KENCO CONSTRUCTION SERVICES, INC.

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VECTOR ENGINEERING GROUP, INC.

19012 SADDLEBACK RIDGE ROAD

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MECHANICAL/PLUMBING/ELECTIRCAL ENGINEER:

EMAIL: (jrayner@vectorengineeringgroup.com)

CONSTRUCTION MANGER:

PHONE: (714) 981-2752

CONTACT: KEN HINGE

1230 DORIS AVENUE

OXNARD, CA 93030

PROJECT DIRECTORY

AIR HANDLING UNITS WITH A CAPACITY IN EXCESS OF 2000 CFM SHALL BE PROVIDED WITH AUTOMATIC SHUTDOWN VIA SMOKE DETECTORS INSTALLED WITHIN THE DUCT (Per Mechanical Code Section 608.)

- FIRE SPRINKLERS SHALL NOT BE PLACED "OUT OF SERVICE" WITHOUT APPROVAL FROM THE OXNARD FIRE DEPARTMENT.
- A FIRE ALARM EQUIPPED WITH OCCUPANT NOTIFICATION SHALL BE REQUIRED THROUGHOUT THE BUILDING PER THE DIRECTION OF FIRE CODE OFFICIAL (FIRE

FIRE DEPARTMENT NOTES

- THE FIRE ALARM SHALL HAVE OCCUPANT NOTIFICATION DEVICES ACTIVATED BY AUTOMATIC FIRE DETECTORS, AUTOMATIC SPRINKLER SYSTEM WATERFLOW DEVICES, MANUAL FIRE ALARM BOXES AND/OR AUTOMATIC FIRE EXTINGUISHING SYSTEMS. [CFC 907.5]
- PROVIDE AUDIBLE ALARM NOTIFICATION DEVICES WITH A SOUND PRESSURE LEVEL OF 15 DECIBELS ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 DECIBELS ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF NOT LESS THAN 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING. [CFC 907.5.2.3.1]
- PROVIDE VISIBLE ALARM NOTIFICATION DEVICES IN PUBLIC USE AREAS AND COMMON USE AREAS INCLUDING BUT NOT LIMITED TO CORRIDORS, LOBBIES, MULTIPURPOSE ROOMS, RESTROOMS AND OCCUPIED ROOMS WHERE AMBIENT NOISE IMPAIRS HEARING OF THE FIRE ALARM. [CFC 907.5.2.3.1]
- 3200 SERIES KNOX BOX KEY VAULT IS REQUIRED FOR THE BUILDING TO BE LOCATED BY OXNARD FIRE DEPARTMENT.
- FOOT MAXIMUM TRAVEL DISTANCE.

PROVIDE A 2A-IOBC FIRE EXTINGUISHER AT OR NEAR EACH EXIT AND WITHIN 75

- PROVIDE AN APPROVED EXTERIOR STROBE FOR BUILDING, VISIBLE FROM THE STREET OR APPROACH ROADWAY.
- SPRINKLER BACKFLOW DEVICES SHALL BE PAINTED "MACHINE GREEN" AND WHEN A FIRE DEPARTMENT CONNECTION IS ATTACHED IT SHALL BE PAINTED RED.
- A FIVE-YEAR CERTIFICATION INSPECTION REPORT OF THE FIRE SPRINKLER SYSTEM, BY A LICENSED CI6 FIRE PROTECTION CONTRACTOR, MUST BE PROVIDED TO THE FIRE DEPARTMENT VIA www.thecomplianceengine.com PRIOR TO FINAL
- 12. SPRINKLER PROTECTION IS REQUIRED UNDER EXTERIOR ROOFS, CANOPIES, AND OVERHANGS OVER FOUR-FEET IN WIDTH. ADDITIONAL SPRINKLER HEADS MAY BE REQUIRED BASED ON FIELD CONDITIONS AS DEEMED NECESSARY BY THE FIRE

^^^^^

WALL MOUNTED

CLG. MOUNTED

ROOM NAME

ROOM NUMBER

DOOR NUMBER

- CONSTRUCTION NOTE

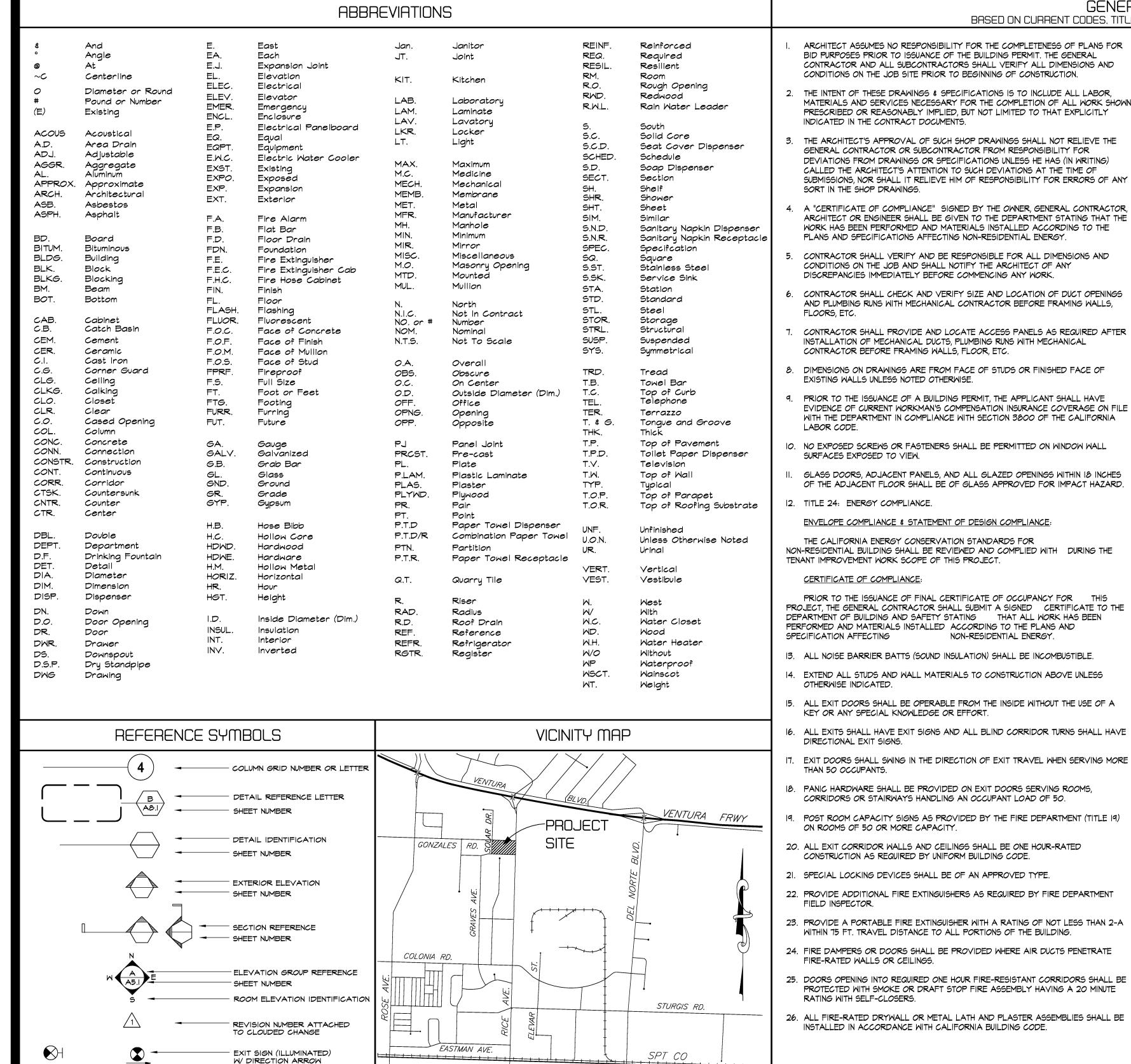
TENANT IMPROVEMENTS FOR:



District Office

1800 SOLAR DRIVE-3RD FLOOR OXNARD — CALIFORNIA — 93030

GENERAL NOTES



WOOLEY RD.

5th STREET

- BASED ON CURRENT CODES. TITLE 24, & 2016 CALIFORNIA BUILDING CODE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OF PLANS FOR BID PURPOSES PRIOR TO ISSUANCE OF THE BUILDING PERMIT. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE PRIOR TO BEGINNING OF CONSTRUCTION.
- THE INTENT OF THESE DRAWINGS & SPECIFICATIONS IS TO INCLUDE ALL LABOR, MATERIALS AND SERVICES NECESSARY FOR THE COMPLETION OF ALL WORK SHOWN PRESCRIBED OR REASONABLY IMPLIED, BUT NOT LIMITED TO THAT EXPLICITLY INDICATED IN THE CONTRACT DOCUMENTS.
- THE ARCHITECT'S APPROVAL OF SUCH SHOP DRAWINGS SHALL NOT RELIEVE THE GENERAL CONTRACTOR OR SUBCONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS UNLESS HE HAS (IN WRITING) CALLED THE ARCHITECT'S ATTENTION TO SUCH DEVIATIONS AT THE TIME OF SUBMISSIONS, NOR SHALL IT RELIEVE HIM OF RESPONSIBILITY FOR ERRORS OF ANY SORT IN THE SHOP DRAWINGS.
- . A "CERTIFICATE OF COMPLIANCE" SIGNED BY THE OWNER, GENERAL CONTRACTOR ARCHITECT OR ENGINEER SHALL BE GIVEN TO THE DEPARTMENT STATING THAT THE WORK HAS BEEN PERFORMED AND MATERIALS INSTALLED ACCORDING TO THE PLANS AND SPECIFICATIONS AFFECTING NON-RESIDENTIAL ENERGY
- CONDITIONS ON THE JOB AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY BEFORE COMMENCING ANY WORK. CONTRACTOR SHALL CHECK AND VERIFY SIZE AND LOCATION OF DUCT OPENINGS
- AND PLUMBING RUNS WITH MECHANICAL CONTRACTOR BEFORE FRAMING WALLS, CONTRACTOR SHALL PROVIDE AND LOCATE ACCESS PANELS AS REQUIRED AFTER INSTALLATION OF MECHANICAL DUCTS, PLUMBING RUNS WITH MECHANICAL
- CONTRACTOR BEFORE FRAMING WALLS, FLOOR, ETC. 8. DIMENSIONS ON DRAWINGS ARE FROM FACE OF STUDS OR FINISHED FACE OF
- PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, THE APPLICANT SHALL HAVE EVIDENCE OF CURRENT WORKMAN'S COMPENSATION INSURANCE COVERAGE ON FILE WITH THE DEPARTMENT IN COMPLIANCE WITH SECTION 3800 OF THE CALIFORNIA
-). NO EXPOSED SCREWS OR FASTENERS SHALL BE PERMITTED ON WINDOW WALL SURFACES EXPOSED TO VIEW.
- GLASS DOORS, ADJACENT PANELS, AND ALL GLAZED OPENINGS WITHIN 18 INCHES OF THE ADJACENT FLOOR SHALL BE OF GLASS APPROVED FOR IMPACT HAZARD.
- 12. TITLE 24: ENERGY COMPLIANCE ENVELOPE COMPLIANCE & STATEMENT OF DESIGN COMPLIANCE:

THE CALIFORNIA ENERGY CONSERVATION STANDARDS FOR NON-RESIDENTIAL BUILDING SHALL BE REVIEWED AND COMPLIED WITH DURING THE TENANT IMPROVEMENT WORK SCOPE OF THIS PROJECT. CERTIFICATE OF COMPLIANCE:

PRIOR TO THE ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY FOR THIS DEPARTMENT OF BUILDING AND SAFETY STATING THAT ALL WORK HAS BEEN PERFORMED AND MATERIALS INSTALLED ACCORDING TO THE PLANS AND SPECIFICATION AFFECTING NON-RESIDENTIAL ENERGY.

- ALL NOISE BARRIER BATTS (SOUND INSULATION) SHALL BE INCOMBUSTIBLE.
- 14. EXTEND ALL STUDS AND WALL MATERIALS TO CONSTRUCTION ABOVE UNLESS
- OTHERWISE INDICATED. 15. ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A
- KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. 16. ALL EXITS SHALL HAVE EXIT SIGNS AND ALL BLIND CORRIDOR TURNS SHALL HAVE
- DIRECTIONAL EXIT SIGNS.
- THAN 50 OCCUPANTS.
- 18. PANIC HARDWARE SHALL BE PROVIDED ON EXIT DOORS SERVING ROOMS. CORRIDORS OR STAIRWAYS HANDLING AN OCCUPANT LOAD OF 50.
- 9. POST ROOM CAPACITY SIGNS AS PROVIDED BY THE FIRE DEPARTMENT (TITLE 19)
- ON ROOMS OF 50 OR MORE CAPACITY. 20. ALL EXIT CORRIDOR WALLS AND CEILINGS SHALL BE ONE HOUR-RATED
- CONSTRUCTION AS REQUIRED BY UNIFORM BUILDING CODE.
- $^{
 m NL}$. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE 22. PROVIDE ADDITIONAL FIRE EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT
- FIELD INSPECTOR. 3. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A
- WITHIN 75 FT. TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING. 24. FIRE DAMPERS OR DOORS SHALL BE PROVIDED WHERE AIR DUCTS PENETRATE
- 25. DOORS OPENING INTO REQUIRED ONE HOUR FIRE-RESISTANT CORRIDORS SHALL BE PROTECTED WITH SMOKE OR DRAFT STOP FIRE ASSEMBLY HAVING A 20 MINUTE RATING WITH SELF-CLOSERS.
- 26. ALL FIRE-RATED DRYWALL OR METAL LATH AND PLASTER ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE.

- 27. FOR PLYWOOD BACKBOARDS REQUIRED IN TELEPHONE AND ELECTRICAL EQUIPMENT ROOMS, SEE ELECTRICAL DRAWINGS.
- COMPLY WITH ELECTRICAL CODE. RELOCATE AS REQUIRED, SEE ELECTRICAL ENG. DRAWINGS FOR ADDITIONAL INFORMATION.

28. EMERGENCY LIGHTING SHALL BE 2 SEPARATE SOURCES OF POWER AND SHALL

- 29. LIGHTED EXIT SIGNS WITH MINIMUM OF 6 INCH HIGH LETTERS SHALL BE POSTED ABOVE EXITS.
- 30. EXIT ILLUMINATION SHALL BE PROVIDED AS REQUIRED BY ELECTRICAL CODE.
- INTERIOR WALL AND CEILINGS SHALL BE INSTALLED IN ACCORDANCE WITH UBC CODE, INCLUDING REQUIREMENTS FOR PLANS SPREAD AND SMOKE DENSITY RATINGS FOR FINISH MATERIALS.
- 32. THE FIRE SPRINKLER SYSTEM DESIGN BY CONTRACTOR.
- 33. EMERGENCY LIGHTING SHALL BE PROVIDED GIVING A VALUE OF THE FOOTCANDLE AT FLOOR LEVEL, (TITLE 19, CHAPTER 33 UBC).
- 34. THE CONTRACTOR FOR THE FIRE SPRINKLER SYSTEM WILL OBTAIN APPROVAL BY CITY AND ARCHITECT.
- 35. INTERIOR WALL AND CEILING FINISHES FOR ASSEMBLY, CLASSROOM, DINING AND BAR AREAS SHALL NOT EXCEED "200" END POINT FLAME SPREAD RATING.
- 36. INTERIOR WALL AND CEILING FINISHES FOR EXIT CORRIDORS SHALL NOT EXCEED AN END POINT FLAME SPREAD RATING OF 75.
- 37. ANY DECORATIONS SHALL BE OF NON-COMBUSTIBLE OR FLAME PROOFED IN APPROVED MANNER.
- 38. EXTEND EXISTING FIRE/LIFE SAFETY SYSTEM INTO NEW SPACES.
- 39. HANDICAP ACCESSIBILITY FROM STREET OR PARKING LOT TO BUILDING ENTRANCE TO MEET PRESENT TITLE 24 REQUIREMENTS.
- 40. TOILET ROOMS TO COMPLY WITH PRESENT TITLE 24 REQUIREMENTS. PER CALIFORNIA CODE OF REGULATIONS, HANDICAP REQUIREMENTS.

ACCESSIBILITY NOTES BASED ON CURRENT CODES. TITLE 24. & 2016 CALIFORNIA BUILDING CODE

- 36" CLEAR WIDTH REQUIRED FOR ALL OCCUPANCIES AND OCCUPANT LOAD LESS THAN
- DOORS 32" MINIMUM CLEAR.
- ON APPROACH SIDE 60" CLEAR LEVEL AREA WHEN DOOR SWINGS OUT

APPROVED BY THE ARCHITECT AND GOVERNING AUTHORITIES.

- 48" AREA WHEN DOOR SWINGS IN.
- ALL PRIMARY ENTRANCES TO BUILDINGS SHALL BE MADE TO THE PHYSICALLY HANDICAPPED. ALL BUILDING ENTRANCES ACCESSIBLE TO AND USABLE BY PHYSICALLY HANDICAPPED SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN WITH ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED. TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS. ALTERNATE IDENTIFICATION MEANS, SHALL BE
- HAND ACTIVATED DOOR OPENING HARDWARE TO BE MOUNTED BETWEEN 34" TO 44" ABOVE THE FLOOR AND SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE
- MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS.
- 'HE BOTTOM IO" OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE. ALL DOORWAYS SHALL HAVE A MINIMUM 32" CLEAR OPENING WHEN THE DOOR POSITION
- ONE DOOR OF A PAIR OF DOORS SHALL MEET THE MINIMUM WIDTH REQUIREMENTS. MAXIMUM HEIGHT OF THRESHOLD TO BE 1/2". MAXIMUM VERTICAL CHANGE AT EDGE IS 1/4" WITH A MAXIMUM BEVEL OF 2:1.
- GRATING AT WALKS SHALL HAVE 1/2" MAXIMUM OPENING IN THE DIRECTION OF TRAVEL PROVIDE A 5'X5' MINIMUM LANDING ON THE WALK SIDE OF DOORS THAT SWING TOWARD
- MALKS SHALL EXTEND 24" TO THE SIDE OF STRIKE EDGE OF DOOR THAT SWING
- THE SURFACES OF FLOORS SHALL BE SLIP RESISTANT. WHEN TESTED IN ACCORDANCE WITH ASTM CIO288 TEST PROCEDURE FOR COEFFICIENT OF FRICTION TILE MUST ACHIEVE A WET AND DRY VALUE OF NOT LESS THAN 0.60. PRIOR TO THE INSTALLATION OF THE FLOOR COVERING, A WRITTEN STATEMENT FROM THE FLOORING MANUFACTURER MUST BE SUBMITTED TO THE DEPARTMENT OF BUILDING & SAFETY STATING THAT THE PRODUCT TO BE INSTALLED MEETS CURRENT INDUSTRY STANDARDS FOR SLIP
- REACH RANGES

IS AT 90° TO THE CLOSED POSITION.

SHALL COMPLY TO CBC IIB-308

TAO.3 ACCESSIBILITY DETAILS

TAO.I TITLE SHEET, VICINITY MAP, GENERAL NOTES, SHEET INDEX, ABBREV. TAO.2 ACCESSIBILITY NOTES

SHEET INDEX

ARCHITECTURAL

OWNER / TENANT:

ARCHITECT:

PK:ARCHITECTURE

AGOURA HILLS, CA 91301

PHONE: (818) 584-0057

CONTACT: BRIAN POLIQUIN

RIO SCHOOL DISTRICT

OXNARD, CA 93036

2500 E. VINEYARD AVENUE, SUITE 100

PHONE: (805) 983-1329 ext. 2201

EMAIL: (cfichtner@rioschools.org)

EMAIL: (bpoliquin@pkarchitecture.net)

CONTACT: CHARLIE FICHTNER

5126 CLARETON DRIVE, SUITE 110

- TAO.4 ACCESSIBILITY DETAILS (* GREEN BUILDING NOTES TAO.5 GREEN BUILDING REQUIREMENTS
- TAO.6 GREEN BUILDING REQUIREMENTS
- TAO.7 GREEN BUILDING REQUIREMENTS
- TAI.O EXISTING SITE PLAN (FOR REFERENCE ONLY)
- TAI.I EXISTING RESTROOM PLANS (FOR REFERENCE ONLY)
- TAI.2 EXISTING ELEVATOR PLANS AND DETAILS (FOR REFERENCE ONLY) TA2.0 LOCATION PLAN
- TA2.I EGRESS PLAN TA3.O.I DEMOLITION PLAN - NORTH WING
- TA3.0.2 DEMOLITION PLAN SOUTH WING
- TA3.I.I PARTITION PLAN NORTH WING TA3.1.2 PARTITION PLAN - SOUTH WING
- TA3.2.1 POWER & DATA PLAN NORTH WING TA3.2.2 POWER & DATA PLAN - SOUTH WING
- TA3.3.1 REFLECTED CEILING PLAN NORTH WING TA3.3.2 REFLECTED CEILING PLAN - SOUTH WING
 - TA3.4.1 FINISH PLAN NORTH WING
 - TA3.4.2 FINISH PLAN SOUTH WING

M-T24 MECHANICAL TITLE 24 FORMS

M-3.0 MECHANICAL DETAILS

M-3.1 MECHANICAL DETAILS

MECHANICAL LEGENDS, SCHEDULES AND NOTES

MECHANICAL DEMOLITION PLAN - SOUTH WING

M-1.0 MECHANICAL DEMOLITION PLAN - NORTH WING

M-2.0 MECHANICAL FLOOR PLAN - NORTH WING

M-2.1 MECHANICAL FLOOR PLAN - SOUTH WING

M-2.2 MECHANICAL ROOF PLAN - NORTH WING

M-2.3 MECHANICAL ROOF PLAN - SOUTH WING

- TA5.0 DOOR SCHEDULE & DETAILS
- TA6.0A DETAILS
- TA6.0B DETAILS

TA6.2 DETAILS

PROJECT INFORMATION

"A-3" ASSEMBLY (BOARD ROOM) 〈

TYPE I-A; FULLY SPRINKLERED

ASSESSORS PARCEL NO.

CONSTRUCTION TYPE:

NUMBER OF STORIES:

SEISMIC ZONE:

Ist FLOOR

2nd FLOOR

3rd FLOOR

USE & OCCUPANCY GROUPS:

PROPOSED 31,868 S.F. TENANT IMPROVEMENT ALTERATION ON THE THIRD FLOOR OF AN EXISTING 3-STORY SPRINKLERED OFFICE BUILDING

EXISTING BLDG. INFORMATION

1800 SOLAR DRIVE

OXNARD, CA 93030

213-0-070-045

3-STORY

41,764 S.F.

38,778 S.F.

35,070 S.F.

ZONE 4

- THE SCOPE OF WORK WILL CONSIST OF DEMOLITION OF EXISTING INTERIOR PARTITIONS DOORS, MILLWORK AND FINISHES. CONSTRUCTION OF NEW INTERIOR PARTITION WALLS & DOORS, NEW ACOUSTICAL CEILINGS TILES ON EXISTING SUSPENDED CEILING GRID SYSTEM; NEW MILLWORK; NEW POWER/DATA AND TITLE-24 COMPLIANT LIGHTING THAT IS
- DISTRIBUTED FROM AN EXISTING ELECTRICAL PANEL. NEW DUCT DISTRIBUTION WILL BE PROVIDED FROM EXISTING MECHANICAL UNITS.
- PROPOSED PLUMBING WORK FOR NEW BREAK ROOM. NO PROPOSED EXTERIOR WORK.

- THIRD FLOOR GROSS TOTAL
- TOTAL AREA OF TENANT IMPROVEMENT ALTERATION:

LOCATION	SUITE NO.	AREA (1/100)	OCCUPANT LOAD	EXITS REQUIRED	EXITS PROVID
rd FLOOR	300	33,884 SF	422	2	3

CATION	SUITE NO.	AREA (1/1 <i>00</i>)	OCCUPANT LOAD	EXITS REQUIRED	EXITS PROVIDED
FLOOR	300	33,884 SF	422	2	3
			B		

OCCUPANCY LOAD CALCULATION

3RD FLOOR

- OFFICE (B) 1 OCC. / 100 S.F. = 324 OCCUPANTS BOARD ROOM (A-3) 1,480 S.F. 1 OCC. / 15 S.F. = 98 OCCUPANTS 422 OCCUPANTS
- OCCUPANT LOAD FACTOR (PER TABLE 1004.1.2)
- ASSEMBLY (A-3) 15 SQ. FT. PER OCCUPANT
- EXITS PROVIDED: 3

CODES

- CEC 2016 CALIFORNIA ELECTRICAL CODE, NFPA 70 \$ 2016 NEC
- CALGREEN 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE NFPA 13 SPRINKLER SYSTEMS - 2016 EDITION NFPA 72 FIRE ALARM CODE - 2016 EDITION

P-O.I PLUMBING LEGENDS, SCHEDULES AND NOTES P-2.0 PLUMBING OVERALL FLOOR PLAN

P-3.0 PLUMBING DETAILS

ELECTRICAL E-O.I ELECTRICAL TITLE SHEET

E-3.2 NEW CONSTRUCTION ONE-LINE DIAGRAM

E-4.1 TITLE 24 COMPLIANCE CERTIFICATES

DEFERRED SUBMITTALS

Approval of certain aspects of the construction may be deferred until the

construction contract has been awarded. The awarded contractor will be

responsible for all engineering fees, obtaining reviews and approval and

the contractor. Any delays incurred due to untimely submission, will be

considered as an Inexcusable Delay as set forth in Article 7.4.3 of General

Some of the deferred submittals are (but not limited to):

Fire Sprinkler (Suppression) System

CODE, AND 2016 CALIFORNIA ENERGY CODE.

