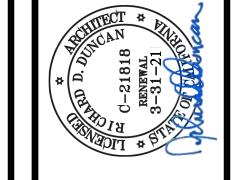
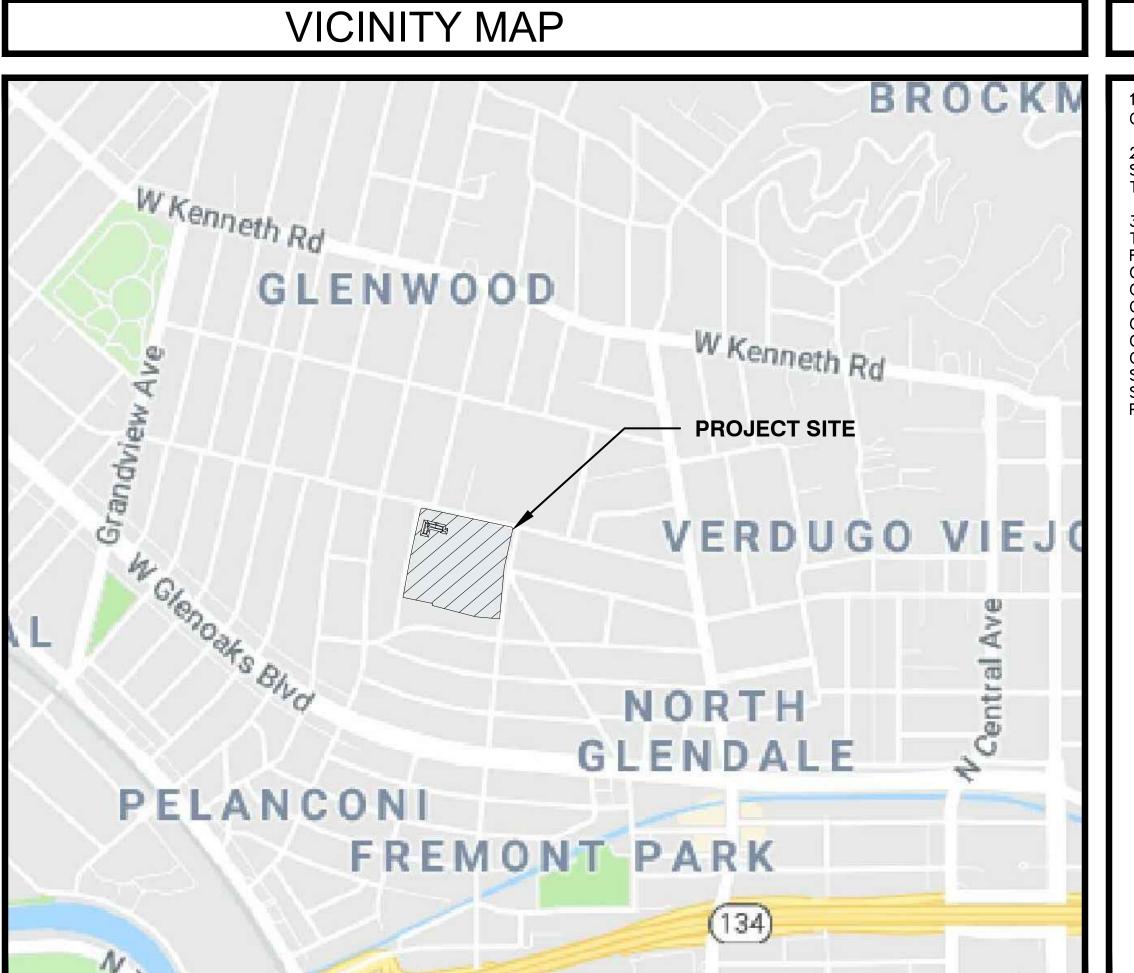
MARK KEPPEL ELEMENTARY SCHOOL WINDOW REPLACEMENT (PHASE I)

