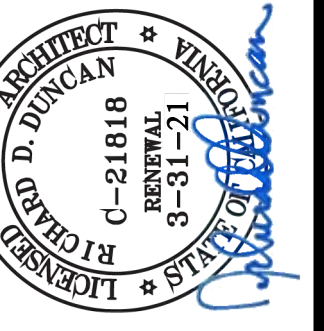
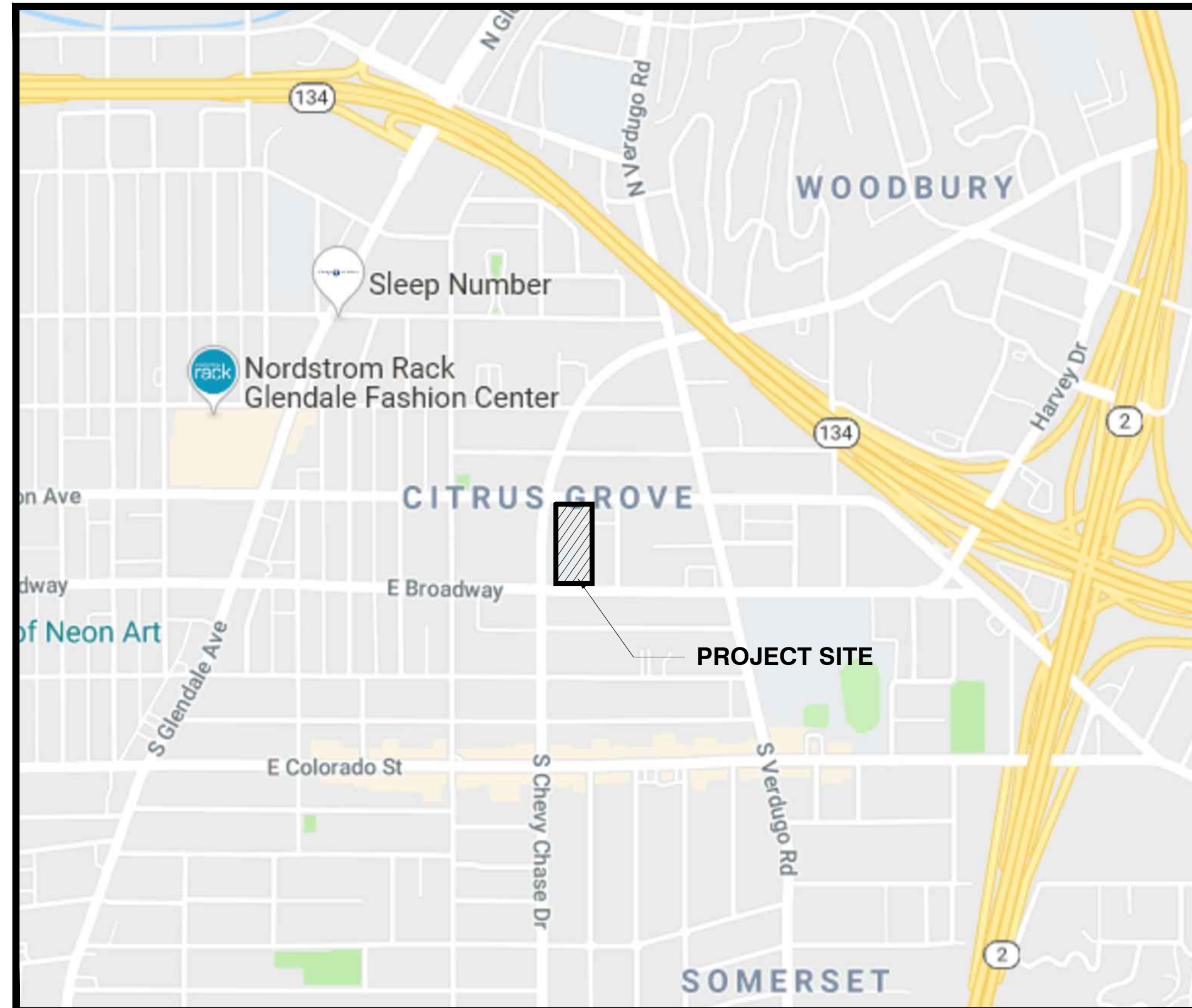


# JOHN MARSHALL ELEMENTARY SCHOOL WINDOW REPLACEMENT

1201 EAST BROADWAY STREET, GLENDALE, CA 91205  
GLENDALE UNIFIED SCHOOL DISTRICT



## VICINITY MAP



## GENERAL NOTES

- ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS.(CCR).
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CHANGE ORDERS APPROVED BY THE OWNER.
- 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 CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE 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.

## PROJECT DIRECTORY

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

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

## SHEET INDEX

**ARCHITECTURAL**

T-1 TITLE SHEET  
A-2.0 DEMOLITION PLAN, ELEVATIONS AND (E)WINDOW DETAILS  
A-6.0 RENOVATION EXTERIOR ELEVATIONS AND REFLECTED CEILING PLAN  
A-7.0 WINDOW TYPES, SCHEDULE, DETAILS AND REQUIREMENTS

REVISIONS

DC ARCHITECTS



WINDOW REPLACEMENT  
JOHN MARSHALL ELEMENTARY SCHOOL  
1201 EAST BROADWAY STREET  
GLENDALE, CA 91205  
GLENDALE UNIFIED SCHOOL DISTRICT

TITLE SHEET

NO. 2018-008  
DATE: 08/23/2018  
SCALE:

T-1  
BID SET

## 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.  
(2015 International Fire Code and 2016 California Amendments)  
2016 California Green Building Standards Code, Part 11, Title 24 C.C.R.  
2016 California Reference Standards, Part 12, Title 24 C.C.R.  
Title 19 C.C.R., Public Safety, State Fire Marshal Regulations.  
2013 ASME A17.1(w)/A17.1a/CSA B44a-08 addenda) Safety Code For Elevators And Escalators

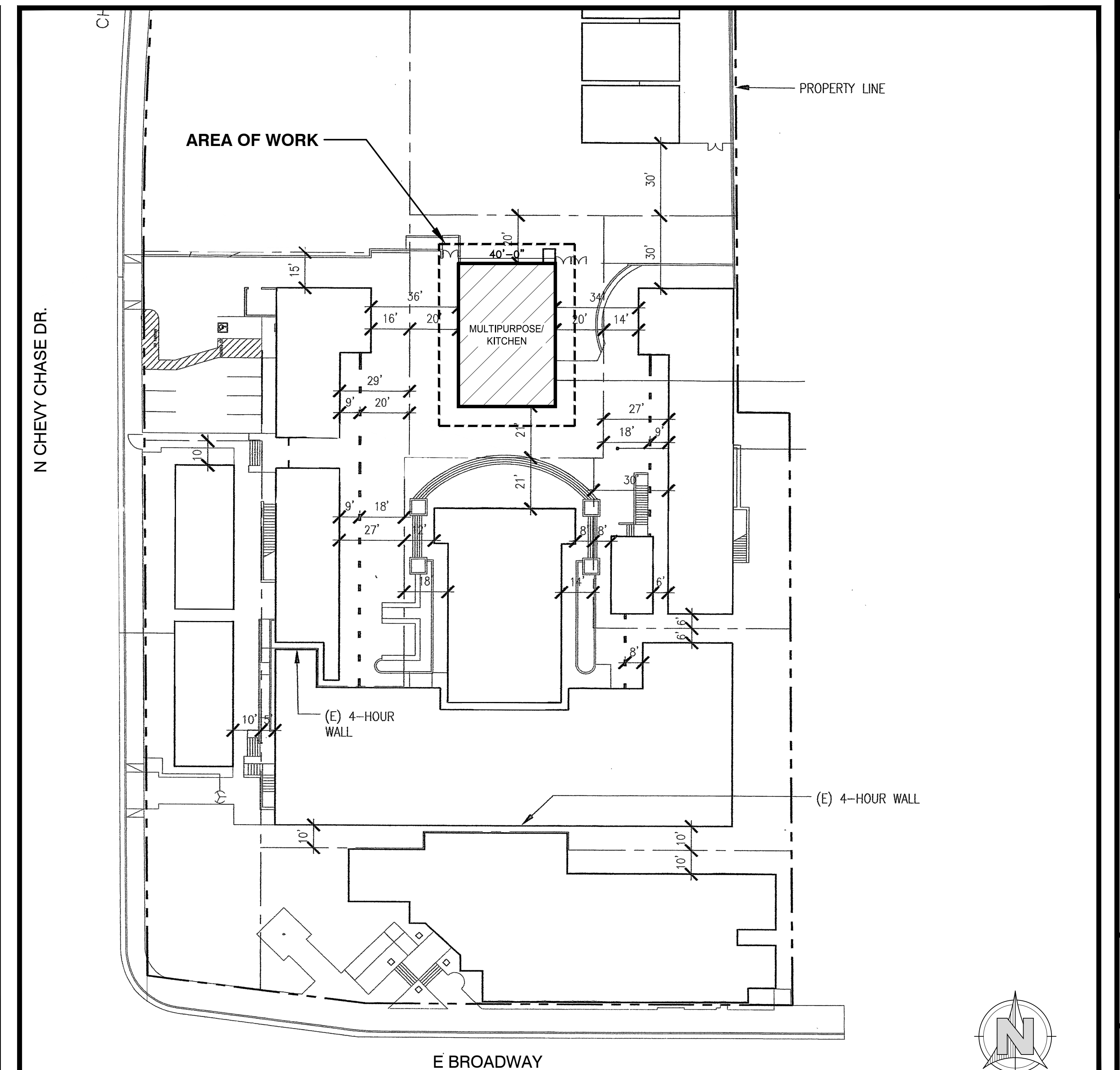
**PARTIAL LIST OF APPLICABLE STANDARDS**

NFPA 13	Automatic Sprinkler Systems	2016 Edition
NFPA 14	Standpipe and Hose Systems	2013 Edition
NFPA 17	Dry Chemical Extinguishing Systems	2013 Edition
NFPA 17a	Wet Chemical Extinguishing Systems	2016 Edition
NFPA 20	Stationary Pumps for Fire Protection	2016 Edition
NFPA 22	Water Tanks for Private Fire Protection	2013 Edition
NFPA 24	Private Fire Mains & Their Appurtenances	2016 Edition
NFPA 25	Standard for Inspection, Testing and Maintenance or Water-Based Fire Protection Systems	2013 Edition
NFPA 72	National Fire Alarm & Signaling Code	2016 Edition
NFPA 80	Fire doors and Other Opening Protectives	2016 Edition
NFPA 92	Standard for Smoke Control Systems	2015 Edition
NFPA 253	Critical Radiant Flux of Floor Covering Systems	2015 Edition
NFPA 2001	Clean Agent Fire Extinguishing Systems	2015 Edition
ICC 300	ICC Standards on Bleachers, Folding and Telescoping Seating and Grand Stands	2012 Edition
UL 300	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Areas	2005 Edition
UL 464	Audible Signal Appliances	2003 Edition
UL 521	Heat Detectors for Fire Protective Signaling Systems	1999 Edition

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).