BORNE BY THE OWNER.

TENANT

permitting fees. The submission of the plans and calculations to the Architect

(Alteration to the existing fire sprinkler system require a separate

THIS PROJECT SHALL COMPLY WITH THE 2016 EDITIONS OF THE CALIFORNIA BUILDING/

THESE DOCUMENTS HAVE BEEN RECEIVED AND CHECKED FOR ACCURACY INCLUDING:

WALL & FLOOR FINISH LOCATIONS & SPECIFICATIONS. ANY CHANGES WILL BE AT

OWNER. EXPENSE OF ADDITIONAL OR REVISED CONSTRUCTION DOCUMENTS SHALL BE

ADDITIONAL EXPENSE TO THE OWNER ONCE THE DRAWINGS ARE APPROVED AND

APPROVED FOR CONSTRUCTION

DIMENSIONS & CABINETRY MILLWORK & DETAILS; LOCATIONS OF PARTITIONS; TELEPHONE &

RELEASED FOR CONSTRUCTION. ALL REVISIONS SHALL BE APPROVED IN WRITING BY THE

APPROVED AS NOTED, RELEASED FOR CONSTRUCTION

DATE

ELECTRICAL OUTLET LOCATIONS: SPECIAL ELECTRICAL & LIGHTING REQUIREMENTS: AND

PLUMBING/ MECHANICAL CODES AND THE 2016 EDITION OF THE CALIFORNIA ELECTRICAL

(Alteration to the fire alarm system is required, under separate submittal

City of Oxnard, and applicable local agencies shall be the sole responsibility of

LIGHTING FLOOR PLAN (NORTH) E-1.2 LIGHTING FLOOR PLAN (SOUTH) LIGHTING CONTROLS FLOOR PLAN (NORTH,

E-3.3 PANEL SCHEDULES

Conditions - Section 00700.

- LIGHTING CONTROLS FLOOR PLAN (SOUTH) E-1.5 LIGHTING CONTROL DETAILS
- E-2.I POWER FLOOR PLAN (NORTH) POWER FLOOR PLAN (SOUTH) DEMOLITION ONE-LINE DIAGRAM

33,884 S.F.

31,868 S.F.

- 422 OCC > 49 OCC < 501 OCC = 2 EXITS REQUIRED
- PER CBC 2016 TABLE 1006.3.1, FOR 1-500 OCCUPANTS MINIMUM NUMBER OF EXITS PER STORY REQUIRED IS 2
- PLAN CHECK / PERMIT NUMBER

APPLICATION / PERMIT# : 19-00001739

- 2016 CALIFORNIA MUNICIPAL CODE (LOCAL AMENDMENTS) CBC - 2016 CALIFORNIA BUILDING CODE
- CMC 2016 CALIFORNIA MECHANICAL CODE CPC - 2016 CALIFORNIA PLUMBING CODE 2016 CALIFORNIA ENERGY CODE (TITLE 24) CFC - 2016 CALIFORNIA FIRE CODE

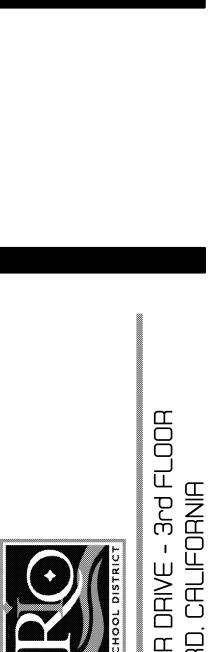
herein constitute the original and unpublished work of the architect and the same may not be duplicated used or disclosed without the written consent of the architect.

	PLAN CHECK SUBMIT.	04.15.1
A	ISSUED FOR BID/ADDA	04.30.1
\triangle		00.001

COVER SHEET

scale

18-87.60



5126 clareton drive : suite 110

egoura hills : california 9130

/: 818.584.0057 f: 818.584.001

w: pkarchitecture.net

2. GEOMETRIC (CIRCLE & TRIANGLE) SYMBOLS ON SANITARY FACILITY DOORS SHALL BE CENTERED AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF DOOR.

20. MULTIPLE ACCOMMODATION SANITARY FACILITIES

- I. WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITH A DOOR
 THAT HAS AN AUTOMATIC-CLOSING DEVICE. AND SHALL HAVE A CLEAR,
 UNOBSTRUCTED OPENING WIDTH OF 32" WHEN LOCATED AT THE END
 AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT
 AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- 2. WHEN STANDARD COMPARTMENT DOORS ARE USED, WITH A MINIMUM 9 INCHES CLEARANCE FOR FOOTRESTS UNDERNEATH AND A SELF-CLOSING DEVICE, CLEARANCE AT THE STRIKE EDGE, AS SPECIFIED IN SECTION 1133B.2.4.3, IS NOT REQUIRED.
- 3. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH.
 THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING, OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST.

21. SANITARY FACILITY FIXTURES & ACCESSORIES

- I. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17 INCHES AND A MAXIMUM OF 19 INCHES MEASURED TO THE TOP OF A MAXIMUM 2 INCHES HIGH TOILET SEAT, EXCEPT THAT 3 INCH SEATS SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15 INCHES HIGH.
- LAVATORIES WHEN LOCATED ADJACENT TO A SIDE WALL OR PARTITION SHALL, BE A MINIMUM DISTANCE OF 18 INCHES TO THE CENTER LINE OF THE FIXTURE.
- 3. LAVATORIES THAT ARE DESIGNATED TO BE ACCESSIBLE SHALL BE MOUNTED WITH THE RIM OR COUNTER EDGE NO HIGHER THAN 34 INCHES ABOVE THE FINISHED FLOOR AND WITH A VERTICAL CLEARANCE MEASURED FROM THE BOTTOM OF THE APRON OR OUTSIDE BOTTOM EDGE OF THE LAVATORY OF 29 INCHES, REDUCING TO 27 INCHES AT A POINT LOCATED & INCHES BACK FROM THE FRONT EDGE. KNEE CLEARANCE BELOW THE LAVATORY SHALL EXTEND A MINIMUM OF 30 INCHES IN WIDTH BY I7 INCHES DEPTH. TOE CLEARANCE SHALL BE THE SAME WIDTH AND SHALL BE A MINIMUM OF 9 INCHES HIGH FROM THE FRONT OF THE LAVATORY.
- 4. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- 5. URINALS SHALL BE FLOOR MOUNTED OR WALL HUNG. WHERE ONE OR MORE WALL HUNG URINALS ARE PROVIDED, AT LEAST ONE WITH A RIM PROJECTING A MINIMUM OF 14 INCHES FROM THE WALL AND AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR SHALL BE PROVIDED.
- 6. CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS.
- 7. WATER CLOSET AND URINAL FLUSH VALVES CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44 INCHES ABOVE THE FLOOR.
- 8. THE FORCE REQUIRED TO ACTIVE WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE NO GREATER THAN 5 POUNDS PER FOOT. ELECTRONIC OR AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE.
- 9. SELF-CLOSING FAUCET CONTROL VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
- IO. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE NO HIGHER THAT 40 INCHES FROM THE FLOOR.
- II. WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, AND OTHER SIMILAR DISPENSING AND DISPOSABLE FIXTURES ARE PROVIDED AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40 INCHES FROM THE FINISHED FLOOR.
- 12. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12 INCHES OF THE FRONT EDGE OF THE TOILET SEAT AND NO LOWER THAN 19 INCHES FROM THE FLOOR. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.
- 13. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12 INCHES OF THE FRONT EDGE OF THE TOILET SEAT AND NO LOWER THAN 19 INCHES FROM THE FLOOR. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.
- 14. TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CERAMIC TILE OR OTHER APPROVED MATERIAL WHICH EXTENDS UPWARD ONTO THE WALLS AT LEAST 5 INCHES. WALLS WITHIN WATER CLOSET COMPARTMENTS AND WALLS WITHIN 24 INCHES OF THE FRONT AND SIDES OF URINALS SHALL BE SIMILARLY FINISHED TO A HEIGHT OF 48 INCHES AND, EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE A TYPE WHICH IS NOT ADVERSELY AFFECTED BY MOISTURE.

22. STAIRWAYS

- STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE. HANDRAILS SHALL BE CONTINUOUS ALONG BOTH SIDES OF THE STAIRWAY. INTERMEDIATE HANDRAILS SHALL BE PROVIDED AS REQUIRED IN SECTION 1012.8.
- 2. HANDRAILS SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE TOP NOSING AND 12 INCHES PLUS THE TREAD WIDTH BEYOND THE BOTTOM NOSING AND ENDS SHALL BE RETURNED OR TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS.
- 3. TACTILE FLOOR IDENTIFICATION SIGNS THAT COMPLY WITH SECTION IIITB.5.I SHALL BE LOCATED AT EACH FLOOR LEVEL LANDING IN ALL ENCLOSED STAIRWAYS IN BUILDINGS TWO OR MORE STORIES IN HEIGHT TO IDENTIFY THE FLOOR LEVEL. AT 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.

- 6. CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-RATIO OF BETWEEN 3:5 AND I:I AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN I:5 AND I:IO (III7B.5.3)
- 7. CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (1117B.5.2)
- 8. CHARACTERS AND NUMBERS ON SIGNS REQUIRED TO BE ACCESSIBLE BY SECTION IIITB.5.1 ITEMS 2 AND 3 SHALL BE SIZED ACCORDING TO THE TABLE IN SECTION IIITB.5.4. (IIITB.5.4)

 4. CONTRACTED (GRADE 2) BRAIL E SHALL BE USED WHEREVER BRAIL E IS REQUIRED IN OTHER PORTIONS.
- 9. CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH ABOVE THE BACKGROUND. (1117B.5.6)
- 10. PROVIDE PLANS, SPECIFICATIONS AND DETAILS FOR ALL SIGNS AND IDENTIFICATION AS SPECIFIED IN SECTION III7B.5.I, WHEN INCLUDED IN NEW CONSTRUCTION, ALTERATIONS, ADDITIONS OR RENOVATIONS. (III7B.5.I ITEM 4.I)

14. ACCESSIBLE PARKING

- I. EACH LOT OR PARKING STRUCTURE WHERE PARKING IS PROVIDED FOR THE PUBLIC AS CLIENTS GUESTS OR EMPLOYEES SHALL PROVIDE ACCESSIBLE PARKING AS REQUIRED BY SECTION 1129B.
- 2. ACCESSIBLE PARKING SPACES SERVING A PARTICULAR BUILDING 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).
- 3. IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING, ACCESSIBLE PARKING SHALL BE LOCATED ON THE SHORTEST ROUTE OF TRAVEL TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY. SECTION 1129B.1
- 4. IN BUILDINGS WITH MULTIPLE ACCESSIBLE ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES SHALL BE DISPERSED AND LOCATED CLOSEST TO THE ACCESSIBLE ENTRANCES. SECTION 1129B.1
- 5. WHERE SINGLE ACCESSIBLE PARKING SPACES ARE PROVIDED, THEY SHALL BE 14 FEET WIDE AND LINED TO PROVIDE A 9-FOOT PARKING AREA AND A 5-FOOT LOADING AND UNLOADING ACCESS AISLE ON THE PASSENGER SIDE OF THE VEHICLE. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH 5-FOOT LOADING AND UNLOADING ACCESS AISLE. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NOT LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEC. 1129B.3.1
- 6. WHEN MORE THAN ONE ACCESSIBLE PARKING SPACE IS PROVIDED IN LIEU OF PROVIDING A 14-FOOT WIDE SPACE FOR EACH PARKING SPACE, TWO SPACES CAN BE PROVIDED WITHIN A 23-FOOT WIDE AREA LINED TO PROVIDE A 9-FOOT PARKING AREA ON EACH SIDE OF A 5-FOOT LOADING AND UNLOADING ACCESS AISLE IN THE CENTER. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH 5-FOOT LOADING AND UNLOADING ACCESS AISLE. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NOE LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEC. 1129B.3.1
- 7. ONE IN EVERY EIGHT ACCESSIBLE SPACES, 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. SECTION 1129B.3.2.
- THE MINIMUM LENGTH OF AN ACCESSIBLE PARKING SPACE SHALL BE 18 FEET.
 ACCESSIBLE PARKING SPACES SHALL BE LOCATED SO PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKING SPACES OTHER THAN THEIR OWN ACCESSIBLE PARKING SPACE. SECTION 1129B.3.3.
- IO. RAMPS SHALL NOT ENCROACH INTO ANY ACCESSIBLE PARKING SPACE OR THE ADJACENT ACCESS AISLE.
- II. SURFACE SLOPES OF ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED ONE UNIT VERTICAL IN 50 UNITS HORIZONTAL (2 PERCENT SLOPE) IN ANY DIRECTION. SECTION II29B.3.4.
- 12. IN EACH PARKING AREA, A BUMPER OR CURB SHALL BE PROVIDED IF REQUIRED TO PREVENT ENCROACHMENT OF CARS OVER THE REQUIRED WIDTH OF WALKWAYS.
- PEDESTRIAN WAYS WHICH ARE ACCESSIBLE TO PEOPLE WITH DISABILITIES SHALL BE PROVIDED FROM EACH SUCH PARKING SPACE TO RELATED FACILITIES, INCLUDING CURB CUTS OR RAMPS AS NEEDED.
- 14. PROVIDE 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.
- 15. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE, CONSISTING OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN TO INCHES SQUARE IN AREA AND WHEN IN A PATH OF TRAVEL SHALL BE POSTED AT A MINIMUM HEIGHT OF 80 INCHES FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SIGNS TO IDENTIFY ACCESSIBLE PARKING SPACES MAY BE CENTERED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE.
- 16. AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE BELOW THE SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FINE \$250".
- 17. VAN ACCESSIBLE PARKING SPACES SHALL HAVE AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE STATING "VAN ACCESSIBLE" BELOW THE SYMBOL OF ACCESSIBILITY.
- 18. AN ADDITIONAL SIGN SHALL ALSO BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH ACCESSIBLE STALL OR SPACE. THE SIGN SHALL BE NOT LESS THAN 17 INCHES BY 22 INCHES IN SIZE WITH I INCH HIGH MINIMUM LETTERING, WHICH CLEARLY AND CONSPICUOUSLY STATES THE FOLLOWING:

 "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACECARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNERS EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT _______ OR BY TELEPHONING ______ "

 (BLANK SPACES ARE TO FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN).
- 19. THE SURFACE OF EACH ACCESSIBLE PARKING SPACE OR STALL SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES:
- a) BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT; OR
- b) BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON BLUE BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE AND STALL BE 36 INCHES HIGH BY 30 INCHES WIDE.
- 20. ALL ENTRANCES TO AND VERTICAL CLEARANCES WITHIN PARKING STRUCTURES SHALL COMPLY WITH SECTION 1129B.3, ITEM 5 WHERE REQUIRED FOR ACCESSIBILITY TO ACCESSIBLE PARKING SPACES.
- 21. WHEN DIRECT ACCESS IS PROVIDED FOR PEDESTRIANS FROM A PARKING GARAGE TO A BUILDING, EACH DIRECT ENTRANCE FROM THE GARAGE TO THE BUILDING MUST BE ACCESSIBLE.

15. PASSENGER DROP OFF & LOADING ZONES

WHEN PROVIDED, PASSENGER DROP OFF AND LOADING ZONES SHALL BE LOCATED ON AN ACCESSIBLE ROUTE OF TRAVEL.

16. ELECTRICAL

THE HIGHEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION MEETING THE CLEARANCES AND REACH RANGE REQUIREMENTS OF SECTIONS III8B.5 AND III8B.6 (III7B.6.3)

- 2. CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM. (1117B.6.5.1)
- 3. ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLE SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM. (11178.6.5.2)

17. NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED

NOTE: IF EMERGENCY WARNING SYSTEMS ARE PROVIDED AND REQUIRED WITHIN THE TENANT SPACES, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS COMPLYING WITH NFPA 72 AND CHAPTER 9 SECTIONS 907.5.2.1 AND 907.5.2.3 (1114B.2.2)

APPROVED NOTIFICATION APPLIANCES FOR THE HEARING AND VISUALLY IMPAIRED SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF NFPA 72 IN THE FOLLOWING AREAS:

a.) LOBBIESb.) MEETING ROOMSc.) ANY OTHER AREA FOR COMMON USE

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

8. HAZARDS AND PROTRUDING OBJECTS

- I. IF A WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS, THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36 INCHES (914 MM) WIDE, COMPLYING WITH SECTION 1121B.3.1, ITEM 8(A).
 - ONLY APPROVED DSA-AC DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE INSTALLED AS PROVIDED IN THE CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART I, ARTICLES 2, 3 AND 4.1133B.6.2 (1133B.8.5)

 9. CONTROLS AND OPERATING MECHANISMS
- I. CONTROLS AND OPERATING MECHANISM IN ACCESSIBLE SPACES, ALONG ACCESSIBLE ROUTES OR AS PART OF ACCESSIBLE ELEMENTS AND THOSE IN SECTION I.9.1 ARE REQUIRED TO BE ACCESSIBLE. (III7B.6.1)
- 2. CLEAR FLOOR SPACE COMPLYING WITH SECTION III8B.4 THAT ALLOWS A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT. (III7B.6.2)
- 3. THE HIGHEST AND LOWEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN ONE OF THE REACH RANGES SPECIFIED IN SECTIONS 1118B.5 AND 1118B.6.3. (1117B.6.3)
- 4. CONTROLS AND OPERATING MECHANISM SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PUNCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. (III7B.6.4)
- 5. FOR ACCESSIBLE LAVATORIES, FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE FAUCET CONTROLS AND OPERATING MECHANISMS FOR KITCHEN SINKS SHALL BE NO GREATER THAN 5 POUNDS PER FOOT LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. (IUSB 4.3)

IO. SPACE ALLOWANCE AND REACH RANGES

- I. THE MINIMUM CLEAR FLOOR OR GROUND SPACE REQUIRED TO ACCOMMODATE A SINGLE, STATIONARY WHEELCHAIR AND OCCUPANT IS 30 INCHES BY 48 INCHES. THE MINIMUM CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE POSITIONED FOR FORWARD OR PARALLEL APPROACH TO AN OBJECT. CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE A PART OF THE KNEE SPACE REQUIRED UNDER SOME OBJECTS. (1117B.2.3, 1118B.4.1, FIG. 11-B-5A)
- 2. ONE FULL-UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE FOR A WHEELCHAIR SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER WHEELCHAIR CLEAR FLOOR SPACE. IF A CLEAR FLOOR OR GROUND SPACE IS LOCATED IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCES SHALL BE PROVIDED. (1117B.2.4, 1118B.4.2, FIG. 11-B-5A)
- 3. THE SPACE REQUIRED FOR A WHEELCHAIR TO MAKE A 180-DEGREE TURN IS A CLEAR SPACE OF 60 INCHES DIAMETER OR A T-SHAPED SPACE. (III8B.3, FIG. IIB-12(a) & (b))
- 4. THE MINIMUM CLEAR WIDTH REQUIRED FOR A WHEELCHAIR TO TURN AROUND AN OBSTRUCTION SHALL BE 36 INCHES MINIMUM WHERE THE OBSTRUCTION IS 48 INCHES OR MORE IN LENGTH; 42 INCHES MINIMUM WHERE THE OBSTRUCTION IS LESS THAN 48 INCHES IN LENGTH. (FIG. 11B-5E)
- 5. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32 INCHES AT A POINT AND 36 INCHES CONTINUOUSLY. (1118B.I, FIG. 11B-11)
- 6. THE MINIMUM WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60 INCHES. (1118B.2, FIG. 11B-11)
- 7. IF THE CLEAR FLOOR SPACE ALLOWS FORWARD APPROACH TO AN OBJECT, THE MAXIMUM HIGH FORWARD REACH ALLOWED SHALL BE 48". SEE FIGURE IIB-5C(A). THE MINIMUM LOW FORWARD REACH IS 15". IF THE HIGH FORWARD REACH IS OVER AN OBSTRUCTION, REACH AND CLEARANCES SHALL BE AS SHOWN IN FIGURE IIB-5C(B). SEE DET. U/-
- 8. IF THE CLEAR FLOOR SPACE ALLOWS PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HIGH SIDE REACH ALLOWED SHALL BE 54" AND THE LOW SIDE REACH SHALL BE NO LESS THAN 9" ABOVE THE FLOOR AS SHOWN IN FIGURES IIB-5D(A) & (B). IF THE SIDE REACH IS OVER AND OBSTRUCTION, THE REACH AND CLEARANCES SHALL BE AS SHOWN IN FIGURE IIB-5D(C). SEE DET. V/-

II. EMPLOYEE WORK AREA & WORK STATIONS

- WORK STATION IS DEFINED AS "AN AREA DEFINED BY EQUIPMENT AND/OR WORK SURFACES INTENDED FOR USE BY EMPLOYEES ONLY, GENRALLY FOR ONE OR A SMALL NUMBER OF EMPLOYEES AT A TIME..." (1102B)
- I. EMPLOYEE AREAS SHALL COMPLY WITH THE ACCESSIBILTY REQUIREMENTS OF CHAPTER IIB. (1123B.I)
- 2. SPECIFIC WORKSTATIONS NEED ONLY COMPLY WITH AISLE WIDTH AND FLOOR LEVELS AND ENTRYWAYS SHALL BE 32 INCHES IN CLEAR WIDTH. AISLE SHALL NOT BE LESS THAN 36 INCHES IF SERVING ONLY ONE SIDE AND NOT LESS THAN 44 INCHES WIDE IF SERVING BOTH SIDES. 1123B.2, 1133B.6.2)
- 3. EMPLOYEE WORK AREAS SHALL HAVE A MINIMUM OF 36 INCHES CLEAR WIDTH ACCESS. (1105B.3.2.3, 1105B.3.3.2)
- 12. FIXED OR BUILT-IN SEATING, TABLES AND COUNTERS
- WHERE FIXED OR BUILT-IN SEATING, TABLES OR COUNTERS ARE PROVIDED IN ACCESSIBLE PUBLIC USE OR COMMON USE AREA, FIVE PERCENT BUT NEVER LESS THAN ONE MUST BE ACCESSIBLE, AS REQUIRED IN SECTION 1122B. (1122B.1)
- IF SEATING SPACES FOR PERSONS IN WHEELCHAIRS ARE PROVIDED AT FIXED TABLES OR COUNTERS, CLEAR FLOOR SPACE COMPLYING WITH SECTION III8B.4 SHALL BE PROVIDED. SUCH CLEAR FLOOR SPACE SHALL NOT OVERLAP KNEE SPACE BY MORE THAN 19 INCHES. (1122B.2, FIG. 11B-13)
- IF SEATING FOR PERSONS IN WHEELCHAIRS IS PROVIDED AT FIXED TABLES OR COUNTERS, KNEE SPACE

 3. AT LEAST 27 INCHES HIGH, 30 INCHES WIDE AND 19 INCHES DEEP SHALL BE PROVIDED. (1122B.3, FIG. 11B-13)
- 4. THE TOPS OF TABLES AND COUNTERS SHALL BE 28 INCHES TO 34 INCHES FROM THE FLOOR OR GROUND. (1122B.4)
- 5. WHERE A SINGLE COUNTER CONTAINS MORE THAN ONE TRANSACTION STATION, SUCH AS A BANK COUNTER WITH MULTIPLE TELLER WINDOWS OR A RETAIL SALES COUNTER WITH MULTIPLE CASH REGISTER STATIONS, AT LEAST 5 PERCENT, BUT NEVER LESS THAN ONE OF EACH TYPE OF STATION SHALL BE LOCATED AT A SECTION OF COUNTER THAT IS AT LEAST 36 INCHES LONG AND NO MORE THAN 28 TO 34 INCHES HIGH. (II22B.4)

13. SIGNS & IDENTIFICATION

- CALIFORNIA'S STANDARDS FOR SIGNAGE ARE MORE STRINGENT THAN SECTION 4.30 OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN. SEC 1117B.5
- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN TITLE 24 AND AS SPECIFICALLY REQUIRED IN THIS SECTION. SEC 1117B.5.8, FIG 11B-6
- . THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. SEC 1117B5.8.1.1
- 2. ALL BUILDING FACILITY ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS TO BE VISIBLE TO PERSONS ALONG APPROACHING CIRCULATION PATHS, SEC 1117B.5.8.1.2, 112B.3
- 3. WHERE PERMANENT IDENTIFICATION SIGNS ARE PROVIDED FOR ROOMS AND SPACES OF A BUILDING OR SITE, RAISED CHARACTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION IIITB.5.2 THROUGH IIITB.5.7. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60 INCHES ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3 INCHES OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
 SEC III7B.5.1, III7B.5.7
- 4. WHEN SIGNS DIRECT TO OR GIVE INFORMATION ABOUT PERMANENT ROOMS AND FUNCTIONAL SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH SECTIONS III7B.5.2, III7B.5.3 AND III7B.5.4. FOR OTHER MEANS OF EGRESS SIGNS AND IDENTIFICATION SEE CHAPTER 10, SECTIONS 1011.3, 1022.8, 1008.1.9.7, 1007.9, 1007.10, 1007.11 AND 1007.4. (III7B.5.1.2)
- 5. WHEN RAISED CHARACTERS OR WHEN PICTOGRAM SYSMBOLS ARE USED, THEY SHALL CONFORM TO THE FOLLOWING:
- a.) CHARACTERS ON SIGNS SHALL BE RAISED 1/32-INCH MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED (GRADE 2) BRAILLE COMPLYING WITH SECTION 1117B.5.6. (1117B.5.5.1)
- b.) RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8 INCH HIGH AND A MAXIMUM OF 2 INCHES HIGH. (III7B.5.5.2)
- c.) PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6 INCHES IN HEIGHT. (1117B.5.5.3)
- d.) CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHOULD BE PLACED A MINIMUM OF 3/8-INCH AND A MAXIMUM OF I/2-INCH DIRECTLY BELOW THE TACTILE CHARACTERS; FLUSH LEFT OR CENTERED. WHEN TACTILE SIGN IS MULTI-LINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT. (1117B.5.5.4)

- 3. RECESSED DOORMATS SHALL BE ADEQUATELY ANCHORED TO PREVENT INTERFERENCE WITH WHEELCHAIR TRAFFIC. (1133B.1.1.1.3)
- 4. ALL GATES, INCLUDING TICKET GATES, SHALL MEET ALL APPLICABLE ACCESSIBILITY SPECIFICATIONS OF DOORS. (1133B.2.2)
- 5. EVERY REQUIRED EXIT DOORWAY SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES, SHALL HAVE A MINIMUM CLEAR OPENING OF 32 INCHES AND SHALL BE A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND 6 FEET & INCHES IN HEIGHT.
- 6. THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENINGS IN A VESTIBULE, SERVING OTHER THAN A REQUIRED EXIT STAIRWAY, SHALL PROVIDE A MINIMUM OF 48 INCHES OF CLEAR SPACE FROM ANY DOOR OPENING INTO SUCH VESTIBULE WHEN THE DOOR IS POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS. (1133B.2.4.4)

DOORS

- MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS OR ANY OTHER TYPE OF DEVICE THAT MAY BE USED TO CLOSE OR RESTRAIN THE DOOR OTHER THAN BY OPERATION OF THE LOCKING DEVICE SHALL NOT BE USED. WHERE EXIT DOORS ARE USED IN PAIRS AND APPROVED AUTOMATIC FLUSH BOLTS ARE USED, THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOOR KNOB OR SURFACE-MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.
- 2. BARS, GRILLES, OR SIMILAR DEVICES PLACED OVER EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, OR ANY SPECIAL KNOWLEDGE OR EFFORT. SUCH BARS, GRILLES, GRATES, OR SIMILAR DEVICES SHALL BE EQUIPPED WITH AN APPROVED RELEASE DEVICE FOR USE BY THE FIRE DEPARTMENT ONLY ON THE EXTERIOR SIDE FOR THE PURPOSE OF FIRE DEPARTMENT EMERGENCY ACCESS, WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- 3. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. MANUALLY OPERATED BOLTS OR SURFACE BOLTS ARE NOT PERMITTED. THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION. (1008.1.9.1, 1008.1.9.4, 1008.1.9.5)
- 4. 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. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN THE EGRESS DIRECTION. (1133B.2.5.2)
- 5. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR. (1133B.2.5.2)
- 6. WHEN INSTALLED, DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32 INCHES WITH THE DOOR OPEN 90 DEGREES. (1133B.I.I.I.)

FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN

ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. (1133B.2.3)

8. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR,

DEGREES FROM ITS CLOSED POSITION. (1133B.2.3.1)

9. MINIMUM MANEUVERING CLEARANCES AT DOORS SHALL BE AS SHOWN IN FIGURE IIB-26A, IIB-26B \$ IIB-26C. THE FLOOR OR GROUND AREA WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR. (II33B.2.4.2)

UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WITH THE LEAF POSITIONED AT AN ANGLE OF 90

- 10. THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION. (1133B.2.4.2)
- II. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24 INCHES PAST THE STRIKE EDGE OF FOR EXTERIOR DOORS AND IS INCHES PAST THE STRIKE EDGE FOR INTERIOR DOORS. WHERE THE PLANE OF THE DOORWAY IS OFFSET OR LOCATED IN AN ALCOVE A DISTANCE MORE THAN S INCHES MEASURED FROM THE PLANE OF THE DOORWAY TO THE FACE OF THE WALL, THE DOORS SHALL BE PROVIDED WITH 60 INCHES MANEUVERING CLEARANCE FOR FRONT APPROACH. (1133B.2.4.5, 1133B.2.5.3)
- 12. PROVIDE CEAR SPACE OF 12 INCHES PAST STRIKE EDGE OF THE DOOR ON THE OPPOSITE SIDE TO WHICH THE DOOR SWINGS IF THE DOOR IS EQUIPPED WITH BOTH A LATCH AND A CLOSER.
- 13. THE FLOOR LANDING SHALL BE NOT MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN ONE UNIT VERTICAL IN 2 UNITS HORIZONTAL. (1133B.2.4.1)
- 14. THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10 INCH HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. (1133B.2.6)
- 15. THE MAXIMUM FORCE REQUIRED TO PUSH OR PULL OPEN A DOOR SHALL COMPLY WITH THE FOLLOWING. PUSH OR PULL FORCE FOR A HINGE DOOR SHALL BE MEASURED PERPENDICULAR TO THE DOOR FACE AT THE DOOR OPENING HARDWARE OR 30 INCHES FROM THE HINGE SIDE, WHICHEVER IS FARTHER FROMTHE HINGE. PUSH OR PULL FORCE FOR A SLIDING OR FOLDING DOOR SHALL BE MEASURED PARALLEL TO THE DOOR AT THE DOOR PULL OR LATCH. COMPENSATING DEVISES OR AUTOMATIC DOOR OPERATORS COMPLYING WITH SECTION 1133B.2.3.2 MAY BE USED TO MEET THE MAXIMUM FORCE LIMITS (1133B.2.5)
- a. REQUIRED FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE
 BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBF.
 b. OTHER THAN REQUIRED FIRE DOOR, INTERIOR DOORS SHALL HAVE A MAXIMUM OPENING
 FORCE OF 5 LBF.
 c. OTHER THAN REQUIRED FIRE DOORS, EXTERIOR DOORS SHALL HAVE A MAXIMUM OPENING
- FOR OF 5 LBF.

 6. WHEN THE DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF TO DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- 17. WHEN AN AUTOMATIC OR POWER ASSISTED DOOR OPERATOR IS UTILIZED TO OPERATE A PAIR OF DOORS, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AUTOMATIC DOORS SHALL COMPLY WITH BHMA A156.10 OR BHMA A156.19.
- FLOORS AND LEVELS
- NOTE: <u>LEVEL AREA</u> IS DEFINED AS "A SPECIFIED SURFACE THAT DOES NOT HAVE A SLOPE IN ANY DIRECTION EXCEEDING ONE UNIT VERTICAL IN 50 UNITS HORIZONTAL (2 PERCENT SLOPE)". SEC
- I. IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS, OR SPECIAL ACCESS LIFTS. SEC 1120B.1
- 2. GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES, INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS, SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. SEC 1120B.2 & 1124B.1

3. CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT. SEC 1124B.2, FIG.

- 4. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP NO STEEPER THAN I VERTICAL TO 2 HORIZONTAL (50 PERCENT SLOPE) SEC 1124B.2, FIG 11B-5(D).
- CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A CURB RAMP, RAMP OR ELEVATOR. SEC 1124B.2

 IF CARPET OR CARPET TILE IS USED ON A GROUND OR FLOOR SURFACE, IT SHALL BE SECURELY ATTACHED; HAVE A FIRM CUSHION, PAD OR BACKING OR NO CUSHION OR PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE

HEIGHT SHALL BE 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES

AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL

COMPLY WITH SECTION 1124B.2.

SEC 1124B.3, FIG 11B-7E

7. IF GRATINGS ARE LOCATED ON FLOORS, THEN THEY SHALL HAVE SPACES NO GREATER THAN 1/2 INCH WIDE IN ONE DIRECTION. IF GRATINGS HAVE ELONGATED OPENINGS, THEN THEY SHALL BE

TRAVEL. SEC 1124B.4, FIG 11B-7E CORRIDORS AND AISLES

1. EVERY CORRIDOR SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL NOT BE LESS THAN 44" IN WIDTH. SEC 1133B.3.1

WIDTH, THEN PASSING SPACES AT LEAST 60" BY 60" SHALL BE LOCATED AT REASONABLE

INTERVALS NOT TO EXCEED 200'. A T-INTERSECTION OF TWO CORRIDORS OR WALKS IS AN

PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF

- CORRIDORS SERVING AN OCCUPANT LOAD OF LESS THAN 10 SHALL NOT BE LESS THAN 36" IN WIDTH, SEC 1133B.3.I
 CORRIDORS WHICH ARE LOCATED ON AN ACCESSIBLE ROUTE AND EXCEED 200' IN LENGTH SHALL HAVE A MINIMUM CLEAR WIDTH OF 60". IF AN ACCESSIBLE ROUTE HAS LESS THAN 60" CLEAR
- ACCEPTABLE PASSING PLACE. SEC 1133B.3.2, FIG 11B-34

 4. CIRCULATION AISLES AND PEDESTRIAN WAYS SHALL BE SIZED ACCORDING TO FUNCTIONAL REQUIREMENTS AND IN NO CASE SHALL BE LESS THAN 36" IN CLEAR WIDTH. SEC 1105B.3.6

5. EVERY PORTION OF EVERY BUILDING IN WHICH ARE INSTALLED SEATS, TABLES, MERCHANDISE,

II33B.6.I

6. EVERY AISLE SHALL NOT BE LESS THAN 36" WIDE IF SERVING ONLY ONE SIDE AND NOT LESS THAN 44" WIDE IF SERVING BOTH SIDES. SEC II33B.6.2

EQUIPMENT OR SIMILAR MATERIALS SHALL BE PROVIDED WITH AISLES LEADING TO AN EXIT. SEC

AISLES SHALL COMPLY WITH FIGURE IIB-5E(A) AND (B) FOR CIRCULATION AROUND OBSTRUCTIONS. SEC 1133B.6.2

- I. SITE DEVELOPMENT & ACCESSIBLE ROUTE OF TRAVEL
- I. ACCESSIBLE ROUTE OF TRAVEL IS DEFINED AS "A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ALL ACCESSIBLE ELEMENTS AND SPACES IN AN ACCESSIBLE BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES AND THAT IS CONSISTENT WITH THE DEFINITION OF "PATH OF TRAVEL" (1102B)
- 2. SITE DEVELOPMENT AND GRADING SHALL BE DESIGNED TO PROVIDE ACCESS TO ALL ENTRANCES AND EXTERIOR GROUND FLOOR EXITS, AND ACCESS TO NORMAL PATHS OF TRAVEL, AND WHERE NECESSARY TO PROVIDE ACCESS, SHALL INCORPORATE PEDESTRIAN RAMPS, CURB RAMPS, ETC. (SEC 1127B.1)
- 3. AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE BOUNDARY OF THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS. ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS, TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. THE ACCESSIBLE ROUTE SHALL, TO THE MAXIMUM EXTENT FEASIBLE COINCIDE WITH THE ROUTE FOR THE GENERAL PUBLIC. (1114B.1.2)
- 4. THE ACCESSIBLE ROUTE OF TRAVEL SHALL BE THE MOST PRACTICAL DIRECT ROUTE BETWEEN ACCESSIBLE BUILDING ENTRANCES, ACCESSIBLE SITE FACILITIES, AND THE ACCESSIBLE ENTRANCE. TO THE SITE. IF ACCESS IS PROVIDED FOR PEDESTRIANS FROM A PEDESTRIAN TUNNEL OR ELEVATED WALKWAY, ENTRANCES TO THE BUILDING EACH TUNNEL OR WALKWAY MUST BE ACCESSIBLE. (1127B.1)
- 5. WHEN MORE THAN ONE BUILDING OR FACILITY IS LOCATED ON A SITE, ACCESSIBLE ROUTES OF TRAVEL COMPLYING WITH SECTION 1114B1.2 SHALL BE PROVIDED BETWEEN BUILDINGS AND ACCESSIBLE SITE FACILITIES, ACCESSIBLE ELEMENTS AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.
- 6. WHEN A BUILDING OR PORTION OF A BUILDING IS REQUIRED TO BE ACCESSIBLE OR ADAPTABLE, AN ACCESSIBLE ROUTE OF TRAVEL COMPLYING WITH SECTIONS 1102B, 1114B, 1124B, 1133B.3, 1133B.5, 1133B.7 AND 1133B.8.6 SHALL BE PROVIDED TO ALL PORTIONS OF THE BUILDING, TO ACCESSIBLE BUILDING ENTRANCES, AND BETWEEN THE BUILDING AND THE PUBLIC WAY. ALL WALKS, HALLS, CORRIDORS, AISLES, SKYWALKS, TUNNELS AND OTHER SPACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE CODE. SEC 1114B.1.2
- 7. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT THE FOLLOWING:

 a. ACCESSIBLE BUILDINGS, FACILITIES, ELEMENTS, AND SPACES THAT ARE ON THE SAME SITE.

 b. ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS

 AND WITH ALL ACCESSIBLE DWELLING UNITS WITHIN THE BUILDING OR FACILTY.

 c. THE ACCESSIBLE ROUTE SHALL, TO THE MAXIMUM EXTENT FEASIBLE COINCIDE WITH THE ROUTE

 FOR THE GENERAL PUBLIC.

 d. ACCESSIBLE ENTRANCE OF EACH ACCESSIBLE DWELLING UNIT WITH THOSE EXTERIOR AND
- 8. WHEN MORE THAN ONE ROUTE OF TRAVEL IS PROVIDED, ALL ROUTES SHALL BE ACCESSIBLE. UNLESS OTHERWISE INDICATED, THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL NOT BE LESS THAN 36 INCHES EXCEPT AT DOORS COMPLYING WITH SECTION 1133B.2 OR OBSTRUCTIONS COMPLYING WITH FIGURE IIB-IO. IF A PERSON IN A WHEELCHAIR MUST MAKE A TURN AROUND AN OBSTRUCTION THE MINIMUM CLEAR WIDTH OF THE ACCESSIBLE ROUTE SHALL BE SHOWN IN FIGURE IIB-5E(A) AND (B). SEC 1114B.1.2

INTERIOR SPACES AND FACILITIES THAT SERVE THE ACCESSIBLE DWELLING UNIT.

9. WHERE SINGLE ACCESSIBLE PARKING SPACES ARE PROVIDED, THEY SHALL BE 14 FEET WIDE AND LINED TO PROVIDE A 9-FOOT PARKING AREA AND A 5-FOOT LOADING AND UNLOADING ACCESS AISLE ON THE PASSENGER SIDE OF THE VEHICLE. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH 5-FOOT LOADING AND UNLOADING ACCESS AISLE. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NOT LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. (1129B.3.1)

10. WHEN MORE THAN ONE ACCESSIBLE PARKING SPACE IS PROVIDED IN LIEU OF PROVIDING A

14-FOOT WIDE SPACE FOR EACH PARKING SPACES, TWO SPACES CAN BE PROVIDED WITHIN A

23-FOOT WIDE AREA LINED TO PROVIDE A 9-FOOT PARKING AREA ON EACH SIDE OF A 5-FOOT

ON A DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN

FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SIGNS TO IDENTIFY

ACCESSIBLE PARKING SPACES MAY BE CENTERED ON A WALL AT THE INTERIOR END OF THE

AREA AND WHEN IN A PATH OF TRAVEL SHALL BE POSTED AT A MINIMUM HEIGHT OF 80 INCHES

- LOADING AND UNLOADING ACCESS AISLE IN THE CENTER. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH 5-FOOT LOADING AND UNLOADING ACCESS AISLE. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NOT LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. (1129B.3.1)

 II. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE, CONSISTING OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE
- PARKING SPACE. (1129B.4)

 12. AN ADDITIONAL SIGN OR ADDITIONAL LANUAGE BELOW THE SYMBOL OF ACCESSIBILITY SHALL
- STATE "MINIMUM FINE \$250."

 13. VAN ACCESSIBLE PARKING SPACES SHALL HAVE AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE
- 14. AN ADDITIONAL SIGN SHALL ALSO BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH ACCESSIBLE STALL OR SPACE. THE SIGN SHALL BE NOT LESS THAN 17 INCHES BY 22 INCHES IN SIZE WITH I INCH HIGH MINIMUM LETTERING WHICH CLEARLY AND CONSPICUOUSLY STATES THE

STATING "VAN ACCESIBLE" BELOW THE SYMBOL OF ACCESSIBILITY. (1129B.4)

- 15. THE SURFACEOF EACH ACCESSIBLE PARKING SPACE OR STALL SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES:

 a. BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN
- STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT; OR

 b. By Outlining a profile view of a wheelchair with occupant in white on blue background. The profile view shall be located so that it is visible to a traffic

ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE AND SHALL BE

36 INCHES HIGH BY 36 INCHES WIDE.

(12.7 MM) (SEE SECTION 1133B.7.4)

PERMANENT PART OF THE SIGN).

2. WALKS AND SIDEWALKS

I. WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH

2. WALKS AND SIDEWALKS SHALL BE A MINIMUM OF 48 INCHES (1219 MM) IN WIDTH. (1133B.7.1, FIG

5. CHANGES IN LEVEL GREATER THAN 1/2 INCH (12.7 MM) SHALL BE ACCOMPLISHED BY MEANS OF A

CURB RAMP, RAMP, ELEVATOR OR PLATFORM LIFT THAT COMPLIES WITH SECTION 1127B.5, 1133B.5,

- 3. CHANGES IN LEVEL UP TO 1/4" INCH MAY BE VERTICAL AND WITHOUT EDGE TREATMENT. (1124B.2)

 4. CHANGES IN LEVEL BETWEEN 1/4" INCH AND 1/2" INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN ONE UNIT VERTICAL IN 2 UNITS HORIZONTAL (50 PERCENT SLOPE) (1124B.2)
- III6B.I OR III6B.2, RESPECTIVELY. (II24B.2)

 6. WALKS AND SIDEWALK SURFACES SHALL BE SLIP RESISTANT AS FOLLOWS:
 A. SURFACES WITH A SLOPE OF LESS THAN 6-PERCENT SLOPE SHALL BE AT LEAST AS SLIP

RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH. (1133B.7.1.1)

IN LENGTH AT INTERVALS OF 400 FEET MAXIMUM. (1133B.7.1.5)

TO THE DOMINANT DIRECTION OF TRAVEL. (1133B.7.2, FIG 11B-7E(A))

- B. SURFACES WITH 6-PERCENT OR GREATER SLOPE SHALL BE SLIP-RESISTANT. (1133B.7.1.2)

 7. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5-PERCENT GRADIENT), IT SHALL COMPLY WITH THE PROVISIONS OF SECTION 1133B.5. (1133B.7.1.3)
- 8. WALKS AND SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED ONE UNIT VERTICAL IN 50 UNITS HORIZONTAL (2-PERCENT SLOPE). (1133B.7.1.3)
- IO. WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE.
 FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS
 SHALL BE LIMITED TO I/2 INCH (12.7 MM) IN THE DIRECTION OF TRAFFIC FLOW. IF GRATINGS HAVE
 ELONGATED OPENINGS, THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR

9. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5 FEET (1524 MM)

3. CURB RAMPS

 THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL COMPLY WITH SECTION 1124B, GROUND AND FLOOR SURFACES, AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK. (1127B.5.5)

2. ALL CURB RAMPS SHALL HAVE A GROOVED BORDER 12 INCHES (305 MM) WIDE AT THE LEVEL SURFACE OF THE SIDEWALK ALONG THE TOP AND EACH SIDE APPROXIMATELY 3/4 INCH (19 MM) ON CENTER. ALL CURB RAMPS CONSTRUCTED BETWEEN THE FACE OF THE CURB AND THE STREET SHALL HAVE A GROOVED BORDER AT THE LEVEL SURFACE OF THE SIDEWALK. SEE FIGURES IIB-19A AND IIB-19B. (1127B.5.6)

4. ENTRANCES AND EXITS

- ALL ENTRANCES AND ALL EXTERIOR GROUND FLOOR EXIT DOORS TO BUILDINGS SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. (1133B.1.1.1.1)
- DURING PERIODS OF PARTIAL OR RESTRICTED USE OF A BUILDING OR FACILITY, THE ENTRANCES
 USED FOR PRIMARY ACCESS SHALL BE ACCESSIBLE TO AND USEABLE BY PERSONS WITH
 DISABILITIES. (1133B.1.1.1.2)



SCHOOL DISTRICT

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IIB-404.2.3 CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (813 MM) 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 (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (914 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (864 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (864 MM) AND 80 INCHES (2032 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (102 MM). EXCEPTIONS: I. IN ALTERATIONS, A PROJECTION OF 5/8 INCH (16 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1981 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

front approach, push side

hinge approach, pull side

FIGURE IIB-404.2.4.I

TABLE IIB-404.2.4.I MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

GATES SHALL COMPLY WITH 11B-404.2.4. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF

EXCEPTION: ENTRY DOORS TO HOSPITAL PATIENT ROOMS SHALL NOT BE REQUIRED TO PROVIDE THE

IIB-404.2.4 MANEUVERING CLEARANCES. MINIMUM MANEUVERING CLEARANCES AT DOORS AND

IIB-404.2.4.I SMINGING DOORS AND GATES. SMINGING DOORS AND GATES SHALL HAVE

TABLE IIB-404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

CLEARANCES @ SWINGING DOORS & GATES

latch approach, pull side

front approach, pull side

hinge approach, pull side

hinge approach, push side, door

latch approach, pull side

door provided with closes

APPROACH DIRECTION

FROM FRONT

FROM FRONT

FROM HINGE SIDE

FROM HINGE SIDE

FROM HINGE SIDE

FROM LATCH SIDE

FROM LATCH SIDE

3. BEYOND HINGE SIDE.

provided with both closer and latch

TYPE OF USE MINIMUM

DOOR OR GATE SIDE

PULL

PUSH

ADD 12 INCHES (305 MM) IF CLOSER AND LATCH ARE PROVIDED ADD 4 INCHES (102 MM) IF CLOSER AND LATCH ARE PROVIDED.

THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.

4. ADD 6 INCHES (152 MM) IF CLOSER IS PROVIDED.

CLEARANCE BEYOND THE LATCH SIDE OF THE DOOR.

ADD 6 INCHES (152 MM) AT EXTERIOR CONDITIONS.

MANEUVERING CLEARANCES COMPLYING WITH TABLE IIB-404.2.4.I.

UNOBSTRUCTED SIDE REACH **CLEAR WIDTH OF DOORWAYS** S C A L E : 3/8"=1'-0"S C A L E : 1/2"=1'-0"

front approach, push side, door

hinge approach, push side

latch approach, push side

door provided with closes

PARALLEL TO DOORWAY

(BEYOND LATCH SIDE

UNLESS NOTED)

O INCHES (O MM) *I

36 INCHES (914 MM)

44 INCHES (III8 MM)

(W)

MINIMUM MANEUVERING CLEARANCE

60 INCHES (1524 MM) | 18 INCHES (457 MM) *5

44 INCHES (III8 MM) *2 | 22 INCHES (559 MM) *3

60 INCHES (1524 MM) *4 | 24 INCHES (610 MM)

44 INCHES (III8 MM) *4 | 24 INCHES (610 MM)

PERPENDICULAR TO

48 INCHES (1219 MM)

60 INCHES (1524 MM)

60 INCHES (1524 MM)

FIGURE IIB-308.3.1 IIB-308.2.I UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES (1219 MM) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES

BOTTOM EDGES ARE LESS THAN 80 INCHES (2032 MM) ABOVE THE FLOOR OR GROUND SURFACE. THE EDGES OF SUCH SIGNS AND OBJECTS SHALL BE ROUNDED OR EASED AND THE CORNERS SHALL HAVE A MINIMUM RADIUS OF 16 INCH (3.2 MM).

IIB-307.3 POST-MOUNTED OBJECTS. FREE-STANDING OBJECTS

LOCATED 27 INCHES (686 MM) MINIMUM AND 80 INCHES (2032

MOUNTED ON POSTS OR PYLONS SHALL OVERHANG

CIRCULATION PATHS 12 INCHES (305 MM) MAXIMUM WHEN

OR PYLONS IS GREATER THAN 12 INCHES (305 MM), THE

EXCEPTION: I. THE SLOPING PORTIONS OF HANDRAILS

ABOVE THE FINISH FLOOR OR GROUND.

COMPLY WITH IIB-307.3.

