OF STORIES:_____1
BUILDING HEIGHT:_____17'-0"
ZONE:_____COMMERCIAL,
STORES

LEGAL DESCRIPTION:
LOT NO:_____81,82,83
Refer to survey on sheet A-1.0 for legal description.

BUILDING AREA:	**13,741 SF**
DENTAL OFFICE (NOT A PART):	2,200 S.F.
JEWELRY STORE (RETAIL):	1,963 S.F.
JIU JITSU (GYM):	2,700 S.F.
PROPOSED CHARTER SCHOOL (E):	6,878 S.F.

SEE SHEET A-1.1 FOR AREA JUSTIFICATION OF NON-SPRINKLERED BUILDING

ALLOWABLE FOR NON SPRINKLERED BLDG. CBC TBL. 506.2
E OCCUPANCY_____9,500 S.F.
AREA OF CHARTER SCHOOL:_____6,824 S.F.

CHANGE OF USE FROM M TO E OCCUPANCY GROUP

SEPARATE PERMIT:

1. FIRE ALARM SYSTEM WILL BE INSTALLED IN THE ENTIRE BUILDING UNDER SEPARATE PERMIT.

APPLICABLE CODES

2020 CALIFORNIA FIRE CODE (CFC)
2020 CALIFORNIA BUILDING CODE (CBC)
2020 CALIFORNIA PLUMBING CODE (CPC)
2020 CALIFORNIA MECHANICAL CODE (CMC)
2020 CALIFORNIA ELECTRICAL CODE (CEC)
2020 ENERGY CODE
CITY OF WEST COVINA MUNICIPAL CODE

DEFERRED SUBMITTALS

FIRE ALARM SYSTEM AND SMOKE DETECTION ALARMS ARE REQUIRED TO BE INSTALLED PER CBC 907 AS REQUIRED BY CBC 907.2.3

PORTABLE FIRE EXTINGUISHERS REQUIRED PER CBC 906 AND PER FIRE CODE

MECHANICAL, ELECTRICAL, AND PLUMBING ARE UNDER SEPARATE PERMIT

VICINITY MAP (NTS)

SHEET INDEX

EDWIN MOHABIR
EM
ARCHITECT, INC.
25206 BISHOP CT.
STEVENSON RANCH, CA 91381
tel: 323-4598809 . edwinmohabir@gmail.com

LICENSED ARCHITECT
EDWIN R MOHABIR
C23674
Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA	
DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE
TITLE SHEET

SHEET NO.
T-1.0

FIRE AUTHORITY NOTES:

INSPECTIONS

1. WEST COVINA FIRE DEPARTMENT (WCFD) final inspection required. Please schedule all field inspections at least 48 hours in advance.
Inspections canceled after 1 p.m. on the day before the scheduled date will be subject to a reinspection fee. Phasing of inspections may require additional fees, also. Call WCFD Inspection Scheduling at 310-605-5670.
2. Buildings under construction or demolition shall conform to CFC Chapter 33. No smoking or cooking is allowed in structures where combustible materials are exposed or within 25' of combustible materials storage areas. Cutting, welding, or other hot work shall be in conformance with CFC Chapter 35.
3. In buildings four or more stories in height, standpipes shall be provided during construction when the height reaches 40 feet above the lowest point of fire department access. A fire department connection shall be no more than 100 feet from available fire department vehicle access roadways. A hydrant shall be located along the access roadway within 150 feet of the location(s) that the FDC can be accessed from. CFC 3310, 3313
4. Address numbers shall be provided for all new and existing buildings, be a minimum of four inches high for individual dwelling units and six inches high for all other installations and structures, contrast with their background, and be plainly visible from the roadway the building is addressed on. Temporary address numbers shall be provided on construction fencing or the building until permanent numbers can be provided. CBC 501.2, CFC 505.1
5. Locations and classifications of extinguishers shall be in accordance with CFC 906 and CCR Title 19. At least one extinguisher shall be provided during construction on each floor at each stairway, in each storage and construction shed, in locations where flammable or combustible liquids are stored or used, or where similar hazards are present per CFC 3315.1. Before final occupancy, at least one 2A:10B:C extinguisher shall be provided so that no point is more than 75' travel distance from the extinguisher. Extinguishers shall be located along the path of egress travel and in a readily visible and accessible location, with the bottom of the extinguisher at least 4" above the floor. Additional extinguishers may be required by WCFD inspectors depending on project or site conditions and final placement is subject to their approval.
6. Wall, floor and ceiling finishes and materials shall not exceed the flame spread classifications in CBC Table 803.11. Decorative materials shall be properly treated by a product or process approved by the State Fire Marshal with appropriate documentation provided to the WCFD. Such items shall be approved and inspected by the WCFD prior to installation.
7. Knox boxes/key cabinets shall be provided for all high-rise buildings, pool enclosures, gates in the path of firefighter travel to structures, secured parking levels, doors giving access to alarm panels and/or annunciators, and any other structures or areas where immediate access is required or is unduly difficult. An WCFD inspector can assist with locking gate keys in Knox boxes, contact your local fire station to arrange an appointment to secure master building keys in the Knox box.
8. Approval of these plans shall not permit the violation of any code or law. Requirements or features not identified on the plan may apply and WCFD inspectors may require additional information or items from those shown on the plan depending on actual or anticipated field conditions. Such changes may necessitate submittal of revised or as-built plans to the WCFD and the City/County where the project is located.

GENERAL REQUIREMENTS

9. The project shall comply with 2019 California Building Code, 2019 California Fire Code, and other currently adopted codes, standards, regulations and requirements as enforced by the Orange County Fire Authority.
10. Dumpsters and trash containers exceeding 1.5 cubic yards shall not be stored in buildings or placed within 5 feet of combustible walls, openings or combustible roof eave lines unless protected by an approved sprinkler system or located in a Type I or IIA structure separated by 10 feet from other structures. Containers larger than 1 cubic yard shall be of non- or limited-combustible materials or similarly protected or separated. CFC 304.3
11. Exits, exit signs, fire alarm panels, hose cabinets, fire extinguisher locations, and standpipe connections
shall not be concealed by curtains, mirrors, or other decorative material.
12. The egress path shall remain free and clear of all obstructions at all times. No storage is permitted in aisles.
13. Exit doors shall be openable from the inside without the use of a key or any special knowledge or effort. Doors shall not be provided with thumb-turn locks or deadbolts that do not unlatch in tandem with the normal operating lever. The opening force for interior doors without closers shall not exceed 5 pounds. The unlatching and opening force for other doors, including fire doors, shall not exceed 15 pounds. CBC 1010
14. The exit path shall be clearly identified with exit signs conforming to CBC 1013. Illuminated exit signs must have 90-minute emergency power back-up.
15. Tactile signs shall be provided in commercial buildings, public buildings/accommodations, and publicly funded housing subject to CBC Chapters 11A and B and conform to 1143A or 11B-703.1, -703.2, - 703.3, and 703.5, be mounted with the bottom of the lowest line of Braille characters at least 4 feet above the floor but the bottom of the highest line of raised text characters no more than 5 feet above the floor and, whenever possible, on the strike side of the door. Lettering shall be between 5/8" and 2" high. CBC 1013.4
17. The exit path shall be illuminated at all times in accordance with CBC 1006. Emergency lighting shall be provided with 90-minute back-up.
18. Rated assemblies shall conform to approved methods and materials of construction. Penetrations through rated walls, ceilings, or floors shall be protected in an approved manner complying with CBC/CFC Chapter 7.
19. Rated doors shall be self-closing and latching; such doors shall not be equipped with door stops or otherwise propped open. Rated doors shall be equipped with rated hardware. CFC 703

PROJECT-SPECIFIC REQUIREMENTS

ASSEMBLY OCCUPANCIES

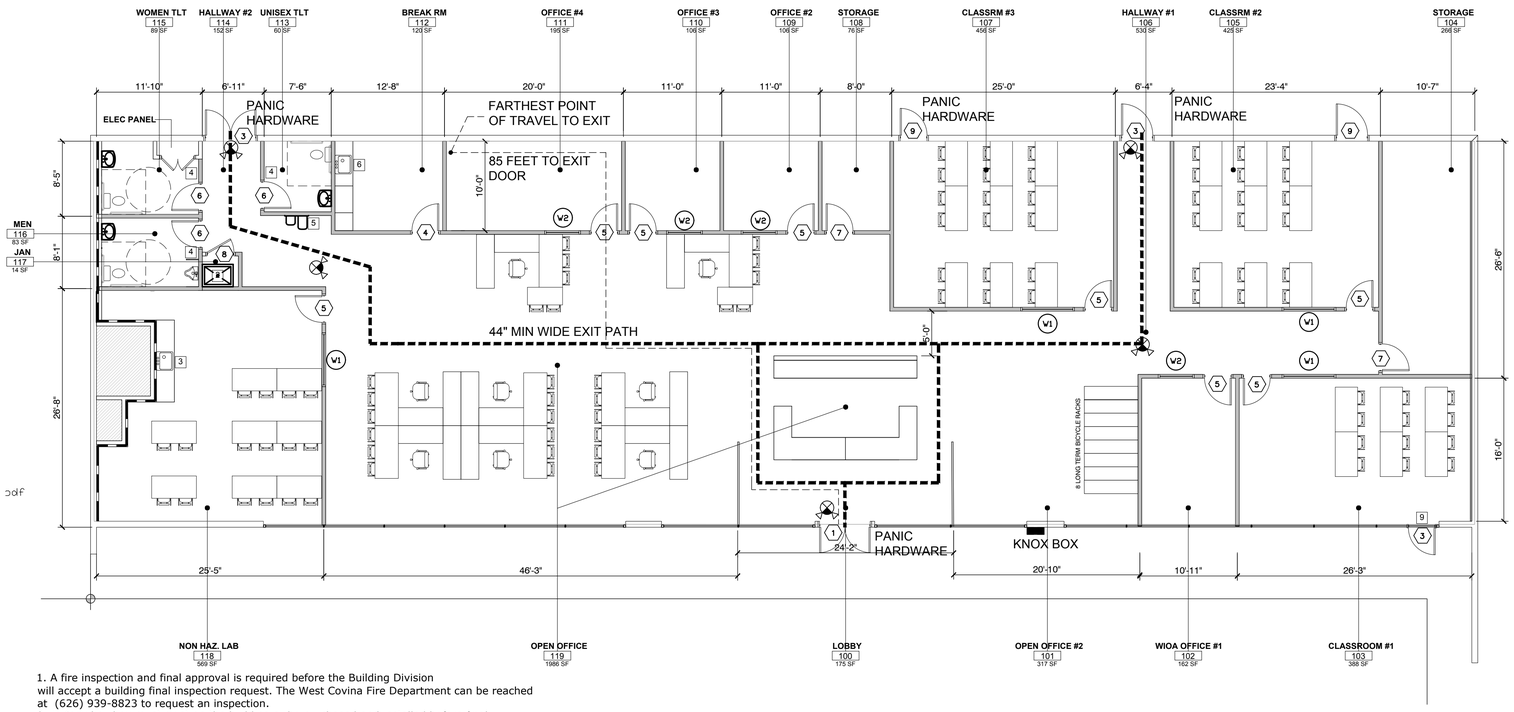
20. Occupant load sign, with minimum one-inch letters and numbers contrasting with their background, shall be posted in a conspicuous location near the main exit per CBC 1004.3 and Title 19 3.30. Where multiple seating configurations or uses are anticipated, seating diagrams and their respective occupant loads may also be required to be posted.
21. Panic hardware shall be provided for all exit and exit access doors in assembly occupancies. Such doors shall swing in the direction of exit travel. Doors equipped with panic hardware shall have no other lock or latch except panic hardware. If panic hardware is omitted on the main door when permitted by CBC 1010.1.9.3, a sign stating "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" in minimum 1-inch letters contrasting with their background shall be posted in a conspicuous location on or adjacent to the door and the door shall be equipped only with a key-operated lock that visually indicates whether it is open or locked.
22. Tables shall be spaced at least 50 inches apart where seating is back to back and aisle accessways serve more than 4 occupants or are longer than six feet. Aisle widths shall be a minimum of 36 inches where seating is only on one side of the aisle or 42 inches for seating on both sides. Where seats back up into aisles, seat backs shall be located at 19 inches from the table edge and the clear aisle width shall be measured from the back of the seat. CBC 1029.12
23. Open flame in assembly areas is prohibited except as specifically permitted by WCFD in compliance with CFC Chapter 3.

EXTINGUISHING SYSTEMS

24. An automatic fire sprinkler system shall be provided throughout the building in compliance with CFC 903 and the applicable 2019 NFPA sprinkler standard. Review and approval of a sprinkler plan is required prior to installation or modification.
25. An automatic extinguishing system shall be provided to protect commercial-type food heating equipment that produces grease-laden vapors and shall comply with 2019 CFC and CMC and 2019 NFPA 17A. Review and approval of a hood and duct extinguishing system plan is required prior to installation or use of cooking equipment.

ALARM and MONITORING SYSTEMS

26. A fire alarm system shall be provided in compliance with CBC/CFC 907 and 2019 NFPA 72. separate plan submittal is required for approval prior to installation or modification.
27. Automatic fire sprinkler system(s) and all control valves, with the exception of those listed in CFC 903.4, shall be monitored by a UL listed central alarm station.



1. A fire inspection and final approval is required before the Building Division will accept a building final inspection request. The West Covina Fire Department can be reached at (626) 939-8823 to request an inspection.
2. A Knox key box must exist on the building or be purchased and installed before final inspection.
A key to the building or suite shall be given to the fire inspector at time of final inspection. The key must be labeled and will be locked in the Knox Box, in the presence of the building owner or representative. Use of the Knox Box is for Fire Department emergency access only. (2019 CFC Section 506.1)
3. Portable, dry chemical fire extinguishers of a minimum 2A:10BC rating must be installed in accord with 2019 fire code standards. Unless otherwise specified, extinguishers shall be mounted at visible locations within 75 feet travel distance of all portions of the occupancy at a height of between 3' to 5' above the finished floor. (2019 CFC Section 906)

GENERAL BUILDING ACCESSIBILITY NOTES:

1. THE FLOOR OR LANDING AT EACH SIDE OF AN EXIT DOOR SHALL BE LEVEL AND HAVING A LENGTH IN THE DIRECTION OF THE 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.
2. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE THE FLOOR. 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, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
3. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLACE OF SLIDING OR FOLDING DOORS.
4. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE THE FLOOR. 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,
5. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLACE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS.
6. ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A LEAST ONE STANDARD SIGN AND WITH AN ADDITIONAL DIRECTIONAL SIGN, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS. SHOW LOCATION/S ON THE DRAWINGS
7. EACH GRADE-LEVEL EXTERIOR DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT WITH THE WORD "EXIT".

Occupant Load by Classification per CBC Tbl 1004.1.2						Plumbing Occupant Load	
Name	Number	Area	Occupant Classification	OL Factor	Occupants	OL Factor	Occupants
Lobby	100	175 SF	Business	150 SF	1.6	200 SF	.87
Open Office #2	101	317 SF	Business	150 SF	2.1	200 SF	1.5
Office #1	102	162 SF	Business	150 SF	1.08	200 SF	0.81
Classroom #1	103	424 SF	Classroom	20 SF	21.2	50 SF	8.48
Storage	104	266 S.F	Storage	300 SF	0.9	not incl	0
Classroom #2	105	425 SF	Classroom	20 SF	21.25	50 SF	8.50
Hall #1	106	430 SF	Accessory	150 SF	2.86	not incl.	0
Classroom #3	107	456 SF	Classroom	20 SF	22.8	50 SF	9.12
Storage	108	76 SF	Storage	300 SF	0.25	not incl	0
Office #2	109	106 SF	Business	150 SF	0.71	200 SF	0.53
Office #3	110	106 SF	Business	150 SF	0.71	200 SF	0.53
Office #4	111	195 SF	Business	150 SF	1.30	200 SF	1
Break Room	112	124 SF	Break Room	200 SF	0.62	200 SF	0.62
Women Toilet	113	60 SF	Accessory	150 SF	0.30	not incl.	0
Hall #2	114	152 SF	Accessory	150 SF	1	not incl.	0
Women Toilet	115	78 SF	Accessory	150 SF	0.52	not incl.	0
Men Toilet	116	83 S.F	Accessory	150 SF	0.55	not incl	0
Janitor closet	117	17 S.F	not included	-	-	not incl	0
Non Haz Sc Lab	118	569 SF	Laboratory	50 SF	11.38	50 SF	11.38
Open Office	119	1920 SF	Business	150 SF	12.8	200 SF	9.6
Grand Total occupant load					102		52.94

Means of Egress:	Egress Width per occupant served for Non Sprinklered Building: Other Egress = 0.2" per Occupant 111 occupant x 0.2 = 22" required Provided: three - 3" wide doors = 3x34" = 102" Provided	53 Occupants (27 men & 27 Women) Males: WC 1:50 = 1 req. 1 provided Urinal 1:100 = 1 req. 1 provided Lav: 1:40 = 1req. 1 provided Females: WC 1:30 = 1 req. 1 provided Lav: 1:40 = 1 req. 1 provided 1 service sink provided 1 Drinking Fountain provided)
Travel Distance:	200 Feet Non sprinkler building maximum Travel Distance to an Exit	

NEW MET STUD WALL

EXIST. MET STUD WALL

PATH OF TRAVEL

(N) SELF-ILLUMINATING EXIT SIGN WITH SELF CONTAINED 90 MIN BATTERY PACK BACKUP UNIT

NOTES:

1. FLOOR AT EACH SIDE OF DOOR IS MAX ½" LOWER THAN THE THRESHOLD OF THE DOORWAY.
2. PROVIDE MEANS OF EGRESS LIGHTING W/ 90 MIN EMERGENCY POWER BACKUP.
3. OCCUPANT LOAD SIGNAGE WITH ONE INCH HIGH LETTERS ON CONTRASTING BACKGROUND

MAXIMUM OCCUPANCY

sing or invalid reference
. E:\LUPINE\AZUZA\FIRE DEPARTMENT\KNOX 1

EDWIN MOHABIR
EM
ARCHITECT, INC.
25206 BISHOP CT.
STEVENSON RANCH, CA 91381
tel: 323-4598809 . edwinmohabir@gmail.com

LICENSED ARCHITECT EDWIN R MOHABIR C23674 Exp. 02-28-25 STATE OF CALIFORNIA

CASp 601

A PROJECT FOR:

Options For Youth Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA

DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

EXITING/ OCUPANCY LOAD/ ANALYSIS

SHEET NO.

T-1.1

GENERAL NOTES

1. ALL CONTRACTORS AND SUBCONTRACTORS WILL THOROUGHLY FAMILIARIZE THEMSELVES WITH THESE CONSTRUCTION DOCUMENTS AND WILL VERIFY EXISTING SITE AND CONDITIONS PRIOR TO SUBMITTING A BID. ALL SUBCONTRACTORS WILL PROVIDE ALL LABOR, SUPERVISION, AND MATERIALS OF EVERY TYPE WHICH MAY BE NECESSARY FOR A SUCCESSFUL COMPLETION. ALL WORK TO BE PERFORMED IN A GOOD AND WORKMANLIKE MANNER ACCORDING TO THE TRUE INTENT AND MEANING OF THE DRAWINGS AND SPECIFICATIONS.

2. STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS ARE INCLUDED IN, AND NOT SUPPLEMENTARY TO, THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO CHECK THE ARCHITECTURAL DRAWINGS BEFORE INSTALLATION OF THEIR WORK. ANY DISCREPANCY BETWEEN THE ARCHITECTURAL AND OTHER DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION, BY THE CONTRACTOR FOR WRITTEN AND GRAPHIC CLARIFICATION.

3. THE CONTRACTOR SHALL FOCUS SPECIAL ATTENTION ON A FIELD REVIEW OF THE EXISTING SITE PRIOR TO CONSTRUCTION. ANY CONDITIONS THAT ARE FOUND TO BE INCONSISTENT WITH THESE DOCUMENTS OR WHERE THE INTENT IS IN DOUBT SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION PRIOR TO BID SUBMITTAL. CONTRACTOR SHALL NOT RELY UPON ORAL COMMUNICATIONS; ALL COMMUNICATIONS MUST BE IN WRITTEN OF GRAPHIC FORMAT.

4. ANY ADDITIONS OR CHANGES TO WORK MUST BE AUTHORIZED IN WRITING BY THE ARCHITECT. NO ALTERATIONS WILL BE MADE ON THIS PROJECT EXCEPT UPON WRITTEN ORDER BY USING PREDETERMINED ARCHITECT SUPPLEMENTAL INSTRUCTIONS, CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVES.

5. CONTRACTOR IS RESPONSIBLE FOR THE MORE COSTLY RESOLUTION ON ALL CONFLICTING INFORMATION PRESENTED ON THE PLANS, OR BETWEEN THE EXISTING CONDITIONS AND THE PLANS.

6. IF A CONFLICT OCCURS BETWEEN THE DESIGN DRAWINGS AND SPECIFICATIONS, PROMPTLY NOTIFY THE ARCHITECT IN WRITING. AT THAT POINT, A WRITTEN INTERPRETATION WILL BE MADE BY THE ARCHITECT AND SAID DECISION SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS.

7. CONTRACTOR SHALL SUBMIT ONE SET OF SHOP DRAWINGS OF ALL STONEWORK, MILLWORK, MISCELLANEOUS METAL, DOORS, DOOR HARDWARE AND EQUIPMENT. SHOP DRAWINGS SHOULD INCLUDE DETAILED FABRICATION AND ERECTION DRAWINGS, DIAGRAMMATIC DRAWINGS AND MATERIAL SCHEDULES, LOCATION AND ORIENTATION OF ALL ITEMS SHALL BE CLEARLY INDICATED. BEGIN FABRICATION ONLY AFTER RECIEVING ARCHITECTS AND/OR PROJECT MANAGER APPROVAL OF SHOP DRAWINGS.

8. ALL WORK NOTED "N.I.C" OR "NOT IN CONTRACT" IS NOT TO BE PART OF THE CONSTRUCTION AGREEMENT.

9. THE ARCHITECT WILL NOT HAVE CONTROL, OF AND WILL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK ON THIS PROJECT OR FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK ON THIS SITE, NOR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE INTENT OF THE CONTRACT AND OR CONSTRUCTION DOCUMENTS.

10. ALL CONTRACTORS WILL PROVIDE ADEQUATE BRACING AND/OR SHORING TO INSURE STRUCTURAL STABILITY OF THE BUILDING AND ALL RELATED BUILDING COMPONENTS, I.E.; STRUCTURAL WALLS, INTERIOR WALL ASSEMBLIES, ETC. DURING THE CONSTRUCTION PHASE OF THIS PROJECT.

11. WORK WILL BE COORDINATED WITH ALL TRADES IN ORDER TO AVOID INTERFERENCE AND AVOID OMISSIONS.

12. UNLESS NOTED OTHERWISE, ALL MATERIALS USED WILL BE NEW AND BEAR U.L. LABELS WHERE REQUIRED AND MEET APPROPRIATE INDUSTRY STANDARDS.

13. LAYOUT ALL PARTITIONS AND CABINETS BEFORE BEGINNING CONSTRUCTION TO PREVENT ERRORS BY DISCREPANCY. ALL DRYWALL PARTITIONS AND CABINETS WILL BE INSTALLED AS NOTED ON THE DRAWINGS. IF APPLICABLE, GENERAL CONTRACTOR MUST OBTAIN RESOLUTION FROM ARCHITECT FOR ANY DISCREPANCIES PRIOR TO CONSTRUCTION OF WALL PARTITIONS AND CABINETS.

14. EACH SUBCONTRACTOR WILL AMEND AND MAKE GOOD AT HIS OWN COST, ANY DEFECTS OR OTHER FAULTS IN HIS WORKMANSHIP AND/OR HIS SUPPLIED MATERIALS.

15. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING, CUTTING AND/OR INSTALLING MATERIAL, PRODUCT OR EQUIPMENT. IN THE EVENT OF ANY DISCREPANCIES, CONTACT THE ARCHITECT FOR WRITTEN AND/OR GRAPHIC DIRECTION PRIOR TO PROCEEDING WITH THAT WORK.

16. CONTRACTOR SHALL NOT SCALE THESE DRAWINGS FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS OR INFORMATION, CONTRACTOR SHALL NOTIFY THE ARCHITECT. FIGURED AND CALCULATED DIMENSION TAKE PRECEDENCE OVER SCALED MEASUREMENTS. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TYPICALLY TAKES PRECEDENCE OVER SMALLER SCALE DRAWINGS. VERIFY WITH ARCHITECT. ALL PLAN DETAILS AND WALL SECTIONS ARE ASSUMED TO BE TYPICAL CONDITIONS UNLESS DETAILED OR NOTED OTHERWISE.

17. PROVIDE SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE THE WEIGHT OF ATTACHED ITEMS OR EQUIPMENT IS TOO GREAT TO BE SUPPORTED BY METAL STUDS. PROVIDE BLOCKING FOR OWNER FURNISHED OR INSTALLED ITEMS.

18. WEATHER CONDITIONS: CONTRACTOR(S) WILL PROTECT ALL PARTS OF THEIR WORK FROM WEATHER DAMAGE DUE TO FROST, RAIN, HEAT, ETC. AND WILL MAKE GOOD TO THE SATISFACTION OF THE ARCHITECT ANY PORTION OF THE WORK WHICH MAY HAVE BECOME DAMAGED.

19. SITE SAFETY: EACH CONTRACTOR WILL ABIDE BY LOCAL AREA STANDARDS AND RELATED O.S.H.A. STANDARDS FOR THE PROTECTION AND SAFETY FOR THEIR EMPLOYEES ON SITE. THIS ARCHITECT WILL BE HELD HARMLESS BY OWNER AND GENERAL CONTRACTOR AND RELATED AWARDED TRADES ON THIS PROJECT FOR ACCIDENTS OR INJURIES CAUSED OR ACCRUED ON THIS PROPERTY DURING THE PRE / ACTUAL / POST CONSTRUCTION PHASES OF THIS PROJECT.

20. CONTRACTORS WILL BE RESPONSIBLE FOR REMOVAL OF DEBRIS ACCUMULATED BY EACH TRADE. HOWEVER, EACH TRADE WILL KEEP THE JOB SITE CLEAN AND SAFE AT ALL TIMES, ALONG WITH A BROOM / VACUUM FINISH AT THE END OF EACH WORKING DAY.

21. TRANSITION OF DIFFERENT FLOORING MATERIALS AT DOORWAYS SHALL OCCUR AT CENTERLINE OF DOORS TYPICALLY.

22. PAINT ALL WALL SURFACES, DOOR FRAMES, BULKHEADS AND CEILINGS IN ROOMS WHERE INDICATED ON ROOM FINISH SCHEDULE. PAINT BEHIND ALL MOVEABLE ITEMS ADJACENT TO WALLS RECEIVING PAINT AND RELOCATE ITEMS. ALL NEW PAINTING SHALL INCLUDE (1) ONE COAT PRIMER AND (2) TWO COATS OF PAINT.

23. CONTRACTOR SHALL PATCH ALL EXISTING WALL AND/OR CEILINGS AS NEEDED TO REFURBISH THE LEASE SPACE TO "LIKE NEW" CONDITION AND REPAIR ALL DAMAGES.

24. ALL WEATHER - EXPOSED SURFACES SHALL HAVE A WEATHER RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING AND EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.

25. PROJECT SHALL MEET REQUIREMENTS OF CAL GREEN CODE 2013 FOR ALL DEBRIS.
CHECK THE VOC FORMS PER CODE.

26. DURING CONSTRUCTION/DEMOLITION DEVELOPER AND CONTRACTOR TO USE WASTE MANAGEMENT SERVICES IN ACCORDANCE WITH THE CITY MUNICIPAL CODE AND RATE SCHEDULE.

CONSTRUCTION NOTES

1. ALL PARTITION LOCATIONS, DIMENSIONS AND TYPES, ALL DOOR AND WINDOW LOCATIONS SHALL BE AS SHOWN ON PARTITION PLAN. IN CASE OF CONFLICT, NOTIFY ARCHITECT. PARTITION PLAN BY ARCHITECT SUPERSEDES OTHER PLANS.

2. ALL PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, UNLESS OTHERWISE NOTED. ALL DIMENSIONS MARKED "CLEAR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESS OF ALL FINISHES INCLUDING CARPET, CERAMIC TILE, VCT, ETC.

3. DIMENSIONS LOCATING DOORS BY EDGE ARE TO THE INSIDE EDGE OF JAMB, UNLESS OTHERWISE NOTED.

4. PARTITIONS AT BUILDIONG PERIMETER SHALL BE CENTERED ON CENTER LINE OF COLUMN OR WINDOW MULLION, UNLESS OTHERWISE NOTED.

5. COLUMN CENTER LINES (OR GRID LINES) ARE SHOWN FOR DIMENSIONING, VERIFY EXACT LOCATIONS IN FIELD.

6. MAXIMUM PULL OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR INTERIOR AND EXTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. CORRESPONDING DEVICES OF AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.

7. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED SHALL BE OPERABLE WITH SINGLE EFFORT BY LEVER TYPE HARDWARE WHICH RETRACT BOTH LOCKS WITH A SINGLE OPERATION.

8. DEAD BOLT ARE NOT PERMITTED ON EXIT DOORS.G.G. TO PROVIDE A DURABLE SIGN PLACED OVER THE MAIN EXIT DOORS STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS".

FIRE DEPARTMENT NOTES

GENERAL

1. ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER AND FIRE LIFE SAFETY PLANS SHALL BE SUBMITTED TO BUILDING DEPARTMENT AND FIRE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH WORK.

2. ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER AND FIRE LIFE SAFETY SYSTEMS SHALL BE INSTALLED UNDER SEPARATE PERMIT.

3. THE INSTALLATION OR OPERATION OF AUTOMATIC FIRE EXTINGUISHER SYSTEM MUST BE CHECKED AND APPROVED BY THE FIRE DEPARTMENT PRIOR TO INSTALLATION.

4. FIRE SPRINKLER SYSTEM AND MODIFICATION SHALL BE APPROVED BY THE DIRE DEPARTMENT PRIOR TO INSTALLATION.

5. FIRE LIFE SAFETY SYSTEM AND MODIFICATIONS SHALL BE APPROVED BY ELECTRICAL DIVISION PRIOR TO INSTALLATION.

6. REFER TO ELECTRICAL PLANS FOR LOCATION OF ANY SMOKE DETECTORS, LIFE SAFETY SPEAKERS, STROBES AND EXIT SIGNS. PARTIITONS/CEILING.

7. FIRE DAMPERS OR DOORS SHALL BE PROVIDED WHERE AIR DUCTS PENETRATE FIRE RATED WALLS OR CEILING, PER APPLICABLE CODES.

8. INTERIOR FINISH MATERIALS APPLIED TO WALLS AND CEILINGS SHALL BE TESTED AS SPECIFIED IN CBC SECTION 803 AND MEET CLASSIFICATIONS PER TABLE 803.9 AND SECTION 803.1, 803.1.1

9. ANY DECORATIONS USED SHALL BE NON-COMBUSTIBLE OR FLAME-PROFFED IN AN APPROVED MANNER.

10. INTERIOR WALL AND CEILING FINISHES FOR EXIT CORRIDORS SHALL BE PER TABLE 803.9

11. INTERIOR WALL AND CEILING FINISHES FOR 2 HOUR EXIT CORRIDORS SHALL BE PER TABLE 803.9

12. INTERIOR WALL AND CEILING FINISHED SHALL BE PER TABLE 803.9

13. ACOUSTICAL MATERIALS COMPLYING WITH THE INTERIOR FINISH REQUIREMENTS OF SECTION 803 SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION AND APPLICABLE PROVISIONS FOR APPLYING INTERIOR FINISH.

14. PROVIDE SELF-CLOSING ACCESS DOOR AT RATED PARTITION AND GYPSUM BOARD CEILINGS.

15. AISLES LEADING TO REQUIRED EXITS SHALL HAVE A MIN WIDTH OF 3'-8" CLEAR.

16. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. CBC 1008.1.9

17. EXIT DOORS SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING 50 OR MORE OCCUPANTS.

18. DOOR HANDLES, LOCK AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MIN. 34" AND A MAX. 48" ABOVE THE FINISHED FLOOR.

