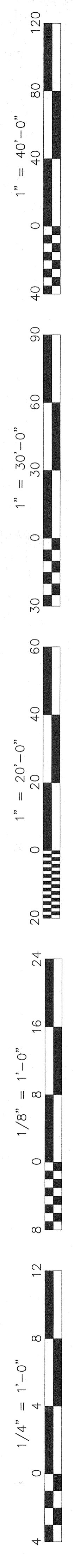
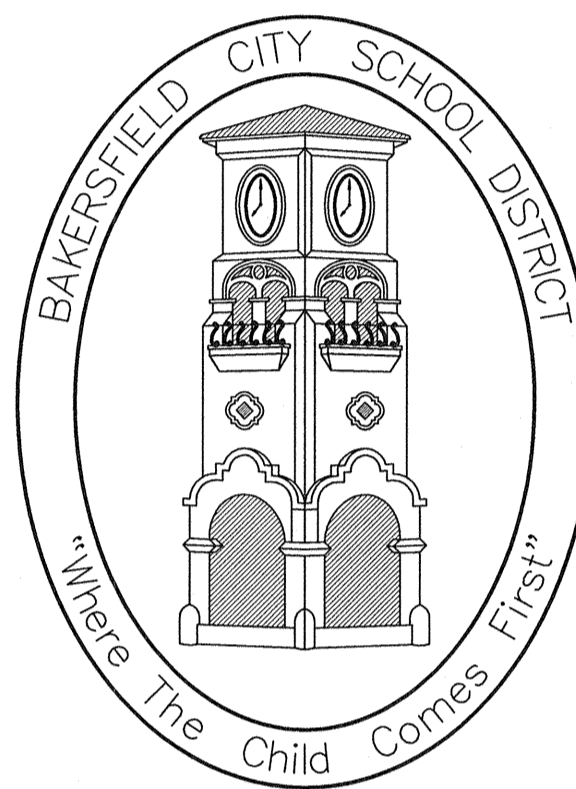


# MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION BAKERSFIELD CITY SCHOOL DISTRICT 2161 POTOMAC AVENUE BAKERSFIELD CA,



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6011 N. Fresno, Suite 130 - Fresno, California 93710  
Phone (559) 436-0881 Fax (559) 436-0887 E-Mail: design@somam.com  
www.integrateddesigns.com

Rev. Date: \_\_\_\_\_  
Revision Description: \_\_\_\_\_  
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Revision Description: \_\_\_\_\_  
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Revision Description: \_\_\_\_\_

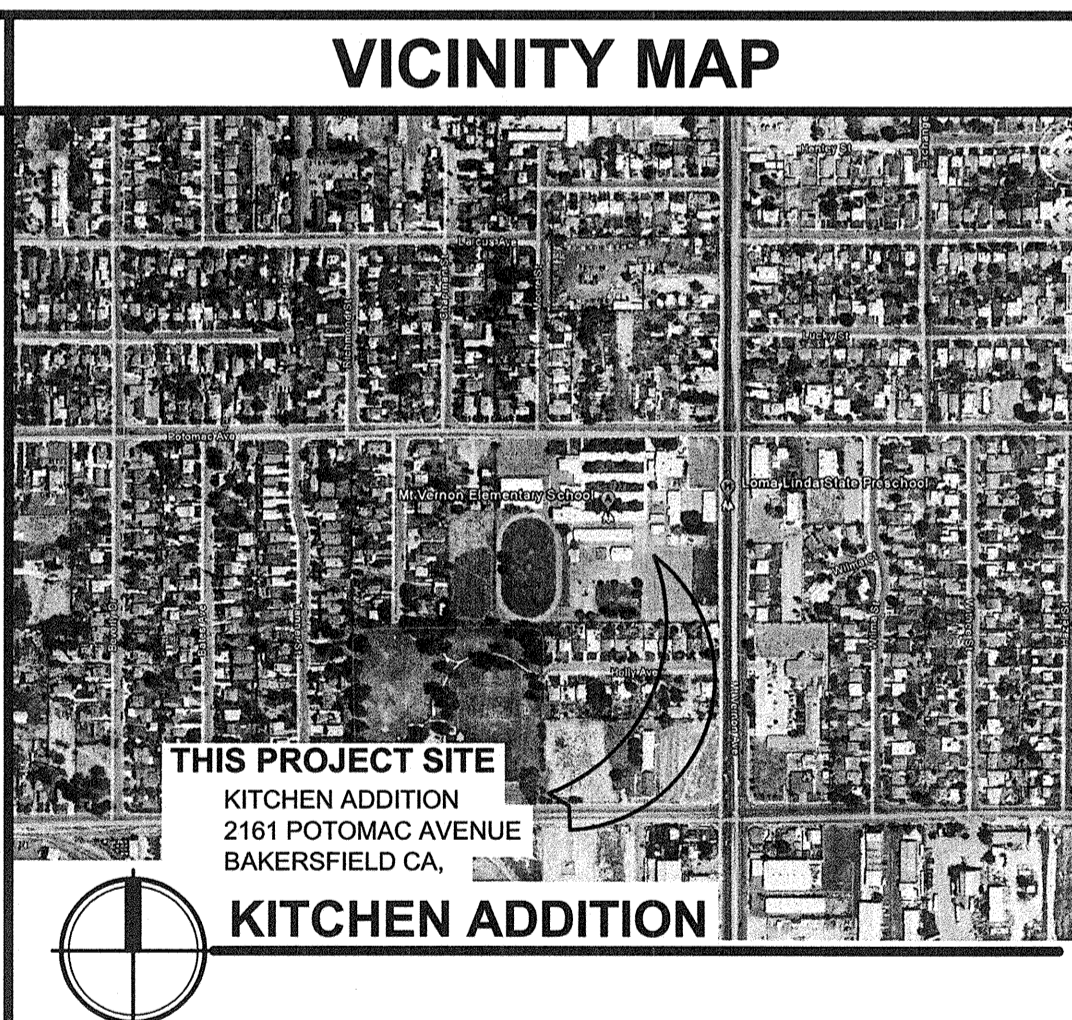
**TITLE SHEET**  
Project Name & Address: **MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA

Issue Date: 07/20/12  
Date: 07/31/12  
Designer: \_\_\_\_\_  
DR: \_\_\_\_\_  
FC: CJM

FILE # 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-114521  
DATE: 8/1/12  
TRACKING #: 63321-118

Stamp(s):  
Job No.: **3990**  
Sheet No.: **T1.01**  
Release: \_\_\_\_\_

ABBREVIATIONS			
ABOVE FINISHED FLOOR	ABV	EACH	EA
ACCESSIBLE	A.C.C.	ELECTRIC	ELEC.
ACOUSTICAL	ACOUST.	ELECTRIC DRINKING FOUNTAIN	E.D.F.
ADJACENT	ADJ.	ELEVATION	ELEV., EL.
ADJUSTABLE	ADJUST.	EQUAL	EQU.
AIR CONDITIONING	A/C	EQUIPMENT	EQUIP.
ALUMINUM	ALUM., AL.	EXHAUST	EXH.
ANCHOR BOLT	AB.	EXHAUST FAN	E.F.
BENT ANCHOR BOLT	B.A.B.	EXISTING	EX.
ANDOD	ANDOD.	EXPANSION	EXP.
ARCHITECTURAL	ARCH.	EXPANSION JOINT	E.J.
ASPHALT CONCRETE	A.C.	EXTERIOR	EXT.
BACKBOARD	BACKBRD.	FABRIC WALL COVERING	F.W.C.
BEAM	B.M.	FACE OF BLOCK	F.O.B.
BENCH MARK	B.M.	FACE OF CONCRETE	F.O.C.
BETWEEN	B.TWN.	FACE OF STUD	F.O.S.
BLOCK	BLK.	FACE OF WALL	F.O.W.
BOTTOM	BTM., BTM.	FACTORY FINISH	F.F.
BUILDING	BLDG.	FEE/FOOT	FT.
CABINET	CAB.	FEMININE NAPKIN DISPOSAL	F.N.D.
CADMIUM	CAD.	FIBER GLASS	F.G., FIBERGL.
CARPET	CPT.	FINISH	FIN.
CARRIAGE BOLT	C.B.	FIRE EXTINGUISHER CABINET	F.E.C.
CAST IRON	C.I.	FIRE RATED GYP. BD.	F.R.G.B.
CEILING	CLG., CEL'G.	FIXED GLASS	F.G.
CEILING DIFFUSER	C.D.	FLAT HEAD	F.H.
CEILING GRILLE	C.G.	FLOOR	FLR.
CEILING REGISTER	C.R.	FLOOR DRAIN	F.D.
CEMENT	CEM.	FLOURESCENT	FLUOR.
CENTERLINE	C.L.	FOOTING	FTG.
CERAMIC TILE	C.T.	FOUNDATION	FOUND.
CIRCUIT	CRT.	FRAMING	FRM'G.
CLEANOUT	C.O.	GAGE/GAUGE	GA.
CLEAR	C.L.R.	GALVANIZE	GA.LV.
COLD WATER	C.W.	GALVANIZED IRON	G.I.
COLUM	COL.	GLASS	GL.
COMBINATION/COMPOSITE	COMB.	GRAB BAR	G.B.
COMPOSITION, COMPOSITE	COMP.	GRADE	GR.
CONCRETE	CONC.	GRIND	GRD.
CONCRETE MASONRY UNIT	C.M.U.	GYP.	GYP.
CONDITION	COND.	GYP. BOARD	G.B., GYP. BD.
CONNECTION	CONN.	HARDWARE	HW.
CONSTRUCTION JOINT	CONSTR. J.	HEAD	HD.
CONTINUOUS	CONT.	HEADER	HDR.
CONTRACTOR	CONTR.	HT., H.	H.T., H.
COORDINATE	COORD.	HOLLOW METAL	H.M.
COUNTERSINK	CSK.	HORIZONTAL	HORIZ.
DEPARTMENT	DEPT.	HOT WATER	H.W.
DEPTH, DEEP	D.	HOSE BIBB	H.B.
DETAIL	DET., DTL.	INSULATION	INSUL.
DIAGONAL	DIAG.	INTERIOR	INT.
DIAMETER	DIA.	INCH	IN.
DIMENSION	DM.	INSIDE DIAMETER/DIMENSION	I.D.
DISPENSER/DISPOSAL	DISP.	INSULATION	INSUL.
DIVISION	DIV.	INTERIOR	INT.
DOOR	DR.	JAMB	JB.
DOUBLE	DBL.	JOINT	JT.
DOWN	DN.		
DOWNSPOUT	D.S.		
DRAWING	DRWG.		
DRINKING FOUNTAIN	D.F.		
LAMINATE	LAM.	SANITARY NAPKIN DISPENSER	S.N.D.
LAVATORY	LAV.	SANITARY NAPKIN RECEPTACLE	S.N.R.
LEFT HAND	L.H.	SCHEDULE	SCH.
LINOLEUM	LINO.	SEAT COVER DISPENSER	S.C.D.
LONG	LG.	SECTION	SECT.
MACHINE BOLT	M.B.	SHEATHING	SHG.
MACHINE SCREW	M.S.	SHEET	SH.
MANUFACTURER	M.F.	SHEET METAL & AIR	S.M.
MATERIAL	MAT., MATL.	CONDITIONING CONTRACTOR	M.F.C.R.
MAXIMUM	MAX.	NATIONAL ASSOCIATION	N.A.
MECHANICAL	M.ECH.	SHEET METAL SCREWS	S.M.S.
MEDIUM	MED.	SIMILAR	S.
MEMBRANE	MBNE.	SINK	S.
METAL	M.	SOAP DISPENSER	S.D.
METAL PLANAR CEILING	M.P.C.	METAL TOILET PARTITION	M.T.P.
MILL	MILL.	MILLIMETER	M.M.
MINIMUM	MIN.	MISCELLANEOUS	MISC.
MISCELLANEOUS	MISC.	MULLION	MULL.
MULLION	MULL.	NOT IN CONTRACT	N.I.C.
NUMBER	NO., #	NOT TO SCALE	N.T.S.
OPPOSITE HAND	O.H.	NUMBER	NO., #
ON CENTER	O.C.	OPPOSITE HAND	O.H.
OPENING	OPG.	ON CENTER	O.C.
OUTSIDE DIAMETER/DIMENSION	O.D.	OPENING	OPG.
OVAL HEAD	O.H.	OUTSIDE DIAMETER/DIMENSION	O.D.
OVER (ON)	O/	OVAL HEAD	O.H.
OVERFLOW	OWFL.	OVER (ON)	O/
OVERHAND	OH.	OVERFLOW	OWFL.
PAINT	PAINT.	OVERHAND	OH.
PAIR	PR.	PAINT	PAINT.
PAPER TOWEL DISPENSER	P.T.D.	PAIR	PR.
PLASTIC	PLAS.	PAPER TOWEL DISPENSER	P.T.D.
PLATE	PL.	PLASTIC	PLAS.
PLATED	PLTD.	PLATE	PL.
PLUMBING	PLB.C.	PLATED	PLTD.
PLYWOOD	PLYWD.	PLUMBING	PLB.C.
POINT	PT.	PLYWOOD	PLYWD.
POINT OF CONNECTION	P.O.C.	POINT	PT.
POUND PER SQ. FOOT	LB./SQ. FT.	POINT OF CONNECTION	P.O.C.
POUND PER SQ. INCH	P.S.I.	POUND PER SQ. FOOT	LB./SQ. FT.
QUARTER	QTR.	POUND PER SQ. INCH	P.S.I.
RADIUS	R.	QUARTER	QTR.
RAINWATER LEADER	R.W.L.	RADIUS	R.
RECEPTACLE	RECP.	RAINWATER LEADER	R.W.L.
REFLECTED	REFLD.	RECEPTACLE	RECP.
REFRIGERATOR	REF.	REFLECTED	REFLD.
REFORMING	REFM.	REFRIGERATOR	REF.
REMOVABLE	REMOV.	REFORMING	REFM.
REQUIRED	REQD.	REMOVABLE	REMOV.
RESILIENT	RES.	REQUIRED	REQD.
REVISION	REV.	RESILIENT	RES.
RIGHT HAND	R.H.	REVISION	REV.
ROOF DRAIN	R.D.	RIGHT HAND	R.H.
RUBBER TOPSET BASE	R.T.B.	ROOF DRAIN	R.D.
		RUBBER TOPSET BASE	R.T.B.



- ### GENERAL NOTES
- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS
  - CHANGES MADE TO THE APPROVED DRAWINGS AND SPECS SHALL BE MADE BY ADDENDUM OR CHANGE ORDER, APPROVED BY DSA AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
  - GRADING PLANS, DRAINAGE IMPROVEMENTS, ROADS AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCE
  - CONTRACTOR SHALL PROVIDE ALL TEMPORARY FENCING AS REQUIRED TO PROTECT THE GENERAL PUBLIC, SCHOOL STAFF AND SCHOOL CHILDREN FROM ENTERING AND BECOMING INJURED IN THE AREA OF CONSTRUCTION DURING THE FULL DURATION OF CONSTRUCTION

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T1.01	TITLE SHEET
<b>Architectural</b>	
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A1.02	ENLARGED SITE PLAN
A1.03	SITE DETAILS
A1.04	SITE DETAILS
A2.01	FLOOR PLAN
A3.01	SECTIONS & ELEVATIONS
A4.01	ROOF PLAN
A7.01	EXTERIOR DETAILS
A8.01	INTERIOR DETAILS
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<b>Structural</b>	
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<b>Mechanical / Plumbing</b>	
MP2.01	MECHANICAL PLAN
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<b>Electrical</b>	
E1.00	CODES, SYMBOLS, NOTES
E1.01	SITE ELECTRICAL PLAN
E2.01	ELECTRICAL DEMO & POWER PLANS
E3.01	LIGHTING & FIRE ALARM PLANS
E4.01	SINGLE LINE DIAGRAM & DETAILS
E5.01	FIRE ALARM SINGLE LINE DIAGRAM
E6.01	T-24 COMPLIANCE DOCUMENTATION

BUILDING DATA	
CONSTRUCTION TYPE - VB	OCUPANCY GROUP - A-2
BUILDING AREA:	BASIC ALLOWABLE PER TABLE 503 - 6,000 SQ. FT.
ACTUAL AREA:	6,629 S.F. (E) MULTI-USE / KITCHEN
	797 S.F. (N) KITCHEN ADDITION
	7,426 S.F. TOTAL
AREA INCREASE CALCULATION:	
I = [F/P - .25]W/30 (SECTION 506.2)	I = [793/971 - .25]28/30 = .53
Aa = [A + (A1 x I)] + (A1 x Is) (SECTION 506.1)	Aa = [6000 + (6000 x .53)] + [6000 x 0]
Aa = 6000 + 3180 + 0	Aa = 9180 SQ. FT.
	9,180 SQ. FT. > 7,426 SQ. FT = O.K.
<b>INSPECTOR OF RECORD</b>	
THIS PROJECT REQUIRES A CLASS 2 INSPECTOR. THE INSPECTOR OF RECORD SHALL BE DSA APPROVED AND CONFORM TO THE CLASSIFICATION CRITERIA AS PROVIDED IN INTERPRETATION OF REGULATIONS (IR) A-7, DATED SEPTEMBER 18, 2007.	
THE INSPECTOR SHALL BE EMPLOYED BY THE DISTRICT AND APPROVED BY THE RESPONSIBLE ARCHITECT.	
<b>APPLICABLE CODES:</b>	
COMPLY WITH PART 1, TITLE 24, 2010 CCR. A COPY OF TITLE 24 SHALL BE ON SITE AT ALL TIMES. CONSTRUCTION SHALL COMPLY WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:	
TITLE 24, CCR, PART 2, 2010 CBC (2009 IBC, WITH CALIFORNIA AMENDMENTS).	
TITLE 24, CCR, PART 3, 2010 CEC (2008 NEC, WITH CALIFORNIA AMENDMENTS).	
TITLE 24, CCR, PART 4, 2010 CMC (2009 UMC, WITH CALIFORNIA AMENDMENTS).	
TITLE 24, CCR, PART 5, 2010 CPC (2009 UPC, WITH CALIFORNIA AMENDMENTS).	
TITLE 24, CCR, PART 6, 2010 CEC	
TITLE 24, CCR, PART 9, 2010 CFC (2009 IFC, WITH CALIFORNIA AMENDMENTS).	
TITLE 19, CCR.	
NFPA 72, 2010 EDITION (AS PER CA AMENDMENTS)	
CFC CHAPTER 14 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION	

### ARCHITECT'S STATEMENT

**ARCHITECT'S STATEMENT FOR PLANS PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS**

THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED IN THE SHEET INDEX AND CHECKED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DOCUMENTS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS CHECKED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK)

SEE THE SHEET INDEX ON THIS SHEET FOR DRAWINGS OTHER THAN ARCHITECTURAL.

APPLICABLE:  STRUCTURAL  PLUMBING  MECHANICAL  ELECTRICAL

Signature: *[Signature]* DATE: 7/31/12  
CURTIS FLYNN, ARCHITECT, INTEGRATED DESIGNS BY SOMAM, INC.

C-28966 LICENSED NUMBER 05-31-13 EXPIRATION DATE

### SYMBOLS

**SECTION KEY**  
SECTION IDENTIFICATION SHEET NUMBER

**DETAIL KEY**  
DETAIL NUMBER SHEET NUMBER

**INTERIOR ELEVATION KEY**  
ELEVATION DIRECTION  
ELEVATION IDENTIFICATION SHEET NUMBER

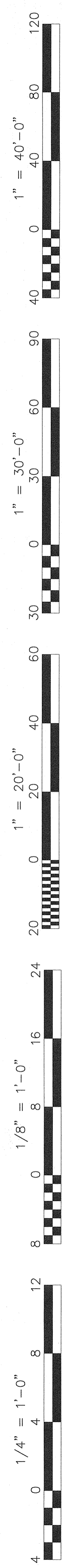
**ELEVATION DATUM**  
INDICATES HEIGHT IN RELATION TO 0'-0"

**ROOM NUMBER / FINISH TAG**  
OFFICE 100  
ROOM NAME  
ROOM NUMBER

**WINDOW SCHEDULE KEY**

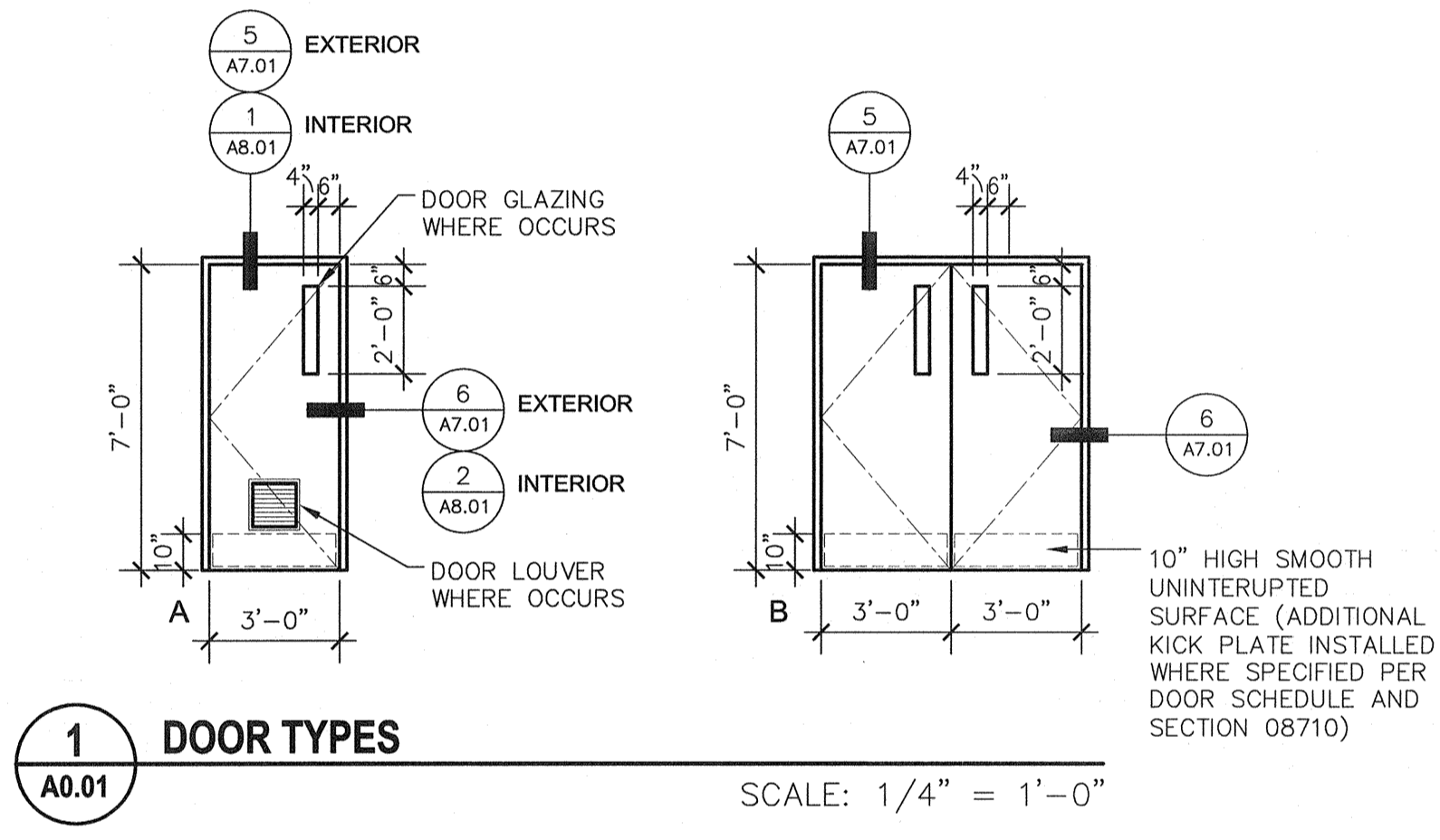
**KEYNOTE SCHEDULE KEY**

**DOOR SCHEDULE KEY**



DOOR SCHEDULE																			
DOOR NO.	TYPE NO	DOOR OPENING SIZE	DOOR				FRAME		GLASS SIZE	LOUVER SIZE	UL RAT'G	HARDWARE NO.	DETAILS			SIGNAGE		REMARKS	
			THK	MAT	CORE	FIN.	MAT	FIN					HEAD	JAMB	THRESHOLD	PULL	PUSH		
1	A	3'-0"x7'-0"	1 3/4"	HM	INSUL	P55C	HM	P55C	4"x24"	--	--	1	5 / A7.01	6 / A7.01	2 / A7.01	SEE PLANS	SEE PLANS	PANIC HARDWARE	
2	A	3'-0"x7'-0"	1 3/4"	HM	INSUL	P55C	HM	P55C	4"x24"	--	60MIN.	4	1 / A8.01	2 / A8.01	7 / A7.01	SEE PLANS	SEE PLANS	PANIC HARDWARE	
3	A	3'-0"x7'-0"	1 3/4"	HM	INSUL	P55C	HM	P55C	4"x24"	--	--	2	1 / A8.01	2 / A8.01	7 / A7.01	SEE PLANS	SEE PLANS		
4	B	PR. 3'-0"x7'-0"	1 3/4"	HM	INSUL	P55C	HM	P55C	4"x24"	--	--	5	5 / A7.01	6 / A7.01	2 / A7.01	SEE PLANS	SEE PLANS		
5	A	3'-0"x7'-0"	1 3/4"	HM	INSUL	P55C	HM	P55C	4"x24"	--	--	2	1 / A8.01	2 / A8.01	-	SEE PLANS	SEE PLANS		
6	A	3'-0"x7'-0"	1 3/4"	HM	INSUL	P55C	HM	P55C	--	12"x12"	--	3	1 / A8.01	2 / A8.01	-	SEE PLANS	SEE PLANS	UNDER CUT DOOR 1"	
7	A	3'-0"x7'-0"	1 3/4"	HM	INSUL	P55C	HM	P55C	--	--	--	4	1 / A8.01	2 / A8.01	7 / A7.01	SEE PLANS	SEE PLANS	PANIC HARDWARE @ PUSH SIDE & PROVIDE SMOOTH PLATE @ PULL SIDE TO ALLOW ONE WAY OPERATION. (EXIT ONLY)	

MATERIAL AND INTERIOR FINISH SCHEDULE																					
ROOM NO.	ROOM NAME	FLOOR		BASE		WAINSCOT			WALLS								CEILING			REMARKS	
		MAT	FIN	MAT	FIN	HT	MAT	FIN	HT	NORTH		EAST		SOUTH		WEST		CEILING			
										MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN		HT
001	VESTIBULE	VCT	FF	RTB	FF	4"	--	--	--	GB	P	GB	P	GB	P	GB	P	GB	P	8'-0"	
002	REFRIGERATOR / FREEZER	CONC.	SEAL	--	--	--	--	--	--	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	PER MANUF.
003	HALL	VCT	FF	RTB	FF	4"	--	--	--	GB	P	GB	P	GB	P	GB	P	GB	P	8'-0"	
004	STORAGE	VCT	FF	RTB	FF	4"	--	--	--	GB	P	GB	P	GB	P	GB	P	GB	P	8'-0"	
005	TOILET	SVC	FF	SVC	FF	6"	FRP	FF	48"	GB	P	GB	P	GB	P	GB	P	GB	P	8'-0"	



**1** DOOR TYPES  
A0.01 SCALE: 1/4" = 1'-0"

### GENERAL NOTES

- ALL FLOOR PLAN ROOM NAMES AND NUMBERS ARE FOR CONSTRUCTION INFORMATION ONLY. THE CONTRACTOR SHALL COORDINATE ACTUAL ROOM NAMES & NUMBERS WITH THE OWNER AND ARCHITECT PRIOR TO ORDERING ANY ROOM SIGNAGE.
- PROVIDE ROOM IDENTIFICATION SIGNAGE AT EVERY ROOM ENTRANCE.
- PROVIDE A TACTILE EXIT SIGN AT EVERY BUILDING EXIT.
- PROVIDE A BUILDING NAME AND INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) AT THE PRIMARY BUILDING ENTRANCE.
- ALL DOOR HARDWARE TO BE MOUNTED @ CENTER LINE OF 34" ABOVE FINISH FLOOR.
- PROVIDE ADA COMPLIANT LEVER HARDWARE AT ALL DOORS NOT PROVIDED WITH PANIC HARDWARE. SEE HARDWARE SPECS SECTION 08710
- PROVIDE ADA COMPLIANT SIGNAGE AT RESTROOMS PER DETAIL 6/A8.01
- PROVIDE 10" HIGH ADA COMPLIANT KICKPLATE ON PUSH SIDE OF ALL DOORS. SEE 1/A0.01 DOOR TYPES
- PROVIDE DOOR CLOSERS ON DOORS AS SPECIFIED PER SPEC. SECTION 08710

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ARCHITECTURE - ENGINEERING - INTERIOR DESIGN - CONSTRUCTION MANAGEMENT  
6011 N. Fremo, Suite 130 - Fremo, California 93710  
Phone (559) 436-0881 Fax (559) 436-0887 E-Mail: design@somam.com  
www.integrateddesigns.com

Rev. Date:	Revision:

**SCHEDULES**

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA.

Sheet Title: SCHEDULES

Issue Date: 07/20/12  
Date: 07/31/12  
Designer: [Signature]  
DR: [Signature]  
FC: CJM

### ABBREVIATIONS

- DOOR AND WINDOW SCHEDULES:**
- PR = PAIR
  - HM = HOLLOW METAL
  - ALUM. = ALUMINUM
  - INSUL = INSULATED CORE
  - P = PRIME & PAINT
  - WD = WOOD
  - SC = SOLID CORE
  - FF = FACTORY FINISH
  - DUAL = DUAL PANE GLAZING
  - T.O.W. = TOP OF WINDOW
  - SIN. = SINGLE
- MATERIAL AND FINISH SCHEDULE:**
- VCT - RESILIENT TILE FLOORING
  - SY - SHEET RESILIENT FLOORING
  - CT - CERAMIC TILE CONC. - CONCRETE
  - RTB - RUBBER TOP BASE
  - GB - GYPSUM BOARD
  - FRP - FIBER REINFORCED POLYESTER PANELS
  - ACT - ACOUSTICAL CEILING TILE
  - SVC - SHEET VINYL COVE
  - FF - FACTORY FINISH SEAL - SEALER
  - MDF - MEDIUM DENSITY FIBER BOARD.
  - P - PRIME AND PAINT
  - PLY - PLYWOOD
  - TB - VINYL COVERED TACKBOARD

FILE # 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

03-114521

DATE 8/1/12

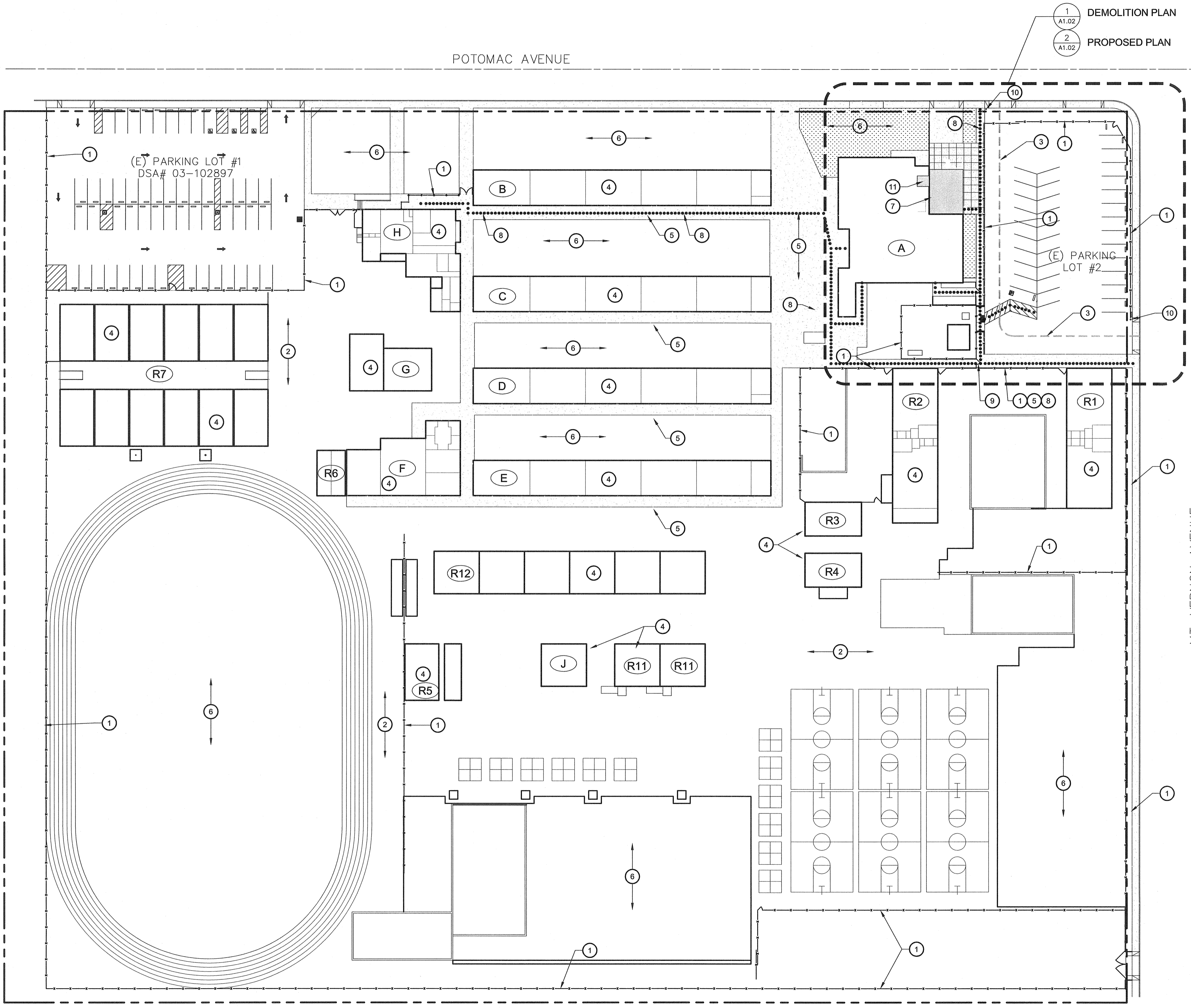
TRACKING #: 63321-118

Stamp(s):

Job No.: **3990**

Sheet No.: **A0.01**

Release: -



**SITE PLAN**  
**KITCHEN ADDITION**

SCALE: 1" = 40'

BUILDING KEY		
#	DSA APPLICATION	BLDG USE
(A)	19177	MULTI-USE, CAFETERIA, KITCHEN
(B)	3252	5 CLASSROOMS TOILET
(C)	3252	5 CLASSROOMS TOILET
(D)	5616	5 CLASSROOMS TOILET
(E)	5616 / 39113	5 CLASSROOMS TOILET
(F)	5616	4 MUSIC CLASSROOMS
(G)	28584	COUN / ACAD / COACH
(H)	3252 / 32802	ADMINISTRATION
(R1)	32682	2 KINDERGARTEN CLASSROOMS
(R2)	27729 / 30116	2 KINDERGARTEN CLASSROOMS
(R3)	NON- CONFORM.	CPU LAB
(R4)	NON- CONFORM.	IMC
(R5)	NON- CONFORM.	KINDERGARTEN MAGNET
(R6)	30420	RELO TOILETS
(R7)	03-102897	12 RELO CLASSROOMS
(R11)	54429	2 RELO. CLASSROOMS
(R12)	30402	6 RELO. CLASSROOMS
(J)	03-102897	TOILETS

- ### KEY NOTES
- (E) CHAIN LINK FENCE AND GATE TO REMAIN
  - (E) AC PAVING TO REMAIN
  - (E) FIRE TRUCK ACCESS LANE
  - (E) BUILDING TO REMAIN (NO WORK)
  - (E) CONCRETE WALK TO REMAIN (NO WORK)
  - (E) TURF AND IRRIGATION TO REMAIN
  - AREA OF NEW CONSTRUCTION, SEE SHEET A1.02 FOR ADDITIONAL INFORMATION
  - ACCESSIBLE PATH OF TRAVEL. SEE ACCESSIBILITY NOTES BELOW
  - REMOVE (E) GATE AND PROVIDE (N) 48" WIDE CHAIN LINK GATE W/ PANIC HARDWARE PER DETAIL 3/A1.04
  - (N) SITE ENTRANCE SIGN PER DETAIL 3/A1.03
  - (E) STAFF RESTROOM TO BE MODERNIZED. SEE A2.01 FOR ADDITIONAL INFORMATION

- ### ACCESSIBILITY NOTES
- ARCHITECT HAS INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER-FREE ACCESSIBLE ROUTE:
- AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE
  - FREE OF ABRUPT LEVEL CHANGES EXCEEDING 3/4" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 3/4"
  - WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE
  - WITH A RUNNING SLOPE OF 1:20 IR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:50 OR LESS
  - IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE
  - IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE

### LOCAL FIRE AUTHORITY REVIEW

Local Fire Authority (LFA) to mark each item (Yes, No or Not Applicable) and sign below. Additional information may be noted in the comment section below.

Yes	No	N/A	Access Roads, Fire Hydrants and Wildland-Urban Interface
			Access roads and gate entrances are in accordance with Title 19, California Code of Regulations Div. 1, Chap. 1, Sub Chap. 1, Article 3 3.04 (Access Roads) and 3.16 & 2007 CFC 252.50.5.1 (Gate Entrances) for school sites.
			Fire flow, fire hydrant location and distribution are in accordance with 2007 California Fire Code, 506.3 & Appendix B8 (Fire Flow) and Appendix CC (Hydrant Locations)
			Fire hydrant type meets LFA or local water purveyor's make and model requirements.
			Project is in a Wildland-Urban Interface (WUI) Fire Area (2007 CFC Ch. 7A).
			Automatic Fire Sprinkler Systems
			The location(s) of the proposed post indicator valve (PIV) and fire department connection (FDC) meets the requirements of the jurisdiction at this time.
			The location(s) of the detector check valve assembly (DCVA) backflow preventer meets the requirements of the jurisdiction at this time.
			The fire pump assembly and/or water tank(s) meets the requirements of the jurisdiction at this time.
			Elevators
			Elevators that do not have cable sized per 2007 CFC Code requirements have identified and the LFA approves the use of stairways for emergency rescue and patient transport.

