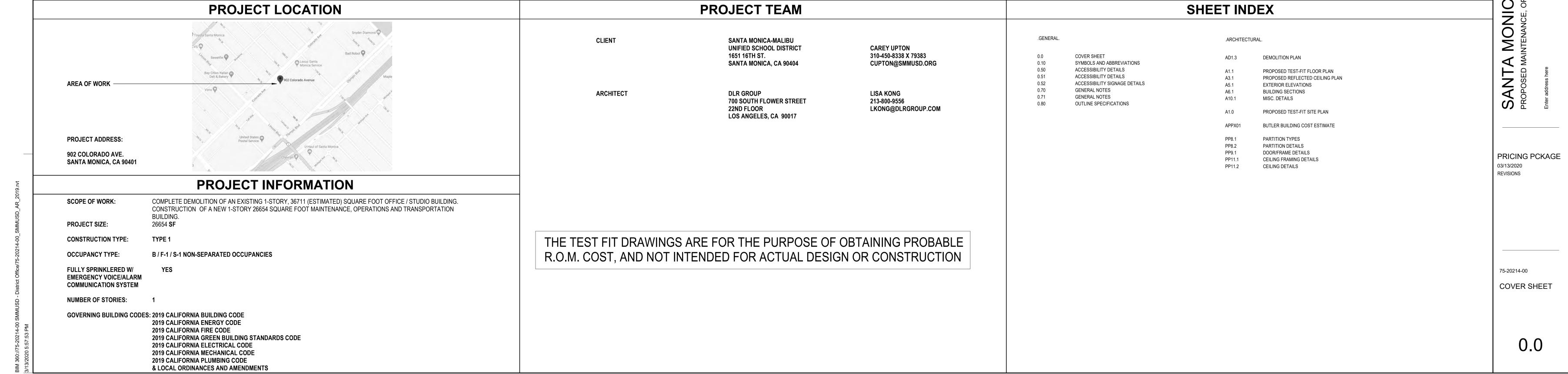
# SANTA MONICA MALIBU UNIFIED SCHOOL DISTRICT

PROPOSED MAINTENANCE, OPERATIONS AND TRANSPORTATION BUILDING

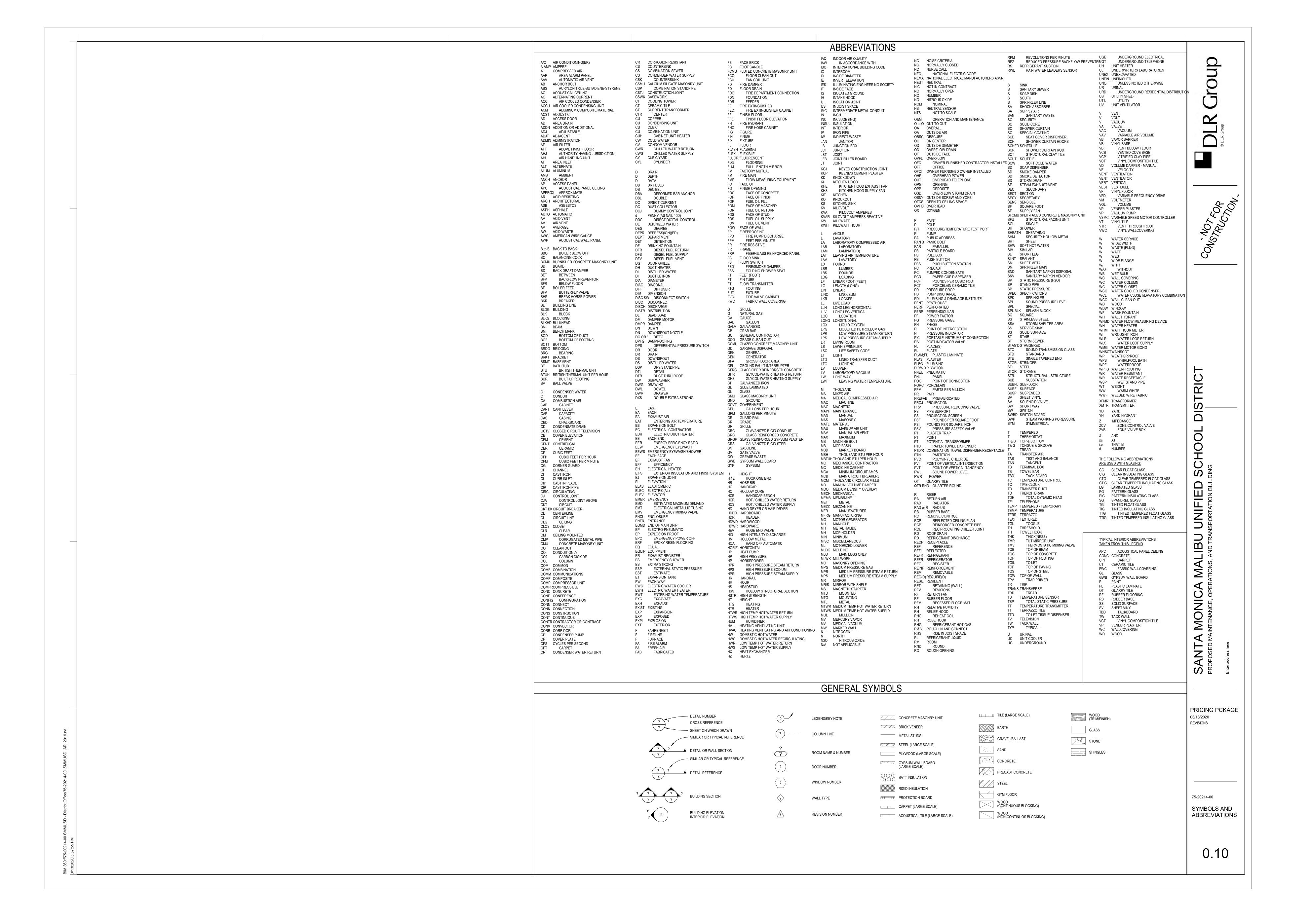
> 902 COLORADO AVE. SANTA MONICA, CA 90401

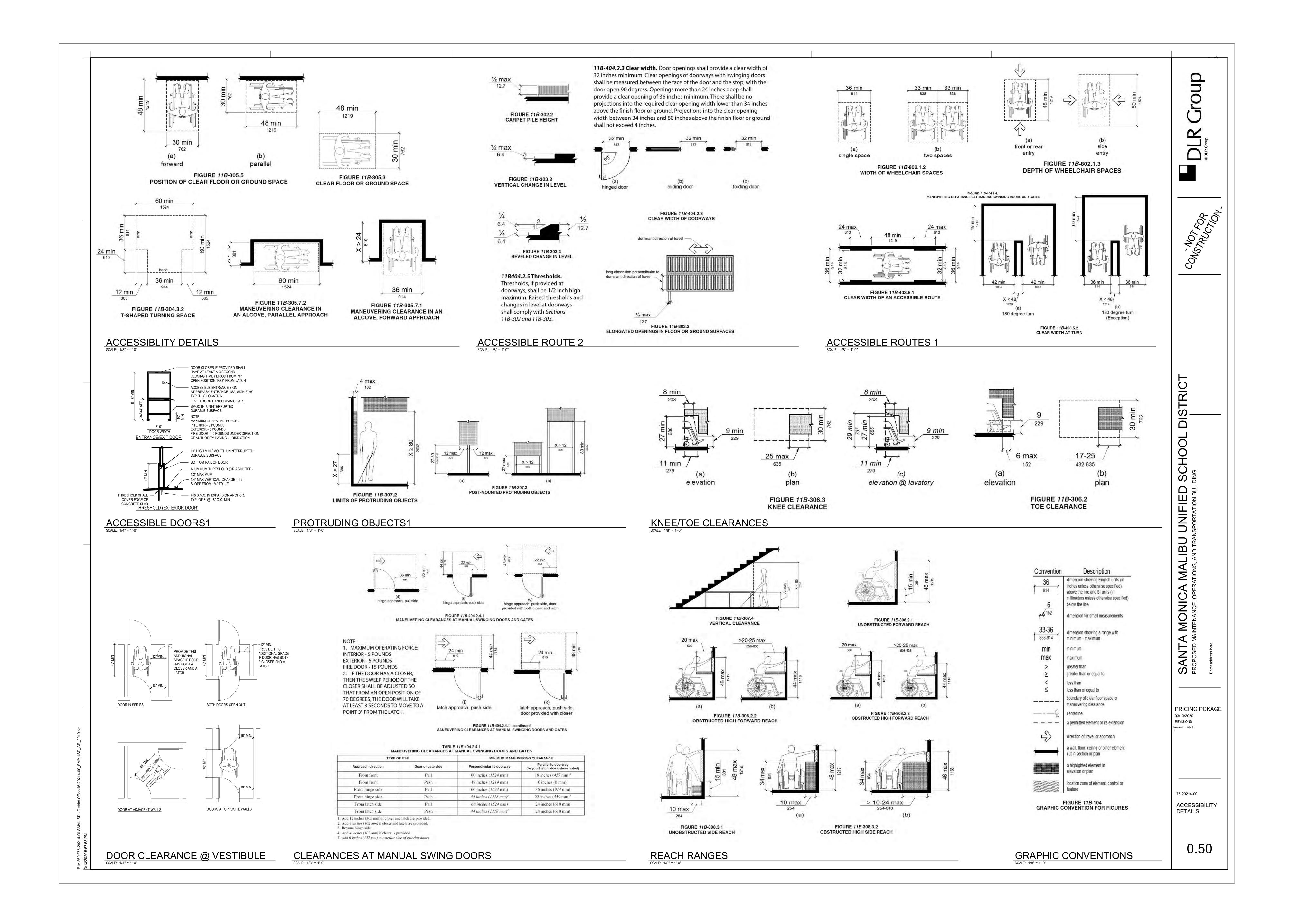
PRICING PLANS

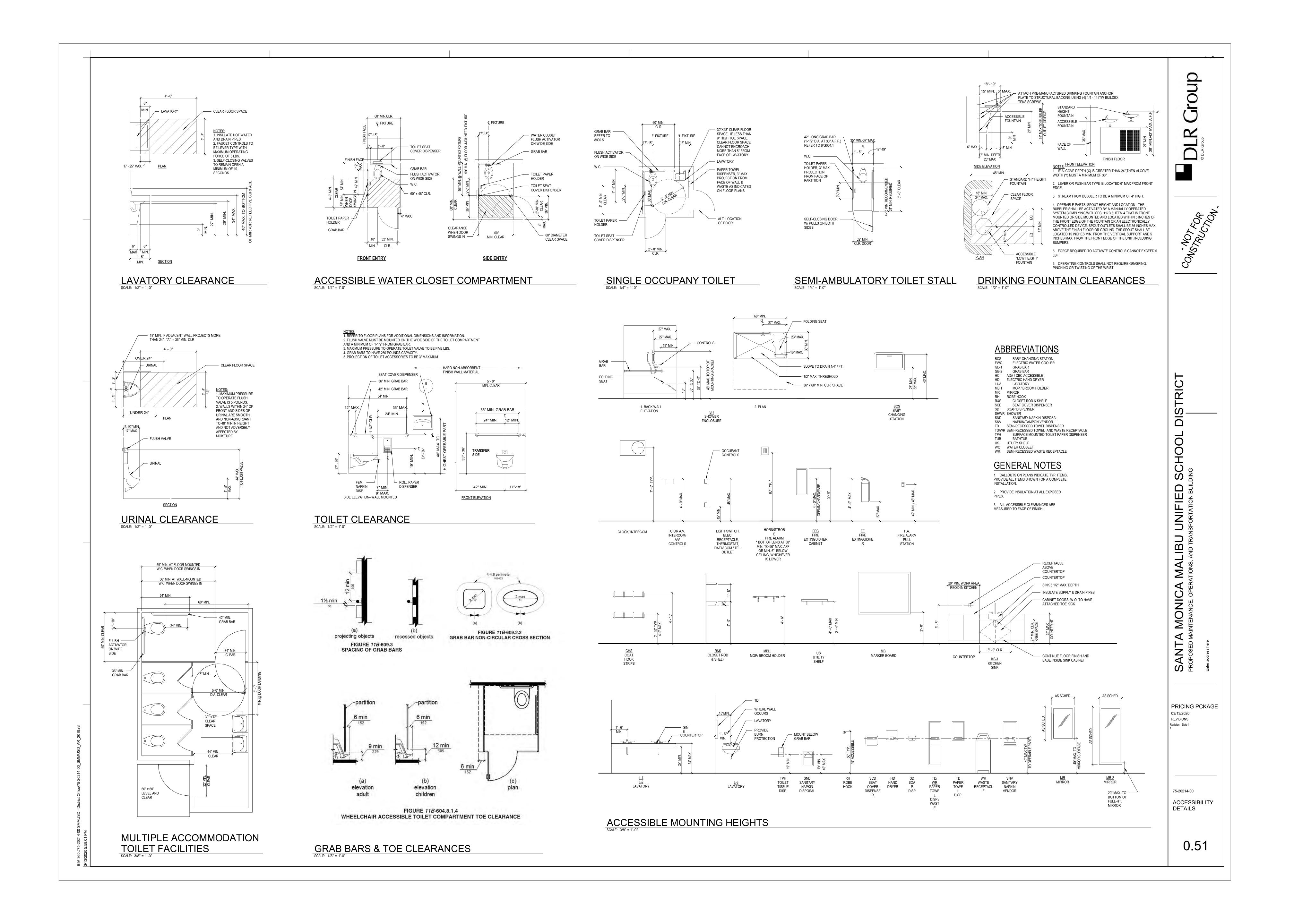
03/13/2020



MALIBU UNIFIED MONICA







PRICING PCKAGE 03/13/2020 REVISIONS

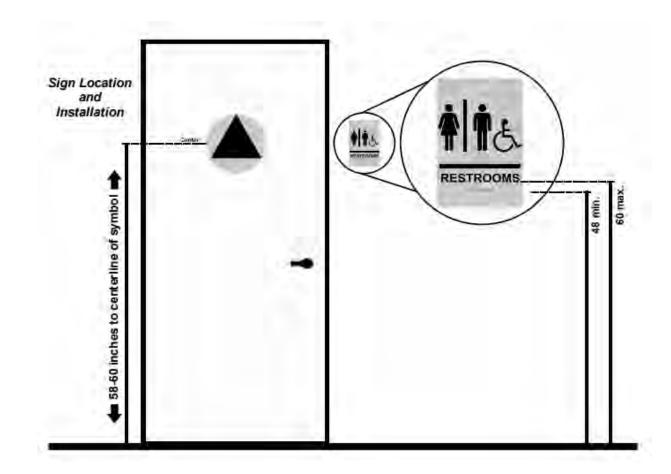
75-20214-00 ACCESSIBILITY

SIGNAGE DETAILS

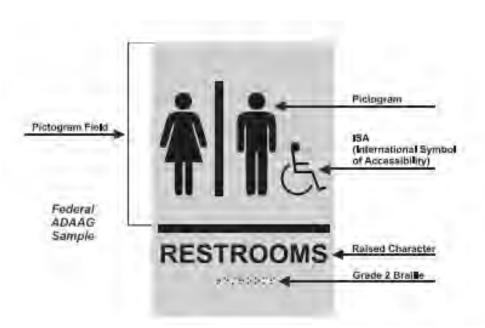
Men's restrooms are identified by a 1/4" thick equilateral triangle with 12" long edges and the vertex pointing up. The color of the symbol must contrast with that of the door. (CBC 11B-

Women's restrooms are identified by a 1/4" thick circle with a 12" diameter. The color of the symbol must contrast with that of the door. (CBC 11B-703.7.2.6.2)

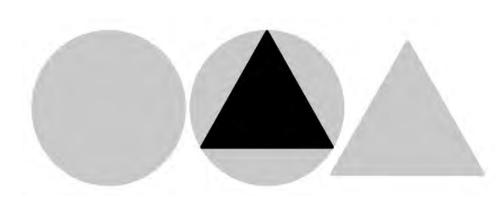
Unisex restrooms are identified by the designated 12" circle with the designated 12" triangle superimposed upon it. The vertices of the triangle shall be located 1/4 inch maximum from the edge of the circle. The color of the triangle must contrast with that of the circle which must contrast with the color of the door. (CBC 11B-703.7.2.6.3) (see Graphic Aid 1 below) There are requirements for the edge detailing of these tactile symbols. (CBC 11B-703.7.2.6.4)



RESTROOM DOOR AND WALL SIGNAGE MOUNTING



RESTROOM WALL SIGNAGE



RESTROOM DOOR TACTILE SIGNAGE

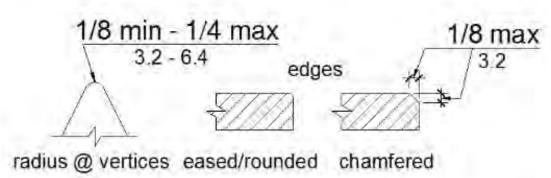
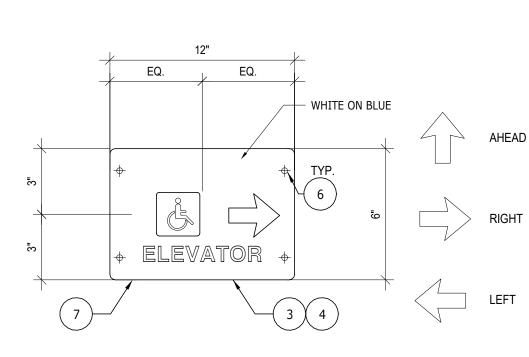


FIGURE 11B-703.7.2.6.4 EDGES AND VERTICES ON GEOMETRIC SYMBOLS

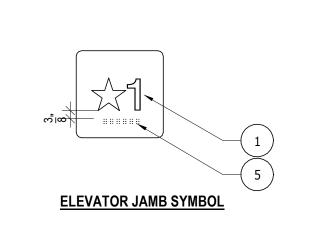
RESTROOM DOOR TACTILE SIGNAGE REQUIREMENTS

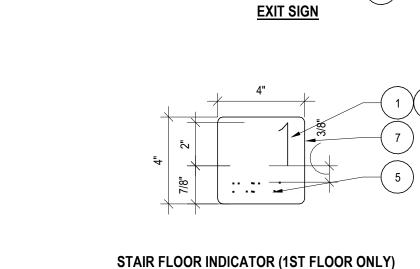
#### CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH (0.794 mm) MINIMUM AND SHALL BE SANS SERIFUPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEE NOTE 5 BELOW)

- 2 CHARACTER SIZE: RAISED CHARACTERS, SHALL BE MINIMUMOF 5/8 INCH (15.9 mm) AND MAXIMUM OF 2 INCH(51mm) HEIGHT. 1117B.5.5.2
- FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH PER FEDERAL STANDARD 595B.1117B.8.1.1.
- PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.
- BRAILLE: CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54mm) ON CENTER ON EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS, MEASURED IN THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST \COLUMN OF DOTS IN SECOND CELL. DOTS SHALL BE RAISED MINIMUM OF 1/40 INCH(0635 mm) ABOVE BACKGROUND.
- ATTACH SIGN USING FLATHEAD COUNTERSUNK SCREW TOSOLID BACKING & ADHESIVE TO BACK.
- PLATE OF 1/8 INCH THICK PHOTO SENSITIZED ACRYLIC ETCHED TO FORM A SINGLE PLAQUE. SIGNS WILL BE (2) COLOR SIGN WITH LIGHT BACKGROUND & DARK CHARACTERS. COLORS TO BE DETERMINED BY ARCHITECT PRIOR TO INSTALLATION.
- 8 ALL LOCATIONS OF SIGNAGE SHALL BE REVIEWED BY OWNER BEFORE INSTALLATION.



**ELEVATOR DIRECTIONAL SIGNAGE** 





not an

EXIT ONL

**EXIT ONLY (EO)** 

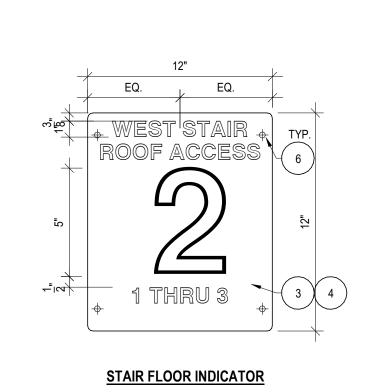


TABLE 11B-703.5.5

VISUAL CHARACTER HEIGHT

HORIZONTAL VIEWING DISTANCE

less than 72 inches (1829 mm)

72 inches (1829 mm) and greater

less than 180 inches (4572 mm)

180 inches (4572 mm) and greater

less than 21 feet (6401 mm)

21 feet (6401 mm) and greater

11B-703.1 GENERAL. SIGNS SHALL COMPLY WITH SECTION 11B-703. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS,

11B-703.1.1 PLAN REVIEW AND INSPECTION. SIGNS AS SPECIFIED IN SECTION

11B-703, OR IN OTHER SECTIONS OF THIS CODE, WHEN INCLUDED IN THE

CONSTRUCTION OF NEW BUILDINGS OR FACILITIES, OR WHEN INCLUDED, ALTERED OR REPLACED DUE TO ADDITIONS, ALTERATIONS OR RENOVATIONS

11B-703.1.1.1 PLAN REVIEW. PLANS, SPECIFICATIONS OR OTHER

SHALL COMPLY WITH SECTIONS 11B- 703.1.1.1 AND 11B-703.1.1.2.

CHARACTERS ARE IN COMPLIANCE WITH THESE REGULATIONS.

TO EXISTING BUILDINGS OR FACILITIES, AND WHEN A PERMIT IS REQUIRED,

INFORMATION INDICATING COMPLIANCE WITH THESE REGULATIONS SHALL

BE SUBMITTED TO THE ENFORCING AGENCY FOR REVIEW AND APPROVAL.

11B-703.1.1.2 INSPECTION. SIGNS AND IDENTIFICATION DEVICES SHALL BE

FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY THE ENFORCING

AGENCY PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY

PER CHAPTER 1, DIVISION II, SECTION 111, OR FINAL APPROVAL WHERE NO CERTIFICATE OF OCCUPANCY IS ISSUED. THE INSPECTION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFICATION THAT BRAILLE DOTS AND CELLS ARE PROPERLY SPACED AND THE SIZE, PROPORTION AND TYPE OF RAISED

ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE

FIGURE 11B-703.6.1 PICTOGRAM FIELD

MINIMUM CHARACTER HEIGHT

 $^{5}I_{8}$  inch (15.9 mm)

 $l_8$  inch (15.9 mm), plus  $l_8$  inch (3.2 mm) per foot (305)

2 inches (51 mm)

mm) of viewing distance above 72 inches (1829 mm)

2 inches (51 mm), plus <sup>1</sup>/<sub>8</sub> inch (3.2 mm) per foot (305

mm) of viewing distance above 180 inches (4572 mm)

3 inches (76 mm), plus <sup>1</sup>/<sub>8</sub> inch (3.2 mm) per foot (305

mm) of viewing distance above 21 feet (6401 mm)

3 inches (76 mm)

centered on

18 min

FIGURE 11B-703.4.2 LOCATION OF TACTILE SIGNS AT DOORS

HEIGHT TO FINISH FLOOR OR

GROUND FROM BASELINE OF CHARACTER

40 inches (1016 mm)

than or equal to 70 inches (1778 mm)

Greater than 70 inches (1778 mm) to less than or equal to

120 inches (3048 mm)

greater than 120 inches (3048 mm)

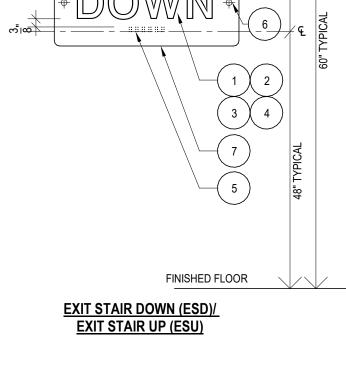
**LIBRARY** 

FIGURE 11B-703.2.5

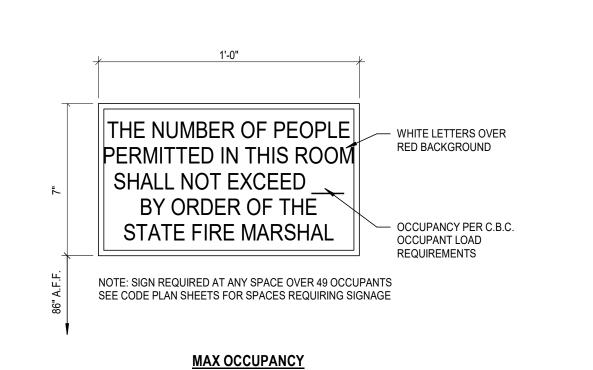
HEIGHT OF RAISED CHARACTERS

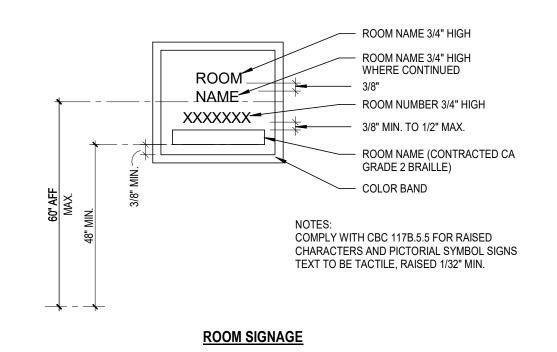
tactile characters

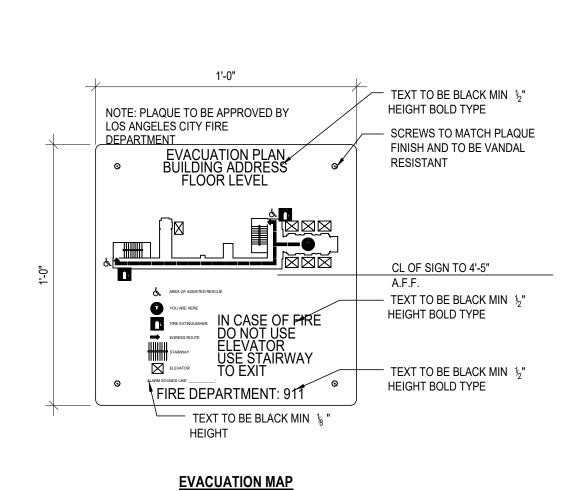
**EXIT ROUTE (ER)** 



**EXIT SIGNAGE** 







TYPICAL SIGNAGE

SCALE: 3" = 1'-0"

**AREA OF REFUGE** 

TACTILE LETTERS RAISED -

NON-GLARE FINISH

CA GRADE 2

INTERNATIONAL SYMBOL OF

ACCESSIBLITY 'ISA'

STANDARD 595B

WHITE FIGURE AND BORDER -

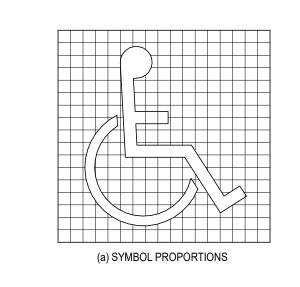
SHALL BE EQUAL TO COLOR

NO. 15090 IN FERDERAL

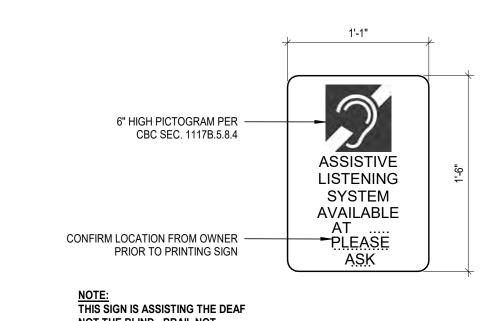
ON BLUE BACKGROUND. BLUE

CONTRACTED BRAILLE









NOT THE BLIND - BRAIL NOT

INTERNATIONAL SYMBOL OF ACCESSIBILITY ASSISTIVE LISTENING SYSTEM 'ALS' 0.52

TYPICAL RESTROOM SIGNAGE

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesive 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 and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Cibaralaga	90

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

TABLE 5.504.4.2 SEALANT VOC LIMIT and Less Exempt Compounds in Grams per Liter	
SEALANTS	CURRENT VOC LIMIT
	250
	760
roof	300

Less Water

Architectural	250
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural Nonporous Porous	250 775
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.