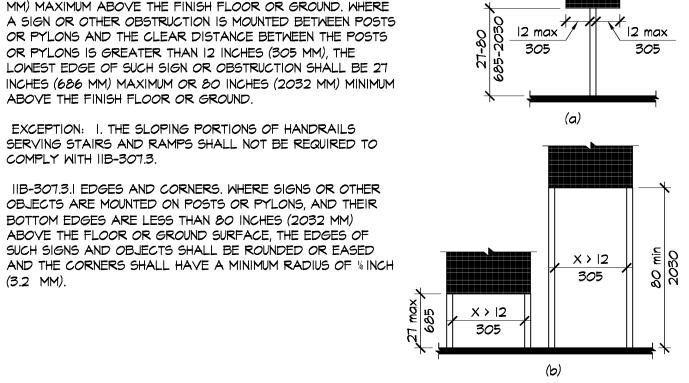
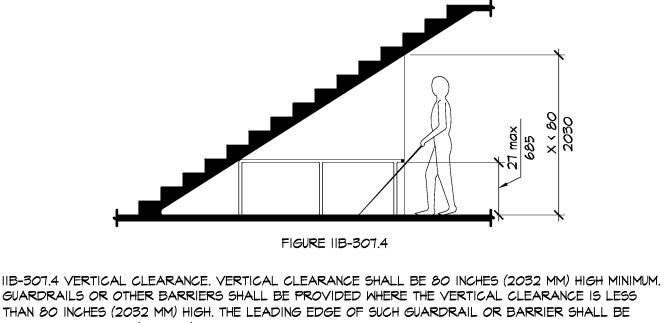


FIGURE IIB-307.3

IIB-305.7 MANEUVERING CLEARANCE. WHERE A CLEAR FLOOR OR GROUND SPACE IS LOCATED IN AN POST-MOUNTED PROTRUDING OBJECTS ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCE SHALL BE PROVIDED IN ACCORDANCE WITH IIB-305.7.1 AND IIB-305.7.2. S C A L E : 3/4"=1'-0"



GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80 INCHES (2032 MM) HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27 INCHES (686 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

FIGURE 11B-308.2.1

REACH SHALL BE 48 INCHES (1219 MM) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES

IIB-308.2.I UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD

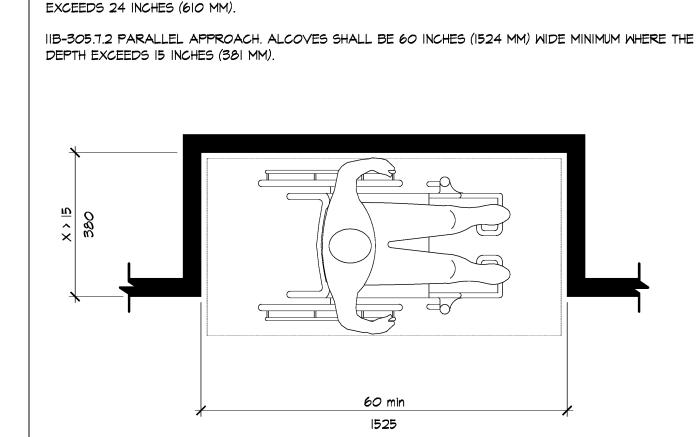
(381 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

UNOBSTRUCTED FORWARD REACH

EXCEPTION: DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1981 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

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.





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FIGURE 11B-305.7.1 FORWARD APPROACH

IIB-305.7.1 FORWARD APPROACH. ALCOVES SHALL BE 36 INCHES (914 MM) WIDE MINIMUM WHERE THE DEPTH



IIB-306.2. GENERAL. SPACE UNDER AN ELEMENT BETWEEN

THE FINISH FLOOR OR GROUND AND 9 INCHES (229 MM)

CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH

IIB-306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL

IIB-306.2.3 MINIMUM REQUIRED DEPTH. WHERE TOE

17 INCHES (432 MM) MINIMUM UNDER THE ELEMENT.

EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT.

CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A

CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND

ABOVE THE FINISH FLOOR OR GROUND SHALL BE

IIB-306.2.

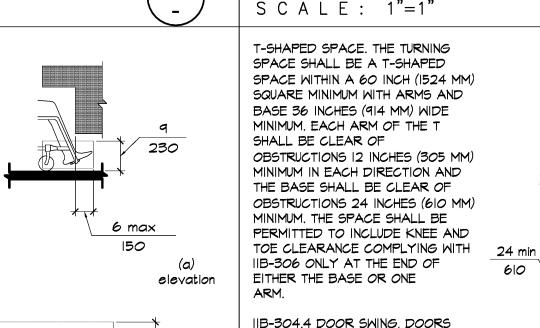
CLEARANCE.

(762 MM) WIDE MINIMUM.

TOE CLEARANCE

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

FIGURE 11B-305.7.2



plan

EXCEPTION: THE TOE CLEARANCE SHALL EXTEND 19 INCHES (483 MM) MINIMUM UNDER ACCESSIBLE SINKS. IIB-306.2.4 ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 6 INCHES (152 MM) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES (229 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE

IIB-306.2.5 WIDTH. TOE CLEARANCE SHALL BE 30 INCHES

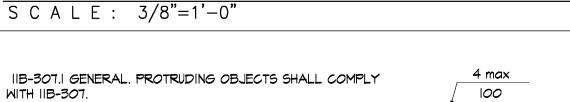
430-635 FIGURE IIB-306.2

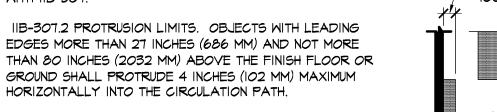
9 INCHES (229 MM) AND 27 INCHES (686 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 11B-306.3. IIB- 306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT AT 9 INCHES (229 MM) ABOVE THE FINISH FLOOR OR IIB-306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF

II INCHES (279 MM) DEEP MINIMUM AT 9 INCHES (229 MM) ABOVE THE FINISH FLOOR OR GROUND, AND & INCHES (203 MM) DEEP MINIMUM AT 27 INCHES (686 MM) ABOVE THE FINISH FLOOR OR GROUND. IIB-306.3.4 CLEARANCE REDUCTION. BETWEEN 9 INCHES (229 MM) AND 27 INCHES (686 MM) ABOVE THE FINISH

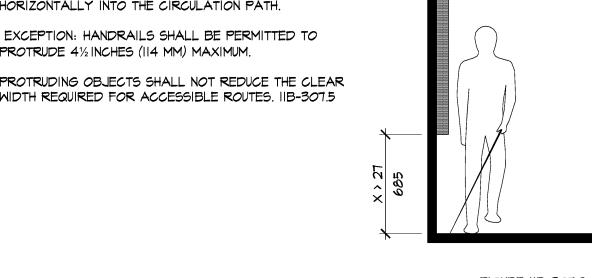
FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF I INCH (25 MM) IN DEPTH FOR EACH 6 INCHES (152 MM) IN HEIGHT. IIB-306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30 INCHES (762 MM) WIDE MINIMUM.

KNEE CLEARANCE





PROTRUDE 41/2 INCHES (114 MM) MAXIMUM. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES. IIB-307.5

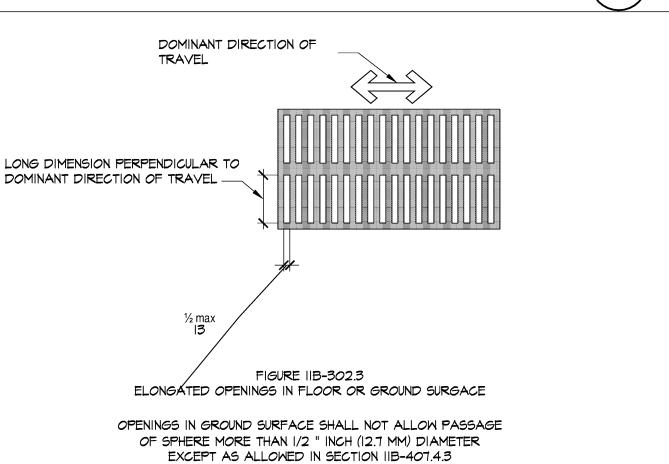


CLEAR FLOOR OR GROUND SPACE POSITION

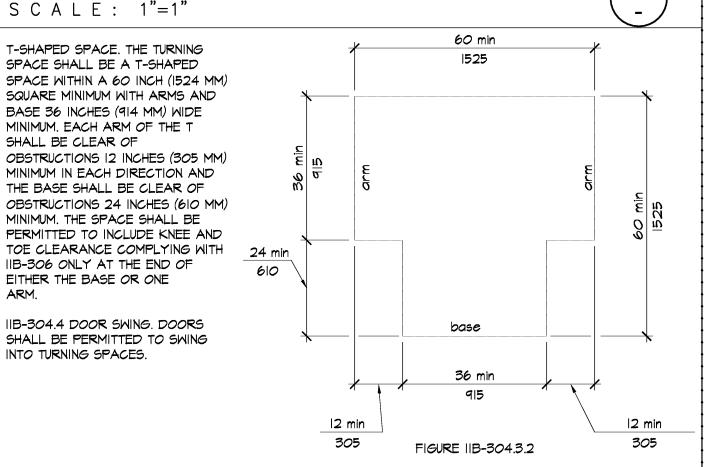
CARPET OR CARPET TILE SHALL BE BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TIE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE FASTENED TO FLOOR SURFACE AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTION IIB-303. 1/4" max

FIGURE IIB-302.2 CARPET PILE HEIGHT VERTICAL CHANGES IN LEVEL FLOOR OR GROUND SURFACE OF 1/4" INCH (6.4 MM) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE FIGURE IIB-303.2 VERTICAL CHANGE IN LEVEL

CHANGES IN LEVEL BETWEEN 1/4" HIGH MIN. AND 1/2" HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. NOTE: FLOOR AND GROUND SURFACES SHALL BE FIGURE 11B-303.3 STABLE, FIRM , AND SLIP 6.4 BEVELED CHANGE IN LEVEL RESISTANT. IIB-302.I CHANGES IN LEVEL DETAIL $SCALE: 1\overline{"=1"}$



ELONGATED OPENING IN FLOOR DETAIL



MINIMUM "T" SHAPED TURNING SPACE DETAIL

IIB-305.1 GENERAL. CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 11B-305.

INTO TURNING SPACES.

IIB-305.2 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES OF A CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH IIB-302. CHANGES IN LEVEL ARE NOT

EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED. IIB-305.3 SIZE. THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30 INCHES (762 MM) MINIMUM

BY 48 INCHES (1219 MM) MINIMUM. IIB-305.4 KNEE AND TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 11B-306.

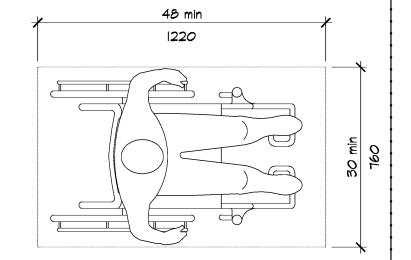
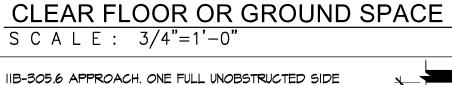
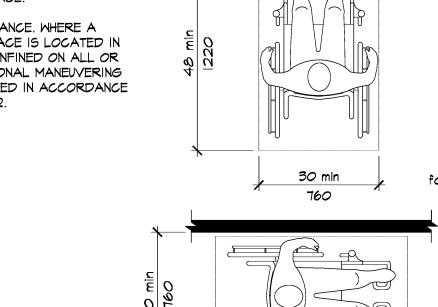


FIGURE IIB-305.3







1220 FIGURE IIB-305.5

parallel

(381 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES (864 MM) MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES (610 MM) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1219 MM) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (254 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES (254 MM), THE HIGH SIDE REACH SHALL BE 46 INCHES (1168 MM) MAXIMUM FOR A REACH DEPTH OF 24 INCHES (610 MM) MAXIMUM. EXCEPTIONS: I. THE TOP OF WASHING MACHINES AND CLOTHES DRYERS SHALL BE PERMITTED TO BE

36 INCHES (914 MM) MAXIMUM ABOVE THE FINISH FLOOR. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 INCHES (1372 MM) MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS.

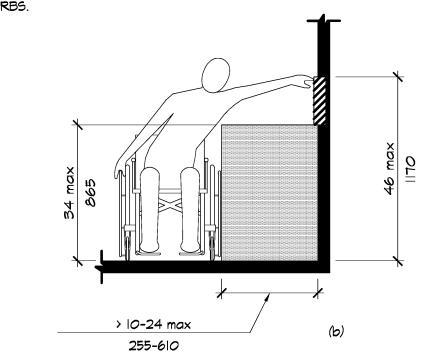
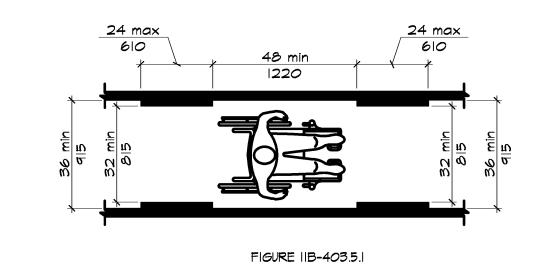


FIGURE 11B-308.3.2

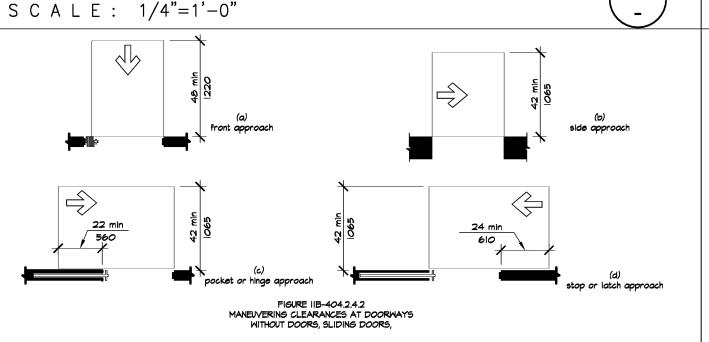
OBSTRUCTED HIGH SIDE REACH S C A L E : 1/2"=1'-0"



IIB-403.5.I CLEAR WIDTH. EXCEPT AS PROVIDED IN IIB-403.5.2 AND IIB-403.5.3, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES (914 MM) MINIMUM. EXCEPTION EXCEPTIONS:

THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 INCHES (813 MM) MINIMUM FOR A LENGTH OF 24 INCHES (610 MM) MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES (1219 MM) LONG MINIMUM AND 36 INCHES (914 MM) WIDE MINIMUM. 2. CORRIDORS AND HALLWAYS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL NOT BE LESS THAN 44 INCHES (III8 MM) IN WIDTH.

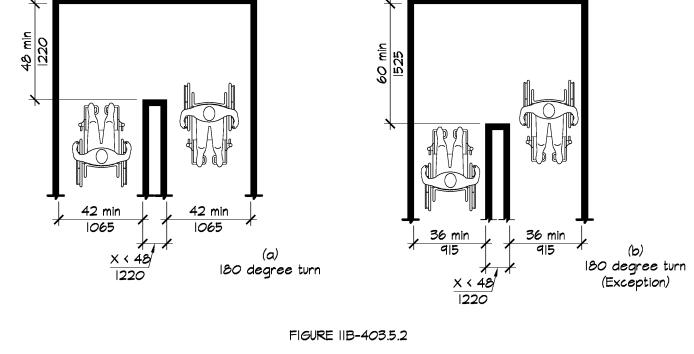
CLEAR WIDTH OF AN ACCESSIBLE ROUTE S C A L E : 1/2"=1'-0"



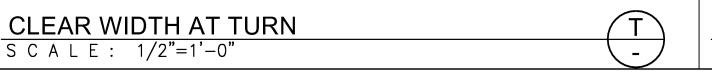
IIB-404.2.4.2 DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS. DOORWAYS LESS THAN 36 INCHES (914 MM) WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE IIB-404.2.4.2

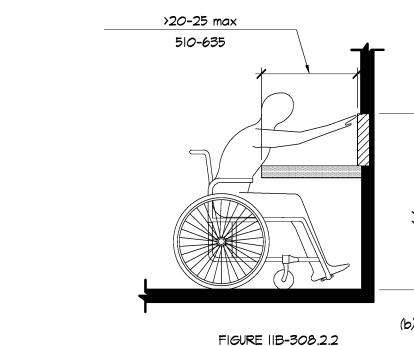
NOTE: REFER TO TABLE TABLE IIB-404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES, MANUAL SLIDING DOORS, AND MANUAL FOLDING DOORS

CLEARANCES @ DOORWAYS W/O DOORS S C A L E : 1/4"=1'-0"

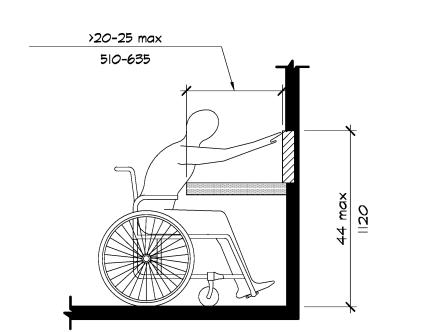


IIB-403.5.2 CLEAR MIDTH AT TURN. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48 INCHES (1219 MM) WIDE, CLEAR WIDTH SHALL BE 42 INCHES (1067 MM) MINIMUM APPROACHING THE TURN, 48 INCHES (1219 MM) MINIMUM AT THE TURN AND 42 INCHES (1067 MM) MINIMUM LEAVING THE TURN. EXCEPTION: WHERE THE CLEAR WIDTH AT THE TURN IS 60 INCHES (1524 MM) MINIMUM COMPLIANCE WITH IIB-403.5.2 SHALL NOT BE REQUIRED.



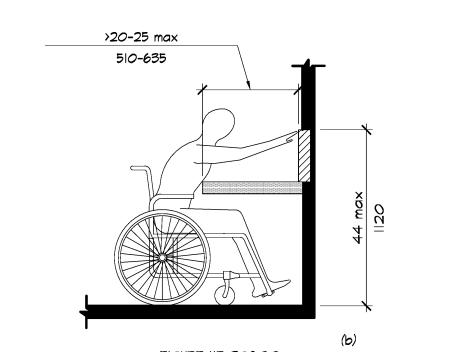


OBSTRUCTED HIGH FORWARD REACH



S C A L E : 1/2"=1'-0"

IB-308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES (1219 MM) MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES (508 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES (508 MM), THE HIGH FORWARD REACH SHALL BE 44 INCHES (III8 MM) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES (635 MM) MAXIMUM.



LIMITS OF PROTRUDING OBJECTS S C A L E : 3/8"=1'-0"

IIB-306.3.I GENERAL. SPACE UNDER AN ELEMENT BETWEEN ll min elevation A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE

25 max

635 FIGURE IIB-306.3

plan

FIGURE 11B-307.2

WITH IIB-305.7.1 AND IIB-305.7.2.

OF THE CLEAR FLOOR OR GROUND SPACE SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER

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ACCESSIBILTY

(For Reference Only) 18-87.60

INSPECTOR

SIGNOFF

REFERENCE

SHEET (SHEET ;

N/A

N/A

N/A

IDS CODE (NOTE: CONTRACTOR TO REVIEW ALL NOTES PRIOR TO PROCEEDING. IN PARTICULAR BUILDING DEPARTMENT/GREEN BUILDING NOTES FOR CODE REQUIREMENTS AND MA AND MAKE ALL SUBS. AND SUPPLIERS AWARE OF THE SPECIAL REQUIREMENTS.		
		INSPECTOR SIGNOFF	

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

1. The California Department of Transportation adopts and publishes the California Manual on Uniform Traffic Control Devices (California MUTCD) to provide uniform standards and specifications for all official traffic control devices in California. Zero Emission Vehicle Signs and Pavement Markings can be found in the New Policies & Directives number 13-01. www.dot.ca.gov/hq/traffops/policy/13-01.pdf.

2. See Vehicle Code Section 22511 for EV charging spaces signage in off-street parking facilities and for use of EV charging spaces. 3. The Governor's Office of Planning and Research published a Zero-Emission Vehicle

Community Readiness Guidebook which provides helpful information for local governments, residents and businesses. www.opr.ca.gov/docs/ZEV Guidebook.pdf.

5.106.8 LIGHT POLLUTION REDUCTION. [N] 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 1-4 as defined in Chapter 10 of the California Administrative Code; and
- 2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and 3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

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

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

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

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

Exception: Additions and alterations not altering the drainage path.

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

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

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

3. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the

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.

DIVISION 5.2 ENERGY EFFICIENCY

the amount of water that needs to be applied to the landscape.

SECTION 5.302 DEFINITIONS

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.

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 are two major influences on

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 purposes, 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

SECTION 5.303 INDOOR WATER USE 5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections

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. **5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

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

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

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

5.303.3.3 Showerheads.

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

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

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

5.303.3.4 Faucets and fountains.

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

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

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

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

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve

5.303.4 COMMERCIAL KITCHEN EQUIPMENT.

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

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

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply

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.

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BUILDING STANDARDS

project no

SIGNOFF REFERENCE SHEET (SHEET OR N/A) **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] 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 building [N] or to additions and 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** newly constructed) shall apply. **303.1.1 Tenant improvements.** The provisions of this code shall apply only to the initial tenant or occupant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations. ABBREVIATION DEFINITIONS: Department of Housing and Community Development California Building Standards Commission DSA-SS Division of the State Architect, Structural Safety OSHPD Office of Statewide Health Planning and Development Low Rise High Rise Additions and Alterations

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

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

zero-emission vehicle standards.

N/A

CHAPTER 5

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

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 motortruck 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. Newly constructed projects and additions which disturb less than one acre of land 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 **5.106.1.2 Best Management Practices (BMP).** Prevent the loss of soil through wind or water erosion by

implementing an effective combination of erosion and sediment control and good housekeeping BMP. 1. Soil loss BMP that should be considered for each project include, but are not limited to, the

following:

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

d. Mulching or hydroseeding to stabilize disturbed soils. e. Erosion control to protect slopes. f. Protection of storm drain inlets (gravel bags or catch basin inserts). g. Perimeter sediment control (perimeter silt fence, fiber rolls).

h. Sediment trap or sediment basin to retain sediment on site. Stabilized construction exits. Wind erosion control.

k. Other soil loss BMP acceptable to the enforcing agency. 2. Good housekeeping BMP to manage construction equipment, materials and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the

a. Material handling and waste management. b. Building materials stockpile management. c. Management of washout areas (concrete, paints, stucco, etc.).

e. Vehicle and equipment cleaning performed off site.

f. Spill prevention and control.

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

g. Other housekeeping BMP acceptable to the enforcing agency.

N/A

N/A

N/A

SIGNOFF

REFERENCE

SHEET (SHEET # OR N/A)

SHT. TA1.0

..) TWO 9-BIKE

CAPACITY RACKS

N/A

O ADDED

N/A

N/A

NO ADDED

VEHICULAR

VEHICULAR

into listed suitable cabinet(s), box(es), enclosure(s) or equivalent. 3. Plan design shall be based upon 40-ampere minimum branch circuits.

project.

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

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

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.

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

considered eligible for designated parking spaces. **5.106.5.3 Electric vehicle (EV) charging. [N]** Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Energy Commission (CEC) and as follows: **5.106.5.3.1 Single charging space requirements. [N]** When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the *California Electrical Code*. Construction plans and

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

5.106.5.2.1 - Parking stall marking. Paint, in the paint used for stall striping, the following

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be

visible beneath a parked vehicle: CLEAN AIR / VAN POOL / EV

characters such that the lower edge of the last word aligns with the end of the stall striping and is

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

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

Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

1. Covered, lockable enclosures with permanently anchored racks for bicycles;

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

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;

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,

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently

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

NUMBER OF REQUIRED SPACES

11

16

AT LEAST 8% OF TOTAL

2. Lockable bicycle rooms with permanently anchored racks; or

accessed with a minimum of four two-bike capacity racks per new building.

2. Lockable bicycle rooms with permanently anchored racks; or

3. Lockable, permanently anchored bicycle lockers.

3. Lockable, permanently anchored bicycle lockers.

5.106.4.1.1 Short-term bicycle parking. If the project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors'

entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being

5.106.4.1.2 Long-term bicycle parking. For new buildings with 10 or more tenant-occupants or for

additions or alterations that add 10 or more tenant vehicular parking spaces, provide secure bicycle

parking for 5 percent of the tenant vehicle parking spaces being added, with a minimum of one space.

Note: Additional information on recommended bicycle accommodations may be obtained from

Acceptable parking facilities shall be convenient from the street and shall meet one of the following:

Architect pursuant to Section 105, comply with Section 5.106.4.2

added, with a minimum of one two-bike capacity rack.

Sacramento Area Bicycle Advocates.

fuel-efficient and carpool/van pool vehicles as follows:

TABLE 5.106.5.2 - PARKING

TOTAL NUMBER OF PARKING SPACES

0-9

10-25

25-50

51-75

76-100

101-150

151-200

201 AND OVER

5.106.4.2.1 and 5.106.4.2.2

applicable local ordinance, whichever is stricter.

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

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

4. Electrical calculations shall substantiate the design of the electrical system, to include the

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

centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.

luminaire distribution, the applicable reduced Backlight rating shall be met.