DOORS, DOORWAYS, AND GATES

1010.1.9 DOOR OPERATIONS. EXCEPT AS SPECIFICALLY PERMIT-TED BY THIS SECTION EGRESS DOORS SHALL BE READILY OPENABLEFROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIALKNOWLEDGE OR EFFORT.

1010.1.9.1 HARDWARE. DOOR HANDLES, PULLS, LATCHES, LOCKSAND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESS-SIBLE BY CHAPTER 11A OR 11B SHALL NOT REQUIRE TIGHT GRASP-ING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

1010.1.9.2 HARDWARE HEIGHT. DOOR HANDLES, PULLS,LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34 INCHES (864 MM) MINIMUM AND 48 INCHES(1219 MM) MAXIMUM ABOVE THE FINISHED FLOOR. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT. 1010.1.9.3 LOCKS AND LATCHES. LOCKS AND LATCHES SHALL BE PERMITTED TO PREVENT OPERATION OF DOORS WHERE ANY OF THE FOLLOWING EXIST:
1. PLACES OF DETENTION OR RESTRAINT.
2. IN BUILDINGS IN OCCUPANCY GROUP A HAVING AN OCCUPANT LOAD OF 300 OR LESS, GROUPS B, F, M AND S, AND IN PLACES OF RELIGIOUS WORSHIP, THE MAIN DOOR OR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PROVIDED:
2.1. THE LOCKING DEVICE IS READILY DISTINGUISH-ABLE AS LOCKED;
2.2. A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. THE SIGN SHALL BE IN LETTERS 1INCH (25 MM) HIGH ON A CONTRASTING BACK-GROUND.
2.3. THE USE OF THE KEY-OPERATED LOCKING DEVICE IS REVOKABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE.
3. WHERE EGRESS DOORS ARE USED IN PAIRS, APPROVED AUTOMATIC FLUSH BOLTS SHALL BE PERMITTED TO BE USED, PROVIDED THAT THE DOOR LEAF HAVING THE AUTO-MATIC FLUSH BOLTS DOES NOT HAVE A DOORKNOB ORSURFACE-MOUNTED HARDWARE.
4. DOORS FROM INDIVIDUAL DWELLING OR SLEEPING UNITS OF GROUP R OCCUPANCIES HAVING AN OCCUPANT LOAD OF 10 OR LESS ARE PERMITTED TO BE EQUIPPED WITH A NIGHT LATCH, DEAD BOLT OR SECURITY CHAIN, PROVIDED SUCH DEVICES ARE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR TOOL.
5.FIRE DOORS AFTER THE MINIMUM ELEVATED TEMPERATURE HAS DISABLED THE UNLATCHING MECHANISM IN ACCORDANCE WITH LISTED FIRE DOOR TEST PROCEDURES.

1010.1.9.5 UNLATCHING. THE UNLATCHING OF ANY DOOR ORLEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.

1010.1.9.5.1CLOSET AND BATHROOM DOORS IN GROUPR-4 OCCUPANCIES. IN GROUP R-4 OCCUPANCIES, CLOSET DOORS THAT LATCH IN THE CLOSED POSITION SHALL BE OPEN-ABLE FROM INSIDE THE CLOSET, AND BATHROOM DOORS THAT LATCH IN THE CLOSED POSITION SHALL BE CAPABLE OF BEING UNLOCKED FROM THE INGRESS SIDE.
1010.1.9.7 DELAYED EGRESS. DELAYED EGRESS LOCKING SYSTEMS SHALL BE PERMITTED TO BE INSTALLED ON DOORS SERVING ANY OCCUPANCY EXCEPT GROUP A, E, H AND I, IN BUILDINGS THAT ARE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR AN APPROVED AUTOMATIC SMOKE OR HEAT DETECTION SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 907. THE LOCKING SYSTEM SHALL BE INSTALLED AND OPERATED IN ACCORDANCE WITH ALL OF THE FOLLOWING:

5. ALL EGRESS DOOR OPERATION SHALL ALSO COMPLY WITH SECTION 1008.1.6 - 1008.1.8.8.

6. THE FOLLOWING SIGN SHALL BE PROVIDED ABOVE THE MAIN EXIT DOOR:

7. THE MEANS OF EGRESS, INNCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.

8. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOTT-CANDLE AT THE WALKING SURFACE.

9. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES' ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:

9.A. AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS.

9.B. CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

9.C. EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

9.D. EXTERIOR LANDING, AS REQUIRED BY CBC SECTION 1008.1.6, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

10. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH CBC SECTION 2702.

11. EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE AND A MINIMUM AT ANY POINT OF 0.1 FOOT CANDLE MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 FOOT-CANDLE AVERAGE AND A MINIMUM AT ANY POINT OF 0.06 FOOT-CANDLE AT THE END OF THE EMERGENCY LIGHTING TIME DURATION. A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED.

12. THE EXIT SIGNS SHALL ALSO BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES UNIT EQUIPMENT OR AN ON-SITE GENERATOR SET, AND THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE ELECTRICAL CODE. FOR HIGH RISE BUILDINGS, SEE CBC SECTION 403.

EXIT SIGNS

13. PROVIDE FLOOR LEVEL EXIT SIGNS IN ALL INTERIOR CORRIDORS OF GROUP A, E, I, R2.1 OCCUPANCIES CBC 1011.7

14. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SECTION 2702.

15. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS CBC 1011.6.3

16. EXIT SIGNS SHALL BE ILLUMINATED INTERNALLY OR EXTERNALLY TO A MINIMUM INTENSITY LEVEL OF 4 FOOT CANDLES (54 LUX). ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES WIRING SYSTEM. IN THE EVENT OF FAILURE OF THIS SYSTEM ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM PER CBC 1011.6.2

17. EXIT PATH LIGHTING SHALL BE PROVIDED FOR STAIRWAY, HALLWAY, EXIT PASSAGEWAY AND EGRESS TO A PUBLIC WAY ANYTIME THE BUILDING IS OCCUPIED. EMERGENCY LIGHTING SHALL BE PROVIDED GIVING A LIGHT VALUE OF ONE FOOT CANDLE AT THE FLOOR LEVEL.

18. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS WITH A MINIMUM OF 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND.

19. WHENEVER BUILDING IS OCCUPIED, EXIT SIGNS SHALL BE LIGHTED SO THEY ARE CLEARLY VISIBLE.

FIRE EXTINGUISHERS

20. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-a OR 2-A:10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE TENANT SPACES OR AS REQUIRED BY FIRE DEPARTMENT FIELD INSPECTOR.

21. PROVIDE PORTABLE FIRE EXTINGUISHER WITH A RATING NOT LESS THAN 10BC FOR KITCHEN, ELECTRICAL ROOM, MECHANICAL ROOM, OR PARKING GARAGE.

SPRINKLERS

22. SPRINKLER HEADS SHALL BE LOCATED IN CENTER OF CEILING TILE IN A SYMMETRIC PATTERN.

23. NEW/RELOCATED FIRE SPRINKLER HEADS SHALL MATCH BUILDING STANDARD AND BE ADDED OR RELOCATED FROM THE EXISTING BASE BUILDING GRID.

24. DISTRIBUTION OF SPRINKLER HEADS MUST MEET GOVERNING CODES.

25. CLASS I, DRY STAND PIPES ARE REQUIRED IN BUILDINGS FOUR OR MORE STORIES IN HEIGHT.

26. CLASS II, WET STAND PIPES ARE REQUIRED AS SPECIFIED IN TABLE 9-A. SHOW LOCATION OF STAND PIPES ON FLOOR PLANS SUCH THAT ALL FLOOR AREAS CAN BE SERVICED BY A 100' LENGTH OF HOSE AND 30' STREAM.

27. CLASS III, COMBINATION STAND PIPE ARE REQUIRED FOR BUILDINGS OVER 150" IN HEIGHT.

28. PLANS FOR THE FIRE SPRINKLER SYSTEM MODIFICATION SHALL BE SUBMITTED TO THE FIRE PREVENTION BUREAU FOR REVIEW AND APPROVAL PRIOR TO SYSTEM MODIFICATION.

FIRE/LIFE SAFETY/STROBES

1. IF AN EMERGENCY WARNING SYSTEM IS REQUIRED, IT SHALL ACTIVATE A MEANS OF WARNING FOR THE HEARING IMPAIRED.

2. G.C. SHALL CHECK FIRE ALARM SYSTEM WHERE APPLICABLE FOR PROPER SOUND COVERGAE THROUGH OUT THE LEASE SOACE AND NOTIFY ARCHITECT IF IT IS NOT ADEQUATE.

3. APPROVED NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF NFPA 72G IN THE FOLLOWING AREAS: RESTROOMS, CORRIDORS, MUSIC PRACTICE ROOMS, BAND ROOMS, GYMNASIUMS, MULTIPURPOSE ROOMS, OCCUPATIONAL SHOPS, OCCUPIED ROOMS WHERE AMBIENT NOISE IMPAIRS HEARING OF THE FIRE ALARM, LOBBIES, MEETING ROOMS AND ANY OTHER AREA FOR COMMON USE.

4. STROBE SIGNALING DEVICES REQUIRED FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHALL APPROVED LISTED.

5. NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED SHALL ALSO BE PROVIDED WITH THE FOLLOWING:

5.A. AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PUBLIC MODE SHOULD HAVE A SOUND LEVEL OF NOT LESS THAN 75 DBA AT 10' OR MORE THAN 110 DBA AT THE MIN. HEARING DISTANCE FROM THE AUDIBLE APPLIANCE.

5.B. AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PRIVATE MODE SHOULD HAVE A SOUND LEVEL OF NOT LESS THAN 45 DBA AT 10' OR MORE THAN 110 DBA AT THE MIN. HEARING DISTANCE FROM THE AUDIBLE APPLIANCE.

5.C. A SPECIFICATION VALUE NOT TO EXCEED 3 FLASHES PER SECOND AND NO SLOWER THAN 1 FLASH PER SECOND.

5.D. A CLEAR OR NOMINAL WHITE COLORED LIGHT SOURCE.

5.E. PLACEMENT AS LOW AS POSSIBLE, BUT NOT LOWER THAN A MIN. OF 6'-8" ABOVE THE FLOOR AND A MIN OF 6" BELOW THE CEILING.

5.F. NOTIFICATION APPLIANCES FOR OCCUPANCIES REQUIRED TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) SHALL COMPLY WITH THE FOLLOWING:

5.F.A. A PULSING LIGHT SOURCE OF NOT LESS THAN 75 CANDELA SHALL BE PROVIDED.

5.F.B. NO PLACE IN COMMON CORRIDORS OR HALLWAYS IN WHICH VISUAL ALARM SIGNALING APPLIANCES ARE REQUIRED SHALL BE MORE THAN 50' FROM THE SIGNAL.

6. NO PLACE IN ANY ROOM OR SPACE REQUIRED TO HAVE A VISUAL SIGNAL APPLIANCE SHALL BE MORE THAN 50' FROM THE SIGNAL (IN HORIZONTAL PLANE). IN LARGE ROOMS AND SPACES EXCEEDING 100' ACROSS, WITHOUT OBSTRUCTIONS 6' ABOVE THE FINISHED FLOOR, DEVICES MAY BE PLACED AROUND THE PERIMETER, SPACED A MAX. 100' APART, IN LIEU OF SUSPENDING APPLIANCES FROM THE CEILING.

7. A MANUAL AND AUTOMATIC FIRE ALARM SYSTEM THAT INITIATES THE OCCUPANT NOTIFICATION SIGNAL UTILIZING AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM SHALL BE INSTALLED IN GROUP E OCCUPANCIES WITH AN OCCUPANT LOAD OF 50 OR MORE PERSONS OR CONTAINING MORE THAN ONE CLASSROOM. PIANS SHALL BE SUBMITTED TO THE FIRE PREVENTION BUREAU FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

8. AN EMERGENCY PRE-FIRE PLAN SHALL BE DEVELOPED SPECIFYING THE PROCEDURES TO BE FOLLOWED IN CASE OF FIRE OR OTHER EMERGENCY. THE PLAN SHALL INCLUDE THE FOLLOWING:

8.A. POSTING 911 EMERGENCY PHONE NUMBER IN THE MAIN OFFICE.

8.B. ASSIGNMENT OF A RESPONSIBLE PERSON TO CALL THE FIRE DEPARTMENT UPON NOTIFICATION OF ANY FIRE OR ACTIVATION OF THE ALARM SYSTEM FOR ANY REASON OTHER THAN FIRE DRILLS.

8.C. POSTING IN A CONSPICUOUS PLACE IN EACH CLASSROOM OR ASSEMBLY AREA A PLAN SHOWING PATHS OF TRAVEL TO EVACUATE THE ROOM IN CASE OF EMERGENCY AND INCLUDING AN ALTERNATE ROUTE.

8.D. POSTING IN EACH CLASSROOM INSTRUCTION TO BE FOLLOWED BY THE TEACHER. THESE SHOULD INCLUDE: 1) MAINTAINING OF ORDER DURING EVACUATION. 2) REMOVAL OF ROLL CALL BOOK AND CALLING OF ROLL WHEN DESIGNATED EVACUATION AREA IS REACHED.

9. TACTILE EXIT SIGN (BRAILLE) SHALL BE PROVIDED AND IN COMPLIANCE WITH CBC 11B-216.4, & CBC SEC. 1013.4 WHEN TWO OR MORE WXITS ARE REQUIRED, AS FOLLOWS:
* EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT".
* EACH ACCESS DOOR FROM AN INTERIOR OR AREA TO A CORRIDOR THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE".
* TACTILE SIGNS SHALL BE LOCATED 48" MIN. AND 60" MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE.
* IDENTIFY LOCATIONS OF REQUIRED TACTILE EXIT SIGNAGE ON THE EXITING PLAN.

10. POST OCCUPANT LOAD SIGNAGE IN ASSEMBLY ROOMS OR AREAS WITH A OCCUPANT LOAD OF 50OR MORE. IDENTIFY THE LOCATION(S) OF THE REQUIRED OCCUPANT LOAD SIGN(S) ADJACENT TO THE MAIN EXIT DOOR WHEN APPLICABLE.

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A PROJECT FOR:

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CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

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REVISIONS

PROJECT DATA	
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PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

GENERAL NOTES/
FIRE NOTES

SHEET NO.

T-1.2

A. APPLICATION AND ADMINISTRATION

1. WHEN ALTERATIONS OR ADDITIONS ARE MADE TO EXISTING BUILDINGS OR FACILITIES, AN ACCESSIBLE PATH OF TRAVEL TO THE SPECIFIC AREA OF ALTERATION OR ADDITION SHALL BE PROVIDED UNLESS OTHERWISE EXEMPT. **§11B-202.4**
2. PRIMARY ACCESSIBLE PATH OF TRAVEL SHALL INCLUDE A PRIMARY ENTRANCE TO THE BUILDING OR FACILITY; TOILET AND BATHING FACILITIES SERVING THE AREA; DRINKING FOUNTAINS SERVING THE AREA; PUBLIC TELEPHONES SERVING THE AREA, AND SIGNS. **§11B-202.4**
3. WHEN THE ADJUSTED CONSTRUCTION COST IS LESS THAN OR EQUAL TO THE CURRENT VALUATION THRESHOLD $150,244.00, THE COST OF COMPLIANCE WITH THE PRIMARY ACCESSIBLE PATH OF TRAVEL REQUIREMENTS IS LIMITED TO 20 PERCENT OF THE ADJUSTED CONSTRUCTION COST OF ALTERATIONS, STRUCTURAL REPAIRS OR ADDITIONS PRESENTLY PLANNED AND THOSE DURING THE PRECEDING THREE-YEAR PERIOD. **§11B-202.4**
4. ADJUSTED CONSTRUCTION COST OF ALTERATIONS, STRUCTURAL REPAIRS OR ADDITIONS DOES NOT INCLUDE THE COST OF ALTERATIONS TO PATH OF TRAVEL ELEMENTS. **§11B-202.4**
5. IN CHOOSING WHICH ACCESSIBLE ELEMENTS TO PROVIDE, PRIORITY SHOULD BE GIVEN TO THOSE ELEMENTS THAT WILL PROVIDE THE GREATEST ACCESS IN THE FOLLOWING ORDER: (1) AN ACCESSIBLE ENTRANCE; (2) AN ACCESSIBLE ROUTE TO THE ALTERED AREA; (3) AT LEAST ONE ACCESSIBLE RESTROOM FOR EACH SEX OR A SINGLE ACCESSIBLE UNISEX RESTROOM;(4) ACCESSIBLE TELEPHONES; (5) ACCESSIBLE DRINKING FOUNTAINS; AND (6) WHEN POSSIBLE, ADDITIONAL ACCESSIBLE ELEMENTS SUCH AS PARKING, SIGNS, STORAGE AND ALARMS. **§11B-202.4**
6. ALTERATIONS TO A QUALIFIED HISTORIC BUILDING OR FACILITY SHALL COMPLY WITH CHAPTER 11B UNLESS IT WILL THREATEN OR DESTROY THE HISTORICAL SIGNIFICANCE OR CHARACTER-DEFINING FEATURES OF THE BUILDING OR PROPERTY. IN THOSE CASES, ALTERNATIVE PROVISIONS SHALL BE APPLIED ON AN ITEM-BY- ITEM OR CASE-BY-CASE BASIS WITH SUFFICIENT WRITTEN DOCUMENTATION. **§11B-202.5, SHBC 8-602**
7. **NOTE ON PLAN:** 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

1. 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**

CHANGES IN LEVEL

3. VERTICAL CHANGES IN LEVEL FOR FLOOR OR GROUND SURFACES MAY BE ¼ INCH HIGH MAXIMUM AND WITHOUT EDGE TREATMENT. **CHANGES IN LEVEL GREATER THAN ¼ INCH AND NOT EXCEEDING ½ INCH IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.** **§11B-303, FIGURES 11B-303.2 & 11B-303.3**
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 REQUIREMENTS DO NOT APPLY BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY. **§11B-303.5**

TURNING SPACE

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**
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 ELEMENTS. **§11B-306.2.2**
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, FIGURE 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)**
14. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES. **§11B-307.5**
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 THE FINISH FLOOR. **§11B- 308.3.2**
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**

OPERABLE PARTS

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**

C. ACCESSIBLE ROUTES

GENERAL

1. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS AND SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE. WHERE MORE THAN ONE ROUTE IS PROVIDED, ALL ROUTES MUST BE ACCESSIBLE. **§11B-206.2.1 (SEE EXCEPTIONS)**
1. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE. **§11B-206.2.2 (SEE EXCEPTION)**
2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT EACH STORY AND MEZZANINE IN MULTI-STORY BUILDINGS AND FACILITIES. **§11B-206.2.3 (SEE EXCEPTIONS)**
3. IN NEW CONSTRUCTION OF BUILDINGS WHERE ELEVATORS ARE REQUIRED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES, AND WHICH EXCEED 10,000 SQUARE FEET ON ANY FLOOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH ESCALATOR. **§11B-206.2.3.2**
4. IN EXISTING BUILDINGS THAT EXCEED 10,000 SQUARE FEET ON ANY FLOOR AND IN WHICH ELEVATORS ARE REQUIRED BY 11B- 206.2.3 MULTI-STORY BUILDINGS AND FACILITIES, WHENEVER A NEWLY CONSTRUCTED MEANS OF VERTICAL ACCESS IS PROVIDED VIA STAIRS OR AN ESCALATOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH NEW STAIR OR ESCALATOR. **§11B-206.2.3.2**
5. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING OR FACILITY, INCLUDING MEZZANINES, WHICH ARE OTHERWISE CONNECTED BY A CIRCULATION PATH. **§11B-206.2.4 (SEE EXCEPTIONS 1 THROUGH 7)**
6. ACCESSIBLE ROUTES SHALL COINCIDE WITH OR BE LOCATED IN THE SAME AREA AS GENERAL CIRCULATION PATHS. WHERE CIRCULATION PATHS ARE INTERIOR, REQUIRED ACCESSIBLE ROUTES SHALL ALSO BE INTERIOR; AN ACCESSIBLE ROUTE SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, RESTROOMS, CLOSETS OR OTHER SPACES USED FOR SIMILAR PURPOSES, EXCEPT AS PERMITTED BY CHAPTER 10. **§11B-206.3**

EMPLOYEE WORKSTATIONS

7. EMPLOYEE WORKSTATIONS SHALL BE ON AN ACCESSIBLE ROUTE COMPLYING WITH DIVISION 4. SPACES AND ELEMENTS WITHIN EMPLOYEE WORKSTATIONS SHALL ONLY BE REQUIRED TO COMPLY WITH SECTIONS 11B-207.1, 11B-215.3, 11B-302, 11B- 303, AND 11B-404.2.3. COMMON USE CIRCULATION PATHS WITHIN EMPLOYEE WORKSTATIONS SHALL COMPLY WITH SECTION 11B-206.2.8. **§11B-203.9**

DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXTURE

8. CURB RAMPS SHALL HAVE DETECTABLE WARNINGS THAT EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE RAMP RUN LESS THAN 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING ANY FLARED SIDES. **§11B-247.1.2.2, §11B- 705.1.2.2**
9. ON PERPENDICULAR CURB RAMPS, DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 TO 8 INCHES FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER, STREET OR HIGHWAY. **§11B-247.1.2.2, §11B-705.1.2.2**
10. ON PARALLEL CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK LESS THAN 2 INCHES MAXIMUM ON EACH SIDE **§11B- 247.1.2.2, §11B-705.1.2.2, FIGURE 11B-406.3.2**
11. ISLANDS OR CUT-THROUGH MEDIANS 96 INCHES OR LONGER IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL SHALL HAVE DETECTABLE WARNINGS THAT ARE 36 INCHES MINIMUM IN DEPTH EXTENDING THE FULL WIDTH OF THE PEDESTRIAN PATH OR CUT-THROUGH LESS THAN 2 INCHES MAXIMUM ON EACH SIDE, PLACED AT THE EDGES OF THE PEDESTRIAN ISLAND OR CUT- THROUGH MEDIAN, AND SEPARATED BY 24 INCHES MINIMUM OF WALKING SURFACE WITHOUT DETECTABLE WARNINGS. **§11B- 247.1.2.3, §11B-705.1.2.3**
12. WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE SEPARATED BY DETECTABLE WARNINGS, CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. **§202, §11B-247.1.2.5, §11B- 705.1.2.5**
13. DETECTABLE WARNINGS PROVIDED TO SEPARATE WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE 36 INCHES IN WIDTH AND CONTINUOUS AT THE BOUNDARY BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. **§202, §11B-247.1.2.5, §11B-705.1.2.5**
14. PROVIDE DETECTABLE WARNING DETAILS SHOWING COMPLIANCE WITH THE FOLLOWING:
   a. DETECTABLE WARNING SURFACES AT **TRANSIT BOARDING PLATFORM EDGES, BUS STOPS, HAZARDOUS VEHICULAR AREAS, REFLECTING POOLS, AND TRACK CROSSINGS** SHALL COMPLY WITH SECTION 11B-705.1.1.3.1. **§11B- 705.1.1.3**
   b. DETECTABLE WARNINGS AT OTHER LOCATIONS SHALL COMPLY WITH EITHER SECTION 11B-705.1.1.3.1 OR SECTION 11B- 705.1.1.3.2. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE SURFACE. **§11B-705.1.1.3**
16. DETECTABLE WARNING SURFACES SHALL BE YELLOW AND APPROXIMATE FS 33538 OF FEDERAL STANDARD 595C. **§11B-705.1.1.3.1**
17. DETECTABLE WARNING SURFACES SHALL PROVIDE A 70 PERCENT MINIMUM VISUAL CONTRAST WITH ADJACENT WALKING SURFACES. CONTRAST IN PERCENT SHALL BE DETERMINED BY:
   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
   §11B-705.1.1.3.2 (SEE EXCEPTION) ENTRANCES
18. ENTRANCES SHALL BE PROVIDED IN ACCORDANCE WITH 11B- 206.4 ENTRANCES. ENTRANCE DOORS, DOORWAYS, AND GATES SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES AND SHALL BE ON AN ACCESSIBLE ROUTE COMPLYING WITH 11B-402 ACCESSIBLE ROUTES; (SEE EXCEPTIONS). **§11B-206.4**
19. ALL ENTRANCES AND EXTERIOR GROUND-FLOOR EXITS TO BUILDINGS AND FACILITIES SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. **§11B-206.4.1**
20. WHERE DIRECT ACCESS IS PROVIDED FOR PEDESTRIANS FROM A PARKING STRUCTURE TO A BUILDING OR FACILITY ENTRANCE, EACH DIRECT ACCESS TO THE BUILDING OR FACILITY ENTRANCE SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. **§11B-206.4.2**
21. DIRECT CONNECTIONS TO OTHER FACILITIES SHALL PROVIDE AN ACCESSIBLE ROUTE COMPLYING WITH 11B-404 DOORS, DOORWAYS, AND GATES FROM THE POINT OF CONNECTION TO BOARDING PLATFORMS AND ALL TRANSPORTATION SYSTEM ELEMENTS REQUIRED TO BE ACCESSIBLE. ANY ELEMENTS PROVIDED TO FACILITATE FUTURE DIRECT CONNECTIONS SHALL BE ON AN ACCESSIBLE ROUTE CONNECTING BOARDING PLATFORMS AND ALL TRANSPORTATION SYSTEM ELEMENTS REQUIRED TO BE ACCESSIBLE. **§11B-206.4.4.2 (SEE EXCEPTION)**

TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTES

22. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20 (5%), DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. **§11B-402.2**
23. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48 (2.083%). **§11B-403.3**
24. EXCEPT AT TURNS OR PASSING SPACES, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES MINIMUM. **§11B- 403.5.1**
25. THE CLEAR WIDTH FOR WALKING SURFACES IN CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE 44 INCHES MINIMUM. **§11B-403.5.1 EXCEPTION 2**
26. THE CLEAR WIDTH FOR SIDEWALKS AND WALKS SHALL BE 48 INCHES MINIMUM. **§11B-403.5.1 EXCEPTION 3**
27. THE CLEAR WIDTH FOR AISLES SHALL BE 36 INCHES MINIMUM IF SERVING ELEMENTS ON ONLY ONE SIDE, AND 44 INCHES MINIMUM IF SERVING ELEMENTS ON BOTH SIDES. **§11B- 403.5.1 EXCEPTION 4**
28. THE CLEAR WIDTH FOR ACCESSIBLE ROUTES TO ACCESSIBLE TOILET COMPARTMENTS SHALL BE 44 INCHES EXCEPT FOR DOOR- OPENING WIDTHS AND DOOR SWINGS. **§11B-403.5.1 EXCEPTION 5**

DOORS, DOORWAYS, AND GATES

29. DOORS, DOORWAYS, AND GATES PROVIDING USER PASSAGE SHALL BE PROVIDED IN ACCORDANCE WITH 11B-206.5 DOORS, DOORWAYS, AND GATES. **§11B-206.5**
30. DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. **§11B-404.1**
31. REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. **§11B-402.2.1**
32. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 11B-404.2.3 CLEAR WIDTH AND 11B-404.2.4 MANEUVERING CLEARANCES. **§11B-404.2.2**
33. 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 NOT EXCEED 4 INCHES. **§11B-404.2.3**
34. MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH 11B-404.2.4 MANEUVERING CLEARANCES. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE. **§11B-404.2.4**
35. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.1. **§11B- 404.2.4.1**
36. DOORWAYS LESS THAN 36 INCHES WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B- 404.2.4.2. **§11B-404.2.4.2**
37. 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**
38. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE ½ INCH HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES AND 11B-303 CHANGES IN LEVEL. **§11B- 404.2.5.**
39. 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**
40. 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.
41. 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 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 CAPPED. **§11B-404.2.10**

RAMPS

42. PROVIDE RAMP DETAILS, INCLUDING SLOPE, LANDINGS, AND HANDRAILS.
43. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8.33%). **§11B-405.2**
44. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48 (2.083%). **§11B-405.3**
45. FLOOR OR GROUND SURFACES OF RAMP RUNS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES. CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS. **§11B-405.4**
46. THE CLEAR WIDTH OF A RAMP RUN SHALL BE 48 INCHES MINIMUM. **§11B-405.5**
47. THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM.**§11B-405.6**
48. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. **§11B-405.7**
49. LANDINGS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES. CHANGES IN LEVEL ARE NOT PERMITTED. **§11B- 405.7.1**
50. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. **§11B-405.7.2**
51. TOP LANDINGS SHALL BE 60 INCHES WIDE MINIMUM. **§11B- 405.7.2.1**
52. THE LANDING CLEAR LENGTH SHALL BE 60 INCHES LONG MINIMUM. **§11B-405.7.3**
53. BOTTOM LANDINGS SHALL EXTEND 72 INCHES MINIMUM IN THE DIRECTION OF RAMP RUN. **§11B-405.7.3.1**
54. 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**
55. 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. **§11B-405.7.5**
56. RAMP RUNS SHALL HAVE COMPLIANT HANDRAILS PER 11B-505 HANDRAILS. **§11B-405.8**
57. 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)**
58. 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**
59. LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER. **§11B-405.10**

HANDRAILS

60. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS. **§11B-505.2**
61. 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**
62. 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. **§11B-505.4**
63. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1½ INCHES MINIMUM. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS 3 INCHES MAXIMUM DEEP AND 18 INCHES MINIMUM CLEAR ABOVE THE TOP OF THE HANDRAIL. **§11B-505.5**
64. 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**
65. HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1¼ INCHES MINIMUM AND 2 INCHES MAXIMUM. **§11B-505.7.1**
66. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 6¼ INCHES MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2¼ INCHES MAXIMUM. **§11B-505.7.2**
67. HANDRAIL GRIPPING SURFACES SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND RAMP RUNS IN ACCORDANCE WITH SECTION 11B-505.10 HANDRAIL EXTENSIONS. **§11B-505.10**
68. IN ALTERATIONS, WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF STAIR FLIGHT OR RAMP RUN WOULD CREATE A HAZARD, THE EXTENSION OF THE HANDRAIL MAY BE TURNED 90 DEGREES FROM THE DIRECTION OF STAIR FLIGHT OR RAMP RUN.**§11B-505.10 EXCEPTION 3**
69. 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. **§11B-505.10.1**
70. 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 STAIR FLIGHT. **§11B-505.10.2**
71. 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**

STAIRWAYS

72. A STAIR IS DEFINED AS A CHANGE IN ELEVATION, CONSISTING OF ONE OR MORE RISERS. **§11B-202**
73. 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. (SEE EXCEPTION) **§11B-504.2**
74. OPEN RISERS ARE NOT PERMITTED. **§11B-504.3 (SEE EXCEPTIONS)**
75. 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**
76. 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 1¼ INCHES MAXIMUM OVER THE TREAD BELOW. **§11B-504.5 (SEE EXCEPTION FOR EXISTING BUILDINGS)**
77. STAIRS SHALL HAVE HANDRAILS COMPLYING WITH SECTION 11B- 505 HANDRAILS. **§11B-504.6**
78. STAIR TREADS AND LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER.**§11B-504.7**
79. 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

80. PERPENDICULAR RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8.33%). **§11B-406.2.1**
81. FOR PERPENDICULAR RAMPS, WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER THAN 1:10. **§11B-406.2, FIGURE 11B-406.2.2**
82. 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**
83. 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 SPACE IN ALL DIRECTIONS SHALL BE 1:48 MAXIMUM (2.083%). **§11B-406.3.2**
84. BLENDED TRANSITION RAMPS HALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:20 (5%). **§11B-406.4.1**
85. 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**
86. THE CLEAR WIDTH OF CURB RAMP RUNS (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITIONS, AND TURNING SPACES SHALL BE 48 INCHES MINIMUM. **§11B-406.5.2**
87. 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 (2.083%) MAXIMUM. **§11B-406.5.3**
88. 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**
89. THE CROSS SLOPE OF CURB RAMPS AND BLENDED TRANSITIONS SHALL BE 1:48 (2.083%) MAXIMUM. **§11B-406.5.7**
90. 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**
91. 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**
92. CURB RAMPS AND BLENDED TRANSITIONS SHALL HAVE DETECTABLE WARNINGS COMPLYING WITH 11B-705 DETECTABLE WARNINGS. **§11B-406.5.12**
93. 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