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

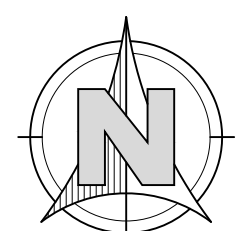


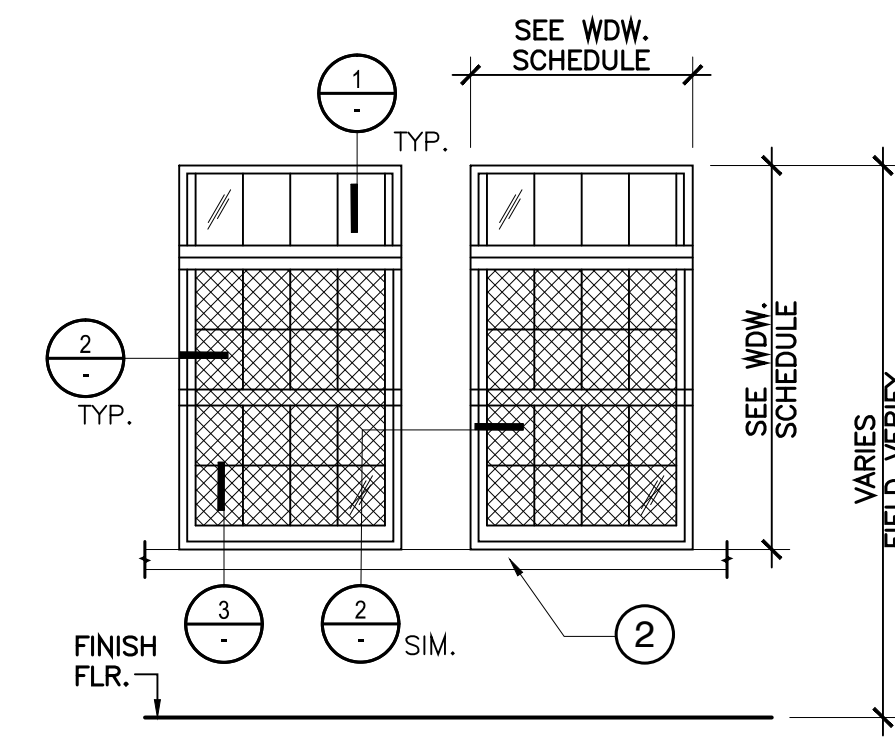
## ABBREVIATIONS

@	AT THE RATE OF	F.D.	FLOOR DRAIN	S.A.T.	SUSPENDED ACOUSTICAL TILE
A.C.	ASPHALTIC CONCRETE	F.F.	FACTORY FINISH	S.C.	SOLID CORE
A.C.C.	ACCESSIBLE	F.G.	FINISH GRADE	S.D.	STORM DRAIN
ACT.	ACOUSTIC TILE	FIN.	FINISH	S.S.	SERVICE SINK
A.D.	AREA DRAIN	FL.	FLOW LINE	S.V.	SHEET VINYL
ADJ.	ADJUSTABLE	F.L.	FLOOR	T.C.	TOP OF CONC. OR CURB
AFB	ABOVE FINISHED FLOOR	F.O.C.	FACE OF CONCRETE	T.O.R.	TOP OF RIDGE
ALUM.	ALUMINUM	F.O.S.	FACE OF STUD	T.O.S.	TOP OF SHEATHING
AND.	ANDREZED	F.V.	FIELD VERIFY	TYP.	TYPICAL
ARCH.	ARCHITECT	G.A.	GLAZE	U.B.C.	UNIFORM BUILDING CODE
BC.	BOOK CASE	GL.	GLASS	UNO	UNLESS NOTED OTHERWISE
BD./BRD.	BOARD	GYP./BD.	GYPSUM BOARD	V.T.	VINYL TILE
B.M.	BENCH MARK	H.C.	HOLLOW CORE	W.	WITH
CAB.	CABINET	H.M.	HOLLOW METAL	W.C.	WATER CLOSET
CLG.	CEILING	INSUL.	INSULATION	WD.	WOOD
CERT.	CERAMIC TILE	LAV.	LAVATORY	WDW.	WINDOW
CL.	CENTER LINE	L.P.	LAMINATED PLASTIC	W.H.	WATER HEATER
C.O.	CLEAN OUT	MET.	METAL	W.P.	WATERPROOF
COL.	COLUMN	MFGR.	MANUFACTURER	W.R.	WATER RESISTANT
CONT.	CONTINUOUS	MIN.	MINIMUM		
CONC.	CONCRETE	MISC.	MISCELLANEOUS		
CONTR.	CONTRACTOR	MTD.	MOUNTED		
CFCI	CONTRACTOR FURNISHED.	MTL.	METAL		
	CONTRACTOR INSTALLED	(N)	NEW		
CPT.	CARPET	N.I.C.	NOT IN CONTRACT		
CT.	CERAMIC TILE	O.C.	ON CENTER		
DET.	DETAIL	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED		
DIM.	DIMENSION	OFOW	OWNER FURNISHED.		
DR.	DOOR	O.I.	OWNER INSTALLED		
D.S.	DOWNSPOUT	O.F.D.	OVERFLOW DRAIN		
DWG.	DRAWING	PH	PANIC HARDWARE ON DOORS		
EA.	EACH	PLYWD.	PLYWOOD		
(E)	EXISTING	P.S.	PRESSED STEEL		
ELECT.	ELECTRICAL	PTD.	PAINTED		
EQ.	EQUAL	TR	THERMAL VALUE		
		R.B.	RUBBER BASE		
		R.D.	ROOF DRAIN		

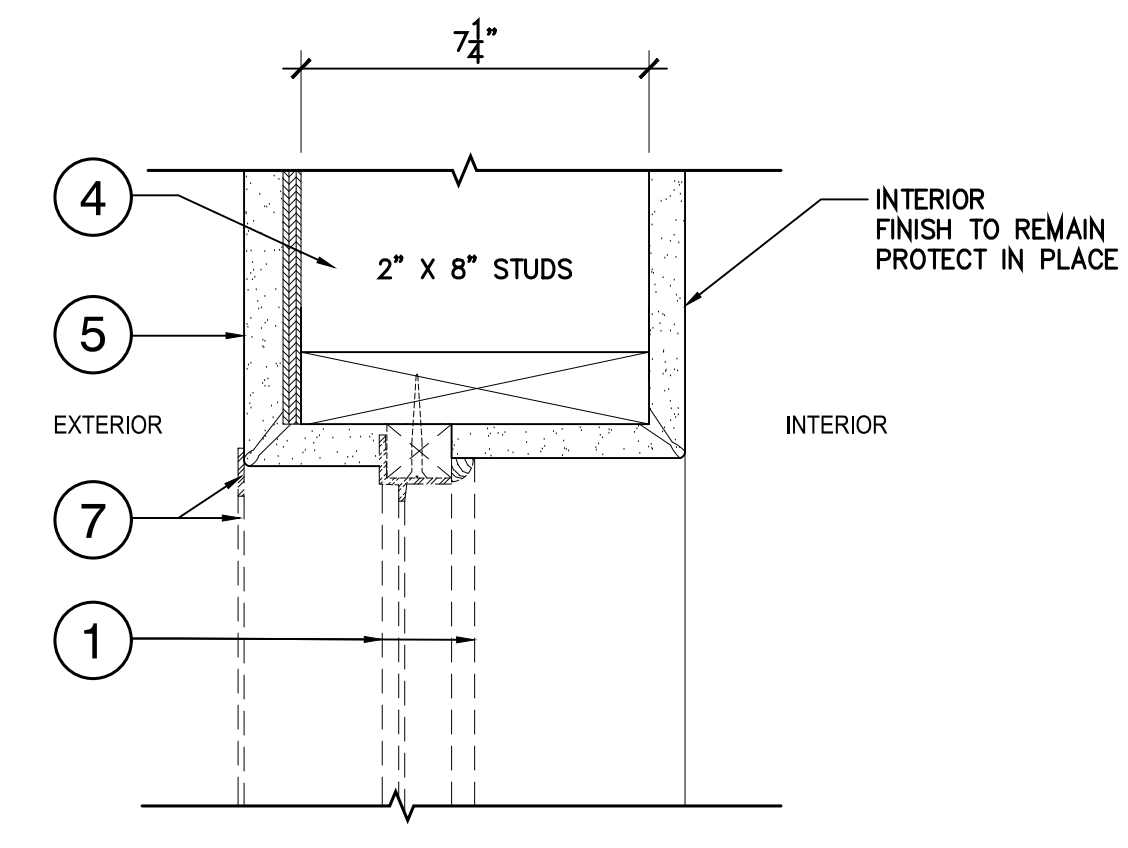
## SCOPE OF WORK

- REMOVE EXISTING WINDOWS AND WINDOW FRAMES AND REPLACE WITH NEW WINDOW REPLACEMENTS AS INDICATED ON DRAWINGS. WINDOW FRAME COLOR TO MATCH EXISTING AND PER DISTRICTS STANDARD.
- REMOVE EXISTING VERTICAL VINYL BLINDS AND REPLACE AS NEEDED PER NEW REPLACEMENT WINDOWS AS SHOWN ON DRAWINGS.
- CONTRACTOR IS RESPONSIBLE TO REPAIR ANY EXISTING WINDOW TRIMS/SILLS/CASINGS AND ADJACENT AREAS WHERE DAMAGES OCCURRED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITIONS. PAINT COLORS TO MATCH EXISTING EXTERIOR AND/OR INTERIOR FINISHES.
- CONTRACTOR TO REMOVE AND DISPOSE OF ALL ASBESTOS, LEAD AND PCB CONTAMINATED MATERIAL ASSOCIATED WITH EXTERIOR WINDOW REPLACEMENT AS SHOWN ON DRAWINGS.

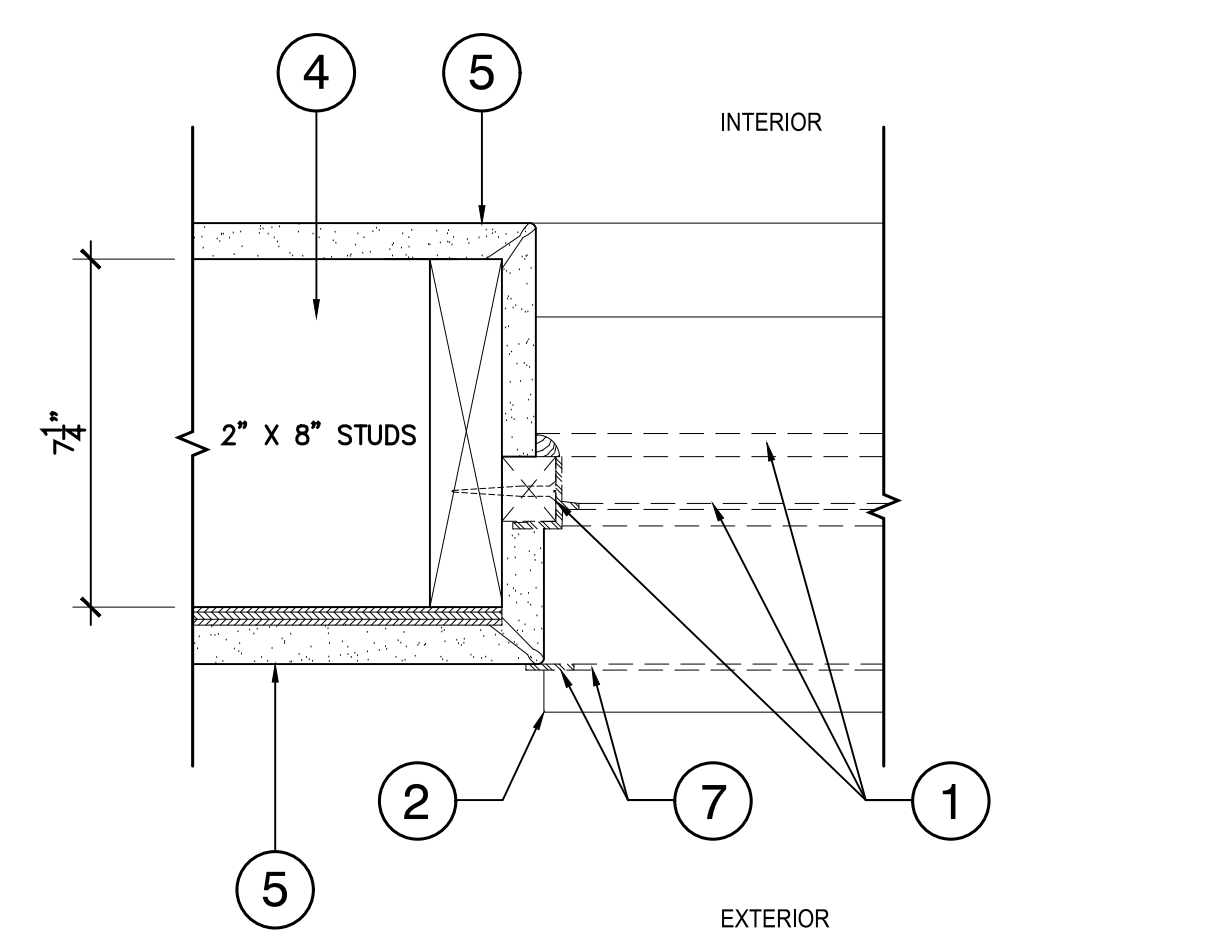




**TYPE B - (E) HEAD DETAIL** 3" = 1'-0" 4



**TYPE B - (E) JAMB DETAIL** 3" = 1'-0" 5



**TYPE B - (E) SILL DETAIL** 3" = 1'-0" 6

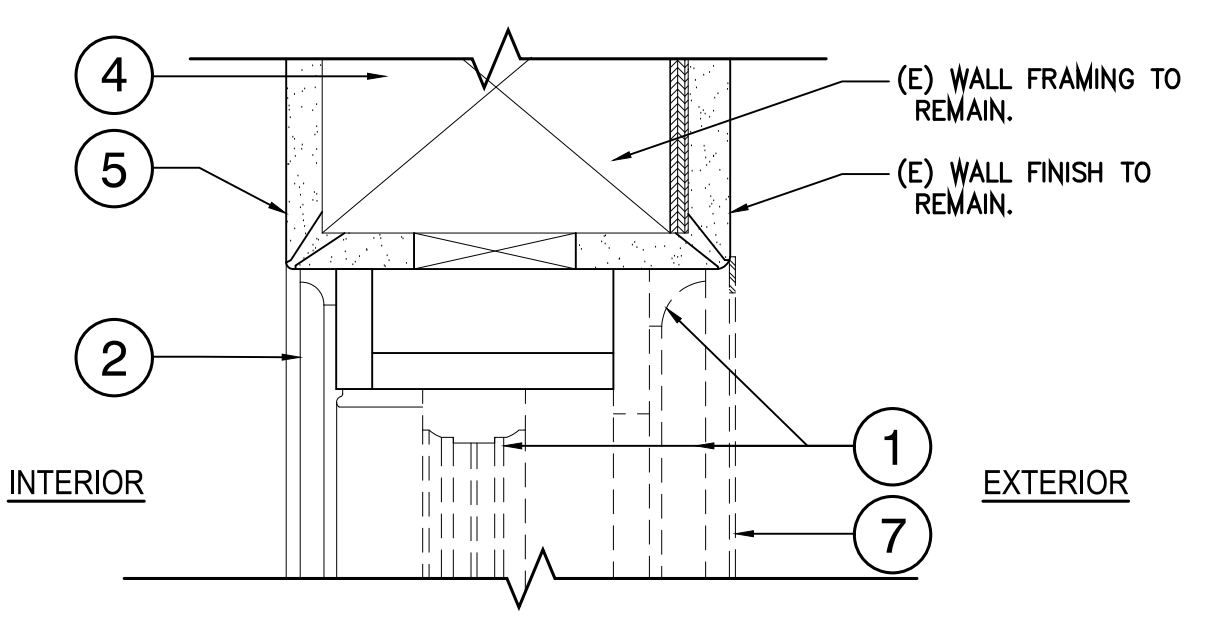
**DEMOLITION NOTES**

- 1 REMOVE EXISTING WINDOW, WINDOW FRAME AND VERTICAL VINYL BLINDS AS REQUIRED TO RECEIVE NEW WORK.
- 2 EXISTING WINDOW SILL/TRIM/CASING TO REMAIN. PROTECT IN PLACE.
- 3 REMOVE WOOD TRIM SHOWN AS DASHED AS REQUIRED FOR NEW WORK.
- 4 DO NOT DISTURB EXISTING STRUCTURAL COMPONENTS. PROTECT IN PLACE.
- 5 (E) WALL FINISHES TO REMAIN. PROTECT IN PLACE.
- 6 SAW CUT AND MODIFY (E) WOOD NAILER/BLOCK PER DETAIL 2/ A-7.0 TO RECEIVE WINDOW REPLACEMENT.
- 7 REMOVE EXISTING WINDOW METAL MESH AND METAL MESH FRAME.
- 8 EXISTING ACOUSTICAL CEILING SYSTEM TO REMAIN. PROTECT IN PLACE. REMOVE PORTION OF EXISTING CEILING TILES/GRIDS AS REQUIRED FOR NEW WORK. REINSTALL AND REPLACE REMOVED CEILING COMPONENTS IF DAMAGED DURING DEMOLITION.
- 9 COORDINATE WITH OWNER'S FIRE PROTECTION CONSULTANT PRIOR TO PROCEEDING WITH CEILING DEMOLITION.
- 10 DETACH ALL LIGHT FIXTURES, DIFFUSERS, REGISTERS AND OTHER CEILING COMPONENTS FROM ACT CEILING SYSTEM AS REQUIRED FOR NEW WORK.
- 11 CAREFULLY REMOVE (E) DECORATIVE WOOD SILL AND CASING BEADS. REUSE AND MODIFY PER DETAIL 2/ A-7.0 TO RECEIVE NEW WINDOW REPLACEMENT.
- 12 REMOVE (E) WOOD SILL TO RECEIVE NEW WINDOW REPLACEMENT.