730 GLENWOOD RD. GLENDALE, CA 91202 GLENDALE UNIFIED SCHOOL DISTRICT





GENERAL NOTES

. ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24,

CALIFORNIA CODE OF REGULATIONS.(CCR). 2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CHANGE ORDERS APPROVED BY

3. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER BEFORE PROCEEDING WITH THE WORK

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2017 2016 California Administrative Code, Part 1, Title 24 C.C.R.*

2016 California Building Code (CBC), Part 2, Title 24 C.C.R. (2015 International Building Code Volumes 1-2 and 2016 California Amendments) 2016 California Electrical Code (CEC), Part 3, Title 24 C.C.R. (2014 National Electrical Code and 2016 California Amendments)

2016 California Mechanical Code (CMC) Part 4, Title 24 C.C.R. (2015) Uniform Mechanical Code and 2016 California Amendments 2016 California Plumbing Code (CPC), Part 5, Title 24 C.C.R. (2015) Uniform Plumbing Code and 2016 California Amendments) 2016 California Energy Code (CEC), Part 6, Title 24 C.C.R. 2016 California Fire Code, Part 9, Title 24 C.C.R.

2016 California Green Building Standards Code, Part 11, Title 24 C.C.R. 2016 California Referenced Standards, Part 12, Title 24 C.C.R. Title 19 C.C.R., Public Safety, State Fire Marshal Regulations.

(2015 International Fire Code and 2016 California Amendments)

2013 ASME A17.1(w/A17.1a/CSA B44a-08 addenda) Safety Code For Elevators And Escalators

Automatic Sprinkler Systems

Dry Chemical Extinguishing Systems Wet Chemical Extinguishing Systems Stationary Pumps for Fire Protection Water Tanks for Private Fire Protection Private Fire Mains & Their Appurtenances

National Fire Alarm & Signaling Code Fire doors and Other Opening Protectives Critical Radiant Flux of Floor Covering Systems Clean Agent Fire Extinguishing Systems

for Inspection, Testing and Maintenance or Water-Based Fire Protection Systems

ICC Standards on Bleachers, Folding and Telescoping Seating and Grand Stands Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Areas Heat Detectors for Fire Protective Signaling Systems

Reference code section for NFPA Standards— 2016 CBC (SFM) Chapter 35. See Chapter 35 for State of California amendments to NFPA Standards.

*California Administrative Code, Part 1, Chapter 10, Administrative Regulations for the California Energy Commission (CEC).

SHEET INDEX

ARCHITECTURA

T-0.0 TITLE SHEET A-2.1 GROUND FLOOR AND FIRST FLOOR DEMOLITION PLAN

- A-2.2 SECOND FLOOR DEMOLITION PLAN AND EXISTING DETAILS A-2-3 GROUND FLOOR RENOVATION PLAN AND INTERIOR ELEVATIONS
- A-2.4 FIRST FLOOR RENOVATION PLAN AND INTERIOR ELEVATIONS A-2.5 SECOND FLOOR RENOVATION PLAN AND INTERIOR ELEVATIONS
- A-6.0 EXTERIOR ELEVATIONS A-7.1 WINDOW TYPE, SCHEDULE AND DETAILS

PROJECT DIRECTORY

CLIENT / OWNER: GLENDALE UNIFIED SCHOOL DISTRICT 349 MAGNOLIA AVE, GLENDALE, CA 91204 (818) 507-0201 (818) 507-4911

2013 Edition

2013 Edition

2016 Edition

2013 Edition

2016 Edition

2013 Edition

2016 Edition

2016 Edition 2015 Edition

2015 Edition

2005 Edition

2003 Edition

1999 Edition

DC ARCHITECTS 820 N. MOUNTAIN AVE., SUITE 200 UPLAND, CALIFORNIA 91786 (909) 985-6939 (909) 985-0864 FAX RICHARD DUNCAN

ABBREVIATIONS

AT THE RATE OF ACCESSIBLE FINISH GRADE ACOUSTIC TILE FLOW LINE **ADJUSTABLE** FLOOR FACE OF CONCRETI FACE OF STUD ARCH. **ARCHITEC** GUAGE GLASS GYPSUM BOARD BENCH MARK HOLLOW CORE **HOLLOW METAL** CEILING INSULATION CERAMIC TIL LAVATORY LAMINATED PLASTIC CLEAN OUT MANUFACTURER COLUMN CONTINUOUS MISCELLANEOUS ON CENTER **OWNER FURNISHE CONTRACTOR INSTALLE** DIMENSION