TABLE 5.504.4.3

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS<sup>2,3</sup>

Grams of VOC per Liter of Coating,

COATING CATEGORY	CURENT LIMIT
Flat coatings	50
Nonflat coatings	100
Nonflat-high gloss coatings	150
SPECIALTY COATINGS	
Aluminum roof coatings	400
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire resistive coatings	350
Floor coatings	100
Form-release compounds	250
Graphic arts coatings (sign paints)	500
High temperature coatings	420
Industrial maintenance coatings	250
Low solids coatings <sup>1</sup>	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	500
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Rust preventative coatings	250
Shellacs	335
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	340

The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
 Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

TABLE 5,504,4.5
FORMALDEHYDE LIMITS¹
Maximum Formaldehyde Emissions in Parts per Million

PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard <sup>2</sup>	0.13

California Code of Regulations, Title 17, Sections 93120 through 93120.12.

2. Thin medium density fiberboard has a maximum thickness of \$\sqrt{1}\_{16}\$ inch (8 mm).

#### CAL GREEN NOTES

ALL NEW LIGHTING SHALL COMPLY WITH THE FOLLOWING:
A. INTERIOR AND EXTERIOR LIGHTING SHALL BE INSTALLED SUCH THAT ZERO DIRECT BEAM ILLUMINANCE SHALL LEAVE THE BUILDING SITE.
B. ALL NEW EXTERIOR ILLUMINANCE SHALL BE SCHEDULED OR BE CUTOFF ILLUMINANCE AS DEFINED IN SECTION 142(B) OF THE CALIFORNIA ENERGY CODE.
C. NEW INTERIOR LIGHTING SHALL BE CONTAINED WITHIN EACH SOURCE.
D. NO MORE THAN .01 HORIZONTAL LUMEN FOOTCANDLES SHALL ESCAPE 15 FEET BEYOND THE SITE

BOUNDARY.

E. ALL NEW EXTERIOR LIGHTING SHALL HAVE CONTROLS THAT AUTOMATICALLY TURN OFF OR LOWER LIGHT LEVELS DURING INACTIVE PERIODS FROM DUSK TO DAWN (5.106.8, 10.106.8)

NEW RESIDENTIAL GRADE APPLIANCES PROVIDED AND INSTALLED SHALL BE ENERGY STAR LABELED IF ENERGY STAR IS APPLICABLE TO THAT EQUIPMENT OR APPLIANCE (5.210.1)

SEPARATE SUBMETERS SHALL BE INSTALLED AS FOLLOWS:

A. FOR NEW BUILDINGS OR ADDITIONS IN EXCESS OF 50,000 SQ. FT. EACH INDIVIDUAL LEASED, RENTED OR OTHER TENANT SPACE WITHIN THE BUILDING PROJECTED TO CONSUME MORE THAN 100 GALS. PER DAY.

B. FOR NEW OR ADDED SPACES PROJECTED TO CONSUME MORE THAN 100 GALS. PER DAY.

B. FOR NEW OR ADDED SPACES PROJECTED TO CONSUME MORE THAN 100 GALS. PER DAY. (5.303.1.1, 10.303.1.1)

NEW PLUMBING FIXTURES AND FITTINGS SHALL NOT EXCEED THE MAXIMUM ALLOWABLE FLOW RATE SPECIFIED IN TABLE 5.303.2.3 (5.303.2.1)

WHEN NEWLY INSTALLED SHOWER FIXTURES ARE SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW OF ALL THE SHOWERHEADS SHALL NOT EXCEED THE MAXIMUM FLOW RATES SPECIFIED IN THE MAXIMUM ALLOWABLE FLOW RATE COLUMN CONTAINED IN TABLE 5.303.2.3 / TABLE 10.303.2.3 OR THE SHOWER SHALL BE DESIGNED TO ONLY ALLOW ONE SHOWERHEAD TO BE IN OPERATION AT A TIME. (5.303.3, 10.303.3)

SYSTEMS: DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING NEW

SYSTEMS. SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALL INCLUDE AT A MINIMUM,

AS APPLICABLE TO THE PROJECT: (5.410.4.2)

A. HVAC SYSTEMS AND CONTROLS

B. INDOOR AND OUTDOOR LIGHTING AND CONTROLS

C. WATER HEATING SYSTEMS

D. RENEWABLE ENERGY SYSTEMS

E. LANDSCAPE IRRIGATION SYSTEMS

WATER REUSE SYSTEMS

PROCEDURES: PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH INDUSTRY BEST PRACTICES AND APPLICABLE STANDARDS ON EACH SYSTEM AS DETERMINED BY THE BUILDING OFFICIAL (5.410.4.3)
 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 PROCEDURAL STANDARDS, OR ASSOCIATED AIR BALANCE COUNCIL NATIONAL STANDARDS, OR AS APPROVED BY THE BUILDING OFFICIAL. (5.410.4.3.1)
 ONLY A CITY CERTIFIED HAULER WILL BE USED FOR HAULING OF CONSTRUCTION WASTE. (5.408,

10.408)
 10. REPORTING: A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES. (5.410.4.4)
 11. FOR ALL NEW EQUIPMENT, AN OPERATION, COMMISSIONING & SYSTEMS MANUAL SHALL BE PROVIDED TO THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES. (5.410.4.5, 10.410.4.5)

ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC OR SHEETMETAL UNTIL THE FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT. (5.504.3)
 ARCHITECTURAL PAINTS AND COATINGS, ADHESIVES, CAULKS AND SEALANTS SHALL COMPLY WITH THE VOLATILE ORGANIC COMPOUND (VOC) LIMITS LISTED IN TABLES 5.504.4.1-504.4.3 (5.504.4.1, 5.504.4.3)
 A VOC CONTENT VERIFICATION CHECKLIST, SHALL BE COMPLETED AND VERIFIED PRIOR TO FINAL

INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING VOC CONTENT FOR ALL

APPLICABLE PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (5.504.4.4)

15. AEROSOL PAINTS AND COATINGS SHALL BE COMPLIANT WITH PRODUCTS-WEIGHTED MIR LIMITS FOR ROC AND OTHER TOXIC COMPOUNDS.

16. ALL NEW CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:

A. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM

B. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD PRACTICE FOR THE TESTING OF VOCS (SPECIFICATION 01350)

C. NSF/ANSI 140 AT THE GOLD LEVEL
D. SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGE GOLD. (5.504.4.4)
17. ALL NEW CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS
OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM. (5.504.4.4.1)
18. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1
19. NEW HARDWOOD, PLYWOOD, PARTICLE BOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE
WOOD PRODUCTS USED IN THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE
FORMALDEHYDE LIMITS LISTED IN TABLE 5.504.4.5. (5.504.4.5)
20. THE FORMALDEHYDE EMISSIONS VERIFICATION CHECKLIST, SHALL BE COMPLETED PRIOR TO FINAL

INSPECTION APPROVAL. THE MANUFACTURER'S SPECIFICATIONS SHOWING FORMAL DEHYDE

CONTENT FOR ALL APPLICABLE WOOD PRODUCTS SHALL BE READILY AVAILABLE AT THE JOB SITE AND BE PROVIDED TO THE FIELD INSPECTOR FOR VERIFICATION. (5.504.4.6)

21. 80% OF THE TOTAL AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH THE VOC LIMITS OR BE CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOOR SCORE PROGRAM. (5.504.4.6). PROVIDE DOCUMENTATION AS REQUIRED.

22. AN AIR FILTER WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8 OR HIGHER SHALL BE INSTALLED IN THE MECHANICAL SYSTEM FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY, AND SHALL BE LEVELED BY THE MANUFACTURER. (5.504.5.3)

23. DESIGNATED OUTDOOR SMOKING AREA SHALL BE AT LEAST 25 FEET FROM AN OUTDOOR AIR INTAKE

OR OPERABLE WINDOWS. (5.504.7)

24. THE BUILDING SHALL MEET OR EXCEED THE PROVISIONS FOR MECHANICAL VENTILATION OF CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, SECTIONS 1203 AND CHAPTER 14. (5.506.1)

25. BUILDINGS THAT USE DEMAND CONTROL VENTILATION SHALL HAVE CO2 SENSORS AND VENTILATION CONTROLS INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6, SECTION121(C). (5.506.2)

26. THE HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC OR HALONS. (5.508.1.1)

27. BUILDING ASSEMBLIES AND COMPONENTS TO HAVE STC VALUES DETERMINED IN ACCORDANCE WITH

ASTM E90 AND ASTM E413, OR OUTDOOR-INDOOR SOUND TRANSMISSION CLASS (OITC) DETERMINED IN ACCORDANCE WITH ASTM E1332, USING EITHER THE PRESCRIPTIVE OR PERFORMANCE METHOD IN SECTION 5.507.4.1 OR 5.507.4.2.

28. WALL AND ROOF-CEILING ASSEMBLIES EXPOSED TO THE NOISE SOURCE MAKING UP THE BUILDING ENVELOPE SHALL HAVE EXTERIOR WALL AND ROOF CEILING ASSEMBLIES MEETING THE COMPOSITE STC RATING OF AT LEAST 50 OR COMPOSITE OITC OF NO LESS THAN 40, WITH EXTERIOR WINDOWS OF A MINIMUM STC OF 40 OR OITC OF 30 IN THE LOCATIONS DESCRIBED IN ITEMS 1 AND 2 OF SECTION

29. BUILDINGS EXPOSED TO A NOISE LEVEL OF 65 dB Leq-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 WINDOW OF A MINIMUM STC OF 40 (OR OITC 30).
 30. FOR BUILDINGS LOCATED AS DEFINED IN SECTION 5.507.4.1 OR 5.507.4.1.1, WALL AND ROOF-CEILING ASSEMBLIES MAKING UP THE BUILDING ENVELOP SHALL BE CONSTRUCTED TO PROVIDE AN INTERIOR NOISE ENVIRONMENT ATTRIBUTABLE TO EXTERIOR SOURCES THAT DOES NOT EXCEED AN HOURLY

EQUIVALENT NOISE LEVEL (Leq-1HR) OR 50 dBA IN OCCUPIED AREAS DURING ANY HOUR OF OPERATION

31. AN ACOUSTICAL ANALYSIS DOCUMENTING COMPLYING INTERIOR SOUND LEVELS SHALL BE PREPARED BY PERSONNEL APPROVED BY THE ARCHITECT OR ENGINEER OF RECORD.

32. A SYSTEM MANUAL AND SYSTEMS OPERATIONS TRAINING ARE REQUIRED:

A. ALL OPERATIONAL ASPECTS OF THE BUILDING SHALL BE DOCUMENTED WITHIN A SYSTEMS MANUAL. THIS SYSTEMS MANUAL SHALL BE DELIVERED TO THE OWNER OR REPRESENTATIVE AND FACILITIES OPERATOR. (5.410.2.5.1)
B. THE TRAINING OF THE APPROPRIATE MAINTENANCE STAFF FOR EACH EQUIPMENT TYPE AND / OR SYSTEM SHALL BE DOCUMENTED IN THE COMMISSIONING REPORT. (5.410.2.5.2)
C. FORM GRN 25 SHALL BE COMPLETED AND BE READILY AVAILABLE TO THE FIELD INSPECTOR

PRIOR TO FINAL APPROVAL.

33. A COMPLETE COMMISSIONING REPORT AND FORM GRN 26 (COMPLETED) SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND WILL BE READILY AVAILABLE TO THE FIELD INSPECTOR PRIOR TO FINAL APPROVAL. (5.410.2.6, 5.410.4.4)

34. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2

35. FOR LANDSCAPE AREAS OVER 2500 SQ. FT., PROVIDE A WATER BUDGET THAT CONFORMS TO THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO).

36. BUILDINGS ON SITE WITH 1,000 SQ. FT. OR MORE OF CUMULATIVE LANDSCAPE AREA SHALL HAVE SEPARATE METERS OR SUBMETERS FOR INDOOR AND OUTDOOR POTABLE USE.

SEPARATE METERS OR SUBMETERS FOR INDOOR AND OUTDOOR POTABLE USE.

37. BUILDINGS ON SITE WITH 1,000 SQ. FT. OR MORE OF CUMULATIVE LANDSCAPE AREA SHALL HAVE AUTOMATIC IRRIGATION CONTROLLERS THAT ARE EITHER WEATHER OR SOIL MOISTURE BASED.

38. NONABSORBENT INTERIOR FLOOR AND WALL FINISHES SHALL BE USED WITHIN AT LEAST TWO FEET AROUND AND PERPENDICULAR TO EXTERIOR ENTRIES AND / OR OPENINGS SUBJECT TO FOOT TRAFFIC. (5.407.2.2)

39. 100% OF EXCAVATED SOIL AND VEGETATION RESULTING FROM LAND CLEARING SHALL BE REUSED OR RECYCLED. (5.408.4)

TEMPORARY VENTILATION. PROVIDE TEMPORARY VENTILATION DURING CONSTRUCTION IN ACCORDANCE WITHE SECTION 121 (REQUIREMENTS FOR VENTILATION) OF THE CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6, AND CHAPTER 4 OF CCR, TITLE 8.
 REDUCE CONSTRUCTION WASTE BY RECYCLING OR SALVAGING FOR RE-USE A MINIMUM OF 65% OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH SECTION 5.408.1.1, 5.408.1.2 OR T.408.1.3; OR MEET THE LOCAL CITY OF GLENDALE CONSTRUCTION & DEMOLITION WASTE REDUCTION AND RECYCLING PLAN, ORDINANCE NO. 5895 WHICHEVER IS MORE STRINGENT

STRINGENT.

42. PROVIDE VERIFICATION OF UNIVERSAL WASTE ITEMS SUCH AS FLUORESCENT LAMPS AND BALLAST AND MERCURY CONTAINING THERMOSTATS AS WELL AS OTHER CALIFORNIA PROHIBITED UNIVERSAL WASTE MATERIALS ARE DISPOSED OF PROPERLY AND ARE DIVERTED FROM LANDFILLS.

43. VERIFICATION OF COMPLIANCE WITH CAL GREEN MAY INCLUDE CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION, INSPECTION REPORTS OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH SHOW SUBSTANTIAL CONFORMANCE.

#### POWER & DATA NOTES

ALL WORK PERFORMED BY ELECTRICAL CONTRACTOR SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, ORDINANCES AND ENERGY REQUIREMENTS, AND SHALL BE PERFORMED B DULY LICENSED ELECTRICIANS.
ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE POWER AND WIRING AND FOR ALL DISTRIBUTION FACILITIES TO THE DEMISED PREMISES, INCLUDING BUT NOT LIMITED TO PANELS, SWITCHES, BREAKERS, ETC., TO MEET ALL SPECIFIED REQUIREMENTS.
THE CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHT FIXTURES AND ELECTRICAL WORK AS SHOWN OR IMPLIED IN DRAWINGS AND NOTES.
THE ELECTRICAL CONTRACTOR SHALL PERFORM ALL CHOPPING, CUTTING AND DRILLING OF PARTITIONS AND FLOORS NECESSARY FOR THE PROPER INSTALLATION OF ALL ELECTRICAL WORK.
ALL BUSHINGS, SWITCHES, ELECTRICAL, TELECOMMUNICATIONS & DATA OUTLET DEVICES AND COVER PLATES, ETC.. SHALL BE "LEVITON" "DECORA SERIES" CONTROLS & ACCESSORIES. FINISH TO BE SPECIFIED. ALL COVER PLATES ARE "SCREW-LESS" TYPE. THE GENERAL CONTRACTOR WILL INSTALL

COVER PLATES FOR ALL SUCH DEVICES AFTER THE COMPLETION OF THE WALL, FLOOR & CEILING FINISHES, U.O.N. ALL DEVICES ARE TO BE INSTALLED LEVEL AND PLUMB. ALL MULTI-GANG SWITCH LOCATIONS TO BE "SCREW-LESS" TYPE COVERS.

U.O.N. ALL POWER & DATA OUTLETS LOCATED ON ANY SURFACES WITH S.S., ALUMINUM OR ANY METAL FINISHES SHALL BE S.S. FINISH (COMPLETE ASSEMBLY).

ALL TRADES TO INSPECT EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BIDS. CONTRACTOR TO NOTIFY DLR GROUP OF ANY DISCREPANCIES BETWEEN DRAWINGS AND SITE CONDITIONS.

ALL NEW "POKE-THRU" SLEEVE SPECIFICATIONS SHALL BE BY "HUBBELL" #PT7XC WITH MULTI SERVICE PEDESTAL FR80A DBC, U.O.N.

ANY UNDER DECK ELECTRICAL/COMMUNICATIONS FEEDS MUST BE EMT AND HELD TIGHT TO DECK.

CONTRACTOR TO PROVIDE RIGID CONDUIT THROUGHOUT.
 PROVIDE GFI OUTLETS WHERE POWER IS SPECIFIED AT WET AREAS.
 PROVIDE NEW ELECTRICAL SERVICE, (I.E. PANEL), TO ACCOMMODATE NEW ELECTRICAL CIRCUITING AS REQUIRED.
 ALL HIGH AND LOW VOLTAGE WIRING TO BE INSTALLED IN PROPERLY SIZED CONDUIT AS REQUIRED BY STATE AND LOCAL CODES.
 COMMUNICATION & ELECTRICAL OUTLETS TO BE INSTALLED AT LOCATIONS SHOWN BY DIMENSION ON DLR GROU POWER & COMMUNICATION PLANS - IF OUTLETS APEAR IN MIDDLE OF WALL, CONTRACTOR TO INSTALL CENTERED ON WALL. CONTRACTOR TO MARK ALL OUTLET LOCATIONS & HEIGHTS ON THE FLOOR SLAB. DLR GROUP TO APPROVE LAYOUT BEFORE COMMENCING INSTALLATION. ANY OUTLET INSTALLED WITHOUT DLR GROUP'S SIGNED APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO NOTIFY DLR GROUP (3) THREE DAYS PRIOR TO THE WALK-THRU OF THE LAID OUT SPACE.
 OUTLETS INDICATED AS BACK-TO-BACK SHALL BE INSTALLED STAGGERED. U.O.N.

3. ALL HIGH AND LOW VOLTAGE WIRING TO RUN CONCEALED IN WALLS, COLUMNS, FLOOR AND ABOVE

SUSPENDED CEILING, U.O.N.

ELECTRICAL CONTRACTOR SHALL REFER TO APPLIANCE AND EQUIPMENT SPECIFICATIONS ON CONSTRUCTION PLAN AND POWER & COMMUNICATIONS PLAN FOR DESCRIPTION OF EQUIPMENT WHICH WILL RECEIVE SEPARATE CIRCUITING OR SPECIAL OUTLETS AND FIELD SURVEY OWNER'S EXISTING EQUIPMENT FOR WIRING AND ELECTRICAL REQUIREMENTS FOR SAID EQUIPMENT.

ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES INCLUDING H.V.A.C. CONTRACTOR IN CONNECTION WITH SUSPENDED CEILING INSTALLATION AND MECHANICAL EQUIPMENT. H.V.A.C. CONTRACTOR SHALL DIRECT THIS CONTRACTOR TO PROVIDE ADEQUATE POWER AND CABLE REQUIREMENTS OF VARIOUS H.V.A.C. EQUIPMENT. ALL WIRING OF EQUIPMENT AND CONTROLS SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR.

CONTRACTOR TO COORDINATE INSTALLATION OF OVERRIDE SWITCHES (OR TIME CLOCKS) FOR MOTION

19. CONTRACTOR TO COORDINATE INSTALLATION OF OVERRIDE SWITCHES (OR TIME CLOCKS) FOR MOTION DETECTOR ACTIVATED LIGHTS IN CONFERENCE ROOMS, ASSEMBLY ROOMS AND OTHER PRESENTATION OR SPECIAL FUNCTION ROOMS. CONTRACTOR TO VERIFY WITH ARCHITECT EXACT MOUNTING LOCATIONS BEFORE THE COMMENCEMENT OF THE INSTALLATION.

20. CONTRACTOR TO PROVIDE ALL CEILING MOUNTED. SPEAKER STROBES WITH WHITE FINISH U.O.N. AND IN THE CENTER OF THE CEILING TILE.

21. ALL FLUORESCENT LIGHT FIXTURE LAMPS SHALL BE PER BUILDING STANDARD OR AS SPECIFIED, U.O.N.

22. 22. CONTRACTOR TO PROVIDE ALL LIGHTS AND EXIT SIGNS IN MECHANICAL ROOMS, STORAGE ROOMS, ETC. FOR CODE COMPLIANCE OF REQUIRED FOOT CANDLES.

CONTRACTOR TO PROVIDE MOTION DETECTORS THROUGHOUT U.O.N.
 24. CONTRACTOR TO SEPARATE SWITCHING / CIRCUITING AS REQUIRED AT NEW DEMISING PARTITIONS.
 ALL TELEPHONE WORK IS TO BE COORDINATED WITH TELEPHONE COMPANY REPRESENTATIVE AND TENANT'S TELEPHONE CONTRACTOR.
 WHERE TELEPHONE OR DATA OUTLETS ARE INDICATED, ELECTRICAL CONTRACTOR SHALL PROVIDE ONE SINGLE-GANG WALL BOX, (OR FLOOR BOX, AS REQUIRED) WITH 3/4" CONDUIT STUBBED UP 6" ABOVE THE CEILING, U.O.N. G.C. SHALL SUPPLY INTERFACE DEVICES AND COVER PLATES. INSTALLATION AND

SINGLE-GANG WALL BOX, (OR FLOOR BOX, AS REQUIRED) WITH 3/4" CONDUIT STUBBED UP 6" ABOVE THE CEILING, U.O.N. G.C. SHALL SUPPLY INTERFACE DEVICES AND COVER PLATES. INSTALLATION AND DEMOLITION OF ALL TELEPHONE AND DATA CABLING SHALL BE DONE BY THE TENANT'S OWN VENDOR. IF OUTLET IS INDICATED AS FUTURE, ELECTRICAL CONTRACTOR SHALL PROVIDE A BLANK COVER PLATE TO MATCH ELECTRICAL COVER PLATES. ALL TELEPHONE AND ELECTRICAL OUTLETS FOR TELEPHONE EQUIPMENT SHALL BE VERIFIED AND APPROVED BY TENANT'S TELEPHONE COMPANY AS WELL AS ALL CONDUIT SIZES AND LOCATIONS.

7. INSTALL LIGHT SWITCHES AT +38" A.F.F. AND WITHIN 6" OF DOOR JAMBS, U.O.N.

8. WHERE ONE (1) SWITCH ONLY IS INDICATED ON PLAN, CONTRACTOR SHALL PROVIDE ADDITIONAL SWITCHES AS REQUIRED IN ACCORDANCE WITH CBC TITLE 24 AND BEST TRADE PRACTICES. SUCH

SWITCHES SHALL BE LOCATED AS INDICATED ON PLAN, (WITHIN 6" OF DOOR JAMB, U.O.N.), AND GROUPED IN 1 SINGLE-GANG PLATE, "SCREW-LESS" TYPE. NO EXCEPTIONS.

29. THERMOSTATS SHALL BE INSTALLED AT +38" A.F.F. AND ADJACENT TO LIGHT SWITCHES (TYPICAL), U.O.N.

30. 30. INSTALL ALL WALL-MOUNTED TELEPHONE OUTLETS AT +48" A.F.F. (+48" A.F.F. FOR FRONT APPROACH ONLY) TO TOP OF DEVICE, AND ELECTRICAL AND DATA OUTLETS AT +18" A.F.F., U.O.N.

31. NEW POWER & COMMUNICATIONS OUTLETS AT WALLS WITH A COUNTERTOP WITH LOWER STORAGE AND DOORS TO BE VERTICALLY MOUNTED AT +44" A.F.F., NO EXCEPTIONS, UNLESS OTHERWISE INDICATED ON PLANS. G.C.'S RESPONSIBILITY TO COORDINATE.

32. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED FIRE AND LIFE SAFETY DEVICES REQUIRED BY BUILDING AND FIRE CODES AND/OR FIELD INSPECTORS, (I.E., EXIT SIGNS, STROBES, SPEAKERS, ETC...), WHETHER OR NOT SHOWN OR OTHERWISE INDICATED ON DESIGN DRAWINGS. ILLUMINATED EXIT SIGNS SHALL BE ON A 24-HOUR CIRCUIT IN COMPLIANCE WITH 2016 CBC CHAPTER 10.

33. ELECTRICAL CONTRACTOR SHALL PROVIDE NIGHT LIGHTING BY ASSIGNING SELECTED FIXTURES TO A 24-

HOUR (EMERGENCY) CIRCUIT AND AS REQUIRED BY LOCAL ELECTRICAL CODES. G.C. TO SUBMIT PLAN SHOWING LOCATIONS FOR APPROVAL BY DLR GROUP AND/OR ELECTRICAL ENGINEER PRIOR TO INSTALL.

34. ALL MAGNETIC HOLD OPENS SHALL BE CONNECTED TO THE BUILDING FIRE-LIFE-SAFETY SYSTEM AS REQUIRED TO OPERATE DURING AN EMERGENCY.

35. G.C. TO VERIFY LOCATIONS OF FIRE DEVICES AND T-STATS. G.C. SHALL PROVIDE A PRINTED LAYOUT OF ALL DEVICES FOR APPROVAL BY DLR GROUP PRIOR TO INSTALLATION.

36. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH CEILING CONTRACTOR TO VERIFY THAT ADEQUATE DEPTH IS PROVIDED ABOVE CEILING TO ACCOMMODATE RECESSED LIGHT FIXTURES. BEFORE PROCEEDING WITH WORK, DLR GROUP SHALL BE NOTIFIED OF ALL OBSTRUCTIONS THAT WOULD INTERFERE WITH LIGHTING LAYOUT. DLR GROUP RESERVES THE RIGHT TO ALTER CEILING HEIGHTS OR FIXTURE SPECIFICATIONS AT NO ADDITIONAL COST TO ACCOMMODATE CONFLICTS THAT MAY OCCUR.

37. ALL OUTLETS, SWITCHES AND JUNCTION BOXES LOCATED IN ACOUSTICAL PARTITIONS SHALL RECEIVE BACKING EQUIVALENT TO "LOWRIES ELECTRICAL PADS".