Ordinance (MWELO). 503.1.1 and 503.1.2. TENANT NOT PROJECTED TO CONSUME MORE

REFERENCE

OR N/A)

SHEET (SHEET #

NOTE: CONTRACTOR TO REVIEW ALL NOTES PRIOR TO PROCEEDING. IN PARTICULAR CONTRACTOR TO REVIEW BUILDING DEPARTMENT/GREEN BUILDING NOTES FOR CODE REQUIREMENTS AND MATERIAL SPECIFICATIONS AND MAKE ALL SUBS. AND SUPPLIERS AWARE OF THE SPECIAL REQUIREMENTS. SIGNOFF REFERENCE SHEET (SHEET # 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. Energy efficiency goals. 3. Indoor environmental quality requirements. 4. Project program, including facility functions and hours of operation, and need for after hours 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. Heating, ventilation, air conditioning (HVAC) systems and controls. 2. Indoor lighting system and controls. Water heating system. 4. Renewable energy systems. 6. Water reuse systems. **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: I. General project information. 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. 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 **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 and the electric vehicle. 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. Major systems. 5. Site equipment inventory and maintenance notes. 6. A copy of verifications required by the enforcing agency or this code. **FREEWAY.** A divided arterial highway with full control of access and with grade separations at intersections. 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 **5.410.4 TESTING AND ADJUSTING.** Testing and adjusting of systems shall be required for 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 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. HVAC systems and controls. 2. Indoor and outdoor lighting and controls. 3. Water heating systems. 4. Renewable energy systems 5. Landscape irrigation systems. 6. Water reuse systems. **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.

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

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

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

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 320 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.

adjustments have been made.

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) (EVCSj). 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

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.

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

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 O³/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

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,

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

Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

to meet the emission limits. SECTION 5.504 POLLUTANT CONTROL

included in that specific regulation is the one that prevails for the specific measure in question.

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 SHT. M0.1 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.

NOTE #7

NOTE #1

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation, or during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and **SHT. M0.1** debris which may collect in the system.

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all drawings and written material appearing herein constitute the original and unpublished work of the architect and the same may not be duplicated used or disclosed without the written consent of the architect.

PLAN CHECK SUBMIT. 04.15.19 ISSUED FOR BID/ADD.-A 04.30.19

B P.C. CORRECT./ADD.-B 05.30.19

____ CALGREEN

BUILDING STANDARDS

NONRESIDENTIAL MANDATORY MEASURES

SIGNOFF

SHEET (SHEET #

REFERENCE

OR N/A)

SHEETS

TA3.4.1 &

TA3.4.2

OR N/A)

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

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 LIM	
Less Water and Less Exempt Compounds in Grams p	
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

ABLE 5.504.4.2 - SEALANT		
101 C 11 11/4 4 / = 3CALANI	V ()(,	

Less Water and Less Exempt Compounds in Grams per Liter

' ' '	<u>'</u>
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.

Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

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

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

REFERENCE SHEET (SHEET #

SIGNOFF

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 COATINGS1	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

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

1. Carpet and Rug Institute's Green Label Plus Program.

FROM THE AIR RESOURCES BOARD.

product requirements:

SHEETS

TA3.4.1 &

TA3.4.2

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)

. 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 (CA-CHPS) Criteria Interpretation for EQ 7.0 and EQ 7.1 (formerly EQ 2.2) dated July 2012 and listed in the CHPS High

Performance Product Database. **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.

formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seg.). 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 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

> **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 SHT. M0.1) 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

5. Other methods acceptable to the enforcing agency.

SIGNOFF REFERENCE SHEET (SHEET : OR N/A)

SHEETS

TA3.4.1 &

TA3.4.2

SHT. M0.1

NOTE #3

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS₁ MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION **CURRENT LIMIT** PRODUCT 0.05 HARDWOOD PLYWOOD VENEER CORE HARDWOOD PLYWOOD COMPOSITE CORE 0.05 0.09 PARTICLE BOARD 0.11 MEDIUM DENSITY FIBERBOARD 0.13 THIN MEDIUM DENSITY FIBERBOARD2

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

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 (CA-CHPS) Criteria Interpretation for EQ 7. and EQ 7.1 (formerly EQ 2.2) dated July 2012 and listed in the CHPS High Performance Product DataBase; or

4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools

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

8. MERV 8 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the

Exceptions:

1. An ASHRAE 10% to 15% efficiency filter shall be permitted for an HVAC unit meeting the 2013 California Energy Code having 60,000 Btu/h or less capacity per fan coil, if the energy use of the air delivery system is 0.4 W/cfm or less at design air flow.

2. Existing mechanical equipment. 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.

SECTION 5.505 INDOOR MOISTURE CONTROL

same value shall be included in the operation and maintenance manual.

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of *California Building Code*, CCR, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not applicable to low-rise residential occupancies, see Section 5.407.2 of this code.

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.

5.506.2 CARBON DIOXIDE (CO₂) MONITORING. For buildings or additions equipped with demand control ventilation, CO₂ sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

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

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:

- a. Ldn or CNEL for military airports shall be determined by the facility Air Installation Compatible
- Land Use Zone (AICUZ) plan. b. Ldn 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 Ldn 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, 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 sound levels 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 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.

SECTION 5.508 OUTDOOR AIR QUALITY

NOTES

#5 & 6

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 (CO₂), and potentially other refrigerants.

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.

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

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to

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.

keep vibration levels below 8 mils.

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

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

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall

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

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

rupture or discharge of the relief valve.

designed to have seal caps.

be installed between the outlet of the vessel and the inlet of the pressure relief valve.

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. **5.508.2.2.2.1 Chain tethers.** Chain tethers to fit ovr the stem are required for valves

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-reistant 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

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

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

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

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

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.

considered by the enforcing agency when evaluating the qualifications of a special inspector:

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

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.

area of certification shall be closely related to the primary job function, as determined by the local agency.

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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PLAN CHECK SUBMIT. 04.15.19 ISSUED FOR BID/ADD.-A 04.30.19 B P.C. CORRECT./ADD.-B 05.30.19

BUILDING STANDARDS



SHEETS TA3.4.1 8 TA3.4.2

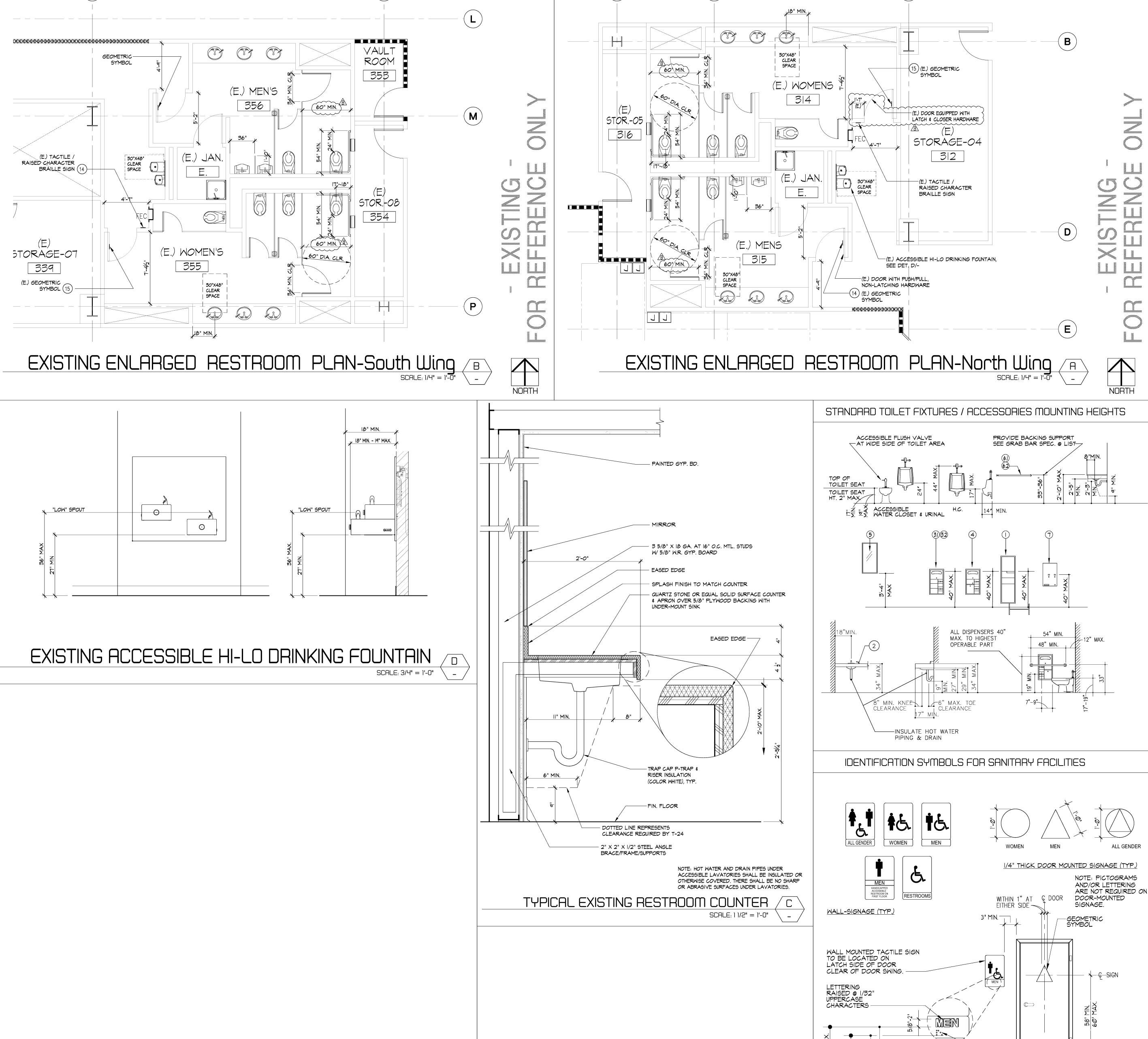
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SITE PLAN W/

ACCESSIBLE PATH

(For Reference Only)

TA1.0



(6)

(10)

(12)

(E.) ACCESSORIES SCHEDULE / KEYNOTES (FOR REFERENCE ONLY)

(1) B-43944 RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE

(2) B-822 COUNTERTOP MOUNTED ALL PURPOSE SOAP DISPENSER

(3.1) B-3574 RECESSED-MOUNTED TOILET SEAT COVER DISPENSER, SANITARY NAPKIN

(3.2) B-357 PARTITION-MOUNTED TOILET SEAT COVER DISPENSER, SANITARY NAPKIN

(4) B-3474 RECESSED-MOUNTED TOILET SEAT COVER DISPENSER AND TOILET TISSUE DISPENSER AT MEN'S RESTROOM

FULL WIDTH X 36" HIGH MIRROR WITH FRAMELESS POLISHED BEVELED EDGE. 15-YR. SPOILAGE WARRANTY. BACK PROTECTED WITH 1/8" POLYETHYLENE PADDING.

6.1 B-6806 SERIES | $\frac{1}{2}$ DIA. X 48" LONG STAINLESS STEEL SIDE GRAB BAR (EXTEND 24" MINIMUM BEYOND LIP OF WATER CLOSET); USE CONCEALED ANCHOR

B-6806 SERIES I $\frac{1}{2}$ " DIA. X 36" LONG STAINLESS STEEL REAR GRAB BAR; USE CONCEALED ANCHOR

7) B-43500 RECESSED SANITARY NAPKIN/TAMPON VENDOR

ADA COMPLIANT LAVATORY AND FAUCET

BIO3O TRIMLINE SERIES OVERHEAD-BRACED LAMINATED PLASTIC TOILET PARTITION WITH STAINLESS STEEL EDGES; COLOR TO BE SELECTED BY OWNER.

ADA COMPLIANT FLOOR MOUNTED WATER CLOSET, SEE GEN. NOTE IOA ON THIS SHT.)

BIO30 TRIMLINE SERIES WALL MOUNTED LAMINATED PLASTIC URINAL SCREEN WITH STAINLESS STEEL EDGE AND COLOR TO MATCH TOILET PARTITION

ig(14ig) 1/4" THK. X 12" WIDTH X 18" LONG SIDES EQUILATERAL TRIANGLE, MOUNTED 60" HIGH, CONTRASTING COLOR FROM DOOR/WALL PER CALIFORNIA TITLE 24 "MEN" SIGNAGE. SEE RESTROOM SIGNAGE STANDARDS.

(15) 1/4" THK. X 60" DIA. CIRCLE MOUNTED 60" HIGH, CONTRASTING COLOR FROM DOOR/WALL PER CALIFORNIA TITLE 24 "WOMEN" SIGNAGE. SEE RESTROOM SIGNAGE STANDARDS.

(18) TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF 4-FT. ABOVE THE FLOOR (CBC, SEC 1210.2)

(19) FLOOR DRAIN, TYPICAL

(20) STONE THRESHOLD

GENERAL NOTES

(FOR REFERENCE ONLY)

ALL TOILET GYP. BOARD SHALL BE 5/8" TYPE "X" WATER RESISTANT BOARD. 2. INSULATE ALL HOT WATER PIPES UNDERNEATH SINK W/ APPROVED UNITIZED

PIECE INSULATION WRAP. (UPC 1504.2)

3. ACCESSORIES MODEL # "B-..." INDICATE MFR. "BOBRICK" AND TYPE 304, 18-8 STAIN FINISH STAINLESS STEEL, UNLESS NOTED OTHERWISE.

4. ALL RESTROOM DIMENSIONS ARE TO FACE OF FINISH (F.O.F.), UNLESS NOTED

5. TOILET ROOM CLEARANCES & HEIGHTS TO COMPLY WITH "ADA" REQUIREMENTS AND "CAC" REQUIREMENTS.

6. REFER TO THIS SHEET FOR TOILET ROOM ACCESSIBLE NOTES.

7. SEE PARTITION PLAN FOR ALL WALL TYPE REFERENCES.

8. WHERE GRAB BAR OCCURS AT DRYWALL, PROVIDE ANCHOR PLATES- 256 SERIES OR 258 FOR TOILET COMPARTMENTS.

FLUSH VOLUME SHALL NOT EXCEED 1.28 GALLONS PER FLUSH.

9. PROVIDE BLOCKING/ SUPPORTS AT WALL MOUNTED FIXTURES AS REQUIRED.

10. A.) PROVIDE LOW-FLUSH WATER SAVING WATER CLOSET PER 2013 CPC.

B.) PROVIDE LOW-FLUSH WATER SAVING URINAL PER 2013 CPC.

URINALS SHALL USE NO MORE THAN 0.5 GALLONS PER FLUSH. THE FAUCET CONTROLS AND THE OPERATING MECHANISM (OPERABLE WITH ONE HAND) SHALL BE OF THE TYPE NOT REQUIRING AN OPERATING FORCE EXCEEDING 5 LBF. OR TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST

12. ANY SELF-CLOSING VALVES, IF USED, ARE TO REMAIN OPEN FOR AT LEAST 10 SECONDS. (UPC 1504.3)

13. TOILET ROOMS SHALL BE PROVIDED WITH A MECHANICALLY OPERATED EXHAUST SYSTEM CAPABLE OF PROVIDING A COMPLETE CHANGE OF AIR EVERY IS MINUTES. IT SHALL BE CONNECTED DIRECTLY TO THE OUTSIDE AND THE POINT OF DISCHARGE SHALL BE AT LEAST 3 FEET FROM ANY OPENING THAT ALLOWS AIR ENTRY INTO OCCUPIED PORTIONS OF THE BUILDING.

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herein constitute the original and unpublished work of the architect and the same may not written consent of the architect.

7	remarks	date
	PLAN CHECK SUBMIT.	04.15.19
	ISSUED FOR BID/ADDA	04.30.19
^		

<u>/B\</u> P.C. CORRECT./ADD.-B 05.30.19

EXISTING ENLARGED RESTROOM PLANS

For Reference Only

18-87.60

TAI.I

ELEVATOR NOTES: PASSENGER ELEVATORS SHALL BE LOCATED NEAR A MAJOR PATH OF TRAVEL AND PROVISIONS SHALL BE MADE TO ASSURE THAT THEY REMAIN ACCESSIBLE AND USABLE AT ALL TIMES THE BUILDING IS OCCUPIED. 2. THE CAR INSIDE SHALL ALLOW FOR THE TURNING OF A WHEELCHAIR. THE MINIMUM CLEAR DISTANCE BETWEEN WALLS OR BETWEEN WALL AND DOOR, EXCLUDING RETURN PANELS, SHALL BE NOT LESS THAN 80" BY 54" FOR CENTER-OPENING DOORS, AND 68" BY 54" FOR SIDE-SLIDE OPENING DOORS. MINIMUM DISTANCE FROM WALL TO RETURN PANEL SHALL BE NOT LESS THAN 51".

3. MINIMUM CLEAR WIDTH FOR ELEVATOR DOORS SHALL BE 36".

REAR. THE RAILS SHALL BE SMOOTH AND THE INSIDE SURFACE AT LEAST 1-1/2"

ELEV. NO.

3'-6" CLR.

OPENING

7'-0" O.A. PLATFORM

HALL STATION,

SEE DET. C/- -

ELEVATOR LOBBY

LOBBY FLOOR FINISH PER SCHED. O/ 3 1/2" CONC. OVER METAL DECK

ELEVATOR DOOR

-MTL. DECK

-GROUT

TOE GUARD

(E.) ELEVATOR SILL @ 2ND & 3RD LEVELS

(E.) ELEVATOR SILL @ 1ST LEVEL

SCALE: 1" = 1'-0"

SCALE: 1" = 1'-0"

-ELEVATOR SILL

- 4 1/2"X 4 1/2" SILL ANGLE

Ix4x4 SPACERS.

(For Reference Only)

ELEVATOR DOOR

-ELEVATOR SILL

---ELEVATOR FLOOR

TOE GUARD

- CONC. ANCHOR BOLTS

(For Reference Only) \

OVER CONCRETE SLAB

LOBBY FLOOR FINISH MATERIAL

 $-4 \frac{1}{2} \times 4 \frac{1}{2} \times 3/8$ " SILL ANGLE

W/ GUSSET, ANCHORED TO CONC

---ELEVATOR FLOOR

W/ GUSSET ANCHORED TO FRAMING

-11⁄4" MAX.

<u>ELEV. NO. 2</u>

3'-6" CLR.

OPENING

7'-0" O.A. PLATFORM

CLEAR OF THE WALLS AT A NOMINAL HEIGHT OF 34" ABOVE THE FLOOR. 5. ELEVATOR FLOOR BUTTONS SHALL BE WITHIN 4'-6" ABOVE THE FINISHED FLOOR FOR SIDE APPROACH AND 4' FOR FRONT APPROACH.

4. A HANDRAIL SHALL BE PROVIDED ON ONE WALL OF THE CAR, PREFERABLE THE

6. FLOOR BUTTONS SHALL BE PROVIDED WITH VISUAL INDICATORS TO SHOW WHEN EACH CALL IS REGISTERED. THE VISUAL INDICATORS SHALL BE EXTINGUISHED WHEN EACH CALL IS ANSWERED.

EXCEPT FOR PHOTO ELECTRIC TUBE BY-PASS SWITCHES, EMERGENCY CONTROLS, INCLUDING THE EMERGENCY STOP AND ALARM, SHALL BE GROUPED IN OR ADJACENT TO THE BOTTOM OF THE PANEL AND SHALL BE NO LOWER THAN 2'-11" FROM THE FLOOR. FOR MULTIPLE CONTROLS ONLY, ONE SET MUST COMPLY WITH THESE HEIGHT

8. CALL OPERATION BUTTONS SHALL BE WITHIN 3'-6" OF THE FLOOR. THE BUTTONS SHALL BE A MINIMUM OF 3/4" IN SIZE AND SHALL BE RAISED 1/8" \pm 1/32" ABOVE THE SURROUNDING SURFACE, VISUAL INDICATION SHALL BE PROVIDED TO SHOW EACH CALL REGISTERED AND EXTINGUISHED WHEN ANSWERED. OBJECTS ADJACENT TO AND BELOW HALL CALL BUTTONS SHALL NOT PROJECT MORE THAN 4" FROM THE WALL.

9. THE EMERGENCY TELEPHONE HANDSET SHALL BE POSITIONED NO HIGHER THAN 4' ABOVE THE FLOOR, AND THE HANDSET CORD SHALL BE A MINIMUM OF 2'-5" IN LENGTH.

10. IF THE TELEPHONE SYSTEM IS LOCATED IN A CLOSED COMPARTMENT, THE COMPARTMENT DOOR HARDWARE SHALL BE LEVER TYPE CONFORMING TO THE PROVISIONS OF SECTION 3304(c), TYPE OF LOCK OR LATCH. EMERGENCY INTERCOMMUNICATION SHALL NOT REQUIRE VOICE COMMUNICATION.

11. A CAR POSITION INDICATOR SHALL BE PROVIDED ABOVE THE CAR OPERATING PANEL OR OVER THE OPENING OF EACH CAR TO SHOW THE POSITION OF THE CAR IN THE HOISTWAY BY ILLUMINATION OF THE INDICATION CORRESPONDING TO THE LANDING AT WHICH THE CAR IS STOPPED OR PASSING.

12. THE CAR POSITION INDICATOR SHALL BE ON A CONTRASTING COLOR BACKGROUND AND A MINIMUM OF 1/2" IM HEIGHT.

13. AN AUDIBLE VERBAL ANNOUNCEMENT OR SIGNAL SHALL SOUND TO TELL PASSENGERS THAT THE CAR IS STOPPING OR PASSING A FLOOR SERVED BY THE ELEVATOR. THE AUDIBLE SIGNAL SHALL BE NO LESS THAN 20 DECIBELS WITH A FREQUENCY NO HIGHER THAN 1500 Hz.

14. THE MINIMUM ILLUMINATION AT THE CAR CONTROLS, THRESHOLD, AND THE LANDING WHEN THE CAR AND LANDING DOORS ARE OPEN SHALL NOT BE LESS THAN 5 FOOT-CANDLES.

15. IDENTIFICATION FOR THE VISUALLY IMPAIRED SHALL BE AS FOLLOWS:

a. PASSENGER ELEVATOR CAR CONTROLS SHALL HAVE A MINIMUM DIMENSION OF 3/4" AND SHALL BE RAISED 1/8" + 1/32" ABOVE THE SURROUNDING SURFACE.

b. CONTROL BUTTONS SHALL BE ILLUMINATED, SHALL HAVE SQUARE SHOULDERS, AND SHALL BE ACTIVATED BY A MECHANICAL MOTION THAT IS DETECTIBLE.

c. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY A 5/8" MINIMUM, ARABIC NUMERAL, STANDARD ALPHABET CHARACTER, OR STANDARD SYMBOL IMMEDIATELY TO THE LEFT OF THE CONTROL BUTTON.

d. A BRAILLE SYMBOL SHALL BE LOCATED IMMEDIATELY BELOW THE NUMERAL, CHARACTER, OR SYMBOL.

e. A MINIMUM CLEAR SPACE OF 3/8" OR OTHER SUITABLE MEANS OF SEPARATION SHALL BE PROVIDED BETWEEN ROWS OF CONTROL BUTTONS.

f. THE RAISED CHARACTERS SHALL BE WHITE ON A BLACK BACKGROUND.

CONTROLS AND EMERGENCY EQUIPMENT IDENTIFIED BY RAISED SYMBOLS SHALL INCLUDE, BUT NOT BE LIMITED TO, DOOR OPEN, DOOR CLOSE, ALARM BELL, EMERGENCY STOP, AND TELEPHONE.

h. THE FLOOR LANDING DESIGNATION SIGN FOR THE MAIN ENTRY FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION.

16. A VISUAL AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE INDICATING TO THE PROSPECTIVE PASSENGER THE CAR ANSWERING THE CALL AND ITS DIRECTION OF TRAVEL AS FOLLOWS:

a. THE VISUAL SIGNAL FOR EACH DIRECTION SHALL BE A MINIMUM OF 2-1/2" HIGH BY 2-1/2" WIDE, AND VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTON.

b. THE AUDIBLE SIGNAL SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DOWN DIRECTION OR OF A CONFIGURATION WHICH DISTINGUISHES BETWEEN UP AND DOWN ELEVATOR TRAVEL.

c. THE CENTER LINE OF THE FIXTURE SHALL BE LOCATED A MINIMUM OF 6' IN HEIGHT FROM THE LOBBY FLOOR.

17. THE USE OF IN-CAR LANTERNS, LOCATED IN OR ON THE DOOR JAMBS, VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTONS AND CONFORMING TO SECTIONS 5103(d.1)9 A, B, & C WILL BE ACCEPTED.

18. THE USE OF ARROW SHAPES IS PREFERED FOR VISIBLE SIGNALS.

19. PASSENGER ELEVATOR LANDING JAMBS ON ALL ELEVATOR FLOORS SHALL HAVE THE NUMBER OF THE FLOOR ON WHICH THE JAMB IS LOCATED DESIGNATED BY RAISED ARABIC NUMERALS WHICH ARE A MINIMUM OF 2" IN HEIGHT AND RAISED BRAILLE SYMBOLS WHICH CONFORM TO SECTION 3105(e)1 LOCATED APPROXIMATELY 5' ABOVE THE FLOOR ON THE JAMB PANELS ON BOTH SIDES OF THE DOOR SO THAT THEY ARE VISIBLE FROM WITHIN THE ELEVATOR. RAISED BRAILLE SYMBOLS SHALL BE PLACED DIRECTLY TO THE LEFT OF THE CORRESPONDING RAISED ARABIC NUMERALS. THE RAISED CHARACTERS SHALL BE ON A CONTRASTING BACKGROUND.