DOWNSPOUT

DRAWING

EXISTING

ELECTRICAL

EACH

OWNER INSTALLED

OVERFLOW DRAIN

PRESSED STEE

THERMAL VALUE RUBBER BASE

SCOPE OF WORK

REMOVE EXISTING WINDOWS AND WINDOW FRAMES AND REPLACE WITH NEW WINDOW REPLACEMENTS AS INDICATED ON DRAWINGS.

REMOVE EXISTING VERTICAL VINYL BLINDS AND REPLACE AS NEEDED PER NEW REPLACEMENT WINDOWS AS SHOWN ON DRAWINGS.

CONTRACTOR TO REMOVE AND DISPOSE OF ALL ASBESTOS, LEAD AND PCB CONTAMINATED MATERIAL ASSOCIATED WITH EXTERIOR

OCCURRED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITIONS. PAINT COLORS TO MATCH EXISTING EXTERIOR AND/OR INTERIOR

CONTRACTOR IS RESPONSIBLE TO REPAIR ANY EXISTING WINDOW TRIMS/SILLS/CASINGS AND ADJACENT AREAS WHERE DAMAGES

PAINTED

ROOF DRAIN

PLY'WD. PLYWOOD

WINDOW FRAME COLOR TO MATCH EXISTING AND PER DISTRICT'S STANDARD.

WINDOW REPLACEMENT AS SHOWN ON DRAWINGS.

REPLACE ALL HVAC LOUVERS IN NEW WINDOW REPLACEMENT SYSTEM.

S.A.T. SUSPENDED ACOUSTICAL TILE STORM DRAIN SERVICE SINK TOP OF CONC. OR CURB TOP OF RIDGE VINYL TILE WINDOW

UNIFORM BUILDING CODE **UNLESS NOTED OTHERWISI** WATER CLOSET WATER HEATER WATER RESISTAN

ALUMINUM WINDOW REQUIREMENTS

ALUMINUM WINDOWS: ARCHITECTURAL AW PERFORMANCE CLASS WINDOWS, PERFORMANCE GRADE 100 AIR TEST PERFORMANCE REQUIREMENTS

a. AIR INFILTRATION MAXIMUM 0.1 CFM PER SQUARE FOOT AT 6.24 PSF PRESSURE DIFFERENTIAL WHEN **TESTED IN ACCORD WITH ASTM E283**

a. NO UNCONTROLLED WATER LEAKAGE AT 15.00 PSF STATIC PRESSURE DIFFERENTIAL, WITH WATER APPLICATION RATE OF 5 GALLONS/HR/SQ FT WHEN TESTED IN ACCORD WITH BOTH ASTM E331 AND ASTM E547. STATIC WATER TEST SHALL BE REPEATED AFTER APPLICATION OF DESIGN TEST

a. UNIFORM LOAD DEFLECTION TEST

NO DEFLECTION OF ANY UNSUPPORTED SPAN L OF TEST UNIT (FRAMING RAILS, MUNTINS, MULLIONS, ETC.) IN EXCESS OF L/175 AT BOTH A POSITIVE AND NEGATIVE LOAD OF 100 PSF (DESIGN TEST PRESSURE) WHEN TESTED IN ACCORD WITH ASTM E330.

. UNIFORM LOAD STRUCTURAL TEST I. UNIT TO BE TESTED AT 1.5 X DESIGN TEST PRESSURE, BOTH POSITIVE AND NEGATIVE, ACTING

NORMAL TO PLANE OF WALL IN ACCORD WITH ASTM E330. II. NO GLASS BREAKAGE; PERMANENT DAMAGE TO FASTENERS, HARDWARE PARTS, OR ANCHORS; DAMAGE TO MAKE WINDOWS INOPERABLE; OR PERMANENT DEFORMATION OF ANY MAIN FRAME OR VENTILATOR MEMBER IN EXCESS OF 0.2% OF ITS CLEAR SPAN.