37. ALL OUTLETS, SWITCHES AND JUNCTION BOXES LOCATED IN ACOUSTICAL PARTITIONS SHALL RECEIVE BACKING EQUIVALENT TO "LOWRIES ELECTRICAL PADS".
 38. ALL OUTLETS AND SWITCHES LOCATED ABOVE COUNTER TOPS SHALL BE MOUNTED VERTICALLY, U.O.N., AND HORIZONTALLY ALIGNED.
 39. FOR LIGHT FIXTURE LOCATIONS AND SPECIFICATIONS REFER TO REFLECTED CEILING PLAN.
 40. ALL DIMENSIONS OF LIGHTING FIXTURES ARE GIVEN FROM & TO &, U.O.N.
 41. ALL DOWNLIGHT AND WALL WASH FIXTURES SHALL BE INSTALLED IN DEAD CENTER OF CEILING TILE, U.O.N.
 42. LIGHT FIXTURES IN FIRE-RATED CORRIDOR CEILINGS SHALL HAVE FIRE RATED ENCLOSURE PER STATE

AND LOCAL CODES.

3. THE CONTRACTOR SHALL CLEARLY LABEL THE CIRCUIT BREAKER SWITCHES IN THE FLOOR ELECTRICAL CLOSET FOR EACH SUITE BY SUITE NUMBER, TENANT NAME AND ROOM OR EQUIPMENT DESIGNATION.

4. REMOVE TELE/DATA CABLING, ELECTRICAL CONDUIT, J-BOXES AND WIRING AT PARTITIONS TO BE REMOVED. WIRING AND CONDUIT SHALL BE REMOVED TO POINT OF ORIGIN OR TO THE FIRST ITEM UNAFFECTED BY THE REMOVAL. CONDUIT WHICH IS BURIED OR OTHERWISE UNACCESSIBLE SHALL BE ABANDONED. IN SUCH CASES, CONTRACTOR SHALL PULL ALL WIRE FROM CONDUIT, CUT BACK CONDUIT FLUSH WITH FINISHED FACE AND FILL ALL OPENINGS.

5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A MIN. OF (2) 2" CONDUITS FROM THE SUITE'S I.T. ROOM TO THE FLOOR TELEPHONE CLOSET. THE G.C. SHALL VERIFY TENANT'S CONDUIT REQUIREMENTS PRIOR TO INSTALLATION.

6. 4THE MECHANICAL AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL

DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK DRAWINGS FOR COORDINATION PRIOR TO BIDDING AND AGAIN PRIOR TO INSTALLATION OF MECHANICAL AND ELECTRICAL WORK. ANY DISCREPANCY BETWEEN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF DLR GROUP FOR CLARIFICATION. WORK INSTALLED IN CONFLICT WITH DLR GROUP'S DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND SHALL NOT IMPACT THE SCHEDULE.

7. ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATION OF THE ARCHITECTURAL & ENGINEERING DRAWINGS. THE GREATER SCOPE OF WORK SHALL SUPERSEDE THE LESSER.

8. REFER TO ENGINEERING DRAWINGS FOR CIRCUITING AND EXACT SPECIFICATIONS. MECHANICAL AND ELECTRICAL ENGINEERS' DRAWINGS ARE NOT INTENDED TO INDICATE EXACT LOCATIONS OF FIXTURES OR

THE CONTRACTOR SHALL COORDINATE ANY TELEPHONE/DATA REQUIREMENTS WITH THE TENANT'S
TELEPHONE/DATA CONTRACTOR AS REQUIRED.
 THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY ELECTRICAL SERVICE AND LIGHTING FOR ALL TRADES
AS REQUIRED.
 THE CONTRACTOR SHALL FURNISH, INSTALL, AND COORDINATE ANY ELECTRICAL AND/OR LIGHTING ITEMS
WITH CABINET WORK U.O.N. AS REQUIRED.
 G.C. SHALL BE RESPONSIBLE FOR THE INSTALLATION OF AT LEAST (1) 4'x8' FIRE RESISTANT TELEPHONE
BACKBOARD, PAINTED TO MATCH ADJACENT WALL (PRIOR TO WIRING). G.C. SHALL VERIFY REQUIRED
OLANTITY AND LOCATIONS

QUANTITY AND LOCATIONS.

53. WHEN DEMOLISHING EXISTING ELECTRICAL/COMMUNICATIONS OUTLETS & J-BOXES AT PARTITIONS TO REMAIN, FILL & PATCH SURFACE FOR SMOOTH FINISH. NO BLANK PLATES U.O.N.

54. ALL CONDUIT, OTHER THAN THAT USED FOR ELECTRICAL WIRING, SHALL RECEIVE PULL WIRES INSTALLED BY THE CONTRACTOR.

55. ELECTRICAL CONTRACTOR SHALL PROVIDE 1 1/2" DIAMETER CONDUIT STUBBED UP THROUGH WALL TO 6" ABOVE CEILING WITH PULL WIRE AT COMMUNICATIONS OUTLETS AND JUNCTION BOXES FOR TENANT'S SYSTEM FURNITURE U.O.N. ALL MODEM AND TELEPHONE CABLING, ROUTING AND TERMINATIONS SHALL BE THE RESPONSIBILITY OF OWNER'S OWN CONTRACTOR.

56. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH FURNITURE SYSTEM INSTALLER TO PROVIDE OUTLETS, FEEDS, CONDUITS, WHIPS, BOXES AND ANY OTHER COMPONENTS FOR CONNECTION NOT PROVIDED BY SYSTEMS FURNITURE MANUFACTURER.

PROVIDED BY SYSTEMS FURNITURE MANUFACTURER.

57. G.C. SHALL CONFIRM RAISING EXISTING OUTLETS WHEN MOUNTED LOWER THAN 18" A.F.F.

58. ALL FURNITURE, EQUIPMENT AND/OR COPIERS SHOWN ON PLAN ARE N.I.C. (SHOWN FOR REFERENCE ONLY).

59. G.C. TO CONFIRM WITH CLIENT IF ANY SPECIALTY PLUG CONFIGURATIONS ARE REQUIRED, I.E. NEMA, ETC.

60. G.C. TO PROVIDE FINAL HARDWIRE CONNECTION AND WIRING OF SYSTEMS FURNITURE AS PART OF THE ELECTRICAL SCOPE OF WORK. WHIPS TO BE PROVIDED BY OTHERS FOR INSTALLATION BY ELECTRICAL

IT IS THE G.C.'s RESPONSIBILITY TO COORDINATE & CONFIRM FINAL LOCATIONS FOR NEW CABLE/POWER

OUTLETS WITH TENANT AND TENANT'S VENDORS (I.E. TEL/DATA, FURNITURE, AV CONSULTANT ETC.) PRIOR TO BEGINNING WORK. CONTACT DLR GROUP TO COORDINATE LOCATIONS.

62. PROVIDE ADDITIONAL WALL FURRING AS REQ'D TO ACCOMMODATE NEW OUTLETS AND/OR PLUMBING, TYP.

63. ALL DEDICATED OUTLETS SHALL HAVE NO MORE THAN (3) DUPLEX OUTLETS PER CIRCUIT.

64. SEE ENGINEERING PLANS FOR CIRCUITRY AND DEDICATED OUTLET REQUIREMENTS. ENGINEER TO CONFIRM ALL DEDICATED OUTLETS AND EQUIPMENT REQUIREMENTS.

CONTRACTOR, DATA CABLING SHALL BE DONE BY OTHERS ONCE THE WHIP IS LIVE.

AND REVIEW OUTLET/SWITCH FINISH WITH DLR GROUP

ASSUME EACH WORKSTATION TO HAVE (1) CPU, (2) FLAT SCREEN MONITORS, (1) LAPTOP, AND (1) PHONE CHARGER.
 ASSUME EACH PRIVATE OFFICE TO HAVE (1) CPU, (2) FLAT SCREEN MONITORS AND (1) PRINTER.
 VERIFY THAT FURNITURE ELECTRICAL AND COMMUNICATION J-BOXES FEEDS ARE ACCESSIBLE, NOT BEHIND FILES OR FURNITURE PANELS, UNLESS SUCH FURNITURE SYSTEM PANELS ARE DEMOUNTABLE. IT IS THE G.C.'S RESPONSIBILITY TO COORDINATE EXACT LOCATION OF FURNITURE FEEDS WITH FURNITURE

IS THE G.C.'S RESPONSIBILITY TO COORDINATE EXACT LOCATION OF FURNITURE FEEDS WITH FURNITURE VENDOR.

68. G.C. TO CLEAN INSIDE OF ALL PENDANT LIGHT FIXTURES AND STRAIGHTEN/ALIGN FIXTURES.

69. IT IS G.C.'S RESPONSIBILITY TO COORDINATE & VERIFY WITH TENANT AND/OR TENANT'S FURNITURE VENDOR THE EXACT LOCATION & REQUIREMENTS OF FLOOR CORE OUTLETS PRIOR TO CORING.

70. CONTRACTOR SHALL REMOVE ALL STICKERS FROM NEWLY INSTALLED LIGHT FIXTURES, UNLESS REQUIRED BY CODE TO REMAIN.

71. CONTRACTOR SHALL COORDINATE ACCESS AND COMPLETE WORK AFTER-HOURS AS NEEDED WHERE ELECTRICAL/DATA POKE THRUS OR SCOPE REQUIRE ACCESS TO THE FLOOR BELOW. CONTRACTOR SHALL PROVIDE ALLOWANCE FOR REPAIRS AT ADJACENT SPACE AS REQUIRED.

72. G.C. SHALL TEST ALL EXISTING OUTLETS TO CONFIRM THEY ARE FUNCTIONING PROPERLY AND REPAIR/REPLACE AS REQUIRED.

73. WHERE OUTLETS/SWITCHES ARE SPECIFIED ON A WALL FINISH OTHER THAN WHITE, G.C. TO COORDINATE

4. G.C. TO ENSURE SWITCH PLATES AND OUTLET COVERS TO MATCH BUILDING STANDARD OR EXISTING AT

TENANT'S SPACE, WHICHEVER APPLY. VERIFY WITH DLR GROUP PRIOR TO ORDER.

#### WALL & FLOOR FINISH NOTES

REFER TO FINISH PLAN(S) AND TO SPECIFIC NOTES AND/OR SPECIFIC DETAILS. ALSO, REFER TO CONSTRUCTION AND FIRE DEPARTMENT NOTES. G.C. SHALL VERIFY THAT ALL FINISHES CONFORM TO LOCAL BUILDING CODES FOR FLAME SPREAD RATING BEFORE SUBMITTING TO DLR GROUP FOR REVIEW. WALL SURFACES SHALL BE PREPARED FOR PAINT, ALL PAINT SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACES. PROVIDE MINIMUM TWO (2) COATS OF PAINT FINISHES OVER (1) COAT PRIMER (OR AS REQUIRED). REPAINT OR TOUCHUP AREAS WHERE NECESSARY PRIOR TO COMPLETION. FULL AREA REPAINTS ARE REQUIRED. SPOT TOUCHUPS WILL NOT BE ACCEPTED WALL SURFACES RECEIVING VINYL WALLCOVERINGS SHALL RECEIVE ONE COAT OF SEALER AND/OR PRIMER COAT IN FLAT FINISH. PAINT FINISH ON ALL WALLS & COLUMNS SHALL BE "EGGSHELL" (LOW-LUSTER) U.O.N., ALL CEILINGS, FACIAS & SOFFITS SHALL BE "FLAT", U.O.N. PAINT FINISH ON ALL METAL PARTS, I.E., DOORS AND DOOR FRAMES, CONVECTOR ENCLOSURES, WINDOW FRAMES, METAL POCKETS, METAL TRIM (NOT SHOP FINISHED), ETC., SHALL BE SPRAYED ON ALKYD SEMI-GLOSS, U.O.N. PAINT FINISH ON ALL WOOD DOORS, CASEWORK AND MILLWORK WHERE SPECIFIED IS TO BE SPRAYED-ON SEMI-GLOSS ENAMEL FINISH. WINDOW TREATMENT SEAMS MUST BE BUTTED STRAIGHT. ALL MATERIAL MUST BE LEFT CLEAN WITHOUT UNGLUED EDGES OR AIR BUBBLES. CUT EDGES MUST BE CONCEALED BY HARDWARE. ELECTRICAL COVER PLATES, ETC. NO PERPENDICULAR SEAMING WILL BE ACCEPTED AT DOOR OR

ALL BLACKOUT ROLLER SHADES (MANUAL AND MOTORIZED) TO INCLUDE SIDE TRACKS, U.O.N.
 WALL COVERING AND WALL PANA SEAMING SHALL COORDINATE AND APPROVED BY DLR GROUP PRIOR TO INSTALLATION.
 ALL ACCESS PANELS SHALL BE PAINTED TO MATCH ADJACENT FINISHES, U.O.N.
 FLASH PATCHING OF ALL FLOORS WILL BE COMPLETED AND REVIEWED BY DLR GROUP PRIOR TO THE INSTALLATION OF THE FLOOR FINISH. THE GENERAL CONTRACTOR NEEDS DLR GROUP'S FINAL APPROVAL BEFORE PROCEEDING WITH THE INSTALLATION. IF THIS IS NOT RECEIVED DLR GROUP HAS THE RIGHT TO DIRECT THE GENERAL CONTRACTOR TO CORRECT THE PROBLEM AT NO ADDITIONAL COST.
 CONTRACTOR SHALL REMOVE ALL EXISTING BASE BOARDS AND FLOORING MATERIALS, U.O.N., TO EXPOSE ORIGINAL BUILDING SUB FLOORING (PLYWOOD OR CONCRETE). PATCH AND REPAIR SUB FLOOR TO RECEIVE NEW FINISH FLOORING IN ADEQUIATE TIME FOR INSTALLATION

WHERE CARPETING MEETS VINYL OR TILE, PROVIDE MERCER (OR EQUAL) VINYL COMMERCIAL CARPET REDUCER MOLDING, U.O.N. FOR ALL OTHER CONNECTION DETAILS BETWEEN FLOORING MATERIALS SEE THE ATTACHED DETAIL SHEETS. CONFIRM COLOR WITH DLR GROUP
 CLOSETS ARE TO RECEIVE THE SAME FLOOR COVERING, PAINT & CEILINGS AS THE ROOMS IN WHICH THEY OCCUR, U.O.N.
 FLOORING CONTRACTOR SHALL PROVIDE SLIP-RESISTANT FLOORING AS REQUIRED PER CODE. CONTRACTOR TO SUBMIT STONE SAMPLES FOR TESTING AND PROVIDE FRICTION TEST DATA.
 U.O.N., PROVIDE RESILIENT BASE: STRAIGHT AT ALL CARPETED; COVE AT ALL HARD FLOOR AND TILED AREAS. ALL BASES ARE TO BE MITERED AT INSIDE & OUTSIDE CORNERS.
 FLOORING CONTRACTOR SHALL TEST FLOOR SLAB WHERE WOOD IS BEING INSTALLED FOR MOISTLIRF

IF REQUIRED, SEAL FLOOR SLAB WITH DECO-REZ, #3501M MOISTURE GUARD, OR APPROVED EQUAL

CONTRACTOR TO PROVIDE FLOOR LEVELING OF 1/4" IN 10'-0" (TYP.).

BEFORE INSTALLATION OF WOOD FLOORING. CONFIRM UNDERLAYMENT REQUIREMENTS W/ DLR GROUP

9. ALL NEW TILE IS TO BE THINSET U.O.N. COORDINATE WITH FLOOR SLOPE AS REQUIRED.

10. AT NEW CERAMIC OR STONE TILE AREAS, GROUT IS TO MATCH FIELD COLOR, U.O.N. WHERE EDGE OF TILE IS EXPOSED, PROVIDE ALUMINUM TRIM EGE.

11. INSTALL WALL BASE AFTER WALL COVERING AND CARPETING.

12. FLOORING CONTRACTOR SHALL PROVIDE MATTE FINISH SEALER (2 COATS MIN.) ON ALL UNFINISHED TILE OR STONE FLOORING AND BASE, U.O.N.. ANTI-FRACTURE MEMBRANE TO BE INCLUDED.

13. TILE FLOORING WILL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, WITH THE PATTERN RUNNING IN ONE DIRECTION U.O.N.. VERIFY PATTERN WITH DLR GROUP IF DLR GROUP DOES NOT GIVE APPROVAL ON FLOOR PATTERN, THE FLOORING SCOPE WILL BE REMOVED AND REINSTALLED IN THE REQUESTED PATTERN AT NO ADDITIONAL COST. FLOORS ARE TO BE SEALED PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO FERE INSTALLATION

THE PATTERN RUNNING IN ONE DIRECTION U.O.N.. VERIFY PATTERN WITH DLR GROUP IF DLR GROUP DOES NOT GIVE APPROVAL ON FLOOR PATTERN, THE FLOORING SCOPE WILL BE REMOVED AND REINSTALLED IN THE REQUESTED PATTERN AT NO ADDITIONAL COST. FLOORS ARE TO BE SEALED PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO F.F.&E. INSTALLATION.

4. ALL JOINTS BETWEEN DIFFERENT AND SAME FLOORING MATERIALS ARE TO BE EXACTLY EVEN U.O.N.. GENERAL CONTRACTOR TO PROVIDE FLOOR PATCHES AS REQUIRED TO ACHIEVE THIS.

5. RESILIENT TILE FLOORS WILL BE GIVEN A MINIMUM OF THREE (3) APPLICATIONS OF AN APPROVED NON-SLIP WAX THOROUGHLY MACHINE BUFFED, PER MANUFACTURER'S RECOMMENDATION. PRIOR TO THE PLACEMENT OF FURNITURE AND PRIOR TO THE OWNER'S MOVE IN DATE. THE FLOOR FINISH IS TO BE APPROVED BY DLR GROUP

6. GENERAL CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE (1) ADDITIONAL GALLON OF PAINT OF ALL WALL AND CEILING COLORS USED ON THE PROJECT TO THE OWNER FOR FUTURE TOUCH-UP AS

REQUIRED.

27. GENERAL CONTRACTOR SHALL PROVIDE ADDITIONAL 5% ATTIC STOCK VCT, SPECIAL CARPET (BROADLOOM OR TILE), GENERAL CARPET AND ALL ACCENT CARPET THROUGHOUT.

28. DLR GROUP SHALL WALK THE SITE PRIOR TO THE APPLICATION OF THE FINISH WALL COMPOUND COAT AND MARK ALL DEFECTS. CONTRACTOR SHALL OBTAIN DLR GROUP WRITTEN APPROVAL OF WALL SURFACE BEFORE FINAL PAINT OR FINISH APPLICATION IS APPROVED.

29. WITHIN TWO (2) WEEKS AFTER COMPLETION AND TOTAL OCCUPANCY OF PREMISES, CONTRACTOR TO PROVIDE (24) HOURS OF TOUCH-UP PAINT (OTHER THAN PUNCH LIST ITEMS) AT NO COST TO THE OWNER.

30. PROVIDE SHOP DRAWINGS ILLUSTRATING LOCATION & INSTALLATION OF DETAILS FOR ALL STONE.

PROVIDE (24) HOURS OF TOUCH-UP PAINT (OTHER THAN PUNCH LIST ITEMS) AT NO COST TO THE OWNER.
30. PROVIDE SHOP DRAWINGS ILLUSTRATING LOCATION & INSTALLATION OF DETAILS FOR ALL STONE, CERAMIC, WOOD AND RUBBER/VINYL BASE.
31. CHECK THE DYE LOT AND PATTERN SEQUENCE PRIOR TO CUTTING. DO NOT MIX DYE LOTS OR DYE SERIES.
32. INSTALL CARPET WITH BACK MARKED ARROWS RUNNING IN THE SAME DIRECTION ALONG WITH MARKING THREADS ON THE PRIMARY BACKING CONSISTENT ON LEFT OR RIGHT SIDE, U.O.N.
33. ALL CARPET INSTALLATIONS SHOULD BE INSTALLED IN ACCORDANCE WITH THE MINIMUM STANDARDS SET FORTH IN CRI CARPET INSTALLATION STANDARD.

WHERE CARPET TRANSITIONS TO OTHER FLOOR COVERINGS, THE CARPET EDGES ARE REQUIRED TO BE PROTECTED OR COVERED WITH APPROPRIATE TRANSITION MOLDINGS. THE EDGE OF THE HARD SURFACE FLOORING SHOULD NOT EXCEED A MAXIMUM OF 1/16" HIGHER THAN THE TOTAL CARPET THICKNESS WHERE NO TRANSITION MOLDING EXISTS. WHERE NO TRANSITION MOLDING IS USED, APPLY A MINIMUM OF 1/8" BEAD OF SEAM SEALER TO THE EDGE OF THE CARPET ALONG THE ENTIRE TRANSITION. WHEN VINYL OR RUBBER WALL BASE IS USED IN A DIRECT GLUE OF DOUBLE GLUE CARPET INSTALLATION, COVE BASE OR BASE-WITH-TOE IS HIGHLY RECOMMENDED. (CRI STANDARD 2010)
 LENGTH SEAM PREPARATION MUST BE MADE BY ROW CUTTING THE CARPET AT A SPECIFIC POINT THAT WILL ALLOW PATTERN MATCH WITH ADJOINING SHEETS. USE AN AWL, SCREWDRIVER OR SIMILAR TOOL TO "RUN THE ROW" WHICH SEPARATES THE STITCH ROWS TO BE CUT BETWEEN. CUT CARPET WITH A LOOP PILE CUTTER OR CUSHION BACK CUTTER. DO NOT TRACE OR DOUBLE CUT PRODUCTS.
 G.C. SHALL REWORK THE HEAD TRACK FOR EXTERIOR WINDOW COVERINGS AT AREAS WHERE PARTITIONS HAVE BEEN DEMOLISHED AS REQUIRED.

ALL NEW AND EXISTING PARTITIONS, INCLUDING PERIMETER WALLS, COLUMNS & DRYWALL CEILINGS TO RECEIVE (2) COATS OF NEW PAINT FINISH, THROUGHOUT REMODEL AREAS U.O.N.
 ALL EXPOSED DUCTING VENTS, GRILLS AND ACCESS DOORS SHALL BE PAINTED TO MATCH ADJACENT CEILING, U.O.N.
 CONTRACTOR SHALL PITCH FLOOR AT TOILET ROOMS FOR PROPER DRAINAGE TO FLOOR DRAIN, AS REQUIRED.
 CONTRACTOR SHALL PREP SMOOTH AND/OR SKIM COAT AT EXISTING AREAS AT BASEBOARD TO ALLOW FOR SMOOTH RUBBER BASE INSTALLATION.
 AT "OPEN CEILINGS", G.C. SHALL PAINT ALL STRUCTURE, STRUCTURE SUPPORTS, CONDUITS, DIFFUSERS, PIPING, ETC., U.O.N. CONTRACTOR SHALL CONFIRM COLOR & FINISH WITH DLR GROUP

DIFFUSERS, PIPING, ETC., U.O.N. CONTRACTOR SHALL CONFIRM COLOR & FINISH WITH DLR GROUP PRIOR TO PAINTING. NO UNPAINTED SURFACE ALLOWED, U.O.N..

2. CONTRACTOR SHALL PROVIDE MOCK-UPS OF A TYPICAL CARPET SEAM, WALLCOVERING SEAM, GROUT JOINT, ETC. AS OCCURS IN PROJECT.

3. IN OTHER THAN DWELLING UNITS, TOILET ,BATHING, AND SHOWER ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE SMOOTH, HARD, NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ONTO THE WALL AT LEAST 4 INCHES. (CBC SECTION 1210.2.1).

4. WALLS AND PARTITIONS WITHIN 2 FEET OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF 4 FEET ABOVE THE FLOOR, AND EXCEPT FOR

STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE A TYPE THAT IS NOT AFFECTED BY MOISTURE. (CBC SECTION 1210.2.2).

5. SHOWER COMPARTMENTS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A SMOOTH, NONABSORBENT SURFACE TO A HEIGHT NOT LESS THAN 70 INCHES ABOVE THE DRAIN INLET (CBC SECTION 1210.2.3).

# TITLE 24 - ACCESSIBILITY NOTES

THE FACILITIES INCLUDING BUT NOT LIMITED TO SANITARY FACILITIES, DRINKING FOUNTAINS AND ELEVATORS ON THE NOTED FLOOR SHALL COMPLY WITH DISABLED ACCESS REQUIREMENTS.
 THE FACILITIES SHALL BE IDENTIFIED BY SIGNS AND OTHER IDENTIFICATION IN COMPLIANCE WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. (CBC TITLE 24 CH. 11-B).
 THE PATH-OF-TRAVEL FROM THE DESIGNATED DISABLED PARKING STALLS AND THE PUBLIC WAY SHALL PROVIDE A FREE AND UNOBSTRUCTED ACCESS TO AND EGRESS FROM THE SO NOTED FLOOR.
 IN COMPLIANCE WITH CBC TITLE 24 CH. 11-B, PROVIDE AN ADEQUATE NUMBER OF DISABLED PARKING STALLS.

4'-0" A.F.F.
6. ALL FIRE ALARM DEVICES SHALL BE LOCATED AT 48" ABOVE FINISHED FLOOR.
7. ALL EXIT DOORWAYS SHALL NOT BE LESS THAN 3'-0" IN WIDTH (32" NET CLEAR) AND NOT LESS THAN 6'-8" HEIGHT.
8. THE FLOOR OR LANDING LOCATED AT A DOORWAY SHALL NOT BE MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOOR-WAY WITH BEVELED EDGES NO GREATER THAN 1:2.
9. A CLEAR AND LEVEL AREA SHALL BE PROVIDED ON EACH SIDE OF AN EXIT DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF NOT LESS THAN 60" AND WIDTH (OPPOSITE THE DIRECTION OF DOOR SWING) OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLAN OF THE DOOR IN ITS CLOSED POSITION.

ALL LIGHT AND CONTROL SWITCHES AND THERMOSTATS SHALL NOT BE LESS THAN 3'-0" OR MORE THAN

ALL HARDWARE SHALL BE LEVER TYPE, MOUNTED ON CENTER BETWEEN 34" TO 44" A.F.F. IN COMPLIANCE WITH DISABLED REQUIREMENTS. (CBC TITLE 24 CH. 11-B).
 THE BOTTOM 10 INCHES OF ALL DOORS, EXCEPT AUTOMATIC AND SLIDING DOORS, SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE. (CBC TITLE 24 CH 11-B).
 THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5.0 POUNDS FOR INTERIOR DOORS. (CBC TITLE 24 CH. 11-B).
 ALL REQUIRED EMERGENCY WARNING SYSTEMS SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED BY A FLASHING VISUAL WARNING SYSTEM HAVING A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE.
 INTERIOR SIGNAGE, NUMBERING/LISTING SHALL CONFORM WITH CBC TITLE 24 CH. 11-B.

THE UPPER APPROACH AND THE LOWER TREAD OF EACH STAIR SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" AND NO MORE THAN 4" WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. (CBC TITLE 24 CH. 11-B).
 WHEN ALTERATION, STRUCTURAL REPAIR, OR ADDITIONS ARE MADE TO EXISTING BUILDINGS OR FACILITIES, THOSE ALTERATIONS SHALL COMPLY WITH ALL PROVISIONS FOR NEW BUILDINGS STANDARDS. THESE REQUIREMENTS SHALL APPLY TO ONLY THE AREA OF SPECIFIC ALTERATION,

STRUCTURAL REPAIR OR ADDITION.
7. CONTRACTOR TO NOTIFY DLR GROUP OF ANY NECESSARY ACCESSIBILITY UPGRADES AND PROVIDE ALTERNATE PRICING.
8. FURTHERMORE, THE REQUIREMENTS FOR NEW BUILDINGS STANDARDS SHALL INCLUDE THE FOLLOWING AREAS: A) A PRIMARY ENTRANCE TO THE BUILDING OR FACILITY AND THE PRIMARY PATH OF TRAVEL TO THE SPECIFIC AREA OF ALTERATION, STRUCTURAL REPAIR OR ADDITION. B)EXISTING SANITARY FACILITIES, DRINKING FOUNTAINS AND SIGNS AND PUBLIC TELEPHONES SERVING THE AREA OF ALTERATION, STRUCTURAL REPAIR OR ADDITION MUST FULLY COMPLY.