Project Name: MT. VERNON ELEMENTARY SCHOOL DSA App# 03-114521  
 Project Location: 2161 POTOMAC AVENUE BAKERSFIELD CA  
 Local Fire Authority: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approval Signature: \_\_\_\_\_  
 Name and Title: \_\_\_\_\_  
 Comments: \_\_\_\_\_

### PARKING CALCULATION

<b>EXISTING PARKING LOT #1 (03-102897)</b>
TOTAL STALLS PROVIDED - 57 STALLS
ACCESSIBLE STALLS REQUIRED - 3 (1 VAN STALL)
ACCESSIBLE STALLS PROVIDED - 3 (1 VAN STALL)
<b>EXISTING PARKING LOT #2</b>
TOTAL STALLS PROVIDED - 34 STALLS
ACCESSIBLE STALLS REQUIRED - 2 (1 VAN STALL)
ACCESSIBLE STALLS PROVIDED - 2 (1 VAN STALL)

- ### LEGEND
- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
  - INDICATES AREA OF NEW KITCHEN ADDITION
  - ACCESSIBLE PATH OF TRAVEL, SEE ACCESSIBILITY NOTES ABOVE.
  - (E) FIRE TRUCK ACCESS LANE TO REMAIN

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 Rev. Description: \_\_\_\_\_

**SITE PLAN**

**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA

Sheet Title: \_\_\_\_\_  
 Issue Date: 07/20/12  
 Date: 07/30/12  
 Designer: \_\_\_\_\_  
 DR: \_\_\_\_\_  
 PC: CJM

FILE # 15-6  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 03-114521  
 DATE: 8/11/12  
 TRACKING #: 63321-118

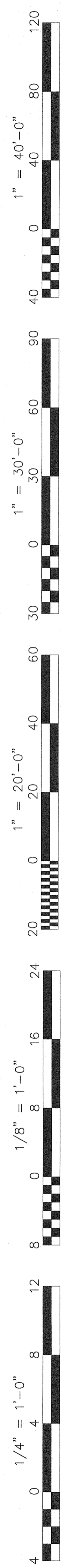
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Job No.: **3990**

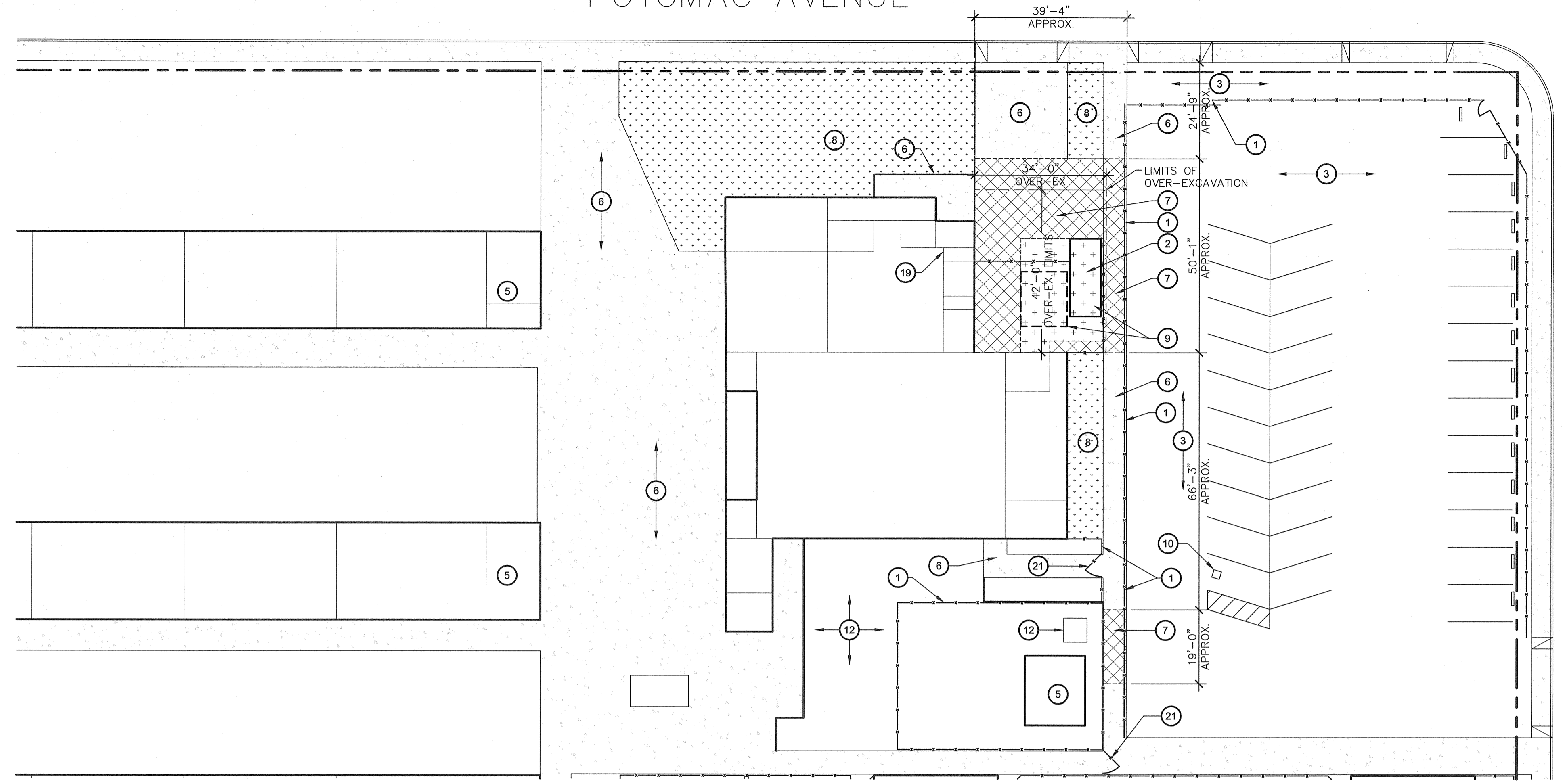
Sheet No.: **A1.01**

Release: -

G:\2011\frs11-3990\Sheets\3990-A101.dwg CURTIS MCNALLY



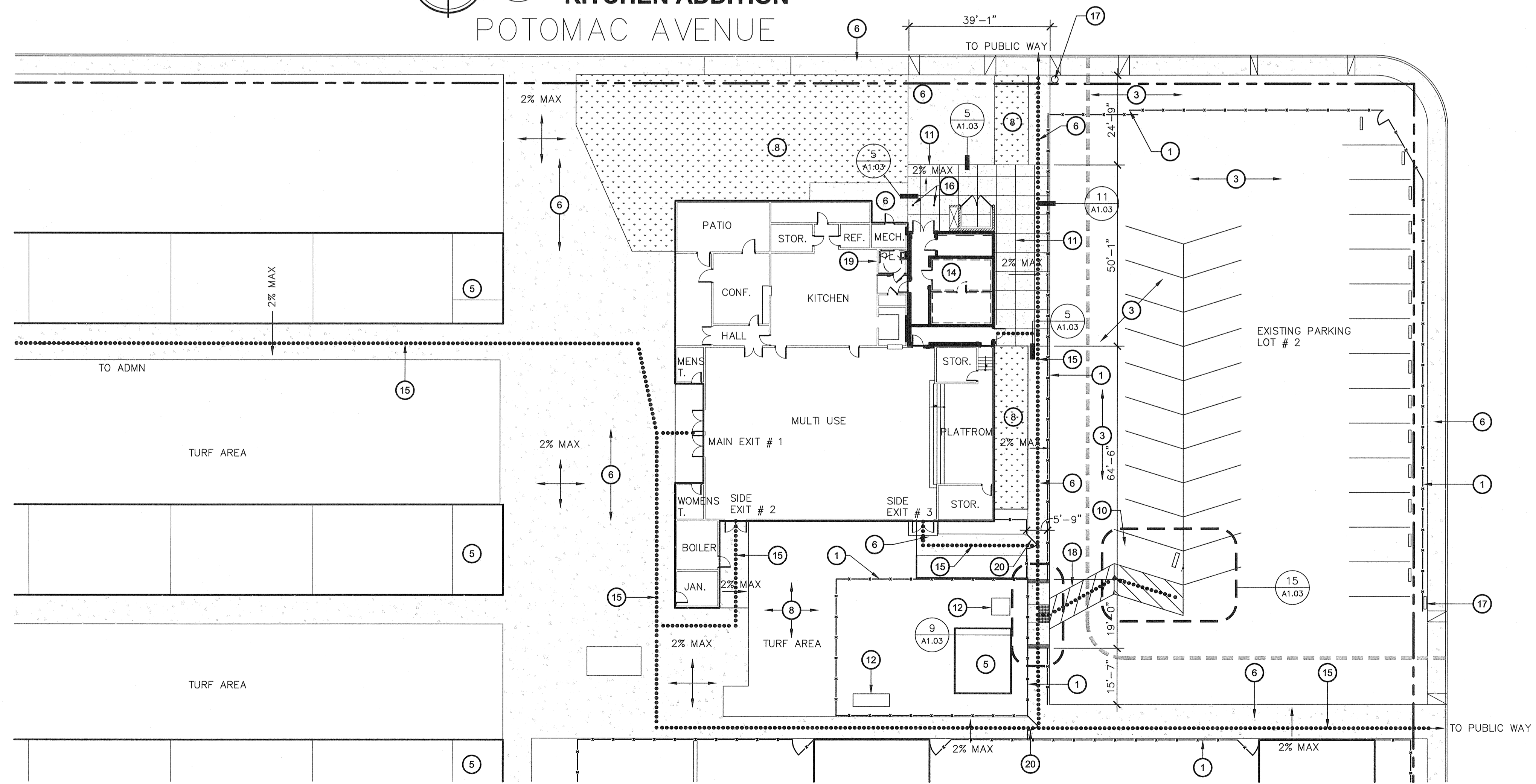
POTOMAC AVENUE



**1**  
A1.02  
**DEMOLITION ENLARGED SITE PLAN**  
KITCHEN ADDITION

SCALE: 1" = 20'

POTOMAC AVENUE



**2**  
A1.02  
**PROPOSED ENLARGED SITE PLAN**  
KITCHEN ADDITION

SCALE: 1" = 20'

**KEY NOTES**

1. (E) CHAIN LINK FENCE AND GATE TO REMAIN
2. (E) AC PAVING TO BE SAW CUT AND REMOVED
3. (E) AC PAVING TO REMAIN (NO WORK)
4. (E) FIRE TRUCK ACCESS LANE
5. (E) BUILDING TO REMAIN (NO WORK)
6. (E) CONCRETE WALK TO REMAIN (NO WORK)
7. (E) CONCRETE WALK TO BE SAWCUT AND REMOVED
8. (E) LANDSCAPE AND IRRIGATION TO REMAIN
9. (E) COOLING UNIT AND STORAGE CONTAINER TO BE REMOVED FROM SITE BY OWNER
10. (E) PARKING STALLS TO BE MODIFIED PER 15/A1.03
11. (N) CONCRETE WALK, SEE DETAIL 6/A1.03
12. (E) ELECTRICAL EQUIPMENT TO REMAIN, SEE ELECTRICAL DRAWINGS AND SPECS FOR ANY ADDITIONAL WORK
13. LIMITS OF OVER-EXCAVATION AND RECOMPACTION, SEE DETAIL 6/A1.03
14. PROPOSED KITCHEN ADDITION, SEE SHEET A2.01 FOR ADDITIONAL INFORMATION
15. PATH OF TRAVEL
16. (N) STEEL PIPE BOLLARDS, SEE DETAIL 16/A1.03
17. (N) TOW AWAY SIGN PER DETAIL 3/A1.03
18. (N) 4" WIDE STRIPING.
19. MODIFY (E) STAFF TOILET TO BE ADA COMPLIANT.
20. (N) ACCESSIBLE GATE PER DETAIL 3/A1.04
21. REMOVE (E) GATE. SEE 2/A1.02 FOR (N) WORK

**EXIT ANALYSIS**

AREA:	
MULTI-PURPOSE PLATFORM	: 3072 SF
	: 448 SF
OCCUPANT LOAD	
MULTI-PURPOSE PLATFORM	3072 ÷ 7 = 439
	448 ÷ 15 = 30
TOTAL	= 469
LESS THAN 500 2 EXITS REQUIRED	
THREE EXITS PROVIDED	
MAIN EXIT	
469 x .5 = 234.5	
234.5 x 2 = 46.9' REQUIRED	
EXISTING / PROVIDED = 144"	
SIDE EXIT (EACH)	
469 x .25 = 117.25	
117.25 x 2 = 23.45' REQUIRED	
EXISTING PROVIDED : 72"	

**ACCESSIBILITY NOTES**

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  - FREE OF ABRUPT LEVEL CHANGES EXCEEDING 1/4" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 3/4"
  - WITH A FIRM, STABLE, AND SLIP RESISTANT SURFACE
  - WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:50 OR LESS
  - IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE
  - IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE

**LEGEND**

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES EXISTING AC-PAVING TO BE REMOVED
- INDICATES EXISTING CONCRETE TO BE REMOVED
- INDICATES EXISTING LANDSCAPE AND IRRIGATION TO REMAIN
- INDICATES NEW CONCRETE WALK
- INDICATES EXISTING CONCRETE WALK TO REMAIN (NO WORK)
- PATH OF TRAVEL, SEE ACCESSIBILITY NOTES ABOVE
- (E) FIRE TRUCK ACCESS LANE TO REMAIN

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Phone (559) 435-0881 Fax (559) 435-0887 E-Mail: design@somam.com  
www.integrateddesigns.com

Rev. No.	Date	Description

**ENLARGED SITE PLAN**

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL**  
**KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA.

Issue Date: 07/20/12  
Date: 07/31/12  
Designer: [Signature]  
DR: [Signature]  
PC: C/M

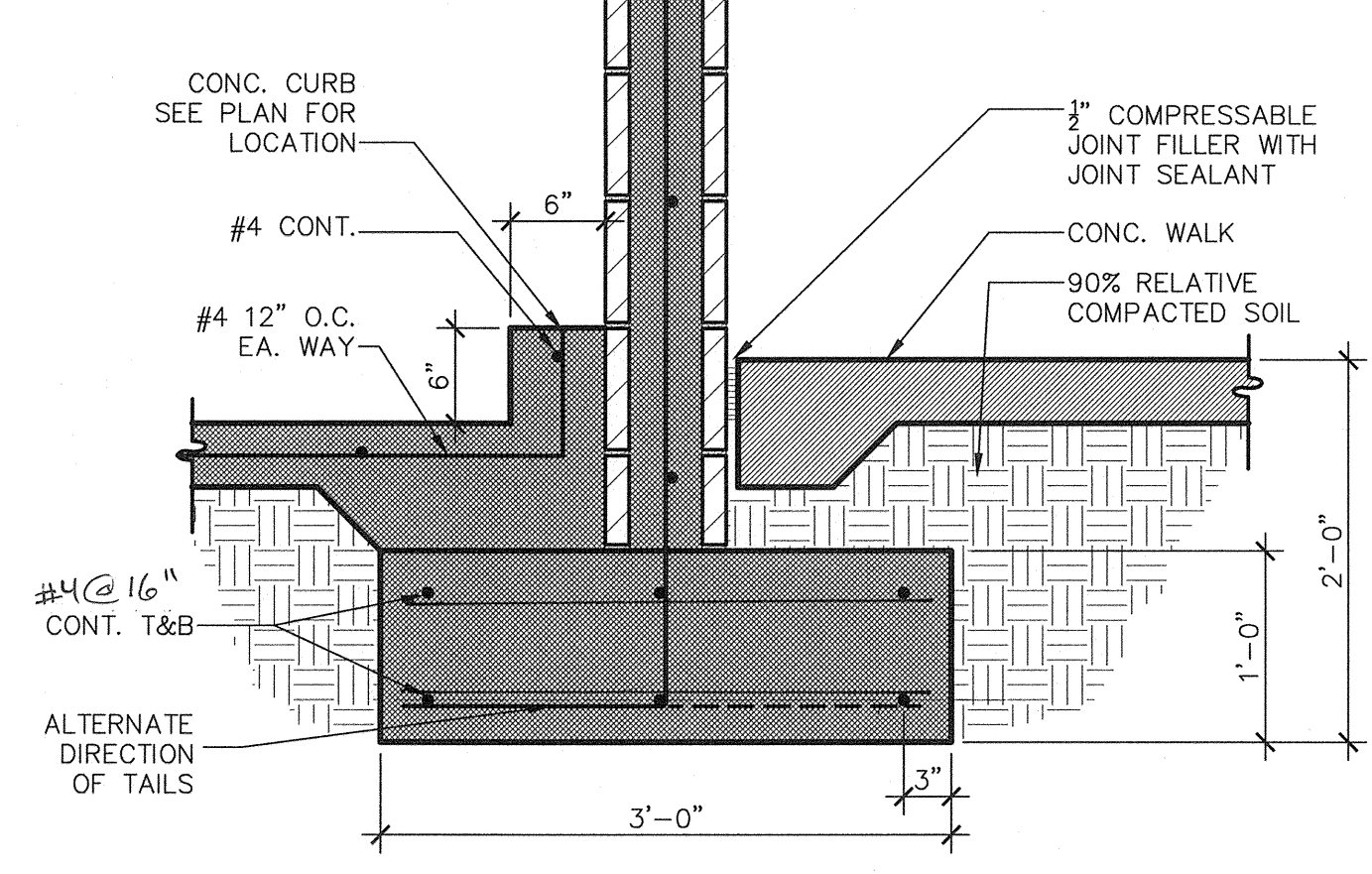
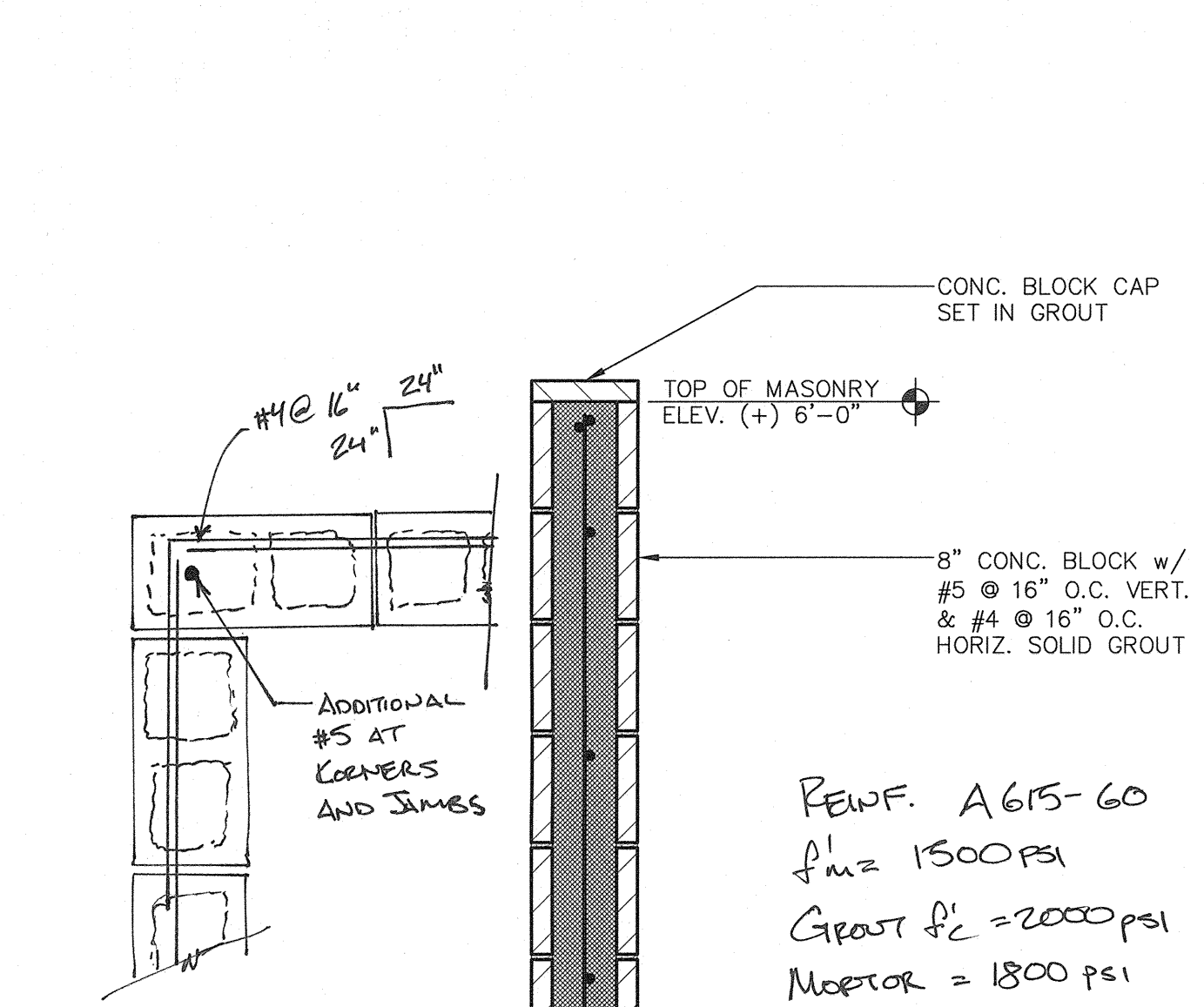
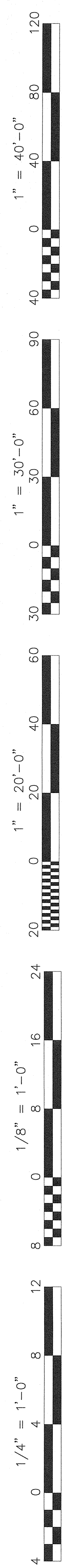
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FILE # 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
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03-114521  
AC: [Signature]  
DATE: 8/1/12  
TRACKING #: 63321-118

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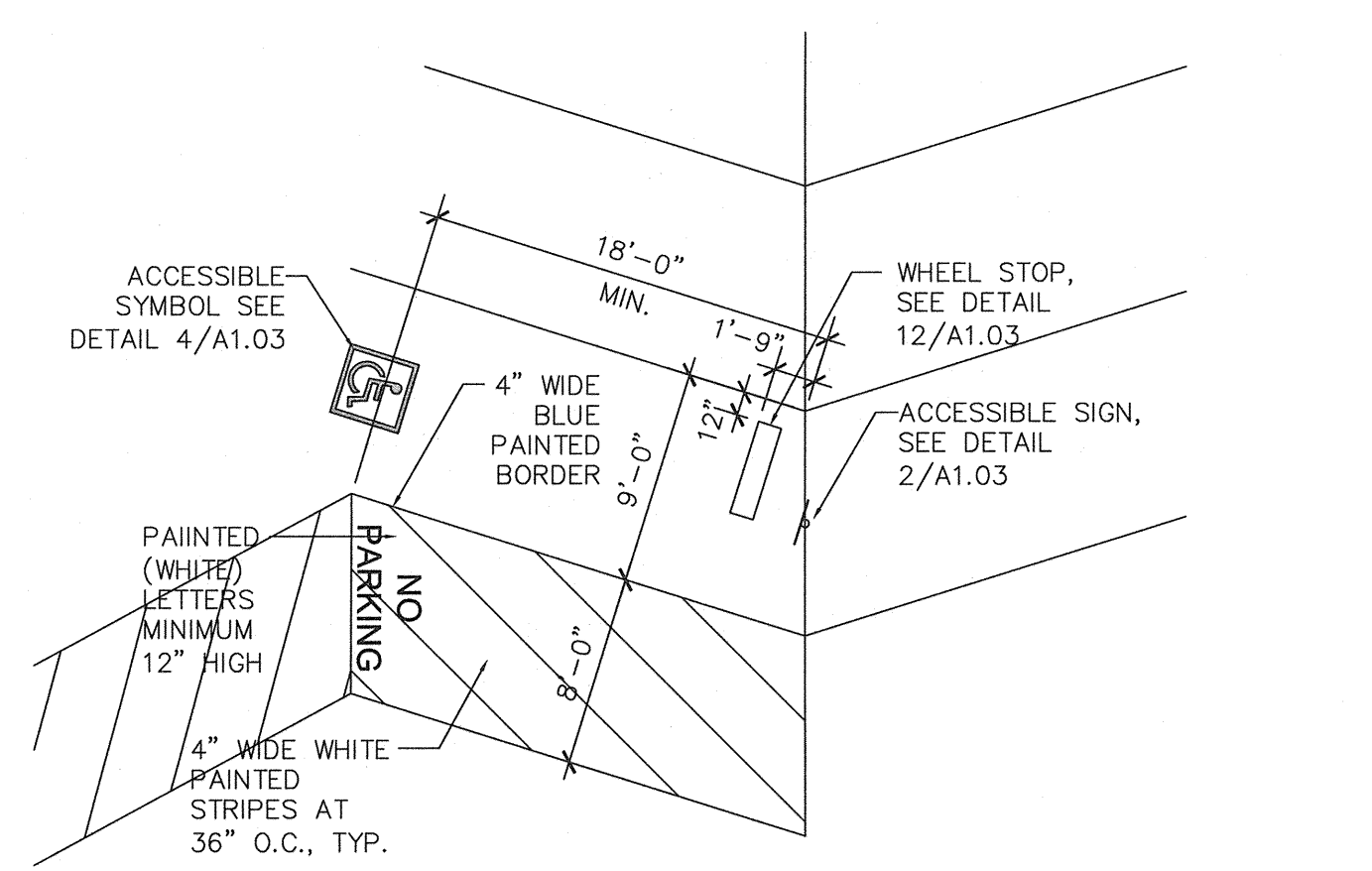
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Sheet No.: **A1.02**

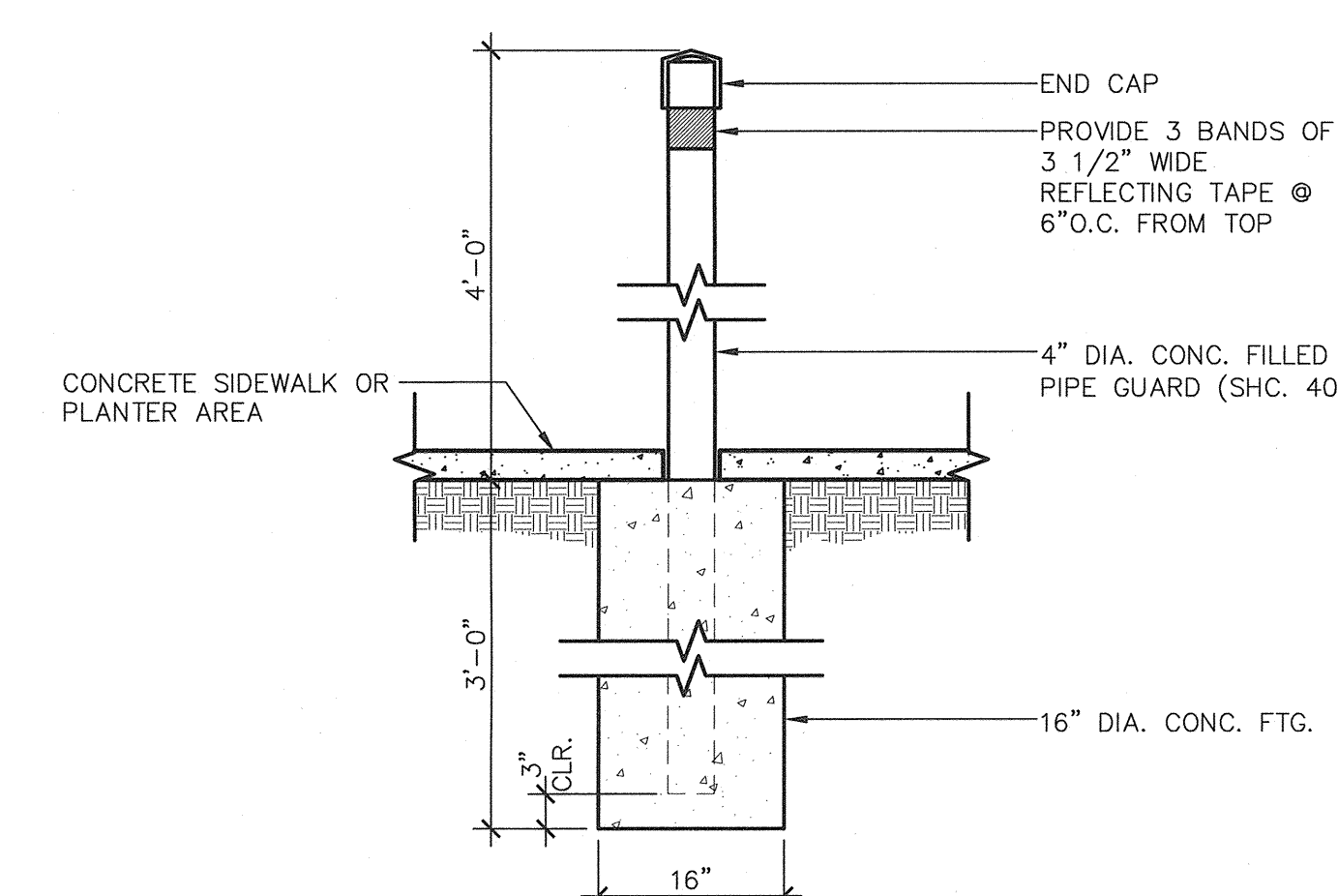
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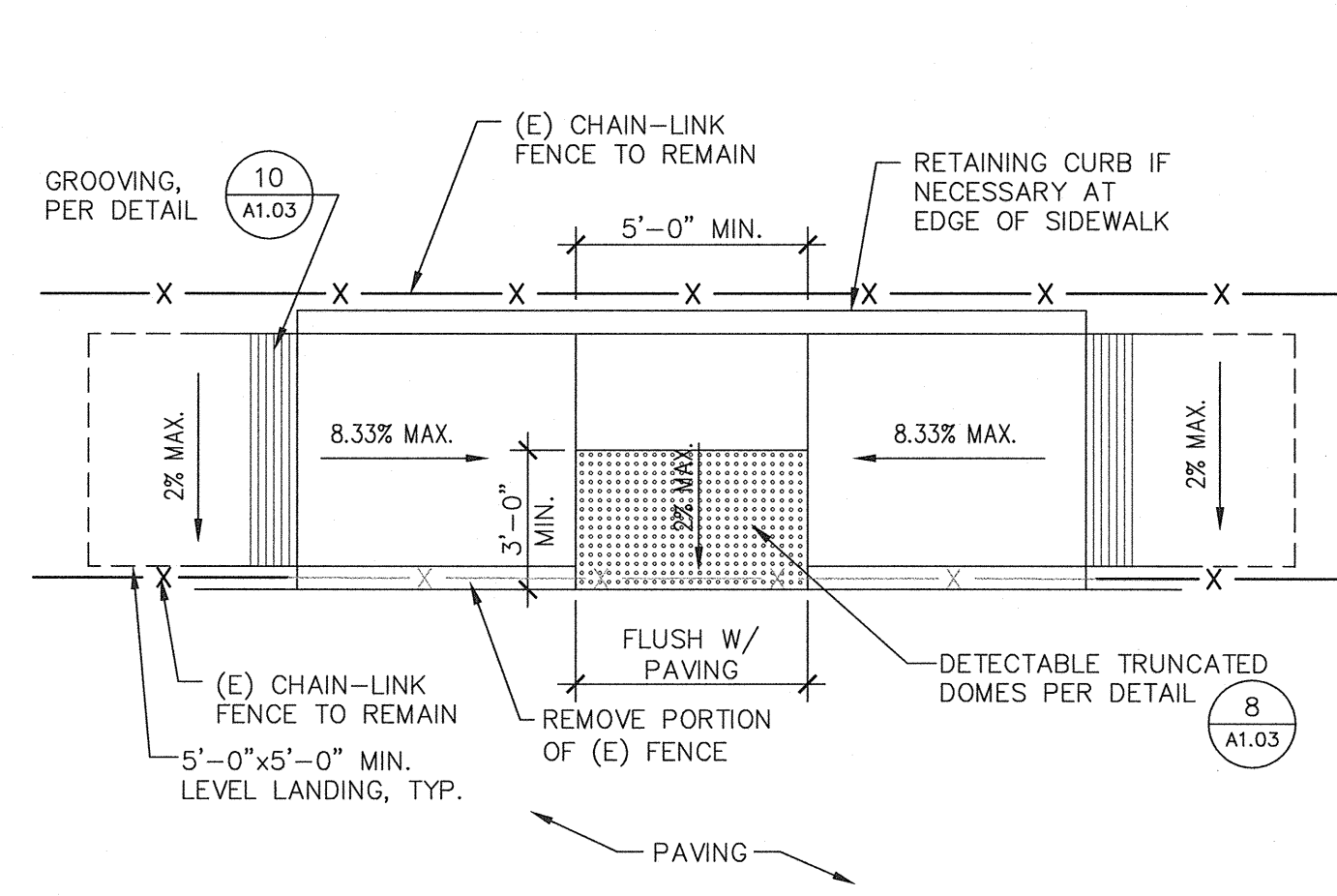
**14 WALL SECTION**  
A1.03 ADW110-01 SCALE: 1" = 1'-0"



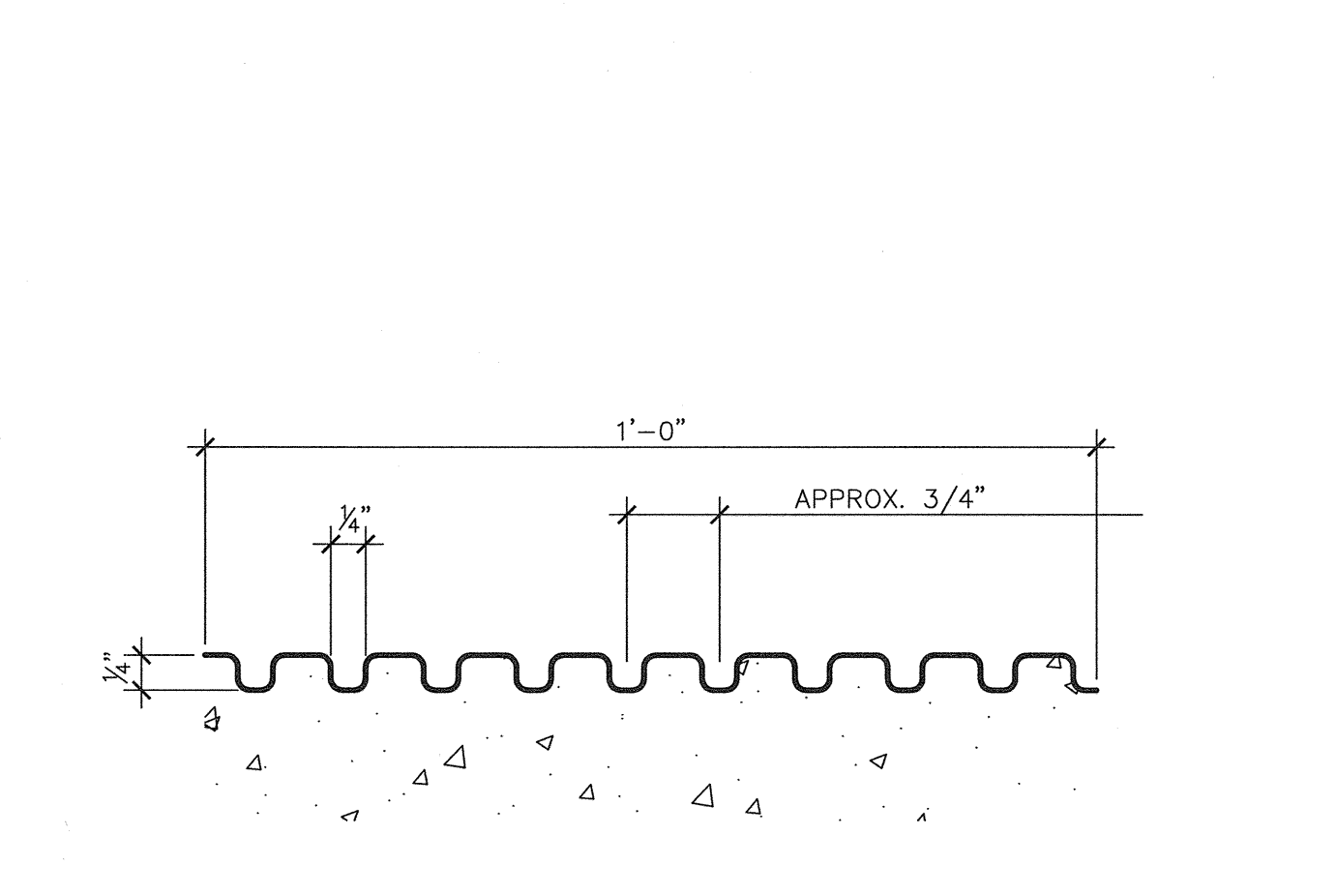
**15 ACCESSIBLE PARKING**  
A1.03 SCALE: 1/8" = 1'-0"



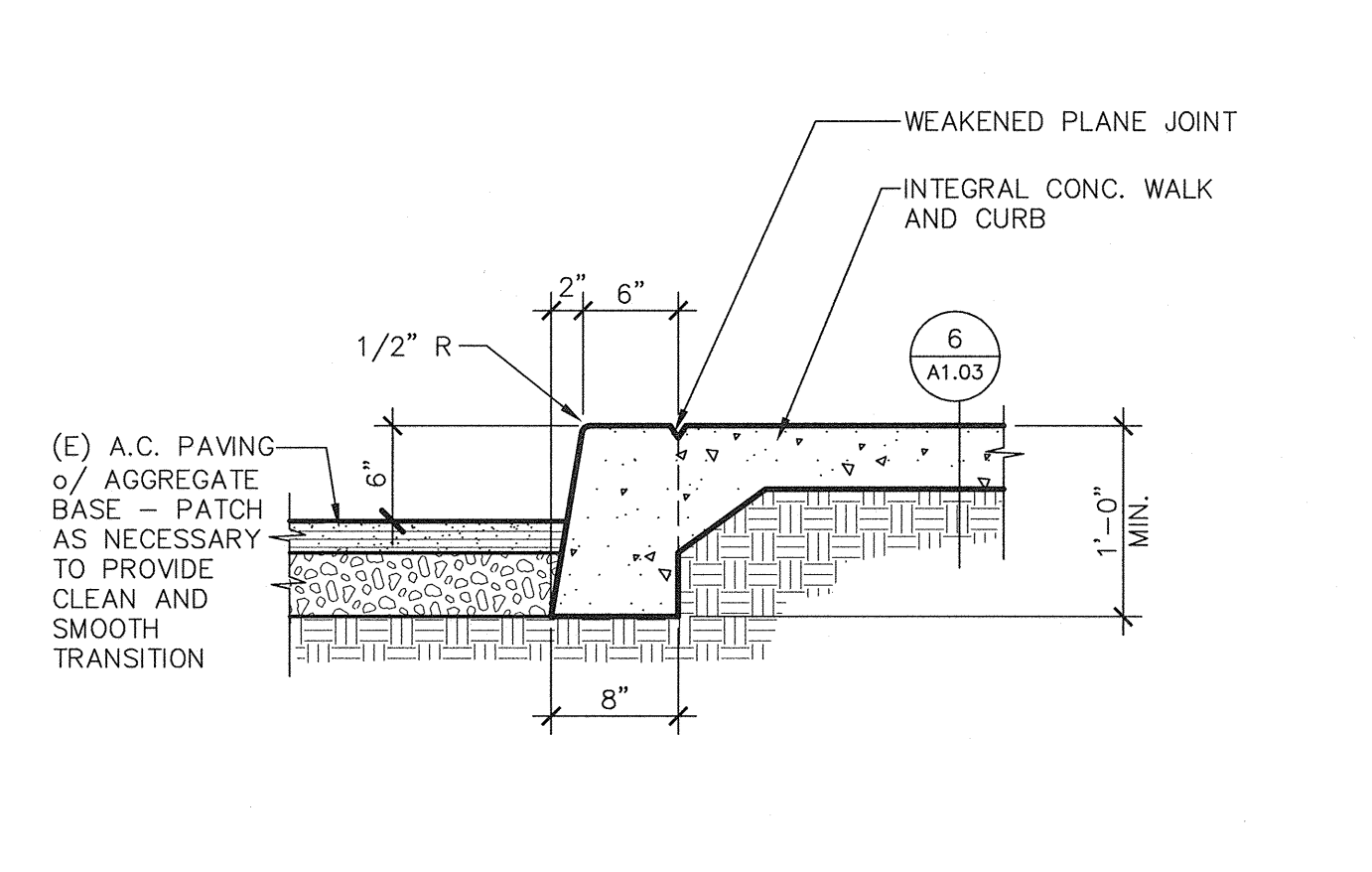
**16 CONC. FILLED PIPE BOLLARD**  
A1.03 ADS100-28 SCALE: 3/4" = 1'-0"



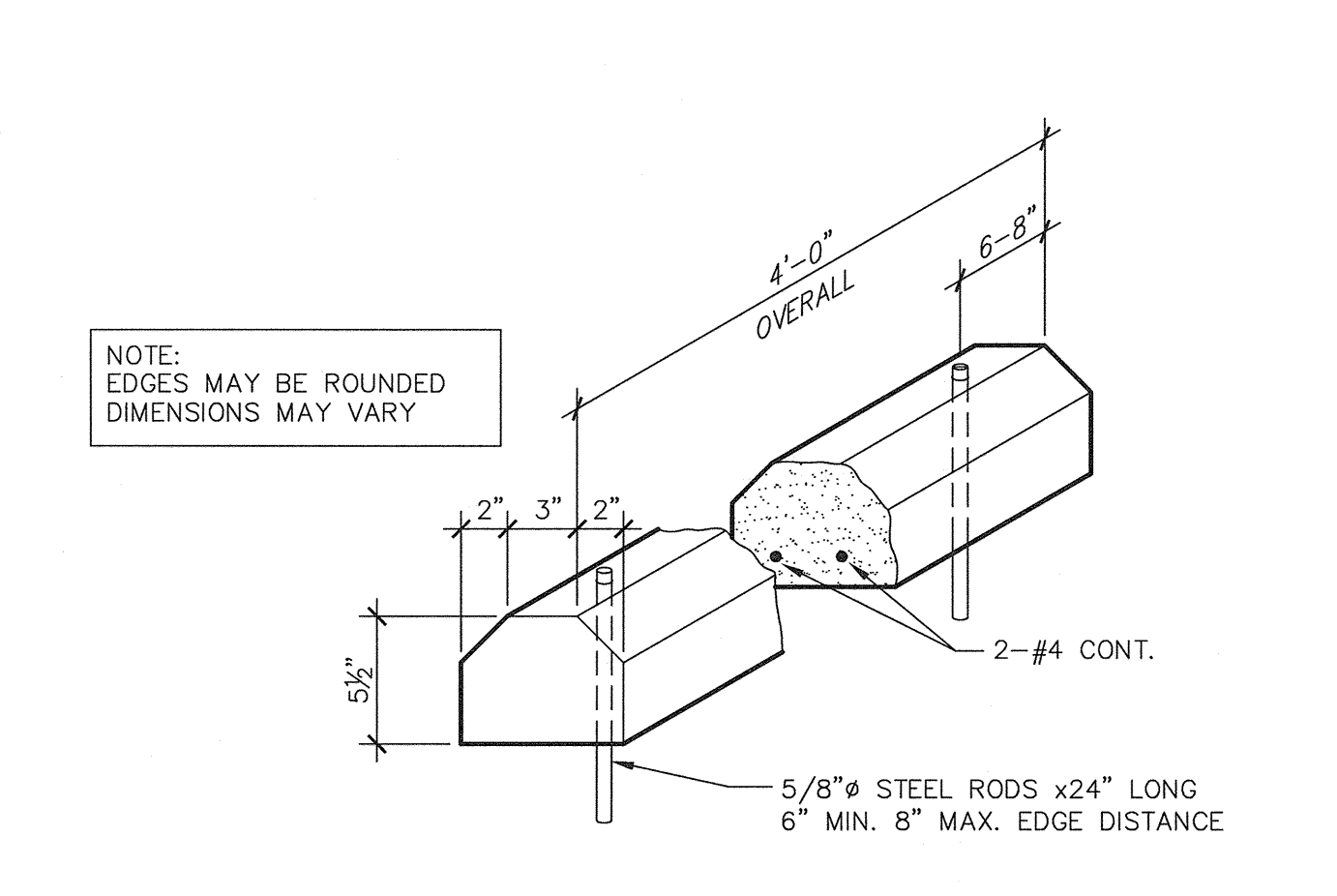
**9 ACCESSIBLE RAMPED SIDEWALK**  
A1.03 ADA100-19 SCALE: 1/4" = 1'-0"



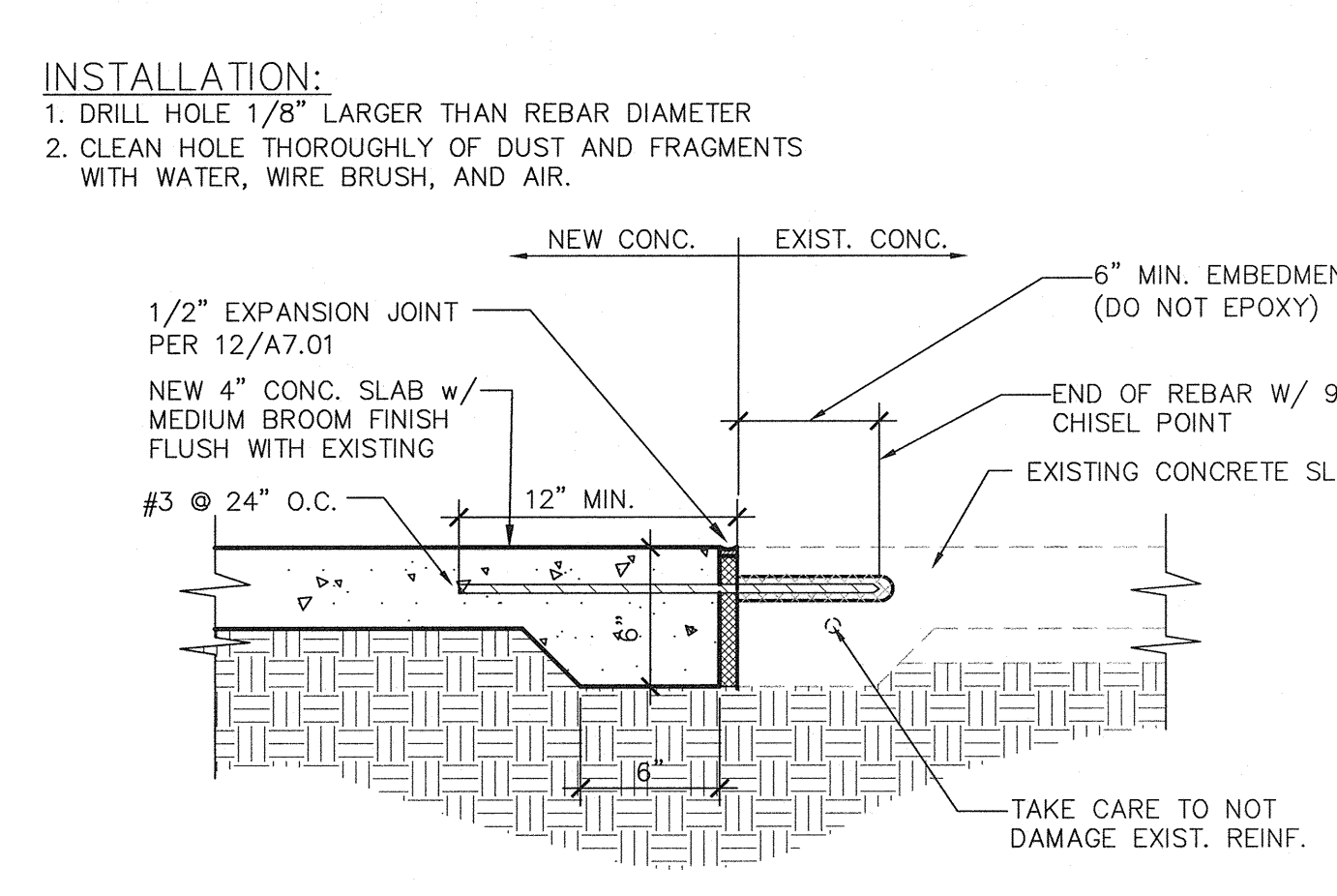
**10 GROOVING DETAIL @ ACCESSIBLE CURB RAMP**  
A1.03 ADA100-22 N.T.S.