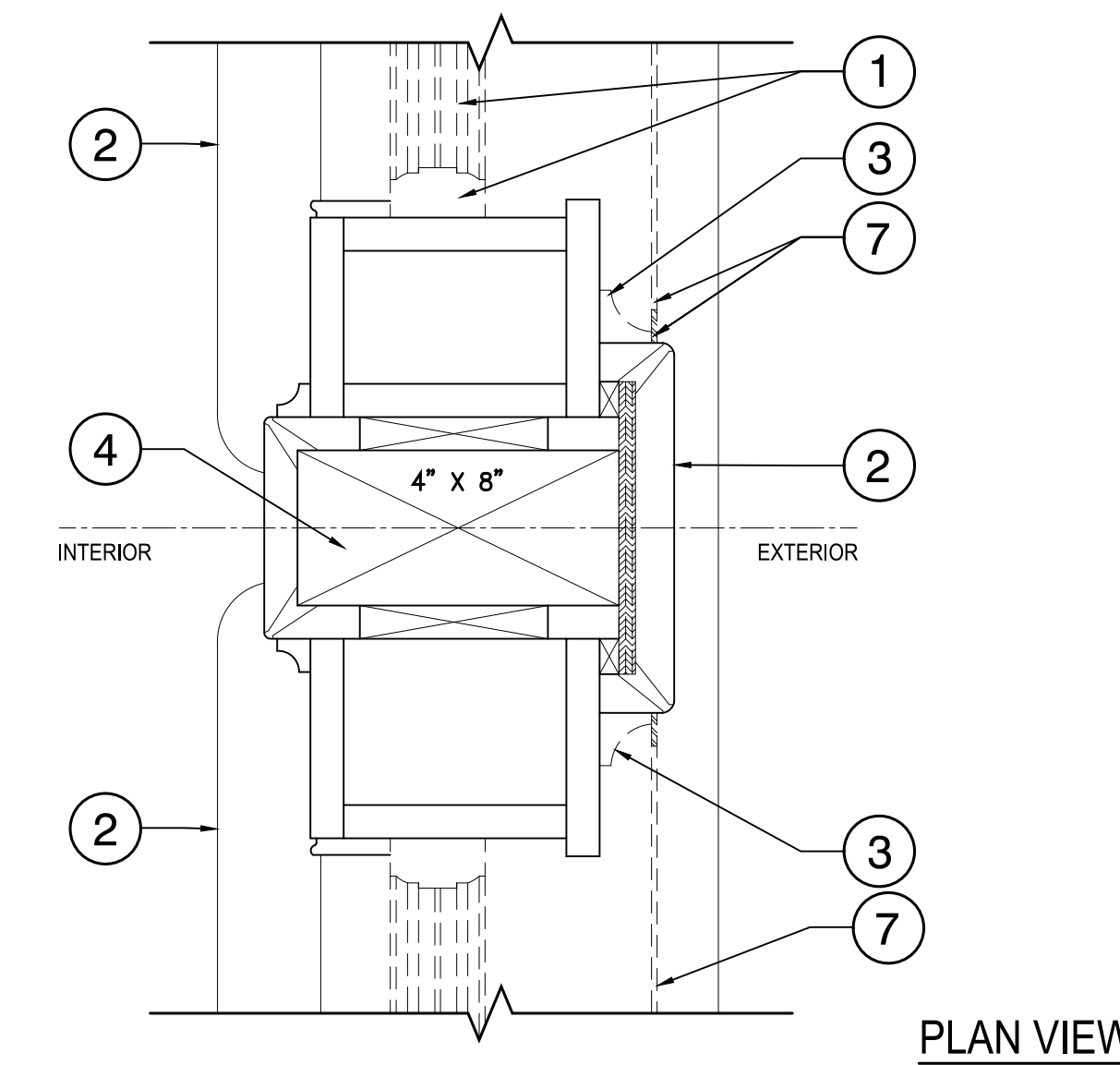
**PLAN NOTES**

1. REMOVE (E) WINDOW AT OPENING INDICATED, VERIFY EXISTING CONDITIONS AND CONSTRUCTION CONFIGURATION OF EXISTING OPENING FOR CONFIRMATION OF HEAD, JAMB, AND SILL DETAILS, AND MEANS AND METHODS REQUIRED FOR INSTALLATION OF NEW WINDOWS.
2. SECURE OPENING WITH TEMPORARY CONSTRUCTION AS REQUIRED TO ENSURE OPENING REMAINS SECURE FROM INTRUSION AND WEATHER TIGHT.
3. PRIOR TO REMOVAL OF WINDOWS, THE ACTUAL SIZE AND LOCATION OF THE STRUCTURAL COMPONENTS AND LOAD BEARING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR BY MEANS OF SELECTIVE DEMOLITION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/OWNER OF ANY UNUSUAL OR HAZARDOUS CONDITION INCLUDING BUT NOT LIMITED TO CRACKS, ABSENCE OF BRACING, OR LOOSE ELEMENTS AND COMPONENTS.
4. REMOVAL OF EXISTING WINDOWS AND ALL FIXED TO WINDOW INCLUDING BUT NOT LIMITED TO TRIM, SUBSILLS, ANCHORS, SEALANT RELATED TO THE WINDOW, ETC. EXTENT OF SELECTIVE DEMOLITION SHALL BE AS REQUIRED FOR INSTALLATION OF NEW WORK.
5. PREPARE AND PAINT SURFACES OF DAMAGED AREAS DURING DEMOLITION; PREP INCLUDES BUT NOT LIMITED TO REMOVAL OF ALL LOOSE PAINT & OTHER MATERIAL TO FILL HOLES OR REPAIR DAMAGES OR ROTTED SUBSTRATES, AND REPLACEMENT OF SUBSTRATES IF NOT REPAIRABLE. NEW PAINT SHALL CONSIST OF ONE COAT PRIMER, TWO COATS FINISH. PAINT COLOR TO MATCH EXISTING.
6. PROTECT INTERIOR FINISHES DURING DEMOLITION.

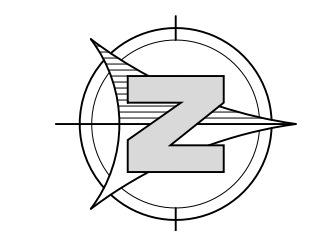
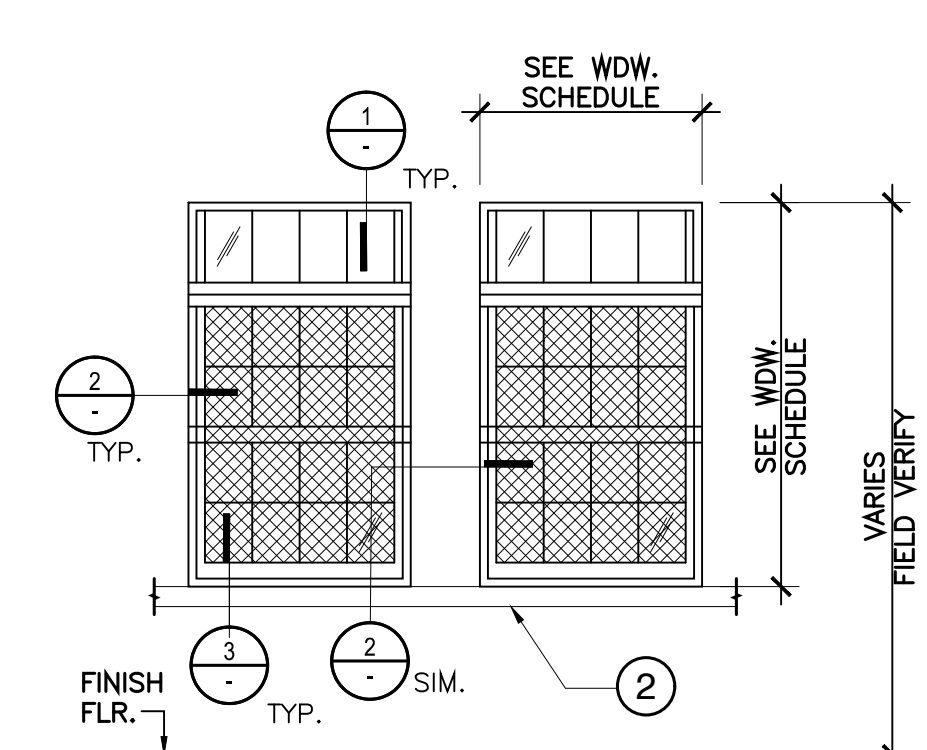
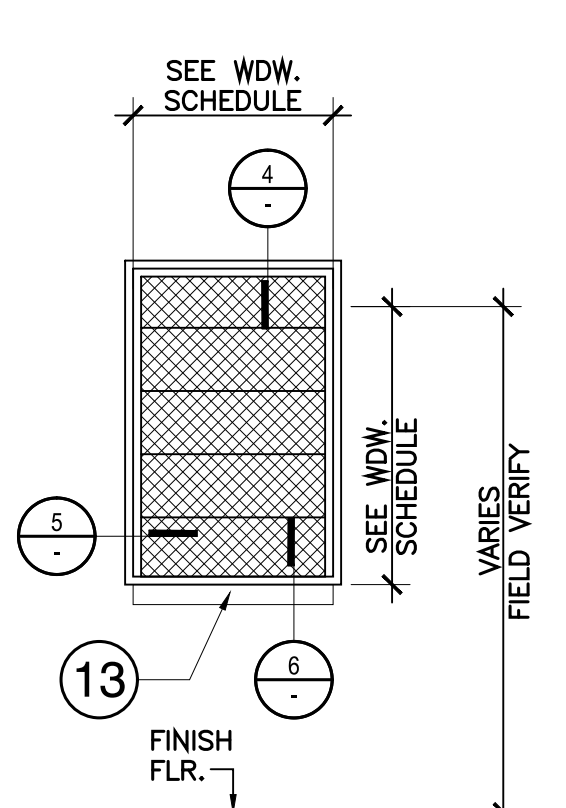
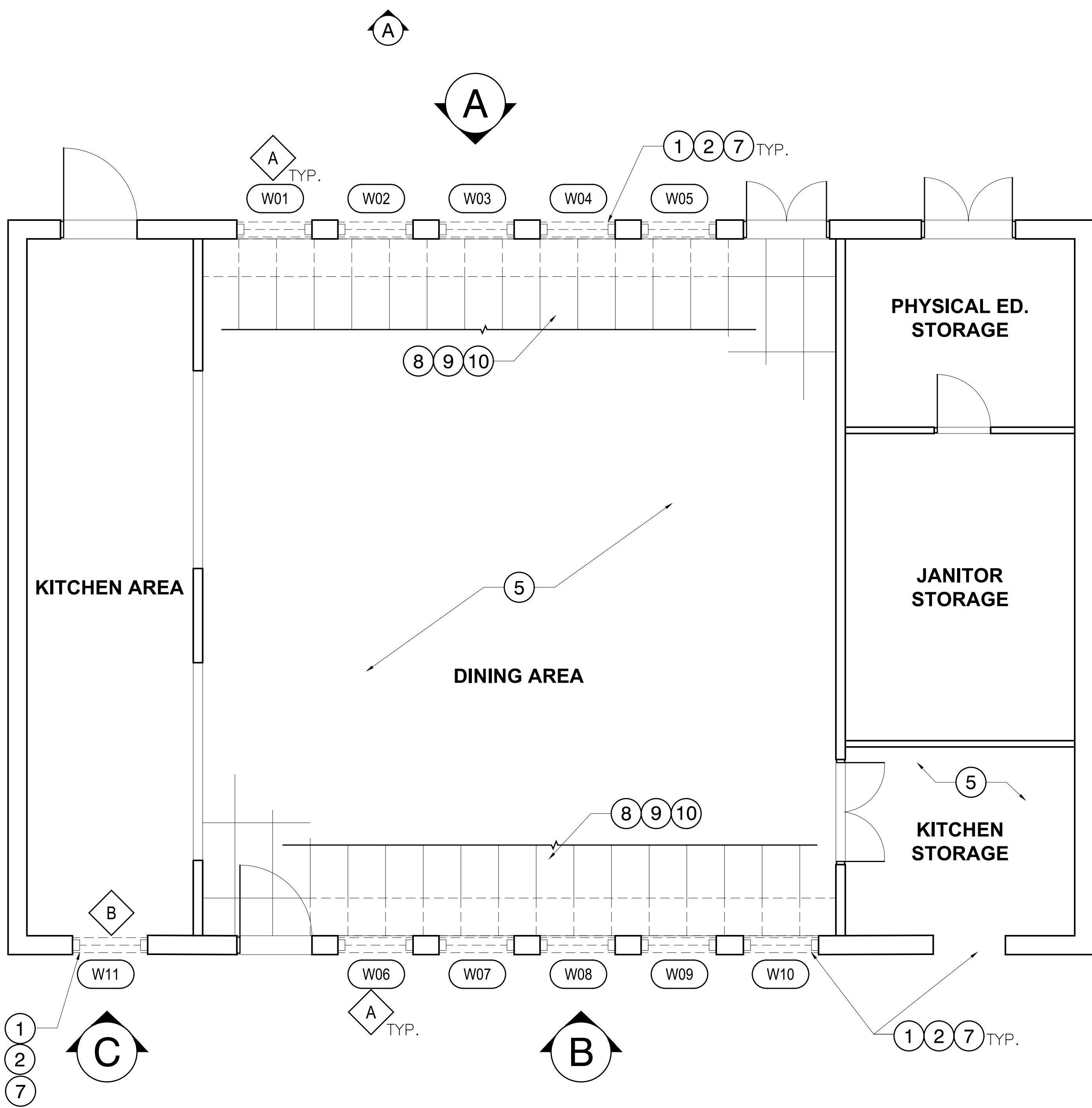
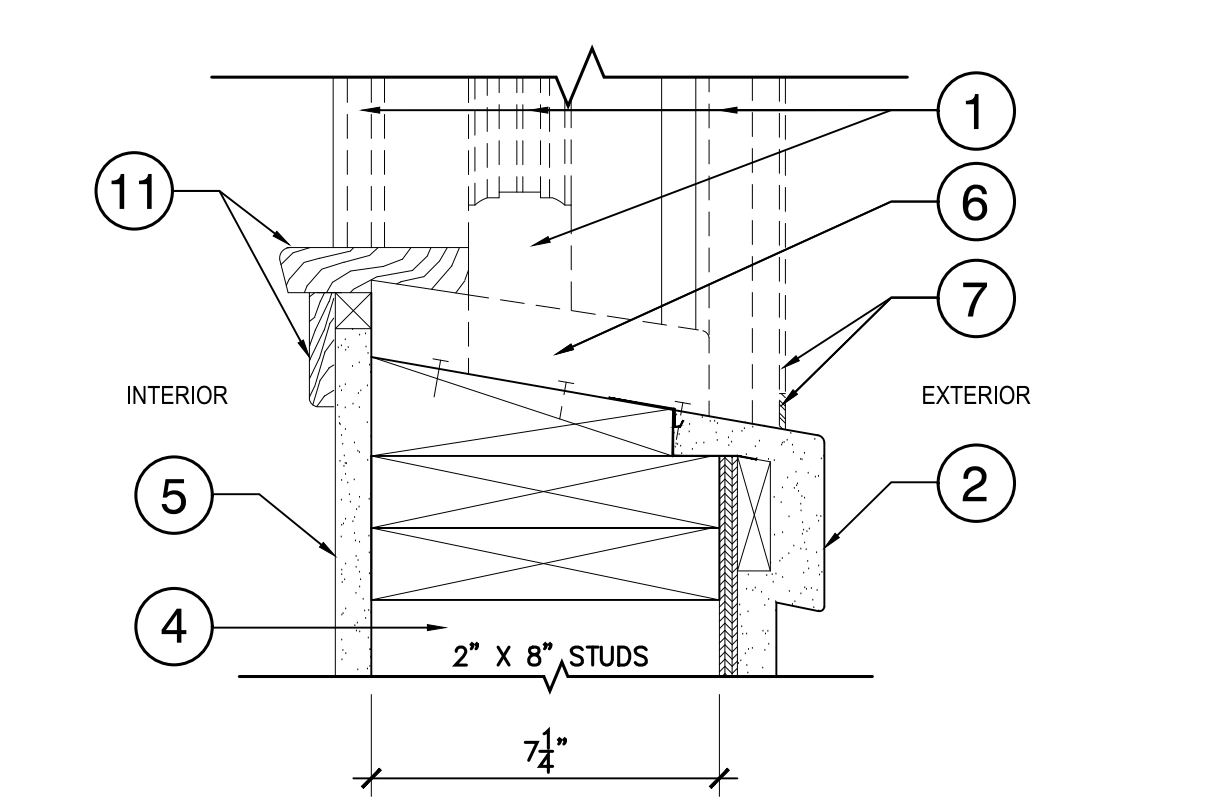
**TYPE A - (E) HEAD DETAIL** 3" = 1'-0" 1