'HERMAL TRANSMITTANCE (U-FACTOR) FOR THE OVERALL WINDOW AREA SHALL BE LESS THAN OR EQUAL TO 0.39 BTU/HR-FT2- F. (BASED ON A 1" INSULATING GLASS MAKE UP OF 1/4" SOLARBAN 60 #2. 1/9" AIR FILL

SOLAR HEAT GAIN COEFFICIENT (SHGC) FOR THE OVERALL WINDOW AREA SHALL NOT EXCEED 0.33. (BASED ON A 1" INSULATING GLASS MAKE UP OF 1/4" SOLARBAN 60 #2, 1/2" AIR FILL, 1/4" CLEAR).

ACOUSTIC PERFORMANCE REQUIREMENTS

I. SOUND TRANSMISSION CLASS - STC 31(BASED ON 1" INSULATING GLASS) 2. OUTDOOR-INDOOR TRANSMISSION CLASS - OITC 25 (BASED ON 1" INSULATING GLASS)

EST REPORTS AND CALCULATIONS

. SUBMIT CERTIFIED INDEPENDENT LABORATORY TEST REPORTS VERIFYING COMPLIANCE WITH ALL

2. SUBMIT STRUCTURAL CALCULATIONS INDICATING ADEQUACY OF ALL MATERIALS FURNISHED UNDER THIS SECTION, IN MEETING THE UNIFORM AND STRUCTURAL LOAD REQUIREMENTS AS SPECIFIED IN

PRODUCTS: SUBMIT A WRITTEN WARRANTY, EXECUTED BY THE WINDOW MANUFACTURER, FOR A PERIOD OF 10 YEARS FROM THE DATE OF MANUFACTURE, AGAINST DEFECTIVE MATERIALS OR WORKMANSHIP, INCLUDING SUBSTANTIAL NON-COMPLIANCE WITH APPLICABLE SPECIFICATION REQUIREMENTS AND INDUSTRY STANDARDS, WHICH RESULT IN PREMATURE FAILURE OF THE WINDOWS, FINISH, FACTORY-GLAZED GLASS, OR PARTS, OUTSIDE OF NORMAL WEAR. IN THE EVENT THAT WINDOWS OR COMPONENTS ARE FOUND DEFECTIVE. MANUFACTURER WILL

REPAIR OR PROVIDE REPLACEMENT MATERIAL WITHOUT CHARGE AT MANUFACTURER'S OPTION. B. WARRANTY FOR ALL COMPONENTS MUST BE DIRECT FROM THE MANUFACTURER (NON 4. PASS-THROUGH) AND NON PRO-RATED FOR THE ENTIRE TERM.

ACCEPTABLE WINDOW MANUFACTURER

. DRAWINGS AND SPECIFICATION ARE BASED ON: a. WAUSAU WINDOW AND WALL SYSTEMS - 3250I AND 4250I INVENT SERIES THERMAL FIXED, PROJECTED AND/OR CASEMENT WINDOWS.

b. BASE BID WILL BE WAUSAU WINDOW AND WALL SYSTEMS.

 a. OTHER MANUFACTURERS' PRODUCTS THAT MEET OR EXCEED SPECIFIED DESIGN REQUIREMENTS MAY BE CONSIDERED. SUBMIT THE FOLLOWING INFORMATION WITH REQUEST FOR SUBSTITUTIONS AT LEAST TEN (10) WORKING DAYS PRIOR TO BID DATE.

OVERALL SITE PLAN SCALE: 1" = 30'-0"

(MATCH EXISTING)

1.1. TEST REPORTS SPECIFIED IN 1.03. 1.2. FULL PROPOSAL DETAILS AND SAMPLES SPECIFIED IN 1.04.

1,3. COPY OF MANUFACTURER'S WARRANTY SPECIFIED IN 1.07.