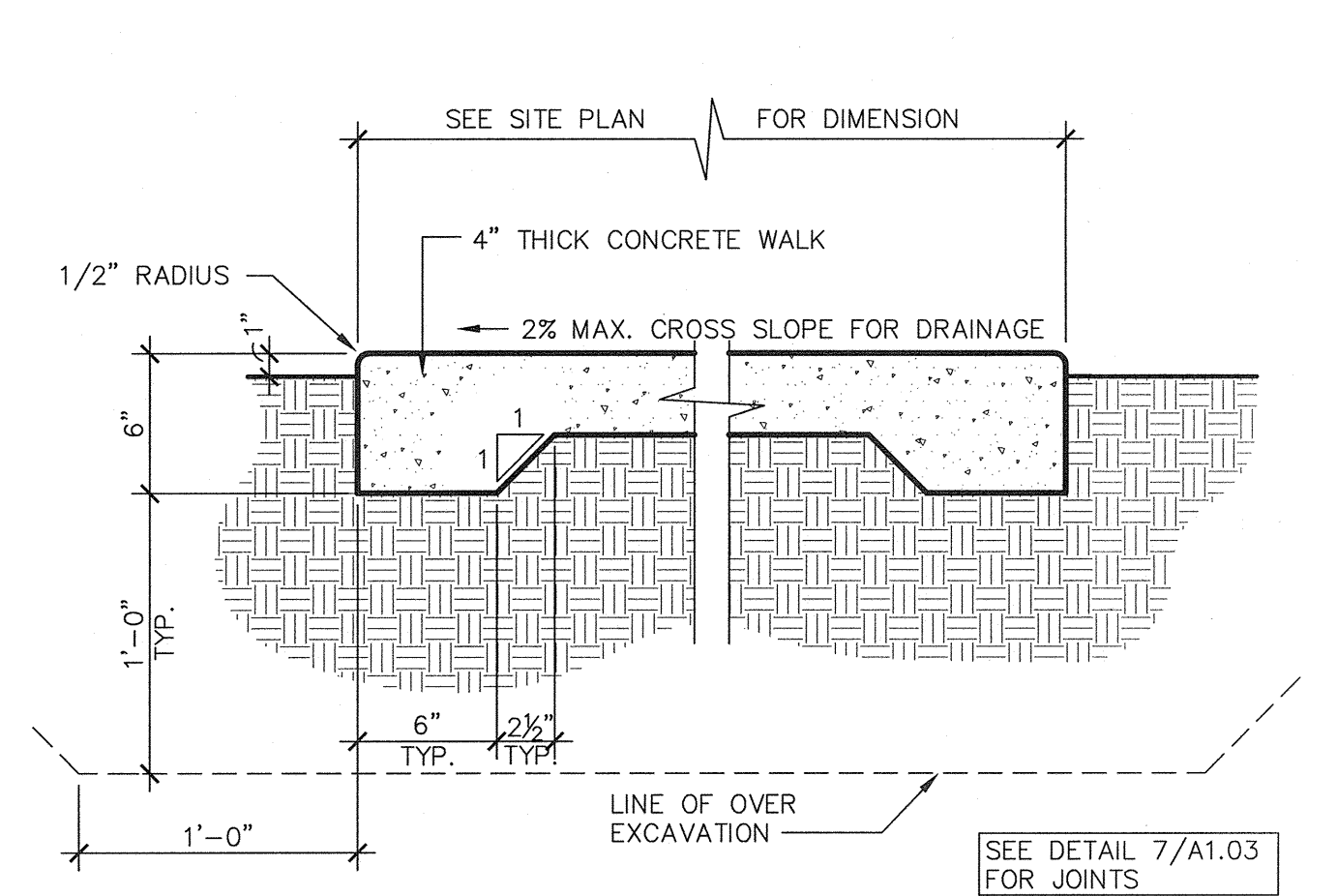
**11 CONCRETE CURB AT PAVING**  
A1.03 ADS100-01 SCALE: 1" = 1'-0"



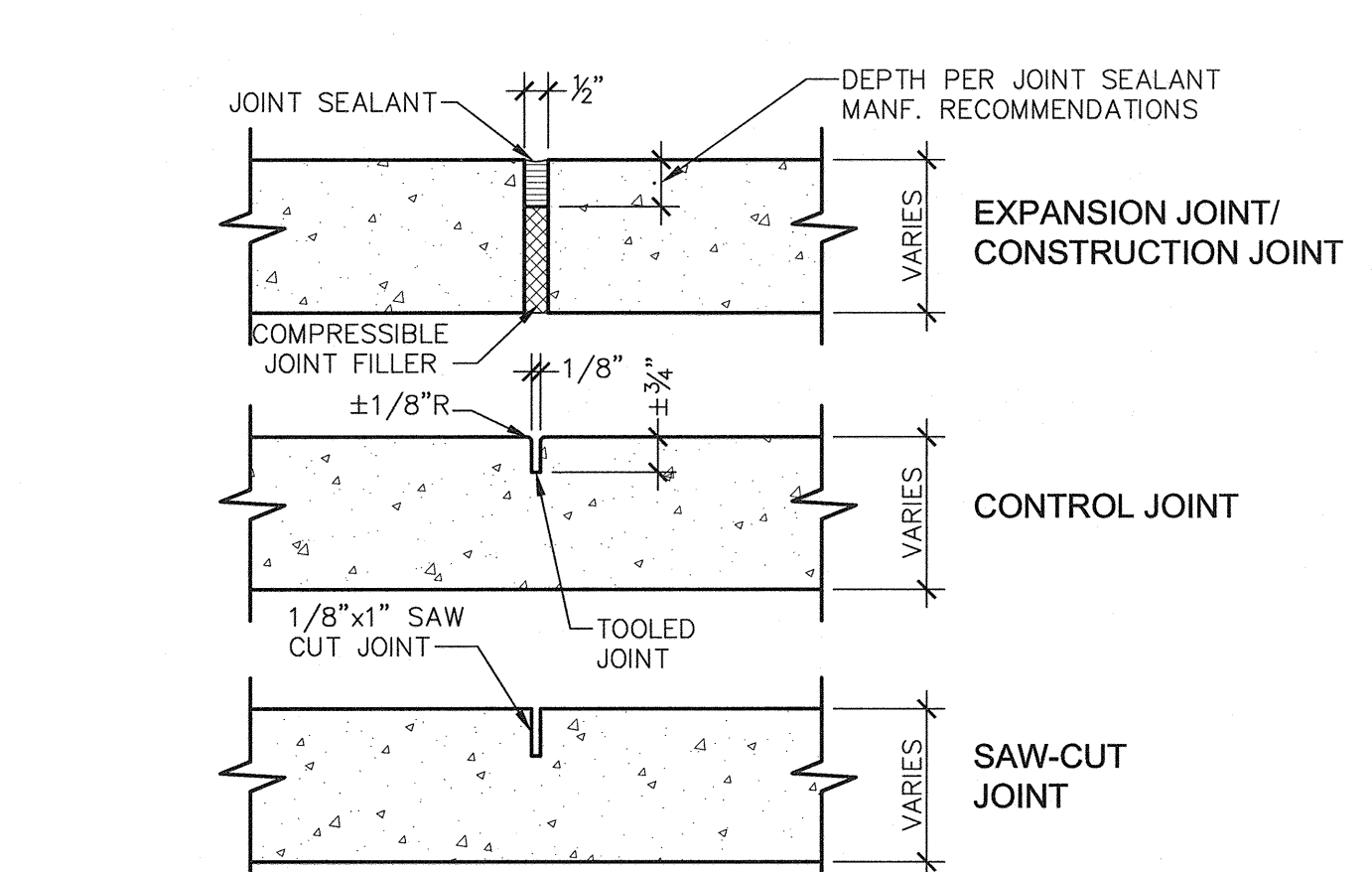
**12 WHEEL STOP**  
A1.03 ADA100-07 SCALE: 1 1/2" = 1'-0"



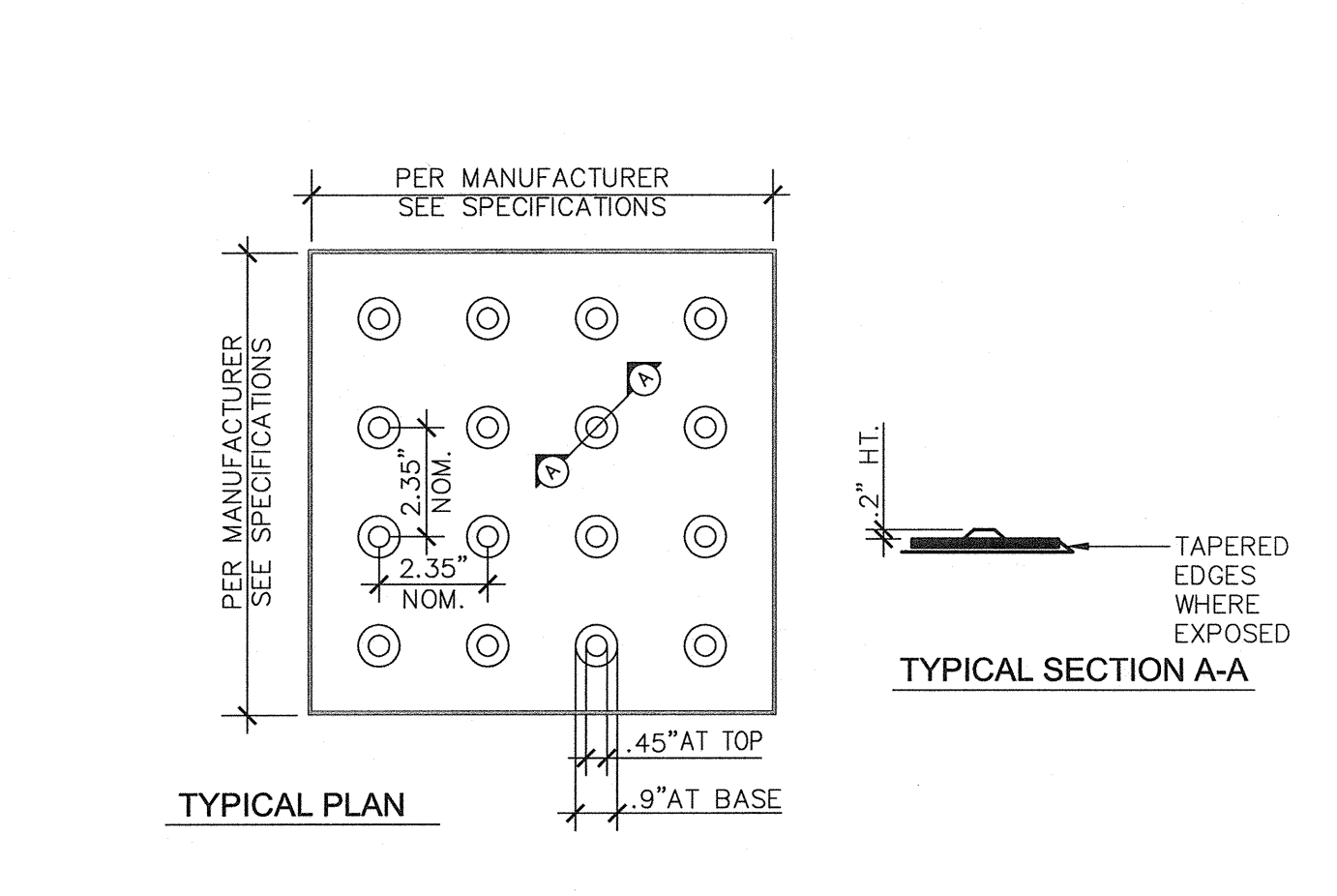
**5 (N) CONC. WALK @ (E) CONC. WALK**  
A1.03 ADS100-05 SCALE: 1 1/2" = 1'-0"



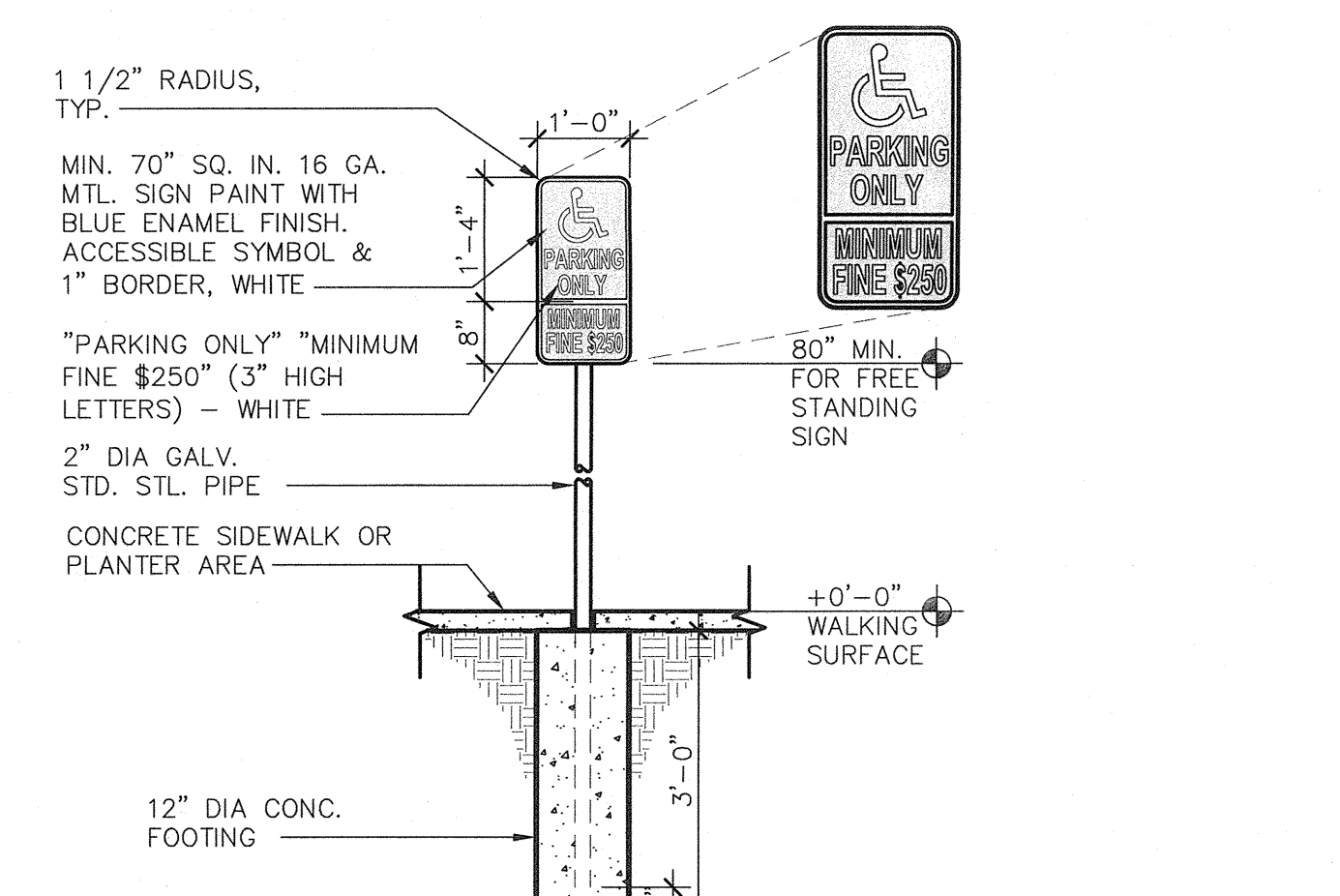
**6 TYPICAL CONCRETE WALK**  
A1.03 ADS100-15 SCALE: 1 1/2" = 1'-0"



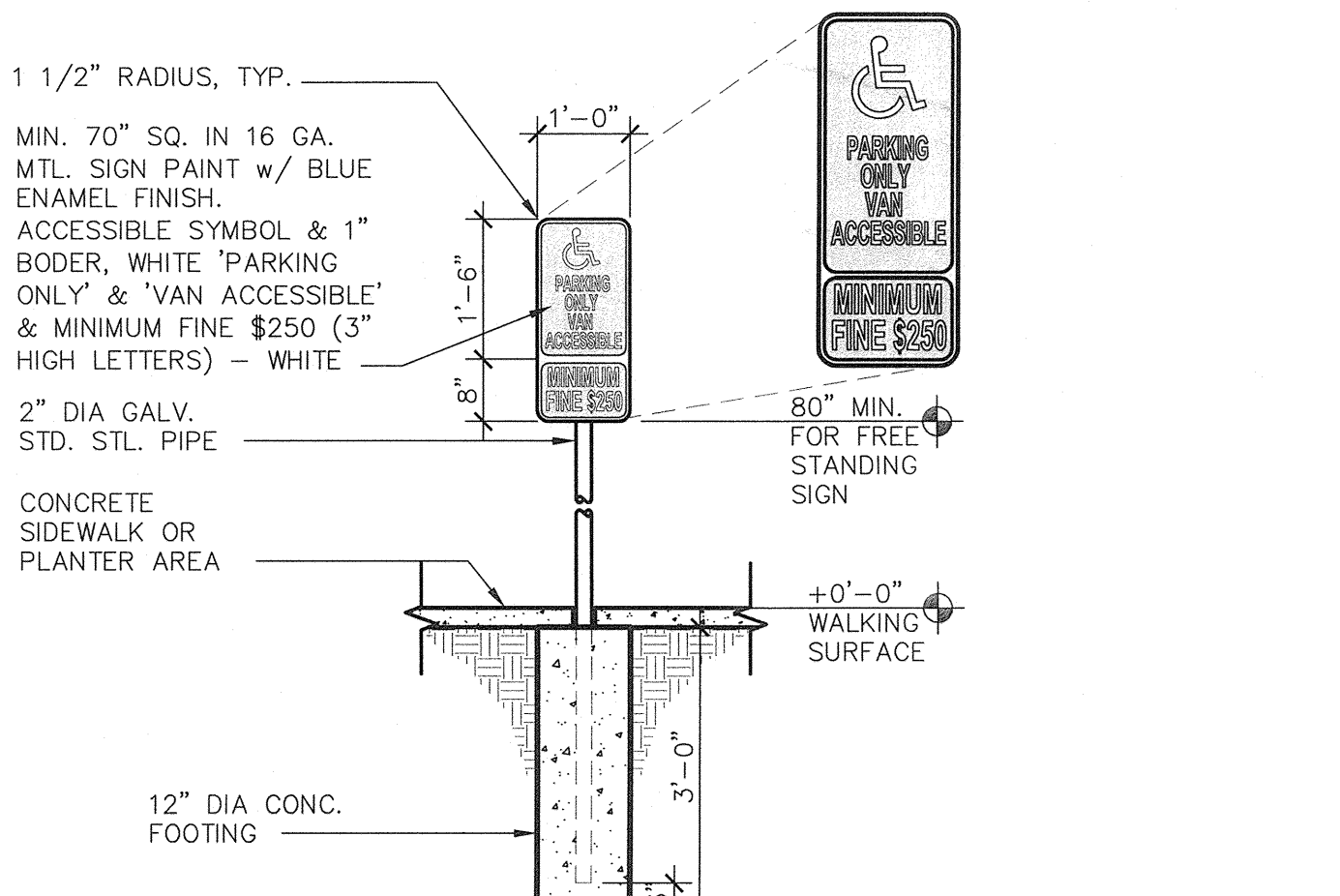
**7 CONCRETE JOINTS**  
A1.03 ADS110-01 SCALE: 3" = 1'-0"



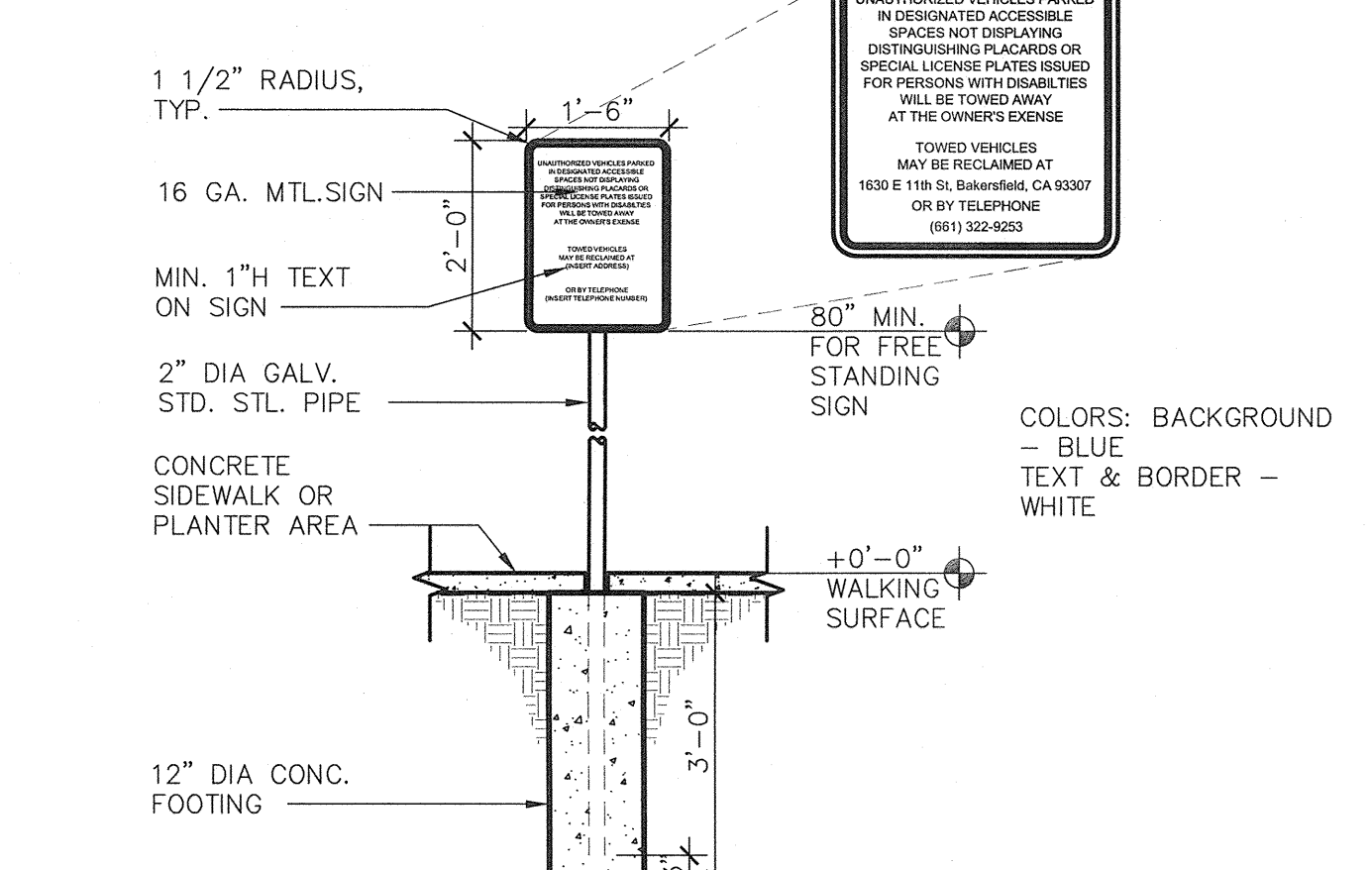
**8 TRUNCATED DOMES**  
A1.03 ADA100-23 SCALE: N.T.S.



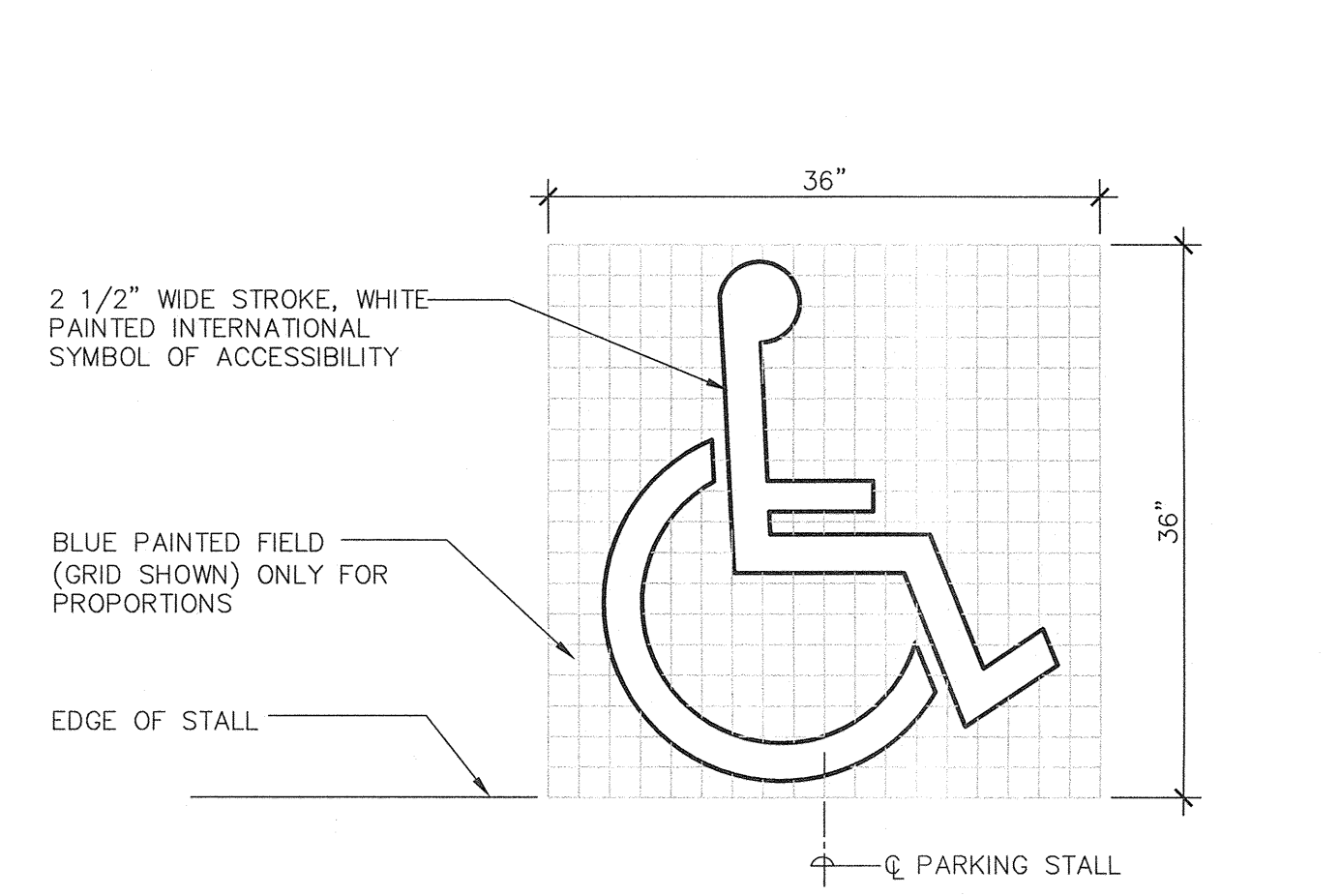
**1 ACCESSIBLE PARKING SIGNAGE DETAIL**  
A1.03 ADA100-05 SCALE: 1/2" = 1'-0"



**2 VAN ACCESSIBLE PARKING SIGNAGE DETAIL**  
A1.03 ADA100-04 SCALE: 1/2" = 1'-0"



**3 TOW AWAY SIGNAGE DETAIL**  
A1.03 ADA100-02 SCALE: 1/2" = 1'-0"



**4 TYPICAL ACCESSIBLE PARKING STALL SYMBOL**  
A1.03 ADA100-03 SCALE: 1" = 1'-0"

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Rev. No.	Date	Description

**SITE DETAILS**

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA.

Issue Date: 07/20/12  
Date: 07/31/12  
Design: DR: PC: CJM

Agency Approval Stamp:  
FILE # 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
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03-114521  
DATE: 8/11/12  
TRACKING #: 63321-118

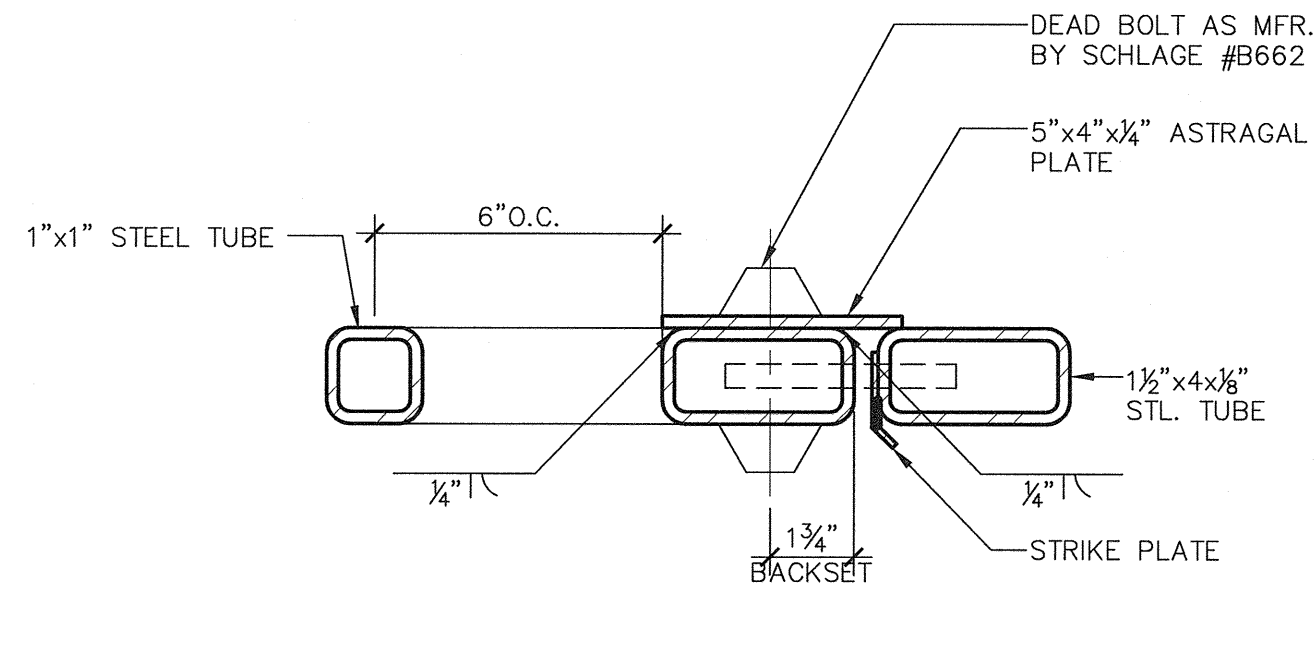
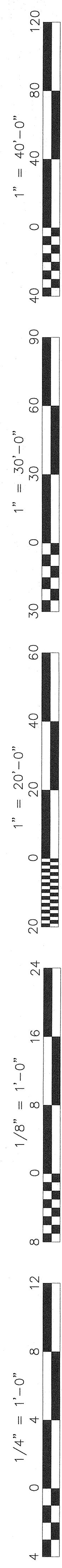
Stamp(s):

REGISTERED ARCHITECT  
CURTIS E. MCNALLY  
No. C 28956  
STATE OF CALIFORNIA

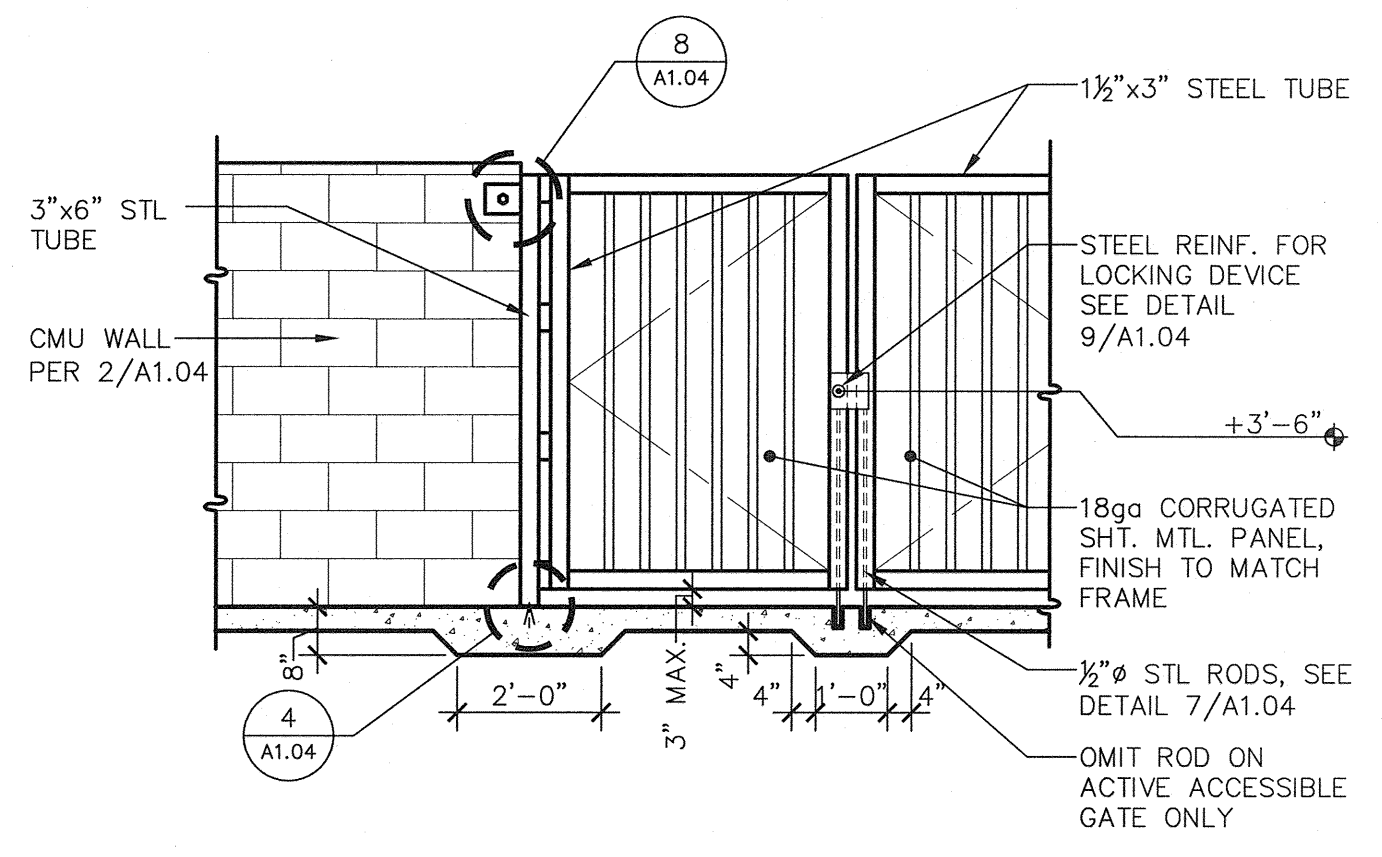
Job No.: **3990**

Sheet No.: **A1.03**

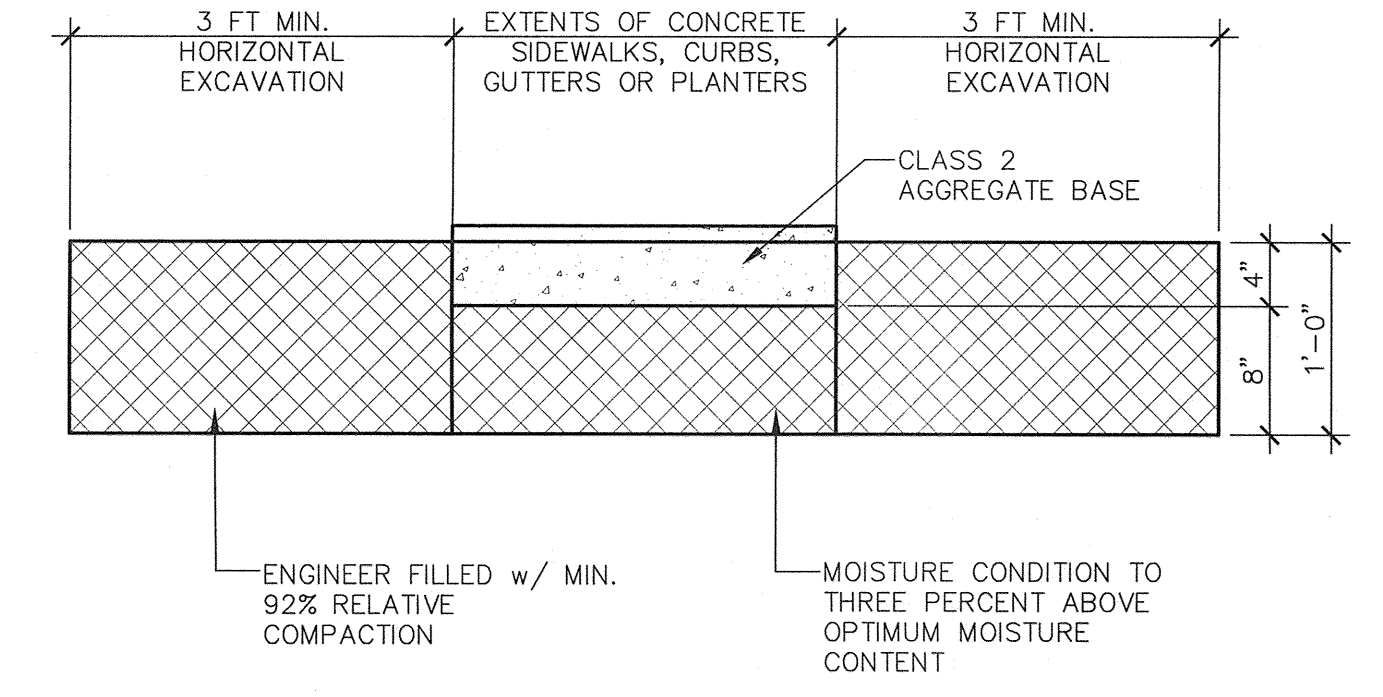
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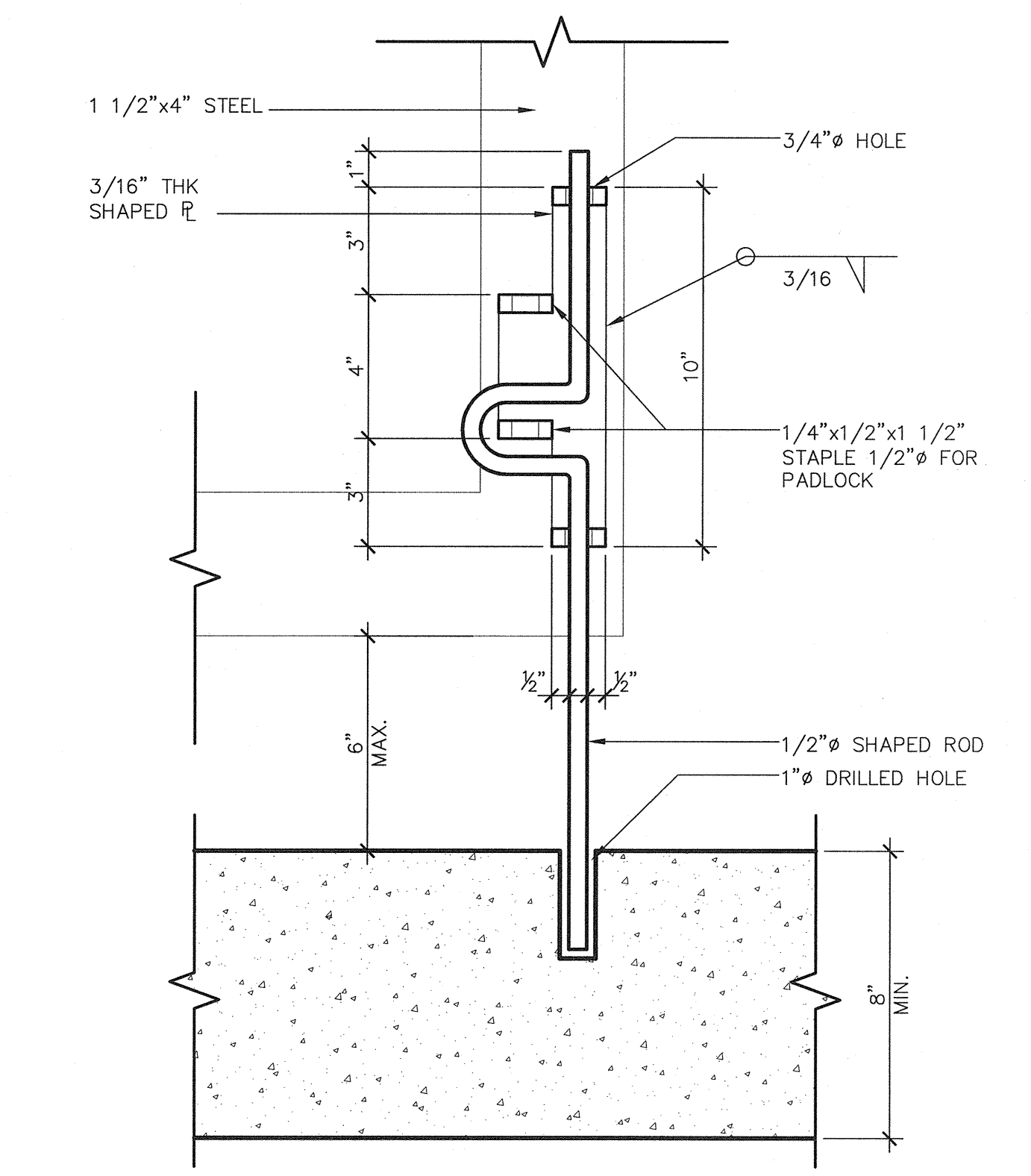
**9 LOCKING DEVICE @ GATE**  
 A1.04 ADS100-39 SCALE: 3" = 1'-0"