PARKING SPACES

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. PROVIDE ( ) ACCESSIBLE PARKING SPACES AS REQUIRED BY TABLE 11B-208.2. **§11B-208.2 (SEE EXCEPTIONS)**
3. PROVIDE ACCESSIBLE SPACES FOR EACH PARKING FACILITY (PARKING LOTS AND PARKING STRUCTURES). THE NUMBER OF PARKING SPACES REQUIRED TO BE ACCESSIBLE IS TO BE CALCULATED SEPARATELY FOR EACH PARKING FACILITY; THE REQUIRED NUMBER IS NOT BASED ON THE TOTAL NUMBER OF PARKING SPACES PROVIDED IN ALL OF THE PARKING FACILITIES PROVIDED ON SITE. **§11B-208**
4. TEN PERCENT OF PATIENT AND VISITOR PARKING SPACES PROVIDED TO SERVE HOSPITAL OUTPATIENT FACILITIES, AND FREE- STANDING BUILDINGS PROVIDING OUTPATIENT CLINICAL SERVICES OF A HOSPITAL, SHALL COMPLY WITH SECTION 11B-502 PARKING SPACES. **§11B-208.2.1**
5. TWENTY PERCENT OF PATIENT AND VISITOR PARKING SPACES PROVIDED TO SERVE REHABILITATION FACILITIES SPECIALIZING IN TREATING CONDITIONS THAT AFFECT MOBILITY AND OUTPATIENT PHYSICAL THERAPY FACILITIES SHALL COMPLY WITH SECTION 11B-502 PARKING SPACES. **§11B-208.2.2**
6. ONE IN EVERY SIX OR FRACTION OF SIX PARKING SPACES REQUIRED BY SECTION 11B-208.2 MINIMUM NUMBER, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESS AISLE 96 INCHES WIDE MINIMUM PLACED ON THE SIDE OPPOSITE THE DRIVER'S SIDE WHEN THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE AND SHALL BE DESIGNATED "VAN ACCESSIBLE". ALL SUCH SPACES MAY BE GROUPED ON ONE LEVEL OF A PARKING STRUCTURE. **§11B-208.2.4, 11B-502, FIG 11B-502, 11B-502.3, & 11B-502.3.3**
7. ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B- 502 PARKING SPACES SERVING A PARTICULAR BUILDING OR FACILITY SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE (AS NEAR AS PRACTICAL TO AN ACCESSIBLE ENTRANCE). **§11B-208.3.1**
8. IN BUILDINGS WITH MULTIPLE ACCESSIBLE ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B-502 PARKING SPACES SHALL BE DISPERSED AND LOCATED CLOSEST TO THE ACCESSIBLE ENTRANCES. **§11B-208.3.1**
9. IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING OR FACILITY, ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B-502 PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY. **§11B-208.3.1**
10. DIMENSION MINIMUM 18-FOOT LONG CAR AND VAN ACCESSIBLE PARKING SPACE(S) AND ACCESS AISLE(S). **§11B-502.2, FIGURES 11B-502.2 AND 11B-502.3**
11. DIMENSION MINIMUM 9-FOOT WIDTH AT ACCESSIBLE CAR PARKING SPACE. **§11B-502.2, FIG. 11B-502.2 & FIG. 11B-502.3**
12. DIMENSION MINIMUM 12-FOOT WIDE ACCESSIBLE VAN PARKING SPACE WITH MINIMUM 5-FOOT WIDE ACCESS AISLE. VAN PARKING SPACES SHALL BE PERMITTED TO BE MINIMUM 9 FEET WIDE WHERE ACCESS AISLE IS 8-FOOT WIDE MINIMUM. **§11B-502.2, FIGURES 11B-502.2 AND 11B-502.3**
13. CAR AND VAN STALL ACCESS AISLE SHALL BE 5 FOOT WIDE MINIMUM AND SHALL ADJOIN AN ACCESSIBLE ROUTE. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE. **§11B-502.3, FIGURES 11B-502.2 AND 11B-502.3**
14. ACCESS AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BLUE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 36 INCHES ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE SURFACE WITHIN EACH ACCESS AISLE IN WHITE LETTERS A MINIMUM OF 12 INCHES IN HEIGHT AND LOCATED TO BE VISIBLE FROM THE ADJACENT VEHICULAR WAY. ACCESS AISLE MARKINGS MAY EXTEND BEYOND THE MINIMUM REQUIRED LENGTH. **§11B-502.3.3, FIGURE 11B-502.3.3**
15. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES. **§11B-502.3.4**
16. CLEARLY SHOW MINIMUM VERTICAL CLEARANCE OF 8 FEET 2 INCHES AT ACCESSIBLE PARKING SPACES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE TO SUCH SPACES FROM SITE ENTRANCES AND EXITS. **§11B-502.5**
17. PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY. **§11B-502.6, FIGURE 11B-703.7.2.1**
18. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN WITH THE DESIGNATION "VAN ACCESSIBLE." SIGNS SHALL BE 60 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN. **§11B-502.6**
19. PARKING IDENTIFICATION SIGNS SHALL BE REFLECTORIZED WITH A MINIMUM AREA OF 70 SQUARE INCHES. **§11B-502.6.1**
20. ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FINE $250." **§11B-502.6.2**
21. A PARKING SPACE IDENTIFICATION SIGN SHALL BE VISIBLE FROM EACH PARKING SPACE. SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE PARKING SPACE OR WITHIN THE PROJECTED PARKING SPACE WIDTH AT THE HEAD END OF THE PARKING SPACE. SIGNS MAY ALSO BE PERMANENTLY POSTED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE. **§11B-502.6.3**
22. EACH ACCESSIBLE CAR AND VAN SPACE SHALL HAVE SURFACE IDENTIFICATION COMPLYING WITH EITHER OF THE FOLLOWING SCHEMES: **§11B-502.6.4**
   a. THE PARKING SPACE SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A BLUE BACKGROUND A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE LENGTH. **§11B-502.6.4.1**
   b. THE PARKING SPACE SHALL BE OUTLINED OR PAINTED BLUE AND SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH IN WHITE OR A SUITABLE CONTRASTING COLOR. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE. **§11B-502.6.4.2**
23. AN ADDITIONAL SIGN SHALL BE POSTED EITHER; 1) IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO AN OFF-STREET PARKING FACILITY OR 2) IMMEDIATELY ADJACENT TO ON-SITE ACCESSIBLE PARKING AND VISIBLE FROM EACH PARKING SPACE. **§11B-502.8**
   a. THE ADDITIONAL SIGN SHALL NOT BE LESS THAN 17 INCHES WIDE BY 22 INCHES HIGH. **§11B-502.8.1**
   b. THE ADDITIONAL SIGN SHALL CLEARLY STATE IN LETTERS WITH A MINIMUM HEIGHT OF 1 INCH THE FOLLOWING: **§11B- 502.8.2**
   "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT:______________OR BY TELEPHONING______________."
   BLANK SPACES SHALL BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN.
24. SIGNS INTENDED FOR USE BY PEDESTRIANS WITHIN PARKING FACILITIES, INCLUDING DIRECTIONAL OR INFORMATIONAL SIGNS INDICATING PARKING SECTIONS OR LEVELS, SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 11B-216. **§11B-216.5.2**

RELATIONSHIP TO ACCESSIBLE ROUTES

25. PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SO THAT PERSONS USING THEM ARE NOT REQUIRED TO TRAVEL BEHIND PARKING SPACES OTHER THAN TO PASS BEHIND THE PARKING SPACE IN WHICH THEY PARKED. **§11B-502.7.1**
26. A CURB OR WHEEL STOP SHALL BE PROVIDED IF REQUIRED TO PREVENT ENCROACHMENT OF VEHICLES OVER THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES. **§11B-502.7.2**

PASSENGER LOADING ZONES, DROP-OFF ZONES, AND BUS STOPS

27. PARKING FACILITIES THAT PROVIDE VALET PARKING SERVICES SHALL PROVIDE AT LEAST ONE PASSENGER LOADING ZONE COMPLYING WITH SECTION 11B-503 PASSENGER DROP-OFF AND LOADING ZONES. THE PARKING REQUIREMENTS OF SECTION 11B-208.1 PARKING SPACES GENERAL APPLY TO FACILITIES WITH VALET PARKING. **§11B-209.4**
28. MECHANICAL ACCESS PARKING GARAGES SHALL PROVIDE AT LEAST ONE PASSENGER-LOADING ZONE COMPLYING WITH SECTION 11B-503 PASSENGER DROP-OFF AND LOADING ZONES AT VEHICLE DROP-OFF AND VEHICLE PICK-UP AREAS.**§11B-209.5**

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29. PASSENGER DROP-OFF AND LOADING ZONES SHALL PROVIDE A VEHICULAR PULL-UP SPACE 96 INCHES WIDE MINIMUM AND 20 FEET LONG MINIMUM. **§11B-503.2**

30. PASSENGER DROP-OFF AND LOADING ZONES SHALL PROVIDE ACCESS AISLES COMPLYING WITH THE FOLLOWING ADJACENT AND PARALLEL TO THE VEHICLE PULL-UP SPACE. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE AND SHALL NOT OVERLAP THE VEHICULAR WAY. **§11B-503.3**

a. ACCESS AISLES SERVING VEHICLE PULL-UP SPACES SHALL BE 60 INCHES WIDE MINIMUM. **§11B-503.3.1**

b. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE VEHICLE PULL-UP SPACES THEY SERVE. **§11B-503.3.2**

c. ACCESS AISLES SHALL BE MARKED WITH A PAINTED BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 36 INCHES ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE **§11B- 503.3.3**

31. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH SECTION 11B-302 FLOOR OR GROUND SURFACES. ACCESS AISLES SHALL BE AT THE SAME LEVEL ASTHE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED. **§11B-503.4**

32. VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM, AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SHALL PROVIDE A VERTICAL CLEARANCE OF 114 INCHES MINIMUM. **§11B-503.5**

33. EACH PASSENGER-LOADING ZONE DESIGNATED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A REFLECTORIZED SIGN COMPLYING WITH SECTION 11B-703.5 VISUAL CHARACTERS. IT SHALL BE PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM THE PASSENGER-LOADING ZONE STATING "PASSENGER LOADING ZONE ONLY" AND INCLUDING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) COMPLYING WITH SECTION 11B-703.7.2.1 ISA. **§11B-503.6**

E.PLUMBING FIXTURES AND FACILITIES

DRINKING FOUNTAINS

1. NO FEWER THAN TWO DRINKING FOUNTAINS SHALL BE PROVIDED. WHEN PROVIDED, ONE DRINKING FOUNTAIN SHALL COMPLY WITH 11B-602.1 THROUGH 11B-602.6, 11B-602.8 AND 11B-602.9 AND ONE DRINKING FOUNTAIN SHALL COMPLY WITH 11B-602.7 AND 11B-602.9. **§11B-211.2 (SEE EXCEPTION)**
2. WHERE MORE THAN THE MINIMUM NUMBER OF DRINKING FOUNTAINS SPECIFIED IN 11B-211.2 ARE PROVIDED, 50 PERCENT OF THE TOTAL NUMBER OF DRINKING FOUNTAINS PROVIDED SHALL COMPLY WITH 11B-602.1 THROUGH 11B- 602.6, 11B-602.6, 11B-602.8 AND 11B-602.9 AND 50 PERCENT OF THE TOTAL NUMBER OF DRINKING FOUNTAINS PROVIDED SHALL COMPLY WITH 11B-602.7 AND 11B-602.9.
§11B-211.3 (SEE EXCEPTION)
3. DRINKING FOUNTAINS SHALL COMPLY WITH SECTIONS 11B-307 PROTRUDING OBJECTS AND 11B-602 GENERAL REQUIREMENTS. **§11B-602.1**
4. 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 PROVIDED. **§11B-602.2**
5. WHERE DRINKING FOUNTAINS ARE USED BY CHILDREN, A PARALLEL APPROACH COMPLYING WITH SECTION 11B-305 CLEAR FLOOR OR GROUND SURFACES SHALL BE PERMITTED AT UNITS WHERE THE SPOUT IS 30 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND AND IS 3½" MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. **§11B-602.2 (SEE EXCEPTION)**
6. SPOUT OUTLETS SHALL BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. **§11B-602.4**
7. 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**
8. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4INCHES 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**
9. 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**
10. WALL AND POST-MOUNTED CANTILEVERED DRINKING FOUNTAINS SHALL BE 18 INCHES MINIMUM AND 19 INCHES MAXIMUM IN DEPTH. **§11B-602.8**
11. 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

12. WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED, THEY SHALL COMPLY WITH 11B-213 TOILET FACILITIES AND BATHING FACILITIES. WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED IN FACILITIES PERMITTED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES EXCEPTIONS 1 AND 2 NOT TO CONNECT STORIES BY AN ACCESSIBLE ROUTE, TOILET FACILITIES AND BATHING FACILITIES SHALL BE PROVIDED ON A STORY CONNECTED BY AN ACCESSIBLE ROUTE TO AN ACCESSIBLE ENTRANCE. **§11B-213.1**

13. WHERE SEPARATE TOILET FACILITIES ARE PROVIDED FOR THE EXCLUSIVE USE OF SEPARATE USER GROUPS, THE TOILET FACILITIES SERVING EACH USER GROUP SHALL COMPLY WITH 11B-213 TOILET FACILITIES AND BATHING FACILITIES. **§11B- 213.1.1**

14. WHERE TOILET ROOMS ARE PROVIDED, EACH TOILET ROOM SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS. WHERE BATHING ROOMS ARE PROVIDED, EACH BATHING ROOM SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS. **§11B-213.2 (SEE EXCEPTION)**

15. UNISEX TOILET ROOMS SHALL CONTAIN NOT MORE THAN ONE LAVATORY, AND NOT MORE THAN TWO WATER CLOSETS WITHOUT URINALS OR ONE WATER CLOSET AND ONE URINAL. UNISEX BATHING ROOMS SHALL CONTAIN ONE SHOWER OR ONE SHOWER AND ONE BATHTUB, ONE LAVATORY, AND ONE WATER CLOSET. DOORS TO UNISEX TOILET ROOMS AND UNISEX BATHING ROOMS SHALL HAVE PRIVACY LATCHES. **§11B-213.2.1**

16. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. OTHER THAN THE DOOR TO THE ACCESSIBLE WATER CLOSET COMPARTMENT, A DOOR IN ANY POSITION MAY ENCROACH INTO THE TURNING SPACE BY 12 INCHES MAXIMUM. **§11B-603.2.3**

17. AT SINGLE USER TOILET OR BATHING ROOMS, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE ONLY IF A 30 INCH BY 48-INCH MINIMUM CLEAR FLOOR SPACE IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING. **§11B-603.2.3 (SEE EXCEPTION)**

18. 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**

19. 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**

20. 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**

21. BATHTUBS SHALL COMPLY WITH SECTION **11B-607** INCLUDING THE REQUIREMENTS FOR CLEARANCES, GRAB BARS, SEATS, CONTROLS, SHOWER SPRAY UNIT AND WATER AND BATHTUB ENCLOSURES.

22. SHOWER COMPARTMENTS SHALL COMPLY WITH SECTION **11B- 608** INCLUDING THE REQUIREMENTS FOR CLEARANCES, GRAB BARS, SEATS, CONTROLS, SHOWER SPRAY UNIT AND WATER, THRESHOLDS, SHOWER ENCLOSURES, SHOWER FLOOR OR GROUND SURFACE AND SOAP DISH.

WATER CLOSETS AND TOILET COMPARTMENTS

23. WHERE TOILET COMPARTMENTS ARE PROVIDED, AT LEAST 5 PERCENT BUT NO FEWER THAN ONE TOILET COMPARTMENT SHALL COMPLY WITH SECTION 11B-604.8.1. IN ADDITION TO THE COMPARTMENTS REQUIRED TO COMPLY WITH 11B-604.8.1, WHERE SIX OR MORE TOILET COMPARTMENTS ARE PROVIDED, OR WHERE THE COMBINATION OF URINALS AND WATER CLOSETS TOTALS SIX OR MORE FIXTURES, TOILET COMPARTMENTS COMPLYING WITH SECTION 11B-604.8.2 SHALL BE PROVIDED IN THE SAME QUANTITY AS THE TOILET COMPARTMENTS REQUIRED TO COMPLY WITH SECTION 11B-604.8.1 **§11B- 213.3.1**

24. WHERE WATER CLOSETS ARE PROVIDED, AT LEAST 5 PERCENT BUT NO FEWER THAN ONE SHALL COMPLY WITH SECTION 11B- 604. **§11B-213.3.2**

25. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 17 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN SECTION 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH. **§11B-604.2**

26. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDEWALL AND 56 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. **§11B-604.3.1**

27. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG THE RETURN TO A LIFTED POSITION. SEATS SHALL BE 2 INCHES HIGH MAXIMUM AND A 3-INCH HIGH SEAT SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15 INCHES HIGH. **§11B-604.4 (SEE EXCEPTION FOR RESIDENTIAL UNITS)**

28. THE SIDEWALL GRAB BARS SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES MINIMUM IN FRONT OF THE WATER CLOSET. **§11B-604.5.1**

29. THE REAR GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. **§11B-604.5.2 (SEE EXCEPTION)**

30. 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. **§11B-604.6**

31. 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**

32. WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF SECTIONS 11B-604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS AND 11B-604.8.3 COAT HOOKS AND SHELVES. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING FIXTURE SHALL COMPLY WITH SECTION 11B-603 TOILET AND BATHING ROOMS. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH SECTIONS 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS AND 11B-604.8.3 COAT HOOKS AND SHELVES. **§11B-604.8**

33. IN A WHEELCHAIR ACCESSIBLE COMPARTMENT WITH AN IN- SWING DOOR, A MINIMUM 60 INCHES WIDE BY 36 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE CLEARANCE REQUIRED IN SECTION 11B-604.8.1.1 WHEELCHAIR ACCESSIBLE COMPARTMENT SIZE. **§11B- 604.8.1.1.1, FIGURES 11B-604.8.1.1.2(B) AND 11B-604.8.1.1.3(B)**

34. IN A WHEELCHAIR ACCESSIBLE COMPARTMENT WITH A DOOR LOCATED IN THE SIDE WALL OR PARTITION, EITHER IN-SWINGING OR OUT-SWINGING, A MINIMUM 60 INCHES WIDE AND 60 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.**§11B-604.8.1.1.2 FIGURE 11B- 604.8.1.1.2**

35. IN A WHEEL CHAIR ACCESSIBLE COMPARTMENT WITH END- OPENING DOOR LOCATED IN THE FRONT WALL OR PARTITION (FACING WATER CLOSET), EITHER IN-SWINGING OR OUT-SWINGING, A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. **§11B-604.8.1.1.3 FIGURE 11B-604.8.1.1.3**

36. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH SECTION 11B-404 DOORS, DOORWAYS, AND GATES EXCEPT THAT IF THE APPROACH IS FROM THE PUSH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 48 INCHES MINIMUM MEASURED PERPENDICULAR TO THE COMPARTMENT DOOR IN ITS CLOSED POSITION. DOOR SHALL BE LOCATED IN FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. **§11B-604.8.1.2**

37. WHERE TOILET COMPARTMENT DOORS ARE LOCATED IN THE FRONT PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE SIDEWALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDEWALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE FRONT PARTITION AND THE DOOR SHALL BE SELF-CLOSING. **§11B- 604.8.1.2**

38. A DOOR PULL COMPLYING WITH SECTION 11B-404.2.7 DOOR AND GATE HARDWARE SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS MAY SWING INTO THAT PORTION OF THE MANEUVERING SPACE WHICH DOES NOT OVERLAP THE CLEARANCE REQUIRED AT A WATER CLOSET. **§11B-604.8.1.2 (SEE EXCEPTION)**

39. AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES DEEP MINIMUM BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS. PARTITION COMPONENTS AT TOE CLEARANCES SHALL BE SMOOTH WITHOUT SHARP EDGES OR ABRASIVE SURFACES. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES MINIMUM ABOVE THE FINISH FLOOR.**§11B-604.8.1.4**

40. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL HAVE A DEPTH OF 35 INCHES MINIMUM AND 37 INCHES MAXIMUM.**§11B-604.8.2.1**

41. WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE SHALL COMPLY WITH SECTION 11B-604.9 WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE AND FOLLOW SUGGESTED DIMENSIONS ON TABLE 11B-604.9. **§11B- 604.9**

42. WHERE URINALS ARE PROVIDED, AT LEAST 10 PERCENT BUT NO FEWER THAN ONE SHALL COMPLY WITH SECTION 11B-605.
§11B-213.3.3.

43. 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**

44. 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**

45. WHERE LAVATORIES ARE PROVIDED, AT LEAST 10 PERCENT BUT NO FEWER THAN ONE SHALL COMPLY WITH SECTION 11B-606 AND SHALL NOT BE LOCATED IN A TOILET COMPARTMENT. **§11B- 213.3.4, §11B-606.1.**

46. 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**

47. 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

48. 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**

49. 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. **§11B-703.6.1**

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.**

50. 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 POINTING UPWARD. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. **§11B-703.7.2.6.1**

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, ¼ INCH THICK AND 12 INCHES IN DIAMETER WITH A ¼ 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

51. WASHING MACHINES AND CLOTHES DRYER'S OPERABLE PARTS MUST COMPLY WITH SECTION 11B-309 OPERABLE PARTS.**§11B-611.3**

52. 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**

F.COMMUNICATION ELEMENTS AND FEATURES

FIRE ALARM SYSTEMS

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)**
2. ALARMS IN PUBLIC USE AREAS AND COMMON USE AREAS SHALL COMPLY WITH 702 CHAPTER 9, SECTION 907.5.2.3.1.
§11B-215.2
3. 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 (1999 OR 2002 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1), EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, ALARMS IN GUEST ROOMS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 (1999 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2002 EDITION). AND CHAPTER 9, SECTIONS 907.5.2.1
4. (CONT). AND 907.5.2.3 **§11B-702.1**

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.
§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. **§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. **§202**
7. PROVIDE ( ) ASSISTIVE LISTENING SYSTEMS. AMINIMUM NUMBER OF RECEIVERS EQUAL TO 4 PERCENT OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. §11B-219.3
8. 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 (SEE EXCEPTION)**
9. 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**
10. 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**
11. 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**
12. PORTABLE ASSISTIVE-LISTENING SYSTEMS MAY SERVE MORE THAN ONE CONFERENCE OR MEETING ROOMS IF AN ADEQUATE NUMBER OF ELECTRICAL OUTLETS OR OTHER SUPPLEMENTARY WIRING IS PROVIDED AND PERMANENTLY INSTALLED SYSTEMS ARE NOT REQUIRED. **§11B-219.5**
13. RECEIVERS REQUIRED FOR USE WITH AN ASSISTIVE LISTENING SYSTEM SHALL INCLUDE A 1/8 INCH STANDARD MONO JACK.
§11B-706.2
14. RECEIVERS REQUIRED TO BE HEARING AID COMPATIBLE SHALL INTERFACE WITH TELECOILS IN HEARING AIDS THROUGH THE PROVISION OF NECK LOOPS. **§11B-706.3**
15. 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
16. SIGNAL-TO-NOISE RATIO FOR INTERNALLY GENERATED NOISE IN ASSISTIVE LISTENING SYSTEMS SHALL BE 18 DB MINIMUM.
§11B-706.5
17. PEAK CLIPPING SHALL NOT EXCEED 18 DB OF CLIPPING RELATIVE TO THE PEAKS OF SPEECH. **§11B-706.6**

TWO-WAY COMMUNICATION SYSTEMS

18. 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, §11B-708**
19. 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. **§11B-708.4.1**
20. 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

21. 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**
22. 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**
23. PROVIDE (_) WHEELCHAIR ACCESSIBLE TELEPHONES IN ACCORDANCE WITH TABLE 11B-217.2.
24. ALL PUBLIC TELEPHONES SHALL HAVE VOLUME CONTROLS COMPLYING WITH 11B-704.3. **§11B-217.3**
25. TTYS COMPLYING WITH 11B-704.4 SHALL BE PROVIDED IN ACCORDANCE WITH 11B-217.4.
26. 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)**

G. SPECIAL ROOMS, SPACES, AND ELEMENTS

KITCHENS, KITCHENETTES AND WET BARS

1. SINKS SHALL COMPLY WITH 11B-606 LAVATORIES AND SINKS.
§11B-804.4

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C23674
Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA

DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

COMMERCIAL ACCESSIBLITY NOTES

SHEET NO.

T-2.1

GREEN BUILDING CODE NOTES

NON-RESIDENTIAL BUILDINGS

1. State on plans that the outdoor lighting systems shall be designed and installed to comply with all of the following:
   a. The minimum requirements in California Energy Code for Lighting Zones 1-4
   b. Backlight, Uplight and Glare (BUG) ratings as defined in IESNA TM-15-11
   c. Allowable BUG ratings not exceeding those shown in on Table 5.106.8. (5.106.8)

2. Separate submeters shall be installed in any building or new space within a building that is projected to consume more than 1,000 gal/day. (5.303.1.2)

3. New plumbing fixtures and fittings shall not exceed the maximum allowable flow rate specified in Section 5.303.3. (5.303.3)

4. 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 80psi, or the shower shall be designed to only allow one showerhead to be in operation at a time. (5.303.3.3)

5. For projects that include landscape work, the Landscape Certification Form shall be completed prior to final inspection approval. (State Assembly Bill No. 1881)

6. Installed automatic irrigation system controllers are weather- or soil-based controllers. (WMELO, § 492.7)

7. Weather-resistant exterior wall and foundation envelope shall be detailed in conformance with California Building Code Section 1403.2 and California Energy Code Section 150. (5.407.1)

8. Automatic landscape irrigators shall be installed such that it doesn't spray on the structure. (5.407.2.1)

9. New exterior entries and openings subject to foot traffic shall be protected against water intrusion using features such as overhangs, awnings and/or recesses for a combined depth over the entry of at least 4 feet. (5.407.2.2.1)

10. Nonabsorbent interior floor and wall finishes shall be used within at least two feet around and perpendicular to new exterior entries and/or opening subject to foot traffic. (5.407.2.2.1)

11. Exterior entries shall have flashing integrated with the drainage plane. (5.407.2.2.2)

12. Only a City of Compton certified hauler will be used for hauling of construction waste. (5.408.1)

13. 100% of excavated soil and vegetation resulting from land clearing shall be reused or recycled. (5.408.3)

14. A final report for the testing and adjusting of all new systems shall be completed and provided to the field inspector prior to final approval. This report shall be signed by the individual responsible for performing these services. (5.410.4.4)

15. For all new equipment, an Operation & Systems Manual shall be provided to the owner and the field inspector at the time of final inspection. (5.410.4.5)

16. All new gas fireplaces must be direct-vent, sealed combustion type. Wood burning fireplaces are prohibited per AQMD Rule 445. (5.503.1, AQMD Rule 445)

17. If the new HVAC system is used during construction, use return air filters with a MERV of 8. Replace all filters immediately prior to occupancy. (5.504.1.3)

18. All new ducts and other new related air distribution components openings shall be covered with tape, plastic, or sheet metal until the final startup of the heating, cooling and ventilating equipment. (5.504.3)

19. Architectural paints and coatings, adhesives, caulks and sealants shall comply with the Volatile Organic Compound (VOC) limits listed in Tables 5.504.4.1-5.504.4.3. (5.504.4.1- 5.504.4.3)

20. The VOC Content Verification Checklist, Form GRN 2, shall be completed and verified prior to final inspection approval. The manufacturer's specifications showing VOC content for all applicable products shall be readily available at the job site and be provided to the field inspector for verification. (5.504.4.3.2)

21. All new carpet installed in the building interior meets the testing and product requirements of one of the following:
   a. Carpet and Rug Institute's Green Label Plus Program
   b. California Department of Public Health's Specification 01350
   c. NSF/ANSI 140 at the Gold level
   d. Scientific Certifications Systems Indoor Advantage™ Gold (5.504.4.4)

22. All new carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program. (5.504.4.4.1)

23. New hardwood plywood, particle board, and medium density fiberboard composite wood products used in the interior or exterior of the building shall meet the formaldehyde limits. (5.504.4.5, 10.504.4.5)

24. The Formaldehyde Emissions Verification Checklist, Form GRN 3, shall be completed prior to final inspection approval. The manufacturer's specifications showing formaldehyde content for all applicable wood products shall be readily available at the job site and be provided to the field inspector for verification. (5.504.4.5)

25. 80% of the total area receiving new resilient flooring shall comply with one or more of the following:
   a. VOC emission limits defined in the CHPS High Performance Products Database
   b. Certified under UL GREENGUARD Gold
   c. Certification under the Resilient Floor Covering Institute (RFCI) FloorScore program
   d. Meet the California Department of Public Health's Specification 01350 (5.504.4.6)

26. Mechanically ventilated buildings shall have air filter with a Minimum Efficiency Reporting Value (MERV) of 13 or higher. Filters shall be installed prior to occupancy and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. (5.504.5.3)

27. Designated outdoor smoking area shall be at least 25 feet from an outdoor air intake or operable windows. (5.504.7)

28. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2 Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 (5.505.1)

29. Buildings that use Demand Control Ventilation shall have CO2 sensors and ventilation controls installed in accordance with the requirements of the current edition of the California Energy Code, CCR, Title 24, Part 6, Section 121(e). (5.506.2)

30. The HVAC, refrigeration, and fire suppression equipment shall not contain CFC or Halons. (5.508.1.)

31. Retail food stores of 8,000 sq. ft. or more of conditioned area that have a commercial refrigeration system with a global warming potential (GWP) of 150 or greater shall have leak reduction measures in accordance with CGBC Section 5.508.2. Separate mechanical plan check is required. (5.508.2)

VOC AND FORMALDEHYDE LIMITS

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS [2,3]
Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY [2,3]	CURRENT LIMIT
Flat coatings	50
Nonflat coatings	50
Nonflat-high gloss coatings	50
Specialty Coatings	
Aluminum roof coatings	100
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	100
Concrete curing compounds, Roadways & Bridges	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	50
Faux finishing coatings	
Clear Top Coat	100
Decorative Coatings	350
Glazes	350
Japan	350
Trowel Applied Coatings	50
Fire resistive coatings	150
Floor coatings	50
Form-release compounds	100
Graphic arts coatings (sign paints)	200
High temperature coatings	420
Industrial maintenance coatings	100
Low solids coatings[1]	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	150
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Roof coatings, aluminum	100
Rust preventative coatings	100
Shellacs	
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	100
Stains, Interior	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	100
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	100

[1] Grams of VOC per liter of coating, including water and including exempt compounds.
[2] The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
[3] Some values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 5, 2016. More information is available from the Air Resources Board.

FORMALDEHYDE LIMITS[1]
Maximum Formaldehyde Emissions in Parts per Million.

PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard[2]	0.13

[1] Values in this table are derived from those specified by the California Air Resources Board, 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 93120.12.
[2] Thin medium density fiberboard has a maximum thickness of 5/16 inches (8 mm).

SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
Architectural	50
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural	
Nonporous	250
Porous	775
Modified bituminous 500	500
Marine deck	760
Other	750

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

ADHESIVE VOC LIMIT 1,2
Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	50
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	100
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

[1] If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed.
[2] For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168, http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF.

PLUMBING FIXTURE FLOW RATES

Non-Residential Occupancies

SECTION 5.303.2
WATER REDUCTION FIXTURE FLOW RATES

FIXTURE TYPE	MAXIMUM ALLOWABLE FLOW RATE
Showerheads	1.8 gpm @ 80 psi
Lavatory faucets, residential	1.2 gpm @ 60 psi[1,3]
Lavatory Faucets, nonresidential	0.4 gpm @ 60 psi[1,3]
Kitchen faucets	1.5 gpm @ 60 psi[2,4,5]
Wash fountains	1.8 gpm for every 20 in. of rim space @60 psi
Metering faucets	0.2 gallons/cycle
Metering faucets for wash fountains	0.2 gpm for every 20 in. of rim space @ 60 psi
Gravity tank type water closets	1.28 gallons/flush[6]
Flushometer tank water closets	1.28 gallons/flush[6]
Flushometer valve water closets	1.28 gallons/flush[6]
Urinals	0.125 gallons/flush
Clothes Washers	ENERGY-STAR certified
Dishwashers	ENERGY-STAR certified

[1] Lavatory faucets shall not have a flow rate less than 0.8 gpm at 20 psi.
[2] Kitchen faucets may temporarily increase flow above the maximum rate, but not above 2.2gpm @ 60psi and must default to a maximum flow rate of 1.8 gpm @ 60psi.
[3] Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.
[4] Kitchen faucets with a maximum 1.8 gpm flow rate may be installed in buildings that have water closets with a maximum flush rate of 1.06 gallons/flush installed throughout
[5] This requirement does not apply to faucets in commercial kitchens.
[6] Includes single and dual flush water closets with an effective flush of 1.28 gallons or less.
Single Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.233.2.
Dual Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.