20. POWER-OPERATED HORIZONTALLY SLIDING CAR AND HOISTWAY DOORS OPENED AND CLOSED BY AUTOMATIC MEANS SHALL BE PROVIDED.

21. DOORS CLOSED BY AUTOMATIC MEANS SHALL BE PROVIDED WITH A DOOR REOPENING DEVICE WHICH WILL FUNCTION TO STOP AND REOPEN A CAR DOOR AND ADJACENT HOISTWAY DOOR IN CASE THE CAR DOOR IS OBSTRUCTED WHILE CLOSING. THIS REOPENING DEVICE SHALL ALSO BE CAPABLE OF SENSING AN OBJECT OR PERSON IN THE PATH OF THE CLOSING DOOR WITHOUT REQUIRING CONTACT FOR ACTIVATION AT A NORMAL 5" AND 29" ABOVE THE FLOOR. DOOR REOPENING DEVICES SHALL REMAIN EFFECTIVE FOR A PERIOD OF NOT LESS THAN 20 SECONDS. AFTER SUCH AN INTERVAL THE DOORS MAY CLOSE IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI 17.1-86 OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) DOCUMENT ASME 17.1-1990.

22. THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL (LANTERN AND AUDIBLE SIGNAL) UNTIL THE DOORS OF THE CAR START TO CLOSE SHALL BE CALCULATED IN ACCORDANCE WITH SECTION 5103(d.1)5A.

23. FOR CARS WITH IN-CAR LANTERNS, THE TOTAL TIME, T, AS CALCULATED IN ACCORDANCE WITH SECTION 5103(d.1)5A, BEGINS WHEN THE LANTERN IS VISIBLE FROM THE VICINITY OF HALL CALL BUTTONS AND AN AUDIBLE SIGNAL IS SOUNDED.

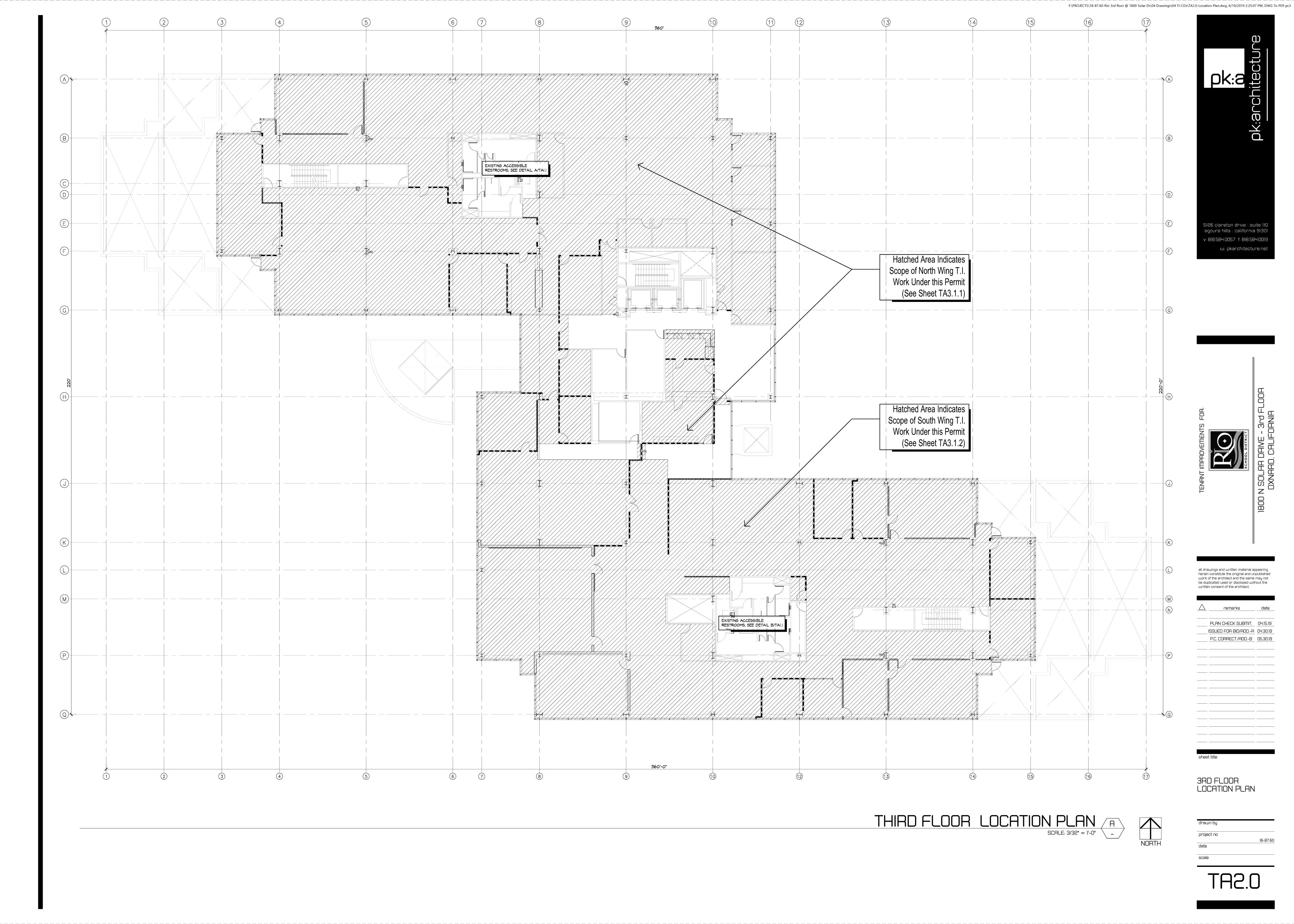
24. THE MINIMUM ACCEPTABLE TIME FOR DOORS TO REMAIN FULLY OPEN SHALL NOT BE LESS THAN 5 SECONDS.

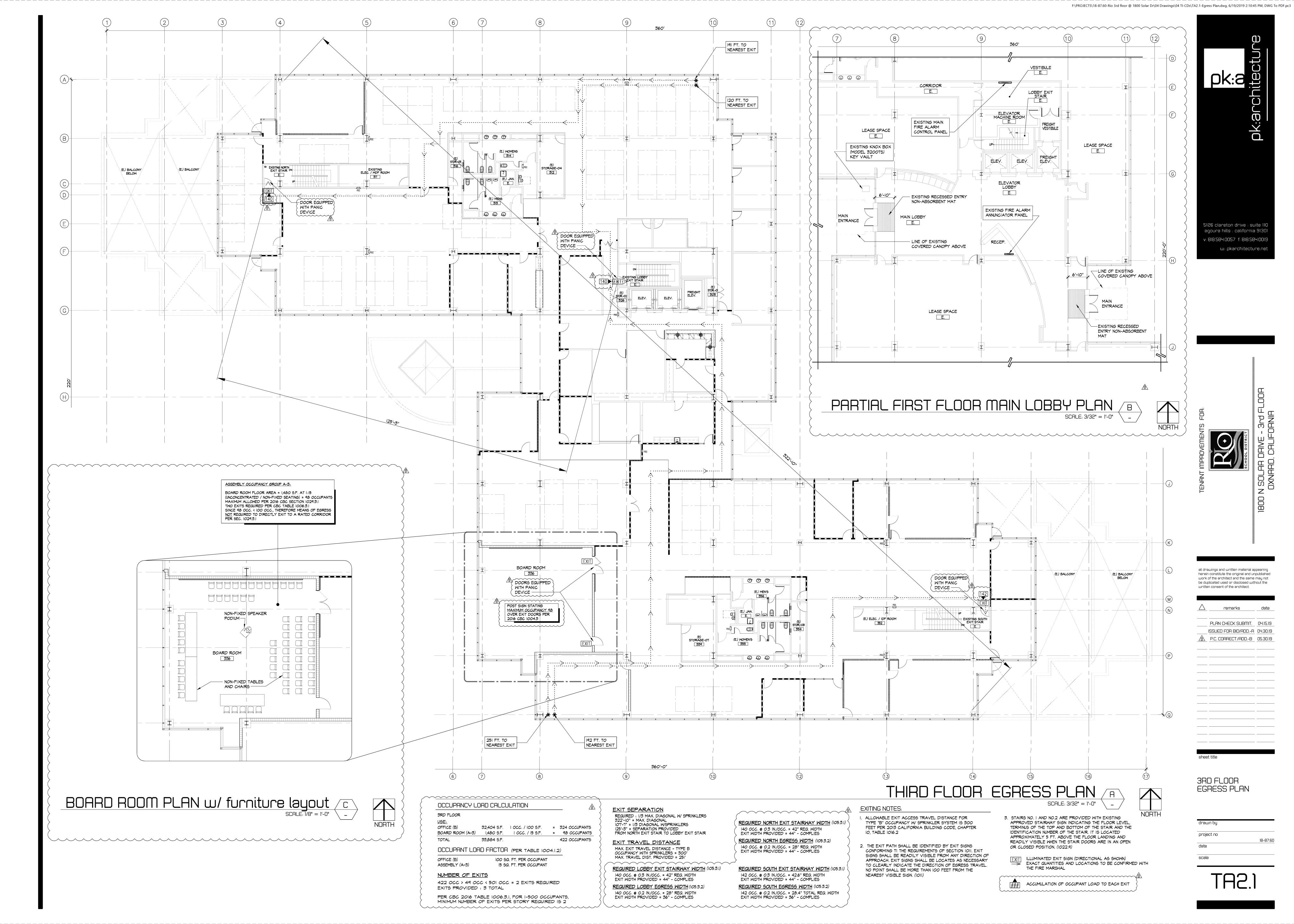
25. THE ELEVATOR SHALL BE AUTOMATIC AND BE PROVIDED WITH A SELF-LEVELING FEATURE THAT WILL AUTOMATICALLY BRING THE CAR TO THE FLOOR LANDINGS WITH A TOLERANCE OF $\pm 3/8$ " UNDER NORMAL LOADING AND UNLOADING CONDITIONS. THIS SELF-LEVELING SHALL, WITHIN ITS ZONE, BE ENTIRELY AUTOMATIC AND INDEPENDENT OF THE OPERATING DEVICE AND SHALL CORRECT THE OVERTRAVEL OR UNDER-TRAVEL. THE CAR SHALL ALSO BE MAINTAINED APPROXIMATELY LEVEL WITH THE LANDING, IRRESPECTIVE OF LOAD. THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF THE HOISTWAY LANDING SHALL BE NO GREATER THAN 1-1/4".

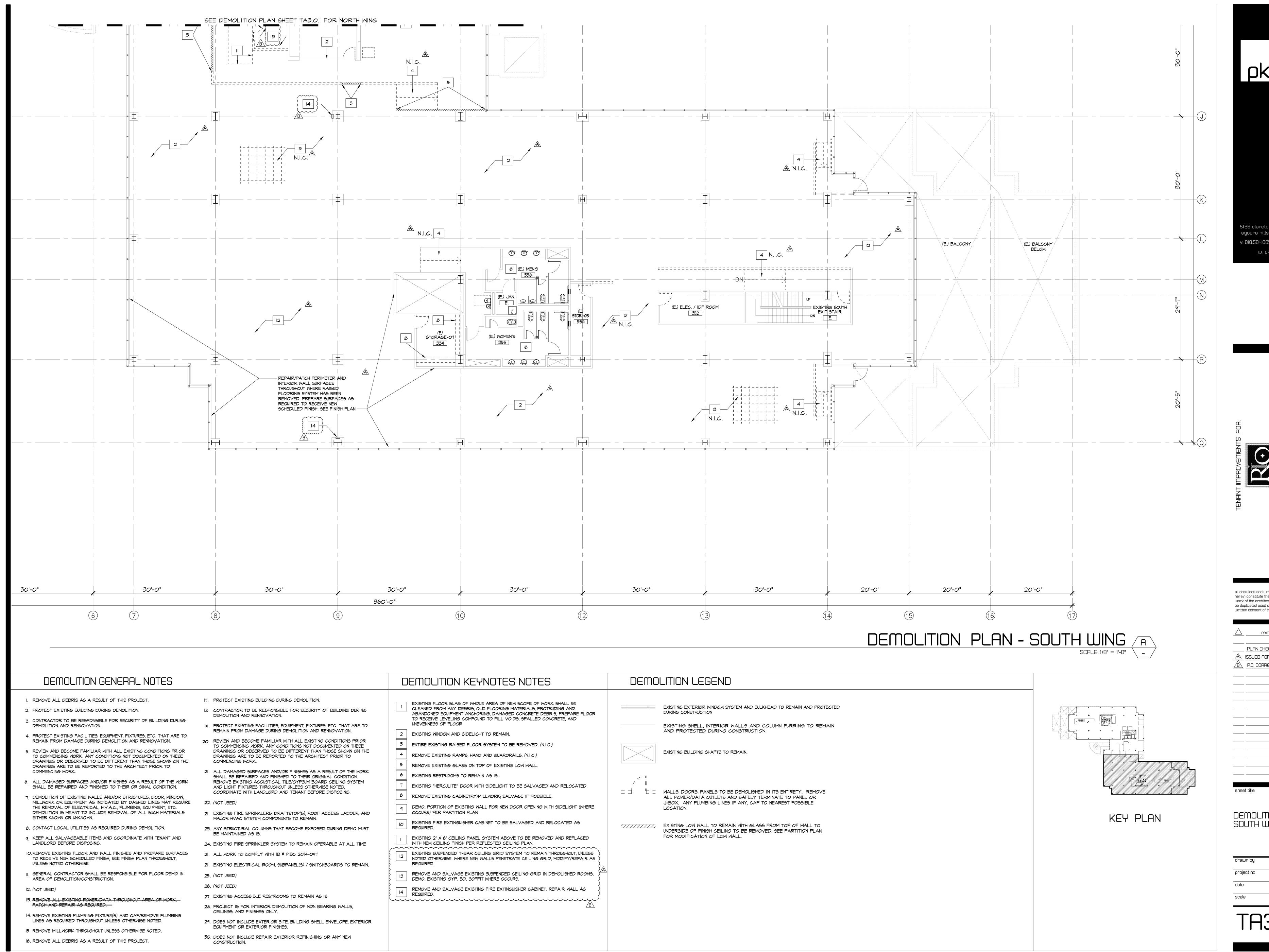
26. WALLS AND PARTITIONS ENCLOSING ELEVATOR AND DUMBWAITER HOISTWAY SHAFTS AND ESCALATOR SHAFTS SHALL NOT BE OF LESS THAN THE FIRE-RESISTIVE CONSTRUCTION REQUIRED UNDER "TYPES OF CONSTRUCTION" IN THE LOS ANGELES BUILDING CODE.

27. ELEVATOR LOBBIES SHALL HAVE AT LEAST ONE EXIT. THE USE OF SUCH EXIT SHALL NOT REQUIRE KEYS, TOOLS, SPECIAL KNOWLEDGE OR EFFORT.

28. ELEVATOR REQUIRES APPROVAL AND PERMIT FROM THE STATE PRIOR TO PERMIT ISSUANCE.

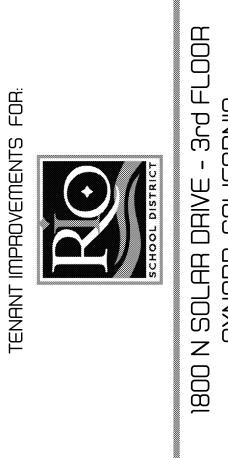






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F:\PROJECTS\18-87.60-Rio 3rd floor @ 1800 Solar Dr\04 Drawings\04 TI-CDs\TA3.0.1-TA3.0.2-Demolition Plan.dwg, 6/18/2019 10:03:47 AM, DWG To PDF.pc3



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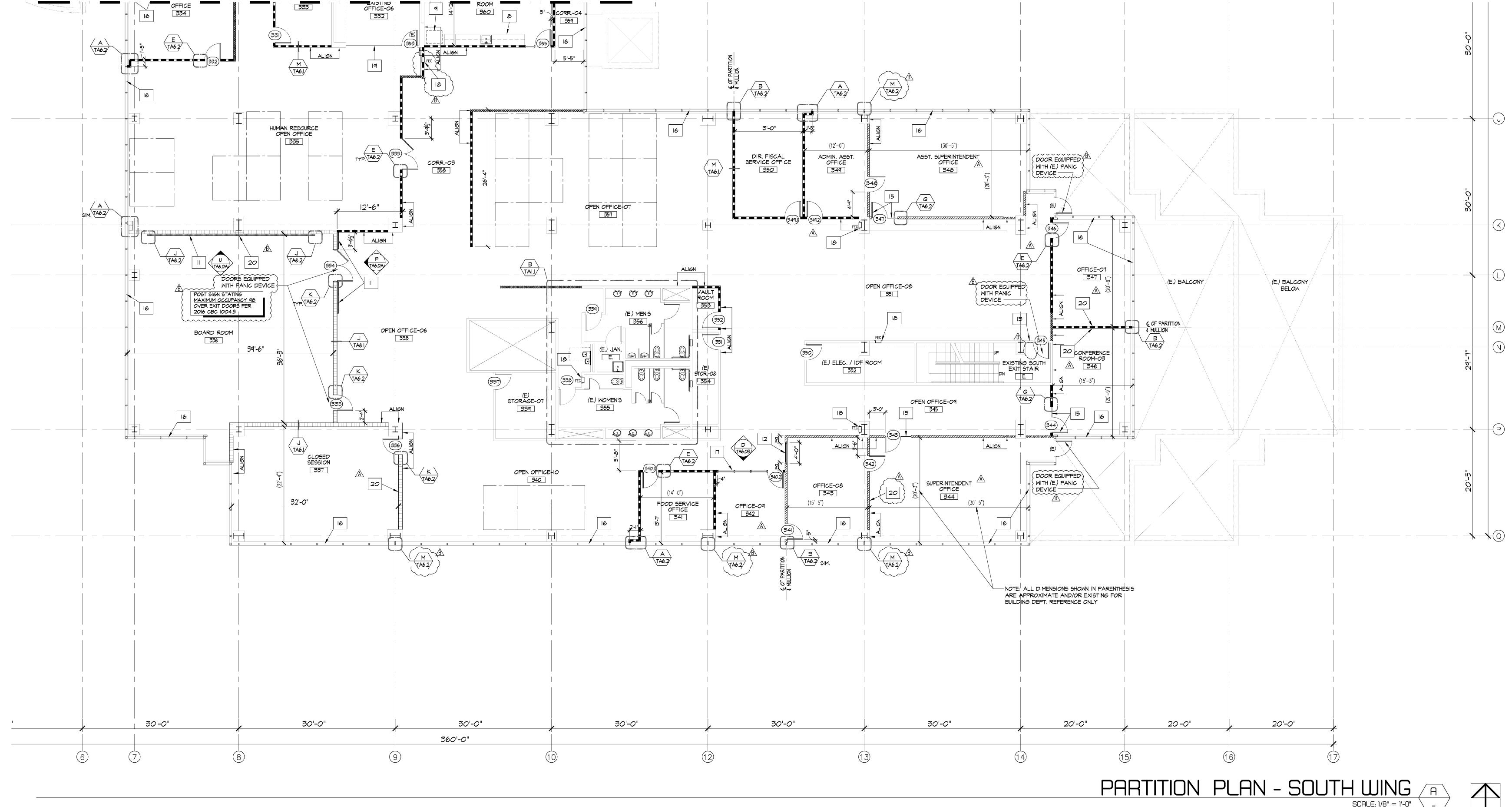
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DEMOLITION PLAN-SOUTH WING

PARTITION PLAN-SOUTH WING

18-87.60

project no



GENERAL NOTES

- GENERAL AND ALL SUBCONTRACTORS TO VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO SUBMITTING BIDS AND STARTING ANY WORK. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT CALIFORNIA BUILDING CODE AND MATERIALS USED UNLESS OTHERWISE NOTED. CONTRACTORS TO PROTECT ALL
- DEMOLITION OR NEW CONSTRUCTION. OPENING IN FIRE RATED WALLS REQUIRING PROTECTED OPENING SHALL HAVE A

EXISTING CONDITIONS AS REQUIRED AND REPAIR ALL DAMAGES CAUSED BY

- RATING IN THE FOLLOWING LOCATIONS. A. ABOVE CORRIDOR CEILING WHICH ARE NOT PART OF THE FIRE RESISTIVE
- ASSEMBLY. B. BELOW ANY CEILING. (CBC 716)

CONFORM WITH CBC SECTION 715.

- CONSTRUCTION JOINTS IN FIRE-RATING WALLS REQUIRED TO HAVE PROTECTION OPENINGS OR IN FLOORS SHALL BE PROTECTED BY MATERIALS HAVING AN EQUIVALENT FIRE RATING. SUCH MATERIAL SHALL
- FIRE DOORS AND FIRE DAMPERS SHALL BE LABELED OR OTHERWISE IDENTIFIED AS TO THE FIRE PROTECTION RATING SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING. FIRE DAMPERS SHALL BE FABRICATED
- AND INSTALLED IN AN APPROVED MANNER. (CBC 717.3.2.1). FIRE AND SMOKE DAMPERS ARE REQUIRED IN THE FOLLOWING LOCATIONS: A. DUCTS PENETRATING THE CEILING OF A FIRE-RESISTIVE FLOOR - OR
- ROOF-ASSEMBLY. B. DUCTS PENETRATING FIRE-RATED CORRIDOR WALLS. (CBC 717.5.1) A CLASS II FLAME RATING FOR INTERIOR FINISHES OF EXIT CORRIDORS AND A CLASS III FLAME RATING FOR INTERIOR FINISHES AT ROOMS.
- CONTRACTOR TO FIELD VERIFY THE CURRENT LEVEL OF FIRE LIFE SAFETY SYSTEM INSTALLED IN THE BUILDING AND INSTALL AS REQUIRED AN EQUIVALENT SYSTEM TO MATCH. SYSTEMS MUST BE INTER-CONNECTED THROUGHOUT THE BUILDING.
- A FINAL REPORT FOR TESTING AND ADJUSTING OF ALL NEW SYSTEM SHALL BE COMPLETED PRIOR TO ISSUANCE OF PERMIT. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES. (10.410.4.4)
- ALL JOINTS, PENETRATIONS AND ANY OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED TO LIMIT INFILTRATION AND EXFILTRATION

PARTITION PLAN KEY NOTES

- CONTRACTOR TO FIELD VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY BEFORE
- 2. ALL DIMENSIONS ARE TO BE TAKEN FROM FACE OF FINISH, U.N.O., SEE PLANS AND WALL DETAILS. 3. ALL PARTITIONS / WORK SURFACES SHALL BE CONSTRUCTED PARALLEL TO COLUMN GRID OR EXTERIOR
- 4. CONTRACTOR TO VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO PRICING. 5. CUBICLES (5'-9" HIGH MAX.) ARE TO BE SUPPLIED AND INSTALLED BY FURNITURE VENDOR.
- CONTRACTOR TO PROVIDE HARDWARE HOOK-UP FOR ELEC./ TELE./ DATA, TYPICAL.
- BUILT-IN ADA ACCESSIBLE RECEPTION COUNTER AT RECEPTION-302, SEE ENLARGED PLAN DETAIL A/TA6.0A
- BUILT-IN ADA ACCESSIBLE TRANSACTION COUNTER AT I.T. RECEPTION-323, SEE ENLARGED PLAN DETAIL B/TA6.0A

COMMENCING ANY WORK.

WINDOWS, U.N.O. DIMENSIONED ON PLAN.

SEE PARTITION PLAN SHEET TA3.1.1 FOR NORTH WING

NEW PLASTIC LAMINATE UPPER AND LOWER CABINET WITH STAINLESS STEEL SINK, HOT/COLD WATER IN BREAK ROOM. SEE DETAIL K/TA6.0

NEW 16" DEEP PLASTIC LAMINATE ADJUSTABLE SHELVING AT I.T. RECEPTION-323,

- 9 LOCATION OF TENANT-PROVIDED REFRIGERATORS (SIZE TO BE DETERMINED)
- SEE DETAIL T/TA6.0B
- NEW RED IX6 TONGUE & GROOVE CEDAR WOOD PANELING AT BOARD ROOM WALLS, SEE DETAIL P/TA6.0A. SEE ALSO SHEET TA5.0 FOR RENDERING.
- | 12 | NEW SOUND PROOF DUAL PANE WINDOW AT OFFICE-343, SEE DETAIL H/TA6.2
- 13 PROVIDE TACTILE "EXIT" SIGN AT DOOR, SEE DETAIL T/TA5.0
- PROVIDE TACTILE "EXIT ROUTE" SIGN AT DOOR, SEE DETAIL U/TA5.0
- RELOCATED HERCULITE DOOR & SIDELIGHT SYSTEM
- EXISTING WINDOW COVERING TO REMAIN THROUGHOUT; CLEAN / REPAIR AS
- NEW TEMPERED GLASS FROM FLOOR TO DOOR HEAD HEIGHT IN PRE-FINISHED BLACK "TIMELY"
- C-SERIES FRAMES AT OFFICE-342, SEE DETAIL D/TA6.0B EXISTING SEMI-RECESSED FIRE EXTINGUISHER CABINETS TO REMAIN AND TO BE INSPECTED FOR COMPLIANCE

EXISTING WINDOW OR SIDELIGHT TO REMAIN

- PROVIDE BACKING IN WALL FOR WALL MOUNTED FLAT SCREEN TELEVISION.
- CONTRACTOR TO VERIFY WITH TENANT FOR EXACT LOCATION.