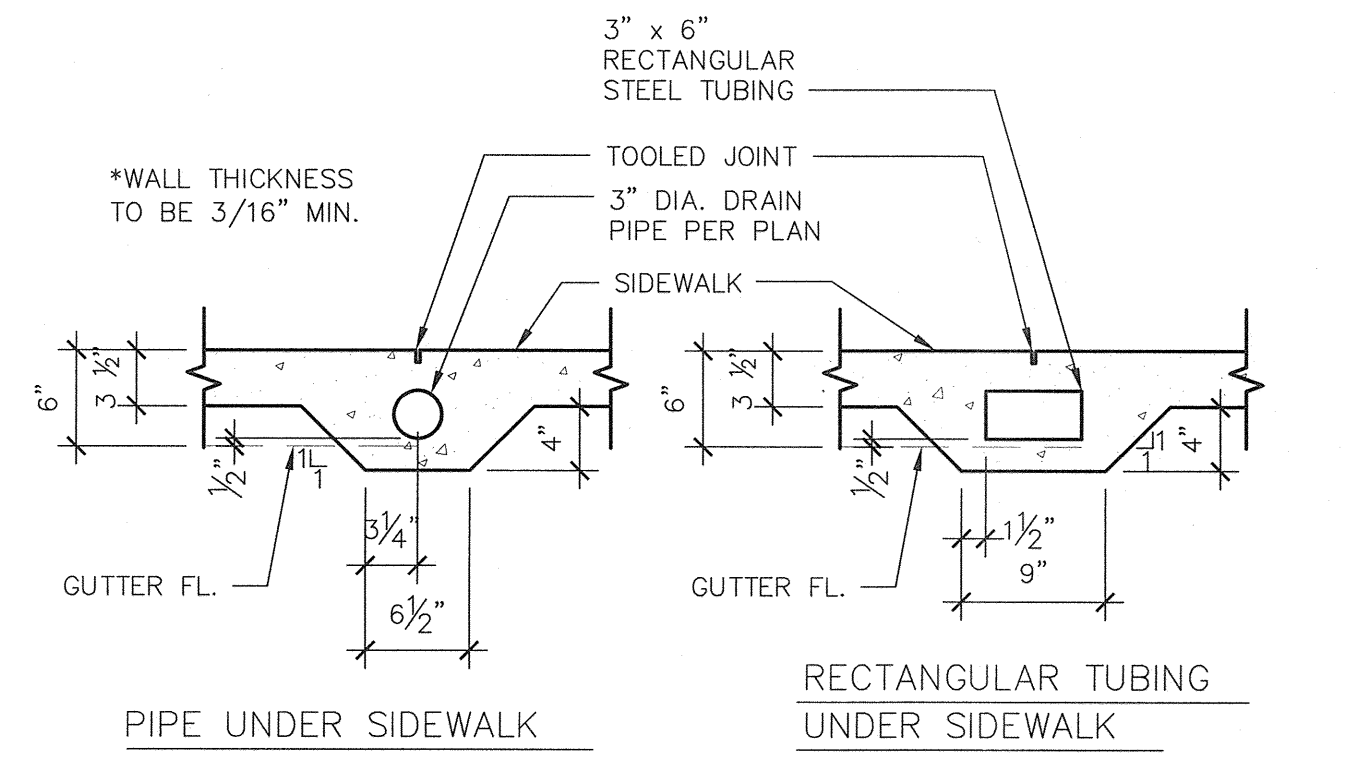
**5 TUBE STEEL GATE @ CMU WALL**  
 A1.04 ADS100-44 SCALE: 3/8" = 1'-0"



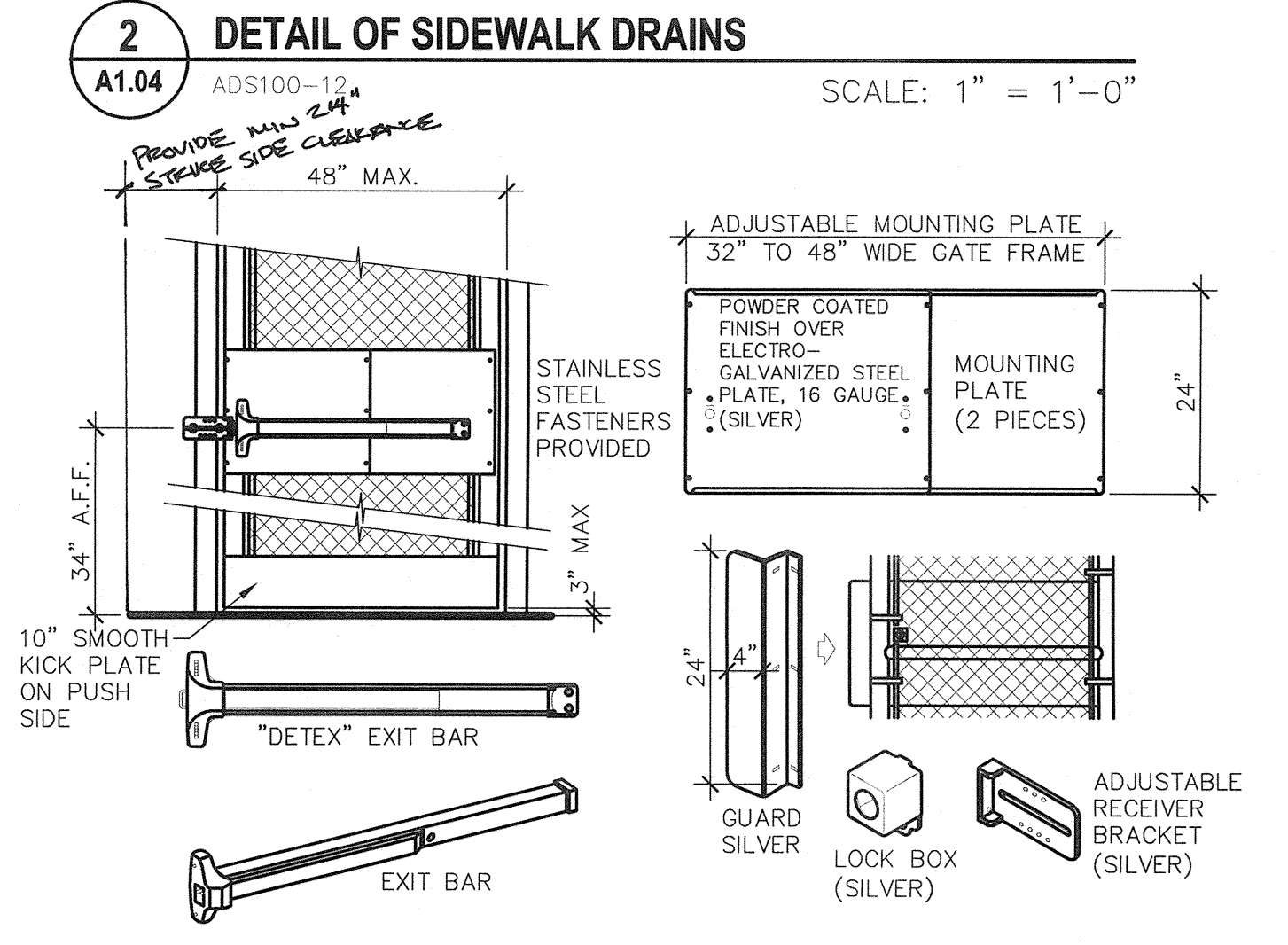
**1 OVER EXCAVATION REQUIREMENTS**  
 A1.04 ADS100-06 SCALE: 1" = 1'-0"  
 FOR SIDEWALKS, CURB, GUTTERS, AND PLANTERS



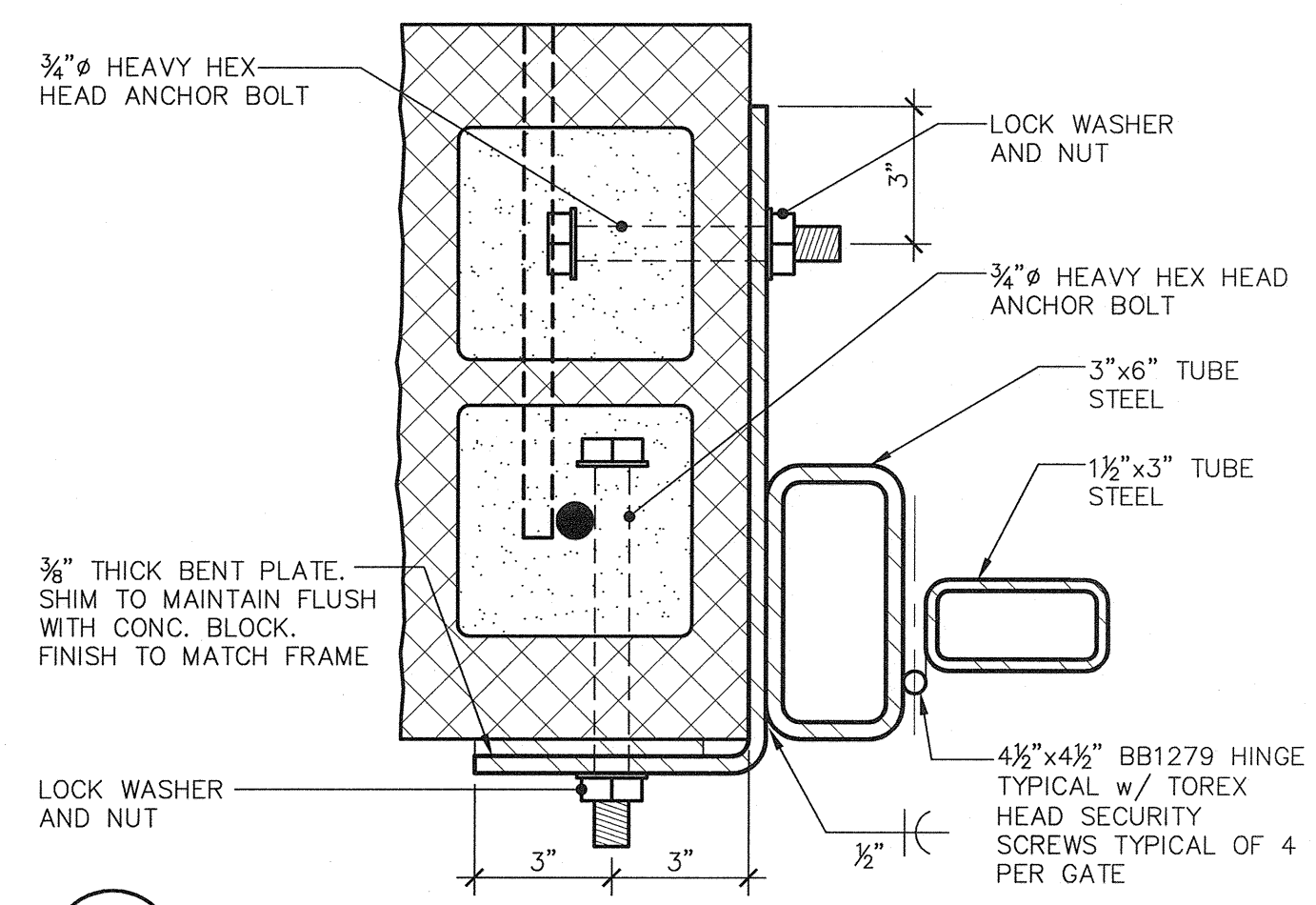
**7 SLIDE BOLT DETAIL**  
 A1.04 ADS120-02 SCALE: 3" = 1'-0"



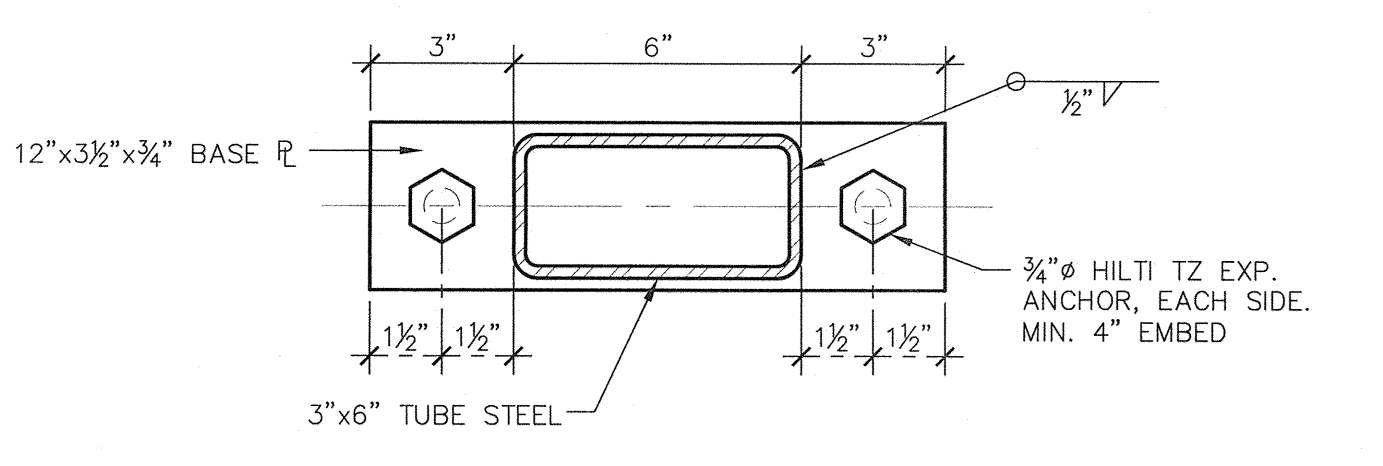
**2 DETAIL OF SIDEWALK DRAINS**  
 A1.04 ADS100-12 SCALE: 1" = 1'-0"



**3 PANIC HARDWARE AT GATE**  
 A1.04 ADY100-02 SCALE: 1 1/2" = 1'-0"



**8 GATE HINGE @ CMU WALL**  
 A1.04 ADS120-06 SCALE: 3" = 1'-0"



**4 BASE PLATE @ TUBE STEEL POST**  
 A1.04 ADQ130-01 SCALE: 3" = 1'-0"

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Rev. No.	Date	Description

**SITE DETAILS**

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA.

Issue Date: 07/20/12  
 Date: 07/30/12  
 Designer: [Signature]  
 DR: [Signature]  
 PC: CJM

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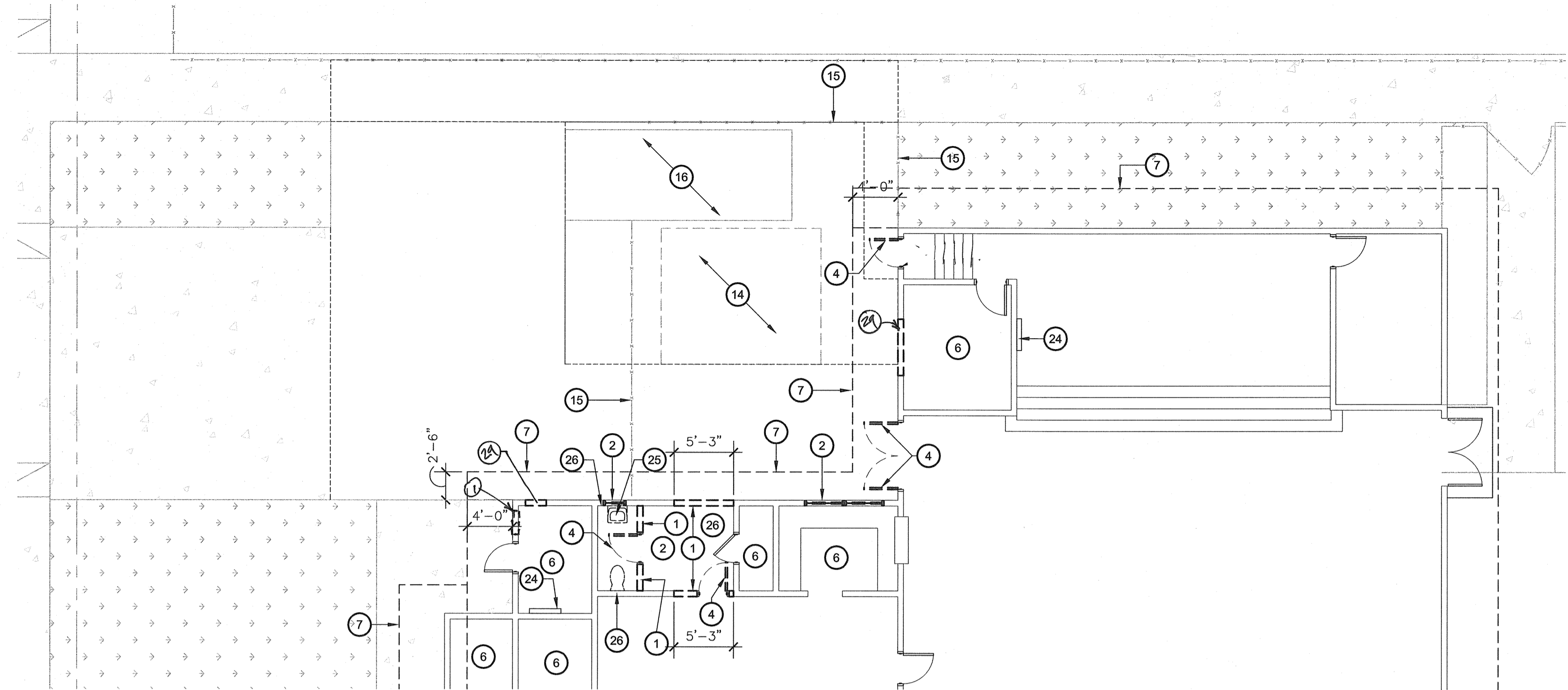
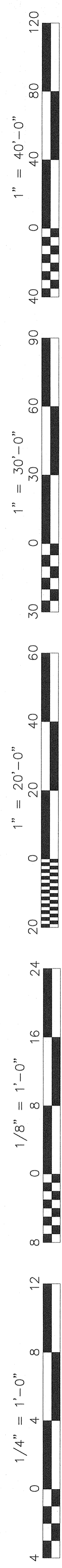
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Job No.: **3990**

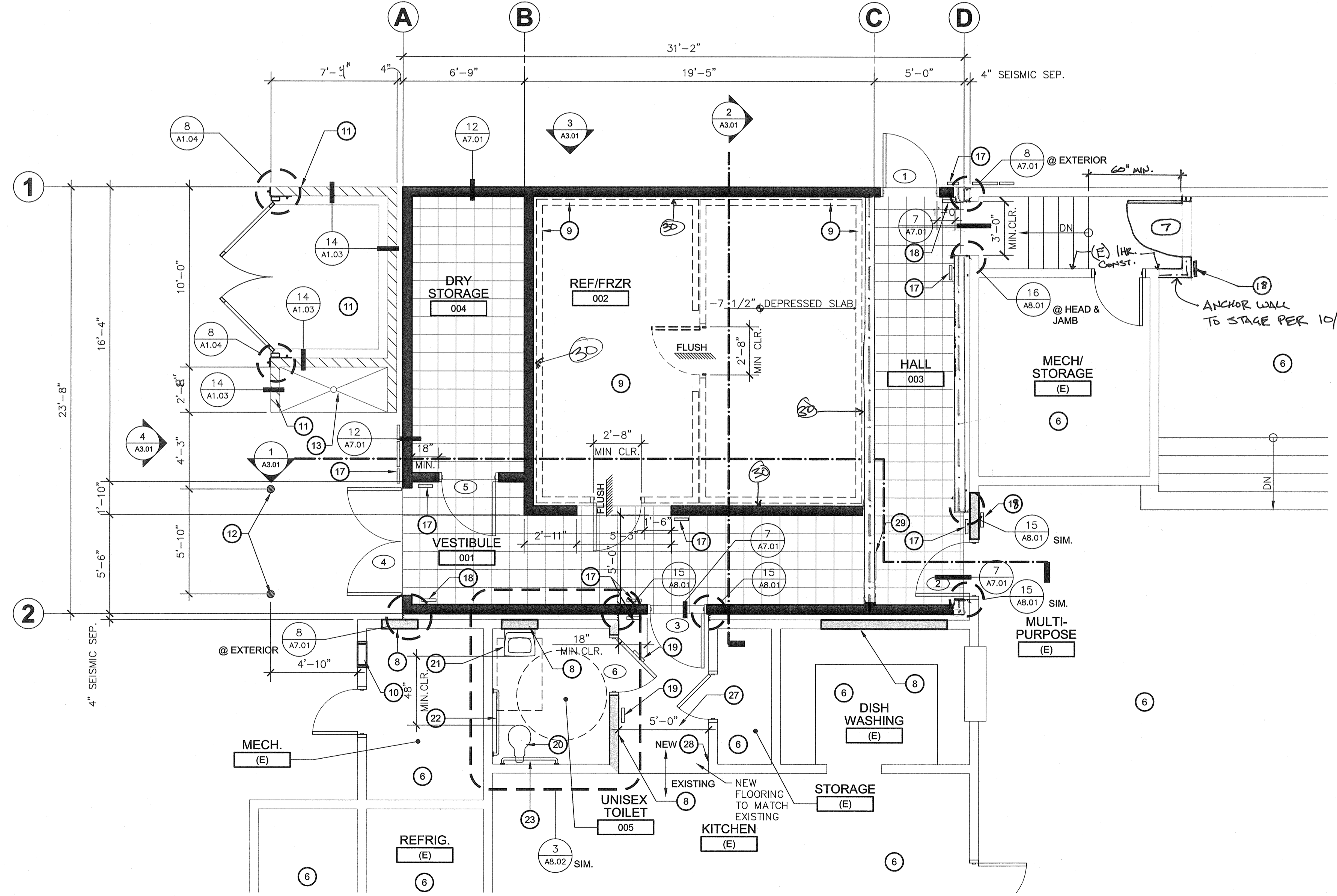
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Release: -

G:\2011\11-3990\Sheets\3990-A104.dwg CURTIS MCNALLY



**1**  
A2.01  
**DEMOLITION FLOOR PLAN**  
KITCHEN ADDITION  
SCALE: 1/8" = 1'-0"



**2**  
A2.01  
**PROPOSED FLOOR PLAN**  
KITCHEN ADDITION  
SCALE: 1/4" = 1'-0"

**DEMOLITION NOTES**

- A. DIMENSIONS INDICATED TO EXISTING WALL STUDS, CONCRETE COLUMNS AND EXTERIOR WALLS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH ANY WORK. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT OF ANY EXISTING CONDITIONS WHICH MAY CONFLICT WITH INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS.
- B. CONTRACTOR SHALL, AT NO ADDITIONAL COST TO THE OWNER, REPLACE ANY ACOUSTICAL TILE, GYPSUM BOARD, CEMENT PLASTER, WOOD VENEER, FLOOR TILES, CARPET AND ANY OTHER FINISHES, DAMAGED DURING THE COURSE OF CONSTRUCTION OF THE MODERNIZATION PROJECT. THE WORK SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH EXISTING/ADJACENT SURFACES.
- C. CONTRACTOR SHALL, AT NO ADDITIONAL COST TO THE OWNER, PATCH, PAINT, RE-TEXTURE, SACK, OR OTHERWISE BLEND IN ANY HOLES OR GOUGES IN WALL, CEILING OR FLOOR SURFACES CAUSED BY THE REMOVAL, RELOCATION OR INSTALLATION OF WALL, FLOOR OR CEILING MOUNTED ITEMS, UNLESS AFFECTED SURFACE IS SCHEDULED TO RECEIVE NEW FINISH. SEE MECHANICAL AND ELECTRICAL FOR MORE INFORMATION.
- D. ALL EXISTING FIRE EXTINGUISHERS, WALL MOUNTED ACCESSORIES, OUTLETS, BRACKETS AND SCREWS TO BE REMOVED AND REINSTALLED AFTER NEW INTERIOR/EXTERIOR WALL FINISH HAS BEEN INSTALLED. CONTRACTOR TO FIELD VERIFY PRIOR TO BID.
- E. ALL EXISTING TOILET AND CLASSROOM ACCESSORIES (eg. TOILET PAPER DISPENSER, PAPER TOWEL DISPENSER, SOAP DISPENSER, ETC.) TO BE REMOVED & RETURNED TO OWNER.
- F. "INVESTIGATIVE DEMOLITION" MEANS THE CONTRACTOR SHALL (1) REMOVE THE FINISH MATERIAL; (2) EXPOSE THE STRUCTURE; (3) NOTIFY THE ARCHITECT FOR INSPECTION.
- G. REMOVE ABANDONED PIPING & SUPPORTS TO INSIDE OF WALL/ BELOW CONC. FLOOR. CAP REMAINING PIPING - PATCH WALL OR CONCRETE FLOOR TO MATCH EXISTING.
- H. REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR OTHER ITEMS TO BE REMOVED, RELOCATED AND INSTALLED.
- I. SAW CUT AS REQ'D TO MAKE PLUMBING CONNECTIONS PER DETAIL 12/A7.01. PATCH CONCRETE FLOOR PER DETAIL 13/A7.01 TO MATCH EXISTING.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF LAYOUTS AND ESTABLISHED LOCATIONS OF BURIED UTILITY LINES. ANY UTILITIES REQUIRING RELOCATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR CONTACT APPLICABLE GOVERNING AGENCIES REGARDING ARRANGEMENT AND COORDINATION OF WORK.
- K. WHEN INCREASING THE WIDTH OF DOORWAYS, STUDS BOLTED OR NAILED TO HOLDINGS MAY NOT BE MOVED WITHOUT APPROVAL BY THE ARCHITECT
- L. CONTRACTOR TO FIELD VERIFY ALL EXISTING WALL MOUNTED DEVICES PRIOR TO INSTALLATION OF NEW WALL FINISH MATERIAL AND SHALL REINSTALL ALL DEVICES AFTER NEW WALL MATERIAL IS IN PLACE INCLUDING MECHANICAL AND ELECTRICAL DEVICES.
- M. REMOVE ABANDONED SURFACE MOUNTED CONDUIT WIRE AND CONTROLS, TYPICAL TO ALL ROOMS, REINSTALL REQUIRED OUTLETS FLUSH WITH FINISH MATERIAL.
- N. CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT OF ANY EXISTING CONDITIONS WHICH MAY CONFLICT WITH INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS

**KEY NOTES**

- 1. REMOVE EXISTING WALL RE-FRAME PER 10/S3.01
- 2. EXISTING WINDOW TO BE REMOVED IN FILL PER 2/S3.01
- 3. EXISTING WINDOW TO REMAIN
- 4. REMOVE EXISTING DOOR HARDWARE, DOOR AND FRAME.
- 5. EXISTING DOOR FRAME TO REMAIN
- 6. NO WORK IN THIS ROOM
- 7. EXISTING ROOF OVERHANG TO REMAIN.
- 8. PROVIDE NEW 2X INFILL WALL. FINISH TO MATCH EXISTING WALL IN COLOR AND TEXTURE
- 9. PROVIDE NEW WALK-IN COOLER/FREEZER COMBO. INSTALL PER MANUFACTURERS RECOMMENDATIONS
- 10. NEW MECHANICAL LOUVER - SEE MECHANICAL DRAWINGS
- 11. PROVIDE NEW SINGLE BIN TRASH ENCLOSURE
- 12. PROVIDE NEW CONCRETE FILLED PIPE BOLLARDS PER DETAIL 16/A1.03
- 13. PROVIDE NEW DRAIN AT BIN WASHING STATION SEE MP2.01 FOR ADDITIONAL INFORMATION
- 14. EXISTING COOLER TO BE REMOVED (BY OWNER)
- 15. EXITTING FENCING TO BE REMOVED
- 16. EXISTING STORAGE TO BE RELOCATED (BY OWNER)
- 17. NEW ROOM ID SIGN PER DETAIL 4/A8.01
- 18. NEW EXIT SIGN PER DETAIL 8/A8.01
- 19. NEW RESTROOM SIGN PER DETAIL 6/A8.02
- 20. NEW WATER CLOSET
- 21. NEW LAVATORY
- 22. NEW 48" GRAB BAR
- 23. NEW 36" GRAB BAR
- 24. EXISTING ELECTRICAL PANEL
- 25. REMOVE EXISTING PLUMBING FIXTURES
- 26. REMOVE (E) CERAMIC TILE WALL & FLOOR FINISHES
- 27. NEW FLOOR COVERING AND WALL BASE TO MATCH EXISTING
- 28. PATCH & REPAIR WALL TO MATCH (E) ADJACENT SURFACE - PRIME AND PAINT
- 29. EXISTING LOUVER TO BE REMOVED
- 30. PROVIDE 2" MAX CLEAR BETWEEN FACE OF FREEZER AND FACE OF CURS. FILL VOID W/ 2" POLYSTYRENE TO TOP OF CURS AFTER UNIT FLOOR IS IN PLACE.

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Revision	Description	Rev. Date

**FLOOR PLAN**

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL**  
**KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA.

Sheet Title:  
**FLOOR PLAN**

Issue Date: 07/20/12  
Date: 07/31/12  
Designer: [Signature]  
DR: [Signature]  
PC: CJM

Agency Approval Stamp:

FILE # 15-6  
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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

03-114521  
AC: [Signature]  
DATE: 8/1/12  
TRACKING #: 63321-118

**LEGEND**

- EXISTING 2x STUD WALL TO REMAIN
- NEW REFRIGERATOR/FREEZER BY OTHERS
- EXISTING DOOR TO BE REMOVED
- NEW FLOORING MATERIAL, SEE SCHEDULE
- NEW 6" - 1-HOUR RATED WALL SEE DETAILS SHEET A3.03
- NEW 8 x 8 x 16 CMU
- NEW 2 x 6 STUD WALL INFILL
- NEW 2 x 6 @ 16" O.C.
- NEW 2 x @ 16" O.C. IN-FILL