1.4. PROOF OF AT LEAST 10 YEARS EXPERIENCE IN THE DESIGN AND FABRICATION OF AW PERFORMANCE CLASS WINDOWS

1.5. OTHER INFORMATION AS REQUESTED FOR EVALUATION

1. FINISH OF ALL EXPOSED AREAS OF ALUMINUM WINDOWS AND COMPONENTS SHALL BE DONE IN ACCORD WITH THE APPROPRIATE AAMA VOLUNTARY GUIDE SPECIFICATION SHOWN. DISTRICT STANDARD HORIZON BLUE

GLAZING REQUIREMENTS

1. ACCEPTABLE GLAZING MANUFACTURERS A. GLASS AND GLASS UNITS:

1.1. GUARDIAN INDUSTRIES CORPORATION; CARLETON, MI; 800-521-9040.

1.2. LIBBEY-OWENS-FORD CO.; LOS ANGELES, CA; 800-522-9430.

1.3. PPG INDUSTRIES; PITTSBURGH, PA; 800-377-5267. 1.4. VIRACON; NEWPORT BEACH, CA; 714-631-8361

1.5. OLDCASTLE GLASS, SANTA MONICA, CA; 866-653-2278

B. FIRE-RATED GLASS:

PAPER; BLACK COLOR.

1.1. TECHNICAL GLASS PRODUCTS, SEATTLE, WA, FIRELITE PLUS; 800-426-0279. 1.2. O'KEEFE'S/SAFTIFIRST, SUPERLITE I (20 MINUTES), SUPERLITE I-XL (45 AND

AND SUPERLITE 2XL (45 TO 180 MINUTES), SAN FRANCISCO, CA; 888- 653-3333 1.3. FIRE-RATED GLASS TO BE UL OR INTERTEK/WARNOCK HERSEY, INC. TESTED.

A.GENERAL: ALL REPLACEMENT GLAZING TO MATCH EXISTING ADJACENT GLAZING AS CLOSE AS POSSIBLE, UNLESS NOTED OTHERWISE. **B. GLAZING TYPES:**

1. TYPE 8 (LAMINATED GLAZING): TWO LAYERS OF 1/8" THICK, TEMP, (1/4" INCH LOW E, WITH GREY LIGHT MEETING UL972 REQUIREMENTS.

a. ACCEPTABLE MANUFACTURERS AND PRODUCTS: 1) INSULGARD COASTGUARD BY INSULGARD NO. CG416

2) SAFLEX INTERLAYER BY SOLUTIA, INC.

C.GLAZING ACCESSORIES: CONFORM TO FGMA GLAZING SEALING SYSTEMS MANUAL AND/OR PRINTED RECOMMENDATIONS BY GLAZING MANUFACTURERS, WHICHEVER IS MOST STRINGENT, FOR THE FOLLOWING:

1. SETTING BLOCKS: NEOPRENE; 70-90 SHORE A DUROMETER HARDNESS.

2. SPACERS: NEOPRENE; 50 SHORE A DUROMETER HARDNESS. 3. GLAZING POINTS: RESILIENT POLYVINYL CHLORIDE EXTRUDED SHAPE TO SUIT GLAZING CHANNEL 4. GLAZING COMPOUND: FS TT-G-410 (SUPERSEDE BY ASTM C669-00); NON-HARDENING; KNIFE GRADE

CONSISTENCY DAP 1012 GLAZING COMPOUND OR APPROVED EQUIVALENT; FACTORY COLOR TO MATCH ADJACENT FRAMING. 5. SILICONE SEALANT'S TT-S-1543; SINGLE COMPONENT; CURED SHORE A HARDNESS OF 15-25. a. TREMCO, GENERAL ELECTRIC, AND DOW CORNING SEALANT PRODUCTS ARE APPROVED WHERE USE IS DOCUMENTED AND IN ACCORDANCE WITH THE USE AND CONDITIONS OF THIS PROJECT

6. GLAZING TAPE: PREFORMED BUTYL COMPOUND; 10-15 SHORE A HARDNESS; COILED ON RELEASE