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LICENSED ARCHITECT
EDWIN R MOHABIR
C23674
Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA	
DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE
GREEN NOTES

SHEET NO.
T-2.2

AIA California

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y | N/A | RESPON. PARTY

CHAPTER 3
GREEN BUILDING
SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no banner will be used.

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 *et seq.* for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)
301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL

5.101.1 SCOPE
The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS

5.102.1 DEFINITIONS
The following terms are defined in Chapter 2 *(and are included here for reference)*

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES.
Eligible vehicles are limited to the following:

1. Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT ZEV) or CNG fueled (original equipment manufacturer only) regulated under Health and Safety Code section 43800 and CCR, Title 13, Sections 1961 and 1962.
2. High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane stickers issued by the Department of Motor Vehicles.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a mototrtuck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT

5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Scheduling construction activity during dry weather, when possible.
   b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
   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 inserts).
   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 BMPs acceptable to the enforcing agency.
2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Dewatering activities
   b. Material handling and waste management.
   c. Building materials stockpile management.
   d. Management of washout areas (concrete, paints, stucco, etc.).
   e. Control of vehicle/equipment fueling to contractor's staging area.
   f. Vehicle and equipment cleaning performed off site.
   g Spill prevention and control.
   h. Other housekeeping BMPs acceptable to the enforcing agency.

Y | N/A | RESPON. PARTY

ARCHITECT

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CONTRACTOR

5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' 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.
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5 Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be 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
3. Lockable, permanently anchored bicycle lockers.

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

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

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
3. Lockable, permanently anchored bicycle lockers.

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.

ARCHITECT

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

1. The type and location of the EVSE.
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:

1. 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:

Y | N/A | RESPON. PARTY

1. 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 project.

TABLE 5.106.5.3.3

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 AND OVER	6% of total[1]

1. Calculation for spaces shall be rounded up to the nearest whole number.

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.

CONTRACTOR

5.106.8 LIGHT POLLUTION REDUCTION. [N].I Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] 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.
2. Emergency lighting.
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]
1. See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.
2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B.
3. Refer to the California Building Code for requirements for additions and alterations.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS[1,2]

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING [3]					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting [4]	N/A	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING [5] **(G)**					
Luminaire greater than 2 MH from property line	N/A	G1	G2	G3	G4
Luminaire front hemisphere is 1-2 MH from property line	N/A	G0	G1	G1	G2
Luminaire front hemisphere is 0.5-1 MH from property line	N/A	G0	G0	G1	G1
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	G0	G0	G0	G1

1. 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 *California 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.

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:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

Y | N/A | RESPON. PARTY

5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculations.

5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exceptions: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exceptions: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 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

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 dishwashers.

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 Having Jurisdiction.

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

OWNER

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 following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. 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.

CONTRACTOR

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.
5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG]
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 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 1.8 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.

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LICENSED ARCHITECT
EDWIN R MOHABIR
C23674
Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA	
DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

MANDATORY MEASURES

SHEET NO.

T-2.3

AIA California

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

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 than1.8 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 reduction.

☐ ☒ **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 installation.

☒ ☐ CONTRACTOR **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.

☒ ☐ CONTRACTOR **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.

SECTION 5.304 OUTDOOR WATER USE

☐ ☒ **5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.** Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

Notes:
1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

☐ ☒ **5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.** For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

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

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.

TEST. A procedure to determine quantitative performance of a system or equipment

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

☒ ☐ CONTRACTOR **5.407.2 MOISTURE CONTROL.** Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

☒ ☐ CONTRACTOR **5.408.1 CONSTRUCTION WASTE MANAGEMENT.** Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

☒ ☐ CONTRACTOR **5.408.2 UNIVERSAL WASTE. [A]** Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at:
http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A_REGS_UWR_FinalText.pdf

☐ ☒ **5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS.** 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

☒ ☐ OWNER **5.410.1 RECYCLING BY OCCUPANTS.** Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.
2. Basis of design.
3. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.

Informational Notes:

1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.

2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the *California Energy Code*.

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 project begins. This documentation shall include the following:
1. Environmental and sustainability goals.
2. Building sustainable goals.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:
1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in *California Code of Regulations* (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:
1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:
1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the Systems Manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

☐ ☒ **5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet.** Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

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.

SECTION 5.502 DEFINITIONS

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

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32^{0} Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I–joists or finger–jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the *California Electrical Code*, off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCS)). One or more spaces intended for charging electric vehicles.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O^{3}/g ROC).

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, guage.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a)

Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

☐ ☒ **SECTION 5.503 FIREPLACES**

5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

☒ ☐ CONTRACTOR **5.504.1 TEMPORARY VENTILATION.** The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a 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 occupied during alteration, at the conclusion of construction.

☒ ☐ CONTRACTOR **5.504.3 Covering of duct openings and protection of mechanical equipment during construction.** At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

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C23674
Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91722

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA	
DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

MANDATORY MEASURES

SHEET NO.

T-2.4

AIA California

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y | N/A | RESPON. PARTY

☒ | ☐ | CONTRACTOR

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall 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 (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in 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 prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1,2]

Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of 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 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 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.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for 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 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 Regulation 8 Rule 49.

Y | N/A | RESPON. PARTY

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

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 FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. 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:

1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and product requirements:

1. Carpet and Rug Institute's Green Label Plus Program.
2. Compliant with the VOC-emission limits and testing requirements specified in the California 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 2010 (also known as CDPH Standard Method V1.1 or Specification 01350).
3. NSF/ANSI 140 at the Gold level or higher;
4. Scientific Certifications Systems Sustainable Choice; or
5. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria listed in the CHPS High Performance Product Database.

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.

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard 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 (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

Y | N/A | RESPON. PARTY

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, 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 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

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:

1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or
4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools Program).

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

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 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 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.

☒ | ☐ | CONTRACTOR

SECTION 5.505 INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

☒ | ☐ | CONTRACTOR

SECTION 5.506 INDOOR AIR QUALITY

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 code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

☒ | ☐ | CONTRACTOR

5.506.2 CARBON DIOXIDE (CO_2) MONITORING. For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

☒ | ☐ | CONTRACTOR

SECTION 5.507 ENVIRONMENTAL COMFORT

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 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.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

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 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:

1. Within the 65 CNEL noise contour of an airport.

   Exceptions:

   1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration 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).

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 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 not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

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.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior soundlevels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

☒ | ☐ | CONTRACTOR

SECTION 5.508 OUTDOOR AIR QUALITY

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.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

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 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 (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.

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_2), and potentially other refrigerants.

Y | N/A | RESPON. PARTY

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be 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 refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

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.

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves Valves and fittings shall comply with the *California Mechanical Code* and as follows.

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.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall 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.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

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.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.

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 salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

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.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

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.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

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.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. 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.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

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 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. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. 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 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 to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. 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).

[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 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 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.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

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 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.

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Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA

DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

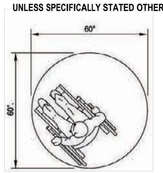
MANDATORY MEASURES

SHEET NO.

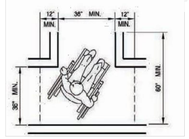
T-2.5

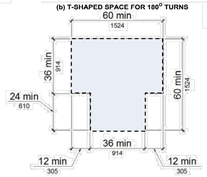
ACCESSIBILITY DETAILS
FOR DOORS, MANEUVERING SPACES & ROUTES

UNLESS SPECIFICALLY STATED OTHERWISE, FIGURES ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. (11B-104.3 FIGURES)



(a) 60 INCHES DIAMETER SPACE





WHEELCHAIR TURNING SPACE

FIGURE *11B*-304.3.2
T-SHAPED TURNING SPACE

Convention	Description
36 914	dimension showing English units (in inches unless otherwise specified) above the line and SI units (in millimeters unless otherwise specified) below the line
6 152	dimension for small measurements
33-36 838-914	dimension showing a range with minimum - maximum
min	minimum
max	maximum
>	greater than
≥	greater than or equal to
<	less than
≤	less than or equal to
	boundary of clear floor space or maneuvering clearance
℄	centerline
	a permitted element or its extension
	direction of travel or approach
	a wall, floor, ceiling or other element cut in section or plan
	a highlighted element in elevation or plan
	location zone of element, control or feature

FIGURE 11B-104
GRAPHIC CONVENTION
FOR FIGURES

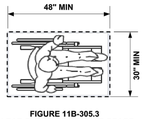


FIGURE 11B-305.3
CLEAR FLOOR OR GROUND SPACE

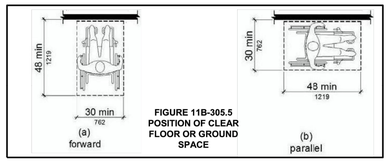


FIGURE 11B-305.5
POSITION OF CLEAR
FLOOR OR GROUND
SPACE

DOORS & MANEUVERING SPACE

FRONT APPROACH

DOOR CONSTRUCTION

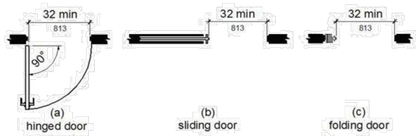


FIGURE 11B-404.2.3
CLEAR WIDTH OF DOORWAYS

DOORS & MANEUVERING SPACE

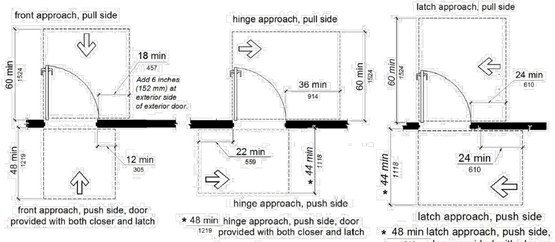


FIGURE *11B*-404.2.4.1
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

TABLE 404.2.3
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

TYPE OF USE		MINIMUM MANEUVERING CLEARANCE	
APPROACH DIRECTION	DOOR or GATE SIDE	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (beyond latch side unless noted)
From front	Pull	60 inches	18 inches
From front	Push	48 inches	0 inches
From hinge side	Pull	60 inches	36 inches
From hinge side	Push	44 inches	22 inches
From latch side	Pull	60 inches	24 inches
From latch side	Push	44 inches	24 inches

1. ADD 12 INCHES IF CLOSER AND LATCH ARE PROVIDED.
2. ADD 4 INCHES, IF CLOSER AND LATCH ARE PROVIDED.
3. BEYOND HINGE SIDE.
4. ADD 4 INCHES, IF CLOSER IS PROVIDED.
5. ADD 8 INCHES AT EXTERIOR SIDE OF EXTERIOR DOORS.

DOORS & MANEUVERING SPACE

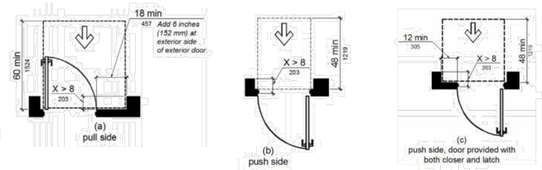


FIGURE 11B-404.2.4.3
MANEUVERING CLEARANCES AT RECESSED DOORS AND GATES

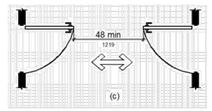


FIGURE 11B-
404.2.6
DOORS IN SERIES AND GATES IN
SERIES

DOORS & MANEUVERING SPACE

FIGURE 11B-404.2.4.2
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS

TABLE 11B-404.2.4.2
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES
MANUAL SLIDING DOORS AND MANUAL FOLDING DOORS

	MINIMUM MANEUVERING CLEARANCE	
Approach direction	Perpendicular to doorway	Parallel to doorway (beyond stop/latch side unless noted)
From Front	48 inches	0 inches
From Side[1]	42 inches	0 inches
From pocket/hinge side	42 inches	22 inches
From stop/latch side	42 inches	24 inches

1. Doorway with no door only.
2. Beyond pocket/hinge side

ACCESSIBLE ROUTES

FIGURE *11B*-302.2
CARPET PILE HEIGHT

11B-404.2.3

Door openings shall provide a clear widt of 32 inches minimum. Clear openings c doorways with swinging doors shall b measured between the face of the door an the stop, with the door open 90 degree Openings more than 24 inches deep sha provide a clear opening of 36 inche minimum. There shall be no projection into the required clear opening width lowe than 34 inches above the finish floor c ground. Projections into the clear openin width between 34 inches and 80 inche above the finish floor or ground shall n exceed 4 inches.

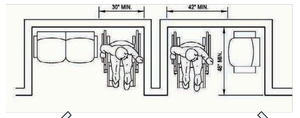
FIGURE *11B*-303.2
VERTICAL CHANGE IN LEVEL

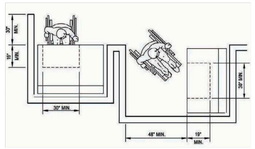
FIGURE *11B*-303.3
BEVELED CHANGE IN LEVEL

11B-404.2.5
THRESHOLDS. IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH SECTIONS 11B-302 AND 11B-303.

FIGURE *11B*-302.3
ELONGATED OPENINGS IN FLOOR OR GROUND SURFACES

ACCESSIBLE ROUTES





11B-403.5.1
SEE CLEAR WIDTH AND EXCEPTIONS
REQUIREMENTS

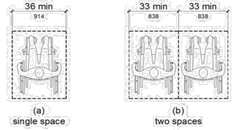


FIGURE *11B*-802.1.2
WIDTH OF WHEELCHAIR SPACES

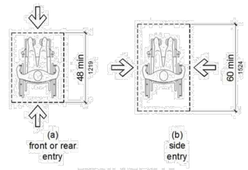


FIGURE *11B*-802.1.3
DEPTH OF WHEELCHAIR SPACES

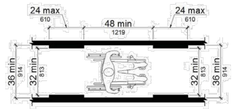


FIGURE *11B*-403.5.1
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

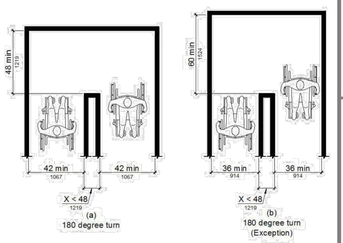


FIGURE *11B*-403.5.2
CLEAR WIDTH AT TURN

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Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA

DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

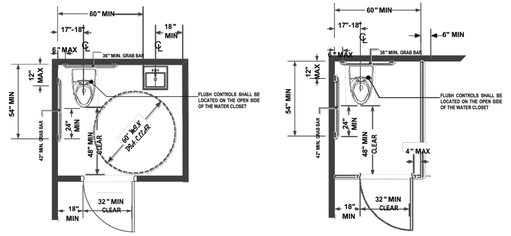
SHEET TITLE

ADA:
DOORS AND
MANEUVERING

SHEET NO.

T-3.0

ACCESSIBILITY DETAILS FOR RESTROOMS AND DRINKING FOUNTAINS



SINGLE-ACCOMMODATION TOILET FACILITY

ACCESSIBLE WATER CLOSET COMPARTMENT WITHIN MULTIPLE-ACCOMMODATION TOILET FACILITY

Doors shall not swing into the clear floor space or clearance required for any fixture. Other than the door to the accessible water closet compartment, a door in any position, may encroach into the turning space by 12 inches (305 mm) maximum. (11B-603.2.3)
Exceptions: (2) Where the toilet room or bathing room is for individual use and a clear floor space complying with Section 11B-305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance required for any fixture.

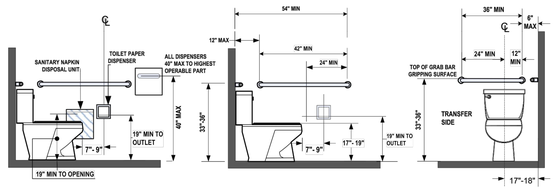


FIGURE *11B*-604.7.1
DISPENSER OUTLET LOCATION

FIGURE *11B*-604.7.2
DISPOSAL UNIT LOCATION

FIGURE *11B*-604.5.1
SIDE WALL GRAB BAR AT WATER CLOSETS

FIGURE *11B*-604.5.2
REAR WALL GRAB BAR AT WATER CLOSETS

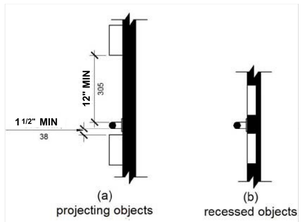


FIGURE *11B*-609.3
SPACING OF GRAB BARS

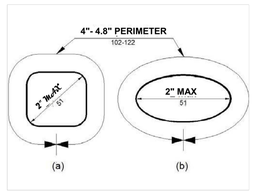


FIGURE *11B*-609.2.2
GRAB BAR NON-CIRCULAR CROSS SECTION

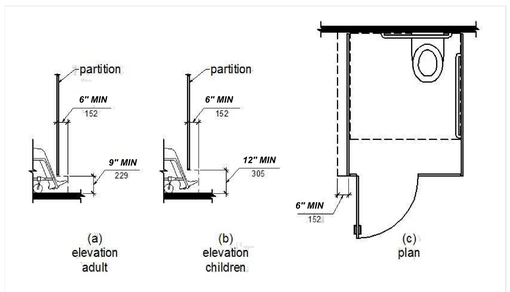
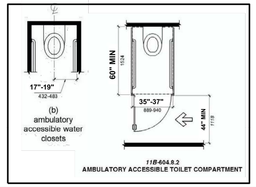


FIGURE *11B*-604.8.1.4
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE



11B-604.8.2
AMBULATORY ACCESSIBLE TOILET COMPARTMENT

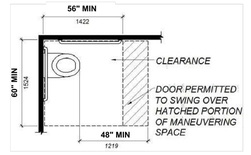


FIGURE *11B*-604.3.1 - SIZE OF CLEARANCE AT WATER CLOSETS

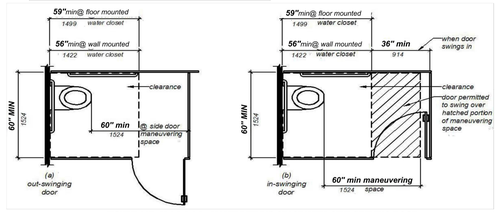


FIGURE 11B-604.8.1.1.2 - MANEUVERING SPACE WITH SIDE-OPENING DOOR

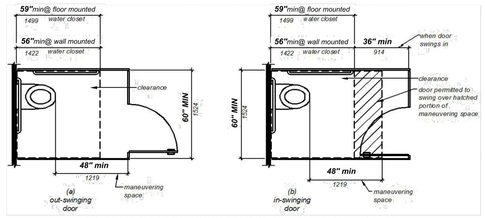


FIGURE 11B-604.8.1.1.3 - MANEUVERING SPACE WITH END-OPENING DOOR

SINK / URINAL

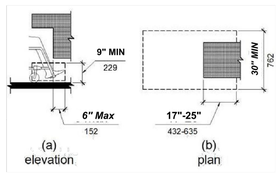


FIGURE 11B-306.2 - TOE CLEARANCE

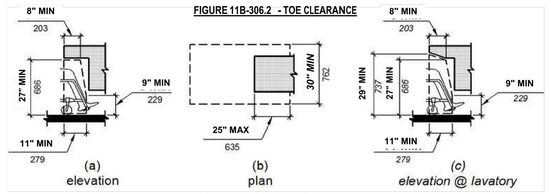


FIGURE 11B-306.3 - KNEE CLEARANCE

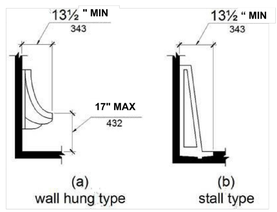
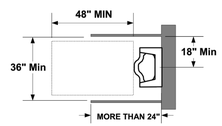
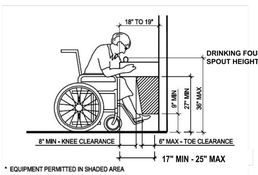


FIGURE 11B-605.2 - HEIGHT AND DEPTH OF URINALS



TOP VIEW (PLAN) OF URINAL



* EQUIPMENT PERMITTED IN SHADED AREA

SEE FIGURE 11B-306.2 "TOE CLEARANCE"

SPOUT HEIGHT AND KNEE CLEARANCE AT DRINKING FOUNTAINS

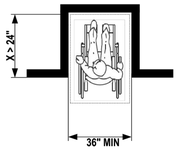


FIGURE 11B-305.7.1
MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

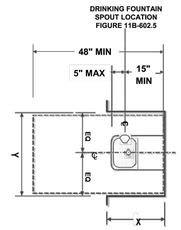
11B-602.6 Water flow. The spout shall provide a flow of water 4 inches (102 mm) high minimum and shall be located 5 inches (127 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (76 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (76 mm) and 5 inches (127 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

11B-602.7 Drinking fountains for standing persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1092 mm) maximum above the finish floor or ground.

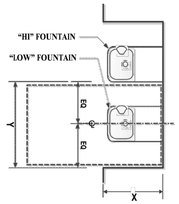
11B-602.8 Depth. Wall- and post-mounted cantilevered drinking fountains shall be 18 inches (457 mm) minimum and 19 inches (483 mm) maximum in depth.

11B-602.9 Pedestrian protection. 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 which a drinking fountain is located shall be 32 inches (813 mm) wide minimum and 18 inches (457 mm) deep minimum, and shall comply with Section 11B-305.7. When used, wing walls or barriers shall project horizontally at least as far as the drinking fountain and to within 6 inches (152 mm) vertically from the floor or ground surface.

DRINKING FOUNTAIN SPOUT LOCATION
FIGURE 11B-602.5



PLAN OF "LOW" DRINKING FOUNTAIN



PLAN OF "HI AND LOW" DRINKING FOUNTAIN

CLEAR FLOOR SPACE AT "HI AND LOW" DRINKING FOUNTAIN WITHIN ALCOVES

NOTE:
IF X = 18" MIN. ALCOVE DEPTH, THEN Y = 32" MIN.
IF ALCOVE DEPTH (X) IS GREATER THAN 24", THEN ALCOVE WIDTH (Y) MUST BE MINIMUM OF 36" CLEAR.

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STATE OF CALIFORNIA
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715 ARROW GRAND CIRCLE
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ARCHITECT	EM
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PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE
ADA:
RESTROOMS AND DRINKING FOUNTAINS

SHEET NO.
T-3.1

ACCESSIBILITY DETAILS FOR SIGNS

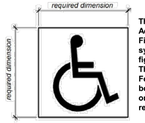


FIGURE 11B-703.7.2.1
INTERNATIONAL SYMBOL OF ACCESSIBILITY
(ISA)

The International Symbol of Accessibility shall comply with Figure 11B-703.7.2.1. The symbol shall consist of a white figure on a blue background. The blue shall be FS 15090 in Federal Standard 595C. A border may be provided inside or outside of the minimum required (ISA) dimension.

FIGURE 11B-703.7.2.2
INTERNATIONAL SYMBOL OF TTY

11B-703.7.2.2 International Symbol of TTY. The International Symbol of TTY shall comply with Figure 11B-703.7.2.2

FIGURE 11B-703.7.2.3
VOLUME CONTROL TELEPHONE

Volume control telephones. Telephones with a volume control shall be identified by a pictogram of a telephone handset with radiating sound waves on a square field such as show in Figure 11B-703.7.2.3

Assistive listening systems. Assistive listening systems shall be identified by the International Symbol of Access for Hearing Loss complying with Figure 11B-703.7.2.4

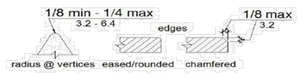


FIGURE 11B-703.7.2.4
EDGES AND VERTICES ON GEOMETRIC SYMBOLS

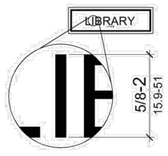


FIGURE 11B-703.2.5
HEIGHT OF RAISED CHARACTERS

11B-703 Signs

11B-703.1 General. Signs shall comply with Section 11B- 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

11B-703.1.1 Plan review and inspection. Signs as specified in Section 11B-703, or in other sections of this code, when included in the construction of new buildings or facilities, or when included, altered or replaced due to additions, alterations or renovations to existing buildings or facilities, and when a permit is required, shall comply with Sections 11B-703.1.1.1 and 11B-703.1.1.2.

11B-703.1.1.1 Plan review. Plans, specifications or other information indicating compliance with these regulations shall be submitted to the enforcing agency for review and approval.

11B-703.1.1.2 Inspection. Signs and identification devices shall be field inspected after installation and approved by the enforcing agency prior to the issuance of a final certificate of occupancy per Chapter 1, Division II, Section 111, or final approval where no certificate of occupancy is issued. The inspection shall include, but not be limited to, verification that Braille dots and cells are properly spaced and the size, proportion and type of raised characters are in compliance with these regulations.

TABLE 11B-703.3.1
BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
Dot base diameter	0.059 – 0.063
Distance between two dots in the same cell	0.100
Distance between corresponding dots in adjacent cells	0.300
Dot height	0.025 – 0.037
Distance between corresponding dots from one cell directly below	0.395 – 0.400

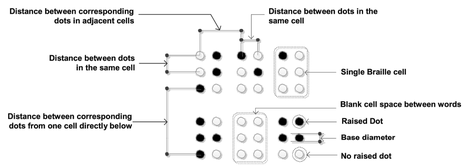


FIGURE 11B-703.3.1
BRAILLE MEASUREMENT

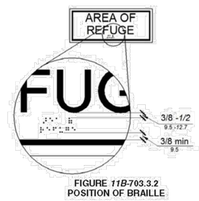


FIGURE 11B-703.3.2
POSITION OF BRAILLE

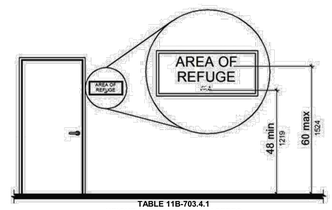


TABLE 11B-703.4.1
HEIGHT OF TACTILE CHARACTERS
ABOVE FINISH FLOOR OR GROUND

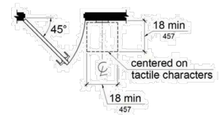
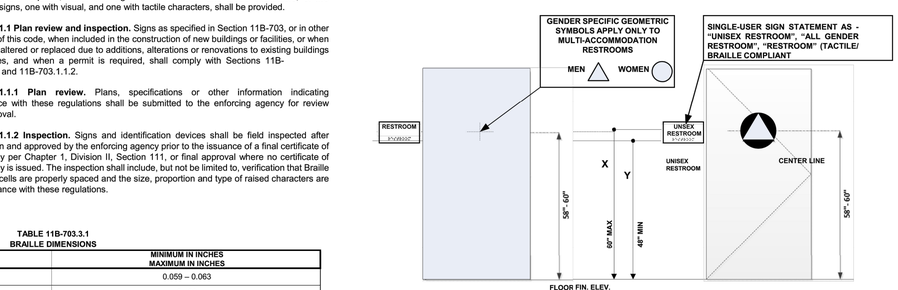
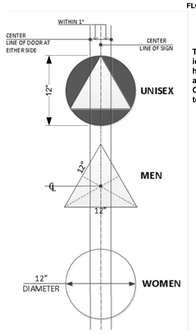


FIGURE 11B-703.4.2
LOCATION OF TACTILE SIGNS AT DOORS

.ETS AND BATHING FACILITIES GEOMETRIC SYMBOLS





NOTE: PICTOGRAMS NOT REQUIRED

The provisions of CBC Chapter 11B require that a sanitary facility that is not specifically identified as for "men" or "women" (referred to in Chapter 11B as a "unisex" facility) have a geometric symbol on the door that is an equilateral triangle superimposed onto a circle. The "unisex" symbol is the only specific indicator required to be provided by Chapter 11B for a toilet facility that is available for use by all individuals. No pictogram, text, or braille is required on the symbol. (See attachment, Exhibit A.)

TACTILE / RAISED CHARACTER & GD-II BRAILLE SIGN

11B-703.4.1 Height above finish floor or ground.

Tactile characters on signs shall be located 48 inches (1219 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest Braille cells and 60 inches (1524 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest line of raised characters. Exception: Tactile characters for elevator car controls shall not be required to comply with Section 11B- 703.4.1. 1

IDENTIFICATION OF ALL GENDER SINGLE-USER TOILET FACILITIES
Compliant with the California Building Code (CBC) Chapter 11B

EXHIBIT A - Door Symbol (required by the CBC)

This image represents the door symbol that is required by CBC 11B-216.8 to identify an all-gender/unisex single-user toilet facility. The symbol must comply with the requirements of CBC 11B-703.7.2.6.3. No pictogram, text, or braille is required on the symbol.

EXHIBIT B - Designation sign on wall

Designation signs are not required to be provided by the CBC or the 2010 ADAS. If provided, a designation sign adjacent to the door must comply with the scoping requirements of CBC 11B-216.2, and the technical requirements for raised characters (CBC 11B-703.2), braille (CBC 11B-703.3), visual characters (CBC 11B-703.5), and requirements for installation height and location (CBC 11B-703.4). No pictogram is required. The following signs illustrate acceptable examples for designation sign text:

EDWIN MOHABIR
EM
ARCHITECT, INC.
25206 BISHOP CT.
STEVENSON RANCH, CA 91381
tel: 323-4598809 . edwinmohabir@gmail.com

LICENSED ARCHITECT
EDWIN R MOHABIR
C23674
Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA

DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

ADA:
DETAILS FOR SIGNS

SHEET NO.

T-3.2

PLUMBING FIXTURES

1. WATER CLOSETS - KOHLER HIGHLINE BOWL, MODEL K-4304, & TANK, MODEL K4484, COLOR WHITE
2. CERAMIC URINAL - KOHLER BARDON, MODEL K-4991-ET, COLOR WHITE, WITH AMERICAN STANDARD MANUAL FLOWISE VALVE 0.125 GPF, FINISH POLISHED CHROME.
3. CERAMIC LAVATORIES AT RESTROOMS - KOHLER KINGSTON WALL MOUNT, MODEL K-2005, COLOR WHITE, WITH ZURN CONCEALED ARM SYSTEM WALL SUPPORT, MODEL Z1251.
4. LAV. FAUCETS AT RESTROOMS - AMERICAN STANDARD HERITAGE TWO-HANDLE 4" CENTER SET, MODEL 5400.142H 1.5 GMP, FINISH POLISHED CHROME.
5. STAINLESS STEEL SINK AT BREAKROOM AND LAB. - ELKAY LUSTERTONE SINGLE BOWL TOP MOUNT, MODEL LRAD191955.
6. LAV. FAUCET AT BREAKROOM AND LAB. - AMERICAN STANDARD MONTERREY TWO-HANDLE 8" CENTER SET, MODEL 6542.175 0.5 GMP, FINISH POLISHED CHROME
7. MOP SINK AT JANITOR CLOSET - FLORESTONE MODEL MSR-2424
8. FAUCET AT MOP SINK - AMERICAN STANDARD EXPOSED YOKE WALL MOUNT UTILITY FAUCET 8354.112, FINISH POLISHED CHROME
9. EYE/FACE WASH STATION AT LAB - BRADLEY HALO WALL MOUNT, MODEL S19224 OR HAWS AXION WALL MOUNT, MODEL 7360B-7460B.
10. 2 DRINKING FOUNTAINS - ELKAY LZSTL8WS & LZSTLDDWS.
11. EEMAX POINT OF USE WATER HEATER - MODEL ESP3012.
12. A.O. SMITH 10 GAL ELECTRIC WATER HEATER - MODEL DEL-10.