## LIGHTING GENERAL NOTES

LIGHTING FIXTURES SHALL BE PROVIDED PER LIGHTING FIXTURE SCHEDULE IN CONSTRUCTION DOCUMENTS.

CONTRACTOR WILL PROVIDE ITEMIZED COSTS WITH UNIT DISTRIBUTOR NET PRICING AT TIME OF BID. IF AN ALTERNATE FIXTURE LIST IS PROVIDED OR REQUESTED, THE ORIGINAL SPECS WITH PRICING WILL ALSO BE PROVIDED, AND COST DIFFERENTIALS NOTED. ALTERNATE FIXTURE PACKAGES WILL ONLY BE ACCEPTED AT TIME OF BID AND WITH SUFFICIENT TIME FOR DLR GROUP EVALUATION OF EQUIVALENCY, NOT LESS THAN (2) WORKING DAYS. SUITABILITY OF SUBSTITUTE FIXTURE(S) SHALL BE AT THE SOLE

DISCRETION OF DLR GROUP
LIGHTING SUBMITTALS WILL INCLUDE A SUMMARY SHEET SHOWING ALL FIXTURES WITH EXACT
MANUFACTURER'S SPEC NUMBERS. ANY OMITTED FIXTURES WILL BE HIGHLIGHTED AND NOTED AS TO
WHY OMITTED. EACH FIXTURE IS TO HAVE A COMPLETE MANUFACTURER'S CUT SHEET WITH ALL SPEC
NUMBERS, ACCESSORIES, AND OPTIONS CLEARLY HIGHLIGHTED.
SUBMITTED FIXTURES SHALL BE DEEMED TO BE AVAILABLE WITHIN THE PROJECT SCHEDULE AND
BUDGET.
ANY LIGHTING NOTED AS "CONTINUOUS", I.E., COVE OR UNDER-CABINET, SHALL BE IN CONTINUOUS RUNS
FROM END TO END WITH NO SHADOWS OR HOT-SPOTS. CONTRACTOR SHALL PROVIDE FIXTURE

LENGTHS, AS REQUIRED, TO OBTAIN UNIFORM CONTINUOUS RUNS.

FIXTURES REQUIRING ADDITIONAL SUPPORT, I.E., UNISTRUT OR OTHER "TRAPEZE"-TYPE MOUNTING, SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.

FIXTURE(S) NOT ABLE TO BE INSTALLED PER DLR GROUP DRAWINGS WILL BE IDENTIFIED AT TIME OF BID, AND ALTERNATE FIXTURES OR INSTALLATION METHODS PROPOSED. ACCEPTANCE OF FIXTURE SCHEDULE SHALL BE DEEMED CONFIRMATION OF INSTALLABILITY OF FIXTURE.

INSTALLATION MOUNTING HEIGHT NOTED AS "V.I.F." (VERIFY IN FIELD) SHALL BE CONFIRMED BY DLR GROUP PRIOR TO INSTALLATION.

CONTRACTOR SHALL SUBMIT ALL LAMPING WITH BEAM SPREADS AND KELVIN TEMPERATURE AT TIME OF LIGHTING SUBMITTAL.

I. THE CONTRACTOR SHALL DETERMINE ALL "BUILDING STANDARD" FIXTURE TYPES AND LAMPING WITH BUILDING ENGINEER.

CONTRACTOR SHALL NOTIFY DLR GROUP WHEN ALL ADJUSTABLE FIXTURES ARE READY FOR FOCUSING, AND WILL PROVIDE REQUIRED PERSONNEL AND LADDERS OR LIFTS FOR LIGHT FOCUSING UNDER DLR GROUP'S DIRECTION.

# **GRAPHIC NOTES**

CONTRACTOR SHALL PROVIDE A MINIMUM LEVEL "5" FINISH ON ALL GYP. BD. SURFACES RECEIVING SURFACE APPLIED GRAPHIC FILM. PRIOR TO INSTALLATION OF FILM, DLR GROUP SHALL BE NOTIFIED TO INSPECT THE SURFACE. U.O.N., THE SURFACE SHALL RECEIVE THREE (3) COATS OF WHITE PAINT AS RECOMMENDED PER SPECIFIED FILM MANUFACTURER. PROVIDE 48 HRS. OF DRY TIME BEFORE INSTALLATION OF FILM.

NO OUTLETS, T-STATS, OR OTHER OBSTRUCTING OBJECTS SHALL BE INSTALLED WHERE GRAPHIC FILM IS SPECIFIED. CONTRACTOR SHALL NOTIFY DLR GROUP OF ANY CONFLICTS PRIOR TO INSTALLATION OF DRYWALL PARTITIONS.
 ALL BACK PAINTED GLASS AND NON-PERFORATED FILM GRAPHICS SCHEDULED ON GLASS SHALL BE PROVIDED ON LOW-IRON GLASS (THICKNESS AS REQUIRED BY CODE). CONTRACTOR SHALL

BE PROVIDED ON LOW-IRON GLASS (THICKNESS AS REQUIRED BY CODE). CONTRACTOR SHALL PROVIDE (3) 12"X12" FINISHED SAMPLES FOR DLR GROUP'S REVIEW AND APPROVAL.

4. U.O.N. OR SPECIFIED ON FINISH PLANS, APPLIED WALL GRAPHICS FILM ON OPAQUE SURFACES SHALL BE 3M CONTROLTAC GRAPHIC MARKING SYSTEM (FLAT/MATTE FINISH).

5. U.O.N. OR SPECIFIED ON FINISH PLANS, SURFACE APPLIED PERFORATED GLASS GRAPHICS FILM SHALL BE 3M SCOTCHCAL PERFORATED WINDOW FILM. CONTRACTOR SHALL ALIGN GRAPHIC

FILM SEAMS WITH GLASS SEAMS BY SIZING SCHEDULED GLASS ACCORDINGLY (1/8" MIN. SEAM @ GLASS BUTT JOINTS).

6. CONTRACTOR SHALL MEASURE AND PROVIDE SHOP DRAWINGS AND ELEVATIONS OF SURFACES RECEIVING SURFACE APPLIED GRAPHICS WITHIN AN ACCURACY OF 1/8", IDENTIFYING HEIGHT, WIDTH, SEAM LOCATIONS, AND OTHER CONDITIONS RELATED TO FILM TERMINATION AT CORNERS, JOINTS, BASE OVERLAP, AND REVEALS.

JOINTS, BASE OVERLAP, AND REVEALS.
 CONTRACTOR TO PROVIDE A MIN. 2-0" X 2'-0" FINISHED GRAPHIC MOCK-UP OF THE SPECIFIED SURFACE APPLIED FILM FOR DLR GROUP'S REVIEW AND APPROVAL.
 U.O.N., CONTRACTOR SHALL PROVIDE A MIN. 3'-0" X 3'-0" MOCK-UP SAMPLE OF SURFACE APPLIED PERFORATED GRAPHICS ON THE SCHEDULED GLASS PARTITION ON SITE FOR DLR GROUP'S REVIEW AND APPROVAL.

9. ALL SPECIFIED WALL WASHERS, WHERE POINTING TOWARDS SCHEDULED WALL GRAPHICS, SHALL BE WIDE FLOOD LIGHTS, AND NOT SPOT LIGHTS.
 10. WHERE NON-PERFORATED FILM GRAPHICS ARE SPECIFIED ON GLASS, CONTRACTOR SHALL PROVIDE A MIN. 1'-0" X 1'-0" FULL SCALE MOCK-UP, AND A REDUCED SCALE TO FIT 1'-0" X 1'-0" MOCK-UP SAMPLE OF SCHEDULED FILM WITH GRAPHICS FOR DLR GROUP'S REVIEW AND APPROVAL.
 11. SURFACE APPLIED FILM GRAPHICS SHALL NOT BE INSTALLED ON HORIZONTAL SURFACES, UNLESS PROTECTED BY A PROTECTIVE COAT, FILM, OR GLASS. CONTRACTOR TO NOTIFY DLR

GROUP OF ANY CONDITIONS WHERE THIS OCCURS PRIOR TO DEVELOPMENT OF SHOP DRAWINGS.

12. ALL GYP. BOARD SURFACE APPLIED GRAPHIC FILM OR WALL COVERING SHALL TERMINATE AT AN "INSIDE" CORNER. WHERE FILM TERMINATES AT AN "OUTSIDE" CORNER, CONTRACTOR SHALL CARRY AN ALLOWANCE TO EXTEND FILM TO THE NEAREST "INSIDE" CORNER, U.O.N... CONTRACTOR SHALL NOTIFY DLR GROUP OF SUCH CONDITIONS PRIOR TO PARTITION LAYOUT DURING CONSTRUCTION.

13. WHERE SURFACE APPLIED GRAPHIC FILM OR WALL COVERING TERMINATES AT AN "OUTSIDE"

CORNER. CONTRACTOR TO PROVIDE A CONTINUOUS VERTICAL ALUMINUM J-MOLD / J-CAP.

PRIOR TO INSTALLATION.

CONTRACTOR TO PROVIDE PRODUCT CUT SHEETS FOR DLR GROUP REVIEW AND APPROVAL

# TITLE 24 - TOILET ROOM NOTES

TOILETS AND BATHING ROOMS (CBC 11B-603)
 BATHING AND TOILET FACILITIES THAT SERVE BUILDINGS, FACILITIES OR PORTIONS OF BUILDINGS OR FACILITIES THAT ARE REQUIRED BY THESE STANDARDS TO BE ACCESSIBLE TO PERSONS WITH DISABILITIES, SHALL BE ON AN ACCESSIBLE ROUTE AND SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.
 THE ACCESSIBLE FIXTURES AND CONTROLS REQUIRED IN THIS SECTION SHALL BE ON AN ACCESSIBLE ROUTE. AN UNOBSTRUCTED TURNING SPACE COMPLYING WITH CBC SECTION 11B-604.2 THRU 11B-604.8 AS APPLICABLE, SHALL BE PROVIDED WITHIN AN ACCESSIBLE TOILET FACILITY. THE CLEAR FLOOR SPACES AT FIXTURES AND CONTROLS, THE ACCESSIBLE ROUTE AND THE TURNING SPACE MAY OVERLAP.
 SEPARATE AND UNISEX FACILITIES: WHERE SEPARATE FACILITIES ARE PROVIDED FOR PERSONS OF EACH SEX, THESE FACILITIES SHALL BE ACCESSIBLE TO PERSONS WITH DISABILITIES. WHERE UNISEX FACILITIES ARE PROVIDED, THESE FACILITIES SHALL BE ACCESSIBLE TO PERSONS WITH DISABILITIES.
 MULTIPLE-ACCOMMODATION TOILET FACILITIES SHALL HAVE THE FOLLOWING:

A. A CLEAR SPACE MEASURED FROM THE FLOOR TO A HEIGHT OF 27" A.F.F., WITHIN THE SANITARY FACILITY ROOM, OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE NOT LESS THAN 60"Ø IN SIZE. OTHER THAN THE DOOR TO THE ACCESSIBLE WATER CLOSET COMPARTMENT, A DOOR, IN ANY POSITION, MAY ENCROACH INTO THIS SPACE BY NOT MORE THAN 12".

B. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE.

ENCROACH INTO THIS SPACE BY NOT MORE THAN 12".

B. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE.

PROVIDE ACCESSIBLE WATER CLOSET(S) IN COMPLIANCE WITH CBC SECTION 11B-213.3.1

ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL COMPLY WITH:

a. THE COMPARTMENT SHALL BE MINIMUM OF 60" WIDE.

b. IF THE COMPARTMENT HAS A SIDE OPENING DOOR, A MINIMUM 60" WIDE AND 60" DEEP CLEAR FLOOR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.
c. IF THE COMPARTMENT HAS AN END-OPENING DOOR FACING THE WATER CLOSET), A MIN. 60" WID AND 48" DEEP CLEAR FLOOR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.
d. THE 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" WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90° FROM ITS CLOSED POSITION.

e. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR USHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING
OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOROPENING WIDTHS AND DOOR SWINGS, A CLEAR UNOBSTRUCTED ACCESS OF NOT LESS THAN 44"
SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH
DISABILITIES. MANEUVERING SPACE AT THE COMPARTMENT DOOR SHALL COMPLY WITH CBC
SECTIONS 11B-404 AND 11B-604.8.1.2, EXCEPT THAT THE SPACE IMMEDIATELY IN FRONT OF A
WATER CLOSET COMPARTMENT SHALL NOT BE LESS THAN 48" AS MEASURED AT RIGHT ANGLES TO
THE CMPRT. DOOR IN ITS CLOSED POSITION.WHERE SIX OR MORE COMPARTMENTS ARE PROVIDED
E. WITHIN A MULTIPLE-ACCOMMODATION TOILET ROOM, AT LEAST ONE COMPARTMENT SHALL COMPLY
WITH ITEMS C AND D ABOVE, AND AT LEAST ONE ADDITIONAL AMBULATORY ACCESSIBLE

E. WITHIN A MULTIPLE-ACCOMMODATION TOILET ROOM, AT LEAST ONE COMPARTMENT SHALL COMPLY WITH ITEMS C AND D ABOVE, AND AT LEAST ONE ADDITIONAL AMBULATORY ACCESSIBLE COMPARTMENT SHALL BE 36" WIDE WITH AN OUTWARD SWINGING SELF-CLOSING DOOR AND PARALLEL GRAB BARS COMPLYING WITH CBC SECTION 11B-604.8.2.
 F. TOILET ROOM FLOORS SHALL HAVE A STABLE, FIRM, SLIP RESISTANT SURFACE IN COMPLIANCE WITH CBC SECTION 11B-302.1
 2. SINGLE ACCOMMODATION TO LET FACILITIES SHALL HAVE THE FOLLOWING:

SINGLE-ACCOMMODATION TOILET FACILITIES SHALL HAVE THE FOLLOWING:

A. THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30" WIDE BY 48" LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. THERE SHALL BE IN THE ROOM A CLEAR FLOOR SPACE OF AT LEAST 60"Ø, OR A T-SHAPED SPACE COMPLYING WITH CBC 11B-304.3.2. NO DOOR SHALL ENCROACH INTO THIS SPACE FOR MORE THAN 12" (CBC SECTION 11B-603.2.3).

B. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE.

C. PROVIDE ONE ACCESSIBLE WATER CLOSET IN COMPLIANCE WITH CBC SECTION 11B-604.

D. ALL DOORS, FIXTURES AND CONTROLS SHALL BE ON AN ACCESSIBLE ROUTE. THE MIN. CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" EXCEPT AT DOORS. IF A PERSON ON A WHEELCHAIR MUST

MAKE A TURN AROUND AN OBSTRUCTION, THE MIN. CLEAR WIDTH OF THE ACCESSIBLE ROUTE SHALL

11B-309.4, CONTROLS & OPERATING MECHANISMS CBC SECTION 11B-404.2.7. ACCESSIBLE FIXTURES

BE AS SHOWN IN CBC 11B-403.5.1.

E. IN OTHER THAN DWELLING UNITS, TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER APPROVED MATERIAL WHICH EXTENDS UPWARD ONTO THE WALLS AT LEAST 5". WALLS WITHIN WATEF CLOSET COMPARTMENTS AND WALLS WITHIN 24" OF THE FRONT AND SIDES OF URINALS SHALL BE SIMILARLY FINISHED TO HEIGHT OF 48" AND, EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE A TYPE WHICH IS NOT ADVERSELY AFFECTED BY MOISTURE.

F. PROVIDE ONE ACCESSIBLE LAVATORY IN COMPLIANCE WITH CBC SECTION 11B-606.

G. THE ENTRANCE DOOR SHALL CONTAIN A PRIVACY LATCH WHICH COMPLIES WITH CBC SECTION

ACCESSIBLE WATER CLOSETS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH THIS SUBSECTION:
 A. THE CENTERLINE OF THE WATER CLOSET FIXTURE SHALL BE 18" FROM THE SIDE WALL OR PARTITION.
 ON THE OTHER SIDE OF THE WATER CLOSET, PROVIDE A MIN. OF 28" WIDE CLEAR FLOOR SPACE IF THE
 WATER CLOSET IS ADJACENT TO A FIXTURE OR A MIN. OF 32" WIDE CLEAR FLOOR SPACE IF THE WATER
 CLOSET IS ADJACENT TO A WALL OR PARTITION. THIS CLEAR FLOOR SPACE SHALL EXTEND FROM THE
 REAR WALL TO THE FRONT OF THE WATER CLOSET.
 B. A MIN 60" WIDE & 48" DEEP CLEAR FLOOR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER

(CBC 11B-601)

CLOSET.

C. GRAB BARS FOR WATER CLOSETS NOT LOCATED WITHIN A COMPARTMENT SHALL COMPLY WITH CBC SECTION 11B-609 AND SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL. GRAB BARS FOR WATER CLOSETS LOCATED WITHIN AN ACCESSIBLE COMPARTMENT SHALL COMPLY WITH CBC SECTION 11B-609 AND SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL. GRAB BARS FOR WATER CLOSETS LOCATED WITHIN AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH CBC SECTION 11B-604.8.2.3 AND SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT. GRAB BARS SHALL NOT PROJECT MORE THAN 3" INTO THE REQUIRED CLEAR FLOOR SPACE.

a. THE SIDE GRAB BAR SHALL BE 42" LONG MIN., LOCATED 12" MAX. FROM THE REAR WALL AND

EXTEND 54" MIN. FROM THE REAR WALL WITH THE FRONT END POSITIONED 24" MIN. IN FRONT OF THE WATER CLOSET. THE SIDE GRAB BAR SHALL BE SECURELY ATTACHED AND CENTERED 33" ABOVE AND PARALLEL TO THE FLOOR.
b. THE REAR GRAB BAR SHALL BE 36" LONG MIN. AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12" MIN. ON ONE SIDE AND 24" MIN. ON THE OTHER SIDE. THE REAR GRAB BAR SHALL BE SECURELY ATTACHED AND CENTERED 33" ABOVE AND PARALLEL TO THE FLOOR, EXCEPT THAT WHERE A TANK-TYPE TOILET IS USED WHICH OBSTRUCTS PLACEMENT AT 33", THE GRAB BAR MAY BE AS HIGH AS 36" & THE SPACE BTWN THE GRAB BAR & THE TOP OF THE TANK SHALL BE 1 1/2" MIN.

WHERE A TANK-TYPE TOILET IS USED WHICH OBSTRUCTS PLACEMENT AT 33", THE GRAB BAR MAY BE AS HIGH AS 36" & THE SPACE BTWN THE GRAB BAR & THE TOP OF THE TANK SHALL BE 1 1/2" MIN.

THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MIN. OF 17" AND A MAX. OF 19" MEASURED TO THE TOP OF A MAX. 2" HIGH TOILET SEAT.

CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS, NO MORE THAN 44" A.F.F. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE

NO GREATER THAN 5 POUNDS-FORCE (LB/FT).

F. AUTOMATIC SPRING TO LIFTED POSITION SEATS ARE NOT ALLOWED.

1 URINALS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH THIS SECTION.

A. URINALS SHALL BE FLOOR MOUNTED, STALL-TYPE OR WALL HUNG. WHERE ONE OR MORE WALL-HUNG URINALS ARE PROVIDED, AT LEAST ONE WITH AN ELONGATED RIM PROJECTING 14" MIN. TO 17" MAX, FROM THE WALL AND A MAX. OF 17" ABOVE THE FLOOR SHALL BE PROVIDED.

B. FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST AND SHALL BE MOUNTED NO MORE THAN 44" A.F.F. THE FORCE

REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. ELECTRONIC AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE.

C. WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30" x 48" IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH. THIS CLEAR SPACE SHALL COMPLY WITH CBC SECTION 11B-305 AND 11B-605.3

LAVATORIES REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH THIS SUBSECTION. THE REQUIREMENTS OF THIS SUBSECTION SHALL APPLY TO LAVATORY FIXTURES VANITIES AND BUILT-IN LAVATORIES.

OF THIS SUBSECTION SHALL APPLY TO LAVATORY FIXTURES VANITIES AND BUILT-IN LAVATORIES.
 A. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND IN ACCORDANCE WITH CBC CHAPTER 11B AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. 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.
 B. LAVATORIES, WHEN LOCATED ADJACENT TO A SIDE WALL OR PARTITION, SHALL BE A MINIMUM OF 18" TO THE CENTERLINE OF THE FIXTURE. ALL LAVATORIES THAT ARE DESIGNATED TO BE ACCESSIBLE SHALL BE A MINIMUM 17" IN HORIZONTAL DEPTH AND MOLINTED WITH THE RIM OR COLINTER FDGE NO.

SHALL BE A MINIMUM 17" IN HORIZONTAL DEPTH AND MOUNTED WITH THE RIM OR COUNTER EDGE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR AND WITH VERTICAL CLEARANCE MEASURED FROM THE BOTTOM OF THE APRON OR THE OUTSIDE BOTTOM EDGE OF THE LAVATORY OF 29" REDUCING TO 27" AT A POINT LOCATED 8" BACK FROM THE EDGE. IN ADDITION, A MINIMUM 9" HIGH TOE CLEARANCE MUST BE PROVIDED EXTENDING BACK TOWARD THE WALL TO A DISTANCE NO MORE THAN 6" FROM THE BACK WALL. THE TOE CLEARANCE SPACE MUST BE FREE OF EQUIPMENT OR OBSTRUCTIONS.

C. A CLEAR FLOOR SPACE 30" x 48" COMPLYING WITH CBC SECTION 11B-306 SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND 19" MAX. INTO KNEE AND TOE SPACE

UNDERNEATH THE LAVATORY.

D. HOT WATER & DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. (CBC SECTION 11B-606.5).

PASSAGEWAYS LEADING TO SANITARY FACILITIES SHALL HAVE A CLEAR ACCESS. ALL DOORWAYS LEADING

TO SUCH SANITARY FACILITIES SHALL COMPLY WITH CBC SECTION 11B-404B, DOORS. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE. ACCESSIBLE FIXTURES AND CONTROLS SHALL BE ON AN ACCESSIBLE ROUTE. (CBC SECTION 11B-404B). DOORWAYS LEADING TO MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE, 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. (CBC 11B-703.7.2.6.1) WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4" THICK AND 12"Ø. (CBC 11B-703.7.2.6.2) UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4" THICK, 12"Ø. (WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12"Ø. (CBC 11B-703.7.2.6.3) THESE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60" AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.
ALL GRAB BARS, TUB AND SHOWER SEATS SHALL COMPLY AS FOLLOWS:
A. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1 1/4" TO 1 1/2" OR

THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL & THE GRAB BARS SHALL BE 1.5". SEE CBC FIGURE 11B-609.2.2.

B. THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATIONS:

a. BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF A 250-POUND POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.

b. SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF A 250-POUND POINT LOAD SHALL BE LESS THAT THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY

OR SEAT, AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.

c. SHEAR FORCE INCLUDED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF A 250-POUND POINT LOAD SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.

d. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF A 250-POUND POINT LOAD, PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF A 250-POUND POINT LOAD, SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND SUPPORTING

STRUCTURE.

C. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. A GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MIN. RADIUS OF 1/8". ACCESSORIES. (CBC SECTION 11-609.5).

MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 40" FROM THE FLOOR IF ABOVE A LAVATORY, 35" ABOVE THE FLOOR ELSEWHERE.

A. IF MEDICINE CABINETS ARE PROVIDED, AT LEAST ONE SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44" ABOVE THE FLOOR. A CLEAR FLOOR SPACE 30" BY 48" COMPLYING WITH CBC SECTION 11B-305 SHALL BE PROVIDED IN FRONT OF A MEDICINE CABINET TO ALLOW A FORWARD OR PARALLEL APPROACH.

B. WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES DISPENSERS, OTHER EQUIPMENT AND CONTROLS ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE, WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40" FROM THE FINISHED FLOOR AND SHALL COMPLY WITH CBC SECTION 11B-601, CONTROLS AND OPERATING MECHANISMS.

C. THE CENTERLINE OF TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 7" TO 9" OF
THE FRONT EDGE OF THE TOILET SEAT, MOUNTED BELOW THE GRAB BAR, @ A MIN. HEIGHT OF 19", AND
36" MAX. TO THE FAR EDGE FROM THE REAR WALL. DISPENSERS THAT CONTROL DELIVERY OR THAT
DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED. SEE CBC FIGURE 11B-604.7.
 D. WHERE LOCKERS ARE PROVIDED FOR THE PUBLIC, CLIENTS, EMPLOYEES, MEMBERS OR
PARTICIPANTS, AT LEAST ONE LOCKER AND NOT LESS THAN 1% OF ALL LOCKERS SHALL BE MADE
ACCESSIBLE TO PERSONS WITH DISABILITIES. A PATH OF TRAVEL NOT LESS THAN 36" IN CLEAR WIDTH
SHALL BE PROVIDED TO THESE LOCKERS.

Grou





DISTRICT |

SOPOSED MAINTENANCE OPERATIONS AND TRANSPORTATION BLILDING

PRICING PCKAGE 03/13/2020 REVISIONS

75-20214-00

GENERAL NOTES

0 71

00 70 00 - CONDITIONS OF THE CONTRACT THE AIA GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (AIA DOCUMENT A201-97) AND SUPPLEMENTAL CONDITIONS ARE PROVIDED UNDER SEPARATE COVER, ADAE INCORPORATED INTO THESE SPECIFICATIONS BY REFERENCE. WHERE ANY PART OF THE CONTRACT DOCUMENTS IS INCONSISTENT WITH THESE CONDITIONS OF THE CONTRACT. THE CONDITIONS OF THE CONTRACT SHALL GOVERN. DEFINITIONS:

"DAY": A DAY IS A CALENDAR DAY BEGINNING AND ENDING AT 12:00 MIDNIGHT.