NEW PLASTIC LAMINATE UPPER AND LOWER CABINETS IN MAIL ROOM-361, SEE DETAIL A/TA6.0B

SCHEDULE SHEET TA5.0 SECURITY DEVICE, F.O.B. ACCESS AND POWER SUPPLY AS REQUIRED FOR DOORS INDICATED. SEE DOOR SCHEDULE, SHEET TAS.O, FOR ADDITIONAL INFORMATION.

DOOR IDENTIFICATION, REFER TO DOOR

F.E.C. EXISTING RECESSED FIRE EXTINGUISHER CABINET

(E.) EXISTING TO REMAIN

INACTIVE DOOR LEAF

ACTIVE DOOR LEAF

ATTENUATION BATT INSULATION

DURING CONSTRUCTION

EXISTING BUILDING SHAFTS TO REMAIN.

NEW FULL-HEIGHT PARTITION - 1/8" TYPE "X" GYP. BD. EACH SIDE OF 31/8"

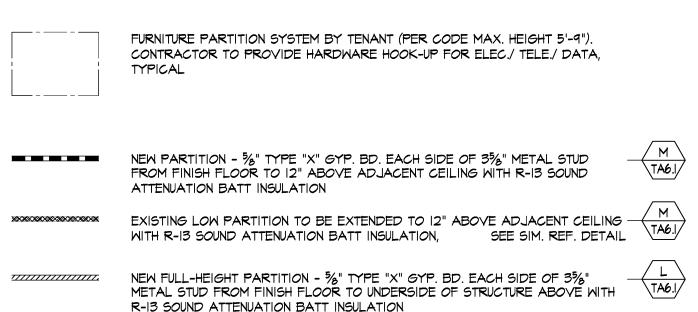
METAL STUD FROM FINISH FLOOR TO UNDERSIDE OF STRUCTURE ABOVE WITH R-13 SOUND ATTENUATION BATT INSULATION EXISTING LOW PARTITION TO BE EXTENDED TO UNDERSIDE OF STRUCTURE

ABOVE WITH R-13 SOUND ATTENUATION BATT INSULATION, SEE SIM. REF. DETAIL

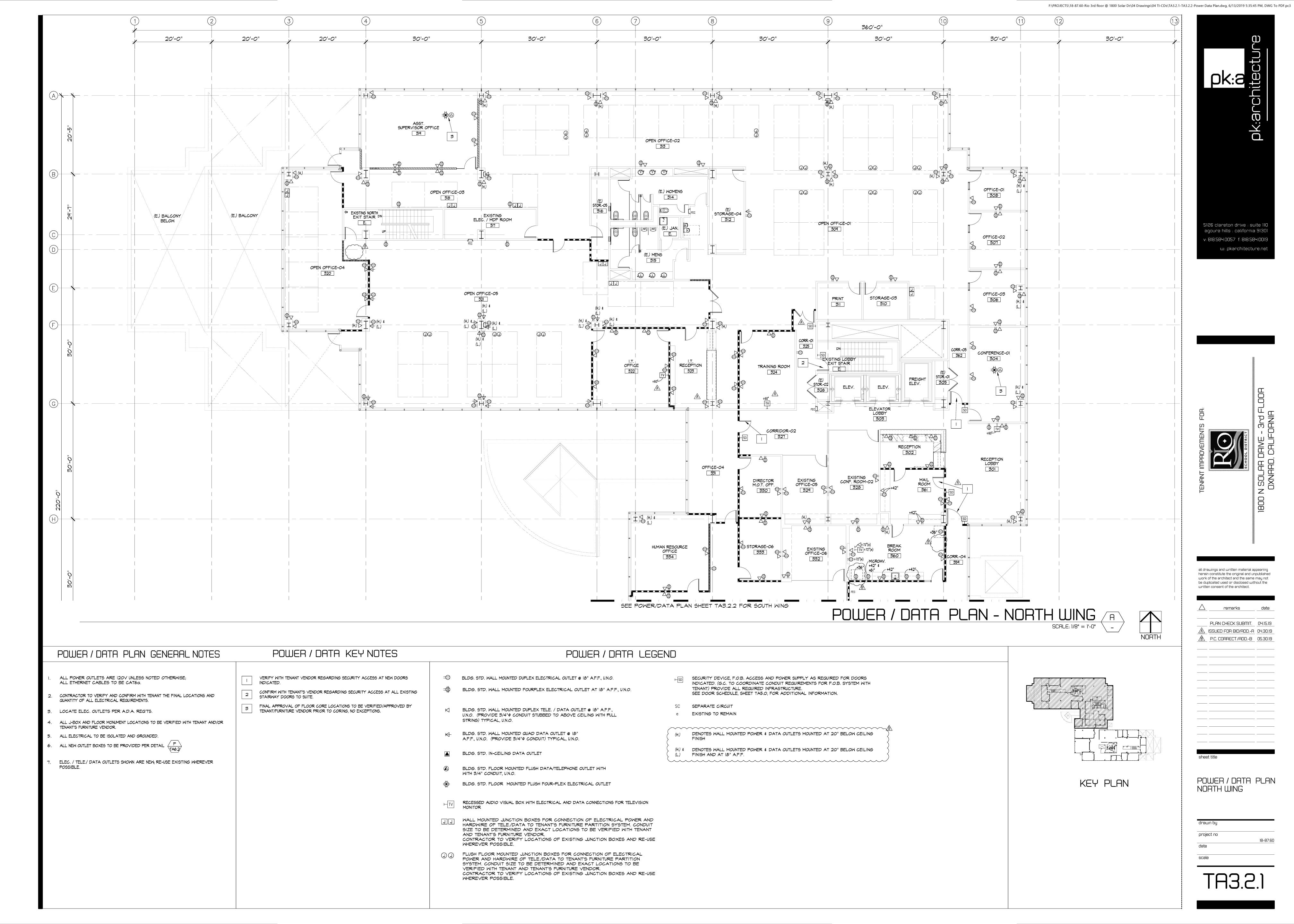
TA6.I.

NEW INTERIOR SOUND CONTROL PARTITION FROM FINISH FLOOR TO UNDERSIDE OF STRUCTURE WITH 5/8" TYPE "X" GYP. BOARD OVER EACH SIDE

OF STAGGERED METAL GILDS IN DECILIENT AND THE STAGGERED METAL GILDS IN DECILIENT AND OF STAGGERED METAL STUDS, $\frac{1}{2}$ " RESILIENT CHANNEL AND R-13 SOUND ATTENUATION BATT INSULATION.



KEY PLAN



POWER / DATA KEY NOTES POWER / DATA LEGEND

30'-0"

360'-0"

(E) STORAGE-07 339

- VERIFY WITH TENANT VENDOR REGARDING SECURITY ACCESS AT NEW DOORS
- CONFIRM WITH TENANT'S VENDOR REGARDING SECURITY ACCESS AT ALL EXISTING

CLOSED SESSION 337

30'-0"

- QUANTITY OF ALL ELECTRICAL REQUIREMENTS. LOCATE ELEC. OUTLETS PER A.D.A. REQ'TS.
- ALL J-BOX AND FLOOR MONUMENT LOCATIONS TO BE VERIFIED WITH TENANT AND/OR TENANT'S FURNITURE VENDOR.

ALL POWER OUTLETS ARE 120V UNLESS NOTED OTHERWISE;

POWER / DATA PLAN GENERAL NOTES

CONTRACTOR TO VERIFY AND CONFIRM WITH TENANT THE FINAL LOCATIONS AND

- ALL ELECTRICAL TO BE ISOLATED AND GROUNDED.
- ALL NEW OUTLET BOXES TO BE PROVIDED PER DETAIL (F) (TA6.2)

ALL ETHERNET CABLES TO BE CAT6a.

- ELEC. / TELE./ DATA OUTLETS SHOWN ARE NEW; RE-USE EXISTING WHEREVER
- STAIRWAY DOORS TO SUITE.
- FINAL APPROVAL OF FLOOR CORE LOCATIONS TO BE VERIFIED/APPROVED BY TENANT/FURNITURE VENDOR PRIOR TO CORING, NO EXCEPTIONS.
- BLDG. STD. WALL MOUNTED DUPLEX ELECTRICAL OUTLET @ 18" A.F.F., U.N.O.

30'-0"

BLDG. STD. WALL MOUNTED FOURPLEX ELECTRICAL OUTLET AT 18" A.F.F., U.N.O.

FOOD SERVICE OFFICE

OFFICE-09

30'-0"

- BLDG. STD. WALL MOUNTED DUPLEX TELE. / DATA OUTLET @ 18" A.F.F., U.N.O. (PROVIDE 3/4" OONDUIT STUBBED TO ABOVE CEILING WITH PULL STRING) TYPICAL, U.N.O.
- BLDG. STD. WALL MOUNTED QUAD DATA OUTLET @ 18" A.F.F., U.N.O. (PROVIDE 3/4" PCONDUIT) TYPICAL, U.N.O.
- BLDG. STD. IN-CEILING DATA OUTLET

WITH 3/4" CONDUIT, U.N.O.

- BLDG. STD. FLOOR MOUNTED FLUSH DATA/TELEPHONE OUTLET WITH
- BLDG. STD. FLOOR MOUNTED FLUSH FOUR-PLEX ELECTRICAL OUTLET
- RECESSED AUDIO VISUAL BOX WITH ELECTRICAL AND DATA CONNECTIONS FOR TELEVISION MONITOR
- WALL MOUNTED JUNCTION BOXES FOR CONNECTION OF ELECTRICAL POWER AND HARDWIRE OF TELE./DATA TO TENANT'S FURNITURE PARTITION SYSTEM. CONDUIT SIZE TO BE DETERMINED AND EXACT LOCATIONS TO BE VERIFIED WITH TENANT AND TENANT'S FURNITURE VENDOR. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING JUNCTION BOXES AND RE-USE WHEREVER POSSIBLE.
- THUSH FLOOR MOUNTED JUNCTION BOXES FOR CONNECTION OF ELECTRICAL POWER AND HARDWIRE OF TELE./DATA TO TENANT'S FURNITURE PARTITION SYSTEM. CONDUIT SIZE TO BE DETERMINED AND EXACT LOCATIONS TO BE VERIFIED WITH TENANT AND TENANT'S FURNITURE VENDOR. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING JUNCTION BOXES AND RE-USE WHEREVER POSSIBLE.

SECURITY DEVICE, F.O.B. ACCESS AND POWER SUPPLY AS REQUIRED FOR DOORS INDICATED. (G.C. TO COORDINATE CONDUIT REQUIREMENTS FOR F.O.B. SYSTEM WITH TENANT) PROVIDE ALL REQUIRED INFRASTRUCTURE.

30'-0"

- SEPARATE CIRCUIT
- e EXISTING TO REMAIN

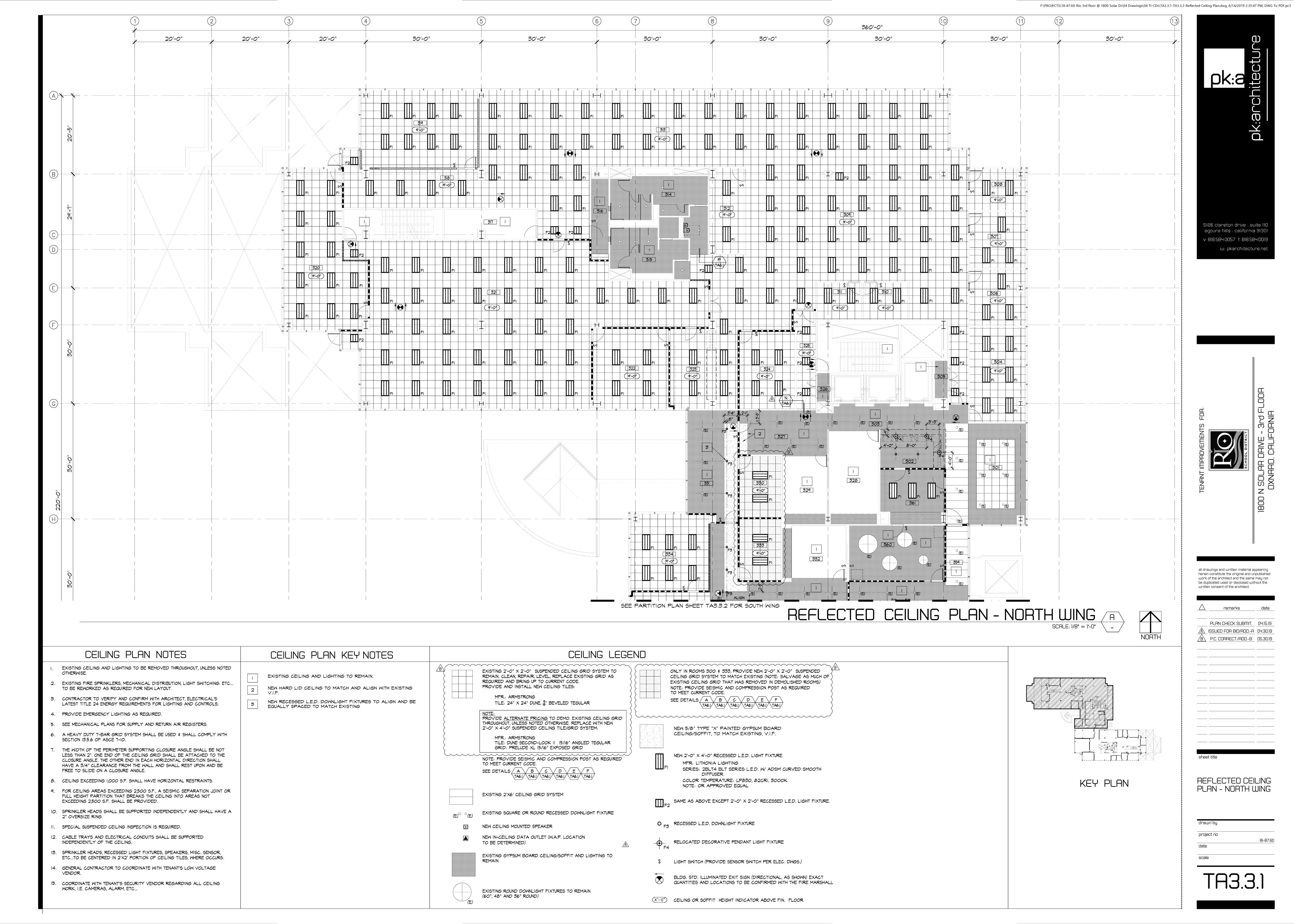
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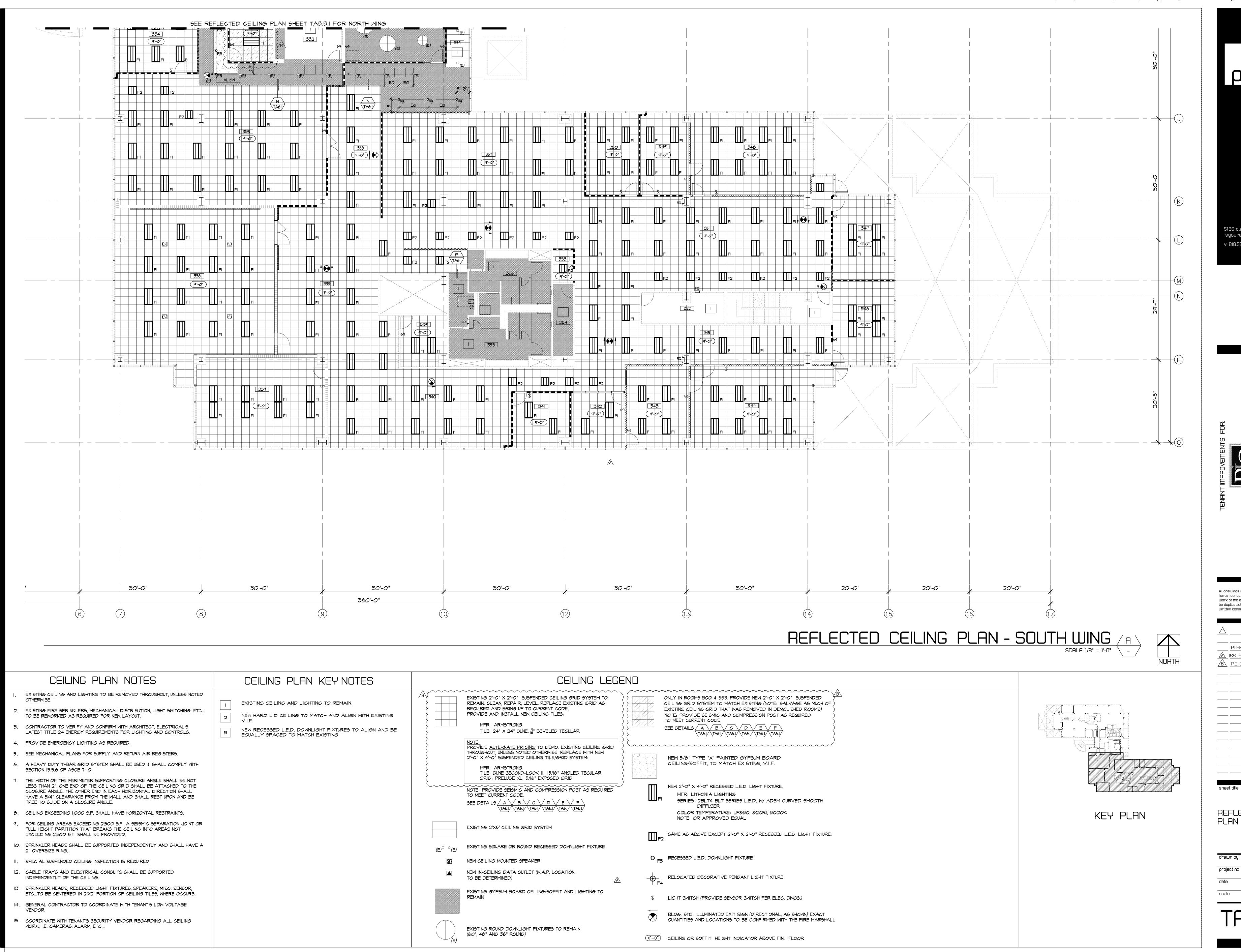
(E.) ELEC. / IDF ROOM

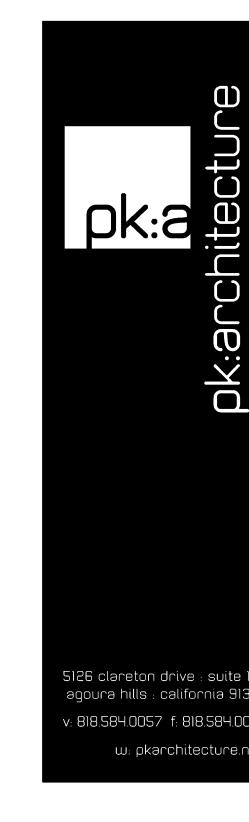
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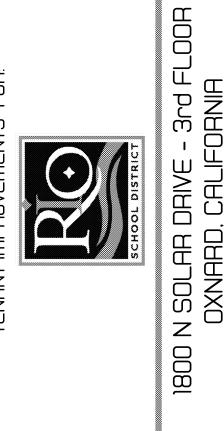
DIR. FISCAL SERVICE OFFICE

- DENOTES WALL MOUNTED POWER & DATA OUTLETS MOUNTED AT 20" BELOW CEILING
- (H.) \$ DENOTES WALL MOUNTED POWER \$ DATA OUTLETS MOUNTED AT 20" BELOW CEILING (L.) FINISH AND AT 18" A.F.F.









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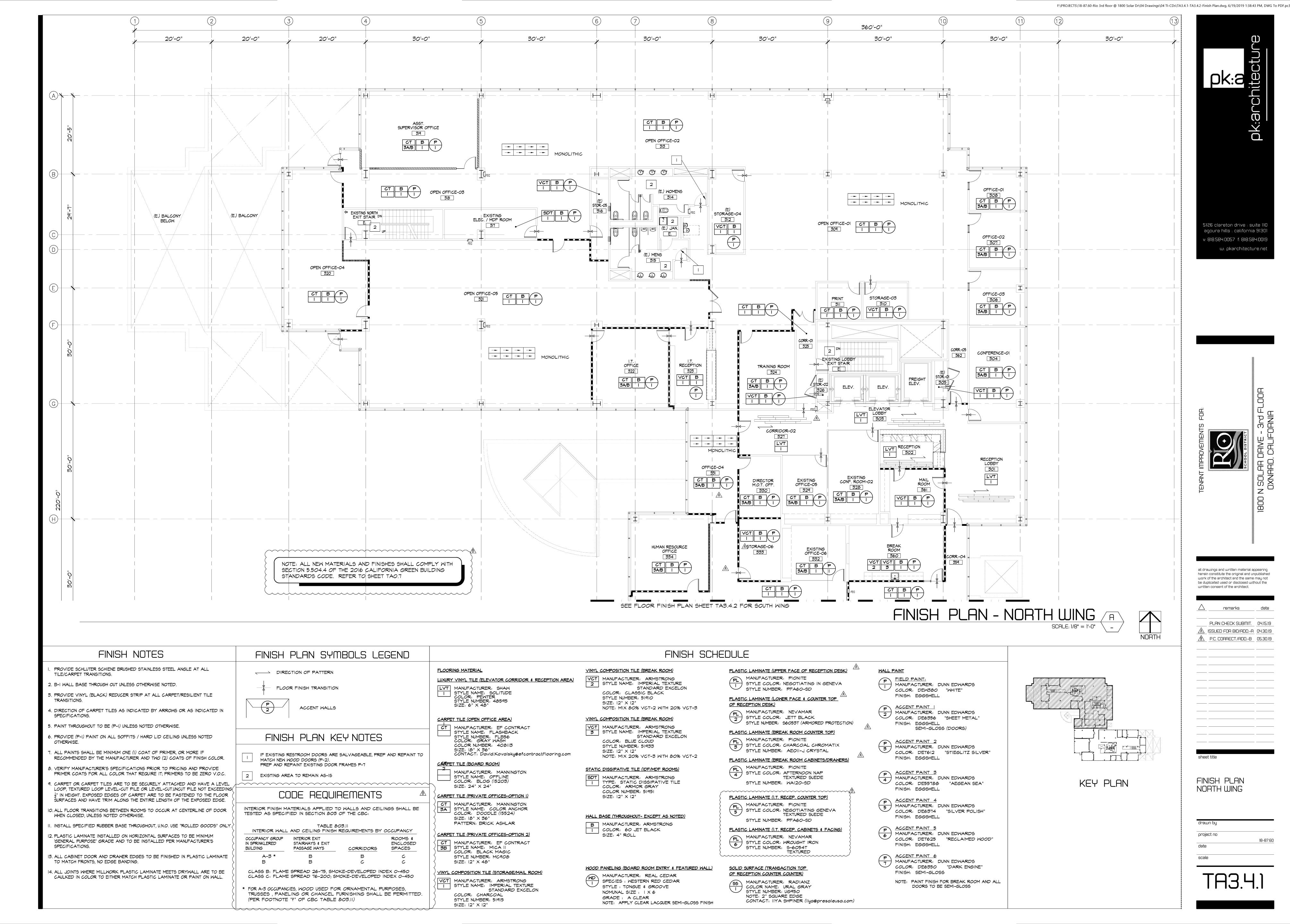
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REFLECTED CEILING PLAN - SOUTH WING

> awn by Dject no

18-87.60 Be

S.E.EAT



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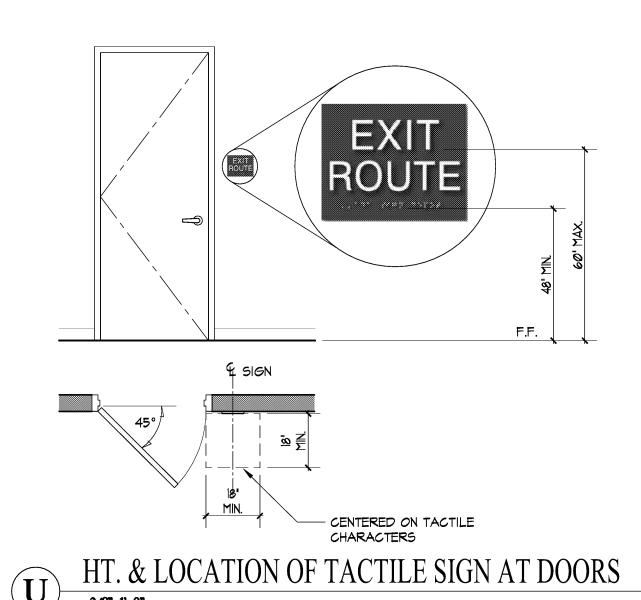
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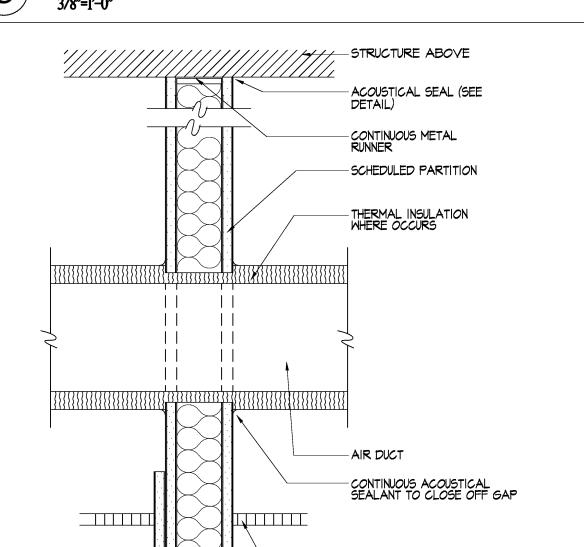
FINISH PLAN SOUTH WING

18-87.60

REMARKS

F.O.B. READER 1 CLOSER; ELECTRICALLY ACTIVATED VIA PUSH BUTTON RELEASE FROM RECEPTION - 302





PENETRATIONS OF ACOUSTICAL PARTITIONS BY DUCTWORK SHALL BE ACOUSTICALLY SEALED AS SHOWN. ANY GAP LARGER THAN 1/2" SHALL BE COVERED WITH GYPSUM BOARD, LAPPED A MINIMUM OF 2" AND SCREWED BEFORE USING ACOUSTICAL SEALANT. DUCT PENETRATION OF SOUND PARTITION

-CEILING AS SCHEDULED

- ALL HARDWARE FINISH TO MATCH 626 SATIN CHROME FINISH.
- INTERIOR DOOR FRAMES TO BE "TIMELY" STEEL FRAME IN PRE-FINISH BLACK COLOR.
- INTERIOR WOOD DOORS TO BE SOLID CORE PAINT GRADE FINISH DOORS, UNLESS NOTED OTHERWISE. F. DOOR SUPPLIER TO VERIFY DOOR UNDERCUT DIMENSIONS WITH FLOOR FINISH, DOOR BOTTOM AND

DOOR AND HARDWARE NOTES

- THRESHOLD REQUIREMENTS. . RE-USE EXISTING SALVAGED DOORS WHERE POSSIBLE AND ONLY IF REPLACEABLE WITH "CORBIN
- RUSSWIN" HARDWARE (NO SUBSTITUTION ALLOWED). ALL LOCKSETS AND CYLINDERS ON DOORS SHALL BE PROVIDED W/ REMOVABLE CYLINDERS.
- EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- 8. PROVIDE DOOR STOPS AT ALL DOORS OF A TYPE AS NEEDED.