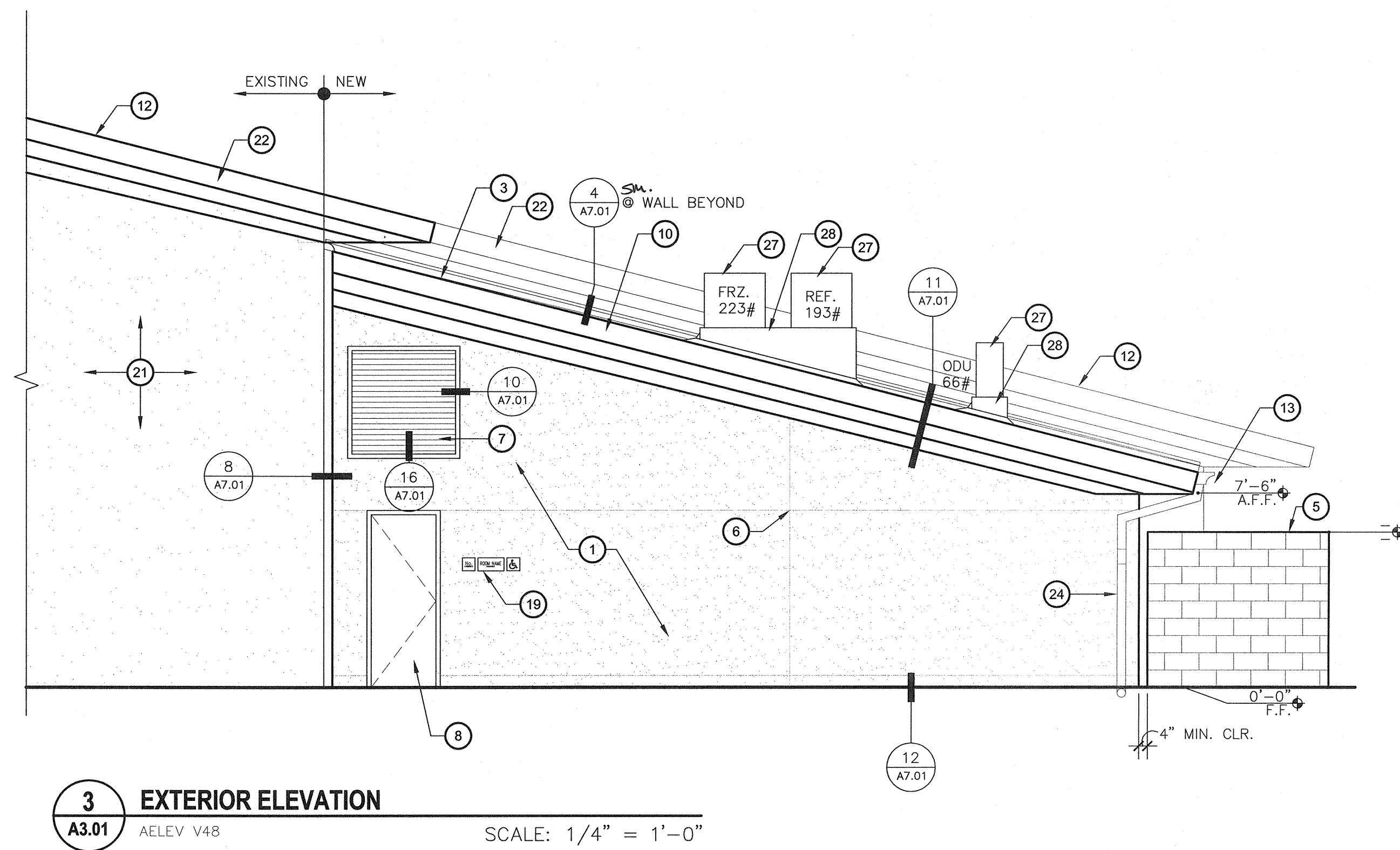
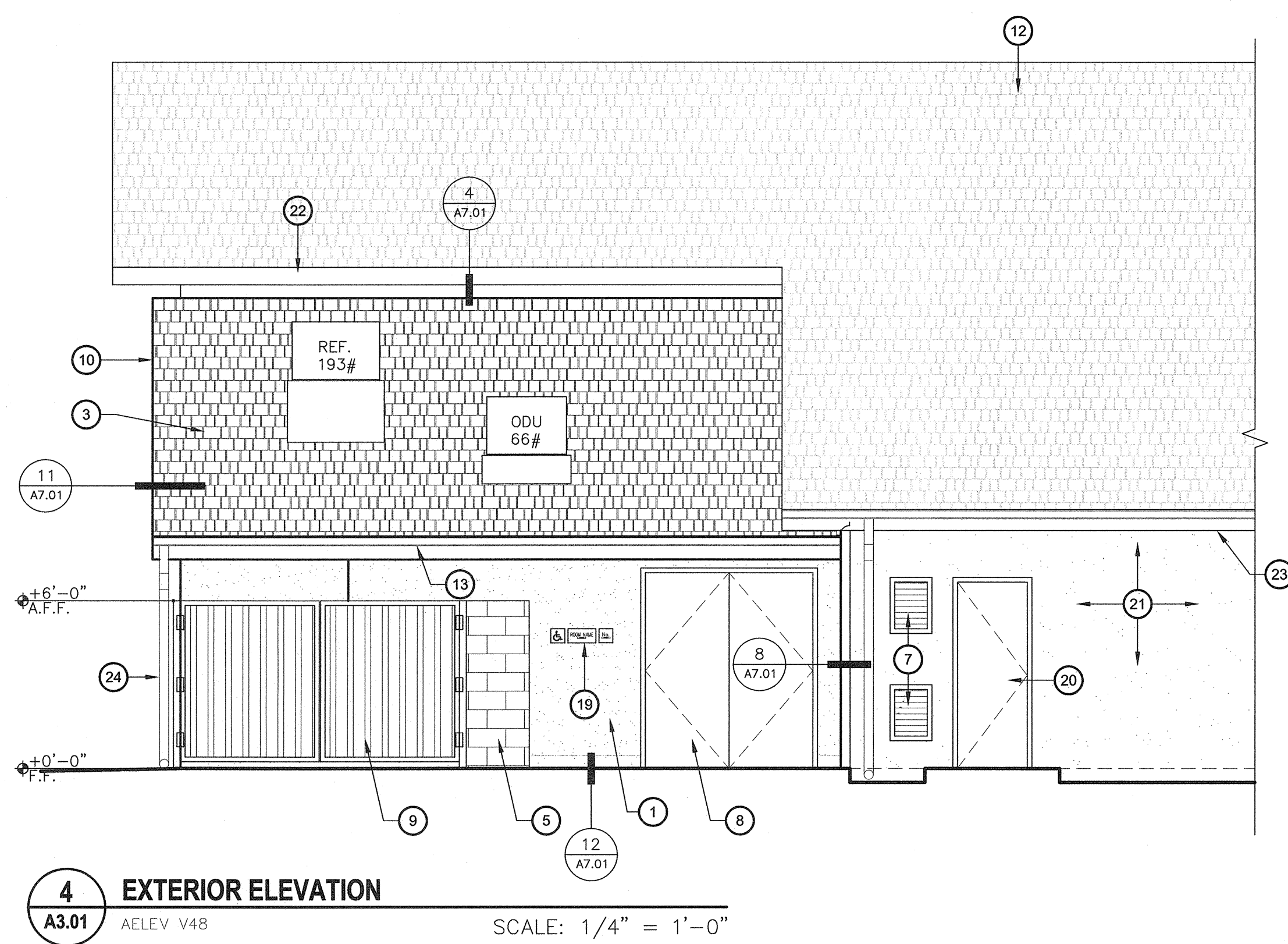
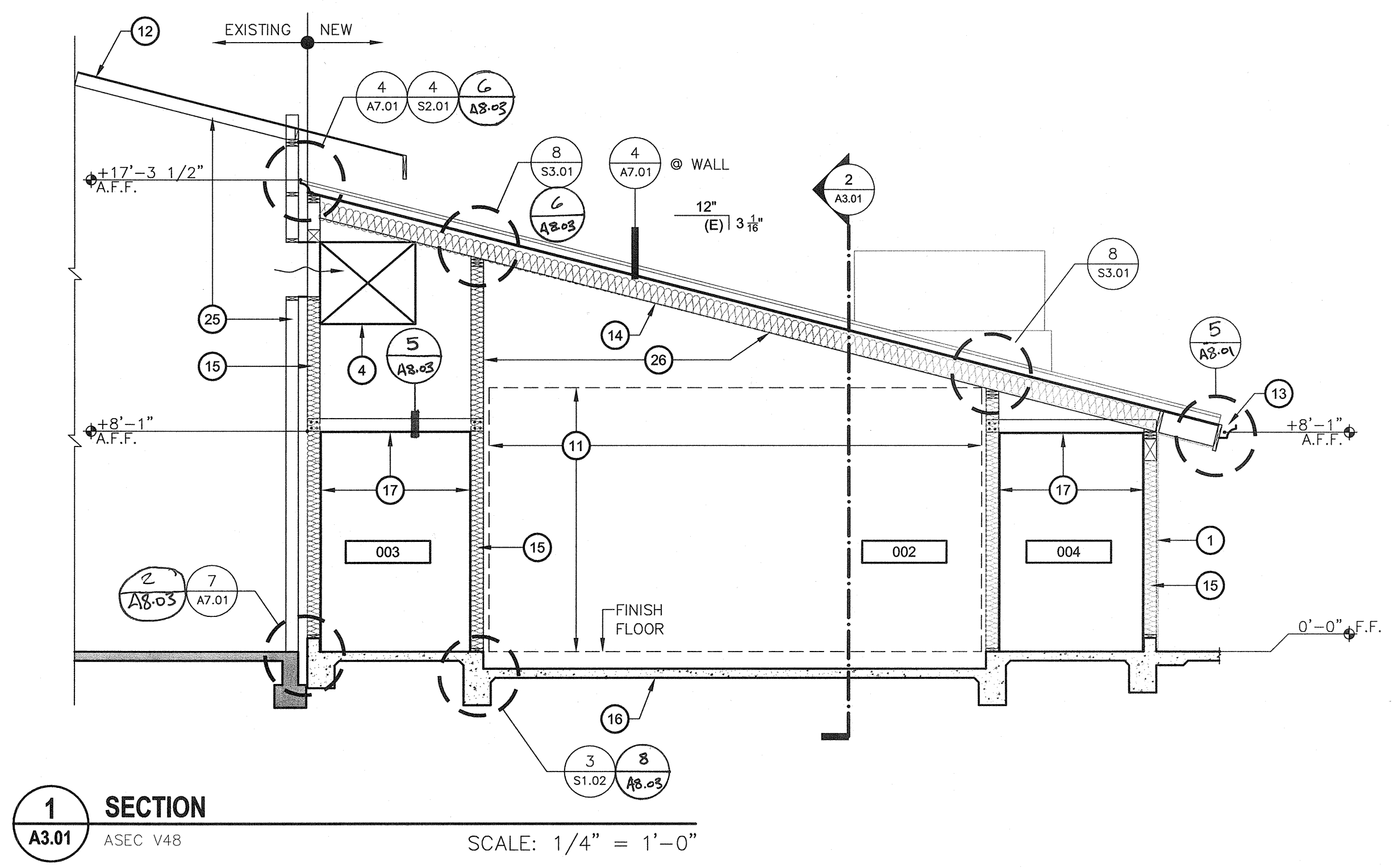
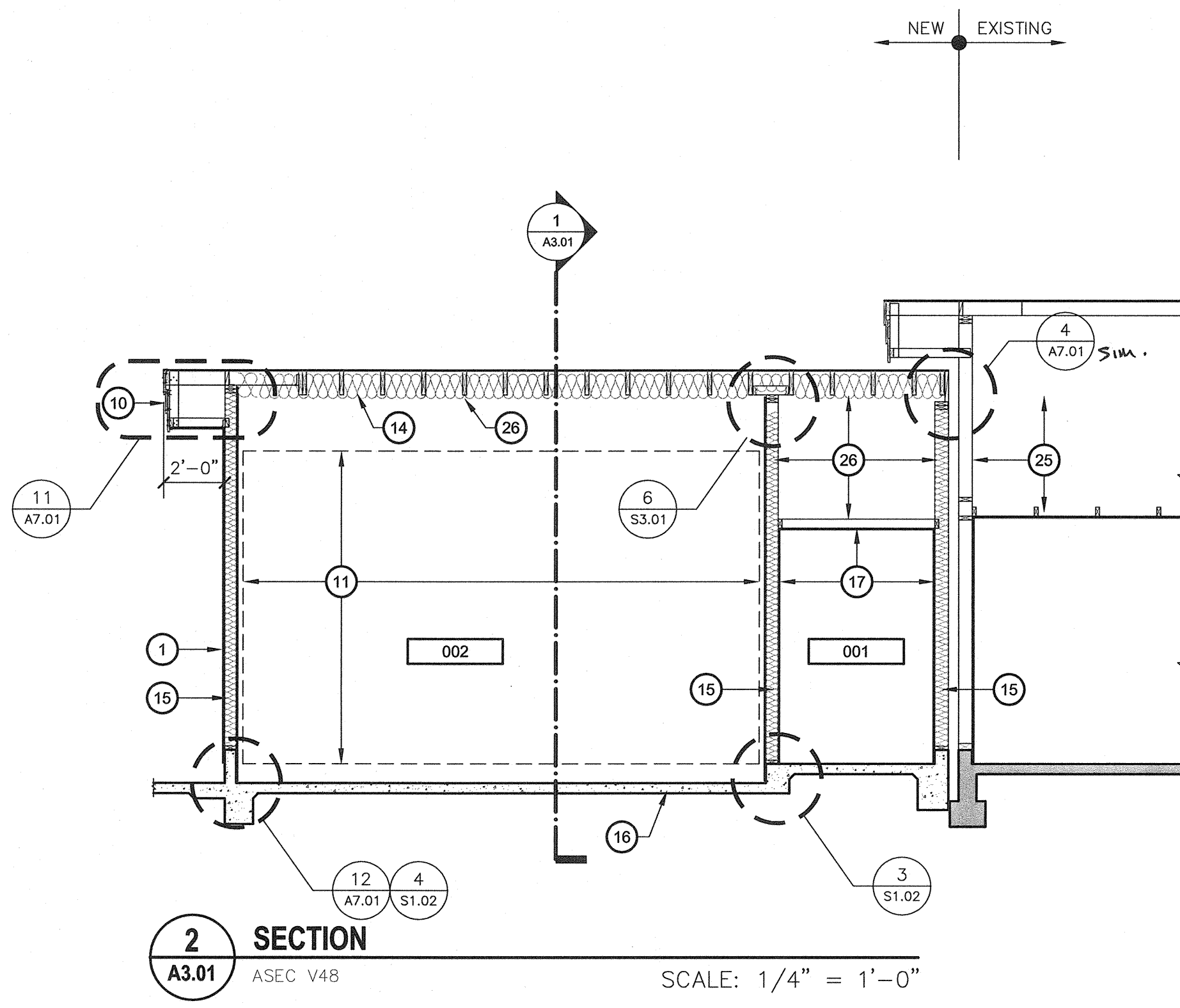
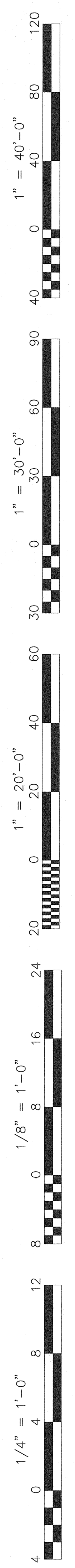
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Exp. 8-31-14  
STATE OF CALIFORNIA

Job No.: **3990**

Sheet No.: **A2.01**

Release: -



**SECTIONS & ELEVATIONS**  
**KITCHEN ADDITION**

SCALE: AS NOTED

**KEY NOTES**

1. NEW CEMENT PLASTER PER SPECIFICATIONS - COLOR SELECTED BY OWNER
2. NEW 24 GA. GALV. SHEET METAL COPING PRIME & PAINT
3. NEW CLASS 'A' COMP SHINGLE ROOF, SEE SPECS FOR ADDITIONAL INFORMATION
4. NEW MECH. DUCT.
5. NEW CONCRETE MASONRY UNIT WALL 8x8x16, SEE SPECS & 14/A1.03
6. NEW CEMENT PLASTER CONTROL JOINT TYP. HORIZONTAL & VERTICAL, SEE 14/A7.01
7. NEW MECHANICAL LOUVERS - PRIME & PAINT. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
8. NEW HOLLOW METAL DOOR & FRAME - PRIME & PAINT, SEE DOOR SCHEDULE A0.01
9. STEEL TUBE FENCING & GATES, SEE NEED DETAIL.
10. WOOD FACIA - PRIME AND PAINT, SEE DETAIL 11/A7.01
11. NEW REFRIGERATOR / FREEZER.
12. EXISTING COMPOSITE SHINGLE ROOFING.
13. NEW SHEET METAL GUTTER.
14. NEW R-38 ROOF INSULATION.
15. NEW R-19 WALL INSULATION.
16. NEW CONCRETE SLAB.
17. NEW GYP. BD.
18. NEW LOUVER - SEE MECH.
19. NEW ROOM ID SIGN PER 4/A8.01.
20. EXISTING DOOR TO REMAIN.
21. EXISTING PLASTER TO REMAIN.
22. EXISTING TRIM.
23. EXISTING SHEET METAL GUTTER.
24. NEW DOWN SPOUT.
25. EXISTING FRAMING.
26. NEW FRAMING SEE STRUCTURAL.
27. NEW MECHANICAL EQUIPMENT - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
28. NEW ROOF CURB PER DETAIL 1/A4.01

**GENERAL NOTES**

- A. ALL BLOCK CMU SHALL BE SANDBLASTED AND SEALED AT THE COMPLETION OF THE JOB
- B. ALL PAINT COLORS SHALL MATCH AS CLOSELY AS POSSIBLE TO THE EXISTING ADJACENT BUILDING - ALL COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO ANY PAINTING ACTIVITIES
- C. ALL METAL LATH WIRE SHALL BE CUT BEHIND ALL EXPANSION/CONTROL JOINTS. THE CONTRACTOR SHALL PROVIDE STUDS AS REQUIRED @ ALL JOINTS

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Rev. Date:	Rev. Description:

**SECTIONS & ELEVATIONS**

**MT. VERNON ELEMENTARY SCHOOL**  
**KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA.

Issue Date: 07/20/12  
Date: 07/31/12  
Designer: [Signature]  
DR: [Signature]  
PC: CJM

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03-114521  
DATE: 8/11/12  
TRACKING #: 63321-118

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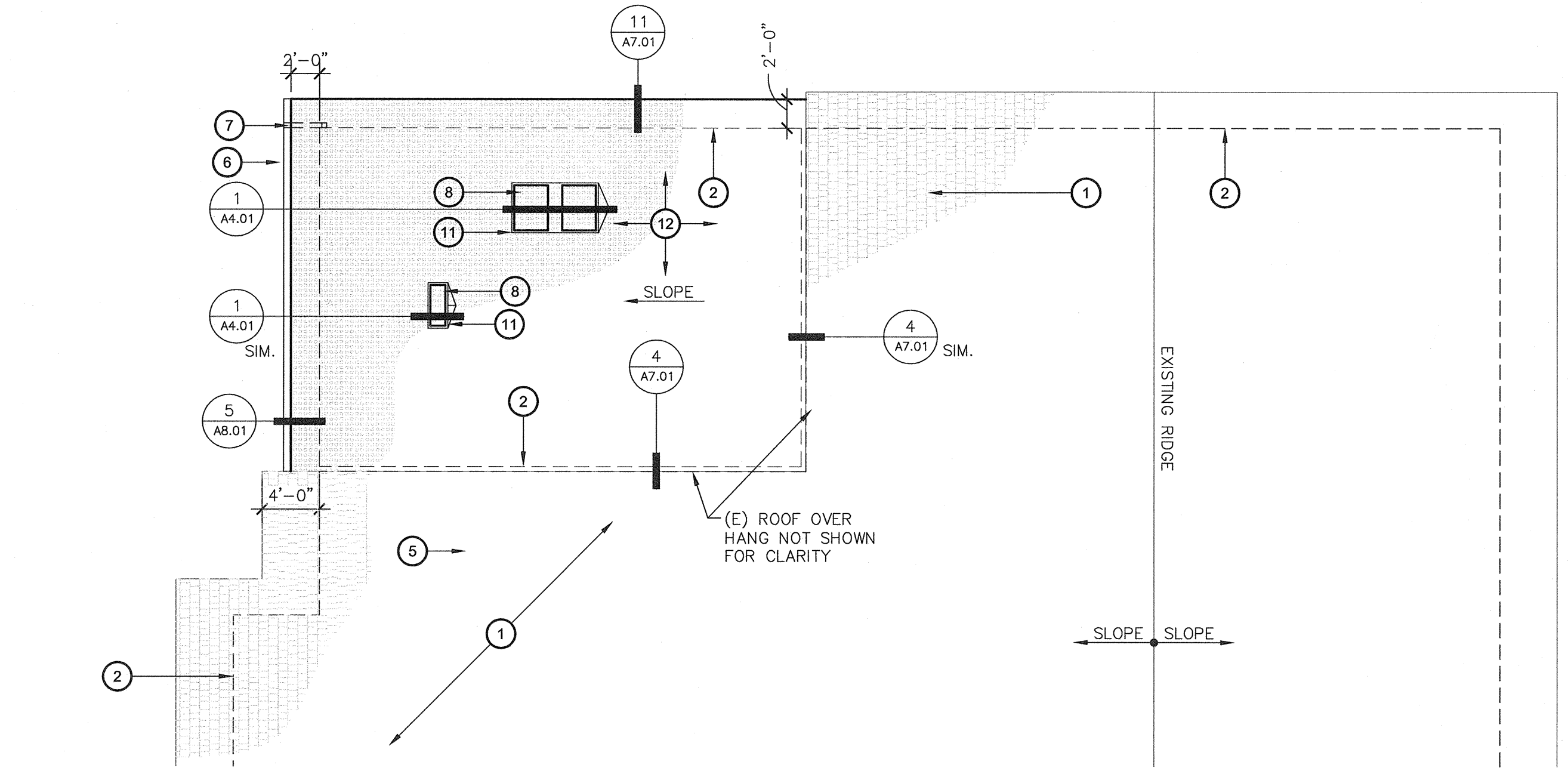
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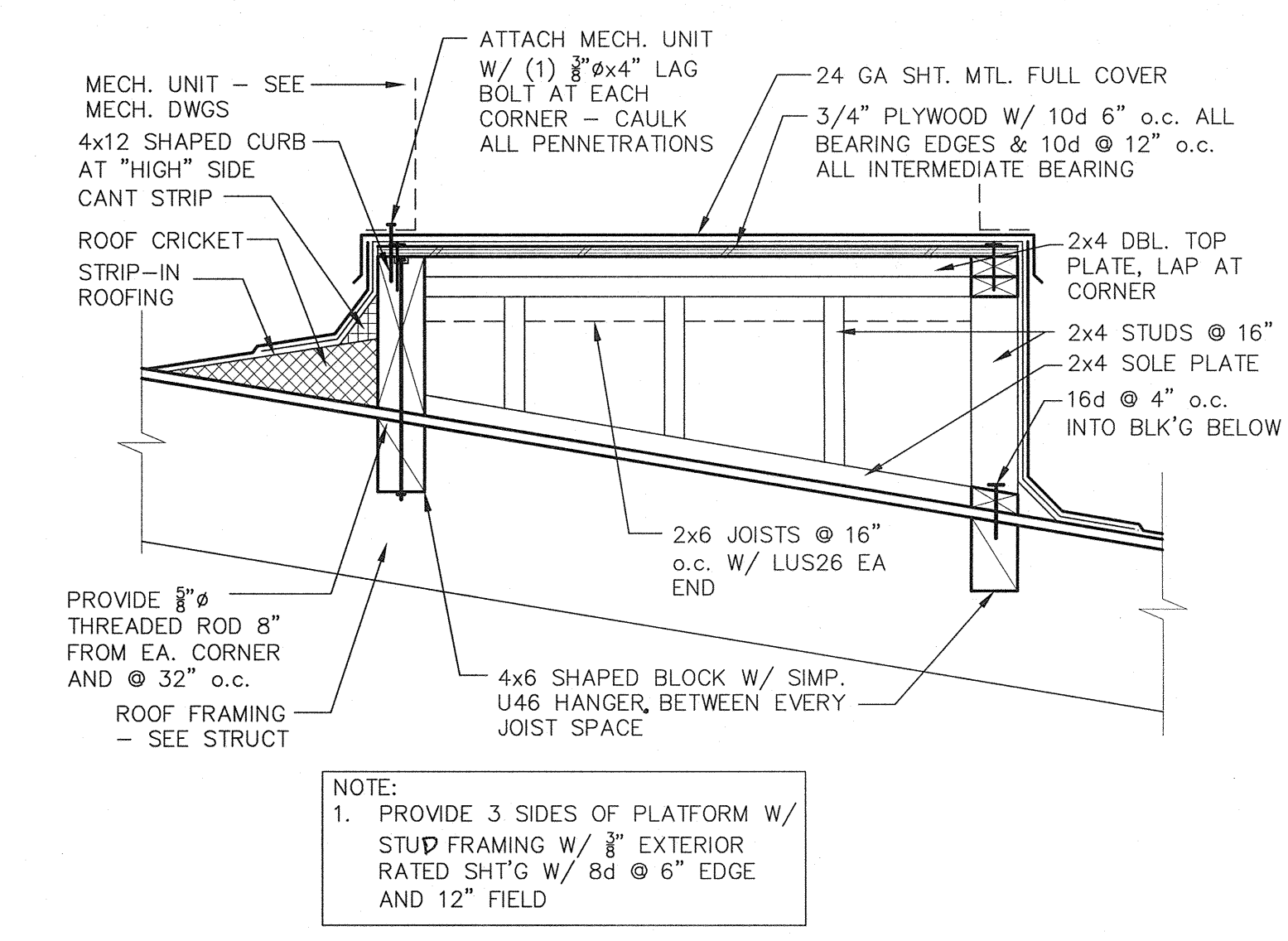


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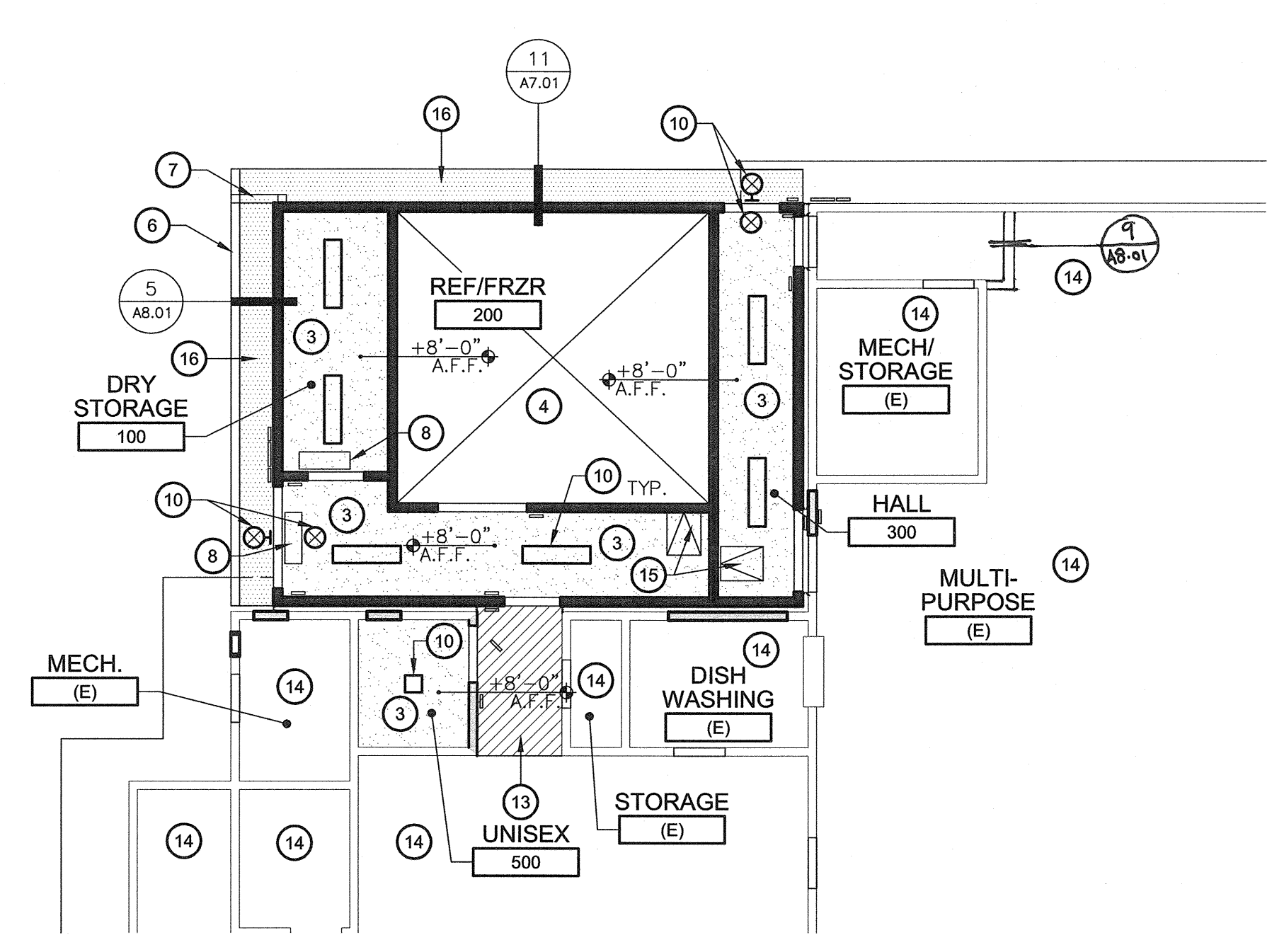
**ROOF PLAN**  
**KITCHEN ADDITION**

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



**1 MECH. PLATFORM DETAIL**

SCALE: 1" = 1'-0"



**REFLECTED CEILING PLAN**  
**KITCHEN ADDITION**

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

**KEY NOTES**

1. EXISTING ROOFING TO REMAIN
2. DASHED LINE INDICATES EXISTING BUILDING EXTERIOR WALL OUTLINE (SHOWN FOR CLARITY).
3. NEW GYP. BOARD CEILING - SEE FINISH SCHEDULE & SPECS. FOR ADDITIONAL INFORMATION
4. OPEN TO STRUCTURE ABOVE
5. NEW EXHAUST FAN ON ROOF. SEE MECH. DWGS.
6. NEW SHEET METAL DOWN SPOUT.
7. NEW MECH. UNIT - SEE MECH. DWGS.
8. NEW FLY FAN - SEE MECH. DWGS.
9. NEW LIGHT FIXTURE - SEE ELECT. DWGS.
10. NEW ROOF CURB.
11. NEW CLASS "A" COMPOSITE SHINGLE ROOFING.
12. PATCH & REPAIR CEILING PRIME & PAINT.
13. NO WORK IN THIS ROOM U.O.N.
14. NEW 22"x30" CEILING ACCESS DOOR PER DETAIL 3/A8.01
15. CEMENT PLASTER EAVE - SEE DETAILS 11/A7.01 AND 5/A8.01

**GENERAL NOTES**

- A. VERIFY ALL DIMENSIONS AND QUANTITIES IN FIELD.
- B. IF EXISTING MATERIALS OR ASSEMBLES ARE DISTURBED BY THE WORK UNDER THIS CONTRACT, THEY SHALL BE REPLACED IN KIND AND FINISH TO MATCH ADJACENT SURFACE.
- C. ALL CONDUITS SHALL BE SUPPORTED ON NEW REDWOOD SLEEPERS IN ACCORDANCE CONDUIT SUPPORT DETAILS
- D. ROOFING COLOR TO BE SELECTED BY THE ARCHITECT
- E. EXTEND GYPSUM BOARD TO 6" ABOVE CEILING EXCEPT AT 1 HR. RATED PARTITIONS (U.O.N.)
- F. INSTALL A 24"x36" CEILING ACCESS PANEL IN EACH ROOM ENCLOSED WITH 1 HR. RATED PARTITIONS WITH GYPSUM BOARD OR PLASTER CEILINGS.
- G. 1 HR. RATED ENCLOSURE WALLS SHALL EXTEND TO BOTTOM OF ROOF STRUCTURE OR RATED CEILING.
- H. ALL JOINTS AND PENETRATIONS THROUGH RATED WALLS AND CEILINGS SHALL BE SEALED WITH FIREPROOFING, FIRE SAFING, OR FIRE SEALANT AS SPECIFIED. SEE SHEETS REFERENCE CORRECT SHEET.

**LEGEND**

- HATCHED AREAS INDICATES EXISTING COMP. SHINGLE ROOFING TO REMAIN
- HATCHED AREAS INDICATE NEW COMP. SHINGLE ROOFING SYSTEM - SEE SPECS
- (N) SURFACE MOUNTED 1x4 LIGHT FIXTURE - SEE ELECTRICAL
- (N) WALL MOUNTED LIGHT FIXTURE - SEE ELECTRICAL
- (N) EMERGENCY EXIT LIGHT FIXTURE - SEE ELECTRICAL

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Rev. No.	Date	Description

**ROOF PLAN & REFLECTED CEILING PLAN**  
**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA,  
 93311

Sheet Title: \_\_\_\_\_  
 Date: 07/20/12  
 Date: 07/31/12  
 Designer: \_\_\_\_\_  
 OR: \_\_\_\_\_  
 PC: CJM

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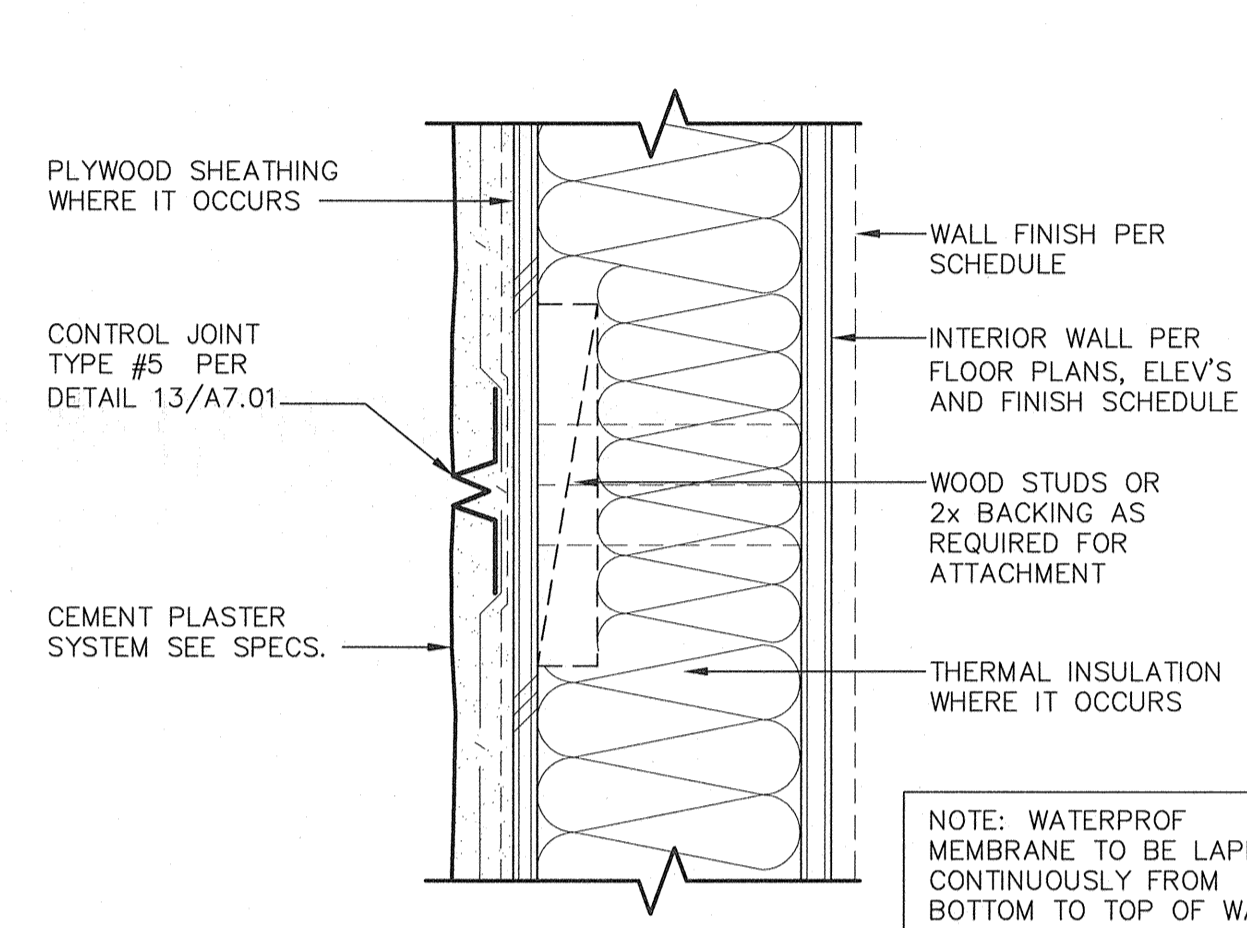
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Sheet No.: **A4.01**

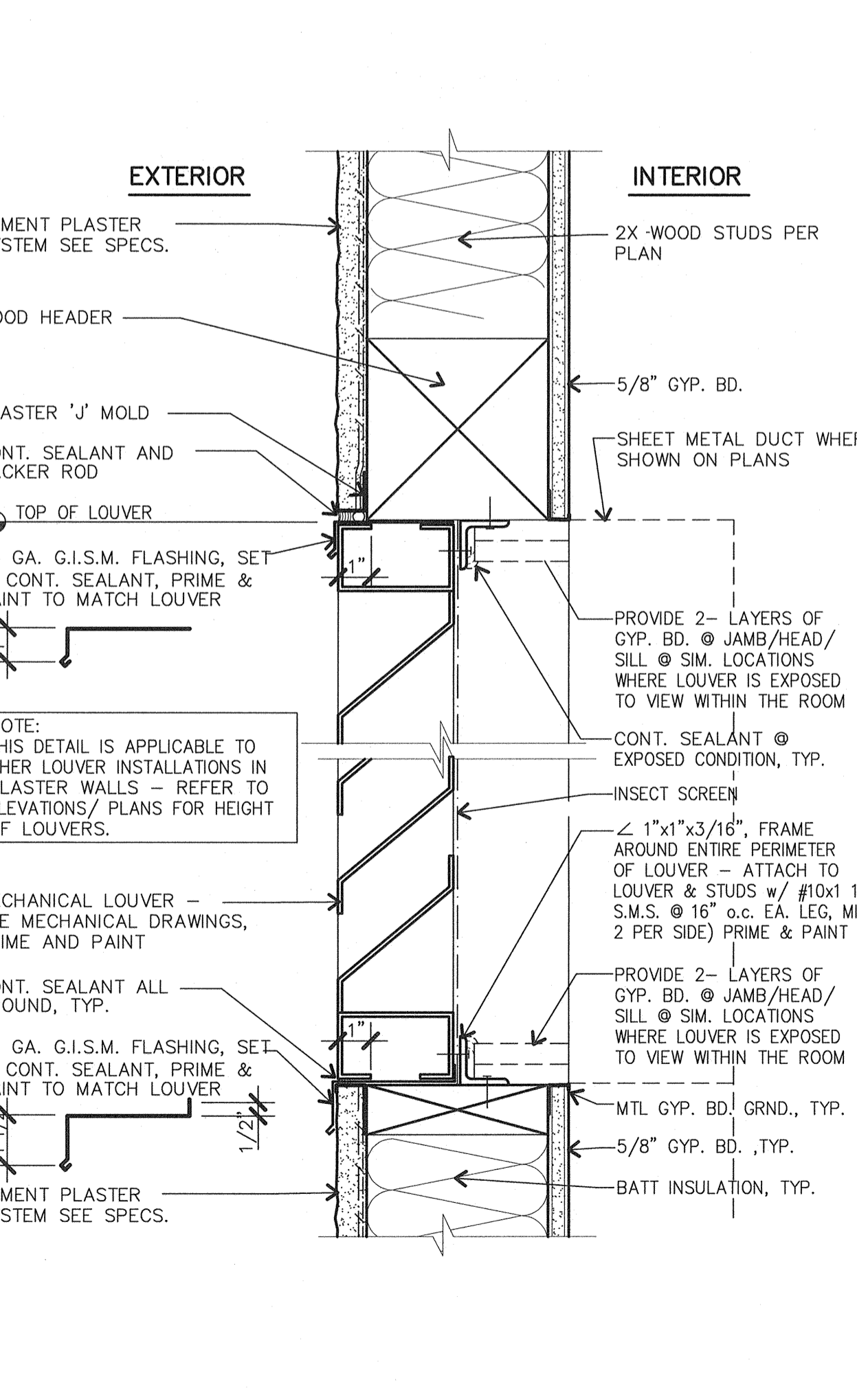
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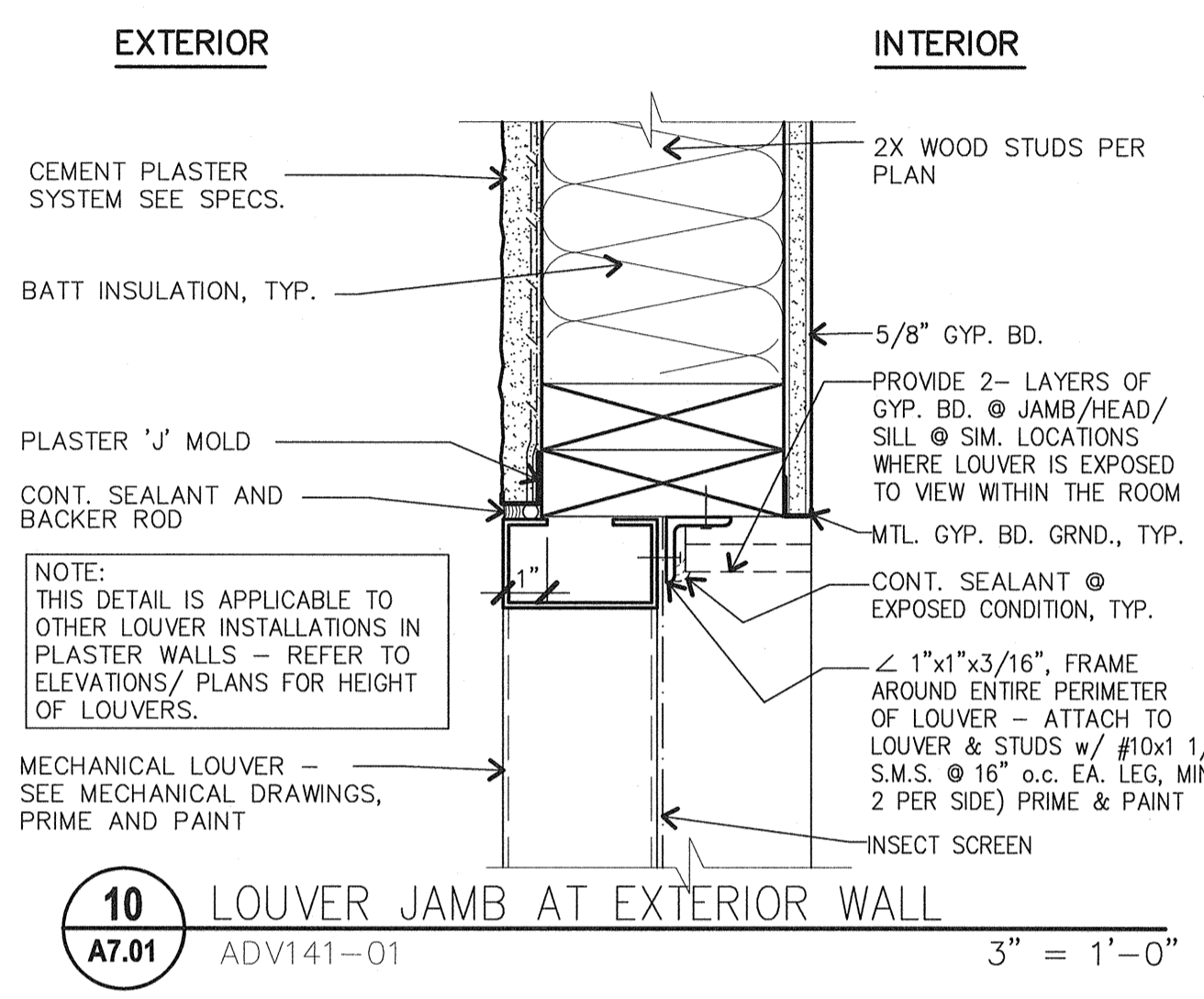
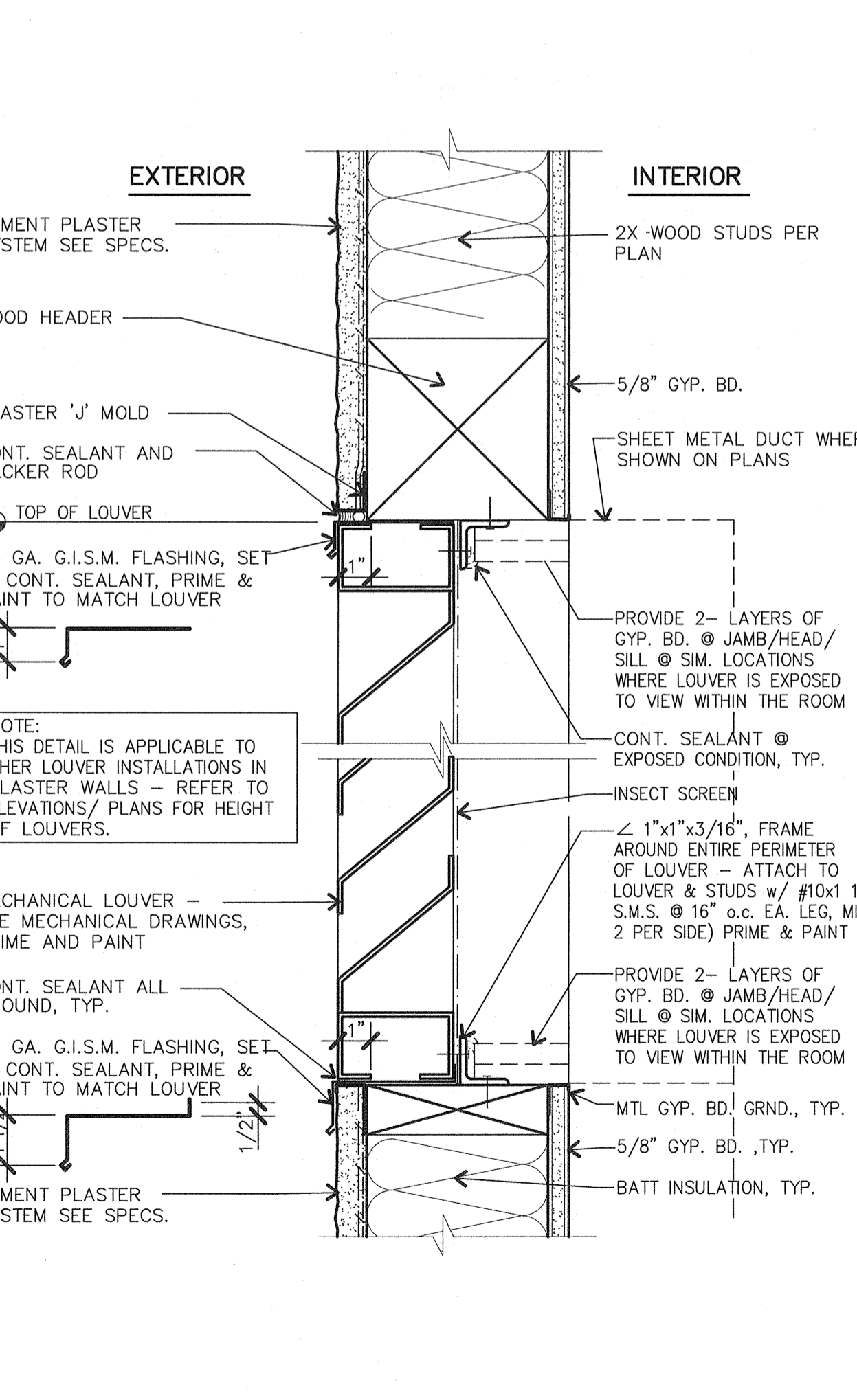
**13 EXTERIOR PLASTER SCREED TYPES**  
 A7.01 ADO101-01 SCALE: 3" = 1'-0"