B. "ALIGN": MEANS TO INSTALL FINISHED FACES OF NEW MATERIAL FLUSH, PLUMB AND TRUE TO LINE WITH ADJACENT EXISTING CONSTRUCTION. C. "FURNISH": MEANS TO SUPPLY AND DELIVER TO PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. D. "INSTALL": MEANS TO UNLOAD, PROVIDE TEMPORARY STORAGE AT THE SITE, UNPACK, ASSEMBLE, ERECT, PLACE, ANCHOR, APPLY, WORK TO DIMENSION, FINISH, CURE, PROTECT, CLEAN, AND SIMILAR OPERATIONS TO PROVIDE THE WORK REQUIRED BY THE CONTRACT DOCUMENTS. "PROVIDE": MEANS TO FURNISH AND INSTALL, COMPLETE, AND READY FOR THE INTENDED USE

F. "SIMILAR": MEANS SYSTEM OR CONSTRUCTION COMPARABLE TO CONDITION NOTED. IN CASE OF CONTROVERSY, REQUEST INSTRUCTION FROM ARCHITECT PRIOR TO PROCEEDING. . "TYPICAL": MEANS IDENTICAL SYSTEM OR CONSTRUCTION AT SIMILAR LOCATIONS NOTED. 3 ALL COMMUNICATIONS FROM OWNER RELATIVE TO CHANGES IN THE WORK WILL BE THROUGH ARCHITECT TO CONTRACTOR. IF CONTRACTOR CLAIMS THAT A REVISION TO CONTRACT DOCUMENTS INVOLVES EXTRA COST, CONTRACTOR SHALL SUBMIT WRITTEN NOTICE TO THE ARCHITECT WITHIN 30 DAYS AFTER RECEIPT OF SUCH INSTRUCTIONS. NO CHANGE IN THE WORK SHALL BE PERFORMED WITHOUT A VALID CHANGE ORDER COVERING THE SCOPE OF THE CHANGE AND SIGNED BY THE OWNER. 4. BY ENTERING INTO THIS AGREEMENT WITH THE OWNER, THE CONTRACTOR REPRESENTS THAT HE

HAS VISITED THE JOB SITE FAMILIARIZED HIMSELF WITH EXISTING CONDITIONS, AND NOTED DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE OF THE CONTRACT DOCUMENTS. 5. SUBMIT A COMPLETE WRITTEN DESCRIPTION OF THE SCOPE OF EACH CHANGE IN THE WORK INCLUDING ROOM NUMBERS AFFECTED. PREPARE QUOTATIONS FOR PROPOSED CHANGES IN THE WORK IN A "BREAK-DOWN" FORM, GIVING THE NUMBER OF UNITS, UNIT COST OF MATERIALS, HOURS OF LABOR. HOURLY COST OF LABOR. TOOLS. SUPPLIES. EQUIPMENT. TRANSPORTATION. SUPERINTENDENTS, CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS OF EVERY NATURE INSURANCE, TAXES, BONDS, ALL OTHER OVERHEAD COSTS AND PROFIT, AND SHALL REFLECT CREDITS AS WELL AS EXTRAS.

6. CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONTRACT DOCUMENTS ON SITE DURING CONSTRUCTION FOR USE OF ALL TRADES. ENSURE THAT ALL SUBCONTRACTORS RECEIVE COMPLETE SETS OF CONSTRUCTION DRAWINGS. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR COORDINATION OF ALL WORK 7. THE OWNER, WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO, OR DEDUCTING FROM THE WORK. CONTRACT SUM AND CLAIMS FOR EXTENSION OF TIME WILL BE ADJUSTED IN ACCORDANCE WITH CONTRACT CONDITIONS RELATIVE TO CHANGES IN THE WORK. CHANGES IN THE WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE CONTRACT

8. SECTIONS OF DIVISION 1 - GENERAL REQUIREMENTS, GOVERN THE EXECUTION OF THE WORK OF ALL SECTIONS OF THE SPECIFICATIONS.

01 10 00 - SUMMARY OF WORK 1. SCOPE OF WORK, LOCATION, AND OTHER DATA IS INDICATED BY DRAWING CONTENT. 2. PROVIDE WORK IN ACCORDANCE WITH REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA), INCLUDING LATEST AMENDMENTS. WHERE WORK SHOWN DOES NOT COMPLY WITH THE ADA, HALT THE EFFECTED WORK AND REQUEST WRITTEN INSTRUCTIONS FROM THE ARCHITECT PRIOR TO 3. IDENTIFY TOILET FACILITIES WITH SIGNAGE COMPLYING WITH THE INTERNATIONAL SYMBOL OF

4. THE PATH OF TRAVEL FROM THE DESIGNATED HANDICAP PARKING SPACES AND THE PUBLIC SIDEWALK PROVIDES A FREE AND UNOBSTRUCTED PASSAGE FOR ACCESS TO AND EGRESS FROM THE 5. MOUNT LIGHT AND CONTROL SWITCHES NOT MORE THAN 4-FEET-0-INCHES ABOVE FINISHED FLOOR OR WORKING LEVEL

6. PROVIDE DOORS NOT LESS THAN 3-FEET-0-INCH WIDE BY 6-FEET -8-INCHES IN HIGH. PROVIDE FLOORS AND LANDINGS LOCATED AT A DOORWAYS NOT MORE THAN 1/2-INCH LOWER THAN THE TOP OF THE THRESHOLD. PROVIDE THRESHOLDS WITH 1/4-INCH MAXIMUM VERTICAL EDGE AND WITH A CHANGE IN LEVEL NOT GREATER THAN 1.2 8. PROVIDE A CLEAR AND LEVEL AREA ON EACH SIDE OF EXIT DOORS WITH A LENGTH OF AT LEAST 60-INCHES IN THE DIRECTION OF THE DOOR SWING ADA LEAST 48-INCHES IN THE OPPOSITE DIRECTION. MEASURED AT RIGHT ANGLE TO DOOR IN ITS CLOSED POSITION.

9. PROVIDE LEVER TYPE HARDWARE COMPLYING WITH ADA REQUIREMENTS. 10. PROVIDE BOTTOM 10-INCHES OF DOORS, EXCEPT AUTOMATIC AND SLIDING DOORS, WITH A SMOOTH LININTERRUPTED SURFACE 11. PROVIDE EXIT DOORS TO SWING IN THE DIRECTION OF TRAVEL WHEN SERVING AN OCCUPANT LOAD OF MORE THAN 50.

12. ARRANGE EXIT DOORS TO OPERATE FROM THE INSIDE WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. USE ONLY SPECIAL LOCKING DEVICES OF AN APPROVED TYPE. PROVIDE EXIT DOOR CLOSERS ADJUSTED SO THAT THE DOOR TAKES AT LEAST 3 SECONDS TO CLOSE FROM AN OPEN POSITION OF 70 DEGREES TO WITHIN 3-INCHES OF THE LATCH.

01 31 00 - PROJECT MANAGEMENT AND COORDINATION FORWARD COPIES OF EXECUTED PERMITS TO ARCHITECT

2. SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSTRUCTION STANDARD. REFER QUESTIONS REGARDING THEIR DEFINITION TO ARCHITECT FOR CLARIFICATION.. 3. ALL DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, UNO.

4. ARRANGE FOR EACH TRADE TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE RELATING TO THEIR WORK. NO ALLOWANCE SHALL BE MADE FOR ANY EXTRA EXPENSE OR EXTENSION OF TIME DUE TO CONTRACTOR'S FAILURE OR NEGLIGENCE IN COMPLETELY EXAMINING THE JOB SITE AND CONDITIONS EFFECTING EXECUTION OF THE WORK

5. CONTACT OWNER'S REPRESENTATIVE FOR RULES FOR USE OF EXISTING FACILITIES, DELIVERIES, REMOVALS, STORAGE, TEMPORARY FACILITIES AND CONTROLS, TEMPORARY UTILITIES AND SERVICES CONSTRUCTION OPERATIONS, WORK PERFORMED OUTSIDE REGULAR BUSINESS HOURS, AND OTHER REQUIREMENTS AFFECTING USE OF THE SITE AND PROSECUTION OF THE WORK. IF OVERTIME WORK IS REQUIRED BY ANY TRADE, APPROVAL (INCLUDING CST APPROVAL) MUST BE OBTAINED FROM OWNER PRIOR TO EXECUTION OF THE OVERTIME WORK. THE GENERAL INTENT IS THAT ALL WORK EXCEPT FOR NOISE-GENERATING CONSTRUCTION SHALL BE PERFORMED ON REGULAR TIME. 6. COORDINATE AND VERIFY SIZE, LOCATION AND CHARACTERISTICS OF OWNER SUPPLIED MATERIAL AND EQUIPMENT WITH WORK OF THIS CONTRACT TO PROVIDE A NEAT WORKMANLIKE INSTALLATION OF ALL WORK THAT FITS AVAILABLE SPACE, PROVIDES THE FUNCTION OR USE INTENDED, AND PROVIDES

ADEQUATE SERVICE ACCESS 7. VERIFY AND COORDINATE LOCATION OF ALL ACCESS PANELS (IN PARTITIONS, FLOORS, OR CEILINGS). CONFIRM LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. 8. PROVIDE BLOCKING, BACKING, FRAMING HANGERS, OR OTHER SUPPORT FOR ALL FIXTURES, EQUIPMENT, CABINETRY, FURNISHINGS, AND OTHER HEAVY CONSTRUCTION.

01 32 00 - CONSTRUCTION PROGRESS DOCUMENTATION SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE OWNER INDICATING SEQUENCE AND PHASING. OF WORK FROM START TO FINISH OF THE PROJECT SUBMITTALS SCHEDULE: TABULATE THE FOLLOWING

SCHEDULED DATE FOR FIRST SUBMITTAL; SPECIFICATION SECTION NUMBER AND TITLE; SUBMITTAL CATEGORY (ACTION OR INFORMATIONAL); NAME OF SUBCONTRACTOR; DESCRIPTION OF THE WORK COVERED: SCHEDULED DATE FOR ARCHITECT'S FINAL RELEASE OR APPROVAL REPORTS: PROVIDE AS REQUIRED TO DOCUMENT EVENTS

DAILY CONSTRUCTION REPORTS; MATERIAL LOCATION REPORTS; FIELD CONDITION REPORTS; SPECIAL

01 33 00 - SUBMITTAL PROCEDURES 1. PROVIDE THREE (3) SETS OF SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND APPROVAL AFTER THE CONTRACTOR HAS REVIEWED THEM FOR CONSTRUCTIBILITY. COORDINATION BETWEEN TRADES. AND CONFORMANCE WITH THE CONTRACT DOCUMENTS.

2. SUBMIT SAMPLES OF FINISH MATERIALS TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR REPLACEMENT OF FINISH MATERIALS THAT HAVE 3. SUBMITTALS SHALL BE NEAT AND LEGIBLE, OF UNIFORM SCALE, RESPONSIVE TO REQUIREMENTS, WITH ALL SHEETS OF SIMILAR INFORMATION OF SAME SIZE.-4. TRANSMIT EACH SUBMITTAL SUFFICIENTLY IN ADVANCE OF PERFORMANCE OF RELATED CONSTRUCTION ACTIVITIES TO AVOID DELAY

5. PACKAGE SUBMITTALS TO COVER COMPLETE ASSEMBLIES OR SYSTEMS. PARTIAL OR INCOMPLETE SUBMITTALS WILL BE RETURNED REJECTED WITHOUT REVIEW .-THE ARCHITECT RESERVES THE RIGHT TO WITHHOLD ACTION ON A SUBMITTAL REQUIRING COORDINATION WITH OTHER SUBMITTALS UNTIL ALL RELATED SUBMITTALS ARE RECEIVED. 7. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT JOB SITES FOR TOLERANCES, CLEARANCES, QUANTITIES, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF THEIR WORK WITH OTHER TRADES AND FULL COMPLIANCE WITH

THE CONTRACT DOCUMENTS. A. PROPOSED DEVIATIONS, FROM THE CONTRACT DOCUMENTS MUST BE CONSIDERED SEPARATELY FROM SUBMITTALS, USING THE "CHANGES" PROCEDURES OF THE CONTRACT

01 40 00 - QUALITY REQUIREMENTS . TESTING AND INSPECTING SERVICES ARE REQUIRED TO VERIFY COMPLIANCE WITH REQUIREMENTS SPECIFIED OR INDICATED. PROVIDE SPECIAL INSPECTIONS BY INDEPENDENT TESTING AGENCY WHEN REQUIRED BY CODE AUTHORITIES. THESE SERVICES DO NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENT REQUIREMENTS. 01 42 00 - REFERENCES

ABBREVIATIONS AND ACRONYMS: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES INDICATED IN GALE RESEARCH'S "ENCYCLOPEDIA OF ASSOCIATIONS" OR IN COLUMBIA BOOKS' "NATIONAL TRADE & PROFESSIONAL ASSOCIATIONS OF THE U.S," AND THE ABBREVIATION LIST INCLUDED WITH THE PROJECT DOCUMENTS.

01 50 00 - TEMPORARY FACILITIES AND CONTROLS 1. REMOVE ALL RUBBISH AND WASTE MATERIALS FROM THE PREMISES ON AT LEAST A WEEKLY BASIS, AND PROVIDE LEGAL DISPOSAL. 2. EXERCISE STRICT DUST CONTAINMENT CONTROL TO PREVENT DIRT OR DUST FROM LEAVING LIMITS OF CONSTRUCTION. 3. UNLESS OTHERWISE REQUIRED BY THE CONTRACT DOCUMENTS, WATER, GAS, LIGHTING, POWER AND TELEPHONE CONDUITS AND WIRES. SEWER LINES. STREETS. CURBS. DRIVEWAY APPROACHES. TREES. LANDSCAPING, BUILDINGS AND OTHER SURFACE AND SUBSURFACE STRUCTURES AND LINES. OPENINGS. FINISHES. FURNISHINGS. EQUIPMENT. AND SIMILAR IMPROVEMENT ITEMS SHALL BE PROTECTED BY CONTRACTOR AND SHALL NOT BE DISTURBED, DISCONNECTED OR DAMAGED BY HIM DURING PROGRESS OF WORK SHOULD CONTRACTOR IN PERFORMANCE OF WORK DISTURB DISCONNECT OR DAMAGE ANY OF THE ABOVE ITEMS, REMOVE, REPAIR, OR REPLACE SUCH DISCONNECTED OR DAMAGED ITEMS WITH MATERIALS, CONSTRUCTION, AND IMPROVEMENTS MATCHING EXISTING LINDAMAGED WORK AND RESTORE TO A CONDITION AS GOOD AS OR BETTER THAN EXISTED. PRIOR TO SUCH DISTURBANCE, DISCONNECTION OR DAMAGE AT NO ADDITIONAL EXPENSE TO OWNER. PROVIDE TEMPORARY PROTECTION OF THE WORK UNTIL REMOVAL OF TEMPORARY PROTECTION IS

APPROVED BY ARCHITEC 4. CONTRACTOR IS RESPONSIBLE FOR THE WORK AND PROPERTY OF OTHERS THAT IS IN CONTRACTOR'S CARE, CUSTODY, AND CONTROL AT ALL TIMES DURING PROGRESS OF THE WORK AND UNTIL FINAL ACCEPTANCE. SECURE AND LOCK THE PREMISES WHEN WORKMEN ARE NOT PRESENT. 5. CONTRACTOR IS RESPONSIBLE FOR LIFE SAFETY EQUIPMENT REQUIRED BY AUTHORITIES HAVING

6. DURING THE ENTIRE PERIOD OF DEMOLITION AND CONSTRUCTION. EXISTING EXIT SIGNS. EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS SHALL BE CONTINUOUSLY MAINTAINED. MAINTAIN REQUIRED EXITS AND EXIT EGRESS FREE FROM ALL OBSTRUCTIONS AND IMPEDIMENTS 8 MAINTAIN EXISTING LITH ITIES AND SERVICES TO EXISTING FACILITIES INDICATED TO REMAIN KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. GIVE MINIMUM 72 HOUR ADVANCE NOTICE TO OWNER'S REPRESENTATIVE IF SERVICE SHUT-DOWN-DOWN IS NECESSARY. 9. EXISTING WATER PERMANENT FIRE PROTECTION FLECTRICAL POWER SERVICE AND LIGHTING HEATING, AIR CONDITIONING, AND TOILETS WITHIN THE VARIOUS AREAS OF WORK WILL BE MADE AVAILABLE TO CONTRACTOR WITHOUT ADDITIONAL METERING AND WITHOUT PAYMENT OF USE CHARGES FOR SERVICES. PROVIDE AND PAY FOR ALL OTHER TEMPORARY UTILITIES AND UTILITY SERVICES, TEMPORARY SUPPORT FACILITIES AND SERVICES, TEMPORARY SECURITY AND PROTECTION. FACILITIES NECESSARY FOR THE PROPER AND EXPEDITIOUS EXECUTION OF THE WORK.

10. KFFP ALL EXISTING FACILITIES AND SERVICES CLEAN AND IN GOOD WORKING CONDITION. CLEAN

OR REPLACE CHANGEABLE FILTER MEDIA AND TURNOVER WITH NEW FILTER MEDIA AT

COMPLETION OF WORK.

01 60 00 - PRODUCT REQUIREMENTS 1. MANUFACTURER'S NAME, TRADEMARK, LOGOS, ETC., SHALL NOT BE VISIBLE TO THE PUBLIC. NO SUBSTITUTIONS OF LISTED MATERIALS OR PRODUCTS SHALL BE PERMITTED WITHOUT FIRST SUBMITTING SPECIFICATIONS, SAMPLES, AND COST IMPACT FOR ARCHITECT'S APPROVAL. A LISE SUBSTITUTION REQUEST FORMS AVAILABLE FROM ARCHITECT

B. AT THE TIME OF BID SUBMITTAL, THE CONTRACTOR SHALL ADVISE ARCHITECT, IN WRITING OF ANY SPECIFIED MATERIAL OR EQUIPMENT THAT IS EITHER UNAVAILABLE OR WILL CAUSE A DELAY IN THE COMPLETION OF CONSTRUCTION C. PROPOSED REVISIONS SHALL BE SUBMITTED IN THE FORM OF A WRITTEN CHANGE ORDER TO BE APPROVED AND AUTHORIZED BY ARCHITECT AND OWNER PRIOR TO START OF PROPOSED WORK. 3 EXISTING MANUFACTURED ITEMS NOT BEING REMOVED SHALL BE REFURBISHED AS REQUIRED, ANY LOOSE ITEMS TIGHTENED (INCLUDING, BUT LIMITED TO, EXIT SIGNS, DOWN LIGHTS, SPEAKERS,

MOLDINGS, ETC.), ANY MISSING PARTS REPLACED BY THE CONTRACTOR TO ACHIEVE A COMPLETE FUNCTIONING INSTALLATION WITH A NEW APPEARANCE 4. COMPATIBILITY OF OPTIONS: IF CONTRACTOR IS GIVEN OPTION OF SELECTING BETWEEN TWO OR MORE PRODUCTS FOR USE ON PROJECT, PRODUCT SELECTED SHALL BE COMPATIBLE WITH PRODUCTS PREVIOUSLY SELECTED. EVEN IF PREVIOUSLY SELECTED PRODUCTS WERE ALSO OPTIONS

5. RELIABILITY OF CALCULATIONS BY DATE SENSITIVE EQUIPMENT, SYSTEMS AND COMPONENTS A. DEFINITION: DATE SENSITIVE EQUIPMENT INCLUDES EQUIPMENT, SYSTEMS AND COMPONENTS THEREOF WHICH RELY ON OR UTILIZE COMPUTERS, SUBSYSTEMS, HARDWARE, SOFTWARE FIRMWARE, INCLUDING EMBEDDED CHIP SYSTEMS OR COMPONENTS, WHICH PROCESS, SEQUENCE CALCULATE, UTILIZE, OR IN ANY FASHION ARE AFFECTED IN FUNCTION OR OPERATION BY DATE AND DATE RELATED OR TIME AND TIME RELATED DATA. INCLUDING THE PASSAGE OF TIME. B. DATE SENSITIVE EQUIPMENT, SYSTEMS AND COMPONENTS THEREOF MUST INDIVIDUALLY AND IN

UTILIZE DATE AND TIME RELATED DATA FOR ALL DATES AND TIMES, WHICH OCCUR DURING A LIFE EXPECTANCY FOR SAID EQUIPMENT, SYSTEMS AND COMPONENTS THEREOF. C. CORRECTLY PROCESS, SEQUENCE, AND CALCULATE ALL DATE AND DATE RELATED DATA FOR ALL DATES PRIOR TO, THROUGH AND AFTER JANUARY 1, 2000, INCLUDING LEAP YEAR CALCULATIONS. D. SOFTWARE PRODUCTS THAT PROCESS DATE OR DATE RELATED DATA SHALL RECOGNIZE, STORE AND

TRANSMIT DATE DATA IN A FORMAT WHICH EXPLICITLY AND UNAMBIGUOUSLY SPECIFIES THE CORRECT

COMBINATION PROPERLY FUNCTION AND CONTINUE TO CORRECTLY PROCESS, SEQUENCE AND

E. CONTRACTOR SHALL INCLUDE THIS REQUIREMENT IN ALL SUB-CONTRACTS AND EQUIPMENT ORDERS FOR THIS PROJECT F. SUBMITTALS: PROVIDE CERTIFICATION FROM SUPPLIERS AND SUB-CONTRACTORS PROVIDING DATE SENSITIVE EQUIPMENT, SYSTEMS, AND SOFTWARE THAT THE PROPOSED EQUIPMENT, COMPONENTS AND SYSTEMS COMPLY WITH THESE REQUIREMENTS.

6. COMPLETE ASSEMBLIES: PROVIDE PRODUCTS COMPLETE WITH ACCESSORIES, TRIM FINISH, FASTENERS, OTHER ITEMS NEEDED FOR A COMPLETE INSTALLATION FOR THE INDICATED USE AND EFFECT. 7. PROVIDE STANDARD PRODUCTS IF AVAILABLE, AND UNLESS CUSTOM PRODUCTS OR NON-STANDARD OPTIONS ARE SPECIFIED, PROVIDE STANDARD PRODUCTS OF THE TYPES THAT HAVE BEEN PRODUCED AND USED SUCCESSFULLY IN SIMILAR SITUATIONS ON OTHER PROJECTS.

8. THE OWNER RESERVES THE RIGHT TO LIMIT SELECTION TO PRODUCTS WITH WARRANTIES NOT IN CONFLICT WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS. 9. WHERE PRODUCTS ARE ACCOMPANIED BY THE TERM "AS SELECTED", ARCHITECT WILL MAKE SELECTION. 10. WHERE PRODUCTS ARE ACCOMPANIED BY THE TERM "MATCH SAMPLE", SAMPLE IS ARCHITECT'S. 11. DESCRIPTIVE, PERFORMANCE, AND REFERENCE STANDARD REQUIREMENTS IN THE SPECIFICATIONS ESTABLISH "SALIENT CHARACTERISTICS" OF PRODUCTS. 12. VERIFY PRIOR TO BIDDING THAT ALL SPECIFIED ITEMS WILL BE AVAILABLE IN TIME FOR INSTALLATION TO ASSURE COMPLETION OF THE PROJECT WITHIN THE TIME REQUIRED BY THE CONTRACT DOCUMENTS.

13. COSTS FOR DELAYS BECAUSE OF NON-AVAILABILITY OF SPECIFIED ITEMS, WHEN SUCH DELAYS COULD

HAVE BEEN AVOIDED BY CONTRACTOR, WILL BE BORNE BY THE CONTRACTOR.

01 73 00 - EXECUTION

A. DO NOT SCALE DRAWINGS, DIMENSIONS GOVERN. LARGE SCALE DETAILS GOVERN OVER SMALLER SCALE DETAILS. B. INFORM ARCHITECT WHEN CHALK LINE LAYOUT OF PARTITIONS IS COMPLETED SO THAT IT CAN BE VERIFIED. MAKE REQUIRED CHANGES PRIOR TO START OF CONSTRUCTION. C. SUPPLY ALL NECESSARY INFORMATION ON REQUIRED CUTOUTS FOR PLUMBING FIXTURES TO MILLWORK CONTRACTOR.

D. DOOR OPENINGS IN GYPSUM BOARD PARTITIONS NOT DIMENSIONED ARE TO BE LOCATED IN CENTER OF ROOM OR 4" FROM ADJOINING PARTITION AS SHOWN. 2. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLING PRODUCTS IN APPLICATIONS INDICATED. 3. ENSURE THAT INSTALLATION CONFORMS TO BUILDING CODE REQUIREMENTS. THE MATERIALS SPECIFIED ARE INTENDED TO MEET CODE REQUIREMENTS. IMMEDIATELY NOTIFY ARCHITECT OF ALL DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CODE REQUIREMENTS. DO NOT

PROCEED WITH INSTALLATION UNTIL INSTRUCTIONS RESOLVING DISCREPANCIES HAVE BEEN RECEIVED. 01 73 30 - CORRECTION OF DEFECTIVE WORK. 1. PATCH, REPAIR, REPLACE, AND/OR REFINISH EXISTING CONSTRUCTION AS NECESSARY TO REFURBISH DAMAGED AND NONCONFORMING AREA OF WORK.

01 74 00 - CLEANING AND WASTE MANAGEMENT 1. CLEAN PREMISES WITHIN CONSTRUCTION LIMITS AND ALONG ACCESS ROUTES DAILY, INCLUDING COMMON AREAS. COORDINATE PROGRESS CLEANING FOR JOINT-USE AREAS WHERE MORE THAN ONE INSTALLER HAS WORKED. ENFORCE REQUIREMENTS STRICTLY. DISPOSE OF MATERIALS LAWFULLY. . KEEP INSTALLED WORK CLEAN. 3. CONCEALED SPACES: REMOVE DEBRIS FROM CONCEALED SPACES BEFORE ENCLOSING THE SPACE.

01 75 00 - STARTING AND ADJUSTING 1. START EQUIPMENT AND OPERATING COMPONENTS TO CONFIRM PROPER OPERATION. REMOVE MALFUNCTIONING UNITS. REPLACE WITH NEW UNITS. AND RETEST. 2. ADJUST OPERATING COMPONENTS FOR PROPER OPERATION WITHOUT BINDING, VIBRATING, OR PRODUCING EXCESSIVE NOISE. ADJUST EQUIPMENT FOR PROPER OPERATION.

3. PROTECT INSTALLED CONSTRUCTION. 01 77 00 - CLOSEOUT PROCEDURES 1. CONTRACT CLOSE-OUT SHALL OCCUR ONLY AFTER ARCHITECT HAS PREPARED THE CERTIFICATE OF SUBSTANTIAL COMPLETION AND PUNCH LIST, AND PUNCH LIST ITEMS HAVE BEEN CORRECTED. THE CONTRACTOR SHALL SUBMIT MAINTENANCE AND WARRANTY MANUALS, RELEASE OF LIENS, AND RECORD DRAWINGS TO ARCHITECT WITH HIS FINAL APPLICATION FOR PAYMENT. ARCHITECT SHALL

PREPARE ANY NECESSARY CHANGE ORDERS REQUIRED TO FINALIZE THE COST OF THE PROJECT BASED ON THE CONTRACTORS FINAL SUBMITTALS. P. "EXISTING TO REMAIN", "EXISTING TO BE RELOCATED", AND/OR NEW ITEMS INSTALLED BY THE CONTRACTOR. IN ADDITION TO BEING AMPLY PROTECTED THROUGHOUT THE PERIOD OF CONSTRUCTION, SHALL BE THOROUGHLY CLEANED TO THE SATISFACTION OF ARCHITECT PRIOR TO

BEING TURNED OVER TO THE OWNER. 3. BEFORE ACCEPTANCE BY THE OWNER, THE COMPLETED CONSTRUCTION SHALL BE CLEANED, LABELS REMOVED, AND ALL OTHER TOUCH UP COMPLETED.

01 81 13 - SUSTAINABLE DESIGN REQUIREMENTS A. COMPLY WITH ALL REQUIREMENTS OF CALIFORNIA GREEN BUILDING CODE REQUIREMENTS AND WELL BUILDING REQUIREMENTS B. COMPLETE ALL REQUIRED GREEN BUILDING CODE FORMS AND WELL BUILDING FORMS.