**TYPE A - (E) JAMB DETAIL** 3" = 1'-0" 2

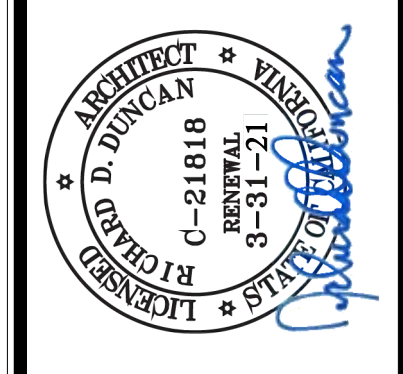


**TYPE A - (E) SILL DETAIL** 3" = 1'-0" 3



**LEGEND**

- DEMOLITION
- EXISTING WALL
- (E) ACT CEILING GRID



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 820 N. MOUNTAIN AVENUE  
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 UPLAND, CA 91786  
 (909) 985-6839 OFFICE  
 (909) 985-1084 FAX

**WINDOW REPLACEMENT**  
 JOHN MARSHALL ELEMENTARY SCHOOL  
 1201 EAST BROADWAY STREET  
 GLENDALE, CA 91205  
 GLENDALE UNIFIED SCHOOL DISTRICT

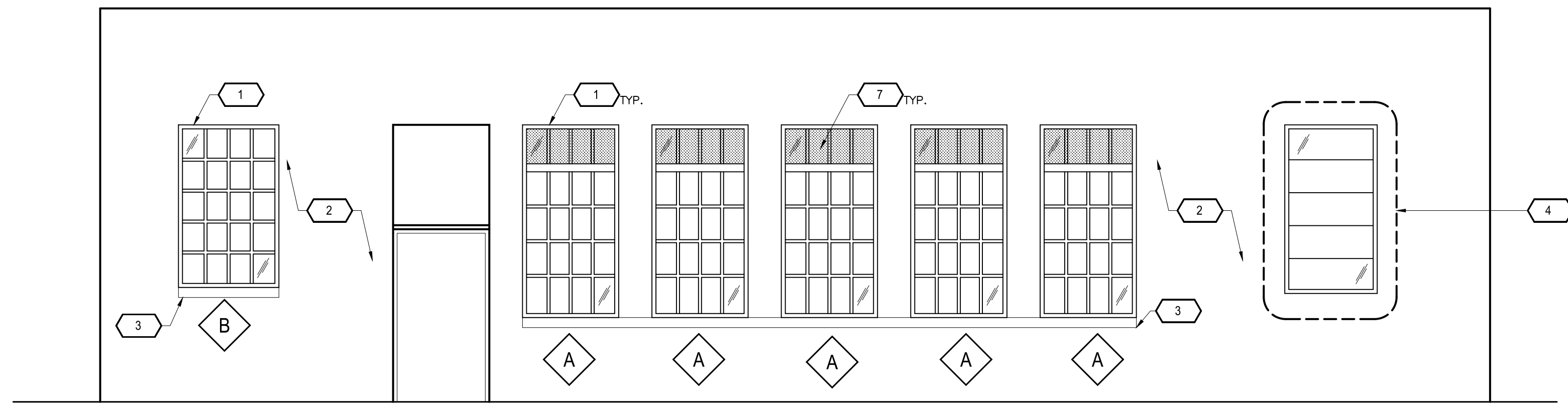
**DEMO PLAN, ELEVATIONS, AND (E) WINDOW DETAILS**

DATE: 03.22.2019  
 SCALE:

**A-2.0**

**BID SET**

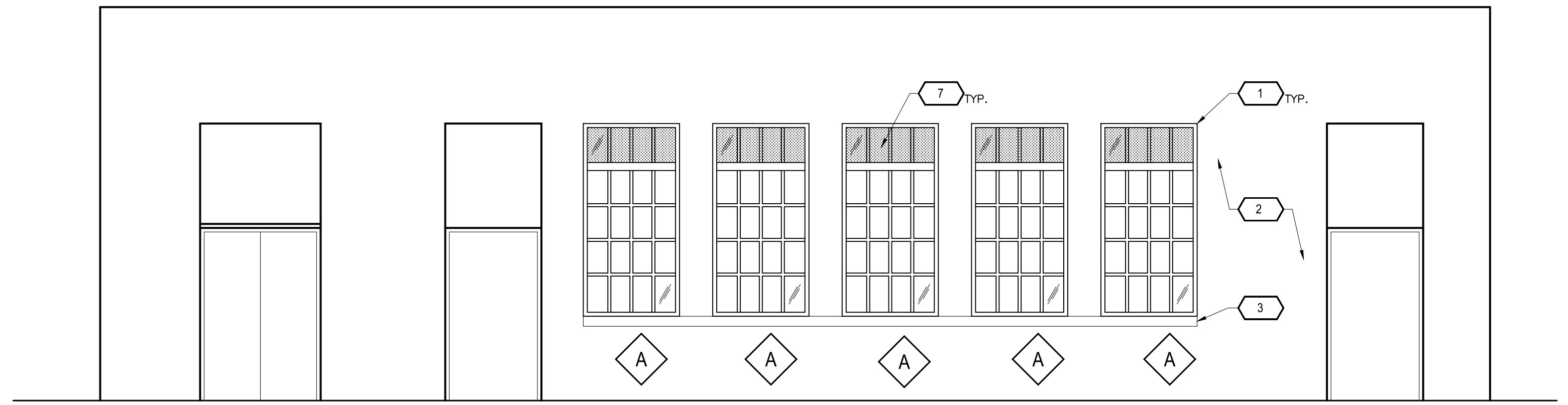
**DEMO FLOOR PLAN** 1/4" = 1'-0" 4



**EAST ELEVATION**

1/4" = 1'-0"

**2**



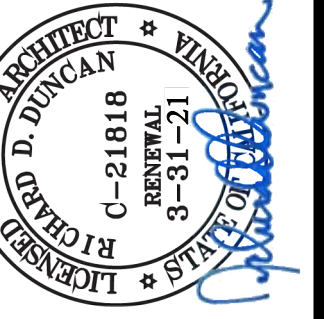
**WEST ELEVATION**

1/4" = 1'-0"

**3**

**PLAN NOTES**

PRIOR TO PREPARATION OF SHOP DRAWINGS, REMOVE EXISTING WINDOW AT OPENING INDICATED. VERIFY EXISTING CONDITIONS AND CONSTRUCTION CONFIGURATION OF EXISTING OPENING FOR CONFIRMATION OF HEAD, JAMB, AND SILL DETAILS; AND MEANS AND METHODS REQUIRED FOR INSTALLATION OF WINDOWS. SECURE OPENING WITH TEMPORARY CONSTRUCTION AS REQUIRED TO ENSURE OPENING REMAINS SECURE FROM INTRUSION AND WEATHER TIGHT.