60 INCHES ABOVE THE WALKING SURFACE.

- 9. VERIFY AND CONFIRM THE DIRECTION OF SWING FOR ALL DOORS ON THE FLOOR PLANS.
- 10. ALL DOOR FRAMES SHALL HAVE SILENCER BUTTONS EXCEPT WHERE SEALS ARE PROVIDED.
- THE EXTERIOR FLOOR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. (1133B.2.4.1)
- SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. EACH PANE OF SAFETY GLAZING INSTALLED IN HAZARDOUS LOCATIONS SHALL BE IDENTIFIED BY A MANUFACTURER'S DESIGNATION SPECIFYING WHO APPLIED THE DESIGNATION. THE MANUFACTURER OR INSTALLER AND THE SAFETY-GLAZING STANDARD. THE FOLLOWING SHALL BE CONSIDERED

MAXIMUM EFFORT TO OPERATE EXTERIOR AND INTERIOR DOORS SHALL NOT EXCEED 5 POUNDS, WITH

SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSED OF SAFETY GLAZING. GLAZING IN: (CBC, SEC

2406) a. SWING DOORS. b. FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN 24 INCHES ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A

CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN

- THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 0.50" IN HEIGHT. 0.75" IN HEIGHT FOR SLIDING DOORS SERVING DWELLING UNITS (CBC, SEC. 1008.1.7)
- DOORS SHALL NOT PROJECT MORE THAN 7" INTO THE REQUIRED CORRIDOR WIDTH OR AT LANDINGS WHEN FULLY OPENED. AND NOT MORE THAN 50% IN ANY POSITION. (CBC, SEC. 1008.4)
- EVERY REQUIRED EXIT DOORWAY SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES, SHALL HAVE A MINIMUM CLEAR OPENING OF 32 INCHES, AND SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND 6 FEET & INCHES IN HEIGHT. (CBC SEC. 1133B.2.2)
- THE MAXIMUM WIDTH OF A SWINGING EXIT DOOR LEAF SHALL BE 48" NOMINAL.
- EXIT DOOR SHALL BE SIDE-HINGED SWIINGING TYPE
- T INDICATES TEMPERED GLASS.

DOOR KEYNOTES

- (1) MOUNT F.O.B. READER NO HIGHER THAN 48" FROM FINISHED FLOOR.
- FILL IN VOID AT DOOR HEAD ABOVE AS REQUIRED TO MATCH EXISTING PER NEW DOOR HEAD HEIGHT.
- EXIT STAIRWAY DOORS SHALL BE PROVIDED WITH ELECTRONIC LATCH PANIC DEVICE WITH DEFAULT UNLOCK BY SIGNAL FROM ALARM CONTROL OR POWER FAILURE.

HARDWARE GROUPS

NOTE: SEE HARDWARE LIST ON THIS SHEET FOR SPECIFIED ITEMS. (NOT IN CONTRACT) EXTERIOR EXIT DOOR: CYLINDRICAL LOCKSET, HINGES, CLOSER, SEALS, EXTERIOR DOOR BOTTOM, & STOP.

- 2. INTERIOR OFFICE: CYLINDRICAL PASSAGE SET, HINGES, \$
- INTERIOR OFFICE: CYLINDRICAL OFFICE LOCKSET, HINGES, & STOP. SEE REMARKS WHERE REQUIRED TO HAVE ELECTRIFIED LOCKS FOR F.O.B. ACCESS.
- 4. INTERIOR STORAGE: CYLINDRICAL STORAGE LOCKSET, HINGES, & STOP.
- 4.1 INTERIOR DOUBLE DOOR (STORAGE ROOM): CYLINDRICAL STORAGE LOCKSET, HINGES, MANUAL $\overline{
 hangle}$ FLUSH BOLTS TOP & BOTTOM & STOP.
- 5. INTERIOR RESTROOM (MEN'S): PUSH PLATE/DOOR PULL, CLOSER, KICK PLATE (BOTH SIDES OF DOOR) \$ STOP.
- 6. INTERIOR RESTROOM (WOMEN'S): CYLINDRICAL PASSAGE SET, HINGES, CLOSER, SEALS, 1/2" THRESHOLD, KICK PLATES (BOTH SIDES OF DOOR) & STOP.
- INTERIOR DOUBLE DOOR: CYLINDRICAL CLASSROOM LOCKSET ON ACTIVE LEAF ONLY, HINGES, CLOSERS, COORDINATOR, AUTO FLUSH BOLTS TOP & BOTTOM, DUST PROOF STRIKE, ASTRAGAL, SEALS, & STOPS. SEE REMARKS FOR THRESHOLD AND DOOR BOTTOMS.
- INTERIOR DOUBLE DOORS (BOARD ROOM): OFFICE LOCK WITH MATCHING LEVER ON EXTERIOR OF ACTIVE LEAF, PANIC DEVICE ON ACTIVE LEAF, RIM LATCHING WITH STRIKE ON INACTIVE LEAF, HINGES, CLOSERS, COORDINATOR, AUTO FLUSH BOLTS TOP & BOTTOM, DUST PROOF STRIKE, ASTRAGAL, THRESHOLD, SOUND SEALS, \$ STOPS. SEE DETAIL L-TA6.2 FOR THRESHOLD AND DOOR BOTTOMS.
- INTERIOR SOUND CONTROL DOOR (BOARD ROOM): OFFICE LOCK WITH MATCHING LEVER ON EXTERIOR SIDE, PANIC DEVICE, HINGES, CLOSERS, THRESHOLD, SOUND SEALS, & STOPS. SEE DETAIL L/TA6.2 FOR THRESHOLD AND DOOR BOTTOMS.
- D. INTERIOR SOUND CONTROL OFFICE DOOR: CYLINDRICAL OFFICE LOCKSET, HINGES, CLOSERS, THRESHOLD, SOUND SEALS, & STOPS. SEE REMARKS FOR THRESHOLD AND DOOR BOTTOMS.
- INTERIOR FIRE RATED EXIT DOOR: MORTISE LOCKSET, PANIC DEVICE, HINGES, CLOSERS, THRESHOLD, SMOKE SEALS, & STOPS. SEE REMARKS WHERE REQUIRED TO HAVE ELECTRIFIED LOCKS FOR F.O.B. ACCESS.

DOOR TYPES		
TYPE A SOLID CORE WOOD DOOR WITH PRE-FINISHED BLACK "TIMELY" ST FRAME. FIRE RATED ASSEMBLY W REQUIRED. PAINT GRADE FINISH: MANUFACTURER: DUNN EDWARDS COLOR: SHEET METAL / DE6356 PER SCHEDULE PAIR SOLID CORE WOOD DOOR WITH PRE-FINISHED BLACK "TIMELY" STEE PROVIDE ASTRAGAL, SEE DOOR TYL	SOLID PRE-F FRAME PAINT MANUF COLOR FINISH E TA6.2 SIM. P TA6.2 SIM. P TA6.2 TA6.2 SIM. F TA6.3 SIDE	GRADE FINISH: FACTURER: DUNN EDWARDS R: SHEET METAL / DE6356 R: SEMI-GLOSS 2'-O" 3'-O" V.I.F. 2 DOOR PULL R
ADDITIONAL DESCRIPTION PAINT GRADE FINISH: MANUFACTURER: DUNN EDWARDS	ANO! MOD	K TEMPERED GLASS WITH CLEAR DIZED FINISH ALUM. FRAME. PIFY/PROVIDE BOTTOM RAIL LOCK IF SIBLE
COLOR: SHEET METAL / DE6356 FINISH: SEMI-GLOSS		À
PER SCHED.		PER SCHED.
THE EN SCHEDULE		THE SCHEDULE F
SOLID CORE WOOD DOOR W/ 1/4" TH WITH PRE-FINISHED BLACK "TIMELY" FRAME.		HOLLOW METAL WITH PRE-FINISHED BLACK "TIMELY" STEEL FRAME. FIRE RATED ASSEMBLY AS REQUIRED.
PAINT GRADE FINISH: MANUFACTURER: DUNN EDWARDS COLOR: SHEET METAL / DE6356 FINISH: SEMI-GLOSS	(PAINT GRADE FINISH: MANUFACTURER: DUNN EDWARDS COLOR: SHEET METAL / DE6356 FINISH: SEMI-GLOSS
	HARDWARE I	LIST

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) (5) (6)	TYPE F HOLLOW METAL WITH PRE-FINISHED BLACK "TIMELY" STEEL FRAME. FIRE RATED ASSEMBLY AS REQUIRED.		
(PAINT GRADE FINISH: MANUFACTURER: DUNN EDWARDS		

DOOR

301

302

303

304

305

THICKNESS

1-3/4"

1-3/4"

MORTISE LOCKSETS	CORBIN RUSSWIN - ML2000 SERIES
CYLINDERS LOCKSETS	CORBIN RUSSWIN - CL3300 SERIES
LATCHSETS	

LEVERS CORBIN RUSSWIN - "LUSTRA" CORBIN RUSSWIN - ED4000 / ED5000 SERIES PANIC DEVICES

ROCKWOOD PRODUCTS; ASSA ABLOY ARCHITECTURAL DOOR SERIES

MCKINNEY PRODUCTS; ASSA ABLOY ARCHITECTURAL DOOR ACCESSORIES HINGES PEMKO PRODUCTS; ASSA ABLOY ARCHITECTURAL DOOR ACCESSORIES CLOSERS CORBIN RUSSWIN - DC6000 SERIES; SURFACE MOUNTED (HEAVY DUTY) CORBIN RUSSWIN - UNITROL SERIES; SURFACE MOUNTED (UNITROL)

MAN. FLUSH BOLTS ROCKWOOD PRODUCTS; ASSA ABLOY ARCHITECTURAL DOOR SERIES AUTO FLUSH BOLTS ROCKWOOD PRODUCTS; ASSA ABLOY ARCHITECTURAL DOOR SERIES ROCKWOOD PRODUCTS; ASSA ABLOY ARCHITECTURAL DOOR SERIES COORDINATOR GLYNN-JOHNSON - COR SERIES

PEMKO - NO. 345 A AT GLASS DOORS

PEMKO - NO. 2221 AV AT H.M. DOORS.

TRIMCO # KOO5O - 16", STAINLESS STEEL (BOTH SIDES OF DOOR)

DUST PROOF STRIKES GLYNN-JOHNSON - DP2 PEMKO - NO. 271-A AT INTERIOR WOOD DOORS THRESHOLDS PEMKO - NO. 158-A AT H.M. DOORS PEMKO - NO. 2727-A AT GLASS DOORS DOOR BOTTOMS

PEMKO - NO. 588 W PEMKO - NO. 350 AT SOUND DOOR CONDITIONS ASTRAGAL PEMKO - NO. 355 CV

306 1-3/4" | SOLID CORE | PAINT GRADE | 8'-0" I-3/4" | SOLID CORE | PAINT GRADE | 308 3'-O" ව'**-**0" I-3/4" | SOLID CORE | PAINT GRADE | 309 I-3/4" | SOLID CORE | PAINT GRADE | 310 1-3/4" | SOLID CORE | PAINT GRADE | SALVAGE DOOR IF POSSIBLE; REPLACE HARDWARE AS REQUIRED | SOLID CORE | PAINT GRADE | SALVAGE DOOR IF POSSIBLE; REPLACE HARDWARE AS REQUIRED 3|2 | SOLID CORE | PAINT GRADE 3|3 314 315 RELOCATED; PROVIDE BOTTOM DOOR RAIL LOCK IF POSSIBLE 316 1-3/4" 3'-O" | SOLID CORE | PAINT GRADE | | HOLLOW METAL | PAINT GRADE | 1-3/4" (1) F.O.B. READER STAIR SIDE; (FINISHED 318 | SOLID CORE | PAINT GRADE | 319 I-3/4" | SOLID CORE | PAINT GRADE | 320 | SOLID CORE | PAINT GRADE | 321 I**-**3/4" | SOLID CORE | PAINT GRADE | 322 8'-0" I-3/4" | SOLID CORE | PAINT GRADE | 323 1-3/4" | SOLID CORE | PAINT GRADE | PAIR 3'-0" \$ 324 8'-0" | SOLID CORE | PAINT GRADE | 7 | F.O.B. READER (1) 325 90 MIN. } 1) F.O.B. READER STAIR SIDE; 3'-O" | HOLLOW METAL | PAINT GRADE | STEEL FINISHED 326 | SOLID CORE | PAINT GRADE | STEEL SOLID CORE PAINT GRADE 328 EXISTING TO REMAIN 329 | SOLID CORE | PAINT GRADE F.O.B. READER (1 330 | SOLID CORE | PAINT GRADE 332 | SOLID CORE | PAINT GRADE | 3'-O" 8'-0" 1-3/4" 8'-0" 1-3/4" | SOLID CORE | PAINT GRADE | 8'-0" I-3/4" | SOLID CORE | PAINT GRADE | STEEL 8'-0" | I-3/4" | SOLID CORE | PAINT GRADE | I-3/4" | SOLID CORE | PAINT GRADE | 338 | SOLID CORE | PAINT GRADE SALVAGE DOOR IF POSSIBLE; REPLACE HARDWARE AS REQUIRED SOLID CORE PAINT GRADE SALVAGE DOOR IF POSSIBLE; REPLACE HARDWARE AS REQUIRED | SOLID CORE | PAINT GRADE 1-3/4" | SOLID CORE | PAINT GRADE | | SOLID CORE | PAINT GRADE 1-3/4" SOLID CORE PAINT GRADE ANODIZED RELOCATED; PROVIDE BOTTOM DOOR RAIL LOCK IF POSSIBLE 344 3'-O" HERCULITE ANODIZED RELOCATED (LOCK NOT REQUIRED IN CONFERENCE ROOM) PRE-(1) F.O.B. READER STAIR SIDE; \ 1-3/4" | HOLLOW METAL | PAINT GRADE | 90 MIN. STEEL FINISHED PRE-346 I-3/4" | SOLID CORE | PAINT GRADE | 8'-0" STEEL ALUM. 3'-O" ANODIZED 8'-10" HERCULITE RELOCATED; PROVIDE BOTTOM DOOR RAIL LOCK IF POSSIBLE 1-3/4" | SOLID CORE | PAINT GRADE | 1-3/4" | SOLID CORE | PAINT GRADE | 8'-O" | SOLID CORE | PAINT GRADE | | SOLID CORE | PAINT GRADE 352 | SOLID CORE | PAINT GRADE EXISTING TO REMAIN 354 B 3'-0" 8'-0" I-3/4" SOLID CORE PAINT GRADE I-3/4" SOLID CORE PAINT GRADE STEEL CLOSER; ELECTRICALLY ACTIVATED VIA PUSH BUTTON F.O.B. READER (1) RELEASE FROM RECEPTION - 302 I-3/4" | SOLID CORE | PAINT GRADE |

DOOR SCHEDULE

MATERIAL FINISH

FINISH

SOLID CORE PAINT GRADE

SOLID CORE PAINT GRADE

| SOLID CORE | PAINT GRADE

| SOLID CORE | PAINT GRADE

| SOLID CORE | PAINT GRADE |

I-3/4" | SOLID CORE | PAINT GRADE |

1-3/4" | SOLID CORE | PAINT GRADE |

HERCULITE

8'-0"

3'-0" 8'-10"

| SOLID CORE | PAINT GRADE |

FIRE HARDWARE

RATING GROUP



KICK PLATES

VIEW OF ENTRY TO BOARD ROOM



ANODIZED

VIEW OF FEATURED WALL AT BOARD ROOM

CLOSER; ELECTRICALLY ACTIVATED VIA PUSH BUTTON

F.O.B. READER (1) RELEASE FROM RECEPTION - 302

EXISTING TO REMAIN





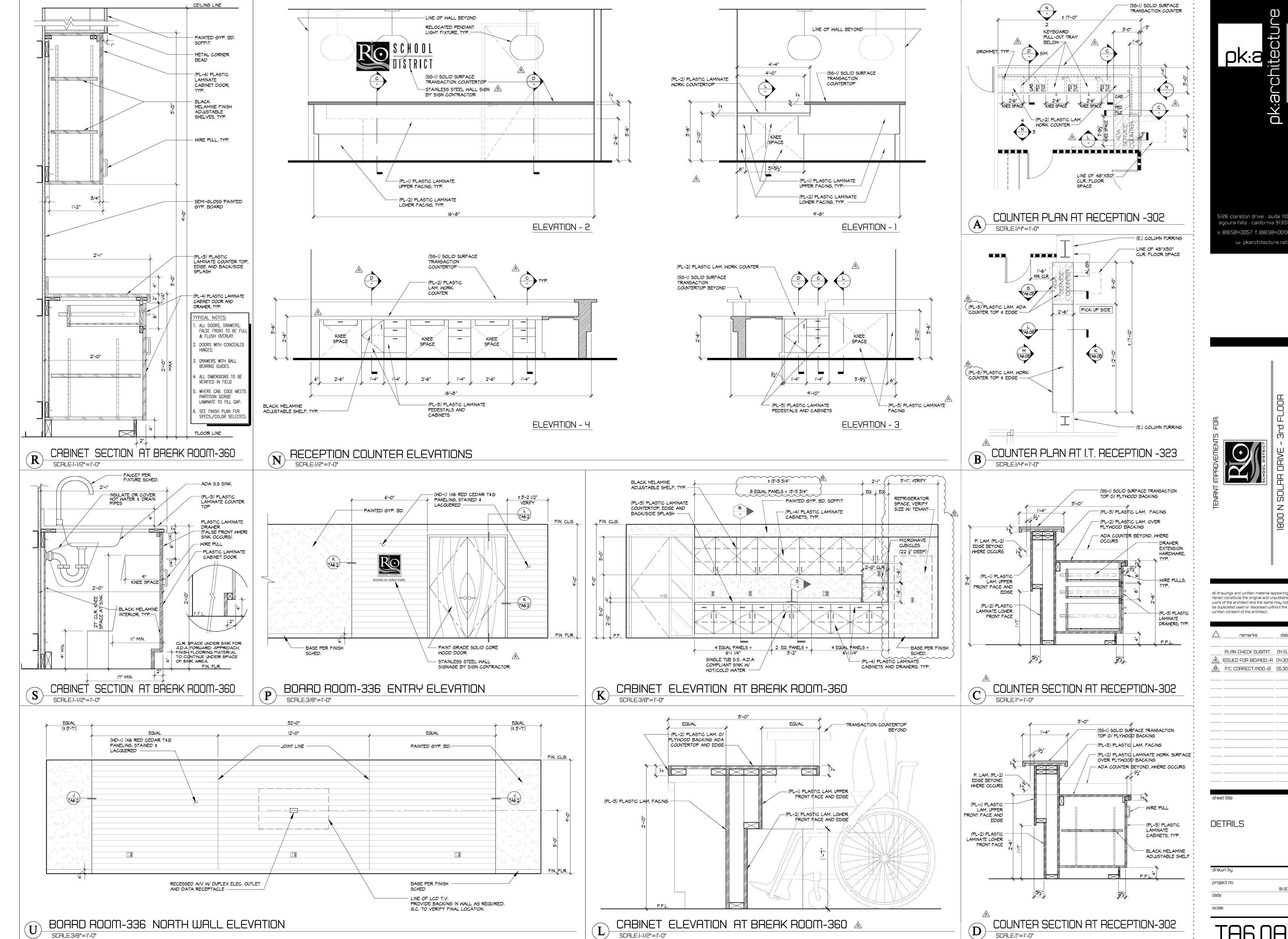
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DOOR SCHEDULE

& DETAILS

TA5.0



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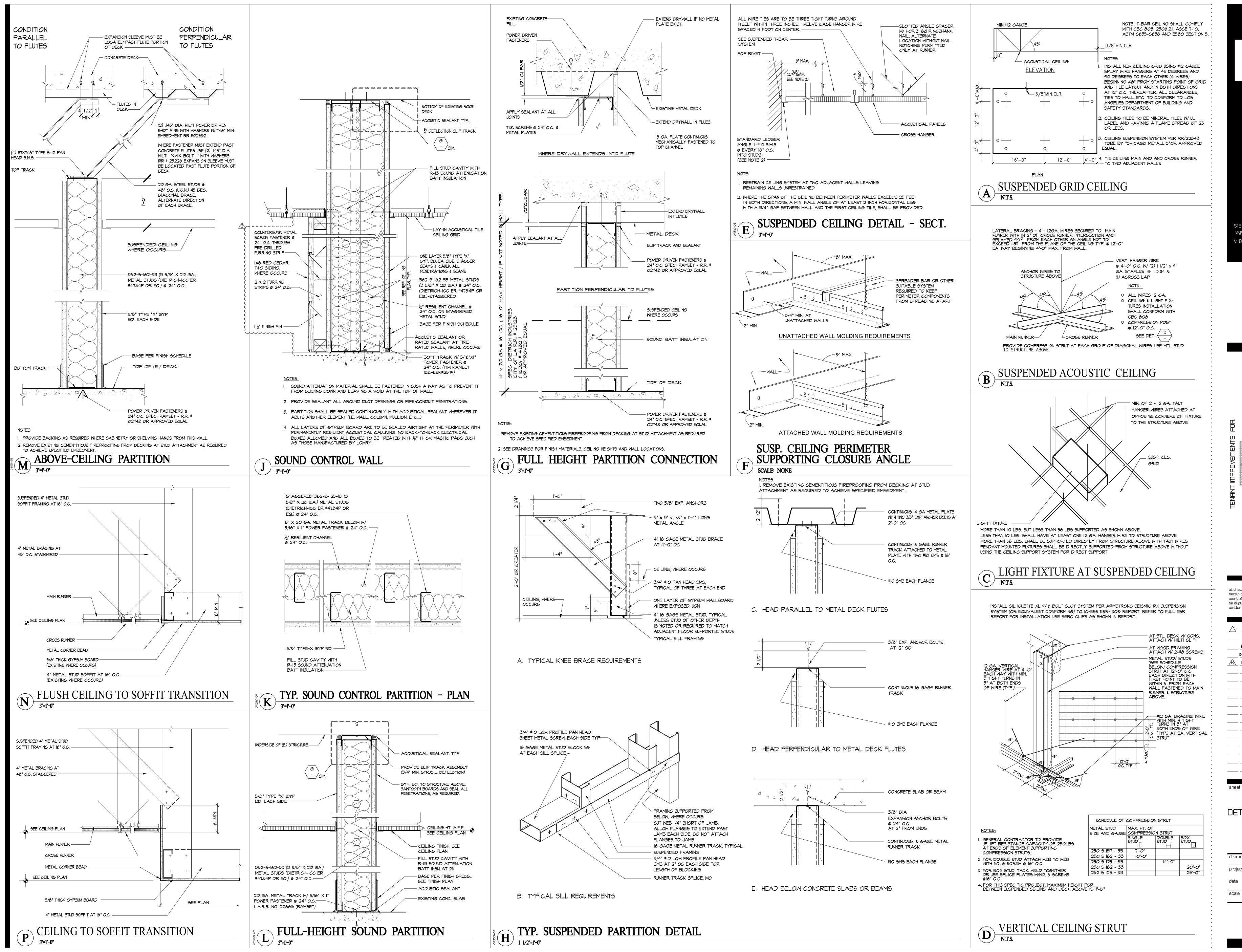
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DETAILS

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