ELECTRICAL

1. ILLUMINATED EXIT SIGNS AND LED BUG EYE LAMPS W/SELF-CONTAINED 90 MIN EMERGENCY BATTERY PACK UNIT.
2. 2' X 4' LED FLAT PANEL EDGE LIT LIGHT FIXTURES WITH ENERGY SAVING ELECTRONIC BALLAST BY MAXLITE
3. 2' X 4' LED FLAT PANEL EDGE LIT LIGHT FIXTURES W/90 MIN/1400 LUMENS BATTERY BACK UP BY MAXLITE.
4. 2' X 2' LED FLAT PANEL EDGE LIT LIGHT FIXTURES WITH ENERGY SAVING ELECTRONIC BALLAST BY MAXLITE
5. 2' X 2' LED FLAT PANEL EDGE LIT LIGHT FIXTURES W/90 MIN/1400 LUMENS BATTERY BACK UP BY MAXLITE
6. 1' X 4' LED SURFACE MOUNTED LIGHT FIXTURES WITH ENERGY SAVING ELECTRONIC BALLAST BY NATURALED
7. DIGITAL DUAL TECHNOLOGY CEILING MOUNT OCCUPANCY SENSORS BY LEGRAND, MODEL LMDC-100
8. DIGITAL DUAL TECHNOLOGY CORNER MOUNT OCCUPANCY SENSORS BY LEGRAND, MODEL PW-100
9. MULTI-ZONE SWITCHING AND DIMMING OPEN LOOP PHOTO SENSORS, MODEL LMLS-500
10. DIGITAL LIGHTING MANAGEMENT TRIPLE RELAY W/ 0-10 VOLT DIMMING ROOM CONTROLLER, MODEL LMRC-210 SERIES

HVAC

1. SUPPLY GRILL - HART COOLEY CBPS SUPPLY SD - 9419
2. RETURN GRILL - HART COOLEY CBPS RETURN SD - 9420
3. THERMOSTAT - VENSTAR PROGRAMMABLE T2800

FLOOR COVERINGS (SPECS AND LOCATIONS)

A. COMMERCIAL QUEEN CARPET BY SHAW.
STYLE NAME - INSPIRED
STYLE # - Q0420
COLOR - ANCHOR
NO PAD INCLUDED.
CARPET TO BE PLACED AT THE FOLLOWING LOCATIONS:
1. HALLS
2. OPEN AREA
3. CURRICULUM ROOM
4. CONFERENCE ROOM

B. VCT BY ARMSTRONG STANDARD - EXCELON (12" X 12" X 1/8").
COLOR #51899/#51946 PER PATTERN PROVIDED BY OFY & OFL
VCT TO BE PLACED AT THE FOLLOWING LOCATIONS
1. STORAGE CLOSEST
2. BREAK ROOM
3. IT ROOM
4. SGI ROOMS

C. TERRENE SHEET VINYL.
COLOR STEEL WITH WELDED SEAMS.
SHEET VINYL TO BE PLACED AT THE FOLLOWING LOCATIONS:
1. RESTROOMS WITH 6" ROLLED VINYL COVE
2. JANITOR CLOSET
3. LAB

D. RUBBER BASE BY BURKE FLOORING
COLOR 701 BLACK
CLASS: 1
RUBBER BASE TO BE PLACED AT THE FOLLOWING LOCATIONS:
1. ALL AREAS EXCEPT:
RESTROOMS
JANITOR CLOSET
LAB

DOORS:

MASONITE FLUSH SERIES LEGACY WALNUT PREFINISHED SOLID CORE INTERIOR DOORS WITH BROWN TIMELY PREFINISHED STEEL FRAMES.

DOOR HANDLES:

CAL-ROYAL PRODUCTS - PIONEER SL SERIES IN SATIN CHROME

STANDARD DUTY RIM PANIC HARDWARE:

DESIGN HARDWARE 2000R SERIES AL PAINTED US32D

HEAVY DUTY PANIC HARDWARE:

DOORMERICA EDV701/EDFV701 HEAVY DUTY GRADE 1 VERTICAL ROD EXIT DEVICE

NARROW STILE RIM PANIC HARDWARE:

ADAMS RITE ASSA ABLOY - 8800 SERIES
DESIGNED FOR USE IN APPLICATIONS WITH SINGLE DOORS OR PAIRS OF DOORS WITH A MULLION

MAGNETIC PANIC HARDWARE:

AT FRONT ENTRY/EXIT ONLY. EQUIPMENT TO CONSIST OF THE FOLLOWING:

1. 1- ALARM CONTROLS AC600S MAGLOCKXIT PUSH BAR
2. 1-ALARM CONTROLS REB1 REQUEST-TO-EXIT PUSH BAR
3. 1 - CAMDEN CMPTS-14 DOOR CONTROL POWER TRANSFER CABLE
4. 1 - IEI IE212ICMB2 OUTDOOR KEYPAD
5. 1 - LINEAR DXSR1503 WIRELESS RECEIVER
6. 3 - LINEAR DXT23 3-BUTTON WIRELESS TRANSMITTER
7. 2 - ASRB RELAYS
8. 1 - YUASA 12V, 7AH RECHARGEABLE GEL CELL BATTERY
9. ALL NECESSARY CABLE AND HARDWARE

DOOR CLOSER:

CAL-ROYAL PRODUCTS-900 SERIES SATIN CHROME

DEADBOLT:

SCHLAGE B500 SERIES WITH OCCUPIED INDICATOR (B571)

WINDOW FRAMES:

BROWN TIMELY PREFINISHED STEEL FRAMES

CABINETS:

BUILDER GRADE CABINETS AS INDICATED ON PLANS WITH WHITE PLASTIC LAMINATE FINISH

COUNTER TOPS:

BUILDER GRADE PRE-FABRICATED PLASTIC LAMINATE COUNTER ROPS W/ 4" BACKSPLASH

MIRRORS/BATHROOM ACCESSORIES:

PROVIDE AND INSTALL THE FOLLOWING NEW ACCESSORIES AT NEW AND EXISTING BATHROOMS. ALL ACCESSORIES TO BE BOBRICK STAINLESS STEEL OR LIKE KIND.

1. 1- 36" GRAB BAR
2. 1- 42" GRAB BAR
3. 1 - 1-FEMININE DISPENSER
4. 1 - T.P. HOLDER
5. 1 - TOILET SEAT COVER DISPENSER
6. 3 - 18"W X 30"H MIRROR

FIBERGLASS REINFORCED PLASTIC (FRP) @ BATHROOMS:

PROVIDE AND INSTALL NEW FRP AT NEW AND EXISTING BATHROOMS. FRP 4' ABOVE F.F.
COLOR WHITE

SIGNAGE AT INTERIOR

PROVIDE AND INSTALL THE FOLLOWING CUSTOM INTERIOR SIGNS. ADA SIGNAGE 1/8" THICK, NON-GLARE ACRYLIC, REVERSE PAINTED PEARL WHITE WITH ADA RAISED TACTILE (BRAILLE), COLOR 301 GREY.

1. ROOM SIGNS - 4" X 8"
2. EXIT SIGNS - 6.5" X 6.5"
3. WALL RESTROOM SIGNS - UNISEX - 8.5" X 8.5"
4. DOOR RESTROOM SIGNS - UNISEX - 12" DIAM.
5. EXIT ROUTE SIGNS - 6.5" X 6.5"
6. 1 - MAX OCCUPANCY SIGN - 5.5" X 8.5"
7. 1 - INTERNATIONAL SYMBOL OF ACCESSABILITY (ISA) SIGN (ON ENTRY)
8. EVAC SIGNS - 8.5" X 11"
9. "FIRE EXTINGUISHER" SIGNS - 4" X 12"

FIRE ALARM SYSTEM:

FIRE ALARM/VOICE EVACUATION SYSTEM SHALL CONSISTING OF THE FOLLOWING:

1. FIRELITE ES 50X ADDRESSABLE FIRE ALARM CONTROL; PANEL
2. FIRELITE FLECC/50 VOICE EVACUATION SYSTEM
3. FIRELITE ANN80 REMOTE ANNUNCIATOR
4. FIRELITE SD355 ADDRESSABLE SMOKE DETECTORS
5. FIRELITE BG12 LX ADDRESSABLE PULL STATION
6. FIRELITE CRF300 ADDRESSABLE CONTROL RELAYS
7. FIRELITE CELL-CAB-FL CELLULAR TRANSMITTER
8. SYSTEM SENSOR SPSCRL CEILING MOUNTED SPEAKER STROBES
9. SYSTEM SENSOR SCRL CEILING MOUNTED STROBE ONLY
10. SYSTEM SENSOR SPSRK OUTDOOR WEATHERPROOF SPEAKER STROBE
11. SPACE AGE ELECTRONIC DOCUMENT BOX
12. 12VDC, 12ah RECHARGEABLE GEL CELL BATTERIES
13. 12VDC, 7ah RECHARGEABLE GEL CELL BATTERIES

SECURITY ALARM:

SECURITY ALARM SHALL CONSIST OF THE FOLLOWING:

1. HONEYWELL VISTA 21IP SECURITY ALARM CONTROL PANEL, ENCLOSURE, AND TRANSFORMER
2. HONEYWELL 6160 CUSTOM ENGLISH DISPLAY KEYPAD
3. HONEYWELL VISTA GSM4 CELLULAR DATA TRANSMITTER
4. BOSCH TRI-TECH MOTION SENSORS
5. DOOR CONTACTS
6. SELF-CONTAINED OUTDOOR SIREN
7. YUASA 12V, 7AH RECHARGEABLE GEL CELL BATTERY

PAINT:

1. PT1 - ANTIQUE WHITE SW6119 -
LOCATION: TUTORING, SGI ROOM 4, CURRICULUM OFFICE, RECEPTION OFFICE, REGISTRATION OFFICE, LOBBY, PRINCIPAL OFFICE, SGI ROOM 1, ASSISTANT PRINCIPAL OFFICE, SGI ROOM 2, SGI ROOM 3, OPEN OFFICE
2. PT2 - CORNFLOWER DE5864 -
LOCATION: SGI ROOM 4, CURRICULUM OFFICE, RECEPTION OFFICE, REGISTRATION OFFICE, LOBBY, PRINCIPAL OFFICE, SGI ROOM 1, ASSISTANT PRINCIPAL OFFICE, SGI ROOM 2, SGI ROOM 3, BREAKROOM, OPEN OFFICE
3. PT3 - CARAMEL APPLE DE5215
LOCATION:
4. PT4 - SOUR APPLE DE5507
LOCATION:
5. PT5 - TWILIGHT TAUPE DE6060
LOCATION: UNISEX RESTROOM, IT ROOM
6. PT6 - UNTAMED ORANGE DEA110
LOCATION:
7. PT7 - GLITZY RED DEA153
LOCATION:

EDWIN MOHABIR
EM
ARCHITECT, INC.
25206 BISHOP CT.
STEVENSON RANCH, CA 91381
tel: 323-4598809 . edwinmohabir@gmail.com

LICENSED ARCHITECT
EDWIN R MOHABIR
C23674
Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA

DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

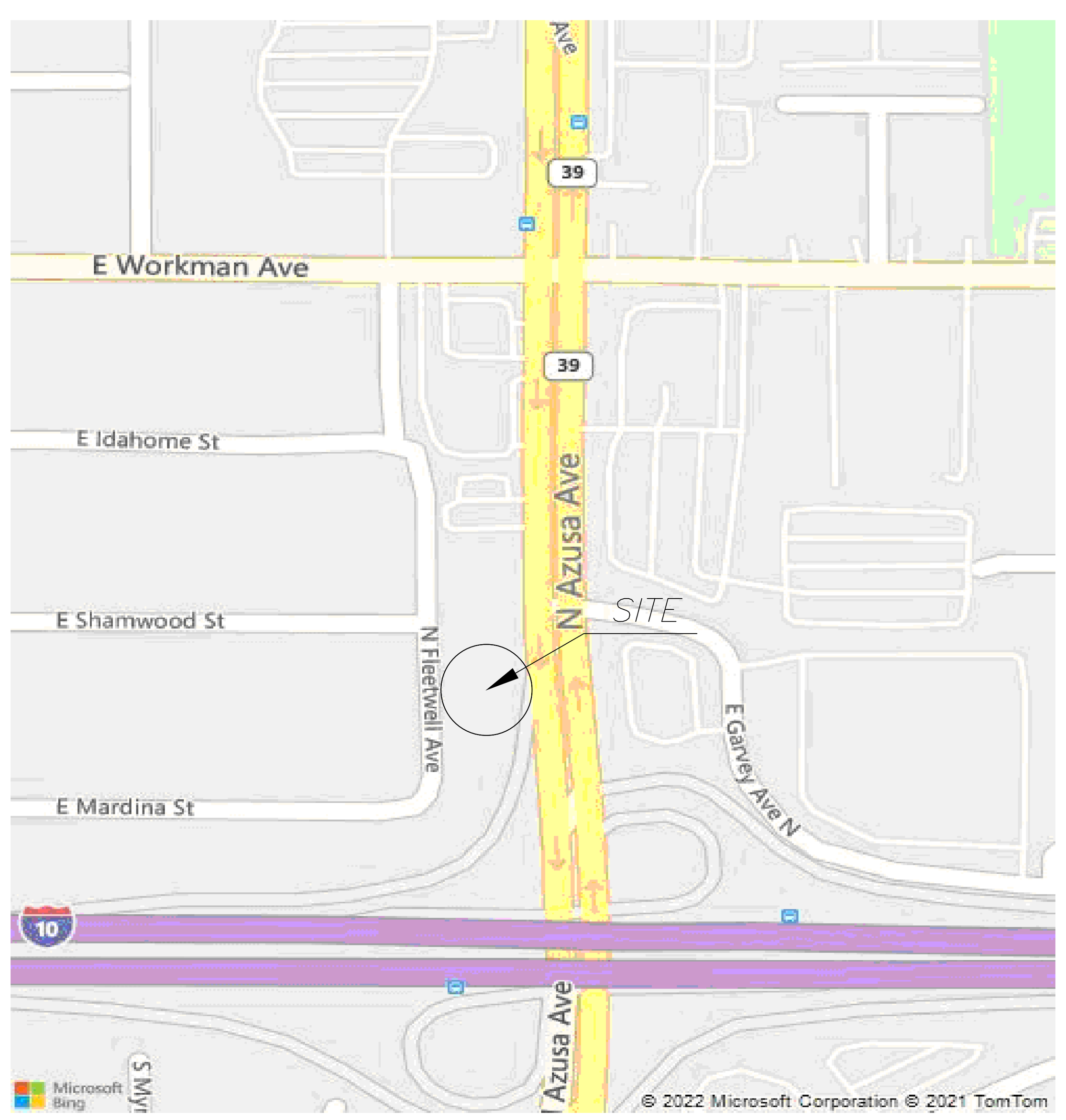
OFY & OFL SPECIFICATIONS

SHEET NO.

T-4.0

P.O.T: ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING $\frac{1}{2}$" IF BEVEL AT 1:2 MAX. SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING $\frac{1}{4}$" AND AT LEAST 48" IN WIDTH. THE SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% SLOPE, UNLESS OTHERWISE INDICATED. LANDING AT DOORWAYS SHALL BE 2% MAX.

ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 84" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTING FROM WALL AND ABOVE 27" AND LESS THAN 84".



"EXHIBIT A"
LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF WEST COVINA, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

Parcel 1:

Lots 81, 82 and 83 of Tract No. 16472, in the City of West Covina, County of Los Angeles, State of California, as per map recorded in Book 381, Page(s) 14 through 16 inclusive of Maps, in the office of the County Recorder of said County.

Except from said Lots 81, 82 and 83 that portion lying Easterly of the Easterly line of the land described in that Deed to Charles R. Cricks recorded in February 10, 1982 as Instrument No. 82-153204 of Official Records, in the Office of the County Recorder of said County.

Said land is also known as Parcel 1 of Parcel Map 873, in the City of West Covina, as per Map filed in Book 18, Page 61 of Parcel Maps of Maps, in the office of the County Recorder of said County.

Parcel 2:

Those portions of Lots 81, 82 and 83 of Tract No. 16472, in the City of West Covina, County of Los Angeles, State of California, as per map recorded in Book 381, Page(s) 14 to 16 inclusive of Maps, in the office of the County Recorder of said County.

Beginning at the most Westerly corner of the land acquired by Deed (State Parcel 1008) recorded December 17, 1954 in Book 46415, Page 409 of Official Records in said office; thence along the Southerly line of the acquired land South 89° 41' 54" East, 24.28 feet; thence North 0° 30" 10" West, 182.41 feet to a point in the Northerly line of the land acquired by Deed (State Parcel 1019) recorded September 16, 1954 in Book 45600, Page 370 of said Official Records, distant thereon South 89° 41' 54" East, 1.13 feet from the Westerly line of last said acquired land; thence along said Northerly line North 89° 41' 54" West, 1.13 feet to said Westerly line; thence along the Westerly lines of the land acquired by the last said Deed; the land acquired by Deed (State Parcel 1014) recorded January 10, 1955 in Book 46594, Page 392 of said Official Records and the land acquired by first said Deed the following courses: South 4° 26' 22" West, 143.46 feet and Southerly along a tangent curve, concave Westerly and having a radius of 120.00 feet, through an angle of 19° 27' 10", an arc distance of 40.74 feet to said point of beginning.

Parcel 3:

That portion of Lot 8, Block 29 of Phillips Tract, in the City of West Covina, County of Los Angeles, State of California, as per map recorded in Book 9, Page(s) 3 and 4 of Miscellaneous Records, in the office of the County Recorder of said County, together with those portions of Lots 84, 85 and Lot 290, all of Tract No. 16472, as shown on map recorded in Book 381, Page(s) 14 through 16 inclusive of Maps, all in said Office, described as follows:

Beginning at the Northwest corner of said Lot 84; thence along the Westerly line of said Lots 84 and 85, South 00° 30' 05" East, 122.76 feet to the Southerly line of said Lot 85; thence along last said line South 89° 41' 49" East 1.00 foot to the Northwest corner of said Lot 290; thence along the Westerly line of said Lot 290, South 00° 30' 05" East, 386.58 feet to a non-tangent curve concave Northwesterly and having a radius of 152.00 feet; thence Northeasterly along said curve from a tangent which bears North 52° 39' 39" East, through an angle of 40° 39' 39" an arc distance of 107.87 feet; thence tangent North 12° 00' 00" East 265.04 feet; thence North 00° 35 15" East 160.21 feet to the Northerly line of said Lot 84; thence along said Northerly line North 89° 41' 49" West 118.69 feet to the point of beginning.

Parcel 4:

The Easterly 5.00 feet of Fleetwell Avenue, as shown on map of Tract No. 16472, as per map recorded in Book 381, Pages 14 through 16 inclusive of Maps, in the office of the County Recorder of Los Angeles, vacated under Resolution No. 5357 Recorded December 21, 1976 as Instrument No. 4389, and also vacated under Resolution No. 6137 Recorded on June 6, 1980 as Instrument No. 80-564273, all in the Office of the County Recorder of said County.

Except therefrom that portion lying Northerly of the Westerly prolongation of the Northerly line of Lot 81 of said Tract No. 16472.

Also except therefrom the title to that portion thereof which would pass with a legal conveyance of Lot 246 of said Tract No. 16472.

Parcel 5:

That portion of Lot 288 of Tract No. 16472, in the City of West Covina, as per map recorded in Book 381 Page(s) 14 through 16 inclusive of maps, in the office of the County Recorder of said County, State of California, bounded as follows:

Bounded Northerly by the Southerly line of Lot 85 of said Tract No. 16472; Bounded Southerly by the Westerly Prolongation of that certain 152.00 foot radius curve of the land described in that Deed to Charles R. Cricks recorded October 26, 1976 as Instrument No. 2892, in the Office of the County Recorder of said County.

For APN/Parcel ID(s): 8455-022-023, 8455-014-018, 8455-014-019 and 8455-014-020

PARKING REQUIRED PER CITY OF WEST COVINA MUNICIPAL CODE:

BUSINESS/OFFICE: 1 PER 300 S.F. = 3,601/300 = 12 PARKING STALLS

PARKING ANALYSIS FOR BUSINESS OCCUPANCY

Name	Number	Area	Occupant Classification	Ratio	Spaces
Lobby	100	240 SF	Business	1:300 SF	.8
Open Office	101	380 SF	Business	1:300 SF	1.3
Office #1	102	188 SF	Business	1:300 SF	.62
Office #2	109	106 SF	Business	1:300 SF	0.35
Office #3	110	106 SF	Business	1:300 SF	0.35
Office #4	111	195 SF	Business	1:300 SF	.65
Open Office	119	2386 SF	Business	1:300 SF	7.95
Grand Total		3601 SF		1:300 SF	12

EDUCATIONAL (HIGH SCHOOL) 40 STUDENTS TOTAL:
1 PER EMPLOYEE PLUS 1 PER 10 STUDENTS

- EMPLOYEES: 4 TEACHERS = 4 SPACES
- STUDENTS: 40 STUDENTS PER SESSION = 40/10 = 4 STALLS

EXISTING USE PARKING REQUIRED:
JEWELRY STORE 1:250: 1963/250= 7.85 STALLS
DENTISTRY 1:150: 2700/150= 14.76 STALLS
(After Business Hours) KARATE SCHOOL: 1:250: 2700/250= 10.8 STALLS

PARKING REQUIRED FOR SCHOOL= 12+4+4= 20 STALLS
EXISTING USE= 23 STALLS
TOTAL PARKING REQUIRED: 43 STALLS (During Business Hours)
TOTAL PARKING PROVIDED: 48 STALLS

***Note: Karate School operates after Proposed Charter School closes:**
Karate School Hours: Monday, Wednesday, Friday from (6pm-8pm)

LEGEND

TC	TOP OF CURB
FL	FLOWLINE
FF	FINISH FLOOR
H.	HIGH
CONC.	CONCRETE
A.C.	ASPHALT CONCRETE
R.W.	RETAINING WALL
P.A.	PLANTING AREA
— — —	EXISTING STRUCTURE
x 105.50	EXISTING ELEVATION
——— — ℄	CENTERLINE
——— — PL	PROPERTY LINE

OWNER OR DEVELOPER:
PROSPECTIVE INVESTMENT LP
C/O:EDWIN MOHABIR

PREPARED BY:
LANDEVELOPMENT ENGINEERING, INC.
PRESIDENT: EDUARDO VILLARRUEL
7340 E. FLORENCE AVENUE, SUITE. 211
DOWNEY, CA 90240
(562) 325-8893 TEL
(562) 309-8161 FAX
evengineering@yahoo.com

ENGINEER Kenneth K. Wang RCE 25386 EXP. 12-31-23
12-12-22
Date

REGISTERED PROFESSIONAL ENGINEER KENNETH K. WANG C025386 EXP. 12-31-23 CIVIL STATE OF CALIFORNIA

PLOT PLAN AND PARKING ANALYSIS
SITE ADDRESS:
111, 215 & 225 N. ASUZA AVE
WEST COVINA, CA 91791

EXISTING SITE
VA022_159
SHEET A-1.0

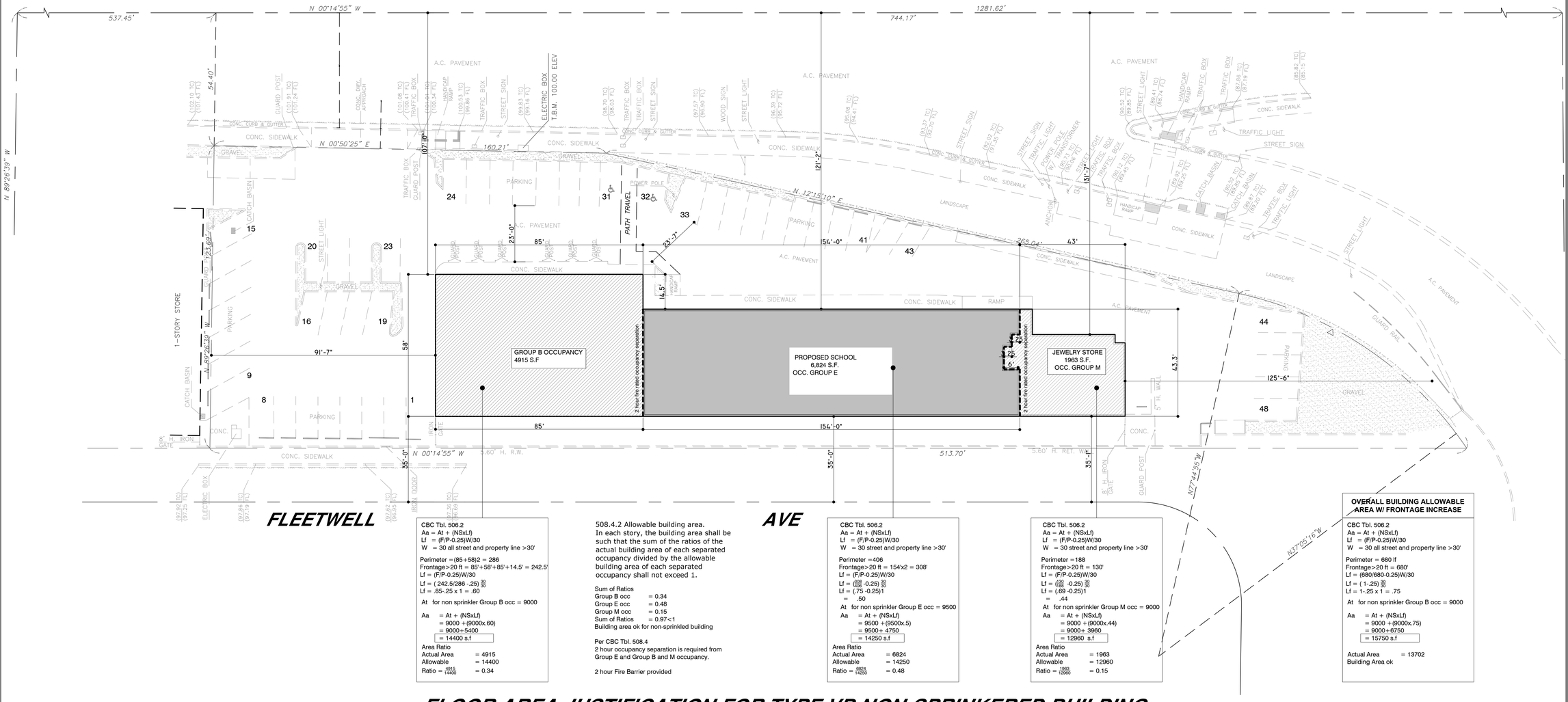
SCALE: 1"=20' | DRAWN BY: EAV | CHECKED BY: EV/KKW
DATE: 12-12-22 | **CITY OF WEST COVINA**

NORTH

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.



CBC Tbl. 506.2
Aa = At + (NSxLf)
Lf = (F/P-0.25)W/30
W = 30 all street and property line >30'

Perimeter =(85+58)2 = 286
Frontage>20 ft = 85'+58'+85'+14.5' = 242.5'
Lf = (F/P-0.25)W/30
Lf = (242.5/286 -.25) 30/30
Lf = .85-.25 x 1 = .60

At for non sprinkler Group B occ = 9000

Aa = At + (NSxLf)
= 9000 +(9000x.60)
= 9000+5400
= 14400 s.f

Area Ratio
Actual Area = 4915
Allowable = 14400
Ratio = 4915/14400 = 0.34

508.4.2 Allowable building area.
In each story, the building area shall be such that the sum of the ratios of the actual building area of each separated occupancy divided by the allowable building area of each separated occupancy shall not exceed 1.

Sum of Ratios
Group B occ = 0.34
Group E occ = 0.48
Group M occ = 0.15
Sum of Ratios = 0.97<1
Building area ok for non-sprinkled building

Per CBC Tbl. 508.4
2 hour occupancy separation is required from Group E and Group B and M occupancy.

2 hour Fire Barrier provided

CBC Tbl. 506.2
Aa = At + (NSxLf)
Lf = (F/P-0.25)W/30
W = 30 street and property line >30'

Perimeter =406
Frontage>20 ft = 154'x2 = 308'
Lf = (F/P-0.25)W/30
Lf = (308/406 -0.25) 30/30
Lf = (.75 -0.25)1
= .50

At for non sprinkler Group E occ = 9500
Aa = At + (NSxLf)
= 9500 +(9500x.5)
= 9500+ 4750
= 14250 s.f

Area Ratio
Actual Area = 6824
Allowable = 14250
Ratio = 6824/14250 = 0.48

CBC Tbl. 506.2
Aa = At + (NSxLf)
Lf = (F/P-0.25)W/30
W = 30 street and property line >30'

Perimeter =188
Frontage>20 ft = 130'
Lf = (F/P-0.25)W/30
Lf = (130/188 -0.25) 30/30
Lf = (.69 -0.25)1
= .44

At for non sprinkler Group M occ = 9000
Aa = At + (NSxLf)
= 9000 +(9000x.44)
= 9000+ 3960
= 12960 s.f

Area Ratio
Actual Area = 1963
Allowable = 12960
Ratio = 1963/12960 = 0.15

OVERALL BUILDING ALLOWABLE AREA W/ FRONTAGE INCREASE

CBC Tbl. 506.2
Aa = At + (NSxLf)
Lf = (F/P-0.25)W/30
W = 30 all street and property line >30'

Perimeter = 680 lf
Frontage>20 ft = 680'
Lf = (680/680-0.25)W/30
Lf = (1-.25) 30/30
Lf = 1-.25 x 1 = .75

At for non sprinkler Group B occ = 9000

Aa = At + (NSxLf)
= 9000 +(9000x.75)
= 9000+6750
= 15750 s.f

Actual Area = 13702
Building Area ok

FLOOR AREA JUSTIFICATION FOR TYPE VB NON-SPRINKERED BUILDING

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Exp. 02-28-25
STATE OF CALIFORNIA
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A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA

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ARCHITECT	EM
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PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

AREA JUSTIFICATION

SHEET NO.

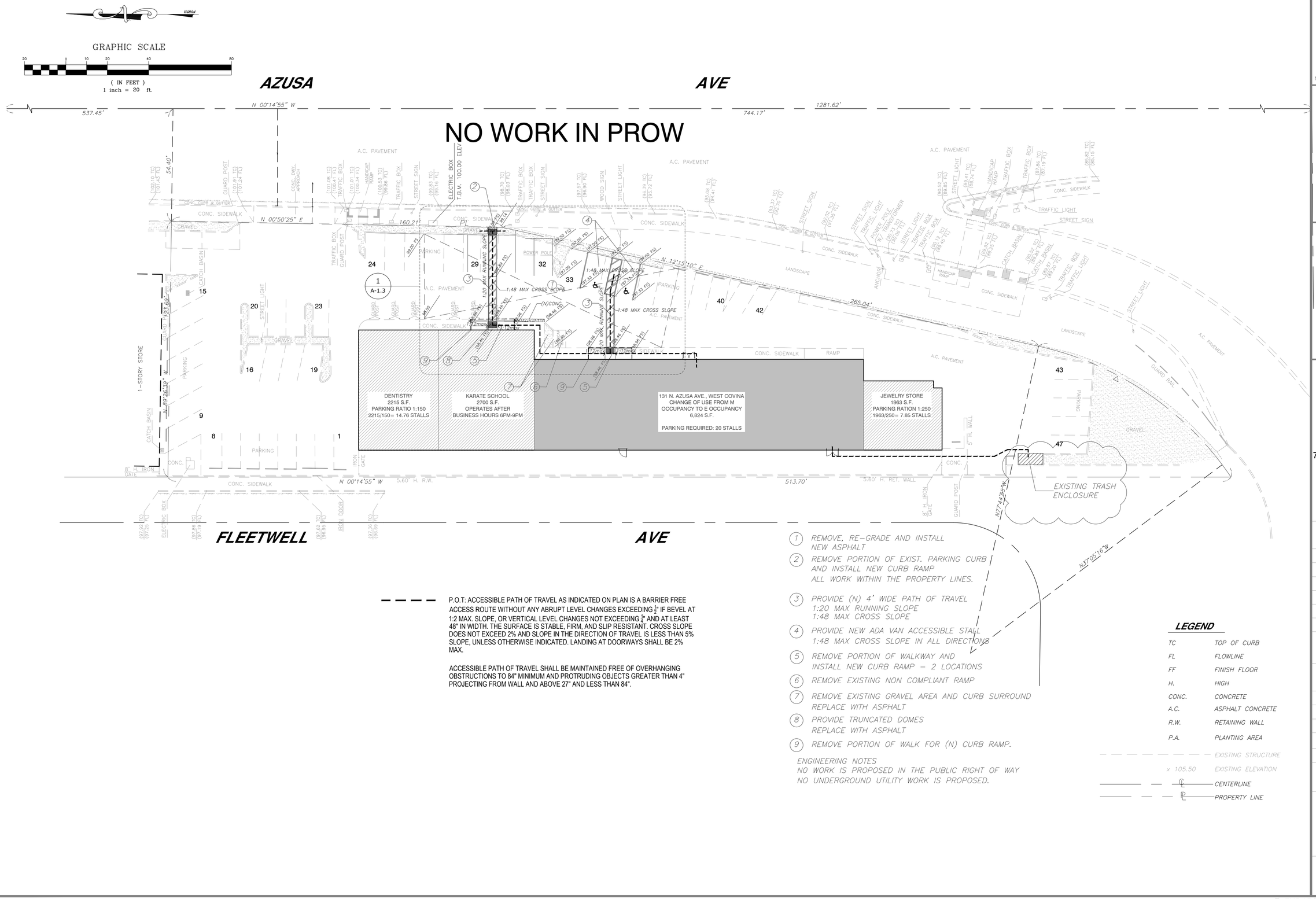
A-1.1

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO WORK IN PROW



P.O.T: ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING ¼" IF BEVEL AT 1:2 MAX. SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¼" AND AT LEAST 48" IN WIDTH. THE SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% SLOPE, UNLESS OTHERWISE INDICATED. LANDING AT DOORWAYS SHALL BE 2% MAX.

ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 84" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTING FROM WALL AND ABOVE 27" AND LESS THAN 84".

1. REMOVE, RE-GRADE AND INSTALL NEW ASPHALT
2. REMOVE PORTION OF EXIST. PARKING CURB AND INSTALL NEW CURB RAMP. ALL WORK WITHIN THE PROPERTY LINES.
3. PROVIDE (N) 4' WIDE PATH OF TRAVEL 1:20 MAX RUNNING SLOPE 1:48 MAX CROSS SLOPE
4. PROVIDE NEW ADA VAN ACCESSIBLE STALL 1:48 MAX CROSS SLOPE IN ALL DIRECTIONS
5. REMOVE PORTION OF WALKWAY AND INSTALL NEW CURB RAMP – 2 LOCATIONS
6. REMOVE EXISTING NON COMPLIANT RAMP
7. REMOVE EXISTING GRAVEL AREA AND CURB SURROUND REPLACE WITH ASPHALT
8. PROVIDE TRUNCATED DOMES REPLACE WITH ASPHALT
9. REMOVE PORTION OF WALK FOR (N) CURB RAMP.

ENGINEERING NOTES
NO WORK IS PROPOSED IN THE PUBLIC RIGHT OF WAY
NO UNDERGROUND UTILITY WORK IS PROPOSED.

LEGEND

TC	TOP OF CURB
FL	FLOWLINE
FF	FINISH FLOOR
H.	HIGH
CONC.	CONCRETE
A.C.	ASPHALT CONCRETE
R.W.	RETAINING WALL
P.A.	PLANTING AREA
	EXISTING STRUCTURE
x 105.50	EXISTING ELEVATION
	CENTERLINE
	PROPERTY LINE

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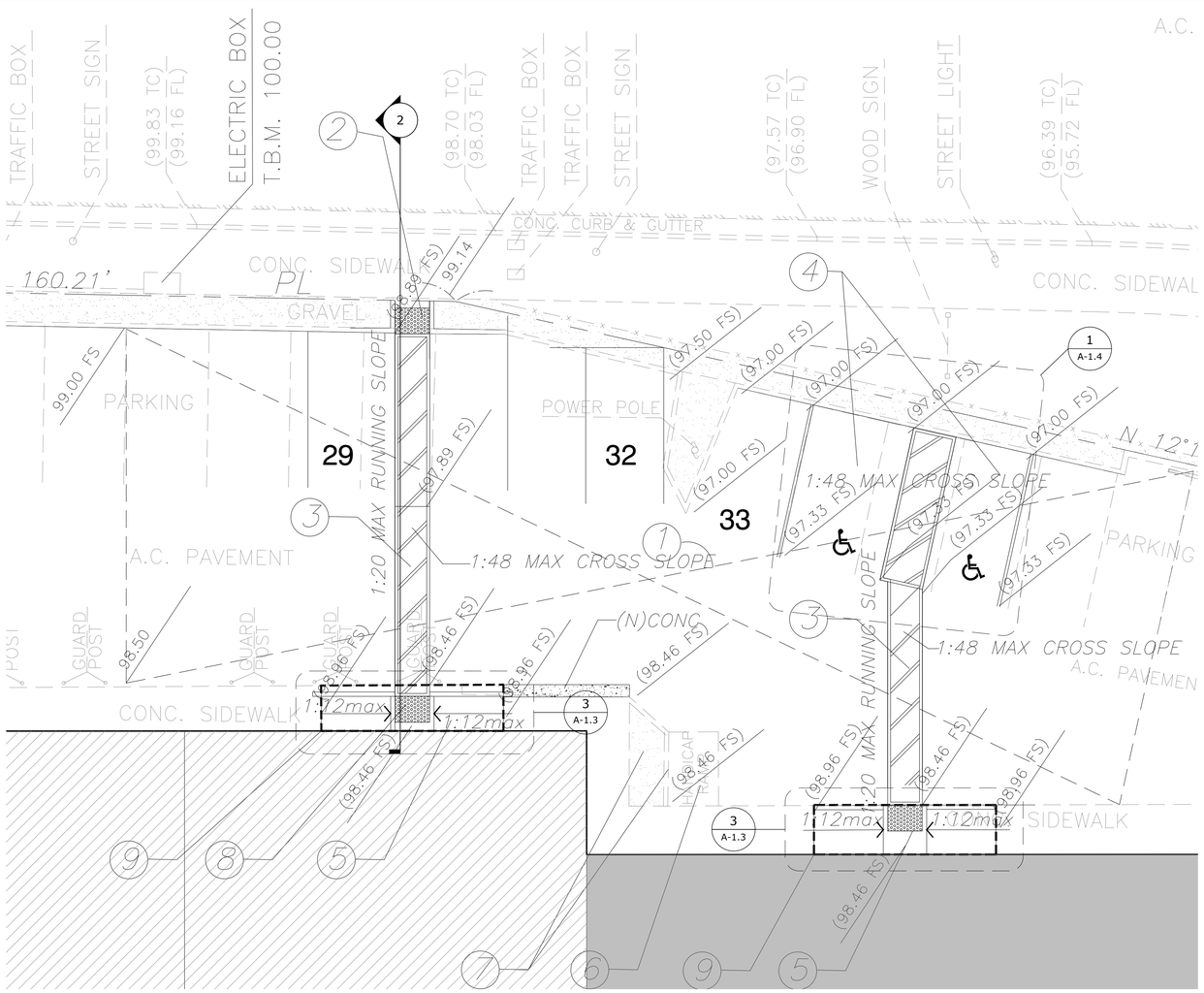
SHEET TITLE

ADA
ACCESS PLAN

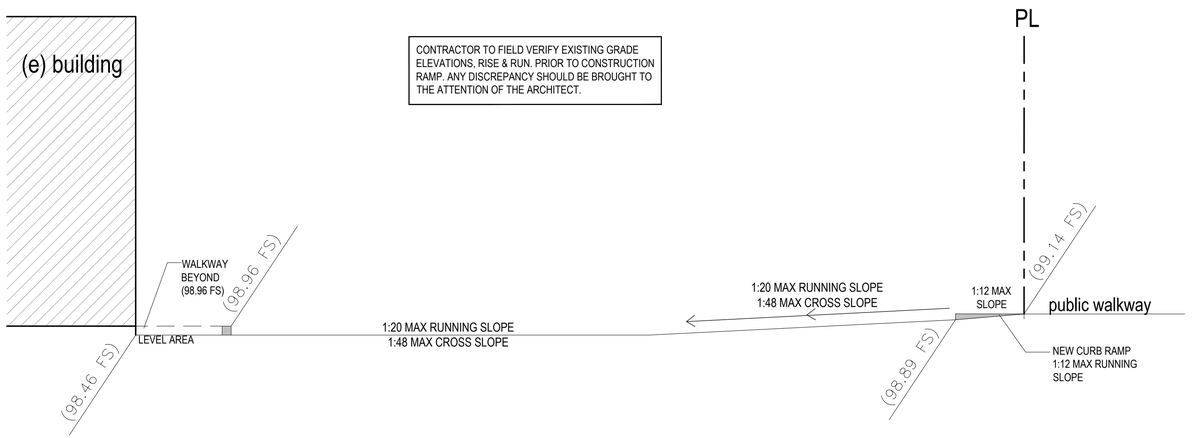
SHEET NO.

A-1.2



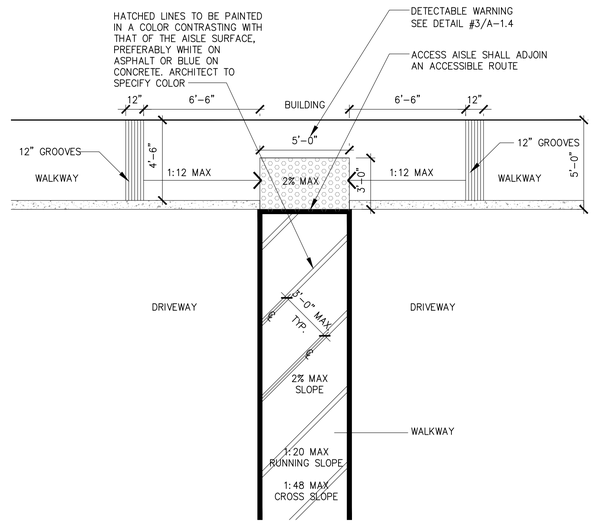
1 ENLARGED ADA ACCESS PLAN

Scale: 1/8"=1'-0"



2 (N) ADA ACCESS TRANSITION FROM PUBLIC RIGHT OF WAY

Scale: 1/4"=1'-0"



3 (N) CURB RAMP AT BUILDING

Scale: 1/4"=1'-0"

1. REMOVE, RE-GRADE AND INSTALL NEW ASPHALT
2. REMOVE PORTION OF EXIST. PARKING CURB AND INSTALL NEW CURB RAMP ALL WORK WITHIN THE PROPERTY LINES.
3. PROVIDE (N) 4' WIDE PATH OF TRAVEL 1:20 MAX RUNNING SLOPE 1:48 MAX CROSS SLOPE
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8. PROVIDE TRUNCATED DOMES REPLACE WITH ASPHALT
9. REMOVE PORTION OF WALK FOR (N) CURB RAMP.

ENGINEERING NOTES
NO WORK IS PROPOSED IN THE PUBLIC RIGHT OF WAY
NO UNDERGROUND UTILITY WORK IS PROPOSED.

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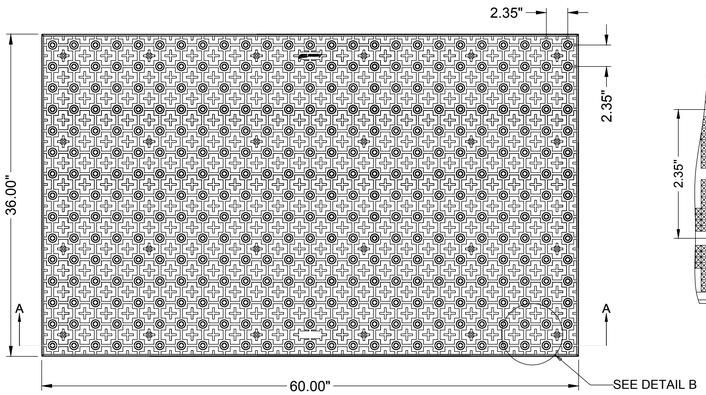
SHEET TITLE

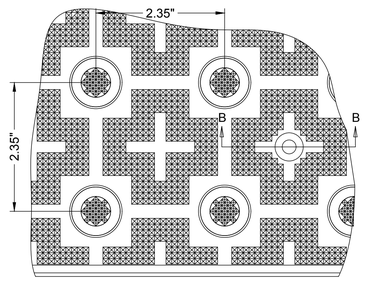
ENLARGED ADA ACCESS PLAN

SHEET NO.

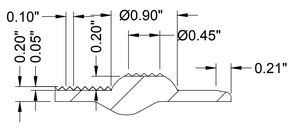
A-1.3



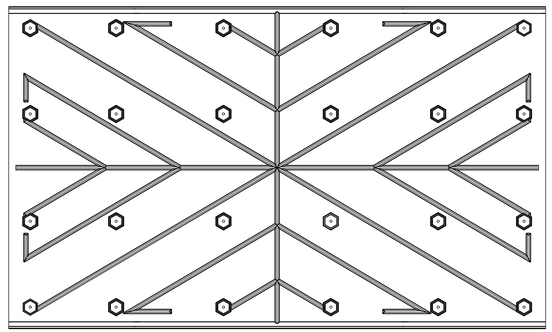
PLAN



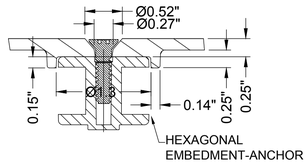
DETAIL B



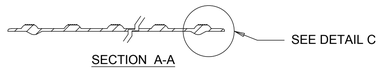
DETAIL C



UNDERSIDE VIEW



SECTION B-B

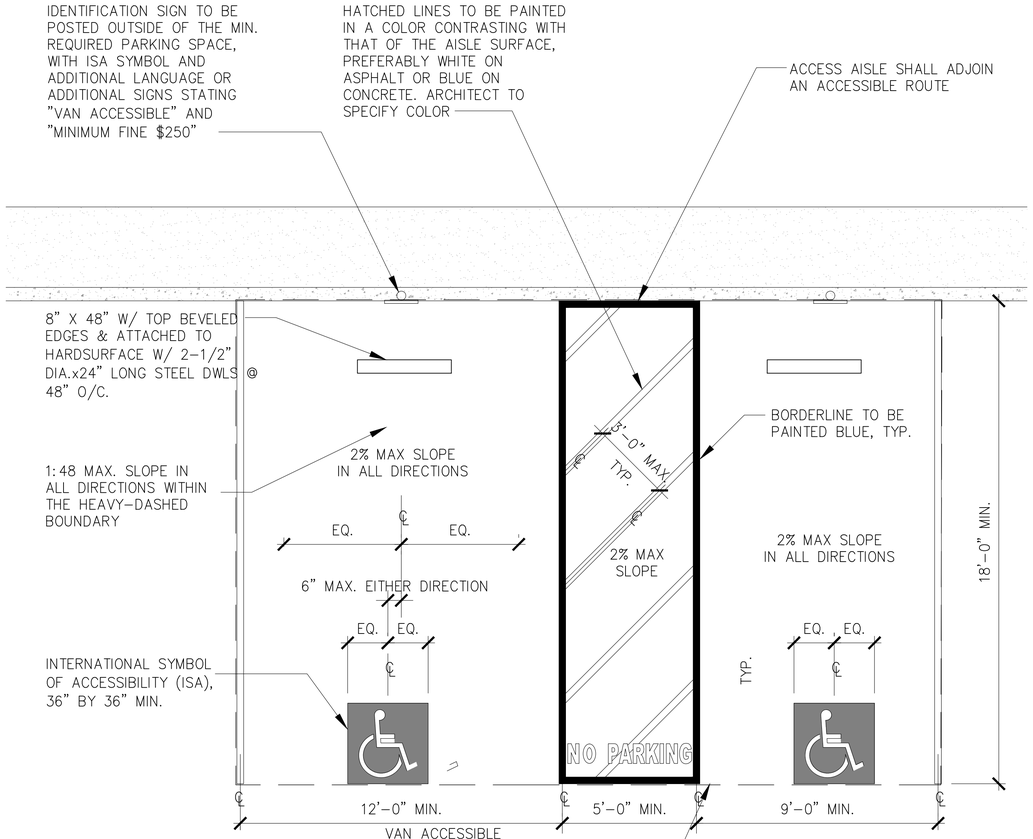


SECTION A-A

REPLACEABLE CAST IN PLACE
TRUNCATED DOME, DETECTABLE WARNING TACTILE SURFACE

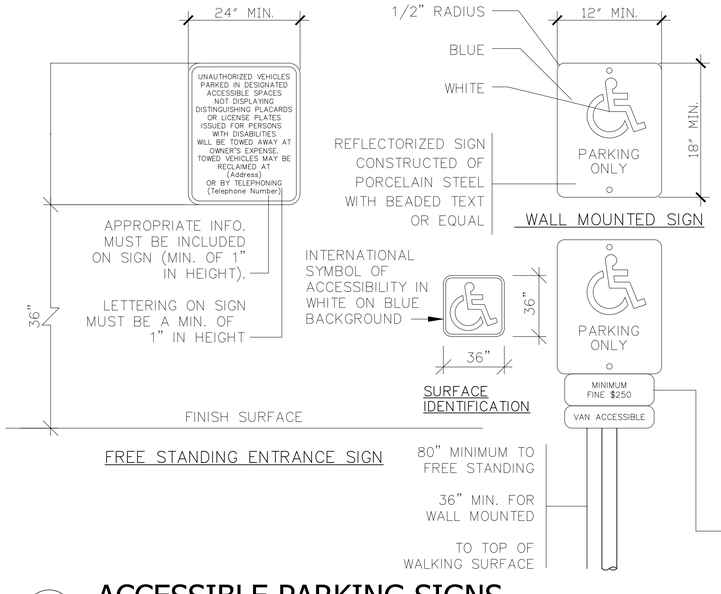
3 DETECTABLE WARNING DETAIL

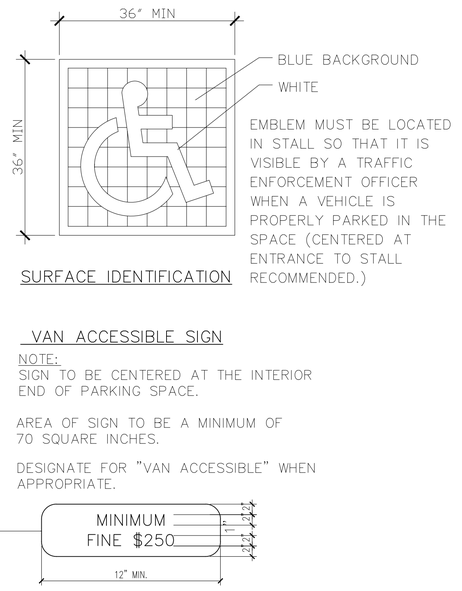
Scale: 1-1/2"=1'-0"



1 (N) ADA COMPLYING PARKING STALL

Scale: 3/8"=1'-0"





SIGNAGE AND IDENTIFICATION OF SPACES:

1. EACH ACCESSIBLE PARKING SPACE TO HAVE PERMANENT (70 SQ. IN.) REFLECTORIZED PORCELAIN ENAMELED STEEL SIGN, FREE STANDING SIGNS LOCATED IN A PATH OF TRAVEL SHALL BE MOUNTED A MIN. OF 80" ABOVE WALKING SURFACE. WALL MOUNTED SIGNS LOCATED AT INTERIOR END OF PARKING SPACE SHALL BE MOUNTED A MIN. OF 36" ABOVE FINISH GRADE.
2. OFF-STREET PARKING FACILITIES TO HAVE SIGN AT EACH ENTRANCE OR IMMEDIATELY ADJACENT TO OR VISIBLE FROM EACH STALL OR SPACE NOT LESS THAN 17"x22" IN SIZE. SIGN TEXT TO BE BEADED (OR ERQUAL).
3. SIGN TEXT TO STATE THE FOLLOWING: "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WIRH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT _____ OR BY TELEPHONING _____." FILL IN BLANK SPACES WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN. CONTACT LOCAL JURISDICTION FOR APPROPRIATE INFORMATION.
4. SIGNS SHALL BE LOCATED CURB SIDE SO THAT A 24" OVERHANG OF A PARKED VEHICLE SHALL NOT DAMAGE IT.

2 ACCESSIBLE PARKING SIGNS

Scale: N.T.S.

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SHEET TITLE

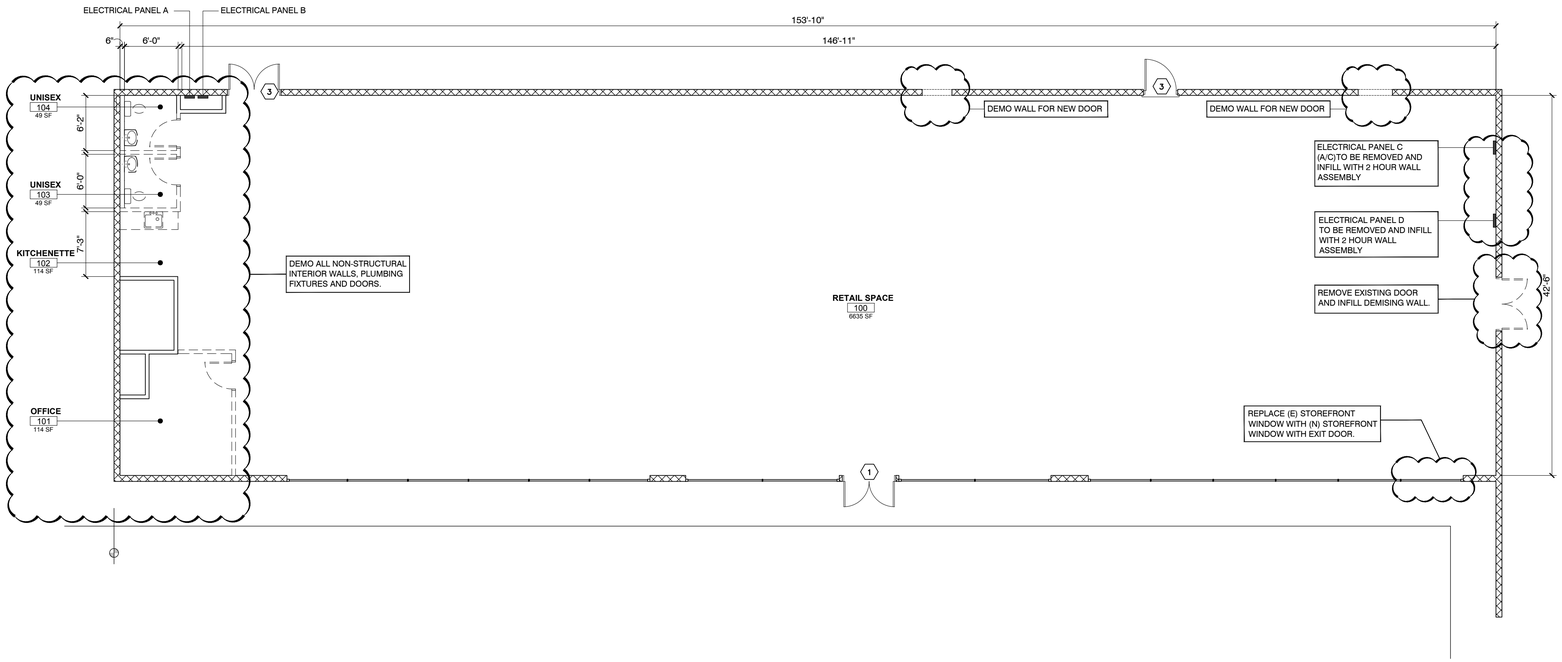
ADA PARKING AND DETECTABLE WARNING

SHEET NO.

A-1.4

WALL LEGEND

- EXISTING WALL DEMISING WALL, TO TOP OF ROOF. 2 HR FIRE RATED BUILDING SEPARATION
- EXISTING WALL TO REMAIN
- DEMOLISH EXISTING NON STRUCTURAL WALL



ARCHITECTURAL SCOPE OF WORK:

1. REMOVE ALL EXISTING NON-STRUCTURAL WALLS.
2. REMOVE EXISTING DOOR AND INFILL DEMISING WALL
3. REMOVE AND DEMO OF ALL EXISTING DUCTWORK
4. REMOVE ALL PLUMBING FIXTURES, AND SAW CUT SLAB FROM EXISTING PLUMBING LINES TO NEW PLUMBING LINES FOR NEW FIXTURE LOCATION.

1 AS-BUILT/DEMO FLOOR PLAN

Scale: 1/8"=1'-0"

North

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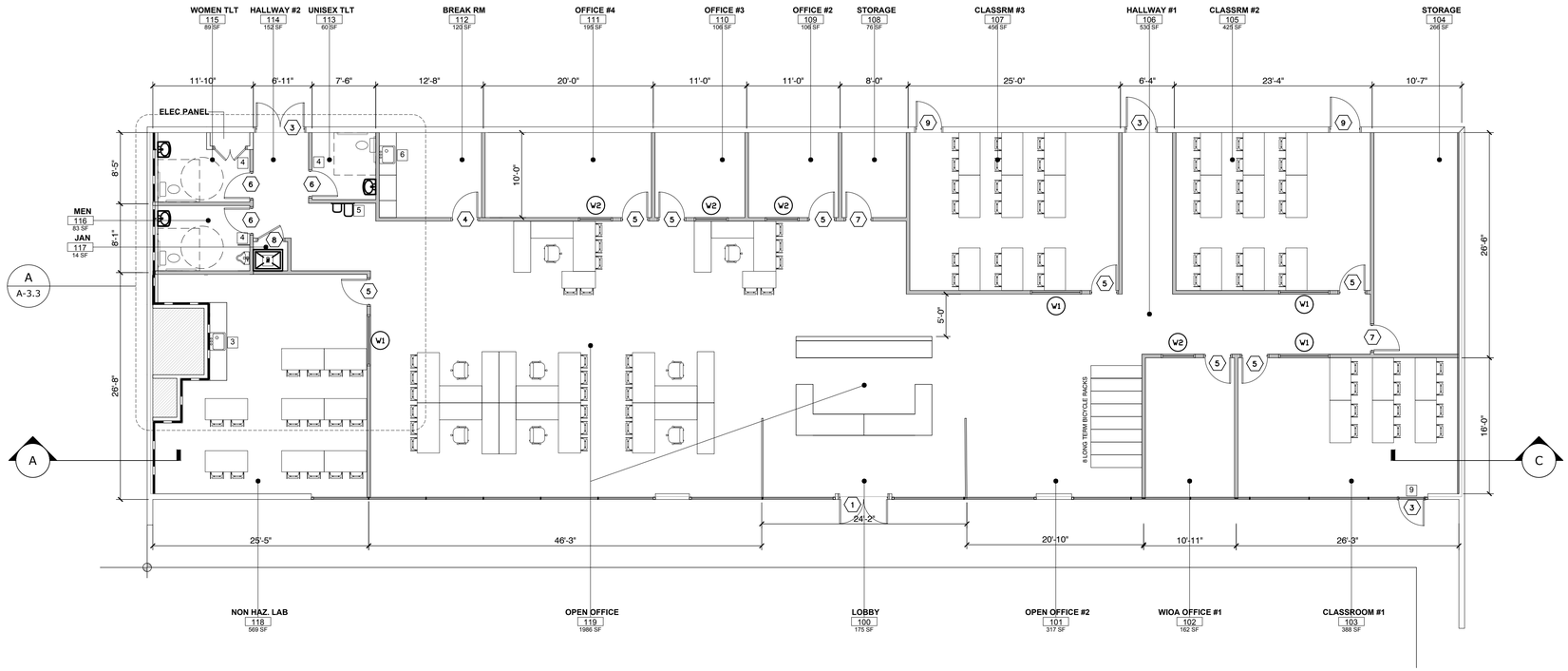
SHEET TITLE

AS-BUILT/DEMO FLOOR PLAN

SHEET NO.

A-2.0



1 Proposed Floor Plan

Scale: 1/8"=1'-0"

North

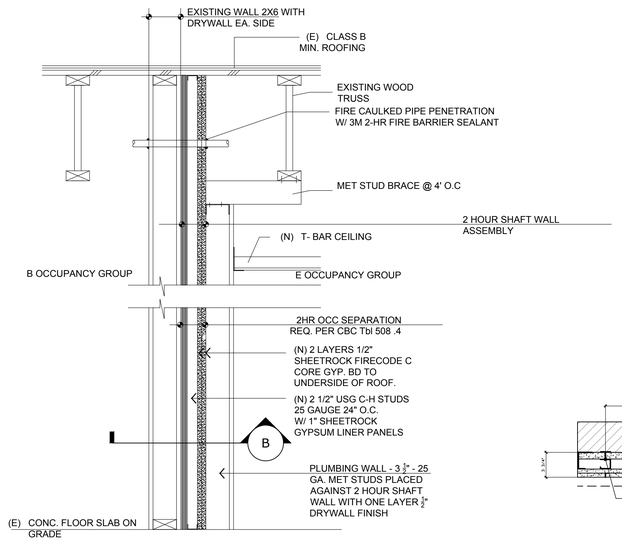
WALL LEGEND

EXISTING WALL TO REMAIN

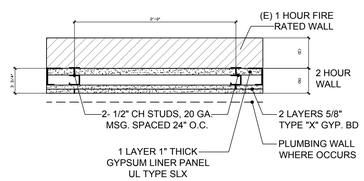
NEW METAL STUD WALL (NON-STRUCTURAL)

SCOPE OF WORK KEYNOTES:

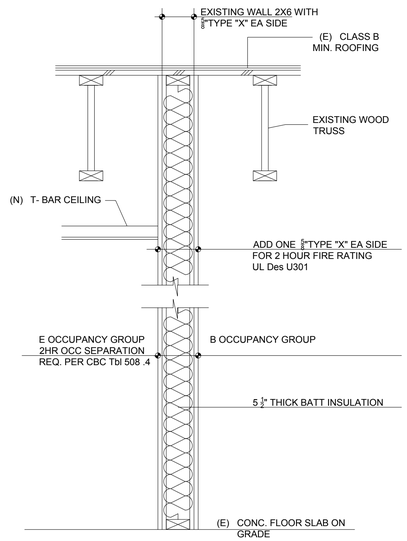
1. ADD NEW NON-STRUCTURAL METAL STUD WALLS.
2. ADD NEW SERVICE SINK IN NEW JANITOR ROOM.
3. ADD NEW CABINET WITH SINK IN SCIENCE LAB.
4. PROVIDE NEW ADA COMPLIANT RESTROOMS.
5. PROVIDE NEW ADA COMPLIANT DRINKING FOUNTAIN
6. ADD NEW CABINET AND SINK IN BREAK ROOM.
7. NEW 3'0 X 6'8" DOOR TO ALL ROOMS.
8. NEW WINDOWS AT CLASSROOMS AND OFFICES
9. REPLACE (E) STOREFRONT WINDOW WITH NEW STOREFRONT WINDOW WITH STOREFRONT EXIT DOOR AND PANIC BAR.
10. INSTALL NEW DAIKIN MINI- SPLIT EQUIPMENT: OUTDOOR UNIT MODEL #FDMQ12RVJU AND INDOOR UNIT MODEL # 5MXS48TVJU
11. INSTALL NEW RETURN AND SUPPLY AIR DUCTWORK
12. INSTALL NEW METAL SPIRAL DUCTWORK, TEE Y'S, ADJUSTABLE 90 DEGREE ELBOWS, VOLUME DAMPERS, DUCTWORK STRAPPING,SCREWS, DUCTWORK SEALER AND FLEX DUCTWORK TO REGISTER AIR DISTRIBUTION.
13. 4.)INSTALL SUPPLY AND RETURN AIR DUCTWORK INSULATION.
14. ALL NEW ELECTRICAL OUTLETS, SWITCHES, AND LIGHTING CONNECTED TO EXISTING ELECTRICAL PANELS PROVIDED.