03 53 00 - CONCRETE TOPPING

03 54 16 - HYDRAULIC CEMENT UNDERLAYMENT 1. USE SELF-LEVELING UNDERLAYMENT FOR INTERIOR FINISH FLOORING AT LOCATIONS INDICATED, AND TO ACHIEVE FLATNESS WHERE STRUCTURAL SLAB DOES NOT COMPLY WITH SPECIFIED FLATNESS REQUIREMENTS. 2. UNDERLAYMENT: CEMENT-BASED, POLYMER-MODIFIED, SELF-LEVELING PRODUCT THAT CAN BE

APPLIED IN UNIFORM THICKNESSES FROM 1/8 INCH (3 MM) AND THAT CAN BE FEATHERED AT EDGES TO MATCH ADJACENT FLOOR FLEVATIONS. A. CEMENT BINDER: ASTM C 150, PORTLAND CEMENT, OR HYDRAULIC OR BLENDED HYDRAULIC CEMENT AS DEFINED BY ASTM C 219. B. COMPRESSIVE STRENGTH: NOT LESS THAN 4100 PSI (28 MPA) AT 28 DAYS WHEN TESTED ACCORDING TO ASTM C 109/C 109M.

C. PRODUCTS: 1. K-15 SELF-LEVELING UNDERLAYMENT CONCRETE; ARDEX, INC. 2. SELF-LEVELING UNDERLAYMENT; W. R. BONSAL COMPANY. 3. 300 PREMIUM UNDERLAYMENT; BURKE GROUP, LLC (THE). LEVELEX UNDERLAYMENT: L&M CONSTRUCTION CHEMICALS. INC LEVEL-RIGHT; MAXXON CORPORATION.

2. AGGREGATE: WELL-GRADED, WASHED GRAVEL, 1/8 TO 1/4 INCH (3 TO 6 MM), OR COARSE SAND AS RECOMMENDED BY UNDERLAYMENT MANUFACTURER A. PROVIDE AGGREGATE WHEN RECOMMENDED IN WRITING BY UNDERLAYMENT MANUFACTURER FOR UNDERLAYMENT THICKNESS REQUIRED. WATER: POTABLE ADA A TEMPERATURE OF NOT MORE THAN 70 DEG F (21 DEGC.

4. REINFORCEMENT: FOR UNDERLAYMENT APPLIED TO WOOD SUBSTRATES, PROVIDE GALVANIZED METAL. LATH OR OTHER CORROSION-RESISTANT REINFORCEMENT RECOMMENDED IN WRITING BY UNDERLAYMENT MANUFACTURER 5. PRIMER: PRODUCT OF UNDERLAYMENT MANUFACTURER RECOMMENDED IN WRITING FOR SUBSTRATE, CONDITIONS, AND APPLICATION INDICATED.

05 00 00 - METALS - COMMON WORK RESULTS 1. DESIGN, ENGINEER, FABRICATE, AND INSTALL METAL FABRICATIONS TO WITHSTAND THE FOLLOWING STRUCTURAL LOADS WITHOUT EXCEEDING THE ALLOWABLE DESIGN WORKING STRESS OF THE MATERIALS INVOLVED, INCLUDING ANCHORS AND CONNECTIONS. APPLY EACH LOAD TO PRODUCE THE MAXIMUM STRESS IN EACH RESPECTIVE COMPONENT OF EACH METAL FABRICATION. ARRANGE FOR REQUIRED DESIGN WORK TO BE PERFORMED BY A PROFESSIONAL ENGINEER WHO IS LEGALLY AUTHORIZED TO PRACTICE IN THE JURISDICTION WHERE THE PROJECT IS LOCATED AND WHO IS EXPERIENCED IN PROVIDING ENGINEERING SERVICES OF THE KIND INDICATED AND THAT HAVE

RESULTED IN SUCCESSFUL INSTALLATION OF METAL FABRICATIONS SIMILAR IN MATERIAL, DESIGN, AND EXTENT TO THOSE REQUIRED FOR PROJECT. 05 50 00 - METAL FABRICATIONS 1. METAL SURFACES, GENERAL: PROVIDE MATERIALS WITH SMOOTH, FLAT SURFACES WITHOUT BLEMISHES. 2. STEEL PLATES, SHAPES, AND BARS: ASTM A 36/A 36M. STAINLESS-STEEL BARS AND SHAPES: ASTM A 276, TYPE 304.

4. STEEL TUBING: COLD-FORMED STEEL TUBING COMPLYING WITH ASTM A 500

5. STEEL PIPE: ASTM A 53, STANDARD WEIGHT (SCHEDULE 40), UNLESS ANOTHER WEIGHT IS

INDICATED OR REQUIRED BY STRUCTURAL LOADS. 6. ALUMINUM: EXTRUSIONS: ASTM B 221 (ASTM B 221M), ALLOY 6063-T6. SHEAR AND PUNCH METALS CLEANLY AND ACCURATELY. REMOVE BURRS 8. WELD CORNERS AND SEAMS CONTINUOUSLY. USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE METALS. OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP. REMOVE WELDING FLUX IMMEDIATELY. FINISH EXPOSED WELDS SMOOTH AND BLENDED.

9. MISCELLANEOUS FRAMING AND SUPPORTS: FABRICATE STEEL FRAMING AND SUPPORTS THAT ARE DRILL. AND TAP UNITS TO RECEIVE HARDWARE. HANGERS, AND SIMILAR ITEMS. 10. FINISH METAL FABRICATIONS AFTER ASSEMBLY. COMPLY WITH NAAMM "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS" FOR RECOMMENDATIONS FOR APPLYING AND DESIGNATING FINISHES. SHOP PRIME FERROUS-METAL ITEMS NOT INDICATED TO BE GALVANIZED.

06 00 00 - WOOD, PLASTICS, AND COMPOSITES - COMMON WORK RESULTS 1. PROVIDE WOOD PRODUCTS FOR WHICH ALL SOLID AND VENEER WOOD MATERIAL ORIGINATES FROM A SUSTAINABILITY MANAGED FOREST CERTIFIED BY A FOREST STEWARDSHIP COUNCIL (FSC) ACCREDITED CERTIFICATION AGENCY.

2. ADHERE WOOD VENEER AND PLASTIC LAMINATE TO SUBSTRATE USING ADHESIVES THAT COMPLY WITH LOW-VOC (VOLATILE ORGANIC COMPOUND) REQUIREMENTS. USE COMPOSITE WOOD PRODUCTS THAT CONTAIN NO UREA FORMALDEHYDE 4. PROVIDE THE FOLLOWING SUBMITTALS: A. LEED CREDIT EQ 4.1: MANUFACTURERS' PRODUCT DATA FOR CONSTRUCTION ADHESIVE, INCLUDING PRINTED STATEMENT OF VOC CONTENT

B. LEED CREDIT EQ 4.4: COMPOSITE WOOD MANUFACTURER'S PRODUCT DATA FOR EACH

COMPOSITE WOOD PRODUCT USED INDICATING THAT BONDING AGENT USED CONTAINS NO URFA FORMAL DEHYDE C. LEED CREDIT MR 7: CERTIFICATES OF CHAIN-OF-CUSTODY SIGNED BY MANUFACTURERS CERTIFYING THAT PRODUCTS SPECIFIED TO BE MADE FROM CERTIFIED WOOD WERE MADE FROM WOOD OBTAINED FROM FORESTS CERTIFIED BY AN ESC-ACCREDITED CERTIFICATION BODY TO COMPLY WITH FSC 1.2, "PRINCIPLES AND CRITERIA." INCLUDE EVIDENCE THAT MILL IS CERTIFIED FOR CHAIN-OF-CUSTODY BY AN FSC-ACCREDITED CERTIFICATION BODY.

06 10 00 - ROUGH CARPENTRY 1. PROVIDE WOOD FOR SUPPORT OR ATTACHMENT OF OTHER WORK INCLUDING ROOFTOP EQUIPMENT CURBS AND SUPPORT BASES, CANT STRIPS, BUCKS, NAILERS, BLOCKING, FURRING, GROUNDS STRIPPING AND SIMILAR MEMBERS. PROVIDE LUMBER OF SIZES INDICATED, WORKED INTO SHAPES 2. MOISTURE CONTENT: 19 PERCENT MAXIMUM FOR LUMBER ITEMS. INCLUDING ITEMS TO RECEIVE WOOD PRESERVATIVE TREATMENT OR FIRE RETARDANT TREATMENT 3. GRADE: STANDARD GRADE LIGHT FRAMING SIZE LUMBER OF ANY SPECIES OR BOARD SIZE LUMBER AS REQUIRED. NO. 3 COMMON OR STANDARD GRADE BOARDS PER SPIB. WCLIB OR WWPA RULES APPLICABLE TO AGENCY UNDER WHICH LUMBER IS GRADED. 4. PLYWOOD BACKING PANELS: FOR MOUNTING ELECTRICAL OR TELEPHONE EQUIPMENT, PROVIDE FIRE-RETARDANT TREATED PLYWOOD PANELS WITH GRADE DESIGNATION. APA C-D PLUGGED INT WITH EXTERIOR GLUE, IN THICKNESS INDICATED, OR, IF NOT OTHERWISE INDICATED, NOT LESS THAN 3/4-INCH 5. FIRE-RETARDANT TREATMENT: WHERE FIRE-RETARDANT TREATED WOOD IS REQUIRED BY CONSTRUCTION TYPE, PRESSURE IMPREGNATE LUMBER AND PLYWOOD WITH FIRE-RETARDANT CHEMICALS TO COMPLY WITH AWPA C20 AND C27, RESPECTIVELY. 6. PRESERVATIVE TREATMENT: PRESSURE PRESERVATIVE TREAT ALL ROOF CURBS, NAILERS AND BLOCKING WITH EXTERIOR EXPOSURE AND EXTERIOR ITEMS IN CONTACT WITH CONCRETE OR

06 40 00 - ARCHITECTURAL WOODWORK 1. QUALITY STANDARDS: COMPLY WITH ONE OF THE FOLLOWING: A. AWI'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS" FOR GRADES OF INTERIOR ARCHITECTURAL WOODWORK, CONSTRUCTION, FINISHES, AND OTHER REQUIREMENTS. PROVIDE AWI CERTIFICATION LABELS OR COMPLIANCE CERTIFICATE INDICATING THAT WOODWORK COMPLIES WITH REQUIREMENTS B. WI (FORMERLY WIC) "MANUAL OF MILLWORK" FOR GRADES OF INTERIOR ARCHITECTURAL WOODWORK, CONSTRUCTION, FINISHES, AND OTHER REQUIREMENTS. PROVIDE WIC-CERTIFIED COMPLIANCE

MASONRY WITH AMMONIACAL, OR AMINE, COPPER QUAT (ACQ) IN ACCORDANCE WITH AWPA C2

(LUMBER) ADAPA C9 (PLYWOOD).

CERTIFICATE INDICATING THAT WOODWORK COMPLIES WITH REQUIREMENTS OF GRADES SPECIFIED. PROVIDE WIC-CERTIFIED COMPLIANCE CERTIFICATE FOR INSTALLATION. 2. PROVIDE MATERIALS THAT COMPLY WITH REQUIREMENTS OF THE REFERENCED PRODUCT STANDARDS FOR GRADE INDICATED. 3. HARDBOARD: ANSI/AHA A135.4. 4. MEDIUM DENSITY FIBERBOARD (MDF): ANSI A208.2; FORMALDEHYDE FREE.

5. PARTICLEBOARD: NOT ALLOWED. SOFTWOOD PLYWOOD: PS 1 7. FORMALDEHYDE EMISSION LEVELS: PROVIDE FORMALDEHYDE FREE MATERIALS. FABRICATION: COMPLY WITH DETAILS AND CONSTRUCTION TYPES INDICATED. 9. CABINET HARDWARE AND ACCESSORY MATERIALS: AS INDICATED ON DRAWINGS AND SCHEDULES. 10. FACTORY FINISHING OF INTERIOR ARCHITECTURAL WOODWORK

A. AWI SECTION 1500, UNLESS OTHERWISE INDICATED B. WI SECTION 1, "GENERAL INFORMATION - TECHNICAL BULLETIN", REQUIREMENTS FOR "FACTORY FINISHING OF MILL WORK" C. GRADE: CUSTOM. D. FINISH: AWI SYSTEM TR-4, CONVERSION VARNISH; WI SYSTEM #2, CONVERSION VARNISH. F. STAINING FEFECT, SHEEN: TO MATCH APPROVED SAMPLES. 11. INSTALL WOODWORK PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. SHIM AS

SURFACES. COMPLY WITH INSTALLATION REQUIREMENTS ESTABLISHED BY REFERENCED STANDARDS. 07 00 00 - THERMAL AND MOISTURE PROTECTION - COMMON WORK RESULTS 1. LEED REQUIREMENTS - CREDIT EQ 4.2 SUBMITTAL: PRODUCT DATA FOR DAMPPROOFING USED ON THE INTERIOR OF THE BUILDING INDICATING VOC CONTENT IN G/L CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).

REQUIRED USING CONCEALED SHIMS. INSTALL TO A TOLERANCE OF 1/8-INCH IN 8-FEET-0-INCHES

FOR PLUMB AND LEVEL (INCLUDING TOPS): AND WITH NO VARIATIONS IN FLUSHNESS OF ADJOINING

07 81 00 - APPLIED FIREPROOFING 07 81 05 - PATCHING DAMAGED FIREPROOFING 1. PROVIDE MATERIALS AND CONSTRUCTION THAT ARE IDENTICAL TO THOSE TESTED BY UNDERWRITER'S LABORATORY, INC., FOR FIRE RATED ASSEMBLY DESIGN NUMBERS INDICATED. 2 DO NOT REMOVE ANY SPRAYED-ON FIRE RESISTIVE MATERIAL WITHOUT PRIOR APPROVAL RECOAT FIRE RESISTIVE MATERIALS DAMAGED BY OTHER TRADES AND SURFACES WHERE FIRE RESISTIVE MATERIAL HAS BEEN REMOVED FOR INSTALLATION OF RELATED WORK; COST OF REPAIRS TO BE

BORNE BY RESPECTIVE TRADES 3. SPRAYED FIRE RESISTIVE MATERIAL: CEMENTITIOUS SPRAYED FIRE RESISTIVE MATERIAL CONSISTING OF FACTORY MIXED, DRY FORMULATION OF GYPSUM OR PORTLAND CEMENT BINDERS AND LIGHTWEIGHT MINERAL OR SYNTHETIC AGGREGATES MIXED WITH WATER AT PROJECT SITE TO FORM A SLURRY OR MORTAR FOR CONVEYANCE AND APPLICATION ADA REQUIRED FOR THE UL DESIGNS INDICATED. A CONCEALED APPLICATION: MATERIALS APPLIED TO SURFACES THAT ARE CONCEALED FROM VIEW BEHIND OTHER CONSTRUCTION WHEN THE WORK IS COMPLETED. INTENDED TO BE CONCEALED BY TENANT IMPROVEMENTS, AND WHICH HAVE NOT BEEN DEFINED AS EXPOSED. 1. BASIS OF DESIGN PRODUCTS: W. R. GRACE - "MONOKOTE TYPE MK-6" FULLY CONCEALED;

B. EXPOSED INTERIOR APPLICATION: MATERIALS ARE THOSE APPLIED TO SURFACES THAT ARE EXPOSED TO VIEW WHEN THE WORK IS COMPLETED. THAT ARE IN ELEVATOR SHAFTS AND MACHINE ROOMS, THAT ARE IN MECHANICAL ROOMS, AND THAT ARE IDENTIFIED AS EXPOSED ON DRAWINGS.

1. BASIS OF DESIGN PRODUCTS: "MONOKOTETYPE Z106 & Z106/HY" EXPOSED INTERIOR; "MONOKOTETYPE Z146" SUBJECT TO IMPACT.

07 80 00 - FIRE AND SMOKE PROTECTION 07 84 13 - PENETRATION FIRESTOPPING 07 84 46 - FIRE-RESISTIVE JOINT SYSTEMS

1. PROVIDE RATED SYSTEMS PER ASTM E 814 or UL 1479 AT PENETRATIONS OF RATED CONSTRUCTION. 2. PERFORMANCE REQUIREMENTS A. F-RATINGS: PROVIDE FIRESTOP SYSTEMS WITH F-RATINGS EQUALING OR EXCEEDING FIRE-RESISTANCE RATING OF CONSTRUCTIONS PENETRATED AS DETERMINED PER ASTM E 814. B. T-RATINGS: PROVIDE FIRESTOP SYSTEMS WITH T-RATINGS REQUIRED. AS WELL AS F-RATINGS. DETERMINED PER ASTM E 814, WHERE SYSTEMS PROTECT PENETRATING ITEMS WITH POTENTIAL TO CONTACT ADJACENT MATERIALS IN OCCUPIABLE FLOOR AREAS INCLUDING, BUT NOT LIMITED, TO THE FOLLOWING:

1. PENETRATIONS LOCATED OUTSIDE WALL CAVITIES. 2. PENETRATIONS LOCATED OUTSIDE FIRE-RESISTIVE SHAFT ENCLOSURES. 3. PENETRATIONS LOCATED IN CONSTRUCTION CONTAINING FIRE-PROTECTION-RATED OPENINGS 4. PENETRATING ITEMS LARGER THAN 4-INCH- (100-MM-) DIAMETER NOMINAL

PIPE OR 16 SQ. IN. (100 SQ. CM) IN OVERALL CROSS-SECTIONAL AREA. C. FOR FIRESTOP SYSTEMS EXPOSED TO VIEW, TRAFFIC, MOISTURE, AND PHYSICAL DAMAGE, PROVIDE PRODUCTS THAT AFTER CURING DO NOT DETERIORATE WHEN EXPOSED TO THESE CONDITIONS BOTH DURING AND AFTER CONSTRUCTION. D. FOR THROUGH-PENETRATION FIRESTOP SYSTEMS EXPOSED TO VIEW, PROVIDE PRODUCTS WITH FLAME-SPREAD INDICES OF LESS THAN 25 AND SMOKE-DEVELOPED INDICES OF LESS THAN 450,

WHEN TESTED PER ASTM E 84 E. FIRE-TEST-RESPONSE CHARACTERISTICS: PROVIDE RATED SYSTEMS IDENTICAL TO THOSE TESTED PER ASTM E 814 AND WITH PRODUCTS BEARING THE CLASSIFICATION MARKING OF A QUALIFIED TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. 3. FIRESTOP SYSTEMS: COMPATIBLE WITH THE SUBSTRATES FORMING OPENINGS, AND WITH THE ITEMS, IF ANY, PENETRATING FIRESTOP SYSTEMS, UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE 4. ACCESSORIES: PROVIDE ACCESSORIES REQUIRED TO INSTALL FILL MATERIALS THAT COMPLY WITH REQUIREMENTS OF TESTED ASSEMBLIES, ARE APPROVED BY QUALIFIED TESTING AND INSPECTING AGENCY THAT PERFORMED TESTING, AND SPECIFIED BY MANUFACTURER OF TESTED ASSEMBLIES.

5. INSTALL THROUGH-PENETRATION FIRESTOP SYSTEMS TO MEET RATINGS REQUIRED AND TO COMPLY WITH

FIRESTOP SYSTEM MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND PUBLISHED DRAWINGS

FOR PRODUCTS DUPLICATIONS INDICATED. 07 92 00 - JOINT SEALANTS - INTERIOR WORK 1. VOC CONTENT OF INTERIOR SEALANTS: PROVIDE INTERIOR SEALANTS AND SEALANT PRIMERS THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59. SUBPART D (EPA METHOD 24): 250 G/L FOR SEALANTS AND SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 775 G/L. FOR SEALANT PRIMERS FOR POROUS SUBSTRATES. 2. LEED REQUIREMENTS - CREDIT EQ 4.1 SUBMITTALS: FURNISH MANUFACTURERS' PRODUCT DATA FOR INTERIOR SEALANTS. INCLUDING PRINTED STATEMENT OF VOC CONTENT 3. GENERAL SEALANT (ACRYLIC-EMULSION): MANUFACTURER'S STANDARD, ONE-PART, NON-SAG, MILDEW-RESISTANT, ACRYLIC-EMULSION SEALANT COMPLYING WITH ASTM C 834, FORMULATED TO BE PAINTABLE AND RECOMMENDED FOR EXPOSED APPLICATIONS ON INTERIOR AND PROTECTED EXTERIOR EXPOSURES INVOLVING JOINT MOVEMENT OF NOT MORE THAN 7.5%. 4. SANITARY SEALANT: ONE-PART MILDEW-RESISTANT SILICONE SEALANT: TYPE S; GRADE NS; CLASS 25; USES NT. G. A. AND. AS APPLICABLE TO NONPOROUS JOINT SUBSTRATES INDICATED. O: FORMULATED WITH FUNGICIDE: INTENDED FOR SEALING INTERIOR JOINTS WITH NONPOROUS SUBSTRATES AND SUBJECT TO IN-SERVICE EXPOSURE TO CONDITIONS OF HIGH HUMIDITY AND TEMPERATURE EXTREMES.

08 11 13 - HOLLOW METAL DOORS AND FRAMES - (STEEL) 1. STEEL DOOR AND FRAME STANDARD: COMPLY WITH ANSI A 250.8, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED 2. FIRE-RATED DOOR ASSEMBLIES: ASSEMBLIES COMPLYING WITH NFPA 80 THAT ARE LISTED AND LABELED, FOR FIRE-PROTECTION RATINGS INDICATED, BASED ON TESTING ACCORDING TO NFPA 252. 3. COLD-ROLLED STEEL SHEETS: ASTM A 366/A 366M, COMMERCIAL STEEL (CS), OR ASTM A 620/A 620M, DRAWING STEEL (DS), TYPE B: STRETCHER-LEVELED STANDARD OF FLATNESS. 4. METALLIC-COATED STEEL SHEETS: ASTM A 653/A 653M, COMMERCIAL STEEL (CS), TYPE B, WITH AN A40 (ZF120) ZINC-IRON-ALLOY (GALVANNEALED) COATING; STRETCHER-LEVELED STANDARD OF FLATNESS. DOORS AND FRAMES SHALL COMPLYING WITH ANSI 250.8 6. TYPICAL INTERIOR FRAMES SHALL BE KNOCK-DOWN CONSTRUCTION. 7. DOOR INSTALLATION: COMPLY WITH ANSI A250.8. SHIM AS NECESSARY TO COMPLY WITH SDI 122 AND ANSI/DHI A115.1G. INSTALL FIRE-RATED DOORS WITHIN CLEARANCES SPECIFIED IN NFPA 80. INSTALL SMOKE CONTROL DOORS TO COMPLY WITH NFPA 105. 8. PLACING FRAMES: COMPLY WITH PROVISIONS IN SDI 105, UNLESS OTHERWISE INDICATED.

PRODUCT - DOW CORNING 786 OR GE SILICONES; SANITARY 1700.

UNTIL PERMANENT ANCHORS ARE SET. 08 12 16 - INTERIOR ALLIMINUM FRAMES 1. ALUMINUM MEMBERS: ALLOY AND TEMPER RECOMMENDED BY THE MANUFACTURER FOR STRENGTH, CORROSION RESISTANCE, AND APPLICATION OF REQUIRED FINISH; COMPLY WITH ASTM B 221 FOR ALUMINUM EXTRUSIONS, ASTM B 209 FOR ALUMINUM SHEET OR PLATE, ADATM B 211 FOR

SET FRAMES ACCURATELY IN POSITION, PLUMBED, ALIGNED, AND BRACED SECURELY

ALUMINUM BARS, RODS AND WIRE. 2. CARBON STEEL REINFORCEMENT OF ALUMINUM FRAMING MEMBERS SHALL COMPLY WITH ASTM A 36 FOR STRUCTURAL SHAPES. PLATES AND BARS, ASTM A 611 FOR COLD ROLLED SHEET AND STRIP, OR ASTM A 570 FOR HOT ROLLED SHEET AND STRIP. . FRAMING SYSTEM: PROVIDE ALUMINUM FRAMING SYSTEMS FABRICATED FROM EXTRUDED ALUMINUM MEMBERS OF SIZE AND PROFILE INDICATED. INCLUDE SUBFRAMES AND OTHER REINFORCING MEMBERS REQUIRED FOR PERFORMANCE.

A. SNAP-IN TYPE GLAZING BEADS WITH MANUFACTURER'S STANDARD NEOPRENE GASKETS. B. CORNERS SHARP WITH ALL JOINTS MITERED HAIRLINE, UNLESS OTHERWISE SHOWN, MITER ALL CORNERS WHERE OPEN ENDS OF EXTRUSIONS OR VOIDS WOULD BE VISIBLE IF BUTT JOINTS WERE USED. THIS INCLUDES SIDELIGHTS AND OVERHEAD BORROWED LIGHT FRAMES. PROVIDE SUITABLE ANCHORAGE FOR EACH WALL CONDITION. TO INCLUDE SILL ANCHORAGE AT DOORS, HEAD ANCHORAGE AT ALL OPENINGS 3-FEET'-0-INCH AND WIDER, INTERMEDIATE EVENLY SPACE JAMB ANCHORS NOT TO EXCEED 2-FEET-0-INCH IN CENTER. ALL FRAME FASTENINGS AND ANCHORS SHALL BE CONCEALED.

5. REINFORCEMENT: PROVIDE REINFORCEMENT AT BUILDERS HARDWARE AND TO PREVENT DISTORTION OF FRAMES. 6. MACHINE ALUMINUM FRAMES FOR MOUNTING OF HARDWARE. 7. PROVIDE REINFORCEMENTS AT HINGE LOCATIONS, STRIKES, ADA CLOSERS.

8. COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION. SET UNITS PLUMB. LEVEL. AND TRUE TO LINE. WITHOUT WARP OR RACK OF FRAMING MEMBERS. DOORS, OR PANELS. INSTALL COMPONENTS IN PROPER ALIGNMENT AND RELATION TO ESTABLISHED LINES AND GRADES INDICATED. PROVIDE PROPER SUPPORT AND ANCHOR SECURELY IN PLACE.