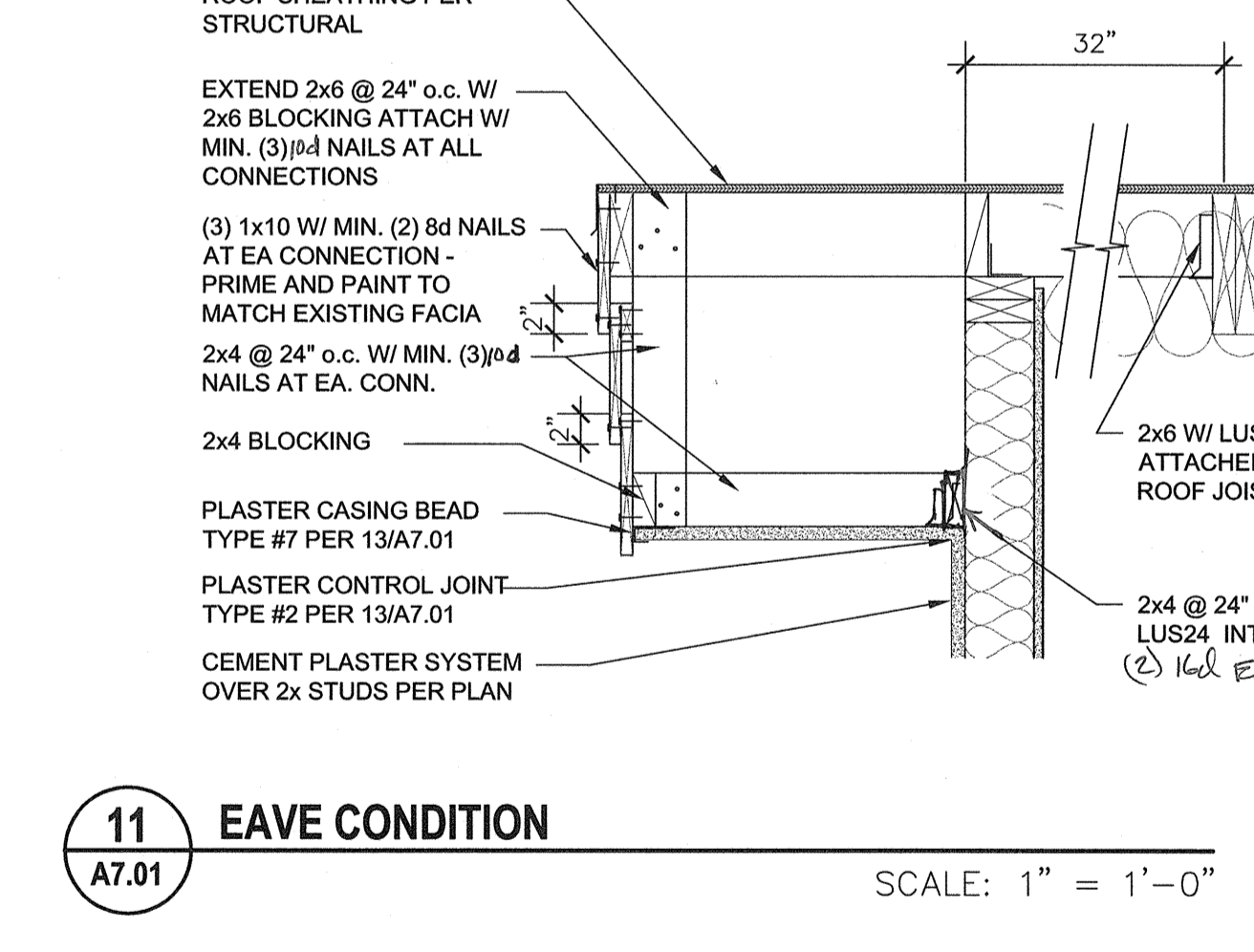
**14 CONTROL/EXPANSION JOINT**  
 A7.01 ADW141-07 SCALE: 3" = 1'-0"



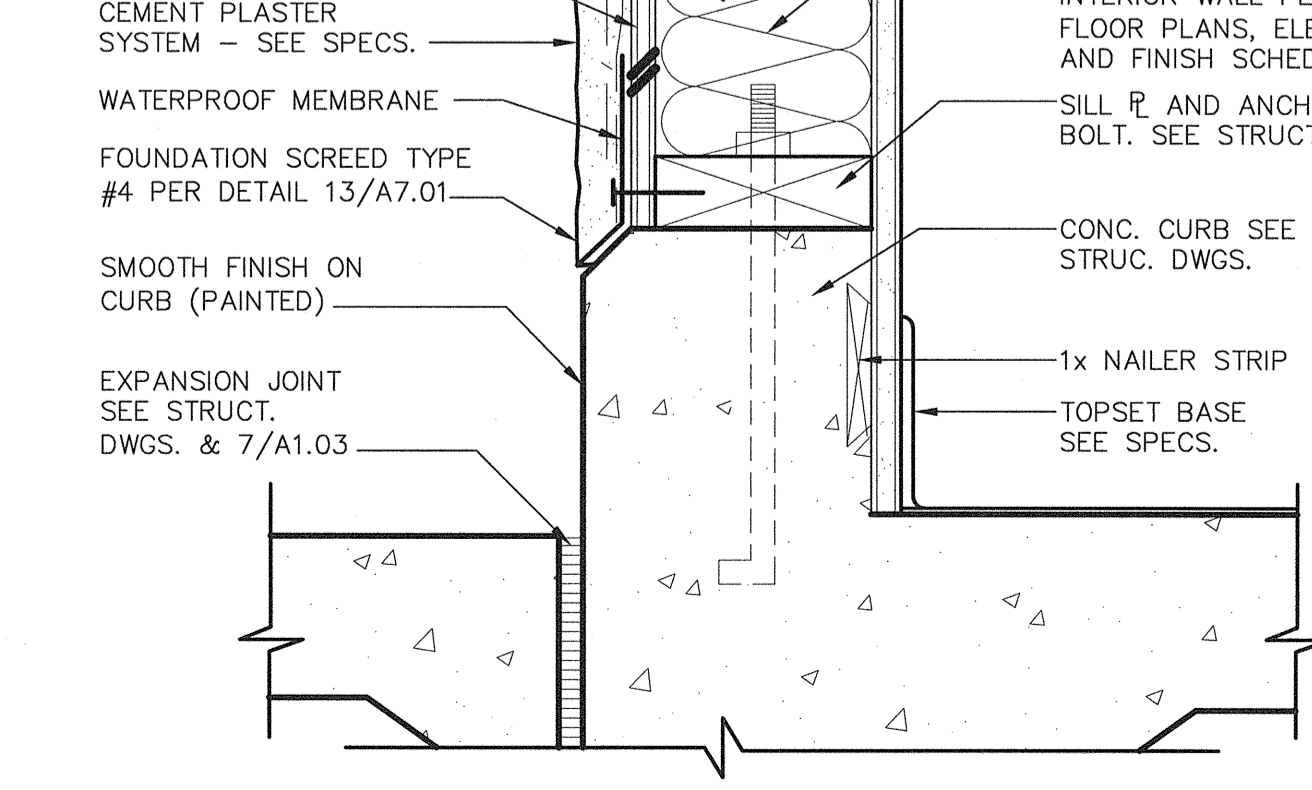
**16 LOUVER HEAD/SILL AT EXTERIOR WALL**  
 A7.01 ADV141-02 SCALE: 3" = 1'-0"



**10 LOUVER JAMB AT EXTERIOR WALL**  
 A7.01 ADV141-01 SCALE: 3" = 1'-0"

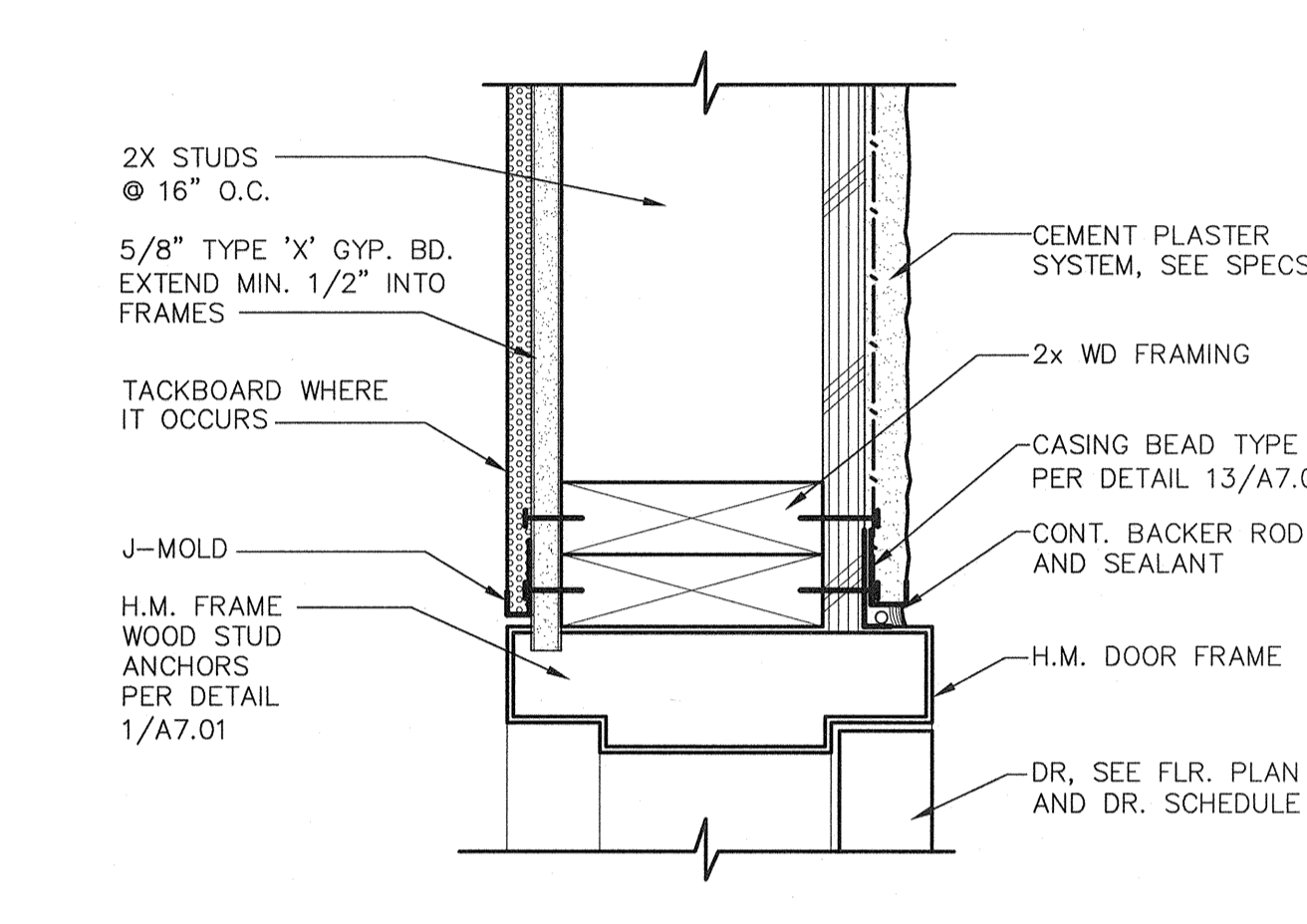


**11 EAVE CONDITION**  
 A7.01 SCALE: 1" = 1'-0"

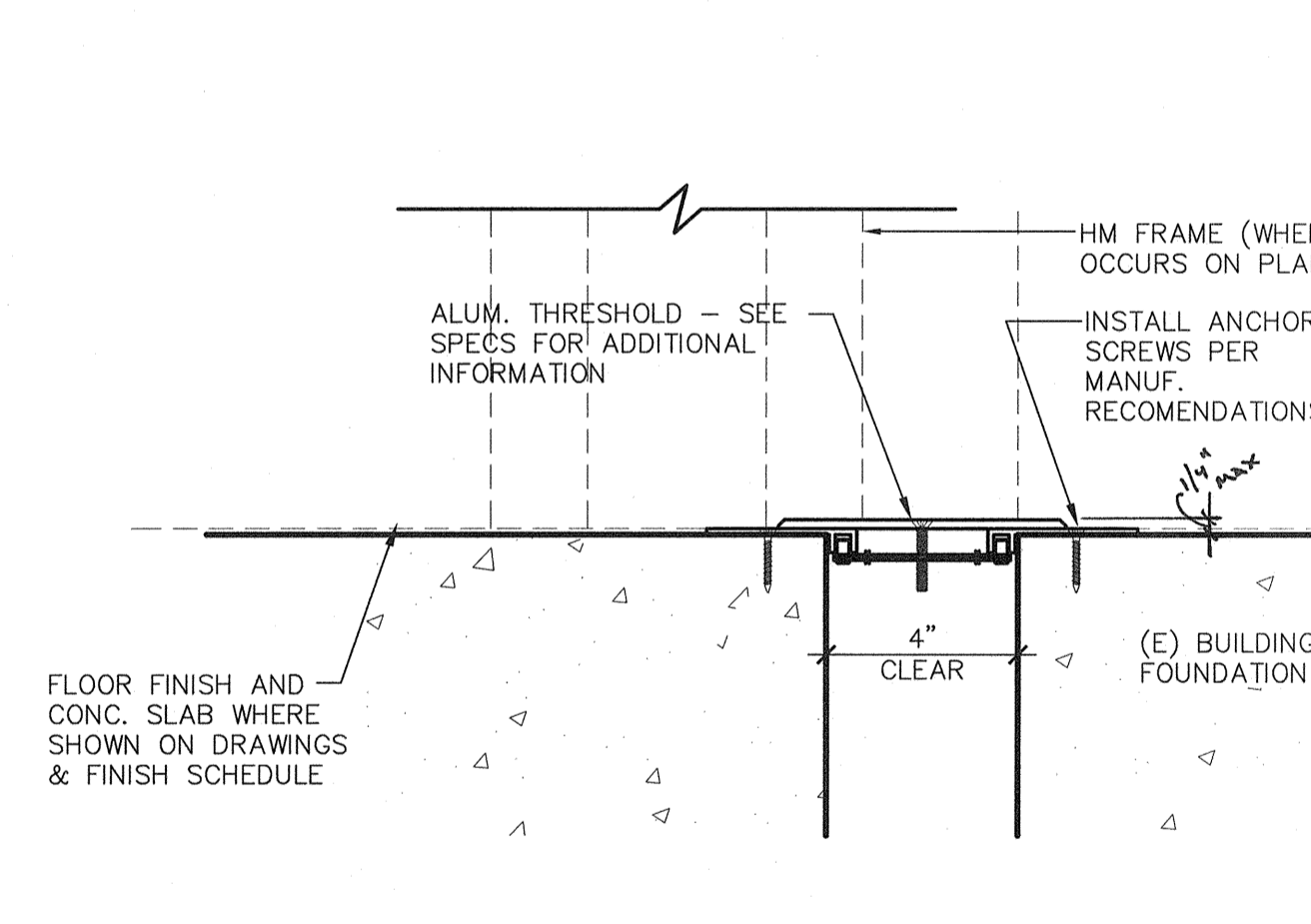


**12 CONC. CURB & WALL SILL DETAIL**  
 A7.01 ADF100-01 SCALE: 3" = 1'-0"

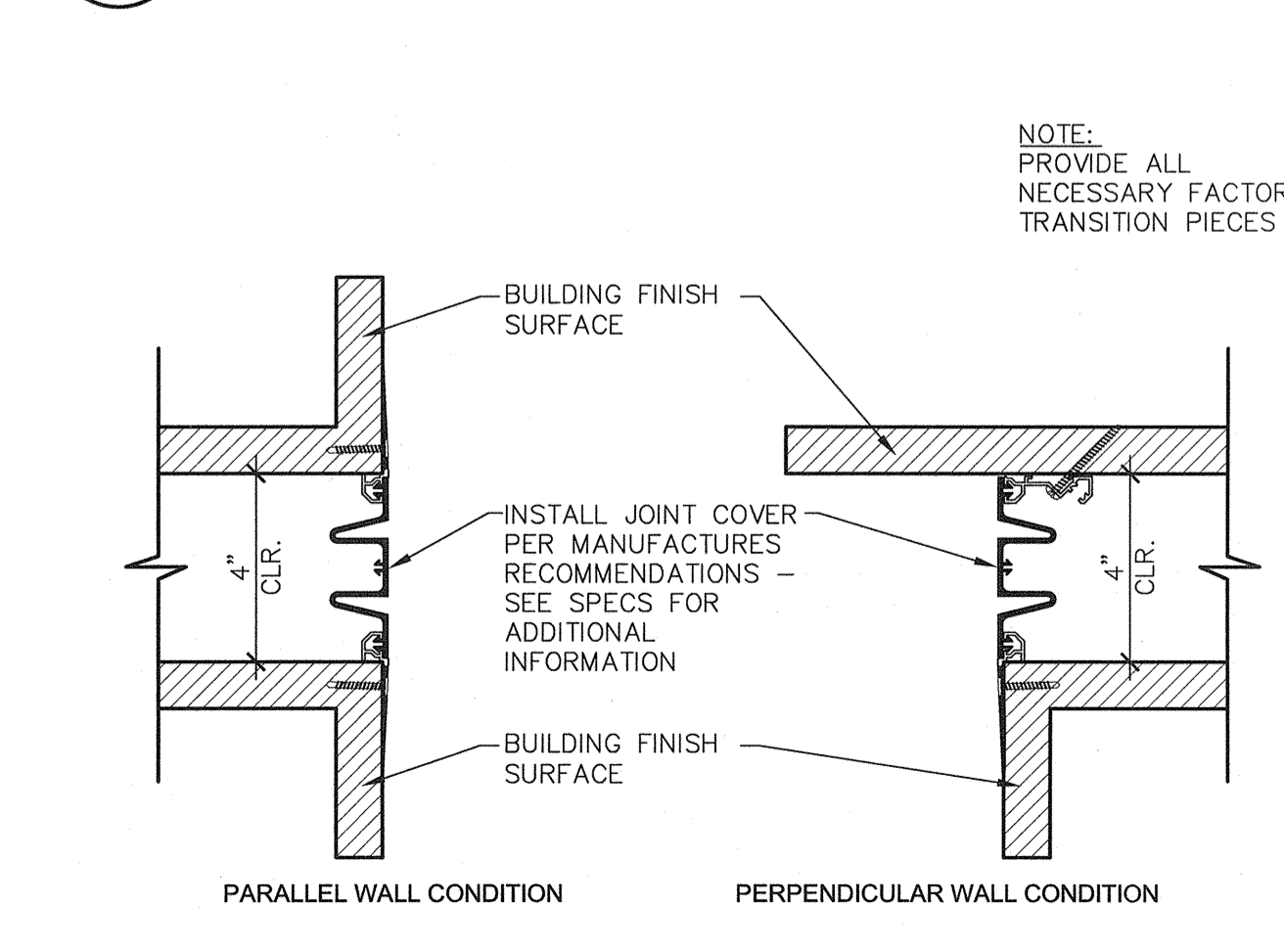
**5 EXTERIOR DOOR HEAD**  
 A7.01 ADD141-05 SCALE: 3" = 1'-0"



**6 EXTERIOR DOOR JAMB**  
 A7.01 ADD141-06 SCALE: 3" = 1'-0"

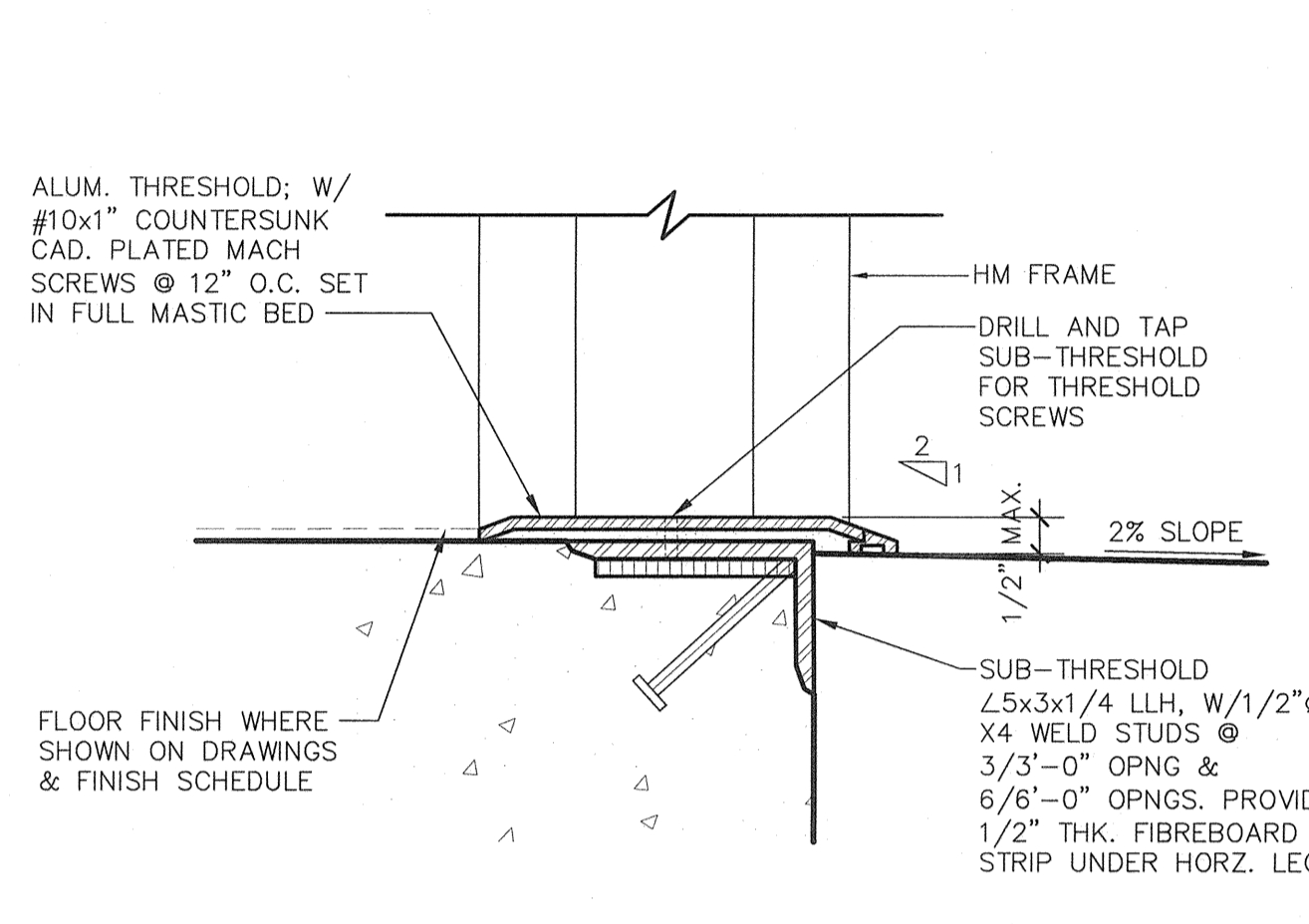


**7 SEISMIC EXPANSION THRESHOLD**  
 A7.01 ADD141-09 SCALE: 3" = 1'-0"

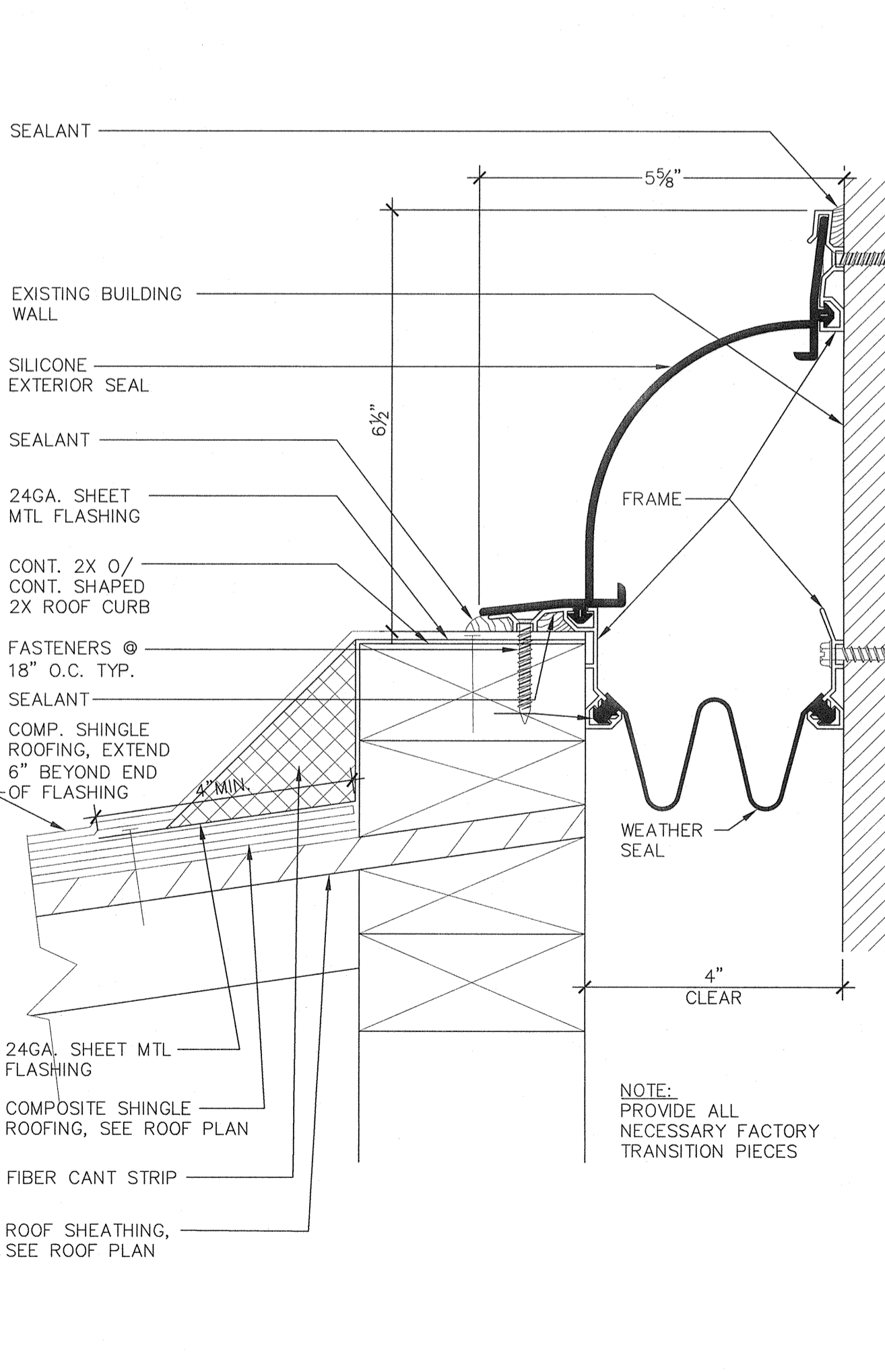


**8 VERTICAL SEISMIC COVER**  
 A7.01 ADD141-08 SCALE: 3" = 1'-0"

**1 TYPICAL DOOR CONNECTION DETAIL**  
 A7.01 ADD141-03 SCALE: 1/4" = 1'-0"



**2 EXTERIOR THRESHOLD DETAIL**  
 A7.01 ADD141-04 SCALE: 3" = 1'-0"



**4 ROOF FLASHING @ EXISTING WALL**  
 A7.01 ADR100-02 SCALE: 6" = 1'-0"

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**EXTERIOR DETAILS**

**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA

Sheet Title: EXTERIOR DETAILS  
 Issue Date: 07/20/12  
 Date: 07/31/12  
 Designer: [Signature]  
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 PC: CJM

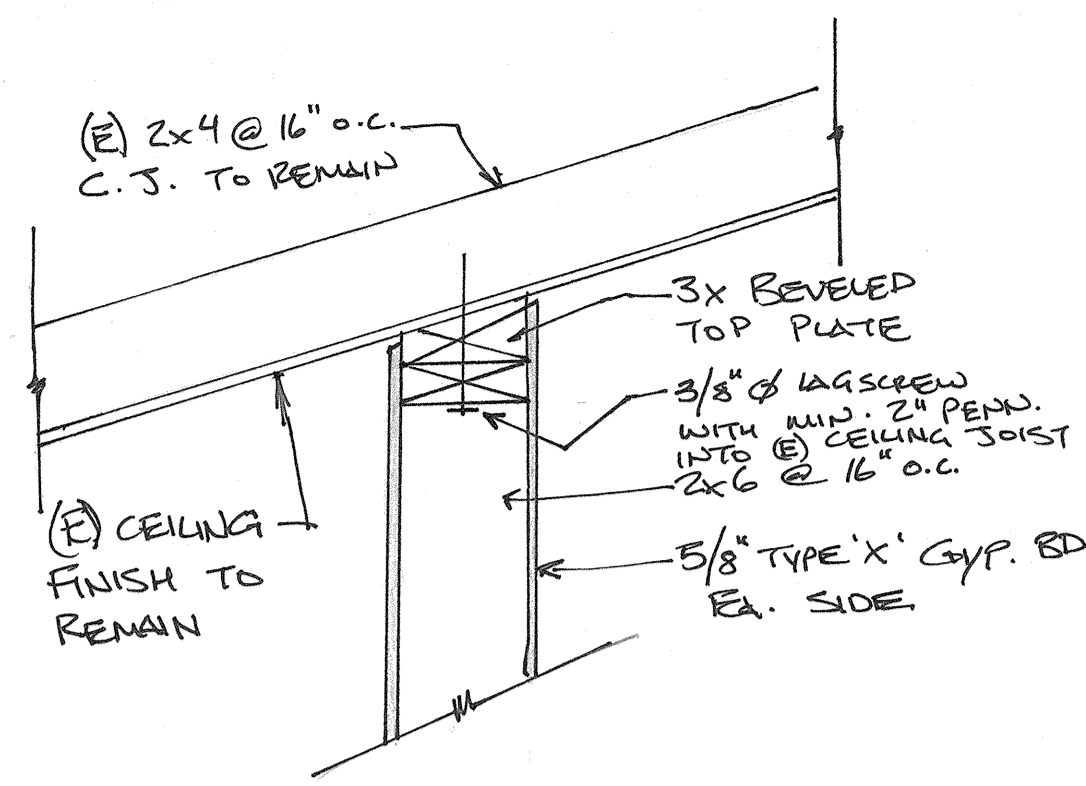
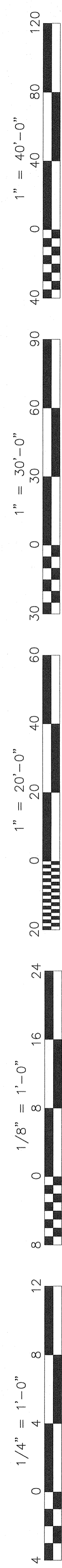
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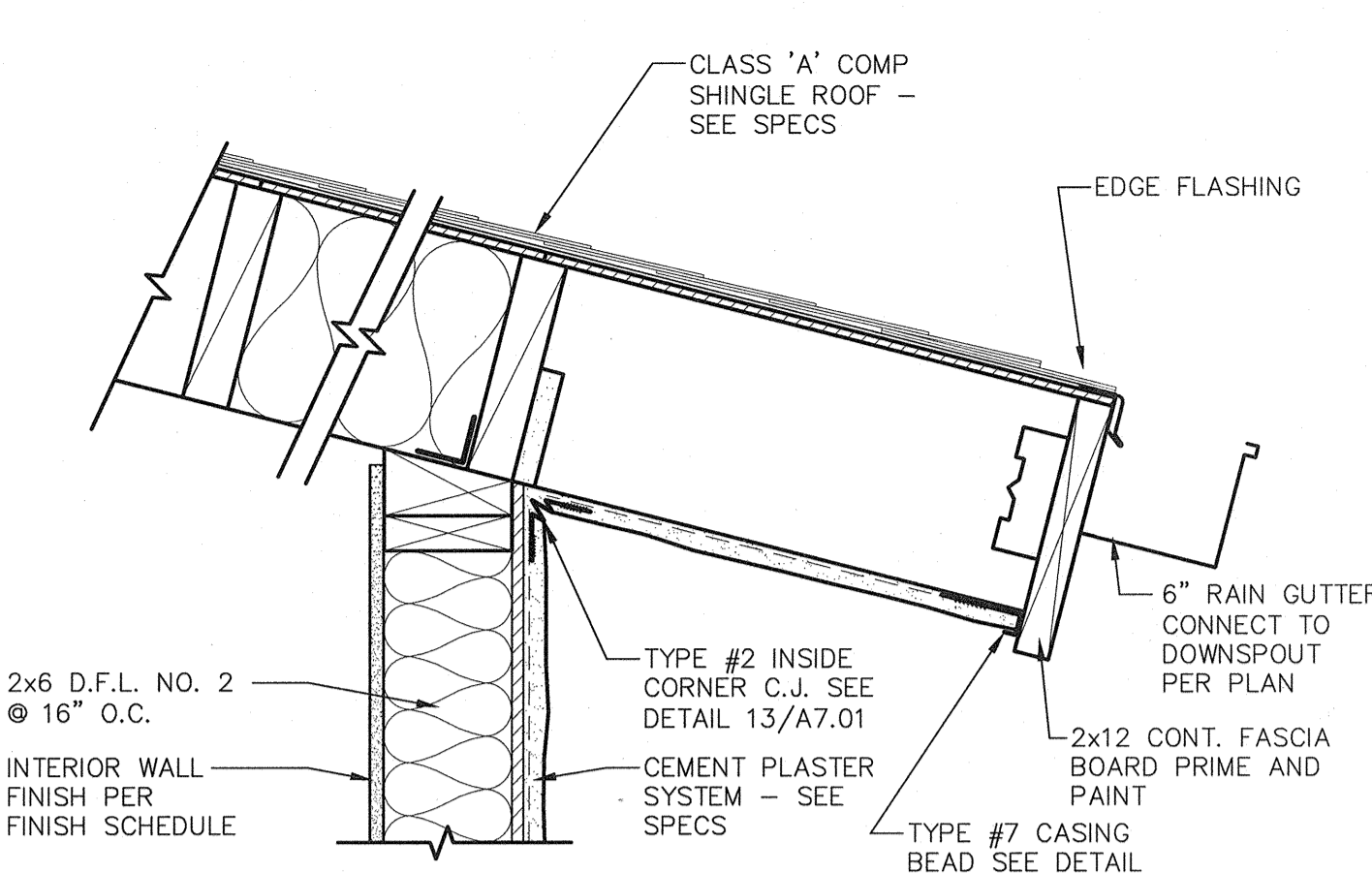
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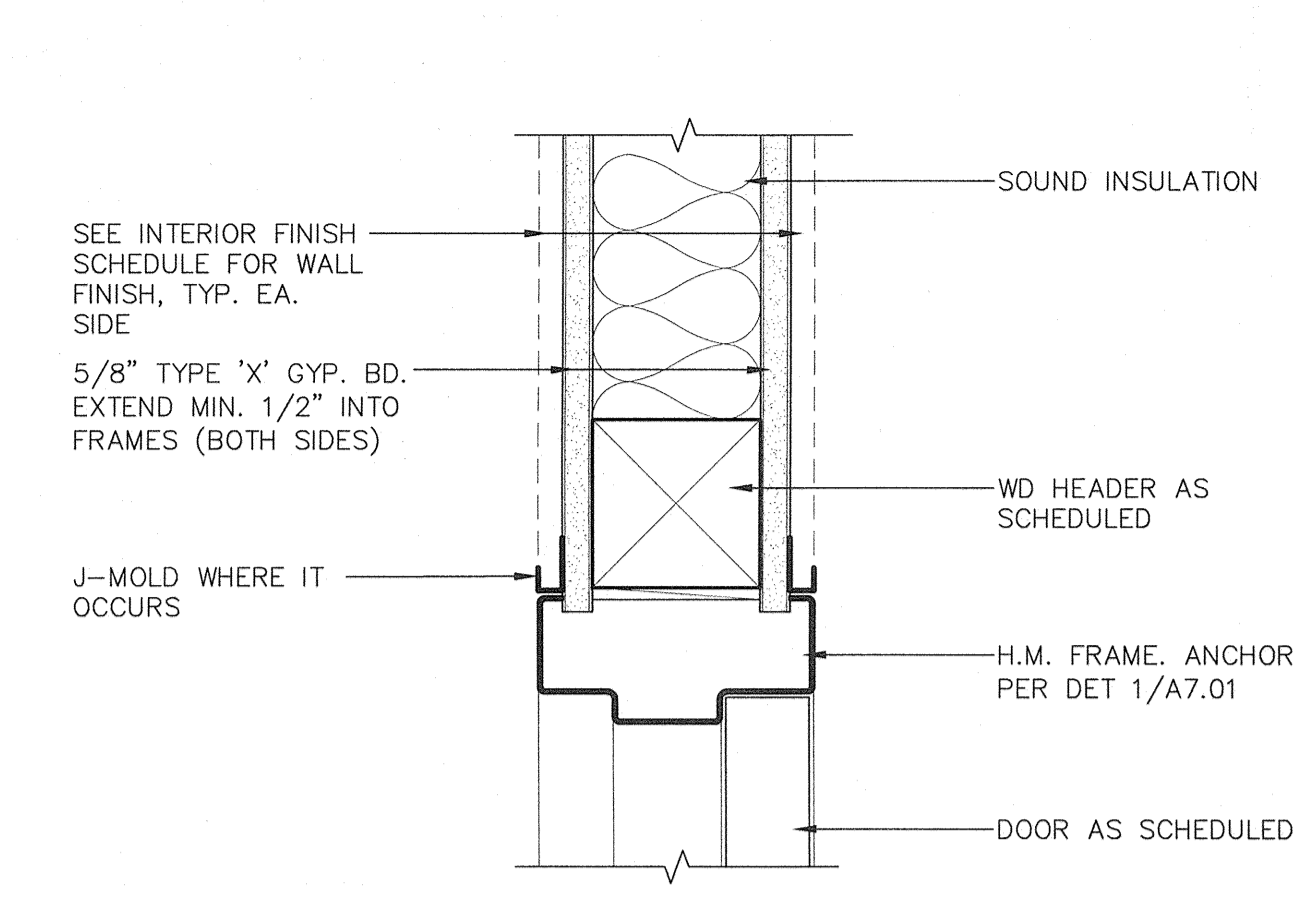
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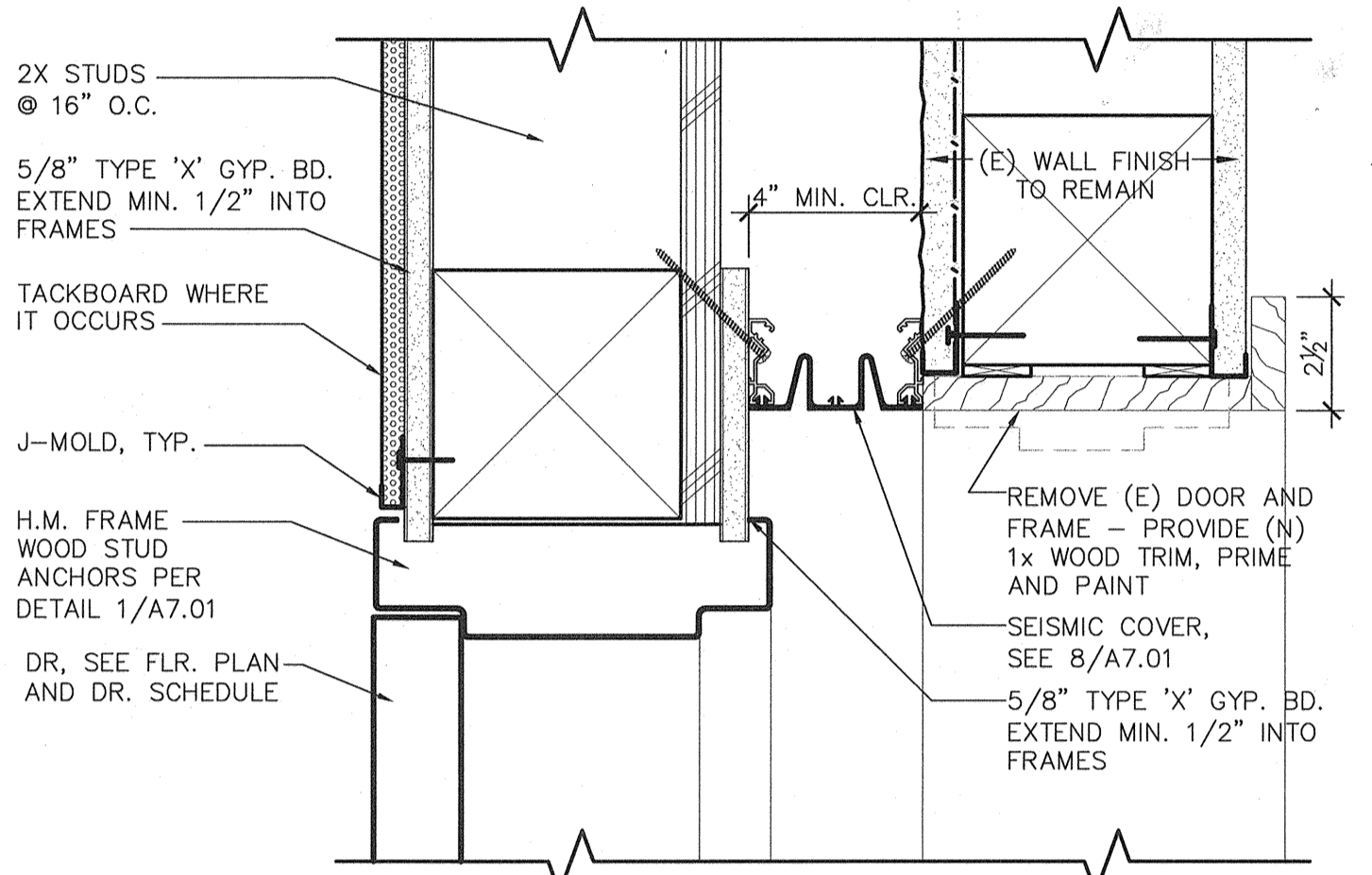
**9 CEILING CONNECTION @ (E) STAGE**  
 A8.01 SCALE: 1 1/2" = 1'-0"