A NEW 2-HOUR SHAFT WALL SECTION
UL 415 B



B (N) 2 HR FIRE RATED SHAFT WALL
PLAN VIEW UL415 B



C RETROFIT (E) WALL TO 2 HOUR WALL
UL 301

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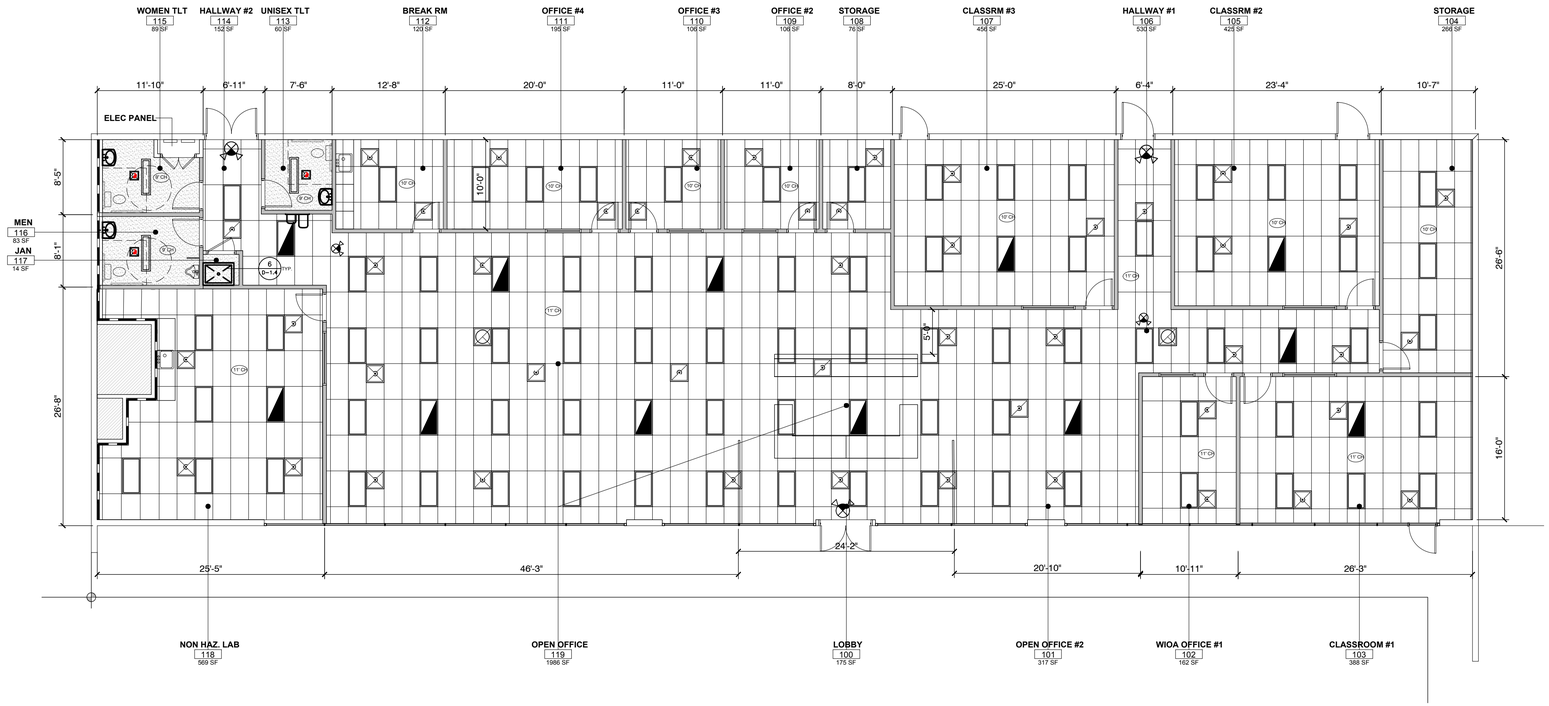
PROPOSED FLOOR PLAN

SHEET NO.

A-3.0



1 Proposed Ceiling Plan

Scale: 1/8"=1'-0"

North

WALL LEGEND

- EXISTING WALL TO REMAIN
- NEW METAL STUD WALL (NON-STRUCTURAL)

- GYPSUM WALL BOARD
- 2X4 ACT
- RETURN AIR REGISTER
- SUPPLY AIR REGISTER
- NEW 2X4 LED FIXTURE
- NEW EXHAUST FAN
- NEW 1X4 LED FIXTURE
- ILLUMINATED EXIT SIGN WALL OR CEILING MOUNTED W/ SELF CONTAINED 90 MINUTE EMERGENCY BATTERY PACK UNIT
- LIGHT FIXTURE W/ 90 MIN /1400 LUMENS BATTERY BACK UP
- (N) BUG EYE EMERGENCY LIGHT W/ 90 MINUTE MIN. BATTERY BACK UP

KEY NOTES:

1 (N) WATER RESISTANT DRYWALL OVER EXIST FRAMING.

2 (N) MET. CEILING W/ WR DRYWALL

GENERAL NOTES:

- PROVIDE REQUIRED SEISMIC BRACING PER DETAIL.
- ELECTRICALLY POWERED, SELF-LUMINOUS AND PHOTO LUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CHAPTER 27. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. CBC 1011.4.
- MECHANICAL VENTILATION FOR EACH AREA/ROOM TO BE PROVIDED IN ACCORDANCE WITH THE 2016 CALIFORNIA MECHANICAL CODE.
- ARTIFICIAL LIGHT SHALL BE PROVIDED THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10'CANDLES (107 LUX) OVER THE AREA OF THE ROOM AT A HEIGHT OF 30"ABOVE THE FLOOR LEVEL.
- EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT WITH THE WORD "EXIT."
- VACANCY SENSORS SHALL BE INSTALLED IN BATHROOMS, OFFICES, CONFERENCE ROOMS, AND ROOMS ENCLOSED BY FULL HEIGHT WALLS.

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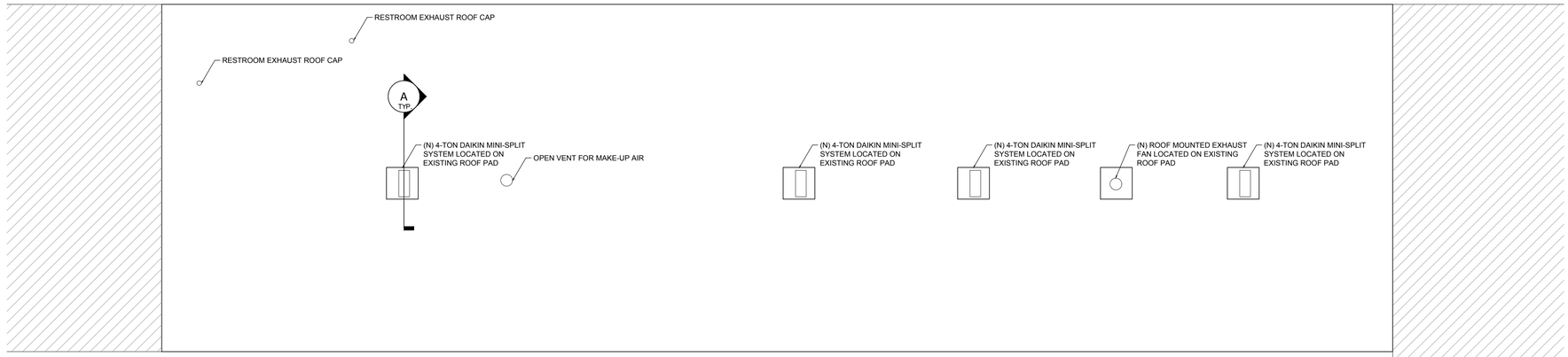
SHEET TITLE

PROPOSED CEILING PLAN

SHEET NO.

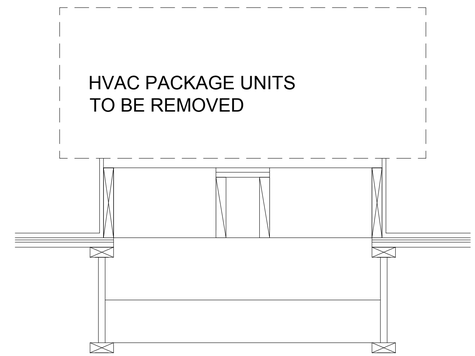
A-3.1



1 Proposed Partial Roof Plan

Scale: 1/8"=1'-0"

North



A EXISTING EQUIPMENT PLATFORM CAPPED WITH NEW ROOF

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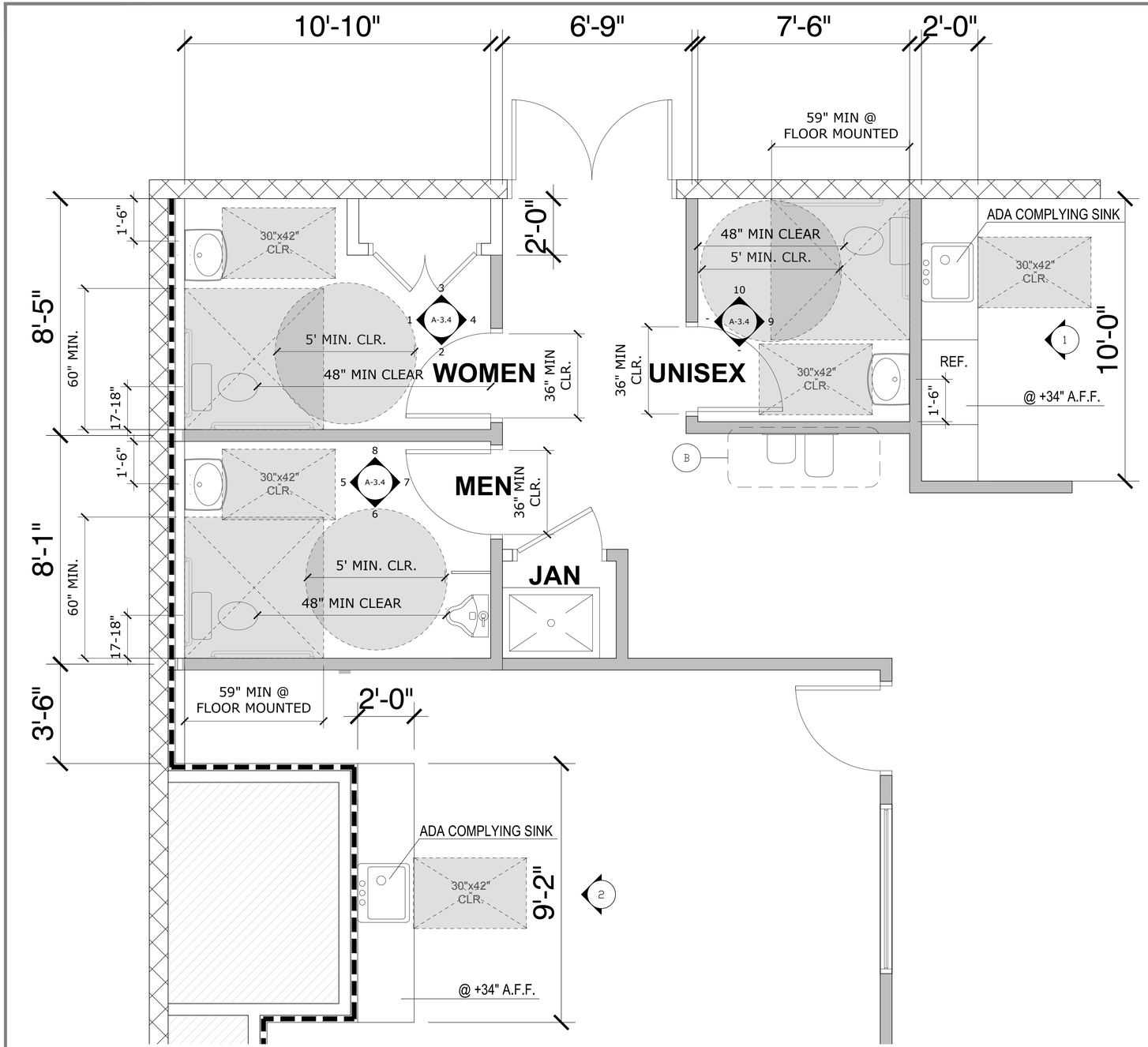
SHEET TITLE

PROPOSED
ROOF PLAN

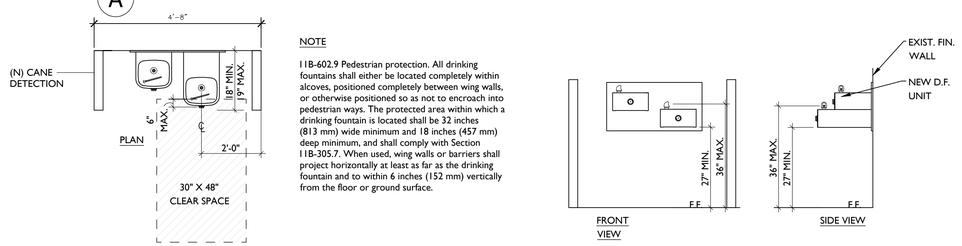
SHEET NO.

A-3.2



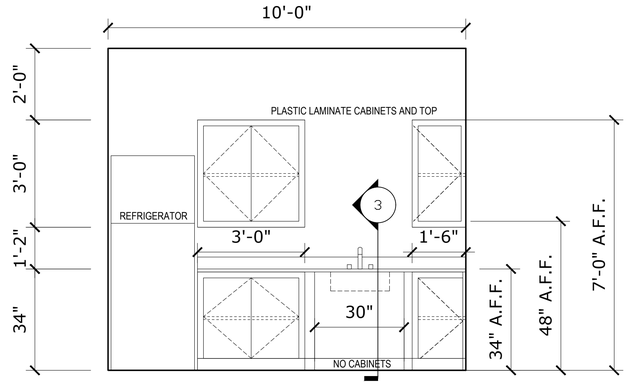
A ENLARGED FLOOR PLANS

Scale: 1/2"=1'-0"



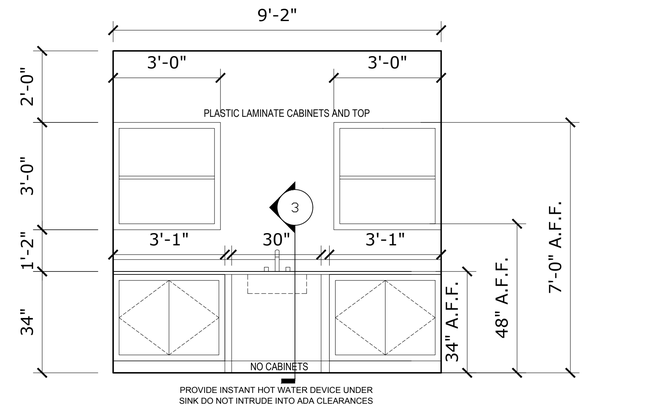
B ENLARGED DRINKING FOUNTAIN

Scale: 1/2"=1'-0"



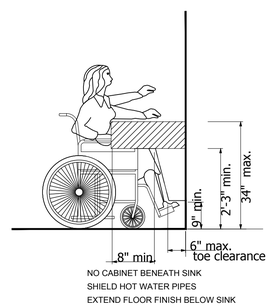
1 BREAK ROOM- CABINET ELEVATION

Scale: 1/2"=1'-0"



2 NON-HAZARDOUS LAB- CABINET ELEVATION

Scale: 1/2"=1'-0"



3 SINK CLEARANCE

Scale: 1/2"=1'-0"

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Exp. 02-28-25
STATE OF CALIFORNIA
CASp 601

A PROJECT FOR:

Options For Youth
Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE
CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

PROJECT DATA

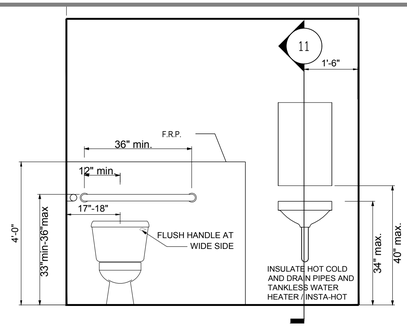
DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

ENLARGED PLANS AND ELEVATIONS

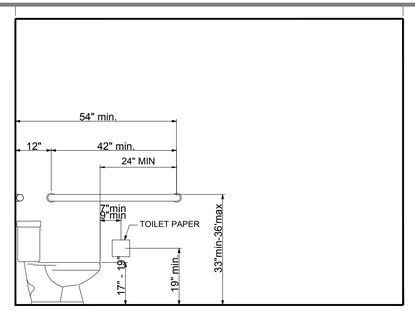
SHEET NO.

A-3.3



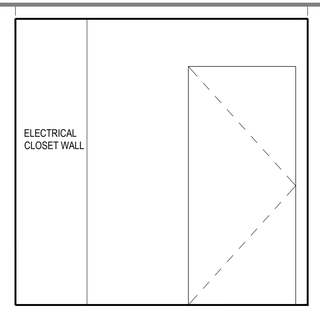
1 ELEVATION

Scale: 1/2"=1'-0"



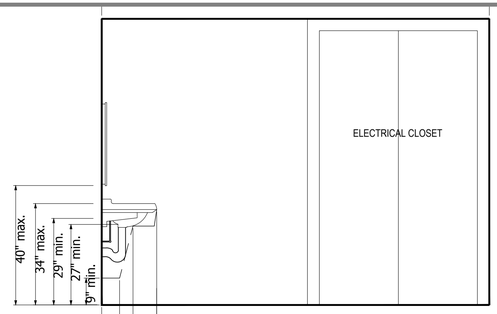
2 ELEVATION

Scale: 1/2"=1'-0"



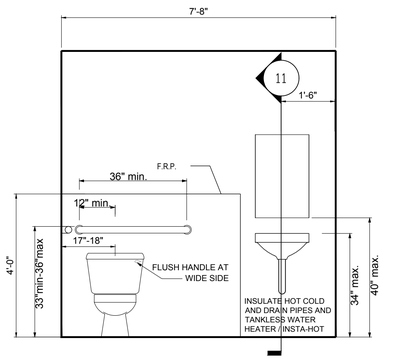
3 ELEVATION

Scale: 1/2"=1'-0"



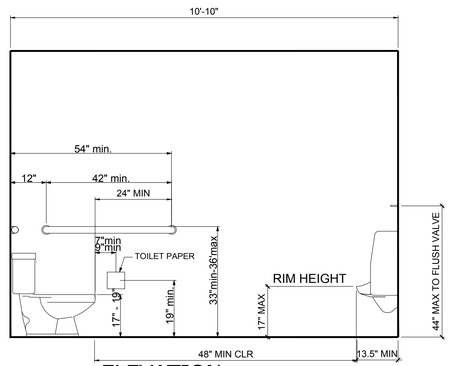
4 ELEVATION

Scale: 1/2"=1'-0"



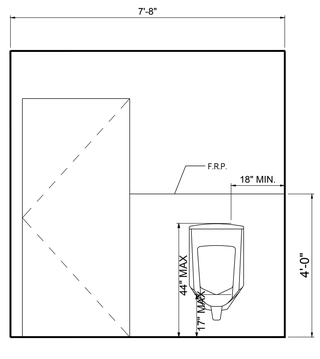
5 ELEVATION

Scale: 1/2"=1'-0"



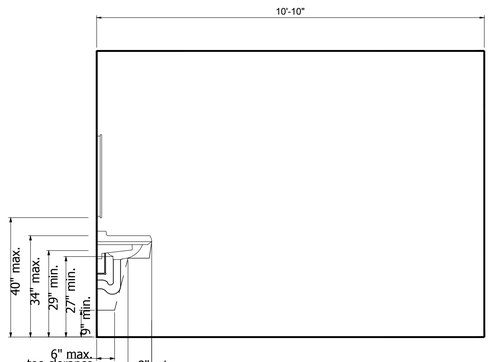
6 ELEVATION

Scale: 1/2"=1'-0"



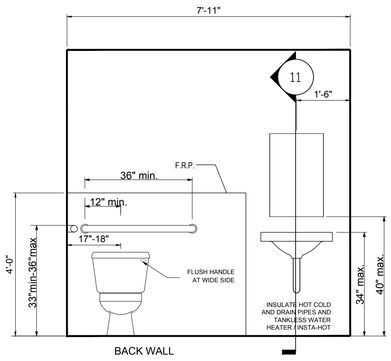
7 ELEVATION

Scale: 1/2"=1'-0"



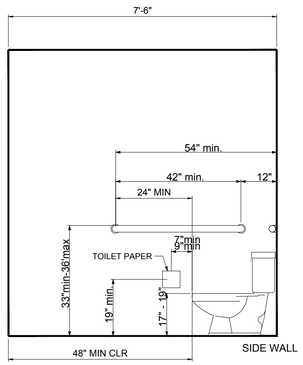
8 ELEVATION

Scale: 1/2"=1'-0"



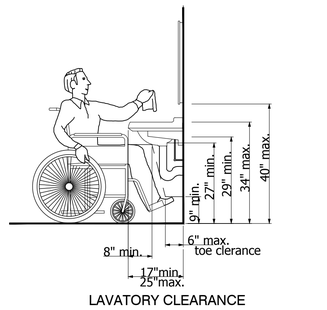
9 ELEVATION

Scale: 1/2"=1'-0"



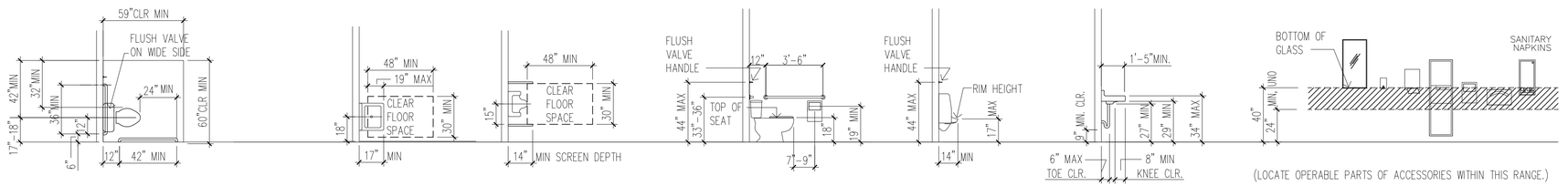
10 ELEVATION

Scale: 1/2"=1'-0"



11 ELEVATION

Scale: 1/2"=1'-0"



12 TYPICAL ADA RESTROOM DETAILS

Scale: 1/4"=1'-0"

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REVISIONS

PROJECT DATA

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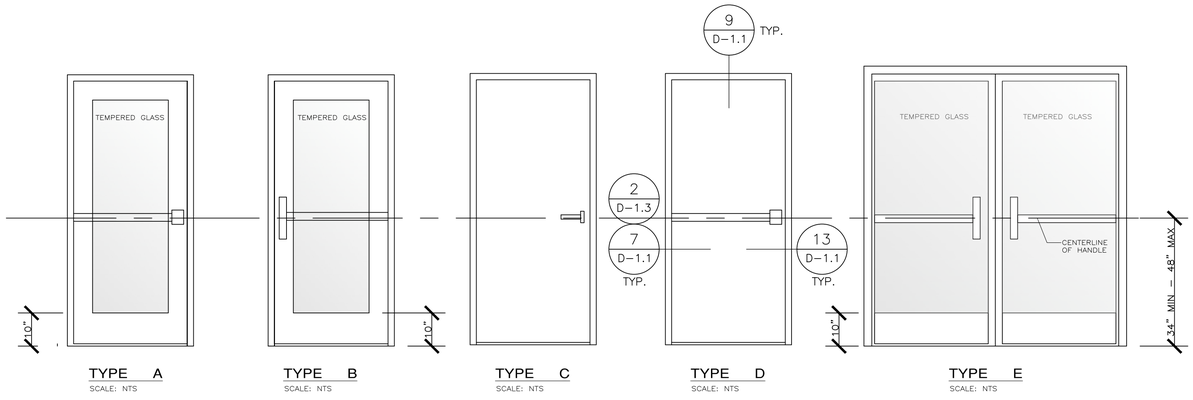
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

ENLARGED PLANS AND ELEVATIONS

SHEET NO.

A-3.4



TYPE A
SCALE: NTS

STOREFRONT DOOR

TYPE B
SCALE: NTS

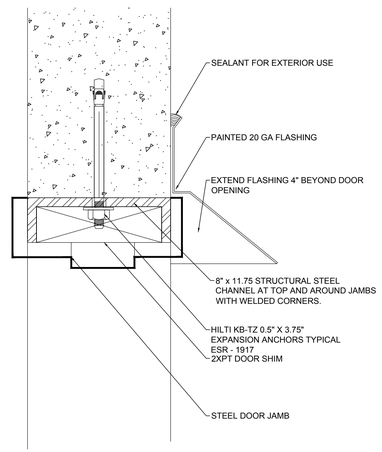
TYPE C
SCALE: NTS

MASONITE FLUSH DOOR

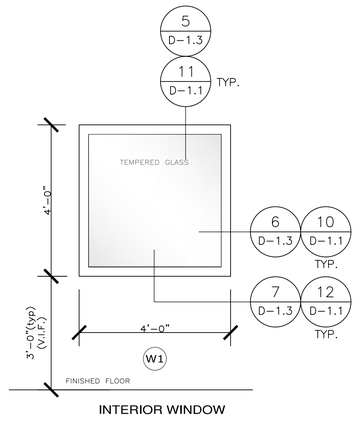
TYPE D
SCALE: NTS

TYPE E
SCALE: NTS

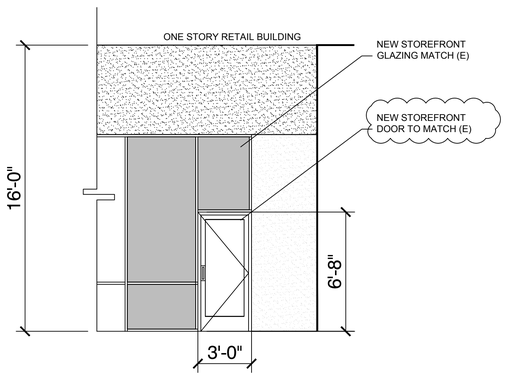
STOREFRONT DOOR



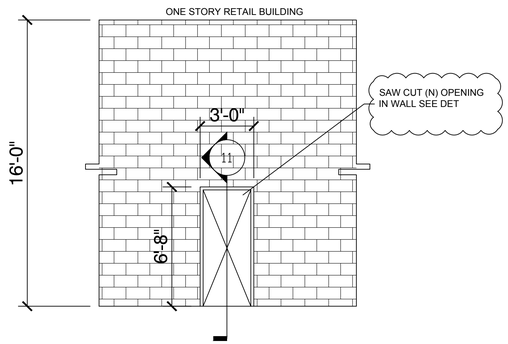
1 MASONRY OPENING DETAIL
JAMB SIMILAR



INTERIOR WINDOW



NEW DOOR IN EXISTING STOREFRONT



NEW DOOR OPENING IN EXISTING MASONRY WALL

DOOR & FRAME SCHEDULE

	DOOR						TIMELY FRAME BROWN TONE			HARDWARE		FIRE RATING & ETC.	QTY.
NO.	SIZE	TYPE	MAT.	CORE	FINISH	GLASS	TYPE	MAT.	FINISH	TYPE	LOCKSET		
1	2-36"x80"x1-3/4"	E	HM	GL	PRE	GL	-	HM	PRE	CL, PB, TH, LS	CAL ROYAL US32D	(E) STOREFRONT ENTRY	1 (E)
2	2-36"x80"x1-3/4"	E	HM	GL	PRE	GL	-	HM	PRE	CL, PB, TH, LS	CAL ROYAL SLO5	REPLACE (E) DOOR W/ (N) STOREFRONT EXIT DOOR	1
3	36"x80"x1-3/4"	A	S	SC	PT	-	-	HM	PT	CL, PB, TH, LS	CAL ROYAL SLO5	REPLACE (E) DOOR W/ (N) STOREFRONT EXIT DOOR	1
4	36"x80"x1-3/4"	C	W/M	SC	ST/PT	-	-	HM	PT	LPRS, CL,	CAL ROYAL SL20	BREAK ROOM	1
5	36"x80"x1-3/4"	B	W/G	GL	PRE	GL	-	HM	PT	LS, CL, PB	CAL ROYAL SL00	OFFICE & CLASSROOM	10
6	36"x80"x1-3/4"	C	W/M	SC	ST/PT	-	-	HM	PT	LPRS, CL,	CAL ROYAL SL20	RESTROOMS	3
7	36"x80"x1-3/4"	C	HM	SC	ST/PT	-	-	HM	PT	CL, LS	CAL ROYAL SLO5	STORAGE	2
8	36"x80"x1-3/4"	C	HM	SC	ST/PT	-	-	HM	PT	LS	CAL ROYAL SL05	JANITOR CLOSET	1
9	36"x80"x1-3/4"	D	S	SC	PT	-	-	HM	PT	CL, PB, TH, LS	CAL ROYAL SLO5	EXIT DOOR	2

LEGEND

AL	ALUMINUM	HM	HOLLOW METAL	PRE	PRE-FINISHED	TH	ALUMINUM THRESHOLD
BB	BALL BEARING BOLTS	IN	INSULATED	PT	PAINT	W	WOOD
C	CHAIN	LPRS	LEVER PRIVACY SET	SC	SOLID CORE	WS	WEATHERSTRIPPING
CL	CLOSER	LS	LOCK SET (LEVER)	ST	STAIN	M	MASONITE FLUSH DOOR
DB	DEAD BOLT	NRP	NON REMOVABLE PIN	ST	STOP	E	EXISTING DOOR TO REMAIN
GL	GLAZING	PB	PANIC BAR	S	STEEL SLAB DOOR		

ROOM FINISH SCHEDULE

	ROOM	FLOOR		WALL								CEILING	
				NORTH		SOUTH		WEST		EAST			
NO.	ROOM NAME	BASE	FINISH	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.		
100	LOBBY	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
101	OPEN OFFICE #2	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
102	OFFICE #1	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
103	CLASSROOM #1	RB	VCT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
104	STORAGE	RB	VCT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
105	CLASSROOM #2	RB	VCT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
106	HALL #1	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
107	CLASSROOM #3	RB	VCT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
108	STORAGE	RB	VCT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
109	OFFICE #2	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
110	OFFICE #3	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
111	OFFICE #4	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
112	BREAK ROOM	RB	VCT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
113	WOMEN RESTROOM	RV	VS	MRD	PT	MRD	PT	MRD	PT	MRD	PT	MRD	FRP ADJACENT TO TOILET
114	HALL #2	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
115	WOMEN RESTROOM	RV	VS	MRD	PT	MRD	PT	MRD	PT	MRD	PT	MRD	FRP ADJACENT TO TOILET
116	MENS RESTROOM	RV	VS	MRD	PT	MRD	PT	MRD	PT	MRD	PT	MRD	FRP ADJACENT TO TOILET
117	JANITOR	RV	VS	MRD	PT	MRD	PT	MRD	PT	MRD	PT	MRD	
118	NON-HAZARDOUS LAB	RV	VS	DW	PT	DW	PT	DW	PT	DW	PT	ACT	
119	OPEN OFFICE	RB	CPT	DW	PT	DW	PT	DW	PT	DW	PT	ACT	

- ALL WALL AND CELING FINISHES MUST COMPLY WITH CBC SEC 803. CLASS C MINIMUM
- FLOOR COVERING MATERIALS SHALL COMPLY WITH ASTM STANDARD E648 AND HAVING A SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450 PER ASTM E662. CBC 804.4.2

LEGEND

ACT	ACOUSTIC TILE	DW	DRYWALL	P	PLYWOOD	VCT	RESILIENT VINYL TILE (VINYL COMPOSITION TILE)
CPT	CARPET	FRP	FIBER REINFORCED PANELS	PT	PAINT	VS	VINYL SHEET
CFB	2 LAYERS ½" CEMENT FIBER BOARD	M	MDF BOARD	RB	RUBBER BASE		
CT	CERAMIC TILE	MRD	MOLD RESISTANT DRYWALL	RV	ROLL VINYL COVE BASE		

CARPET: COMMERCIAL QUEEN CARPET BY SHAW. STYLE NAME- INSPIRED #Q0420
COLOR- ANCHOR
NO PAD INCLUDED.
CARPET TO BE PLACED:
1. READING AREA
2. OFFICES

VCT: ARMSTRONG STANDARD EXCELON (12" X 12"X ⅛")
COLOR #51899/#51946 PER PATTERN OFY & OFL
VCT TO BE PLACED AT
1. STORAGE CLOSET
2. BREAK ROOM
3. IT ROOM
4. CLASSROOMS

RUBBER BASE: BURKE FLOORING
COLOR 701 BLACK
CLASS: 1
RUBBER BASE TO BE PLACED AT:
1. RESTROOMS
2. JANITOR CLOSET
3. LAB

SHEET VINYL: TERRENE SHEET VINYL
COLOR STEEL W/ WELDED SEAMS
SHEET VINYL TO BE PLACED AT:
1. RESTROOM 106 WITH 6" ROLLED VINYL COVE
2. RESTROOM 107 WITH 6" ROLLED VINYL COVE
3. JANITOR CLOSET
4. LAB

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REVISIONS

PROJECT DATA

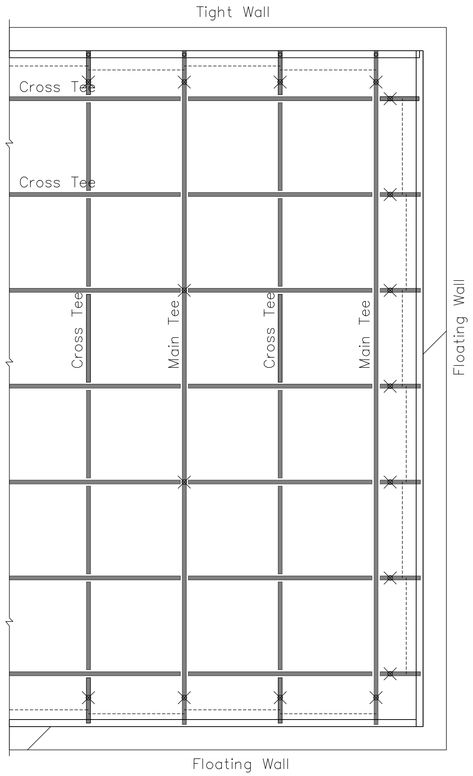
DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

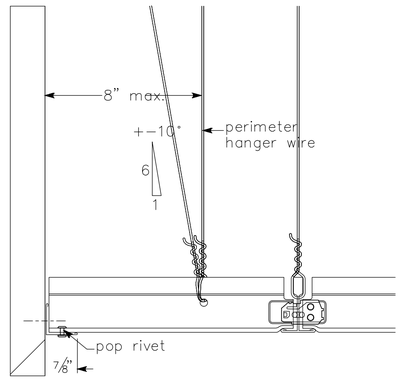
DOOR/WINDOW/
FINISH SCHEDULES

SHEET NO.