08 14 10 - FLUSH WOOD DOORS 1. QUALITY STANDARD: COMPLY WITH NWWDA I.S.1-A, "ARCHITECTURAL WOOD FLUSH DOORS." FIRE-RATED WOOD DOORS: DOORS THAT ARE LISTED AND LABELED BY A TESTING AND INSPECTING. AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, FOR FIRE RATINGS INDICATED. A. TEST PRESSURE: BASED ON TESTING AT POSITIVE PRESSURE ACCORDING TO APPLICABLE CODE. 3 DOORS FOR TRANSPARENT FINISH: PREMIUM GRADE, WITH GRADE AA FACES, SPECIES INDICATED 4. DOORS FOR OPAQUE FINISH: CUSTOM GRADE, WITH FACES OF CLOSED-GRAIN HARDWOOD. 5. PLASTIC-LAMINATE-FACED DOORS: CUSTOM GRADE, HIGH-PRESSURE DECORATIVE LAMINATES COMPLYING WITH NEMA LD 3, GRADE HGS. 6. INTERIOR DOOR CONSTRUCTION: PARTICLEBOARD CORE, FIVE PLIES WITH STILES AND RAILS BONDED

TO CORE, THEN ENTIRE UNIT ABRASIVE PLANED BEFORE VENEERING. PROVIDE EITHER GLUED-BLOCK OR STRUCTURAL COMPOSITE LUMBER CORES INSTEAD OF PARTICLEROARD CORES AT LOCATIONS WHERE EXIT DEVICES ARE INDICATED. 7. FIRE-RATED DOORS: CONSTRUCTION AND CORE SPECIFIED ABOVE FOR TYPE OF FACE INDICATED OR MANUFACTURER'S STANDARD MINERAL-CORE CONSTRUCTION AS NEEDED TO PROVIDE FIRE RATING INDICATED A. EDGE CONSTRUCTION: INTUMESCENT SEALS CONCEALED BY OUTER STILE MATCHING FACE VENEER,

AND LAMINATED BACKING FOR IMPROVED SCREW-HOLDING CAPABILITY AND SPLIT RESISTANCE. B. PAIRS: FURNISH FORMED-STEEL EDGES ADATRAGALS WITH INTUMESCENT SEALS FOR PAIRS OF FIRE-RATED DOORS, UNLESS OTHERWISE INDICATED. C. THE DOOR AND FRAME SHALL BEAR AN APPROVED LABEL OR OTHER IDENTIFICATION SHOWING THE RATING THEREOF, FOLLOWED BY THE LETTER "S", THE NAME OF THE MANUFACTURER AND THE IDENTIFICATION OF THE SERVICE CONDUCTING THE INSPECTION OF MATERIALS AND WORKMANSHIP AT

8. BLOCKING: FOR MINERAL-CORE DOORS USE COMPOSITE BLOCKING WITH IMPROVED S CREW-HOLDING CAPABILITY TO PROVIDE A MINIMUM 500 LB. SCREW WITHDRAWAL RESISTANCE PER ASTM D 143/NWWDA TM-10 (NOW PUBLISHED BY WDMA) AND MINIMUM 200,000 SLAM CYCLES PER ANSI A 151.1/NWWDA TM-7 (NOW PUBLISHED BY WDMA) WITHOUT FAILURE. 9. FINISH DOORS AT FACTORY THAT ARE INDICATED TO RECEIVE TRANSPARENT FINISH. FIELD FINISH DOORS INDICATED TO RECEIVE OPAQUE FINISH. PROVIDE PREMIUM GRADE FINISH EQUAL TO NWWDA

I.S.1-A SYSTEM TR-4 CONVERSION VARNISH. MATCH ARCHITECT'S APPROVED SAMPLE

THE FACTORY DURING FABRICATION AND ASSEMBLY.

FINISH SURFACES.

SURFACE INDICATED.

10. INSTALL DOORS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, REFERENCED QUALITY STANDARD, ADA INDICATED. INSTALL FIRE-RATED DOORS IN CORRESPONDING FIRE-RATED FRAMES ACCORDING TO NFPA 80. 08 31 00 - ACCESS DOORS AND PANELS 1. PROVIDE ACCESS DOORS AND PANELS AS SHOWN ON THE DRAWINGS ADA REQUIRED FOR ACCESS TO UTILITIES AND EQUIPMENT. FURNISH EACH ACCESS DOOR ASSEMBLY MANUFACTURED

AS AN INTEGRAL UNIT, COMPLETE WITH ALL PARTS, AND READY FOR INSTALLATION. A. FIRE-RATED ACCESS DOORS AND FRAMES: UNITS COMPLYING WITH NFPA 80 THAT ARE IDENTICAL TO ACCESS DOOR AND FRAME ASSEMBLIES TESTED FOR FIRE-TEST-RESPONSE CHARACTERISTICS PER THE FOLLOWING TEST METHOD AND THAT ARE LISTED AND LABELED BY UL. 1) VERTICAL ACCESS DOORS AND FRAMES TESTED PER NEPA 252 or UI 10B. 2) HORIZONTAL ACCESS DOORS AND FRAMES TESTED PER ASTM E 119 or UL 263. 2. FLUSH METAL ACCESS DOORS AND TRIMLESS FRAMES: A. MATFRIAL:

1) PAINTED GYP.BD. SURFACES: PRIME-PAINTED COLD-ROLLED STEEL SHEET, ASTM A 1008/A 1008M, COMMERCIAL STEEL (CS), EXPOSED. 2) TILE SURFACES (TOILET ROOMS): STAINLESS STEEL, ASTM A 666, TYPE 304. REMOVE TOOL AND DIE MARKS AND STRETCH LINES OR BLEND INTO DIRECTIONAL B. DOOR: MINIMUM 0.060-INCH (1.5-MM) THICK SHEET METAL, SET FLUSH WITH SURROUNDING

C. FRAME: MINIMUM 0.060-INCH (1.5-MM) THICK SHEET METAL WITH BEAD FOR TYPE OF

D. HARDWARE: ) HINGES: CONCEALED PIN TYPE. 2) LATCH: SCREWDRIVER-OPERATED CAM LATCH. E. MANUFACTURERS: KARP ASSOCIATES, INC., MILCOR, INC., OR APPROVED EQUAL. 3. GFRG PANELS FOR EXPOSED GYPSUM BOARD CEILINGS: A. MATERIAL / CONSTRUCTION: HIGH DENSITY GYPSUM, COMPLETELY FREE OF BOTH ASBESTOS AND RESIN, REINFORCED WITH CONTINUOUS RANDOM FILAMENT GLASSFIBER MAT.

1) SHELL THICKNESS: 1/8 - 3/16-INCH B. FABRICATION: UNITS TO BE SUITABLY REINFORCED WITH STEEL OR WOOD. FINISH COMPATIBLE WITH LEVEL 5 GYPSUM BOARD FINISH. C. MANUFACTURERS: INTEX FORMS, PLASTERGLASS INC., OR APPROVED EQUAL. 08 71 00 - DOOR HARDWARE

1. PROVIDE COMMERCIAL DOOR HARDWARE FOR OPENINGS SHOWN. 2. COORDINATION: COORDINATE DOOR HARDWARE WITH OTHER WORK. FURNISH SHOP DRAWINGS OF OTHER WORK WHERE REQUIRED OR REQUESTED TO COORDINATE INSTALLATION. 3. PREPARE DOOR HARDWARE SCHEDULE UNDER THE SUPERVISION OF SUPPLIER, DETAILING FABRICATION AND ASSEMBLY OF DOOR HARDWARE AS WELL AS PROCEDURES AND DIAGRAMS COORDINATE THE FINAL DOOR HARDWARE SCHEDULE WITH DOORS, FRAMES, AND RELATED WORK TO ENSURE PROPER SIZE, THICKNESS, HAND, FUNCTION, AND FINISH OF DOOR HARDWARE. A. FORMAT: COMPLY WITH SCHEDULING SEQUENCE AND VERTICAL FORMAT IN DOOR HARDWARE INSTITUTE'S "SEQUENCE AND FORMAT FOR THE HARDWARE SCHEDULE."

B. ORGANIZATION: ORGANIZE THE DOOR HARDWARE SCHEDULE INTO DOOR HARDWARE SETS INDICATING COMPLETE DESIGNATIONS OF EVERY ITEM REQUIRED FOR EACH DOOR OR OPENING. C. PROVIDE COMPLETE HARDWARE SETS FOR ALL OPENINGS SHOWN, IN COMPLIANCE WITH LOCAL CODES AND INDUSTRY STANDARDS. D. WHERE REQUIRED TO MATCH EXISTING BUILDING ITEMS, PROVIDE MANUFACTURERS AND PRODUCTS THAT MATCH BUILDING STANDARD. E. COORDINATE DOOR FUNCTION AND KEYING WITH TENANT / OWNER. 4. FIRE-RATED DOOR ASSEMBLIES: PROVIDE DOOR HARDWARE FOR ASSEMBLIES COMPLYING WITH NFPA 80 THAT ARE LISTED AND LABELED BY A TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. FOR FIRE RATINGS INDICATED, BASED ON TESTING ACCORDING TO NFPA 252. 5. SUPPLIER QUALIFICATIONS: DOOR HARDWARE SUPPLIER WITH WAREHOUSING FACILITIES IN PROJECT'S VICINITY AND WHO IS OR EMPLOYS A QUALIFIED ARCHITECTURAL HARDWARE CONSULTANT, AVAILABLE DURING THE COURSE OF THE WORK TO CONSULT WITH CONTRACTOR, ARCHITECT, AND OWNER ABOUT DOOR HARDWARE AND KEYING.

PROVIDE DOOR REINFORCING AND BLOCKING FOR INSTALLATION OF DOOR HARDWARE WITHOUT THRU-BOLTS. DO NOT INSTALL SURFACE-MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON SUBSTRATES INVOLVED. SET UNITS LEVEL, PLUMB, AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE ATTACHMENT SUBSTRATES AS NECESSARY FOR PROPER INSTALLATION AND OPERATION. 08 80 00 - GLAZING MATERIALS: AS SCHEDULED ON THE DRAWINGS. 2. GLAZING FOR FIRE-RATED ASSEMBLIES: GLAZING FOR ASSEMBLIES THAT COMPLY WITH NFPA 80 AND THAT ARE LISTED AND LABELED BY A TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, FOR FIRE RATINGS INDICATED, BASED ON TESTING ACCORDING TO NFPA 257. 3. SAFETY GLAZING PRODUCTS: COMPLY WITH TESTING REQUIREMENTS IN 16 CFR 1201 AND, FOR WIRED GLASS, ANSI Z97.1. 4. GLAZING PUBLICATIONS: COMPLY WITH PUBLISHED RECOMMENDATIONS OF GLASS PRODUCT

6. INSTALL EACH DOOR HARDWARE ITEM TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

MANUFACTURERS AND ORGANIZATIONS BELOW, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED. REFER TO THESE PUBLICATIONS FOR GLAZING TERMS NOT OTHERWISE DEFINED IN THIS SECTION OR IN REFERENCED STANDARDS A. GLASS ASSOCIATION OF NORTH AMERICA (GANA) PUBLICATIONS: GANA LAMINATED DIVISION'S "LAMINATED GLASS DESIGN GUIDE" AND GANA'S "GLAZING MANUAL." 09 00 00 - FINISHES - COMMON WORK RESULTS 1. ADHESIVES: USE WATER-RESISTANT, LOW ODOR, LOW VOLATILE, NON-TOXIC AND EMIT LESS THAN EPA MAXIMUM EMISSION RATE GUIDELINE OF 0.6 MG/M2 HR. FOR VOLATILES: VOC CONTENT OF 65 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24); AND MEETING GOVERNMENT REQUIREMENTS, ADA RECOMMENDED BY MANUFACTURER TO SUIT PRODUCTS AND SUBSTRATE CONDITIONS INDICATED. . LEED REQUIREMENTS - CREDIT EQ 4.2 SUBMITTAL: MANUFACTURERS' PRODUCT DATA FOR PAINTS

AND COATINGS, INCLUDING PRINTED STATEMENT OF VOC CONTENT AND CHEMICAL COMPONENTS. BASIS OF DESIGN FINISH PRODUCTS ARE SCHEDULED ON THE DRAWINGS 4. INSTALLER QUALIFICATIONS: MINIMUM 3 YEARS EXPERIENCE IN WORK OF APPLICABLE SECTIONS. 5. SAMPLES: PROVIDE SAMPLES OF SIZE SUITABLE FOR REVIEW. A. SAMPLES FOR INITIAL SELECTION: SUBMIT FOR COMPONENTS WITH FACTORY-APPLIED COLOR FINISHES NOT PRE-SELECTED. B. SAMPLES FOR VERIFICATION (PRE-SELECTED COLORS AND PRODUCT CHARACTERISTICS):

SUBMIT FOR EACH COMPONENT INDICATED AND FOR EACH EXPOSED FINISH REQUIRED 6. WARRANTIES: WARRANT FINISH PRODUCTS AGAINST A. CARPET INSTALLATION: 2 YEAR WARRANTY - DEFECTIVE MATERIALS AND WORKMANSHIP, ISSUED JOINTLY BY FINISH MATERIAL MANUFACTURER, CONTRACTOR, AND INSTALLER. B. CARPET MATERIAL: MANUFACTURER'S LIMITED 10-YEAR COMMERCIAL WEAROUT / DELAMINATION / TUFT-BIND WARRANTY.

7. EXTRA STOCK: PROVIDE 2 PERCENT OF EACH CARPET TO THE OWNER. 8. INSTALL FINISH MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS TO MEET PROJECT REQUIREMENTS INDICATED. 9. MOISTURE VAPOR EMISSION TESTS - FLOORING: TEST EACH 1,000-SQ. FT. (92.9-SQ M) OF FLOORING SUBSTRATE, OR PORTION THEREOF, WITH AN ANHYDROUS CALCIUM CHLORIDE TEST KIT EQUIVALENT TO THE VAPRECISION TEST KIT PRODUCED BY VAPRECISION PROFESSIONAL VAPOR EMISSION TESTING SYSTEMS, NEWPORT BEACH, CA (TEL) 800-449-6194. A. CONDUCT TESTS FOR A MINIMUM OF 72-HOURS IN ACCORDANCE WITH THE TEST KIT

MANUFACTURERS PRINTED INSTRUCTIONS B. AN EMISSION RATE OF LESS THAN 3.0-LB/1,000 SQ FT (14.6-KG/SQ M) IN 24-HOURS INDICATES THAT SUBSTRATE IS ACCEPTABLE FOR FLOORING INSTALLATION. C. IF EMISSION RATES ARE 3.0-LB/1.000 SQ FT (14.6-KG/SQ M) IN 24- HOURS OR GREATER ANYWHERE IN

THE AREA TESTED, SUBMIT A WRITTEN TEST REPORT TO ARCHITECT AND OWNER WITHIN 24-HOURS, INDICATING THE TYPE OF TEST KIT USED AND THE TEST RESULTS AT EACH LOCATION TESTED. I IN ADDITION SUBMIT A PROPOSAL TO FURNISH AND INSTALL A VAPOR EMIS PENETRANT SYSTEM, OR A VAPOR EMISSION CONTROL COATING SYSTEM, OR A VAPOR EMISSION CONTROL DISPERSAL MEMBRANE SYSTEM AS DICTATED BY TEST RESULTS AND PRODUCED BY FLOOR SEAL TECHNOLOGY, INC., SAN JOSE, CA (TEL) 800-572-2344, OR ONE OF THE APPROPRIATE "VAPRSTOP" FAST-CURE EPOXY CONCRETE WATER SEALER SYSTEM PRODUCED BY DUPONT FLOORING SYSTEMS, KENNESAW, GA (TEL) 800-438-7668, WWW.DUPONTCOMMERCIAL.COM

09 22 16 - NON-STRUCTURAL METAL FRAMING QUALITY ASSURANCE:

3. FURRING CHANNELS (FURRING MEMBERS):

09 30 00 - TILING

A. FIRE-TEST-RESPONSE CHARACTERISTICS: FOR FIRE-RESISTANCE-RATED ASSEMBLIES THAT INCORPORATE NON-LOAD-BEARING STEEL FRAMING, PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTM E 119 BY AN INDEPENDENT TESTING AGENCY.

B. STC-RATED ASSEMBLIES: FOR STC-RATED ASSEMBLIES, PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTM E 90 AND CLASSIFIED ACCORDING TO ASTM E 413 BY AN INDEPENDENT TESTING AGENCY. 2. STEEL FRAMING: COMPLY WITH ASTM C 754 FOR CONDITIONS INDICATED. METAL COMPLYING WITH ASTM C 645 REQUIREMENTS. ASTM A 653/A 653M. G60 (Z180). HOT-DIP GALVANIZED ZINC COATING.

A. FIRESTOP TRACKS: TOP RUNNER MANUFACTURED TO ALLOW PARTITION HEADS TO EXPAND AND CONTRACT WITH MOVEMENT OF THE STRUCTURE WHILE MAINTAINING CONTINUITY OF FIRE-RESISTANCE-RATED ASSEMBLY INDICATED: IN THICKNESS NOT LESS THAN INDICATED FOR STUDS AND IN WIDTH TO ACCOMMODATE DEPTH OF STUDS. 2. GRID SUSPENSION SYSTEM FOR INTERIOR CEILINGS: ASTM C 645, DIRECT-HUNG SYSTEM COMPOSED OF MAIN BEAMS AND CROSS-FURRING MEMBERS THAT INTERLOCK.

A. COLD-ROLLED CHANNELS: 0.0538-INCH (1.37-MM) BARE-STEEL THICKNESS, WITH MINIMUM 1/2-INCH- (12.7-MM-) WIDE FLANGES, 3/4 INCH (19.1 MM) DEEP. 1. FIRE-TEST-RESPONSE CHARACTERISTICS: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTM E 119 BY AN INDEPENDENT TESTING

AND INSPECTING AGENCY 2. SOUND TRANSMISSION CHARACTERISTICS: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTM E 90 AND CLASSIFIED ACCORDING TO ASTM E 413 BY A QUALIFIED INDEPENDENT TESTING AGENCY. GYPSUM WALLBOARD: ASTM C 36, TYPE AND THICKNESS INDICATED 6. WATER-RESISTANT GYPSUM BACKING BOARD: ASTM C 630/C 630M, WITH CORE TYPE AND IN

THICKNESS INDICATED. 7. INTERIOR GALVANIZED METAL TRIM: ASTM C 1047. 8. EXTRUDED ALUMINUM TRIM: PROFILES AND DIMENSIONS INDICATED. FRY REGLET CORP., GORDON, INC., PITTCON INDUSTRIES, OR APPROVED EQUAL. JOINT TREATMENT MATERIALS:

RECOMMENDATIONS OF MANUFACTURER OF BOTH GYPSUM BOADAD JOINT TREATMENT MATERIALS FOR THE APPLICATION INDICATED. B. JOINT TAPE: PAPER REINFORCING TAPE. C. SETTING-TYPE JOINT COMPOUNDS: CHEMICAL-HARDENING POWDER. D. DRYING-TYPE JOINT COMPOUNDS: VINYL-BASED PRODUCTS. 10. NON-LOAD-BEARING STEEL FRAMING INSTALLATION: ASTM C 754, ADATM C 840 REQUIREMENTS THAT APPLY TO FRAMING INSTALLATION. 11. DEFLECTION COMPENSATION: PROVIDE DEFLECTION COMPENSATION AT THE TOP OF PARTITIONS

EXTENDING TO STRUCTURE. METHOD SHALL COMPLY WITH UBC 1997 SECTION 706, "FIRE-RESISTIVE

A. GENERAL: PROVIDE MATERIALS COMPLYING WITH ASTM C 475, ASTM C 840, AND

JOINT SYSTEMS" AND SECTION 711, "SHAFT ENCLOSURES," AND UBC STANDARD 7.1, "FIRE TEST PROCEDURES." 12. GYPSUM BOARD INSTALLATION: COMPLY WITH ASTM C 840 AND GA-216. 13. WATER-RESISTANT GYPSUM BACKING BOARD: INSTALL WITH 1/4-INCH (6.4-MM) GAP WHERE PANELS ABUT OTHER CONSTRUCTION OR PENETRATIONS

14. LEVELS OF GYPSUM BOARD FINISH: PROVIDE THE FOLLOWING LEVELS OF GYPSUM BOARD A. LEVEL 1 FOR CEILING PLENUM AREAS, CONCEALED AREAS, AND WHERE INDICATED, UNLESS A HIGHER LEVEL OF FINISH IS REQUIRED FOR FIRE-RESISTIVE-RATED ASSEMBLIES AND SOUND-RATED ASSEMBLIES B. LEVEL 2 WHERE WATER-RESISTANT GYPSUM BACKING BOARD PANELS FORM

SUBSTRATES FOR TILE, AND WHERE INDICATED. C. LEVEL 4 FOR GYPSUM BOARD SURFACES UNLESS OTHERWISE INDICATED. D. LEVEL 5 FOR GYPSUM BOARD SURFACES WHERE INDICATED TO RECEIVE SMOOTH FINISH AND/OR WALL WASH LIGHT FIXTURES.

1. TILE PRODUCTS: AS INDICATED ON DRAWINGS AND SCHEDULES. 2. WATERPROOFING AND CRACK-SUPPRESSION MEMBRANE: MANUFACTURER'S STANDARD PRODUCT THAT COMPLIES WITH ANSI A118.10; NOBLE COMPANY (THE); NOBLESEAL TS, CHLORINATED-POLYETHYLENE-SHEET. 3 PORTLAND CEMENT MORTAR (THICKSET) INSTALLATION MATERIALS: ANSI A108.1A. 4. DRY-SET PORTLAND CEMENT MORTAR (THIN SET): ANSI A118.1. 5. LATEX-PORTLAND CEMENT MORTAR (THIN SET): ANSI A118.4.

6. CHEMICAL-RESISTANT, WATER-CLEANABLE, TILE-SETTING AND -GROUTING EPOXY: ANSI A118.3.

7. POLYMER-MODIFIED TILE GROUT: ANSI A118.7, COLOR AS INDICATED. 8. ONE-PART, MILDEW-RESISTANT SILICONE: ASTM C 920; TYPE S; GRADE NS: CLASS 25: FORMULATED WITH FUNGICIDE, INTENDED FOR IN-SERVICE EXPOSURES OF HIGH HUMIDITY AND 9. ANSI TILE INSTALLATION STANDARDS: COMPLY WITH PARTS OF ANSI A108 SERIES "SPECIFICATIONS FOR INSTALLATION OF CERAMIC TILE" THAT APPLY TO TYPES OF SETTING AND GROUTING

MATERIALS AND TO METHODS INDICATED IN CERAMIC TILE INSTALLATION SCHEDULES. 10. TCA INSTALLATION GUIDELINES: TCA'S "HANDBOOK FOR CERAMIC TILE INSTALLATION." COMPLY WITH TCA INSTALLATION METHODS INDICATED IN CERAMIC TILE INSTALLATION SCHEDULES 09 50 00 - CEILINGS

09 51 00 - ACOUSTICAL CEILINGS 1. PANELS AND SUSPENSION SYSTEMS: SEE FINISH LEGEND AND SCHEDULE FOR PRODUCT SELECTIONS, COLORS, AND LOCATIONS 2. INSTALL ACOUSTICAL PANEL CEILINGS TO COMPLY WITH ASTM C 636 REQUIREMENTS. MANUFACTURER'S WRITTEN INSTRUCTIONS, AND CISCA'S "CEILING SYSTEMS HANDBOOK."

1 SUBMIT SHOP DRAWINGS INDICATINGCRPET LOCATIONS DYF LOT LIMITATIONS SEAMING PLAN METHOD OF JOINING SEAMS, DIRECTION OF CARPET IN EACH ROOM OR AREA, AND TYPE AND LOCATION OT TRANSITION STRIPS. SUBMIT SAMPLES: 12X12 INCH SAMPLES IN EACH COLOR AND PATTERN. SUBMIT SAMPLE OF TRANSITION STRIPS, 4 INCHES LONG IN EACH COLOR. 2. SEAMING MATERIALS: AS RECOMMENDED BY CARPET MANUFACTURER. ADHESIVE WATERPROOF LATEX BASED CEMENT FORMULATED SPECIFICALLY FOR INSTALLING CARPET; RECOMMENDED BY CARPET MANUFACTURER, LEVELING COMPOUND: WHITE, PREMIXED, LATEX BASED. 4. INSTALL CARPET IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND CRI 104, SECTIONS

09 68 00 - CARPETING / 09 68 13 - TILE CARPETING / 09 68 16 - SHEET CARPETING

8-"DIRECT GLUE-DOWN," 9-"DOUBLE GLUE-DOWN," 10-"ATTACHED CUSHION," 11-"STRETCH-IN UTILIZING TACKLESS STRIP," FOR SYSTEM INDICATED. 5. INSTALL CARPET TILE TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND CRI 104, SECTION 13, "CARPET MODULES (TILES)." 09 90 00 - PAINTING AND COATING

1. SUBMIT PRODUCT DATA FROM MANUFACTURER FOR PROPOSED USE. INCLUDE PRODUCT DESIGNATION AND GRADE OF EACH PAINT AND COATING TYPE. SURFACE PREPARATION MATERIALS AND PROCEDURES. AND PRODUCT ANALYSIS AND PERFORMANCE CHARACTERISTICS FOR EACH PAINT AND COATING TYPE 2. SUBMIT SAMPLES OF 8.5"X11" INCH FOR EACH TYPE PAINT SHOWING COLOR AND LUSTER, ON REPRESENTATIVE SUBSTRATE, SUBMIT 12X12 INCH TEXTURE SAMPLES ON GYPSUM BOARD BACKING. PROVIDE 1 GALLON CONTAINERS EXTRA STOCK OF EACH COLOR FINISH COAT TO THE OWNER. 4. DO NOT THIN PAINT IN EXCESS OF MANUFACTURER'S RECOMMENDATIONS 5 APPLY PAINTS AND COATINGS WITHIN MINIMUM DRY FILM THICKNESS RANGE RECOMMENDED BY MANUFACTURER. MATCH FINAL COAT OF PAINT TO APPROVED COLOR. 7. THE NUMBER OF COATS AND FILM THICKNESS REQUIRED IS THE SAME REGARDLESS OF THE APPLICATION METHOD. DO NOT APPLY SUCCEEDING COATS UNTIL THE PREVIOUS COAT HAS CURED. AS RECOMMENDED BY THE COATING MANUFACTURER. SAND BETWEEN APPLICATIONS WHERE SANDING IS REQUIRED TO PRODUCE AN EVEN SMOOTH SURFACE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. SAND LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL OR VARNISH COAT 8. APPLY ADDITIONAL COATS AND BARRIER COATS WHEN UNDERCOATS, STAINS, OR OTHER CONDITIONS SHOW THROUGH FINAL COAT OF PAINT UNTIL PAINT FILM IS OF UNIFORM SHEEN, FINISH, COLOR, AND APPEARANCE. GIVE SPECIAL ATTENTION TO ENSURE THAT SURFACES. INCLUDING EDGES. CORNERS. CREVICES, WELDS, AND EXPOSED FASTENERS, RECEIVE A DRY FILM THICKNESS EQUIVALENT TO

THAT OF FLAT SURFACES. 9. BEFORE APPLICATION OF FINISH COATS, APPLY A PRIME COAT OF MATERIAL AS RECOMMENDED BY THE MANUFACTURER TO MATERIAL THAT IS REQUIRED TO BE PAINTED OR FINISHED AND HAS NOT BEEN PRIME COATED BY OTHERS. CLEAN AND TOUCH-UP PRIME PAINT WELDS AND OTHER DAMAGED AREAS OF SHOP PRIMED ITEMS. 10. COMPLETELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE, AND COVERAGE. CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS. ROPINESS, OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE. 11. PAINT INTERIOR SURFACES OF DUCTS, WHERE VISIBLE THROUGH REGISTERS OR GRILLES, WITH A

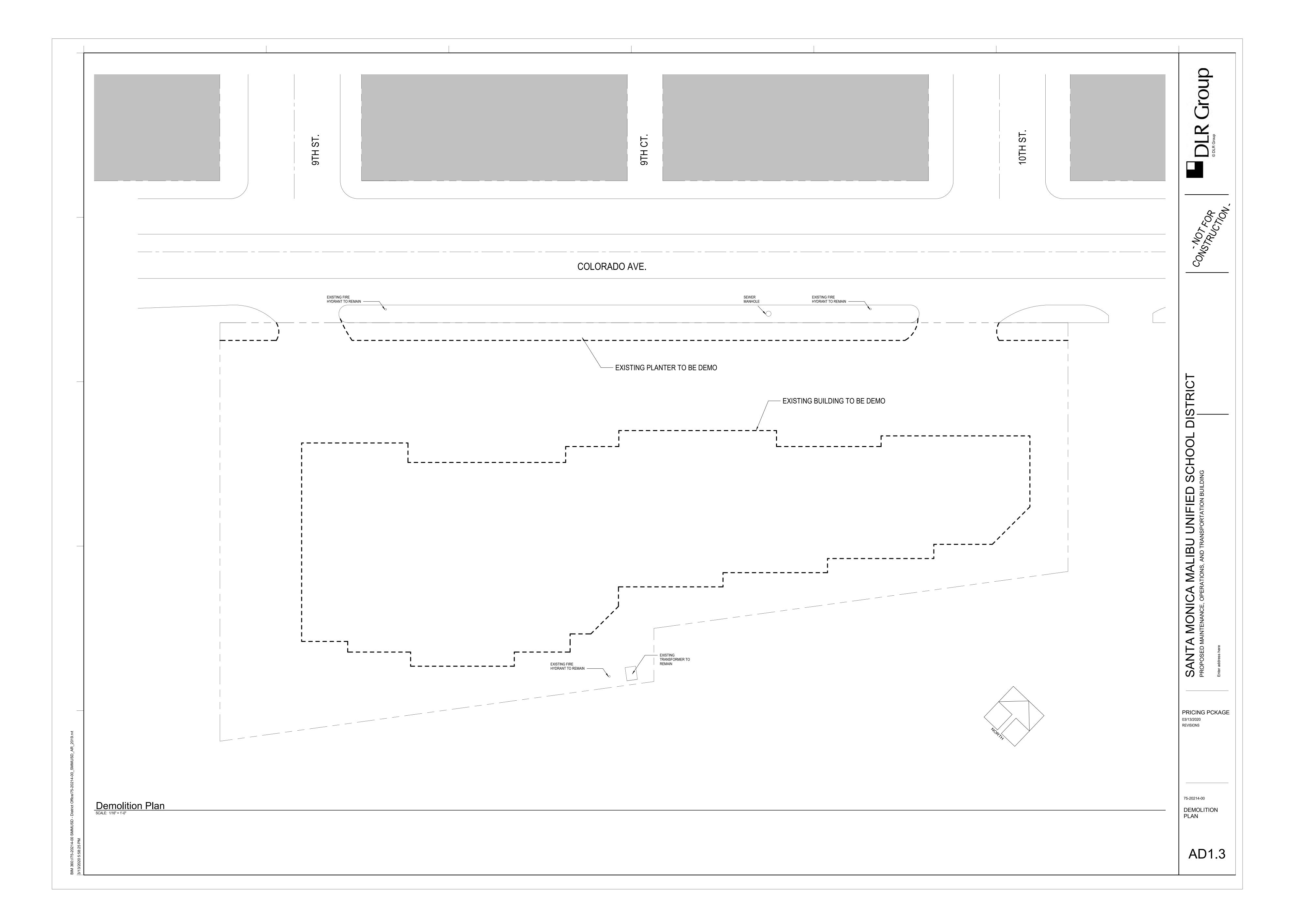
FLAT, NONSPECULAR BLACK PAINT.