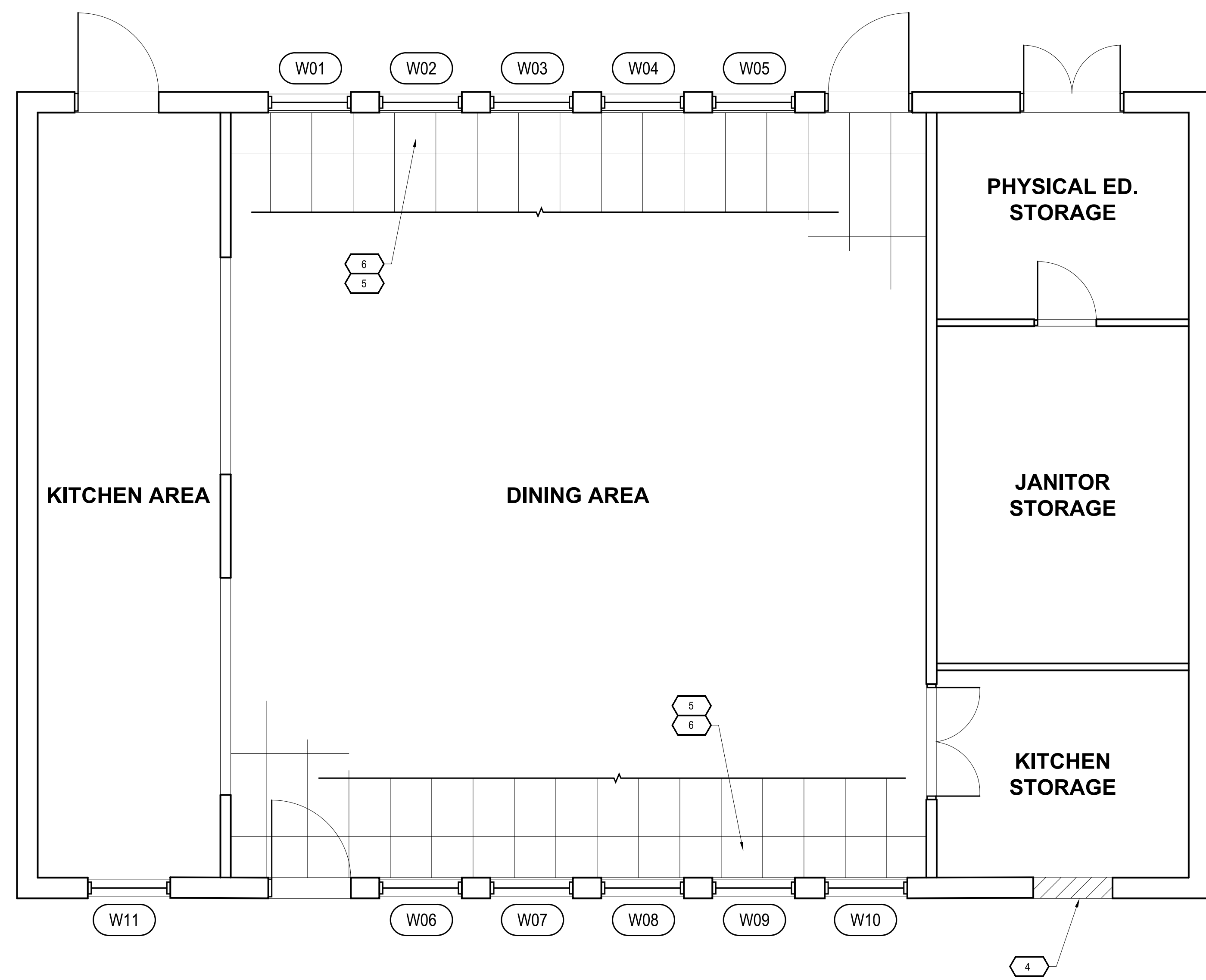


**GENERAL NOTES**

1. PROTECT ANY IMMEDIATE ADJACENT AREAS OF DEMOLITION WORK AND INTERIOR FINISHES FROM DAMAGE; COORDINATE DEMOLITION EFFORTS WITH NEW CONSTRUCTION.
2. IF SALVAGING MATERIALS, STORE SAFELY ON SITE TO AVOID DAMAGE.
3. GENERAL CLEANING OF ALL DEBRIS AND LOOSE ITEMS TO BE PART OF DEMOLITION IN PREPARATION AS REQUIRED FOR NEW WORK.
4. CLEAN EXISTING EXPOSED EXTERIOR AND INTERIOR BRICK, TILE OR DRY WALLS OF ALL PAINT.
5. CONTRACTOR SHALL CONTACT ARCHITECT AND OWNER REGARDING QUESTIONS TO DEMOLITION SCOPE OF WORK PRIOR TO PROCEEDING.
6. SEE ELEVATIONS FOR NOTES REGARDING ADDITIONAL INFORMATION FOR WINDOW REPLACEMENT AND EXTERIOR WALL REPAIR.
7. CONTRACTOR TO VISIT SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS ASSOCIATED FOR REMOVAL OF ITEMS REQUIRED FOR THE NEW WORK.
8. AT ALL EXISTING PORTIONS TO REMAIN, REMOVE MOLD, MILDEW, ALGAE THROUGHOUT PRIOR TO CONSTRUCTING NEW WORK.
9. ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO PROCEEDING THE WORK.
10. ALL WINDOW GLAZING TO BE 20% TINTED GLASS.

**KEYNOTES**

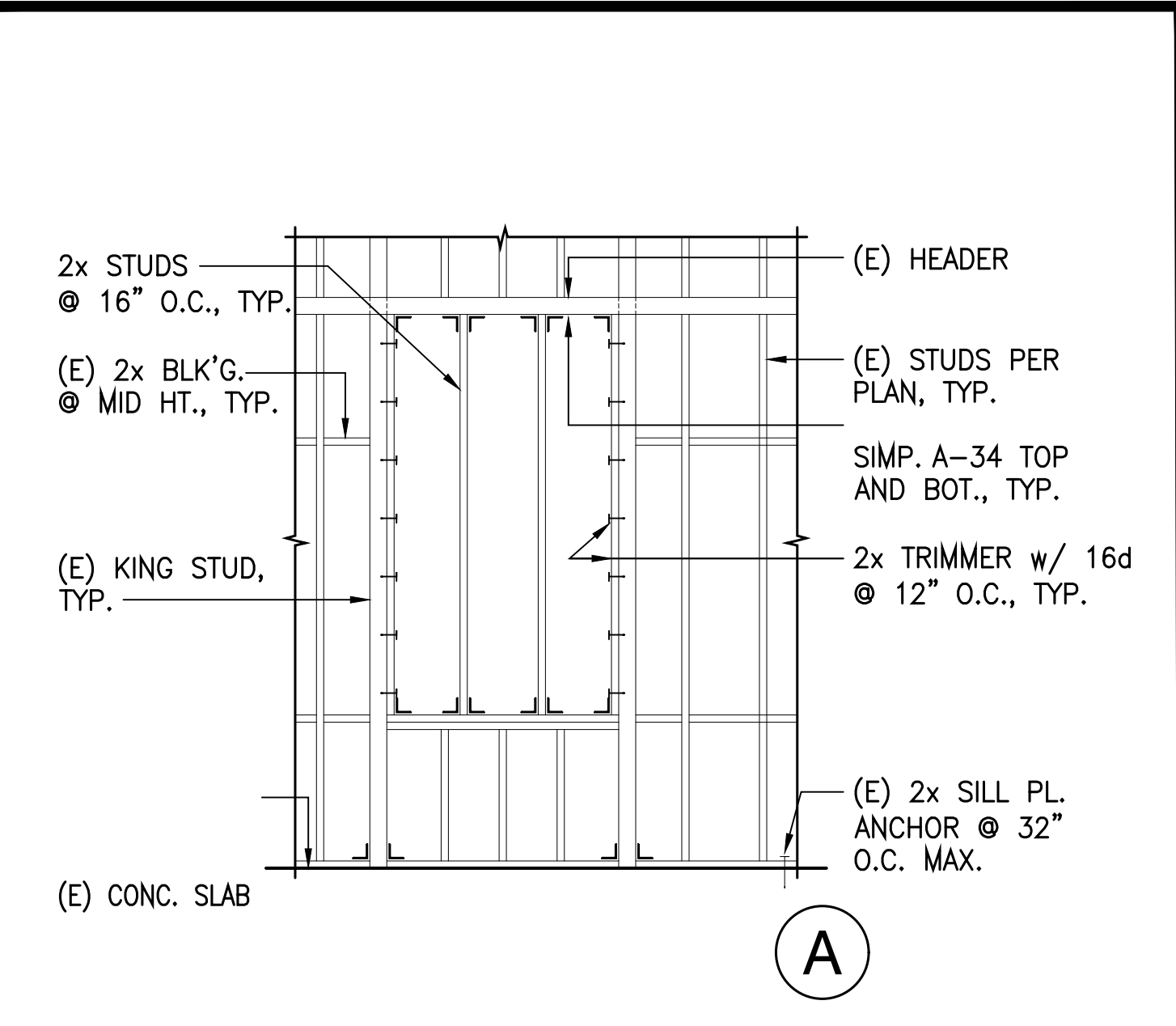
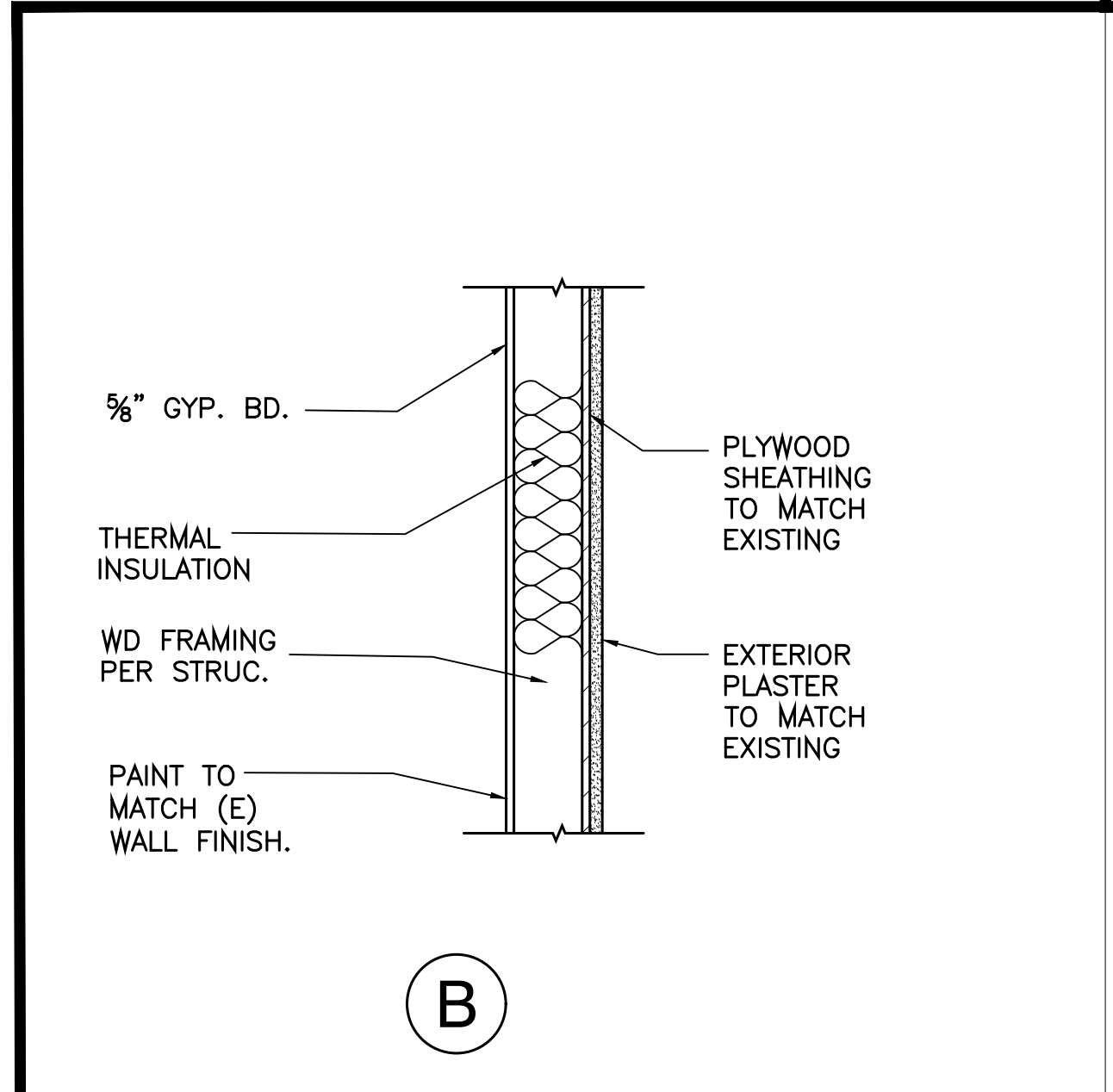
- 1 WINDOW FRAME COLOR PER DISTRICT'S STANDARD ( HORIZON BLUE).
- 2 PATCH AND REPAIR EXISTING WALL, WHERE DAMAGED DURING DEMOLITION. PAINT TO MATCH EXISTING FINISH WITH MINIMUM OF 2 COATS
- 3 EXTERIOR WINDOW SILL TO REMAIN. PATCH AND REPAIR WHERE DAMAGED DURING DEMOLITION. PAINT TO MATCH EXISTING FINISH WITH MINIMUM OF 2 COATS.
- 4 WALL INFILL AT (E) WINDOW OPENING. SEE DET. 1A FOR FRAMING DETAIL AND 1B FOR WALL SECTION DETAIL..
- 5 REINSTALL AND REPLACE ACT CEILING GRID AND TILES WHERE AFFECTED DURING DEMOLITION.
- 6 REINSTALL ANY LIGHT FIXTURES, DIFFUSERS, REGISTERS AND ANY OTHER CEILING COMPONENTS THAT WERE REMOVED DURING DEMOLITION.
- 7 SPANDREL GLASS THIS AREA . PAINT TO MATCH WINDOW FRAME COLOR.



**RENOVATION REFLECTED CEILING PLAN**

1/4" = 1'-0"

**4**



**INFL @ (E) WINDOW OPENING**

NTS

**1**

**RENOVATION EXTERIOR ELEVATIONS & REFLECTED CEILING PLAN**

WINDOW REPLACEMENT  
 JOHN MARSHALL ELEMENTARY SCHOOL  
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 (951) 565-6894 FAX

REVISIONS


NO. NUMBER: 2018-008  
 DRAWN BY: [Name]  
 DATE: 08/22/2018  
 SCALE: [Scale]

**A-6.0**

**BID SET**

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.

WATER TEST PERFORMANCE REQUIREMENTS

- 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 PRESSURES.

STRUCTURAL TEST PERFORMANCE REQUIREMENTS

- a. UNIFORM LOAD DEFLECTION TEST

- i. NO DEFLECTION OF ANY UNSUPPORTED SPAN L OF TEST UNIT (FRAMING RAILS, MUNTINS, MULLIONS, ETC.) IN EXCESS OF L/75 AT BOTH A POSITIVE AND NEGATIVE LOAD OF 100 PSF (DESIGN TEST PRESSURE) WHEN TESTED IN ACCORD WITH ASTM E530.

- b. 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 E530.

- 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.

THERMAL TRANSMITTANCE (U-FACTOR) FOR THE OVERALL WINDOW AREA SHALL BE LESS THAN OR EQUAL TO 0.39 BTU/HR-FT<sup>2</sup>- F. (BASED ON A 1" INSULATING GLASS MAKE UP OF 1/2" SOLARBAN 60 #2, 1/2" AIR FILL, 1/2" CLEAR).

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

ACOUSTIC PERFORMANCE REQUIREMENTS

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

TEST REPORTS AND CALCULATIONS

- 1. SUBMIT CERTIFIED INDEPENDENT LABORATORY TEST REPORTS VERIFYING COMPLIANCE WITH ALL TEST REQUIREMENTS OF 1.03.
- 2. SUBMIT STRUCTURAL CALCULATIONS INDICATING ADEQUACY OF ALL MATERIALS FURNISHED UNDER THIS SECTION, IN MEETING THE UNIFORM AND STRUCTURAL LOAD REQUIREMENTS AS SPECIFIED IN 1.03A.