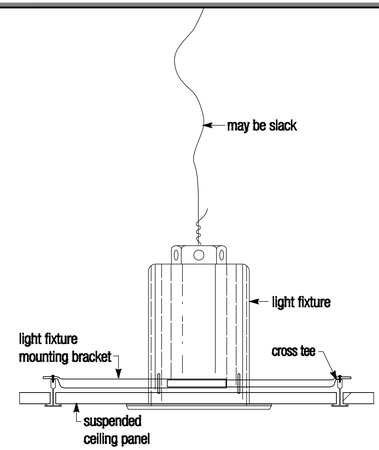
A-4.0



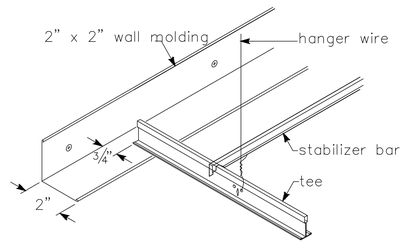
7 STANDARD CEILING LAYOUT
SCALE: NA



4 PERIMETER TREATMENT TIGHT FIXED WALL
SCALE: NA

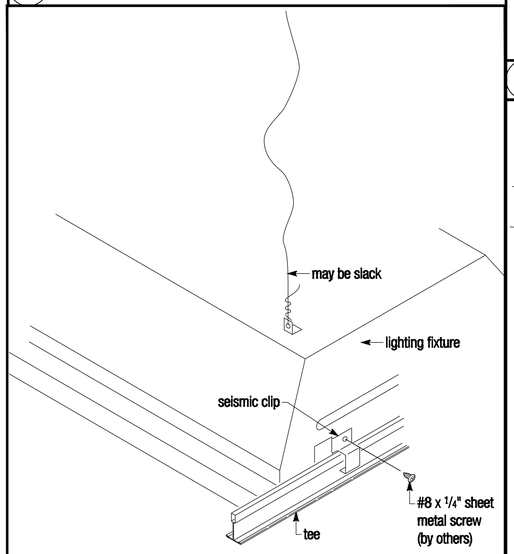


1 CAN LIGHT FIXTURE
SCALE: NA

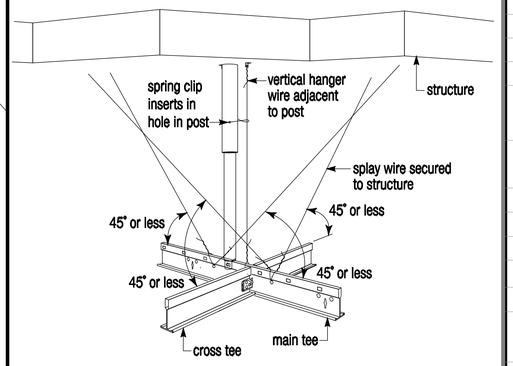


5 PERIMETER TREATMENT FLOATING WALL 2 IN MOLDING-ISO
SCALE: NA

2 NOT USED
SCALE: NA



6 TYPE G LIGHT FIXTURE
SCALE: NA



3 LATERAL BRACING
SCALE: NA

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REVISIONS

1 PLAN CHECK REVISION
02-19-2021

PROJECT DATA

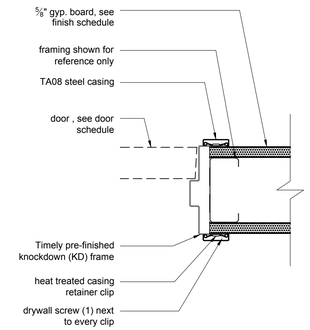
DATE	01-14-2023
ARCHITECT	EM
CHECKED BY	EM
DRAWN BY	AA/EM
PROJECT NO.	-
SCALE	AS NOTED

SHEET TITLE

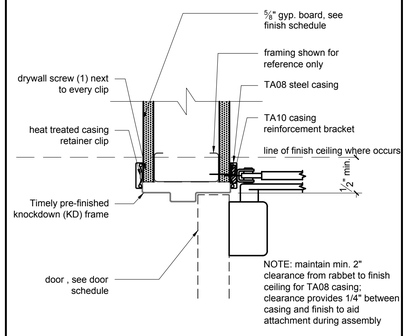
TYPICAL DETAILS

SHEET NO.

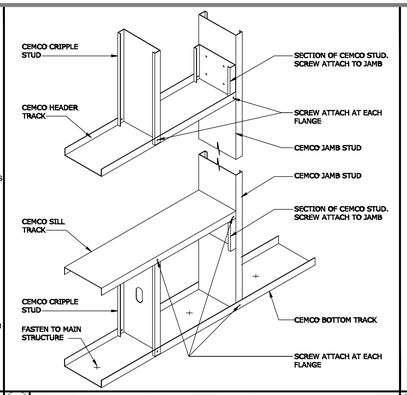
D-1.0



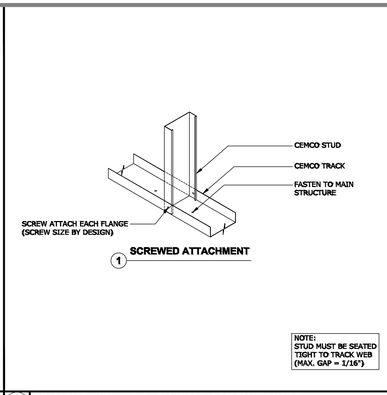
13 TYPICAL JAMB–STRIKE SCALE:1" = 1'-0"



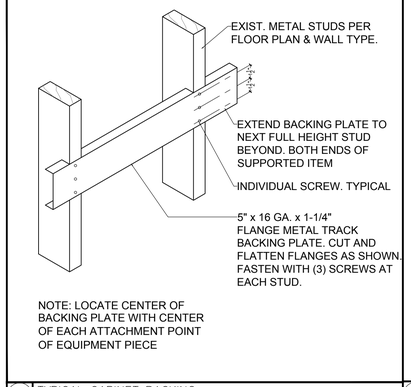
9 TYPICAL HEADER WITH REG. CLOSURE SCALE:1" = 1'-0"



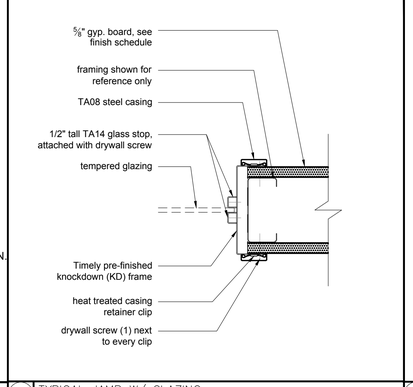
5 WALL INTERSECTION STUDS – TRACK CONNECTION DETAIL SCALE: N.T.S.



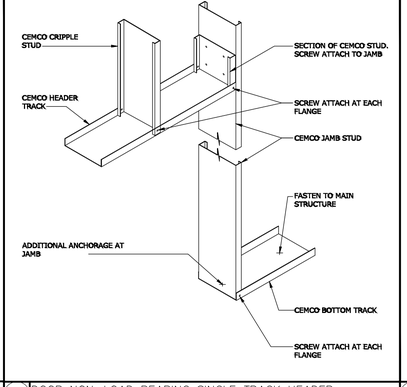
1 SINGLE STUD – TRACK CONNECTION DETAILS SCALE: N.T.S.



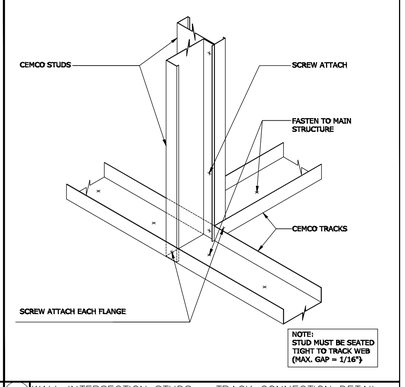
14 TYPICAL CABINET BACKING SCALE: N.T.S.



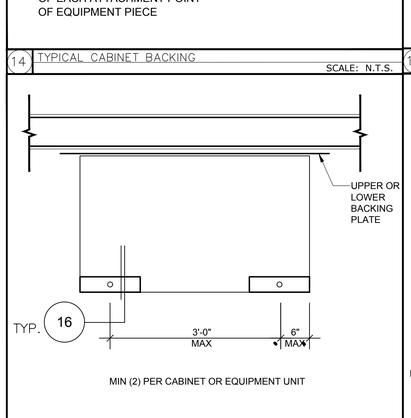
10 TYPICAL JAMB W/ GLAZING SCALE:1" = 1'-0"



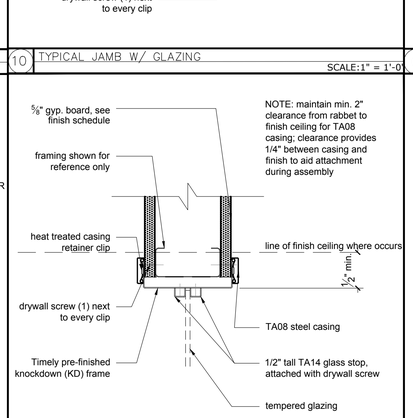
6 DOOR NON-LOAD BEARING SINGLE TRACK HEADER AND SINGLE JAMB SCALE: N.T.S.



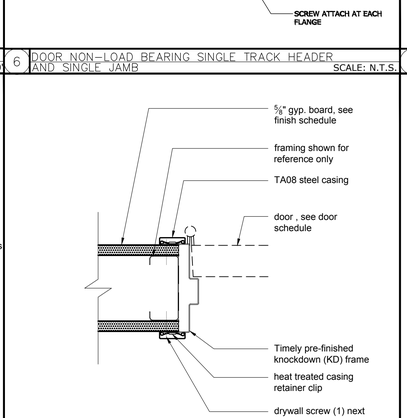
2 WALL INTERSECTION STUDS – TRACK CONNECTION DETAIL SCALE: N.T.S.



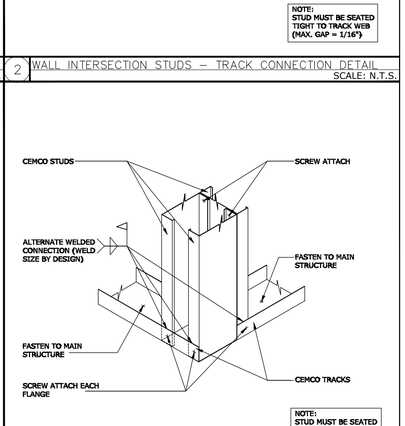
15 TYPICAL ANCHOR LAYOUT SCALE: N.T.S.



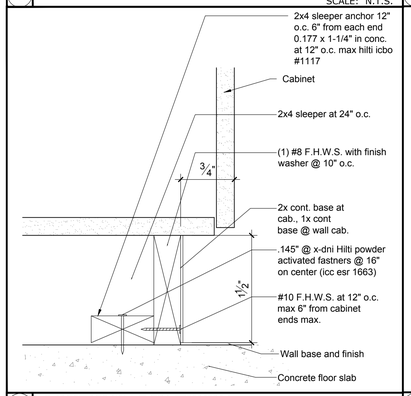
11 TYPICAL HEADER W/ GLAZING SCALE:1" = 1'-0"



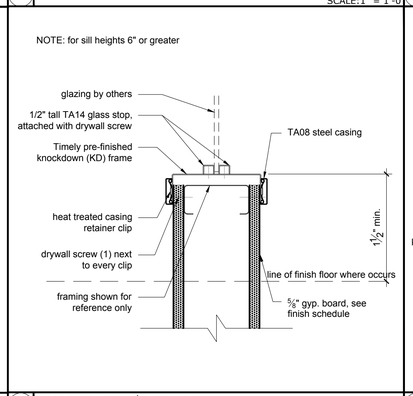
7 TYPICAL JAMB HINGE SCALE:1" = 1'-0"



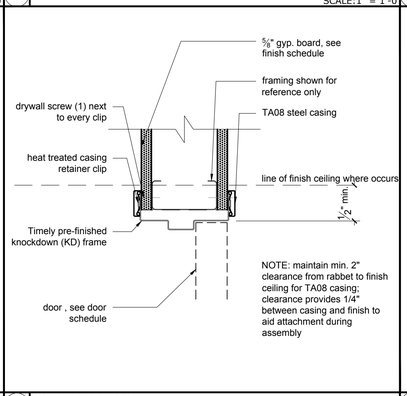
3 CORNER STUDS – TRACK CONNECTION DETAIL SCALE: N.T.S.



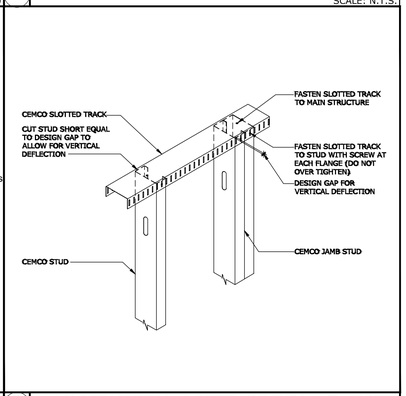
16 TYPICAL CABINET BASE ANCHOR SCALE: N.T.S.



12 TYPICAL SILL W/ GLAZING SCALE:1" = 1'-0"



8 TYPICAL HEADER SCALE:1" = 1'-0"



4 DEFLECTION TRACK ASSEMBLY – SINGLE SLOTTED TRACK SCALE: N.T.S.

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CASp 601

A PROJECT FOR:

Options For Youth Public Charter Schools

131 N. AZUSA AVE.
WEST COVINA, CA 91791

CLIENT:

LUPINE CONSTRUCTION & DEVELOPMENT

715 ARROW GRAND CIRCLE
COVINA, CA 91722

REVISIONS

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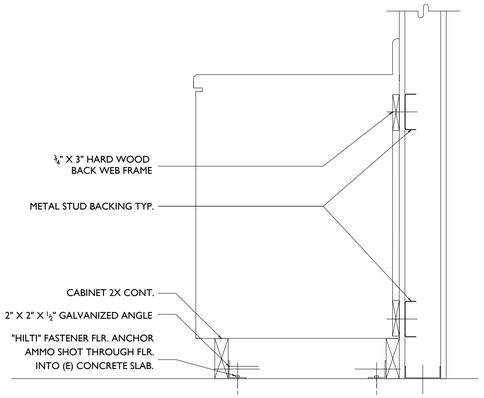
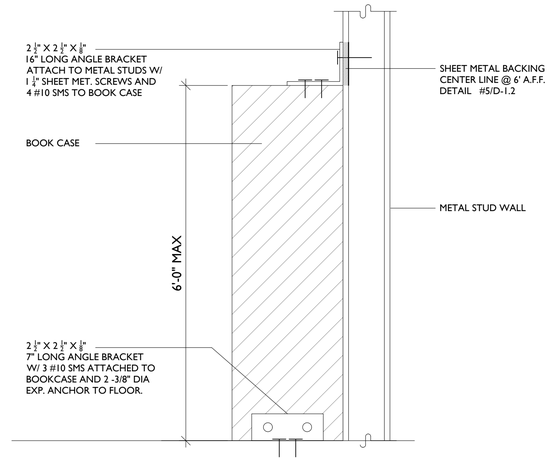
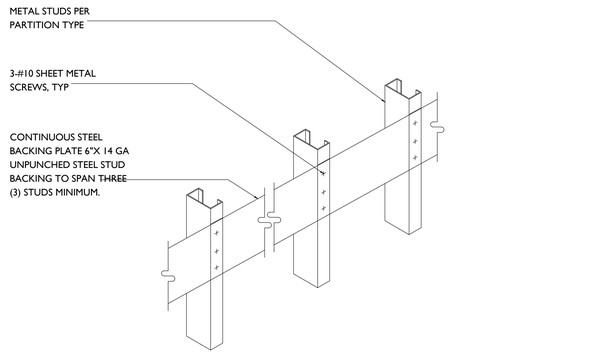
D-1.1



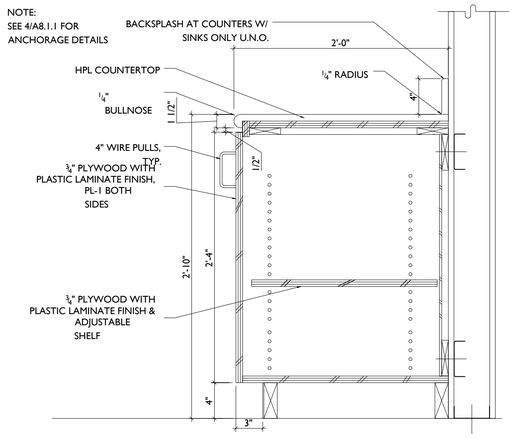
6 BASE CABINET ANCHORAGE
Scale: 1-1/2" = 1'-0"



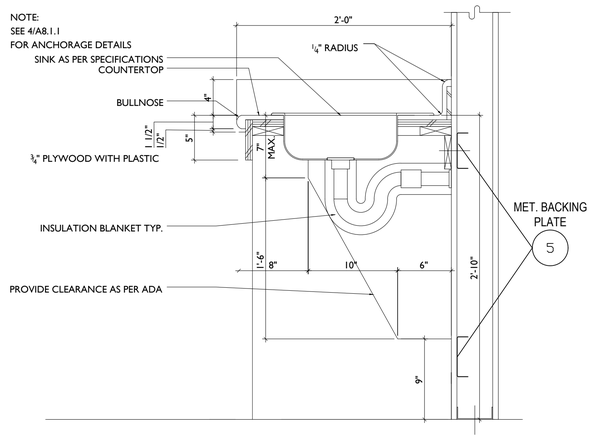
3 BOOK SHELF ANCHORAGE
Scale: 1-1/2" = 1'-0"



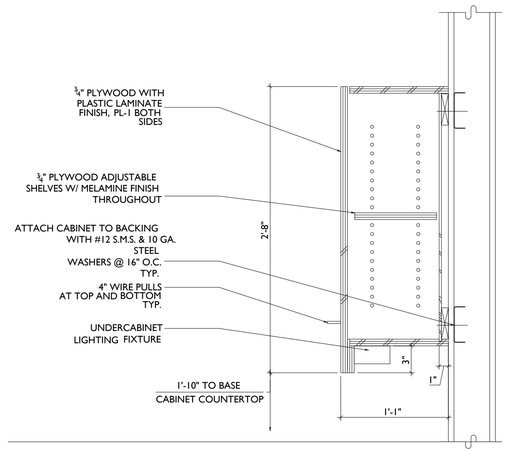
5 BACKING PLATE DETAIL
Scale: NTS



2 BASE CABINET TYPE B
Scale: 1-1/2" = 1'-0"



4 SINK CABINET SECTION
Scale: 1-1/2" = 1'-0"



1 UPPER WALL CABINET TYPE A
Scale: 1-1/2" = 1'-0"

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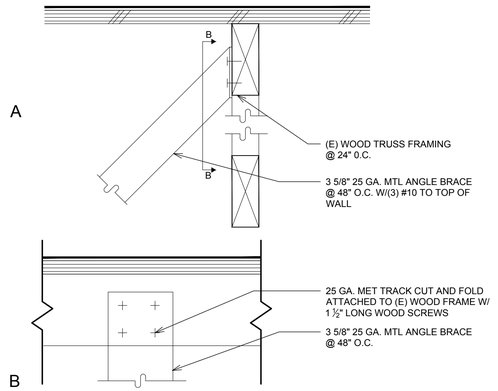
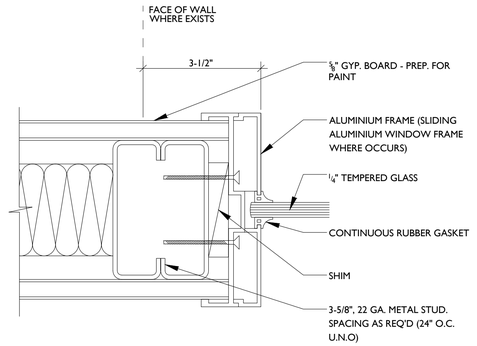
D-1.2



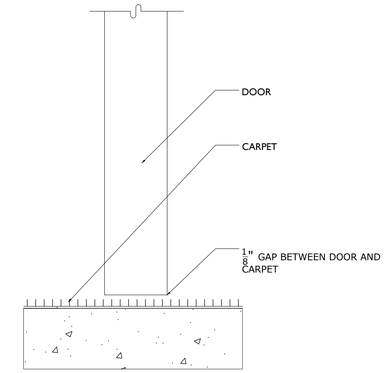
9 WALL BRACE DETAIL

Scale: 3" = 1'-0"



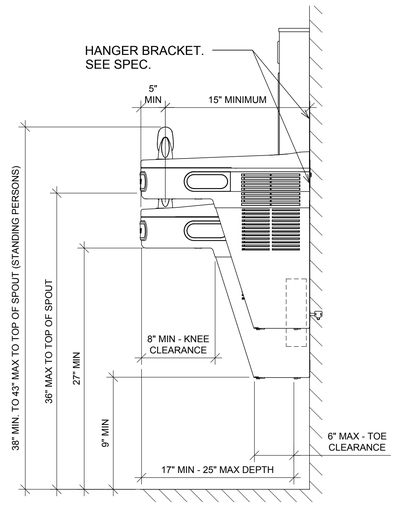
6 INTERIOR ALUMINIUM WINDOW FRAME @ JAMB

Scale: 6"=1'-0"



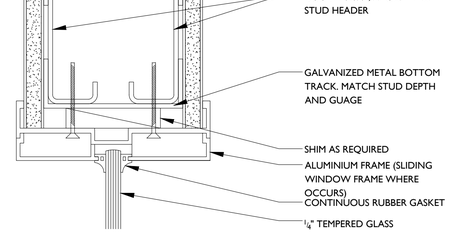
3 THRESHOLD TYP. CARPET @ DOOR

Scale: 6" = 1'-0"



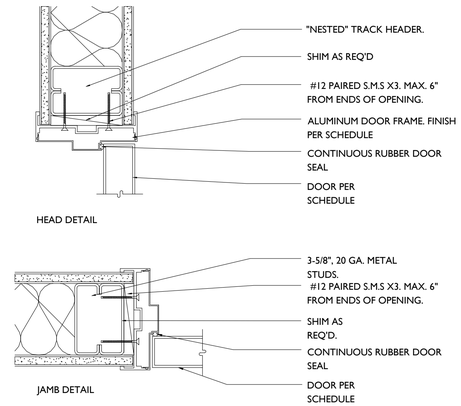
8 HIGH-LOW DRINKING FOUNTAIN SECTION

Scale: 1-1/2" = 1'-0"



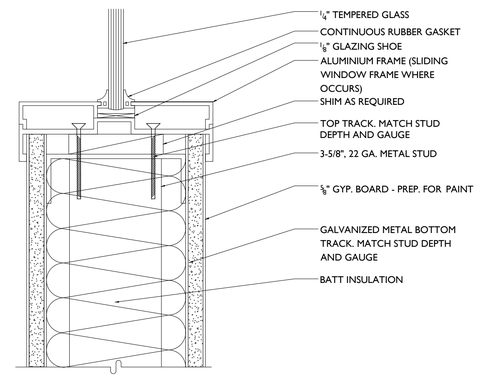
5 INTERIOR ALUMINIUM WINDOW FRAME @ HEAD

Scale: 6"=1'-0"



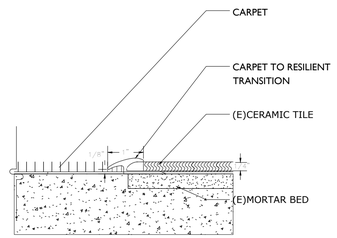
2 ALUMINUM DOOR FRAME JAMB/HEAD IN (N) WALL

Scale: 3" = 1'-0"



7 INTERIOR ALUMINIUM WINDOW FRAME @ SILL

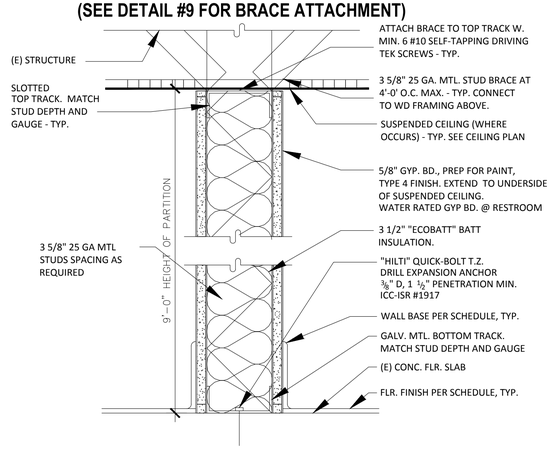
Scale: 6" = 1'-0"



4 THRESHOLD CARPET TO TILE

Scale: 6" = 1'-0"

(SEE DETAIL #9 FOR BRACE ATTACHMENT)



1 TYP. NON RATED WALL

Scale: 3" = 1'-0"

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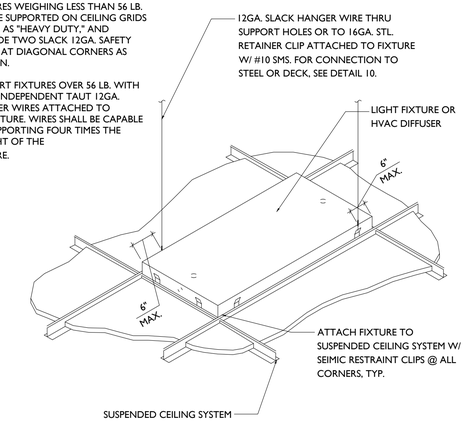
D-1.3

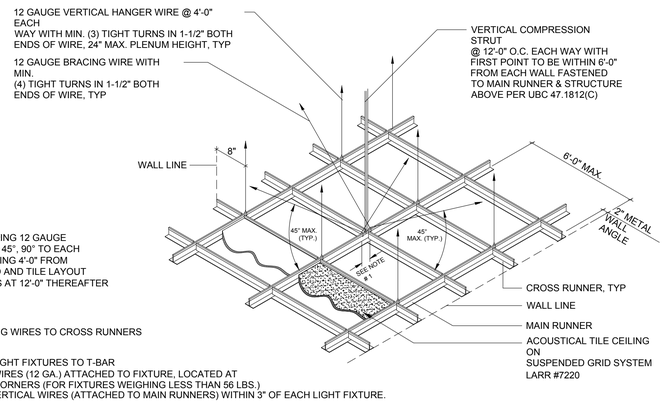
NOTE:
FIXTURES WEIGHING LESS THAN 56 LB. MAY BE SUPPORTED ON CEILING GRIDS RATED AS "HEAVY DUTY," AND PROVIDE TWO SLACK 12GA. SAFETY WIRES AT DIAGONAL CORNERS AS SHOWN.

SUPPORT FIXTURES OVER 56 LB. WITH FOUR INDEPENDENT TAUT 12GA. HANGER WIRES ATTACHED TO STRUCTURE. WIRES SHALL BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.



4 FIXTURE SUPPORT
6" = 1'-0"

VERIFY EXISTING CEILING CONDITION AND COMPLY WITH SEISMIC DETAIL.



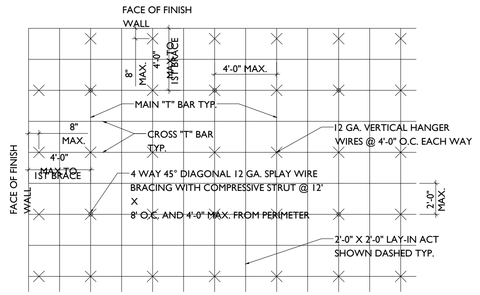
GENERAL NOTE:
INSTALL CEILING GRID USING 12 GAUGE SPLAY WIRE HANGERS @ 45°, 90° TO EACH OTHER (4 WIRES) BEGINNING 4'-0" FROM STARTING POINT OF GRID AND TILE LAYOUT AND IN BOTH DIRECTIONS AT 12'-0" THEREAFTER

NOTES:

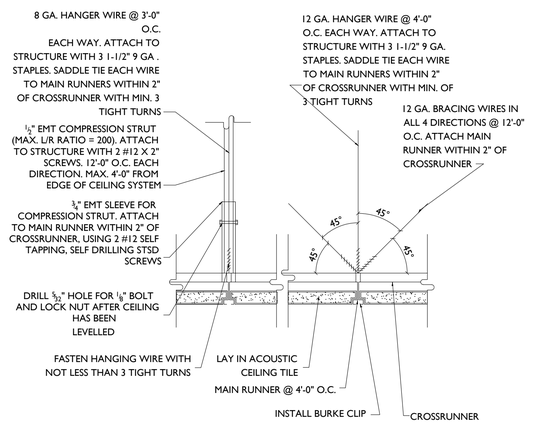
1.) 2" MAX. FROM BRACING WIRES TO CROSS RUNNERS

2.) LIGHT FIXTURE:
A) SCREW OR CLIP LIGHT FIXTURES TO T-BAR
B) PROVIDE SLACK WIRES (12 GA.) ATTACHED TO FIXTURE, LOCATED AT TWO OPPOSING CORNERS (FOR FIXTURES WEIGHING LESS THAN 56 LBS.)
C) PROVIDE FOUR VERTICAL WIRES (ATTACHED TO MAIN RUNNERS) WITHIN 3" OF EACH LIGHT FIXTURE.

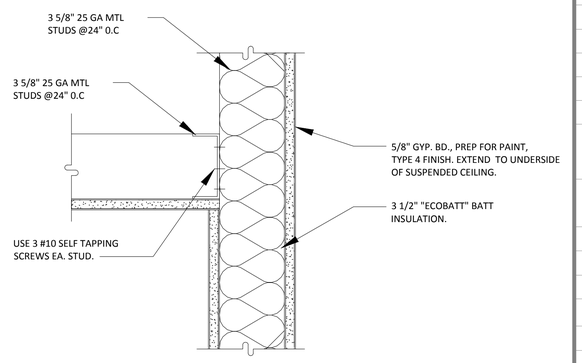
2 CEILING BRACE AXON
1/4" = 1'-0"



5 CEILING PLAN DIAGRAM - ATC
6" = 1'-0"



1 SUSPENDED ACOUSTICAL CEILING TILE
3" = 1'-0"



6 HARD LID CEILING DETAIL
N.T.S.

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