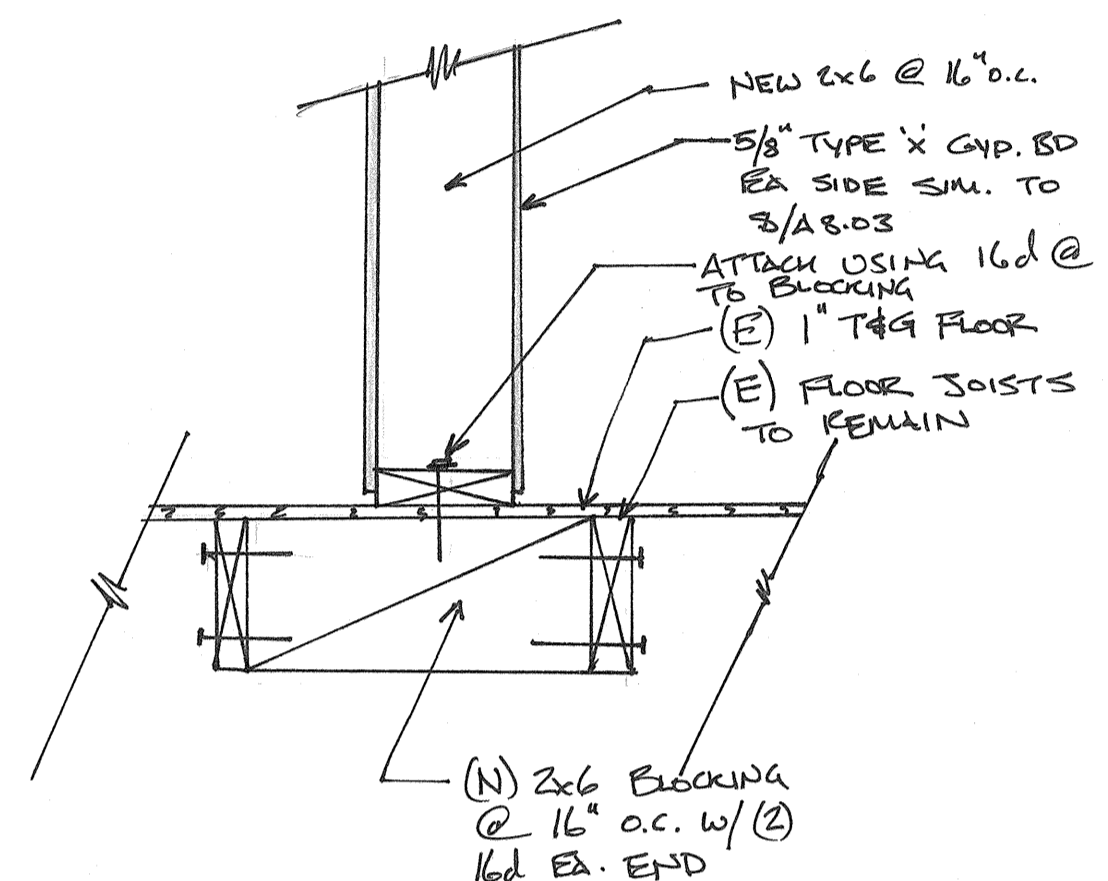
**5 LOW EAVE**  
 A8.01 ADW141-05 SCALE: 1 1/2" = 1'-0"



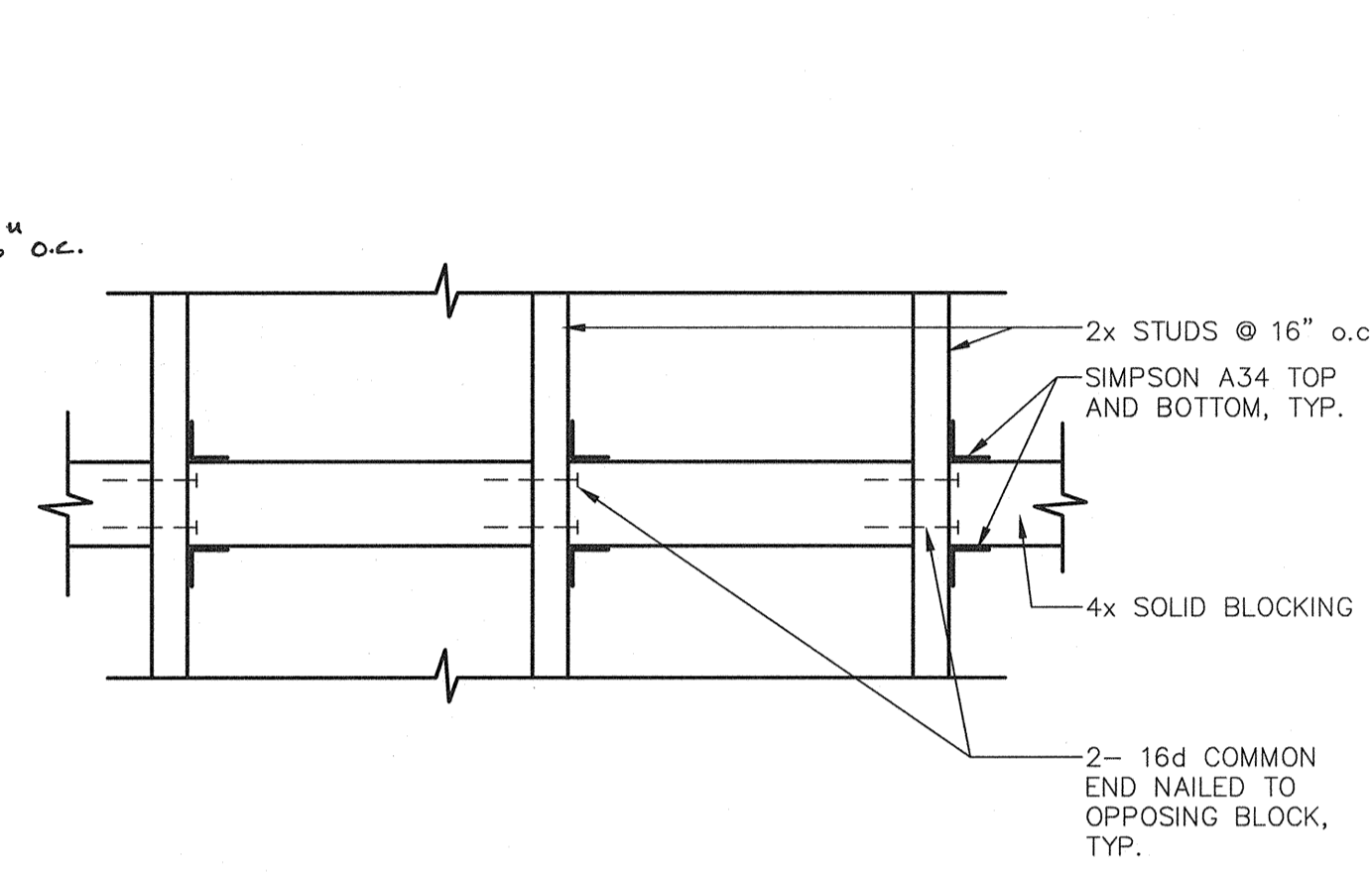
**1 INTERIOR H.M. FRAME DOOR HEAD**  
 A8.01 ADD245-01 SCALE: 3" = 1'-0"



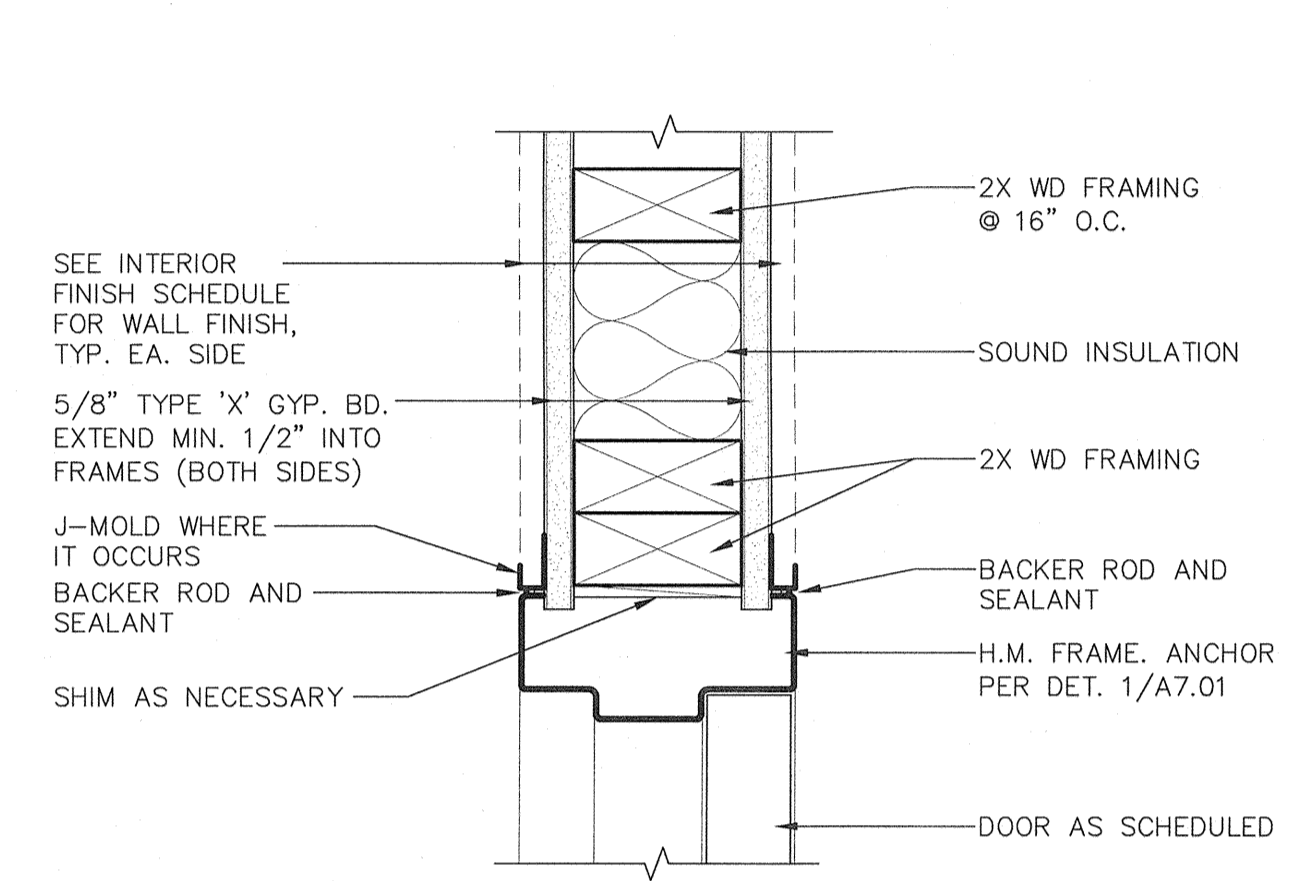
**14 DOOR HEAD SEISMIC JOINT**  
 A8.01 ADD141-10 SCALE: 3" = 1'-0"



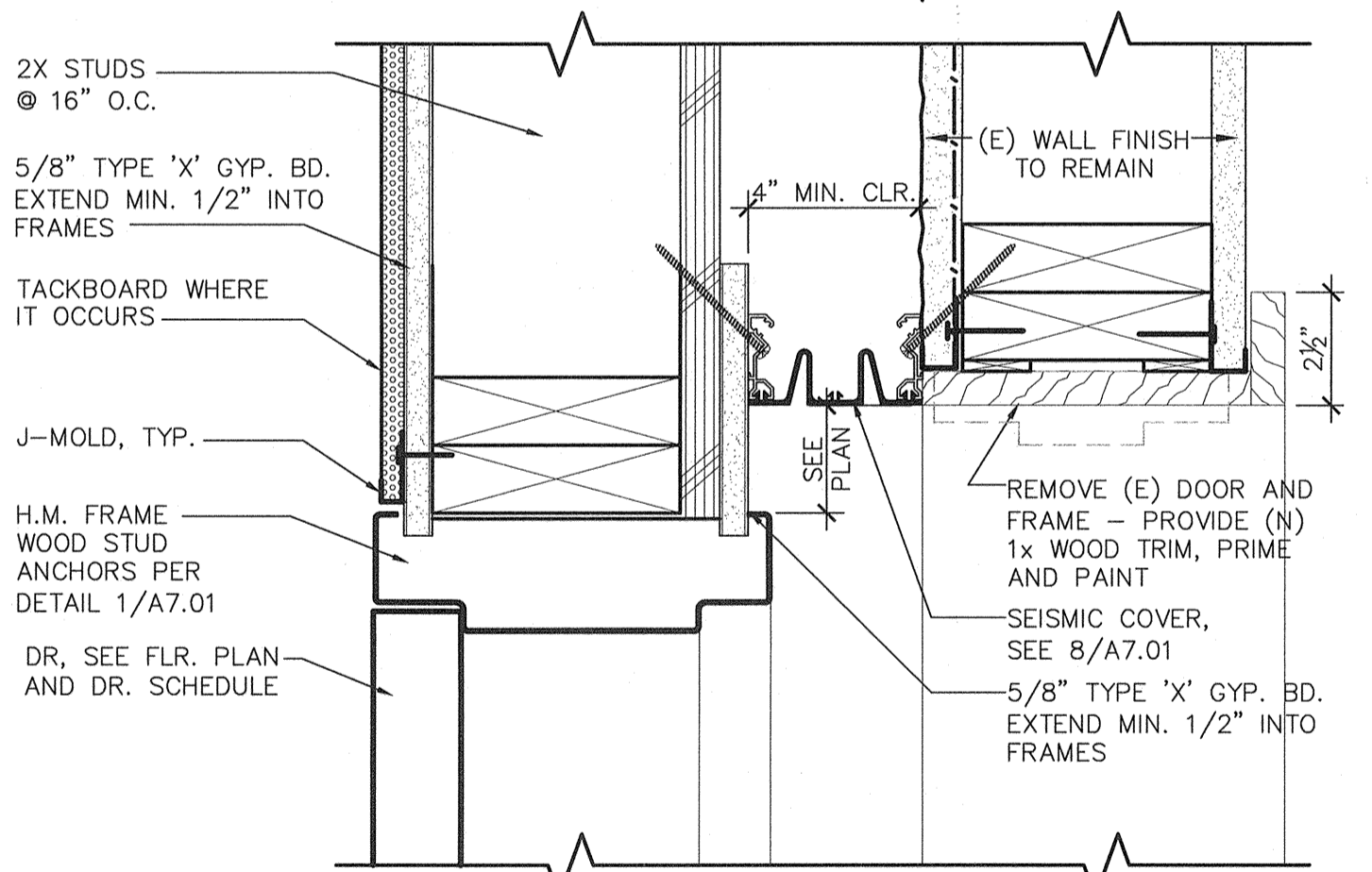
**10 FLOOR CONNECTION @ (E) STAGE**  
 A8.01 SCALE: 1 1/2" = 1'-0"



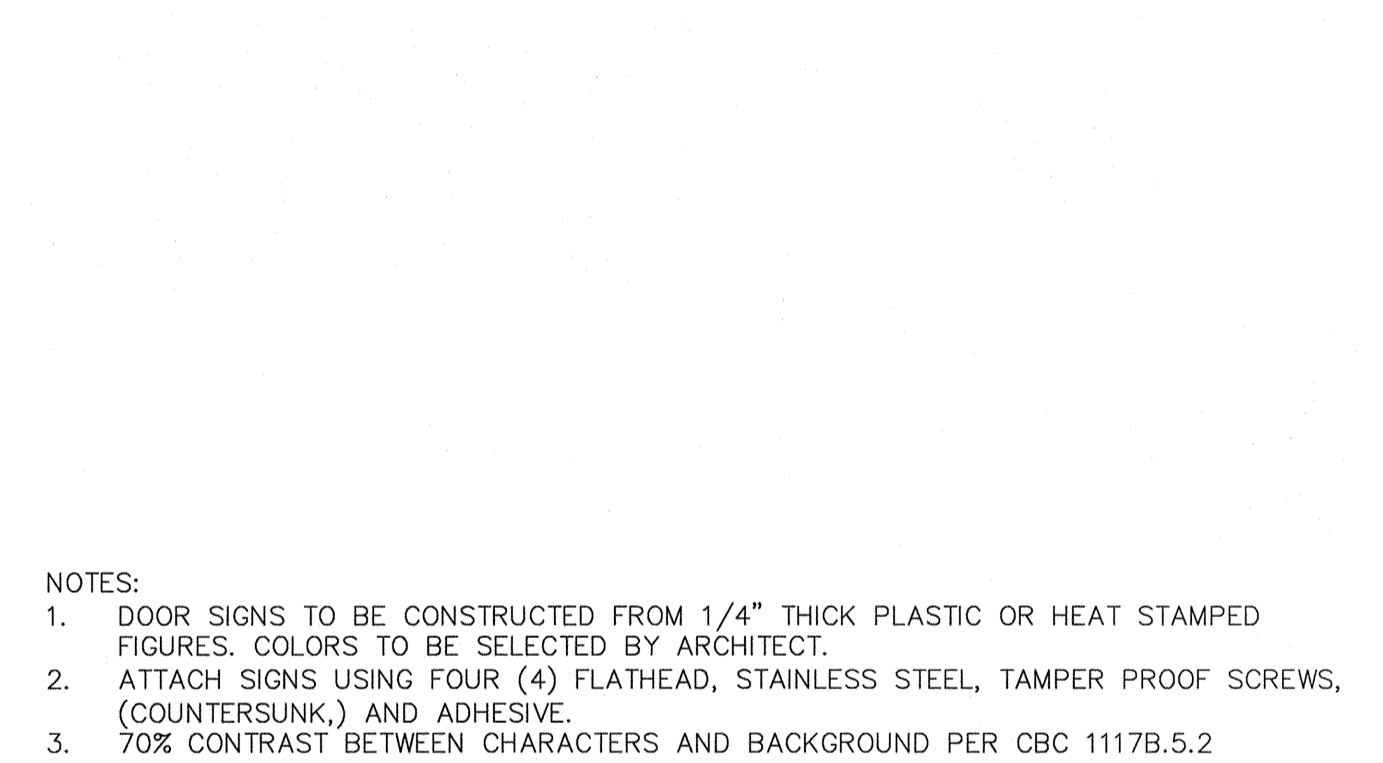
**6 TYPICAL BACKING @ WOOD STUDS**  
 A8.01 ADW244-03 SCALE: 1 1/2" = 1'-0"



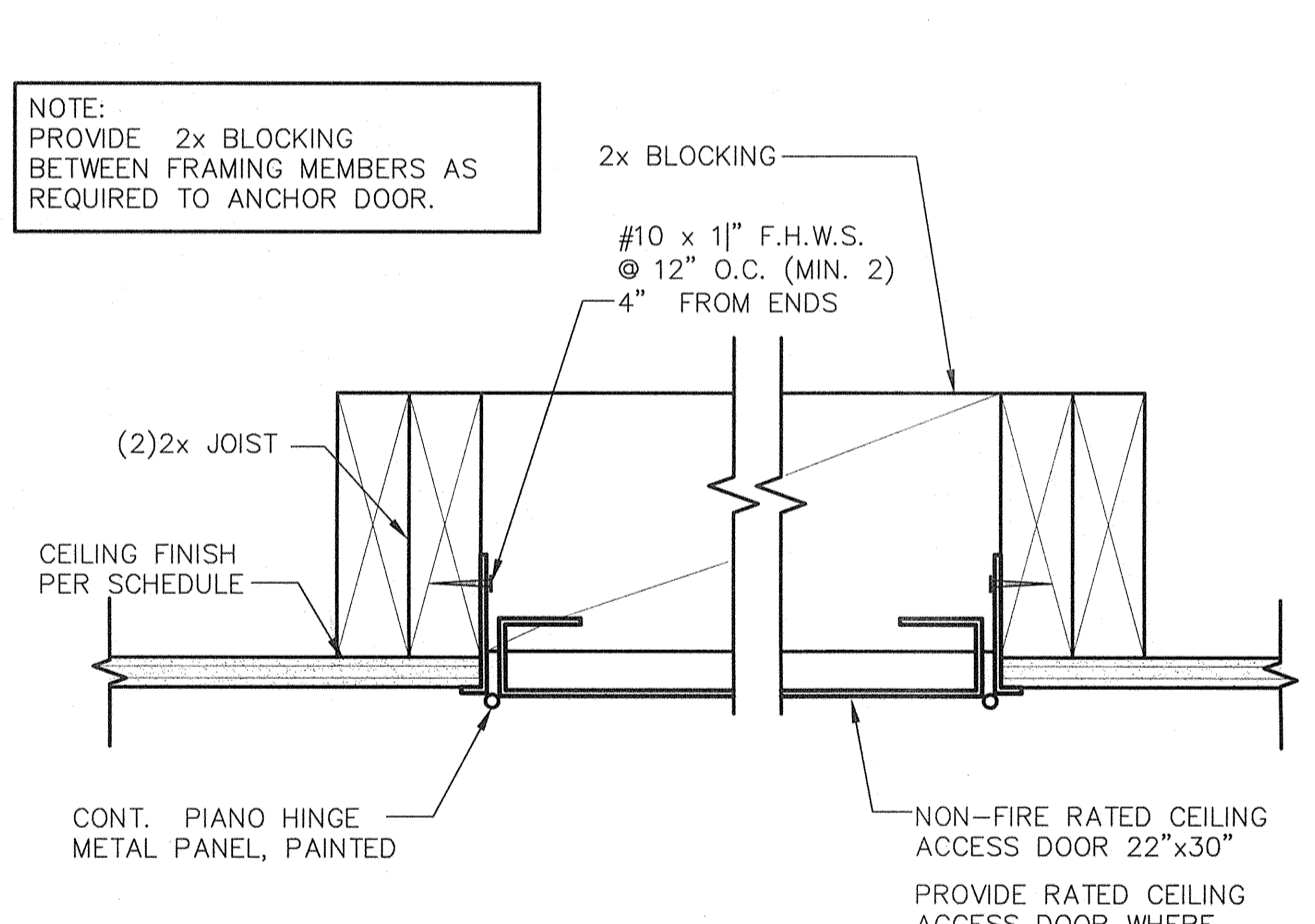
**2 INTERIOR H.M. FRAME DOOR JAMB**  
 A8.01 ADD245-02 SCALE: 3" = 1'-0"



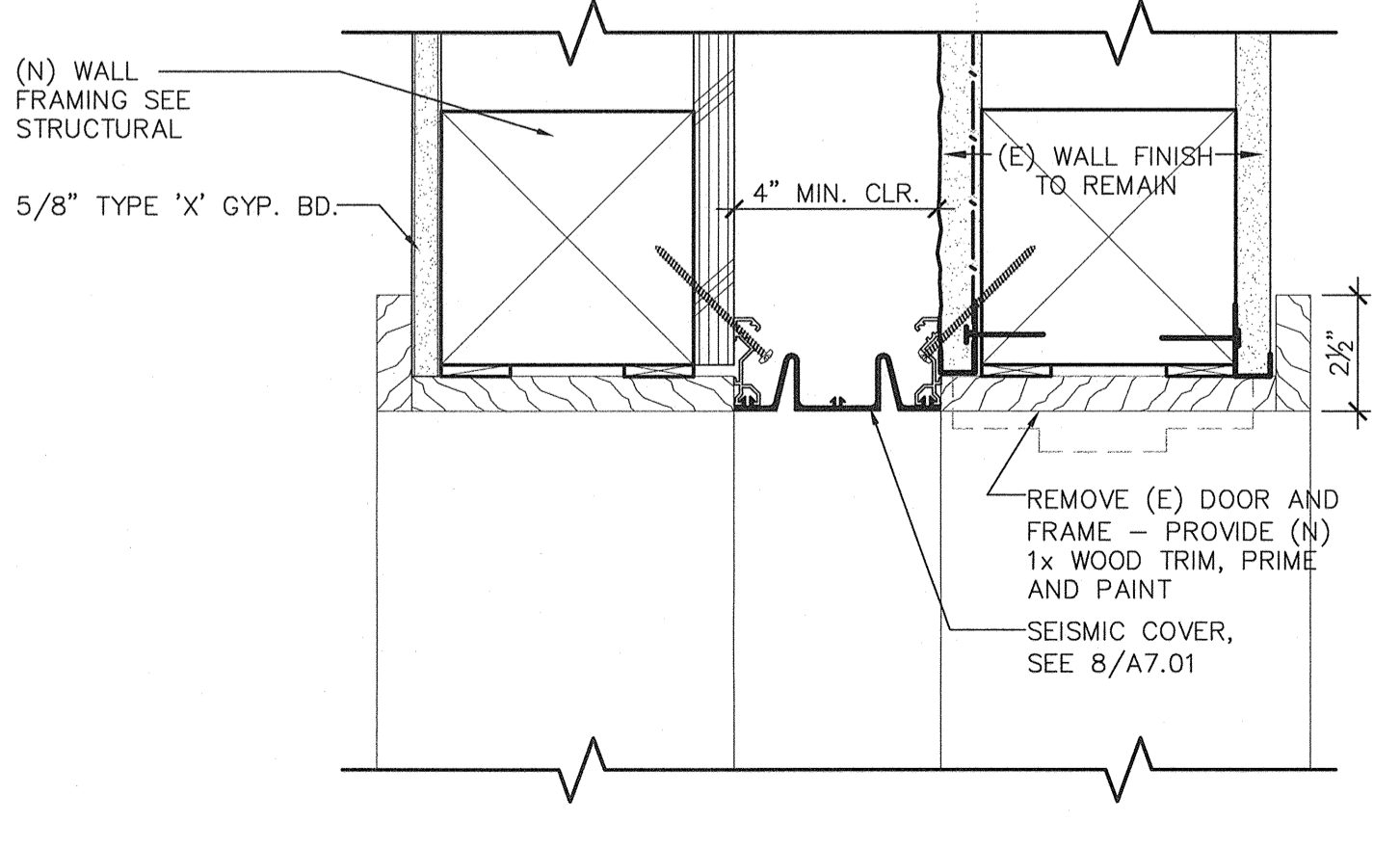
**15 DOOR JAMB SEISMIC JOINT**  
 A8.01 ADD141-11 SCALE: 3" = 1'-0"



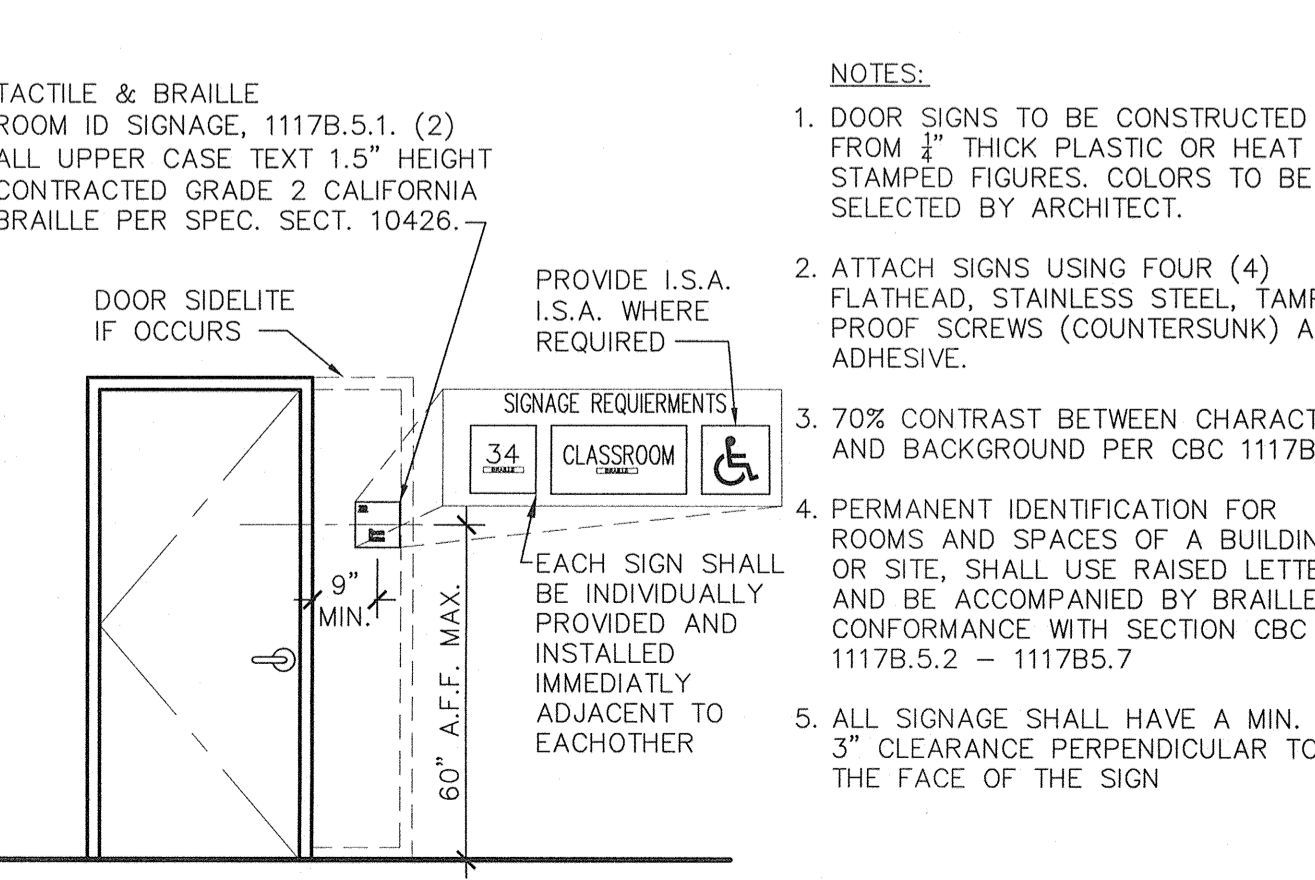
**8 TYPICAL EXTERIOR DOOR SIGNAGE**  
 A8.01 ADA200-13 SCALE: 3/8" = 1'-0"



**3 CEILING ACCESS DOOR**  
 A8.01 ADC234-05 SCALE: 3" = 1'-0"



**16 CASIED OPENING SEISMIC COVER HEAD (JAMB SIM)**  
 A8.01 ADD141-12 SCALE: 3" = 1'-0"



**4 ROOM ID SIGNAGE**  
 A8.01 ADA100-25 BCSD SCALE: N.T.S.

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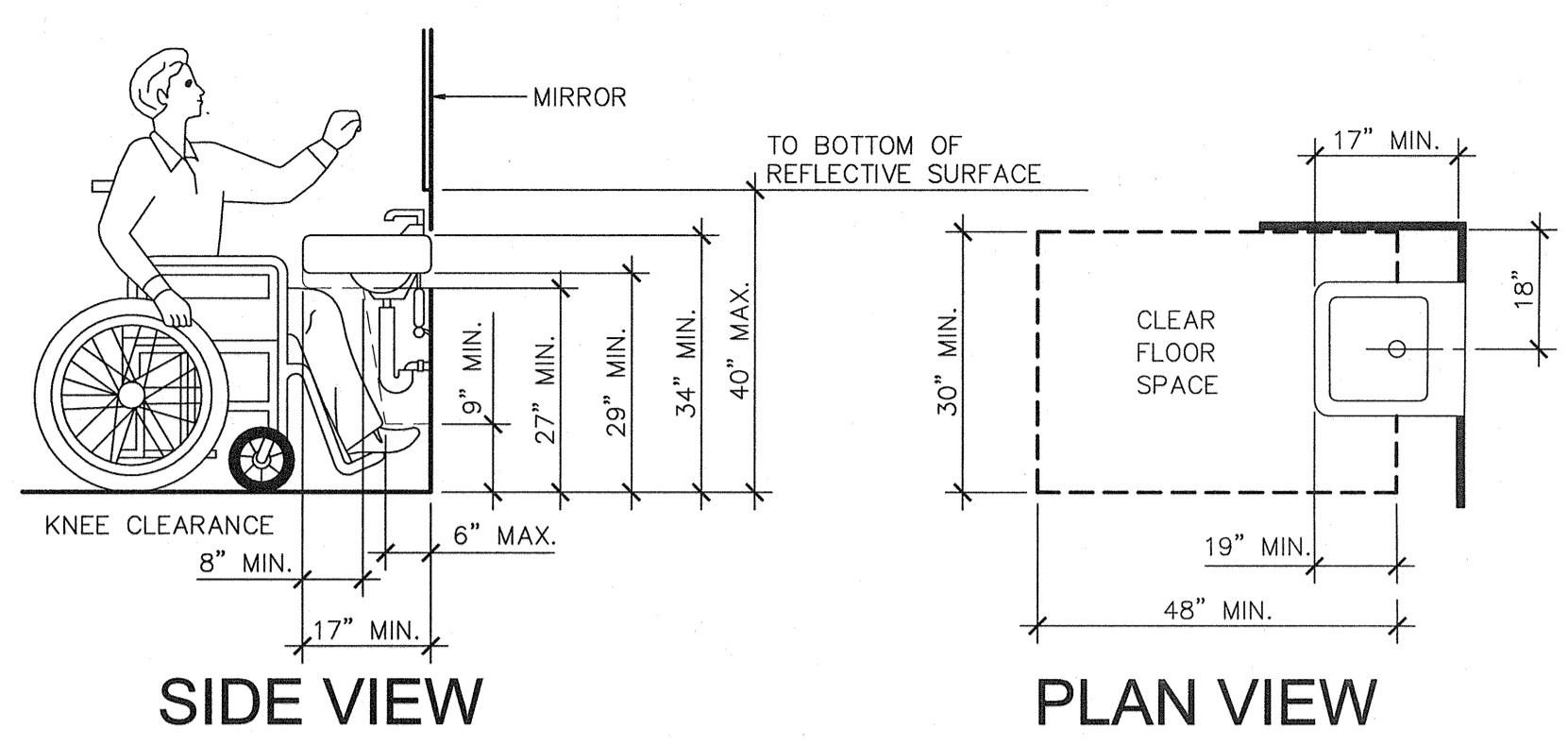
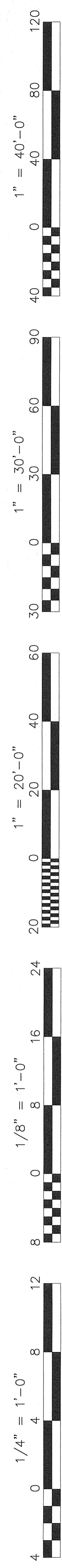
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 601 N. Fresno, Suite 130 - Fresno, California 93710  
 Phone (559) 436-0887 Fax (559) 436-0887 E-mail: design@somam.com  
 www.integrateddesign.com

INTERIOR DETAILS  
 MT. VERNON ELEMENTARY SCHOOL  
 KITCHEN ADDITION  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA

Issue Date: 07/20/12  
 Date: 07/31/12  
 Designer: [Signature]  
 DR: [Signature]  
 PC: CJM

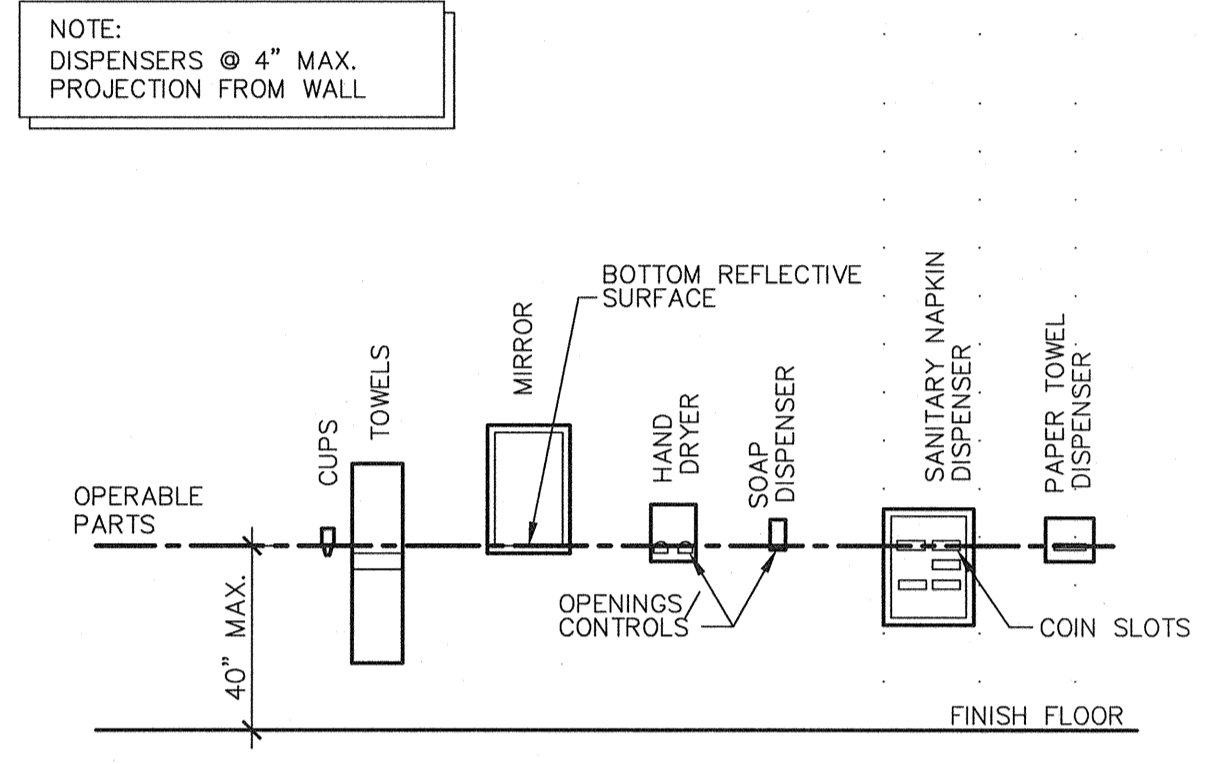
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 FILE # 15-6  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 03-114521  
 AC [Signature] FL [Signature] SS [Signature]  
 DATE 8/1/12  
 TRACKING #: 63321-118