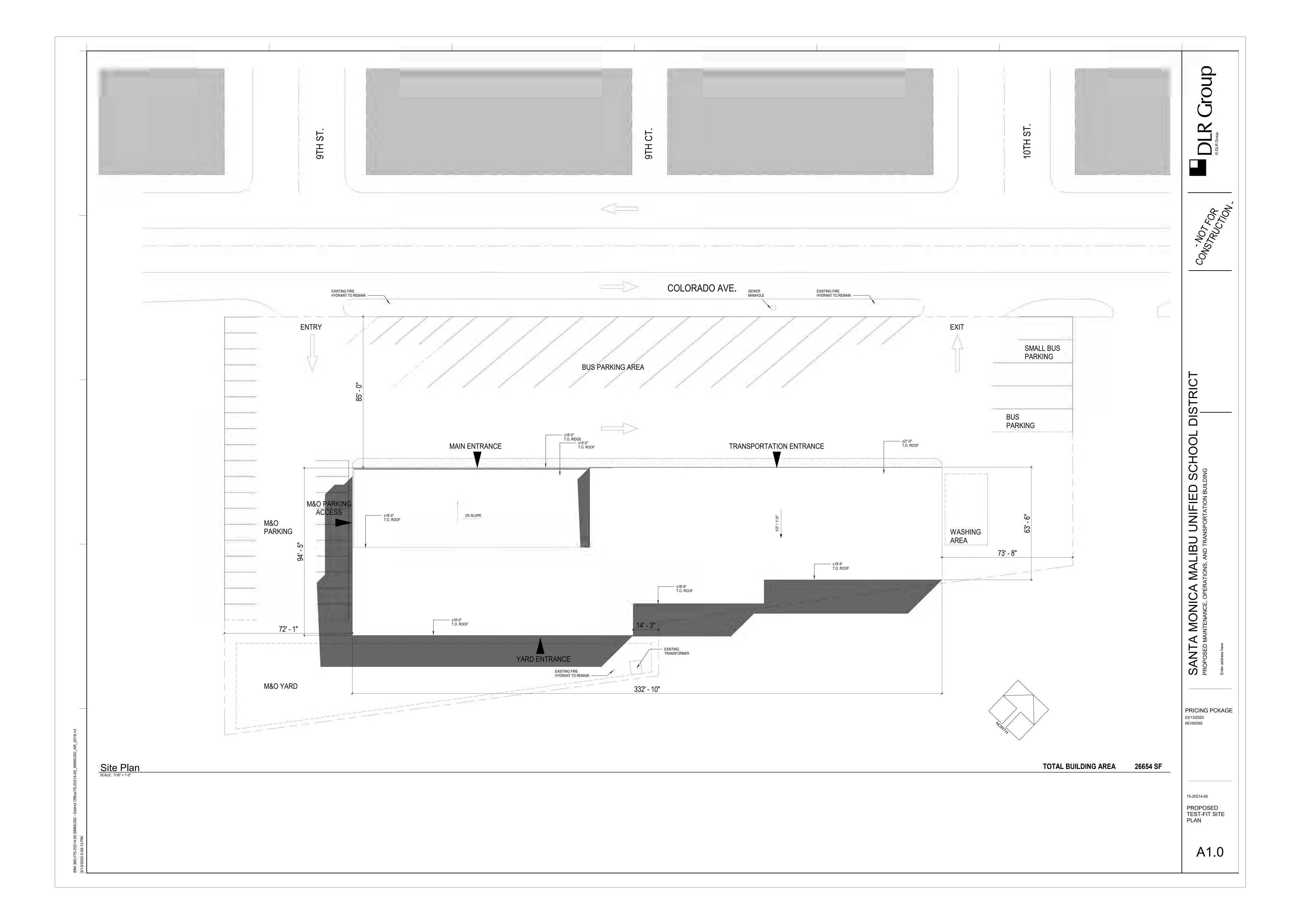
13. DRYWALL STIPPLE ENAMEL FINISH: ROLL AND REDISTRIBUTE PAINT TO AN EVEN AND FINE "ORANGE-PEEL" TEXTURE. LEAVE NO EVIDENCE OF ROLLING SUCH AS LAPS, IRREGULARITY IN TEXTURE, SKID MARKS, OR OTHER SURFACE IMPERFECTIONS 14. FINISH EXTERIOR DOORS ON TOPS, BOTTOMS, AND SIDE EDGES SAME AS EXTERIOR FACES.

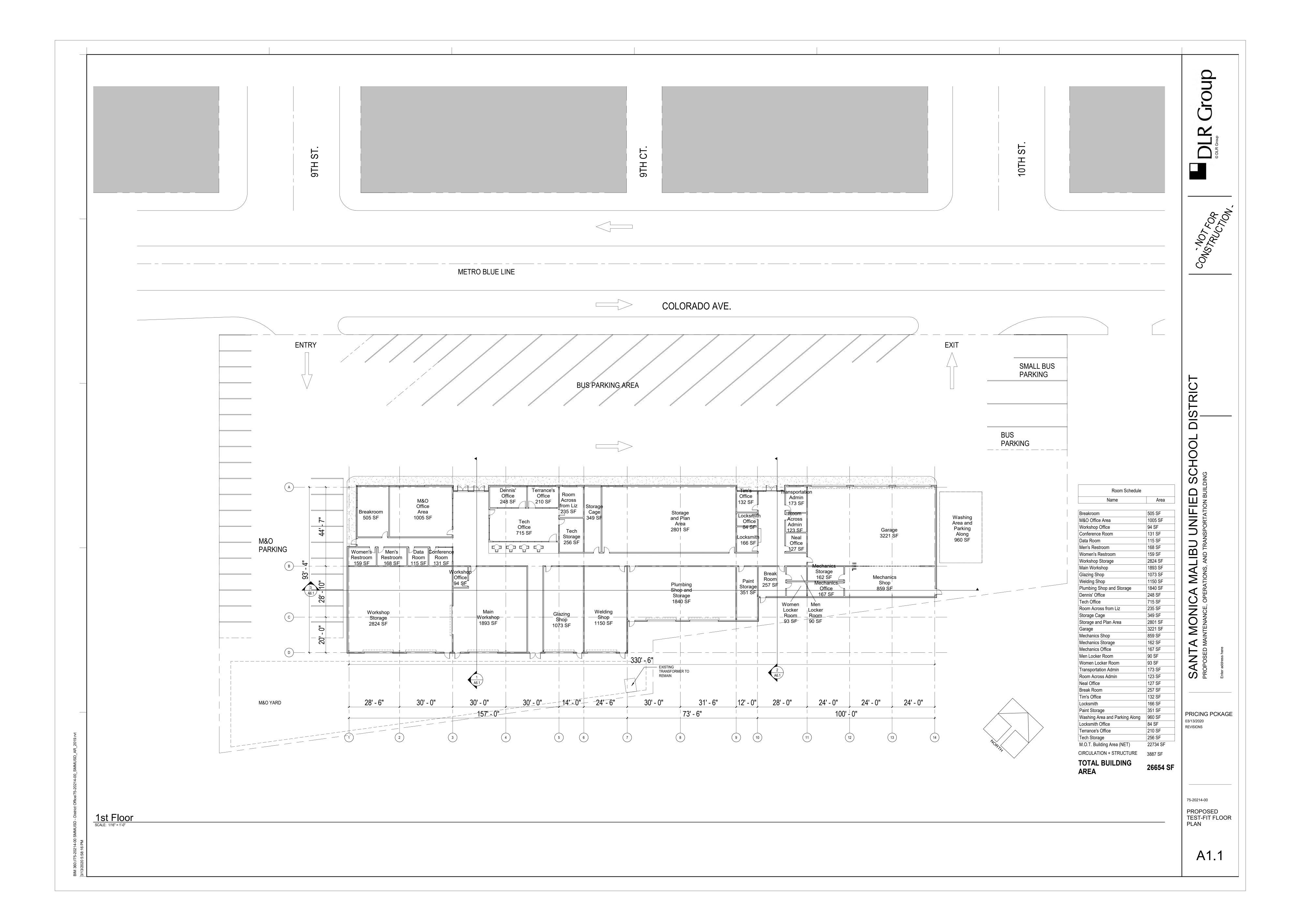
12. PAINT BACK SIDES OF ACCESS PANELS AND REMOVABLE OR HINGED COVERS TO MATCH EXPOSED

PRICING PCKAGE 03/13/2020 REVISIONS

> 75-20214-00 OUTLINE **SPECIFICATIONS**



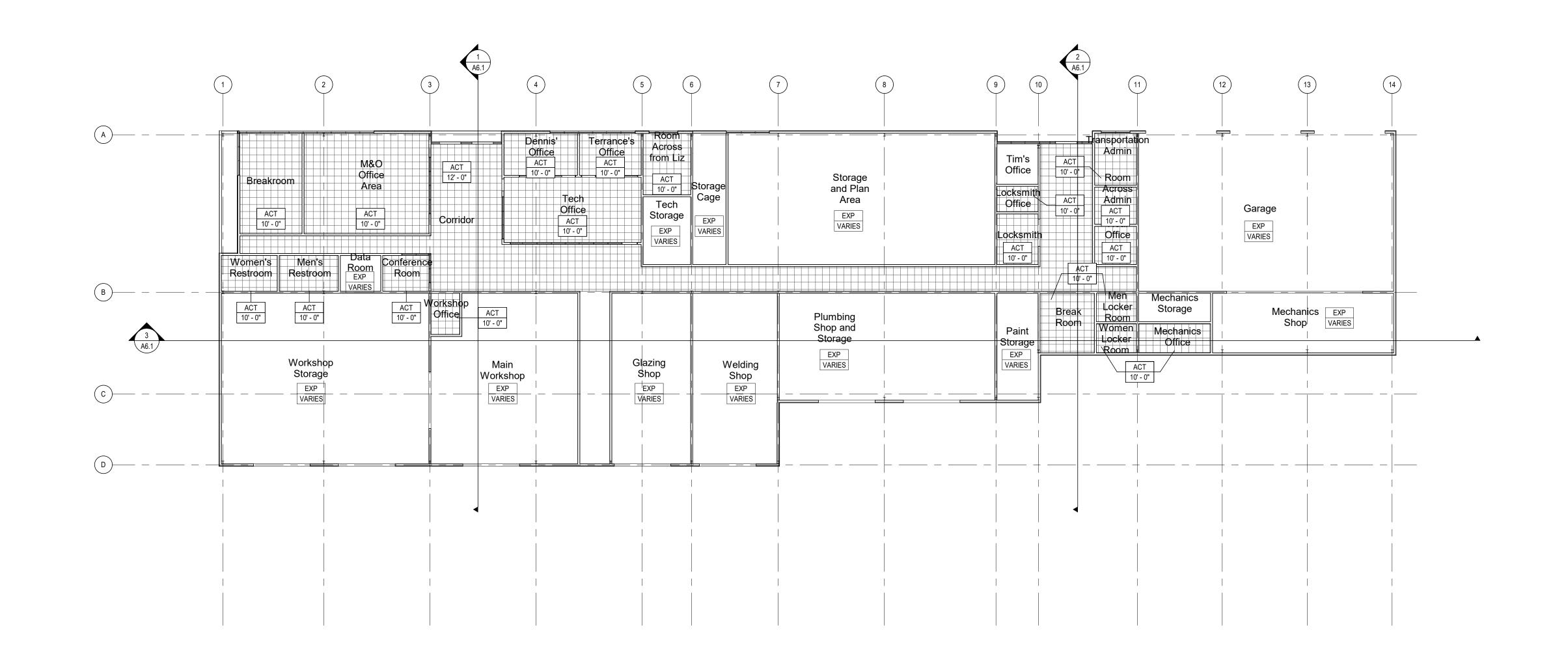




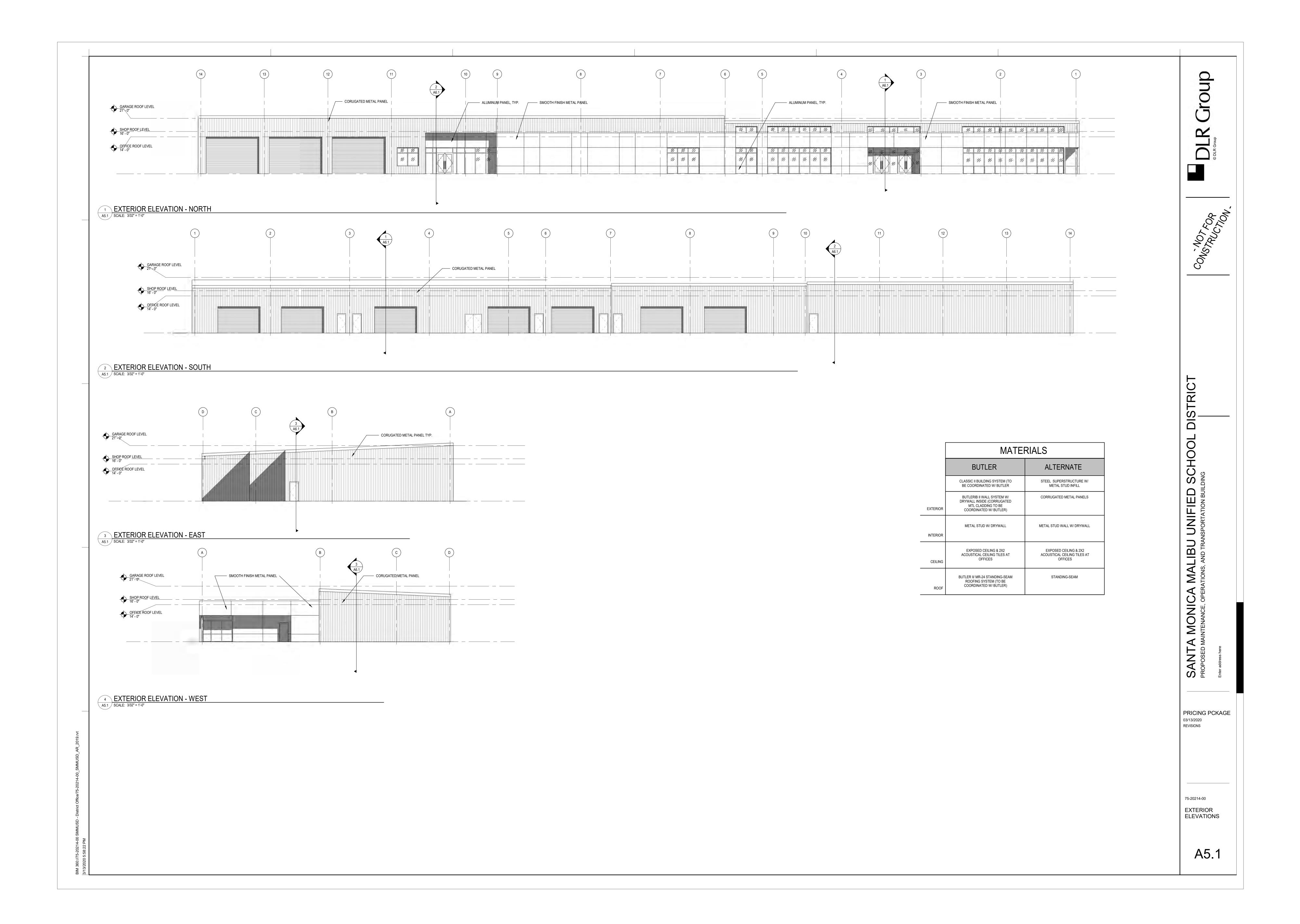
75-20214-00 PROPOSED REFLECTED CEILING PLAN

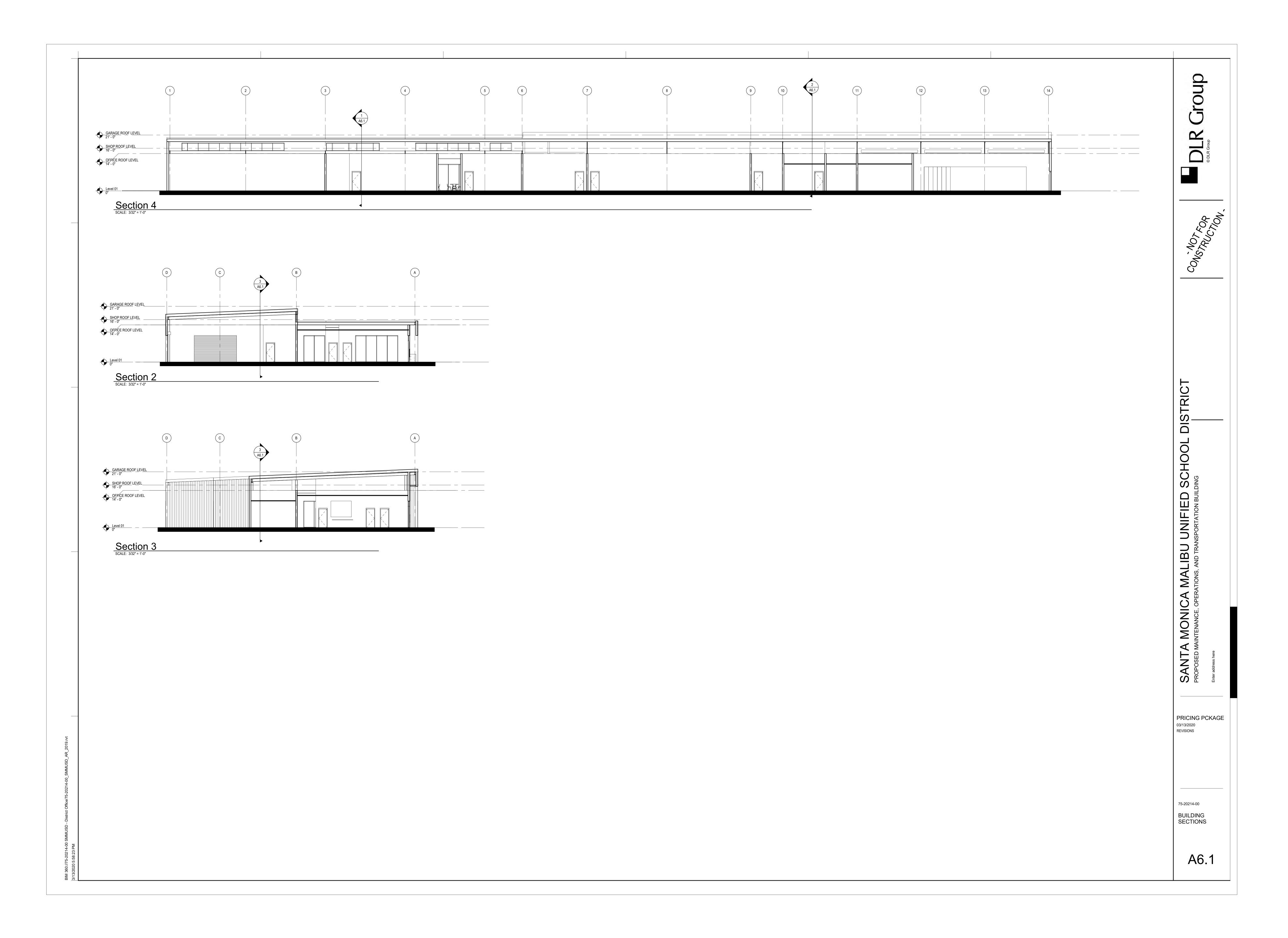
A3.1

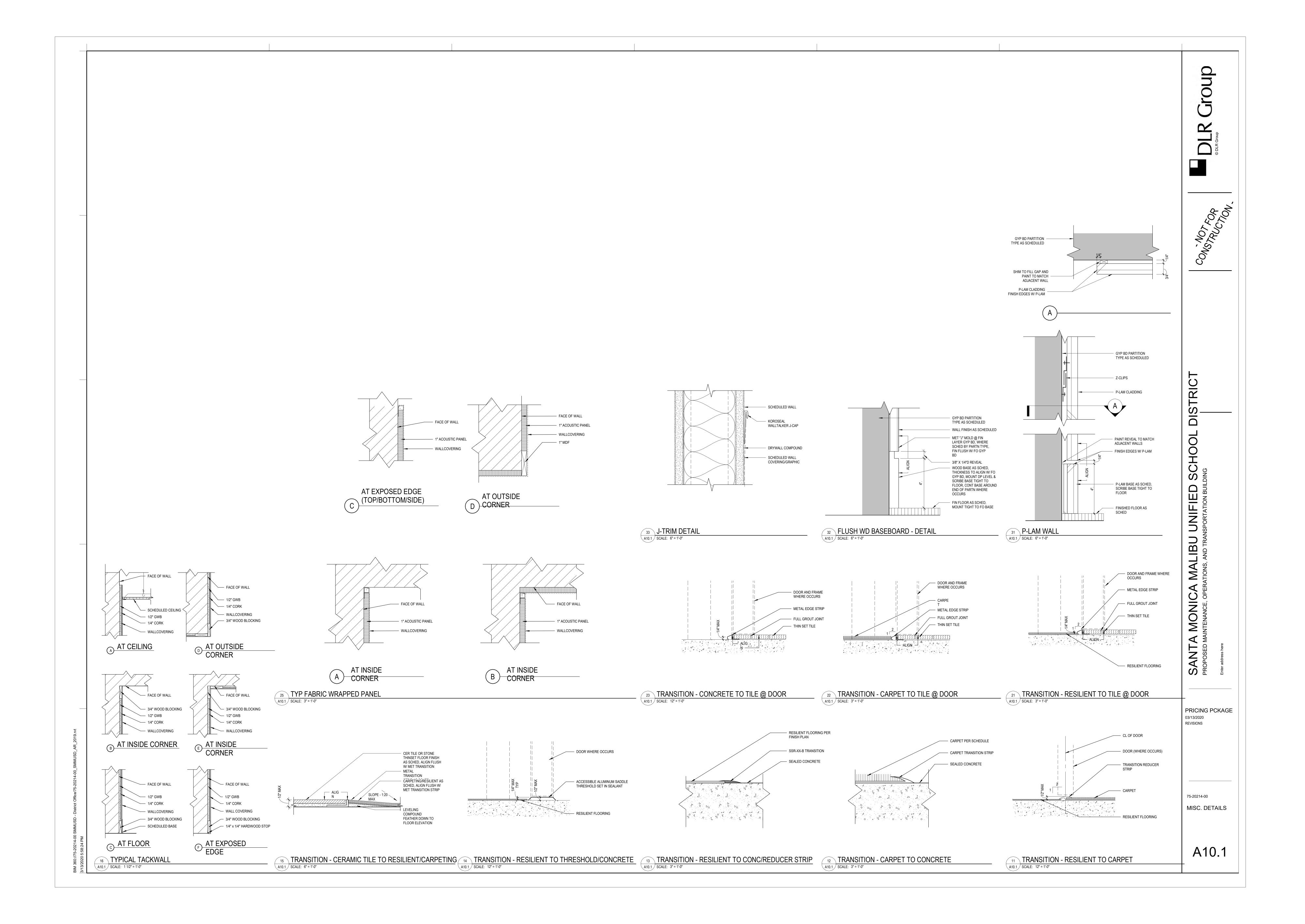
CEILING LEGEND - 2x2 ACOUSTICAL CLG - EXPOSED ROOF



REFLECTED CEILING PLAN
SCALE: 1/16" = 1'-0"







PRICING PCKAGE

03/13/2020 REVISIONS

75-20214-00 BUTLER BUILDING COST ESTIMATE

BUTLER BUILDING SHELL ROUGH COST ESTIMATE: (price to contractor from BUTLER)

MATERIAL - +/- \$600,000 (\$23 PER SQUARE FOOT)
LABOR - +/- \$4900,000 (PREVIALING WAGE, SUPERVISION, EQUIPMENT & GENERAL CONDITIONS)
(+/- \$34.50 PER SQUARE FOOT)

#### INCLUDES:

- STRUCTURE (FRAMES, PORTAL-FRAME BRACING, SECONDARIES), MR-24 STANDING-SEAM ROOF-PAINTED, R30 INSULATION WITH THERMAL SPACER BLOCKS
   WALLS: BUTLERIB II (corugated metal), Santa-Fe embossed-flat insulated panels (flat-panels)
   Gutters & downspouts

### **EXCLUDES**:

- STOREFRONTS
- DOORS, WINDOWSPARAPETS
- INTERIOR PARTITIONS & FINISHES
- HEAVY ROOFTOP LOADING SUPPORT & CURBS
  ANCHOR BOLTS & TEMPLATES
- CONCRETEMEP
- ANYTHING NOT MENTIONED