WARRANTY

- 1. 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.
- 2. IN THE EVENT THAT WINDOWS OR COMPONENTS ARE FOUND DEFECTIVE, MANUFACTURER WILL REPAIR OR PROVIDE REPLACEMENT MATERIAL WITHOUT CHARGE AT MANUFACTURER'S OPTION.
- 3. WARRANTY FOR ALL COMPONENTS MUST BE DIRECT FROM THE MANUFACTURER (NON PASS-THROUGH) AND NON PRO-RATED FOR THE ENTIRE TERM.

ACCEPTABLE WINDOW MANUFACTURER

- 1. DRAWINGS AND SPECIFICATION ARE BASED ON:
  - a. WAUSAU WINDOW AND WALL SYSTEMS - 22501 AND 42501 INVENT SERIES THERMAL FIXED, PROJECTED AND/OR CASEMENT WINDOWS.
  - b. BASE BID WILL BE WAUSAU WINDOW AND WALL SYSTEMS.
- 2. SUBSTITUTIONS

- 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.

- 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

FINISHES

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

Table with 4 columns: DESIGNATION, DESCRIPTION, STANDARD, COLOR. Row 1: PAINT, 70% PVDF, AAMA 2605, DISTRICT STANDARD HORIZON BLUE (MATCH EXISTING)

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; 714-831-8361.
  - 1.5. OLDCASTLE GLASS, SANTA MONICA, CA; 866-853-2278.

B. FIRE-RATED GLASS:

- 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 90 MINUTES), 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.

2. MATERIALS

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

B. GLAZING TYPES:

- 1. TYPE B (LAMINATED GLAZING): TWO LAYERS OF 1/8" THICK, TEMP. (1/4" INCH LOW E, WITH GREY LIGHT 20% TINT AND TO NOTCH EXISTING.) LAMINATED GLAZING WITH 0.03" THICKNESS INTERLAYER FILM MEETING UL972 REQUIREMENTS.

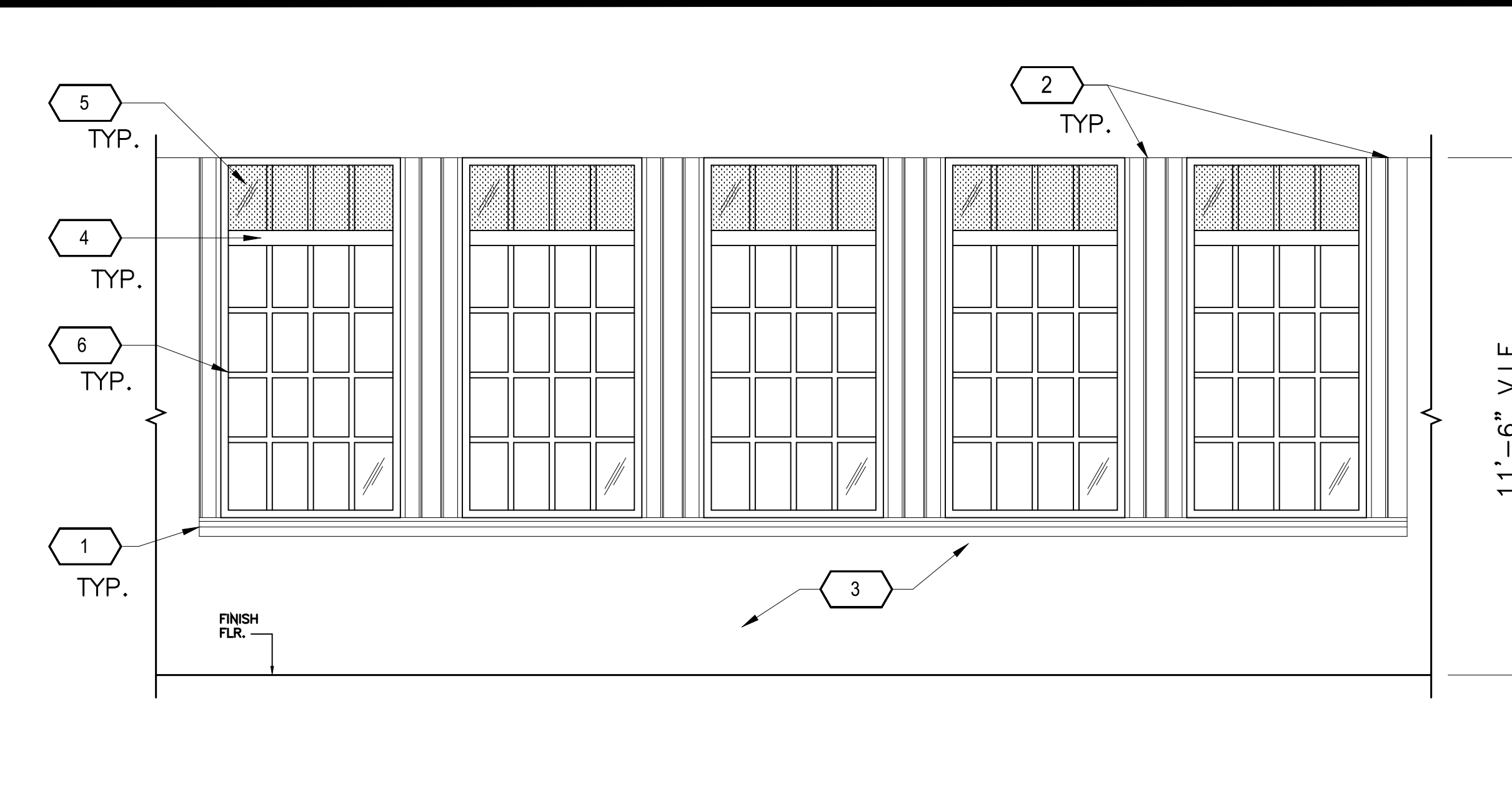
a. ACCEPTABLE MANUFACTURERS AND PRODUCTS:

- 1) INSULGARD COASTGUARD BY INSULGARD NO. CG416
- 2) SAFLEX INTERLAYER BY SOLUTIA, INC.

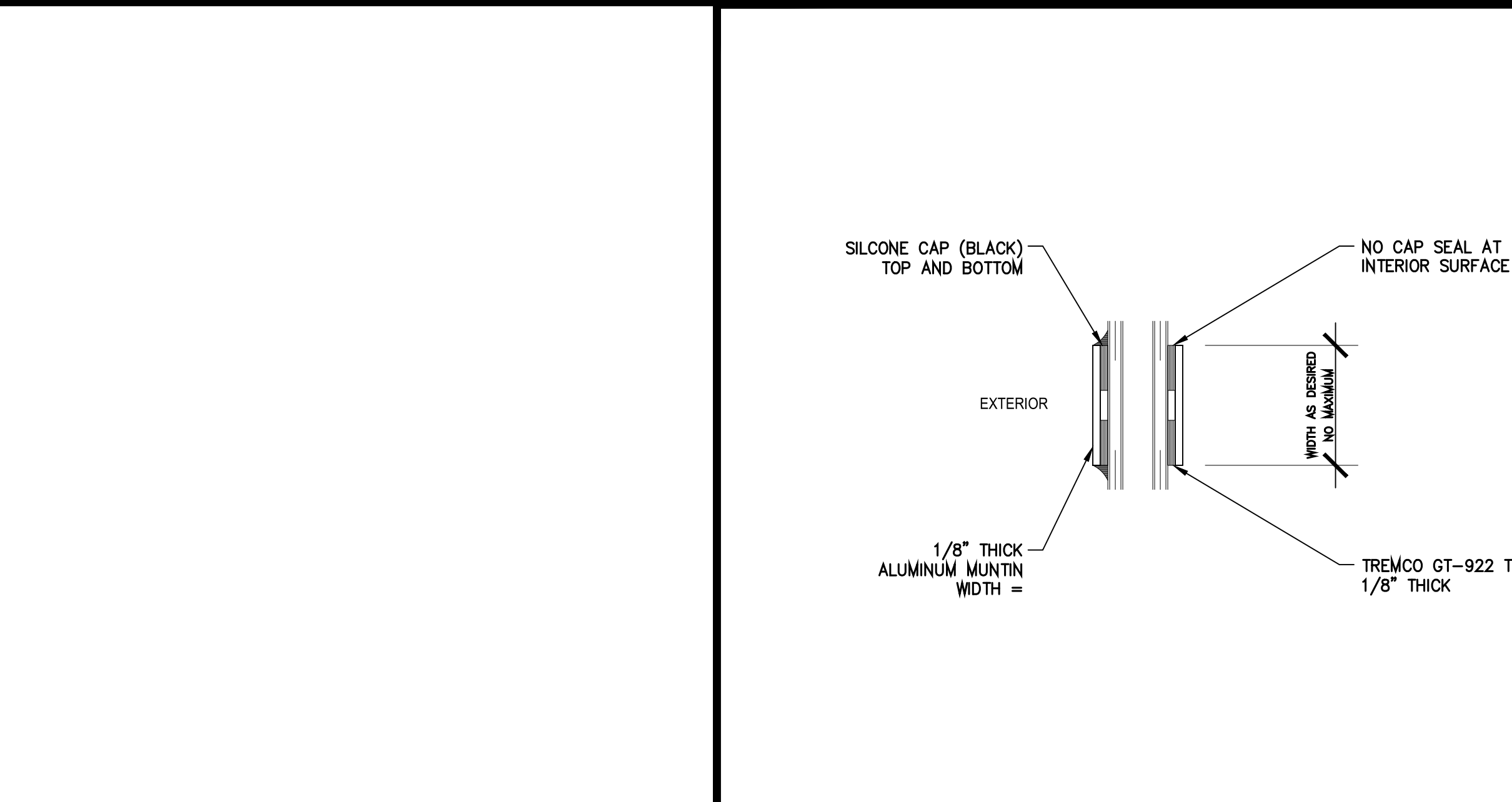
- C. GLAZING ACCESSORIES: CONFORM TO FGMA GLAZING SEALING SYSTEMS MANUAL AND/OR PRINTED RECOMMENDATIONS BY GLAZING MANUFACTURERS, WHICHEVER IS MOST STRINGENT, FOR THE FOLLOWING:

- 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 RETAINING SLOT.
- 4. GLAZING COMPOUND: FS TT-G 410 (SUPERSEDE BY ASTM C669-00); NON-HARDENING; KNIFE GRADE CONSISTENCY DAF 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 PAPER; BLACK COLOR.

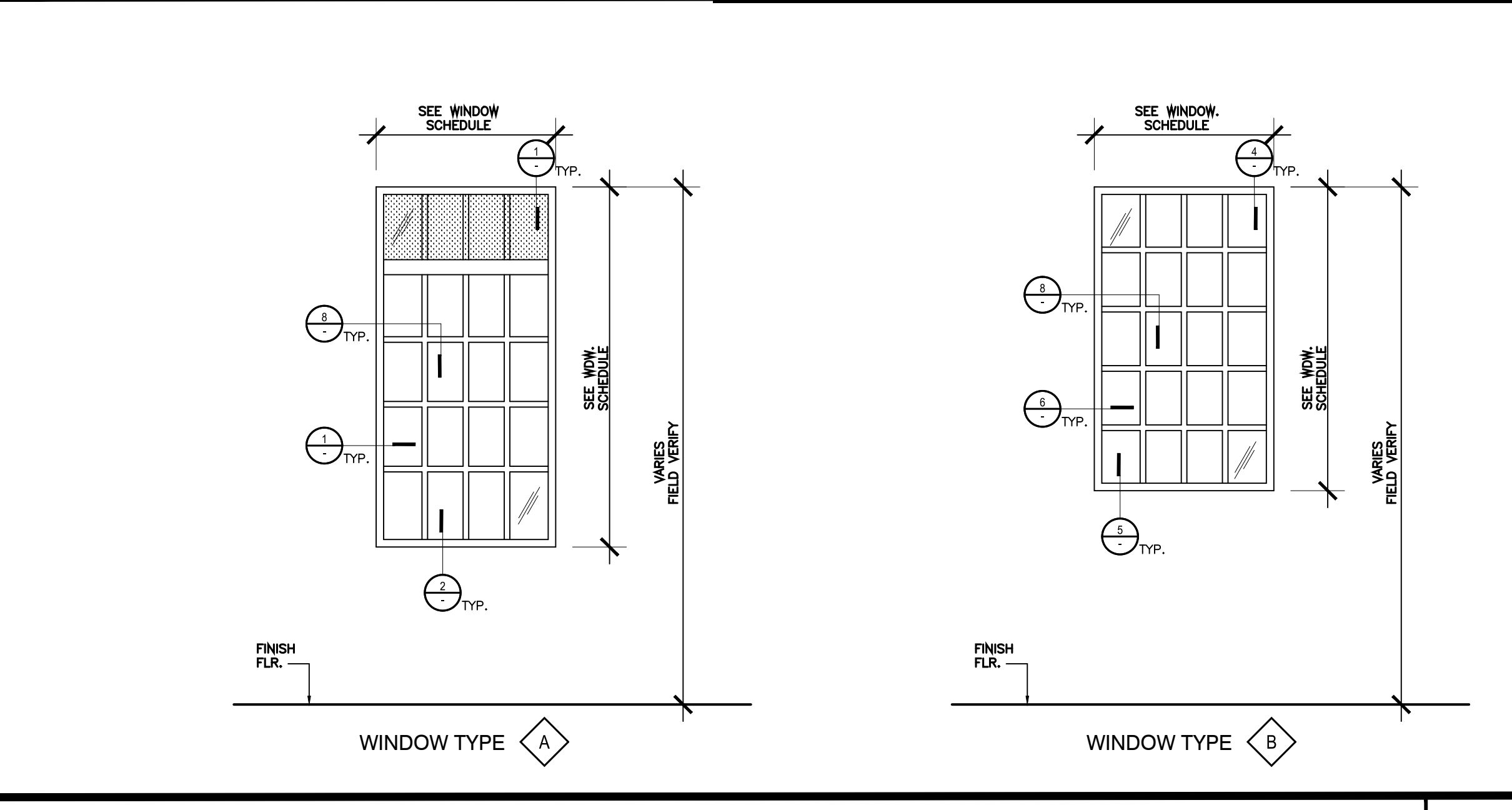
WINDOW SCHEDULE table with columns: OPENING NUMBER, EXISTING WINDOW, FRAME, DETAILS (HEAD, JAMB, SILL, MULLION), GLASS TYPE, REMARKS. Includes rows W01 through W11.



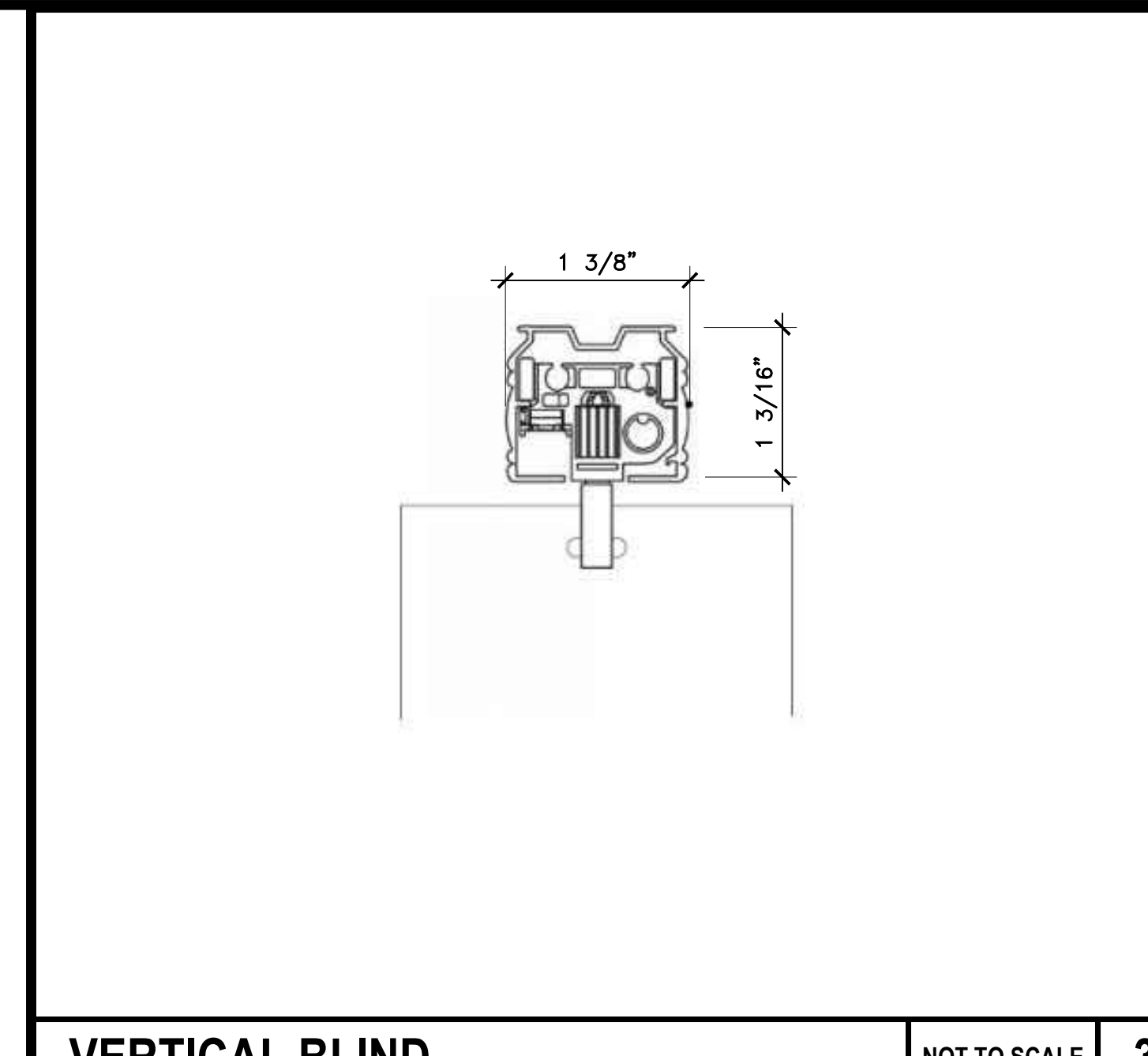
TYPICAL INT. ELEVATION @ DINING AREA NTS 7



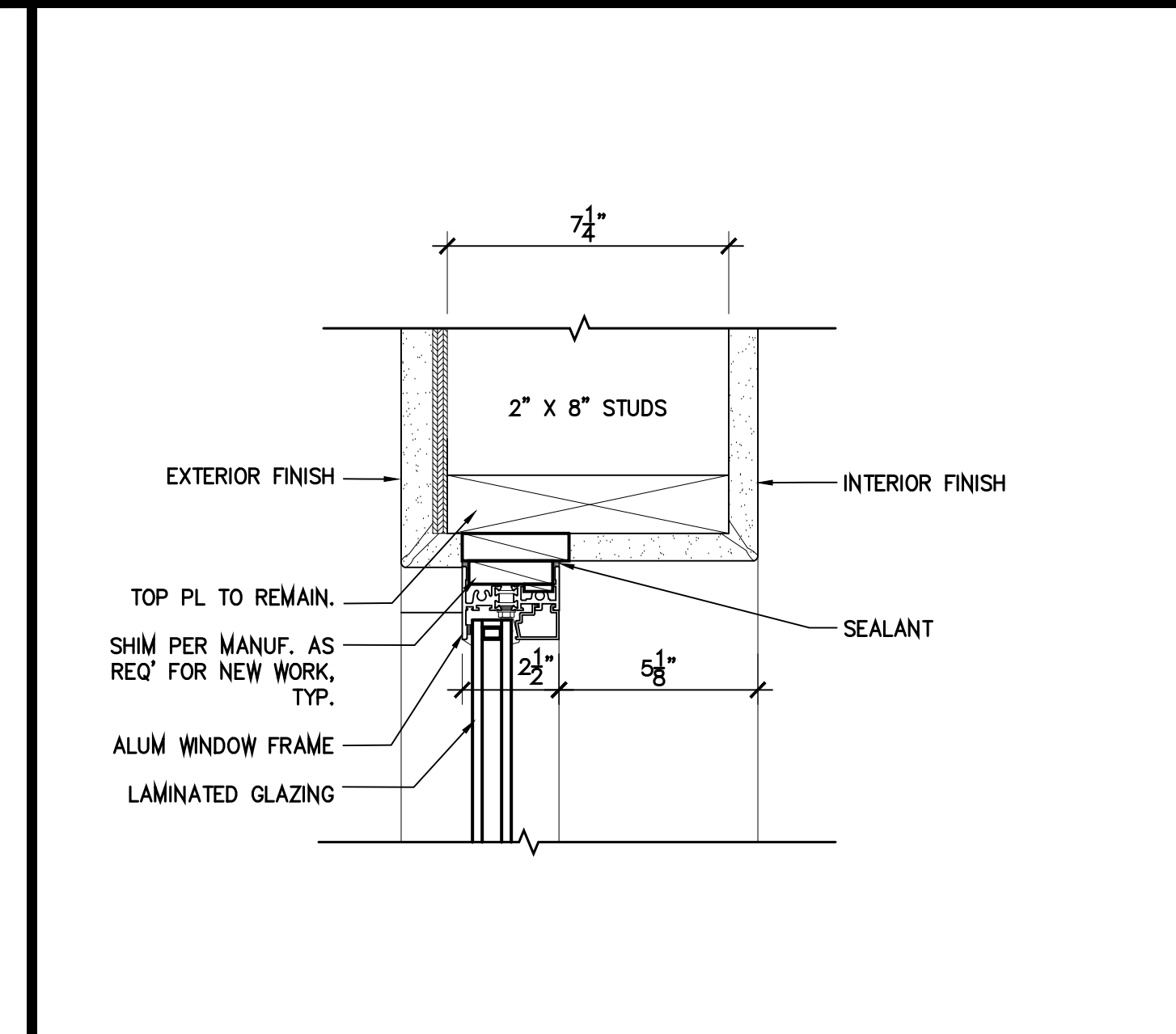
MULLION DETAIL 6" = 1'-0" 8



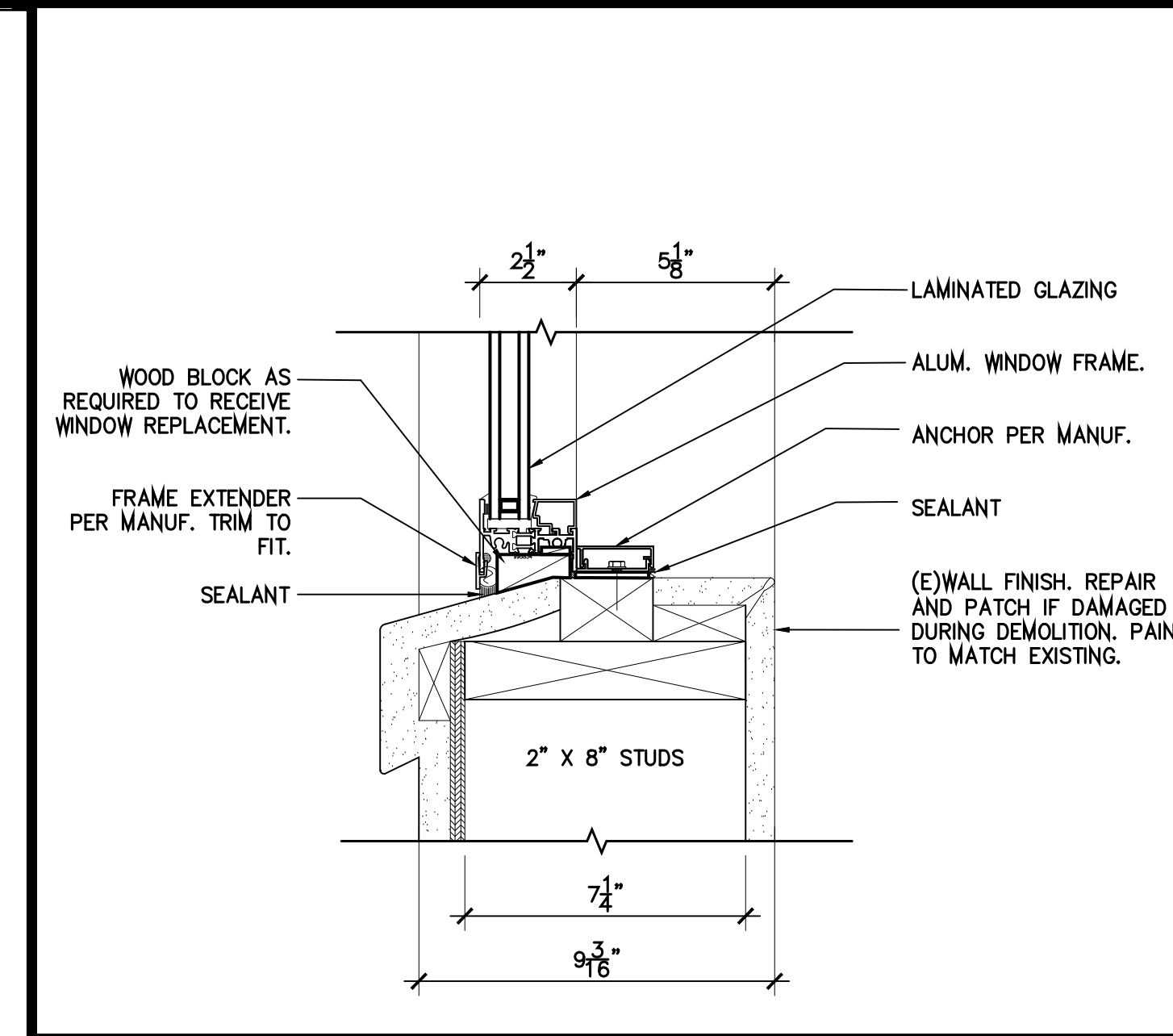
WINDOW TYPES NTS 9



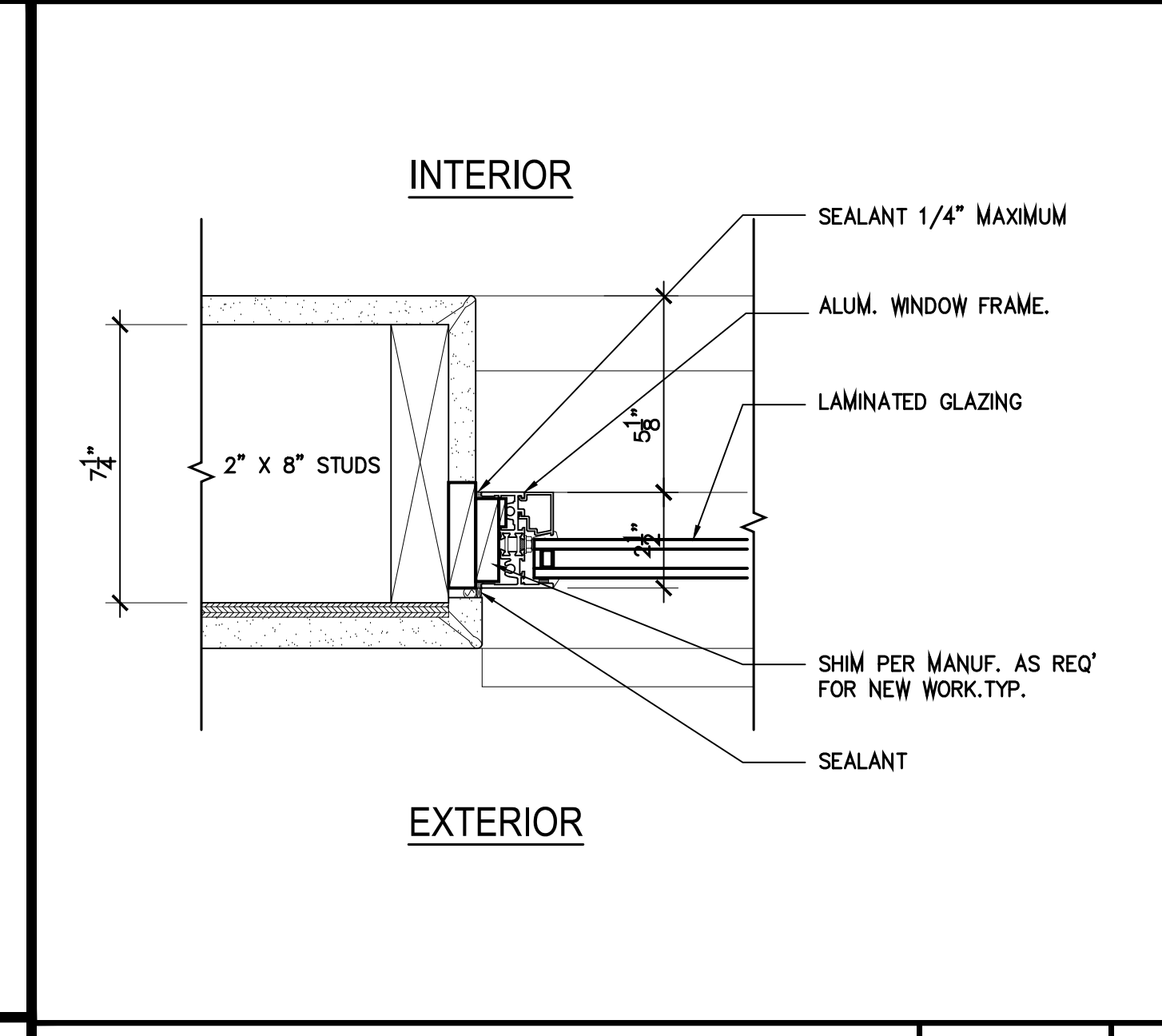
VERTICAL BLIND NOT TO SCALE 3



TYPE B - HEAD DETAIL 3" = 1'-0" 4



TYPE B - SILL DETAIL 3" = 1'-0" 5



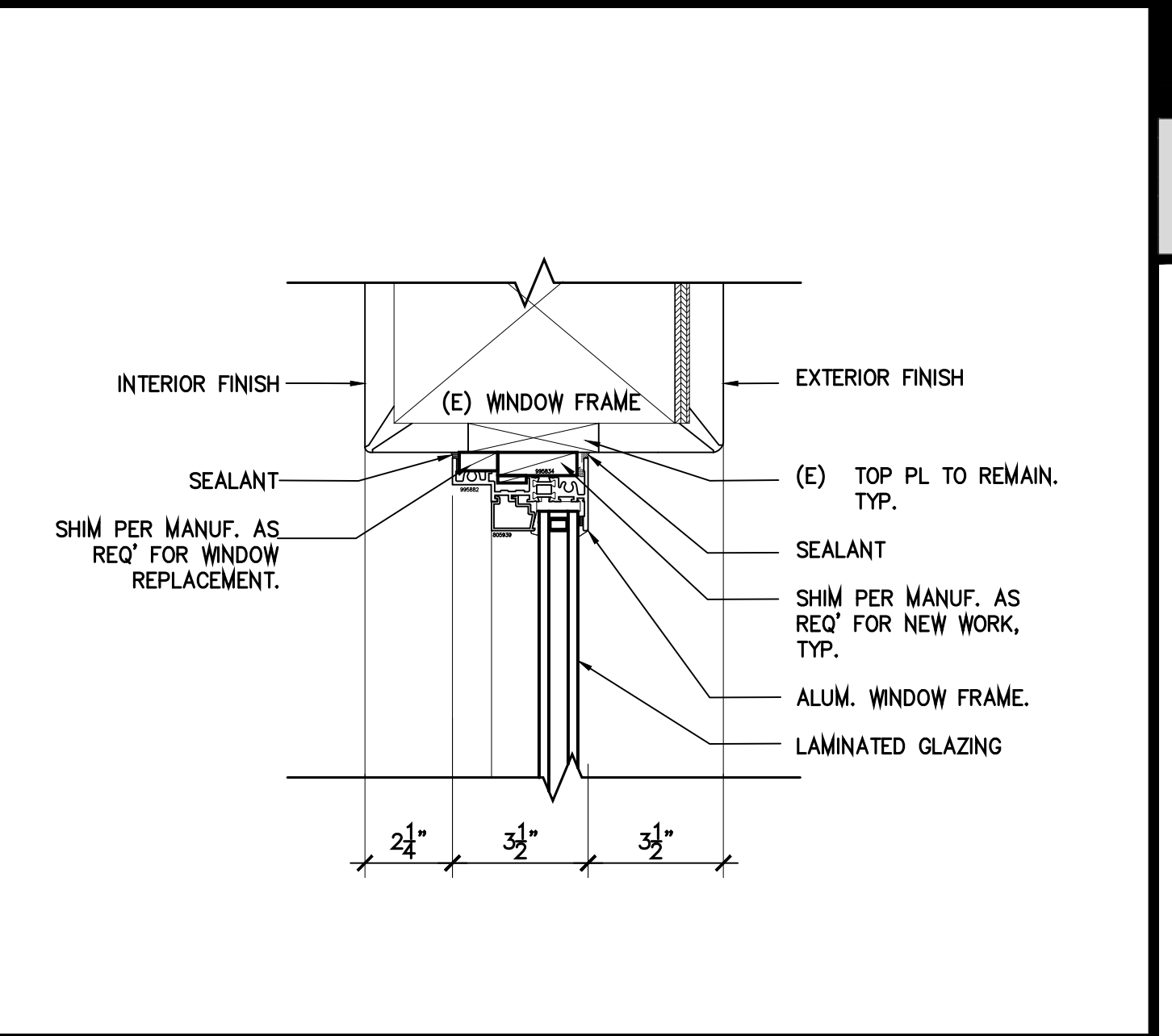
TYPE B - JAMB DETAIL 3" = 1'-0" 6

PLAN NOTES. PRIOR TO PREPARATION OF SHOP DRAWINGS, REMOVE EXISTING WINDOW AT OPENING INDICATED. VERIFY EXISTING CONDITIONS AND CONSTRUCTION CONFIGURATION OF EXISTING OPENING FOR CONFIRMATION OF HEAD, JAMB, AND SILL DETAILS; AND MEANS AND METHODS REQUIRED FOR INSTALLATION OF WINDOWS. SECURE OPENING WITH TEMPORARY CONSTRUCTION AS REQUIRED TO ENSURE OPENING REMAINS SECURE FROM INTRUSION AND WEATHER TIGHT.

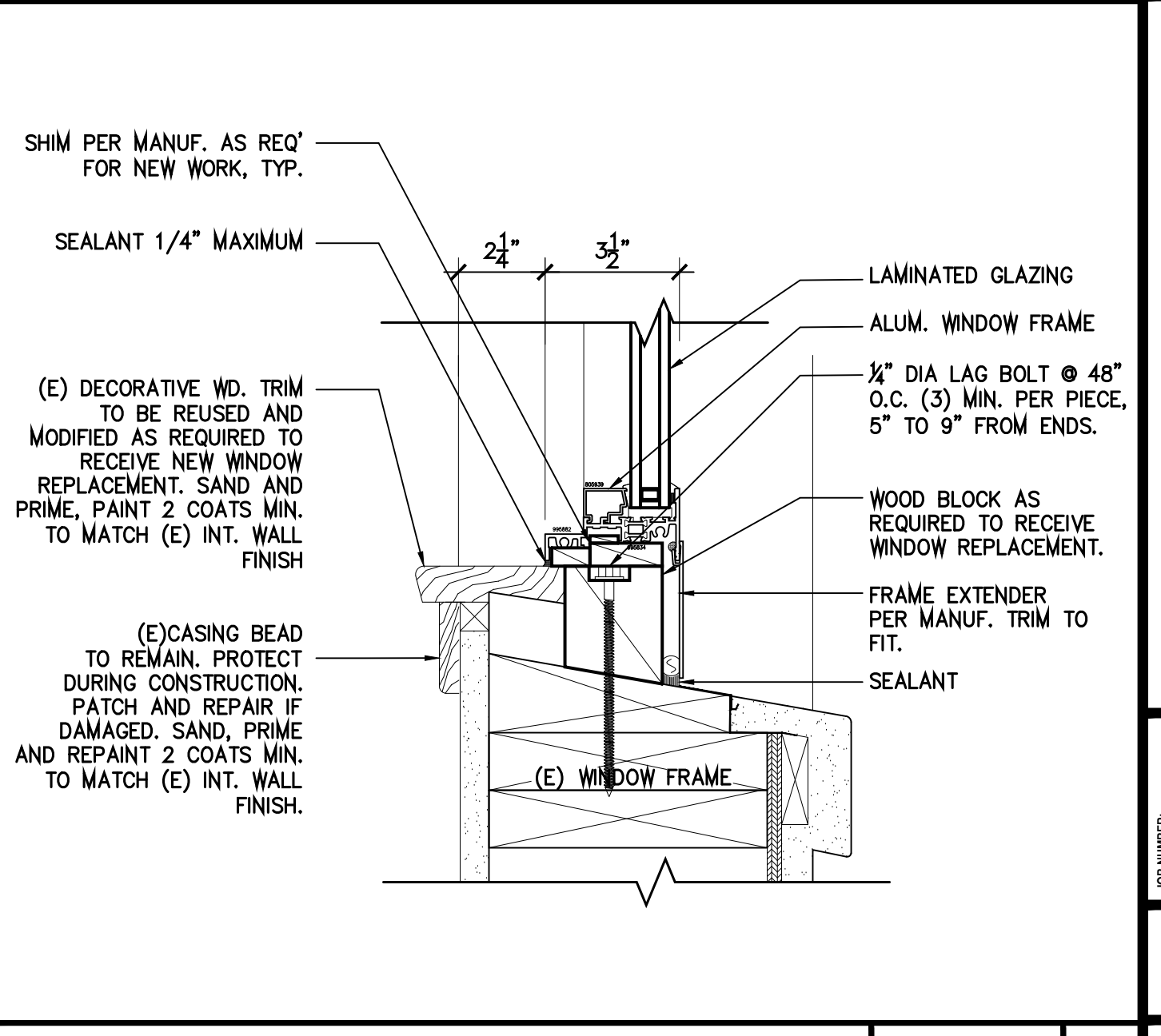
GENERAL NOTES. 1. PROTECT ANY IMMEDIATE ADJACENT AREAS OF DEMOLITION WORK AND INTERIOR FINISHES FROM DAMAGE; COORDINATE DEMOLITION EFFORTS WITH NEW CONSTRUCTION. 2. IF SALVAGING MATERIALS, STORE SAFELY ON SITE TO AVOID DAMAGE. 3. GENERAL CLEANING OF ALL DEBRIS AND LOOSE ITEMS TO BE PART OF DEMOLITION IN PREPARATION AS REQUIRED FOR NEW WORK. 4. CLEAN EXISTING EXPOSED EXTERIOR AND INTERIOR BRICK, TILE OR DRY WALLS OF ALL PAINT. 5. CONTRACTOR SHALL CONTACT ARCHITECT AND OWNER REGARDING QUESTIONS TO DEMOLITION SCOPE OF WORK PRIOR TO PROCEEDING. 6. SEE ELEVATIONS FOR NOTES REGARDING ADDITIONAL INFORMATION FOR WINDOW REPLACEMENT AND EXTERIOR WALL REPAIR. 7. CONTRACTOR TO VISIT SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS ASSOCIATED FOR REMOVAL OF ITEMS REQUIRED FOR THE NEW WORK. 8. AT ALL EXISTING PORTIONS TO REMAIN, REMOVE MOLD, MILDEW, ALGAE THROUGHOUT PRIOR TO CONSTRUCTING NEW WORK. 9. ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO PROCEEDING THE WORK. 10. ALL WINDOW GLAZING TO BE 20% TINTED GLASS.

KEYNOTE NOTES

- 1. REUSE AND MODIFY EXISTING DECORATIVE WOOD CASING BEAD PER DETAIL 2 THIS SHEET. REINSTALL, SAND, PRIME AND REPAINT MINIMUM 2-COATS TO MATCH EXISTING FINISH.
- 2. SAND ENTIRE (E) DECORATIVE WINDOW TRIM. PRIME AND PAINT MINIMUM 2-COATS TO MATCH EXISTING.
- 3. SAND ENTIRE WALL, REPAIR AND PATCH ANY HOLES, DAMAGES DURING DEMOLITION. PRIME AND REPAIR MINIMUM 2-COATS TO MATCH EXISTING WALL FINISH.
- 4. NEW VERTICAL VINYL BLINDS. SEE DETAIL 3 THIS SHEET.
- 5. SPANDREL GLASS THIS AREA. PAINT TO MATCH WINDOW FRAME COLOR.
- 6. WINDOW FRAME COLOR PAINT TO MATCH EXISTING INTERIOR WALL FINISH.



TYPE A - HEAD / JAMB DETAIL 3" = 1'-0" 1



TYPE A - SILL DETAIL 3" = 1'-0" 2

Professional seal and project information including 'DC ARCHITECTS', 'WINDOW REPLACEMENT JOHN MARSHALL ELEMENTARY SCHOOL', '1201 EAST BROADWAY STREET GLENDALE, CA 91205', 'GLENDALE UNIFIED SCHOOL DISTRICT', 'WINDOW TYPES, SCHEDULE DETAILS AND REQUIREMENTS', and 'A-7.0 BID SET'.