Job No.: 3990  
 Sheet No.: A8.01  
 Release: -

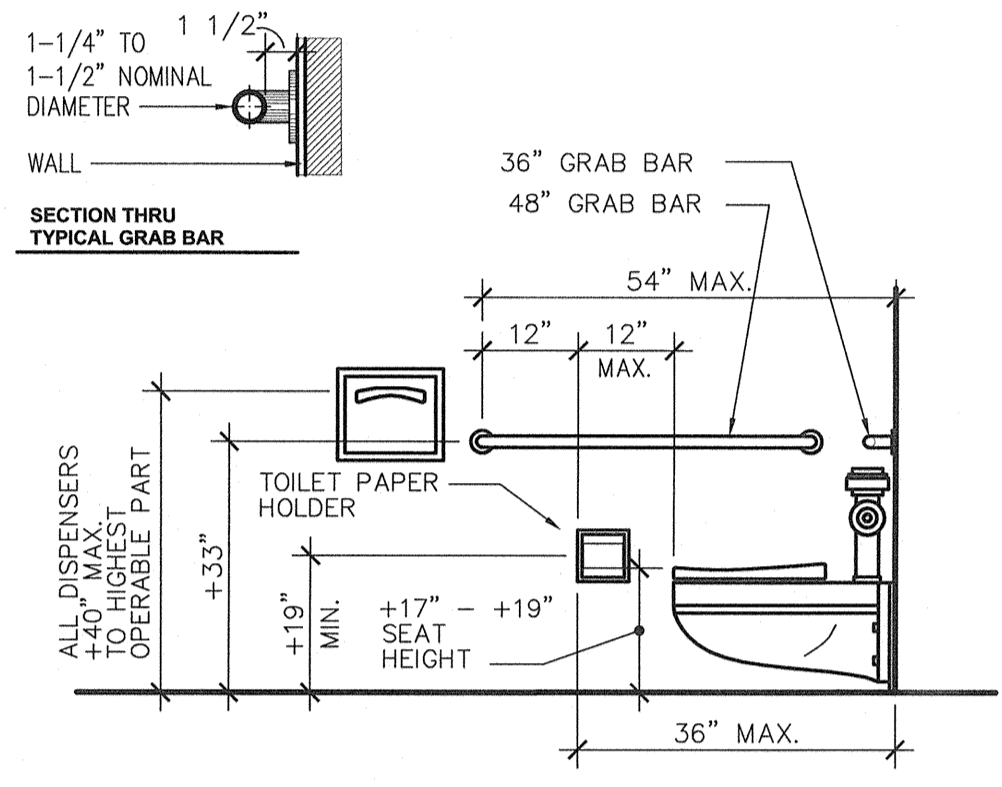


**1 CBC FIGURE 11B-1D - KNEE CLEARANCE @ ACCESSIBLE LAVATORY**  
 ADA200-10 SCALE: 1/2" = 1'-0"

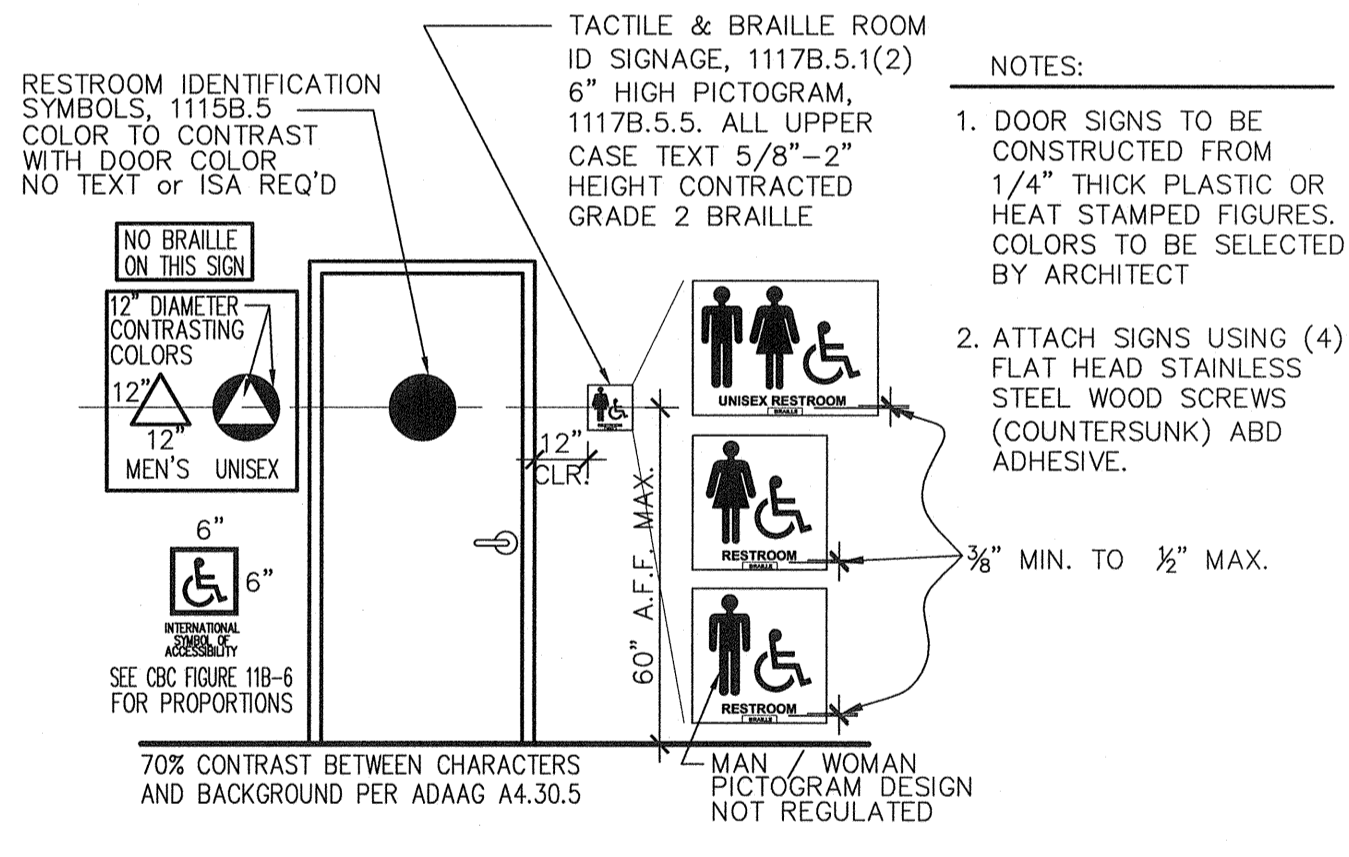
- NOTES:**
1. NO SHARP OR ABRASIVE SURFACES SHALL BE PRESENT UNDER LAVATORIES.
  2. ALL PIPES UNDERNEATH LAVATORIES SHALL BE INSULATED TO PROTECT AGAINST CONTACT FROM THE PERSONS USING THE FIXTURE. (REFER TO SPECIFICATIONS)
  3. THE LOWER REFLECTIVE EDGE OF MIRRORS SHALL NOT EXCEED 40 INCHES ABOVE THE FINISHED FLOOR.
  4. ACCEPTABLE FAUCETS SHALL INCLUDE PUSH ELECTRONIC AND LEVER MECHANISM. FAUCETS WITH SELF-CLOSING VALVES SHALL REMAIN OPEN FOR NO LESS THAN 10 SECONDS. SEE PLUMBING DRAWINGS.
  5. ACCESSIBLE FAUCET CONTROLS SHALL BE PUSH TYPE WITH 5 LBS MAX. OPERATING FORCE.



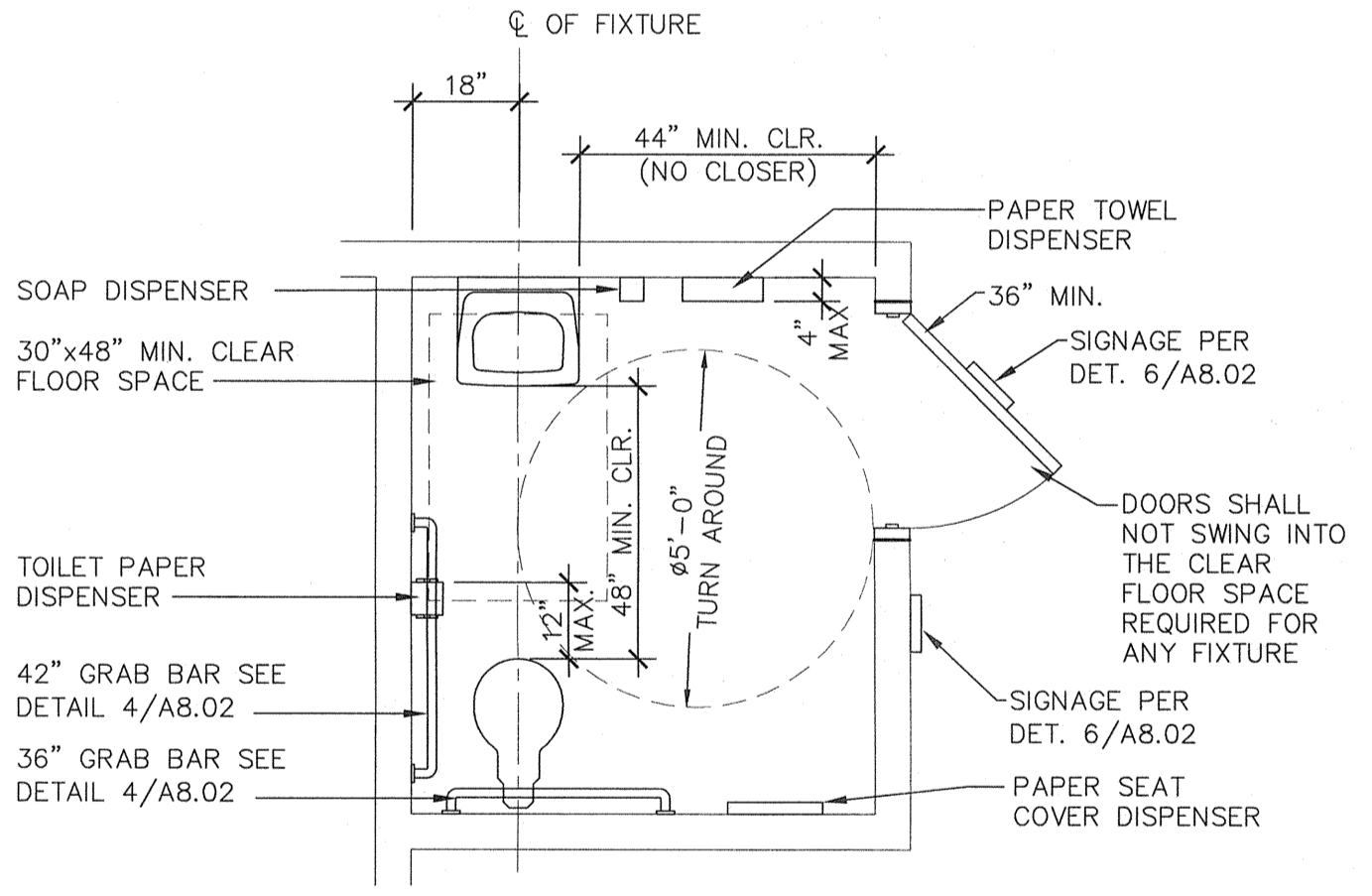
**5 MOUNTING HEIGHTS FOR TOILET RM ACCESSORIES**  
 ADA200-13 SCALE: 1/2" = 1'-0"



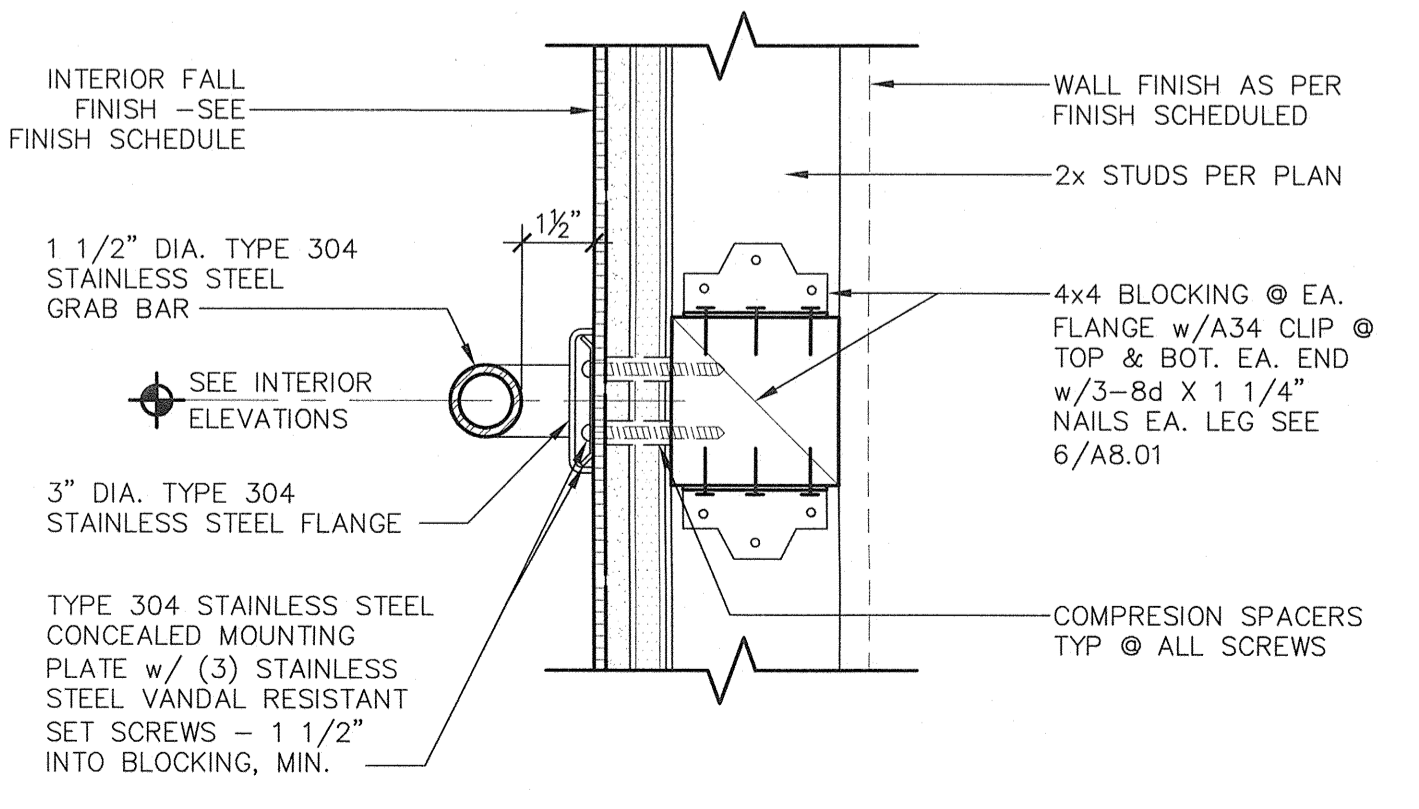
**2 ACCESSIBLE MOUNTING HEIGHTS**  
 ADA200-12 SCALE: 1/2" = 1'-0"



**6 RESTROOM SIGNAGE**  
 ADA200-03 SCALE: 1" = 1'-0"



**3 MINIMUM ACCESSIBLE SINGLE OCCUPANCY TOILET**  
 ADA200-03 SCALE: 3/8" = 1'-0"



**4 GRAB BAR ANCHORAGE**  
 ADM246-01 SCALE: 3" = 1'-0"

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 Phone (559) 438-0881 Fax (559) 438-0887 E-Mail: design@somam.com  
 www.integrateddesigns.com

Rev. Date:	Revision Description:

**INTERIOR DETAILS**

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA.

Sheet Title: INTERIOR DETAILS

Issue Date: 07/20/12  
 Date: 07/31/12  
 Designer: [Signature]  
 DR: [Signature]  
 PC: CJM

Agency Approval Stamp:

FILE # 15-6  
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03-114521  
 AC [Signature]  
 DATE 5/1/12  
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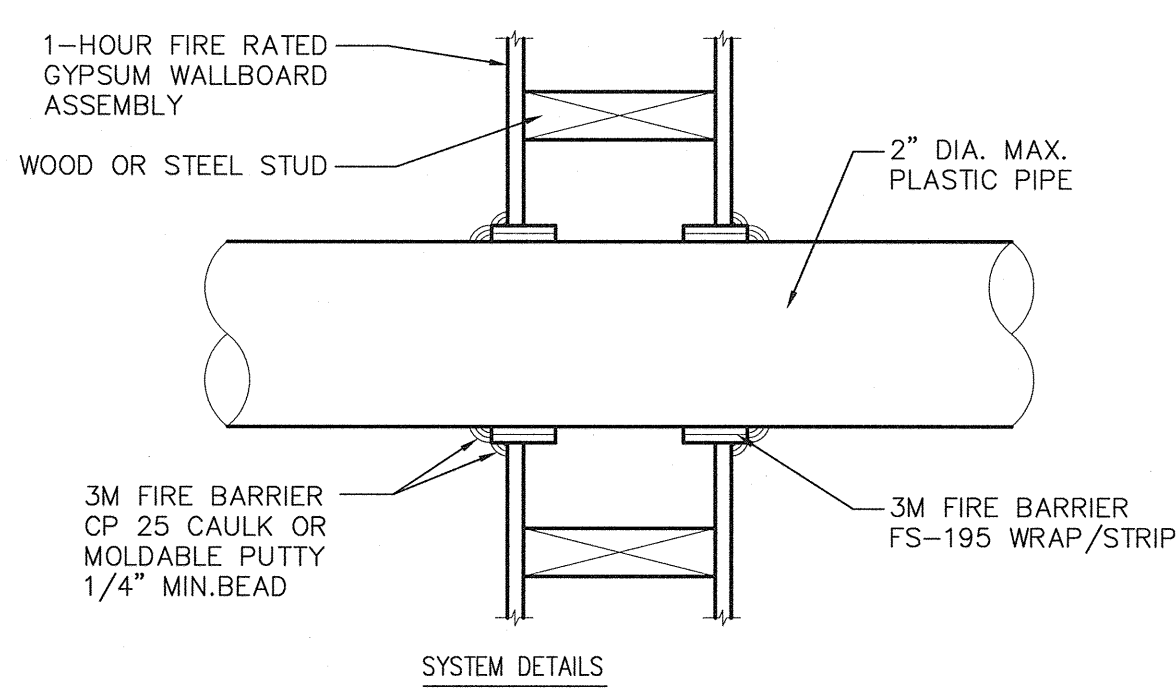
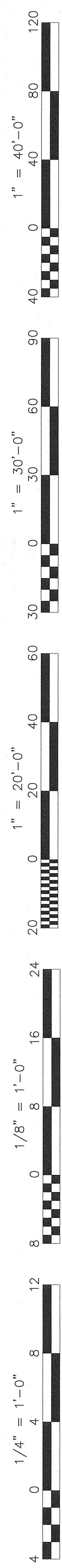
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Professional Seal:  
 CURTIS E. McNALLY  
 No. C 28966  
 STATE OF CALIFORNIA

Job No.: **3990**

Sheet No.: **A8.02**

Release: -



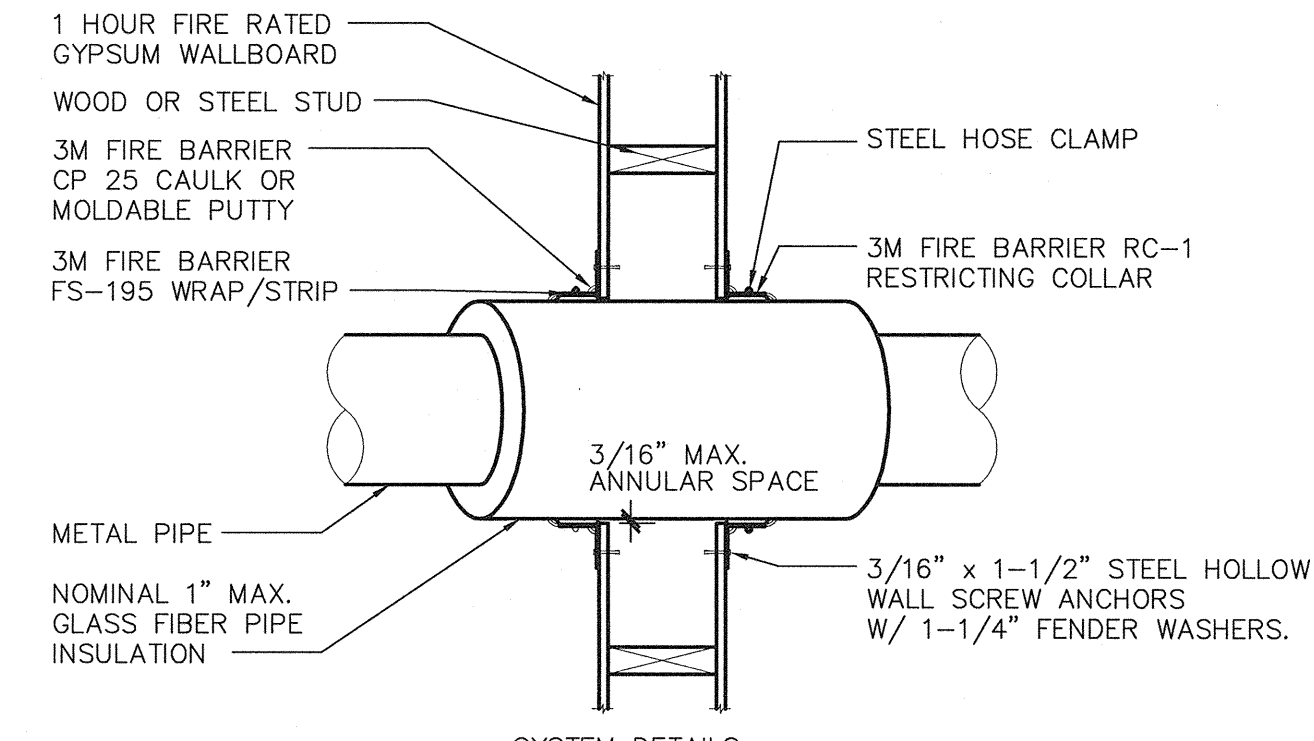
- DRAWING NO.: 5300-PPG26.03
- SYSTEM JUSTIFICATION: UL THROUGH-PENETRATION FIRESTOP SYSTEM NO. W-L-2003, CONFIGURATION B, PER ASTM E 814 (ANSI/UL 1479) FIRE TEST.
- ASSEMBLY: 1 HR. RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY.
- RATINGS: F - 1 HR., T - 1 HR.
- PENETRATING ITEM(S):
  - NOMINAL 2-IN. DIAMETER (OR SMALLER) SCH. 40 (OR HEAVIER) PVC PIPE IN CLOSED OR VENTED SYSTEM
  - NOMINAL 2-IN. DIAMETER (OR SMALLER) SDR11 (OR HEAVIER) POLYBUTYLENE (PB) PIPES IN CLOSED CLOSED OR VENTED SYSTEM.
  - NOMINAL 2-IN. DIAMETER (OR SMALLER) SCH40 (OR HEAVIER) POLYPROPYLENE (PP) PIPE IN CLOSED CLOSED OR VENTED SYSTEM.

**APPLICATION DETAILS**

- INSTALL THE FIRESTOP SYMMETRICALLY ON BOTH SIDES OF THE WALL ASSEMBLY.
- THE ANNULAR SPACE AROUND THE PIPE, PRIOR TO THE INSTALLATION OF THE 3M FIRE BARRIER FS-195 WRAP/STRIPS, SHALL BE 1/4 INCH TO 3/8 INCH. IF THE ANNULAR SPACE AROUND THE PIPE IS GREATER THAN 1/4 IN. AFTER THE APPLICATION OF THE FS-195 WRAP/STRIPS, INSTALL ADDITIONAL FS-195 WRAP/STRIPS UNTIL THE ANNULAR SPACE IS LESS THAN 1/4 INCH.
- WHEN USING 3M FIRE BARRIER CP25N/S CAULK FOR SEALING PRESSURIZED PIPE PLACE A WRAP OF FOIL TAPE IN THE CAULK CONTACT AREA. NO FOIL BARRIER IS NECESSARY WHEN USING CP25WB CAULK OR MOLDABLE PUTTY
- TIGHTLY WRAP THE FS-195 WRAP/STRIP AROUND THE PLASTIC PIPE FOIL SIDE OUT. SECURE WITH TAPE OR STEEL TIE WIRE
- SLIDE TH FS-195 WRAP/STRIP INTO THE OPENING LEAVING APPROXIMATELY 3/4 INCH EXPOSED BEYOND THE WALL SURFACE
- SEAL THE SYSTEM WITH A 1/4 INCH BED OF 3M FIRE BARRIER CP 25 CAULK OR MOLDABLE PUTTY AT THE WALL/FS-195 WRAP/STRIP INTERFACE AND TH PIPE/FS-195 WRAP/STRIP INTERFACE.

**10 PLASTIC PIPE / CONDUIT PENETRATIONS THROUGH 1-HR RATED WALLS (2" MAXIMUM DIAMETER)**

A8.03 EDW240-08 U.L. ASSEMBLY NO. WL2003 SCALE: 1' = 1'-0"



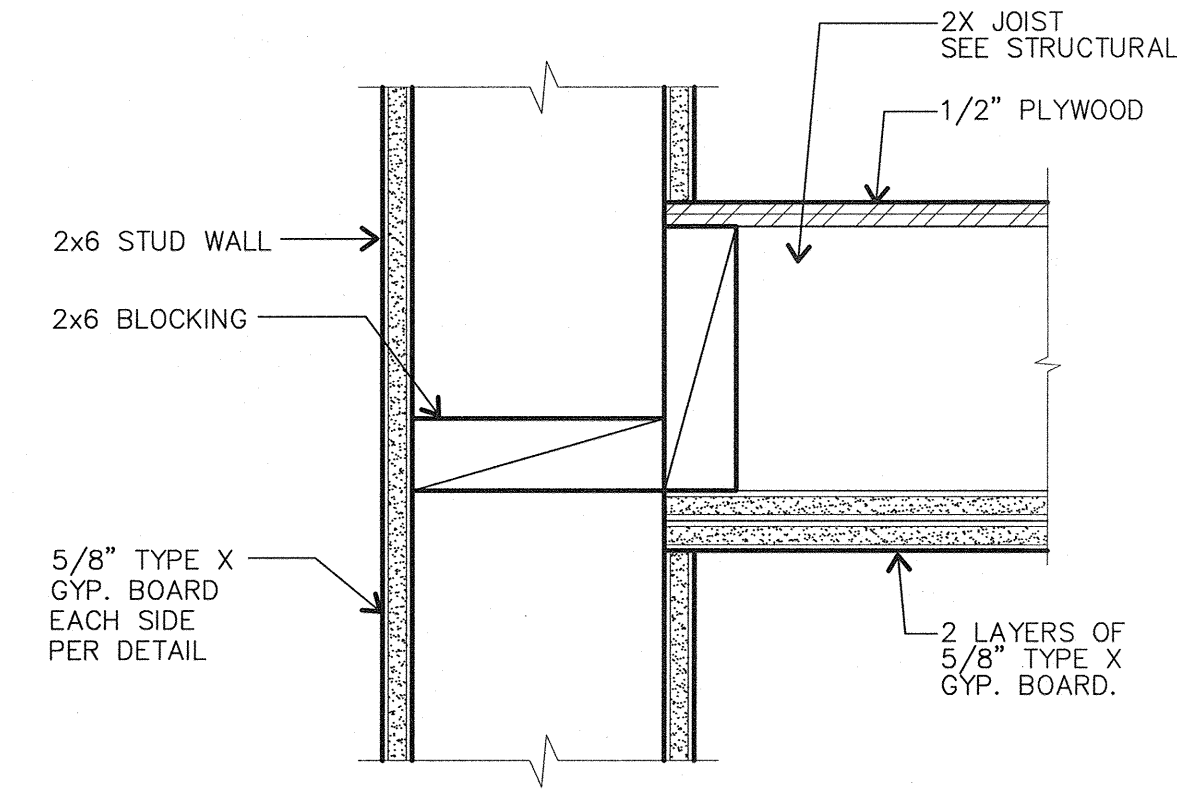
- DRAWING NO.: 5300-IPG25.05
- SYSTEM JUSTIFICATION: UL THROUGH-PENETRATION FIRESTOP SYSTEM NO. W-L-5002, CONFIGURATION C, PER ASTM E 814 (ANSI/UL 1479) FIRE TEST.
- ASSEMBLY: 1 HR. RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY. STEEL PIPES OR CONDUITS LARGER THAN NOMINAL 4-IN. DIAMETER MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS.
- RATINGS: F - 1 HR., T - 1 HR.
- PENETRATING ITEM(S): NOMINAL 4-IN. DIAMETER (OR SMALLER) SCH. 10 (OR HEAVIER) STEEL PIPE WITH A NOMINAL 1-IN. GLASS FIBER PIPE COVERING INSULATION.

**APPLICATION DETAILS**

- INSTALL THE FIRESTOP SYMMETRICALLY ON BOTH SIDES OF THE WALL ASSEMBLY.
- MINIMUM ANNULAR SPACE REQUIREMENTS IS 0 IN. MAXIMUM ANNULAR REQUIREMENT IS 3/16 IN.
- TIGHTLY WRAP THE 3M FIRE BARRIER FS-195 WRAP/STRIP, FOIL SIDE OUT, AROUND THE PIPE INSULATION WITH THE SEAM BUTTED. SECURE WITH STEEL TIE WIRE OR ALUMINUM FOIL TAPE. BUTT THE SECURED FS-195 WRAP/STRIP AGAINST THE WALL SURFACE.
- APPLY THE 3M FIRE BARRIER RC-1 RESTRICTING COLLAR. REMOVE ENOUGH RC-1 RESTRICTING COLLAR TO MAKE ONE WRAP AROUND THE APPLIED FS-195 WRAP/STRIP, WITH A MINIMUM 1-IN. OVERLAP. BEND THE MOUNTING TABS AWAY FROM THE INSULATED PIPE AT RIGHT ANGLES FLUSH WITH THE WALL SURFACE.
- FASTEN THE RC-1 RESTRICTING COLLAR TIGHTLY AROUND THE FS-195 WRAP/STRIP LAYER WITH A STEEL HOSE CLAMP, CENTERING THE CLAMP ON THE COLLAR ASSEMBLY.
- SECURE THE RC-1 RESTRICTING COLLAR TO THE WALL WITH A MINIMUM 1 1/2" x 3/16" DIAMETER HOLLOW WALL SCREW ANCHORS WITH 1 1/4" x 1/4" FENDER WASHERS. SECURE EVERY TAB.
- SEAL THE SYSTEM WITH A 1/4 IN. BEAD OF 3M FIRE BARRIER CP 25 CAULK OR 3M FIRE BARRIER MOLDABLE PUTTY AT THE FS-195 WRAP/STRIP//WALL INTERFACE AND THE FS-195 WRAP/STRIP/ INSULATION INTERFACE.
- BEND THE RETAINER TABS TOWARD THE PIPE TO LOCK THE FS-195 WRAP/STRIP IN POSITION.

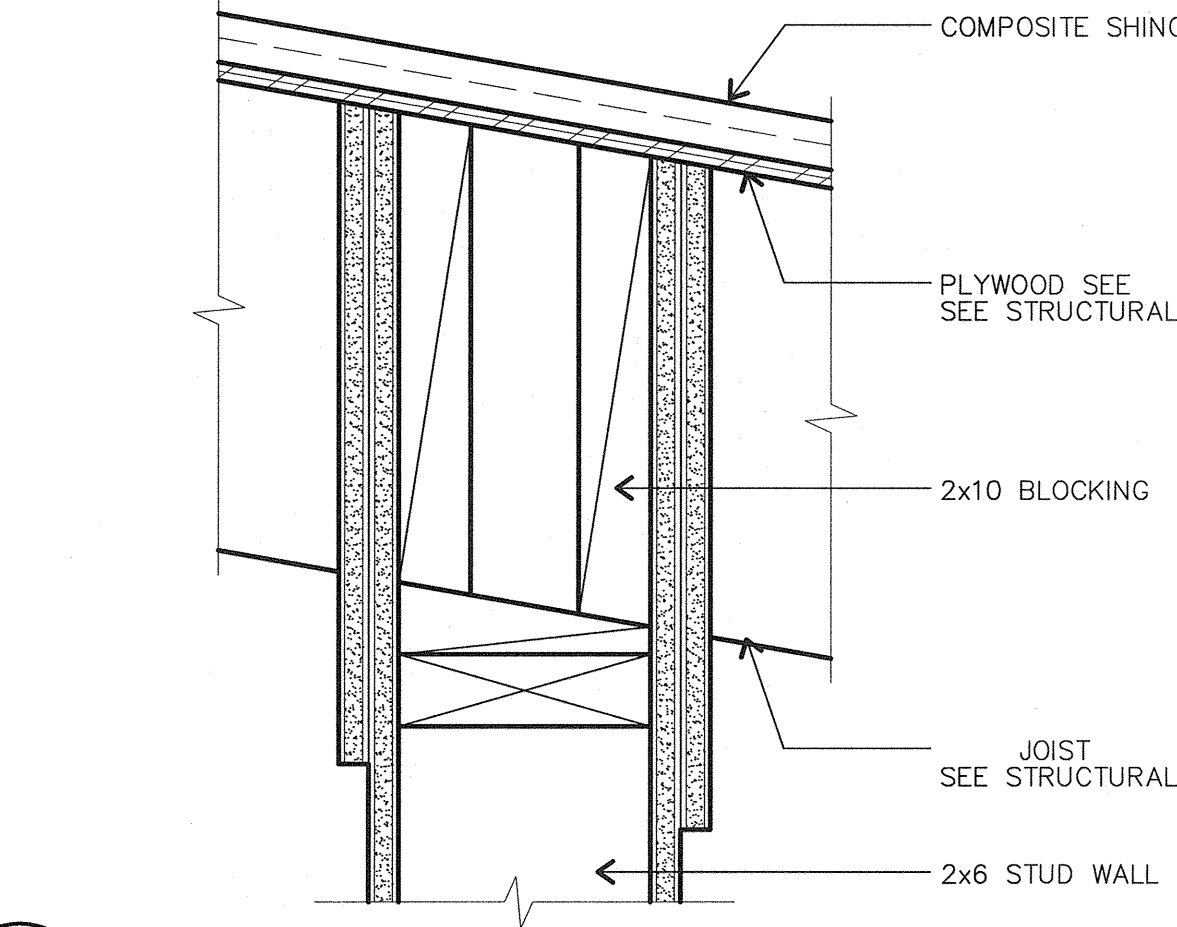
**12 INSULATED STEEL PIPE PENETRATION THROUGH 1-HR RATED WALLS (4" MAXIMUM DIAMETER)**

A8.03 EDW240-09 U.L. ASSEMBLY NO. WL5002 SCALE: 1' = 1'-0"



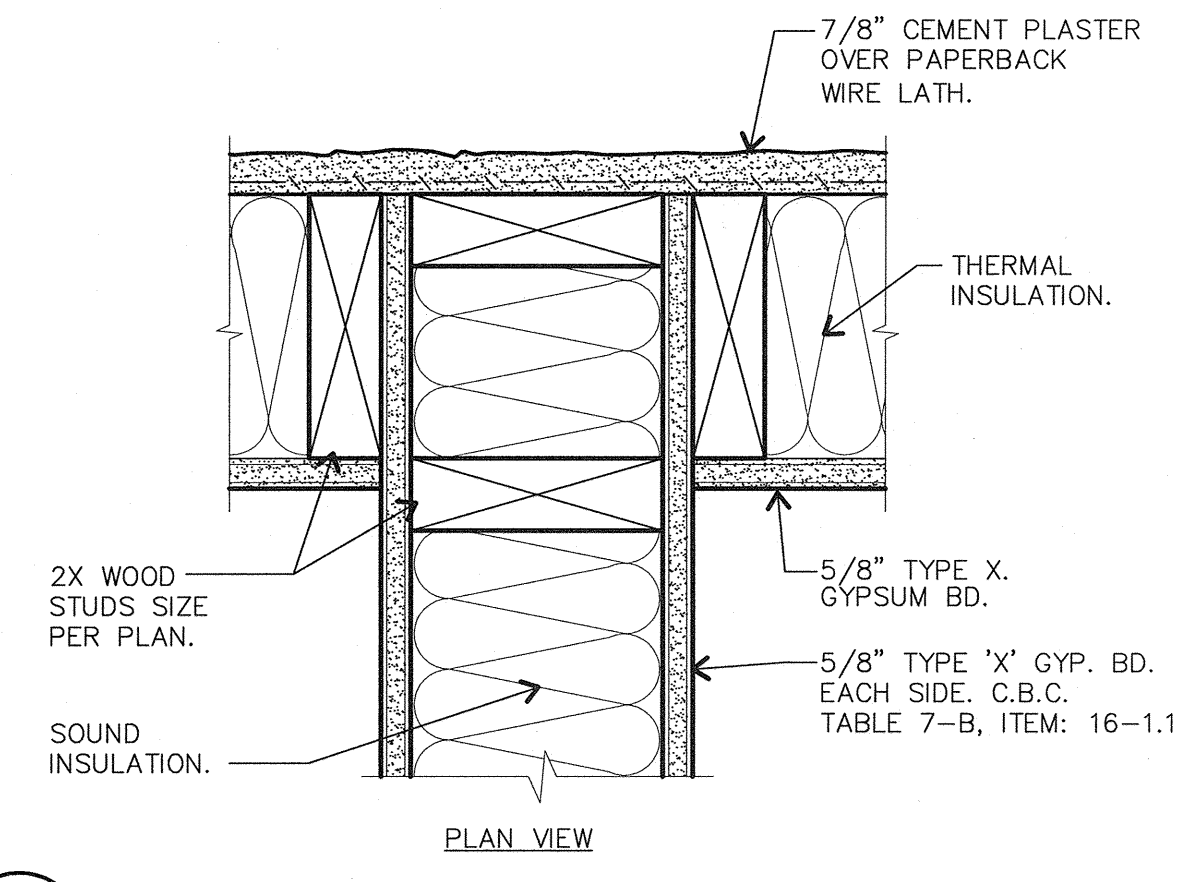
**5 1-HR FIRE RATED ASSEMBLY @ CEILING TO WALL**

A8.03 ADF244-03 SCALE: 3" = 1'-0"



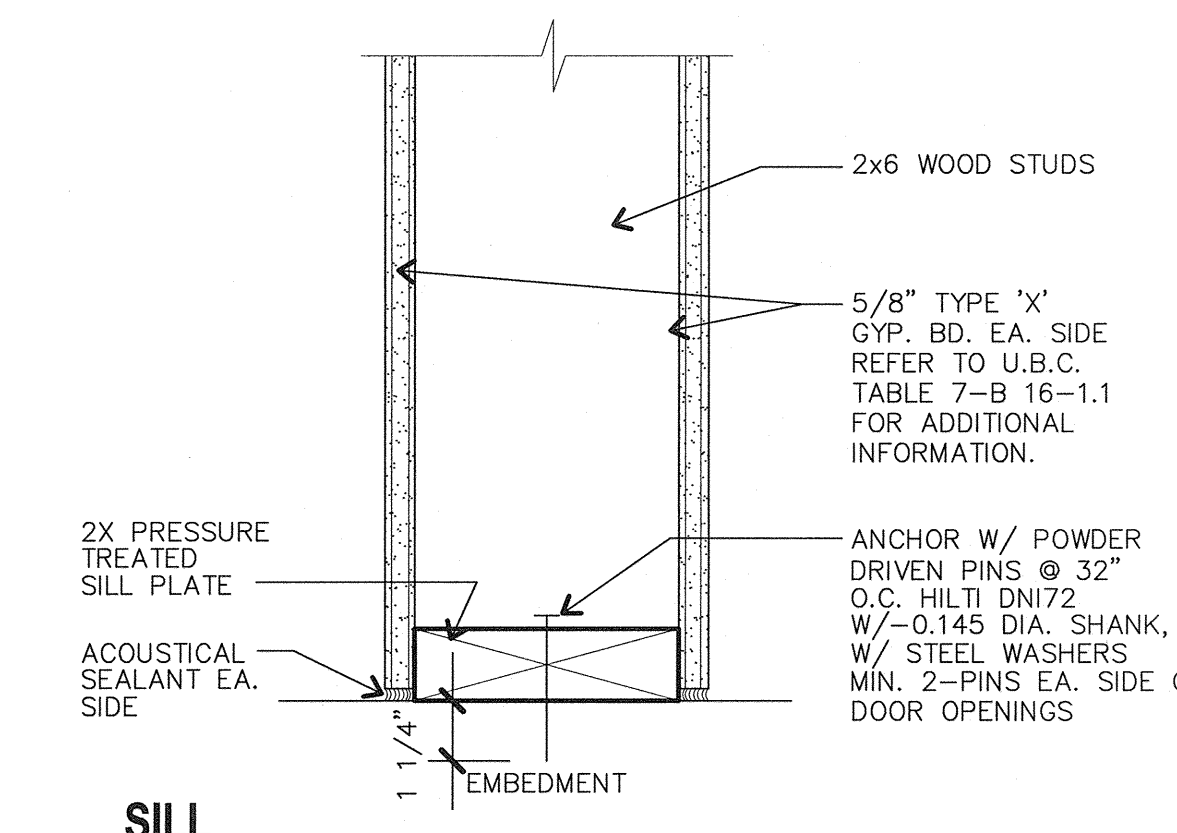
**6 1-HR FIRE RATED ASSEMBLY @ ROOF TO WALL**

A8.03 ADF244-05 SCALE: 3" = 1'-0"



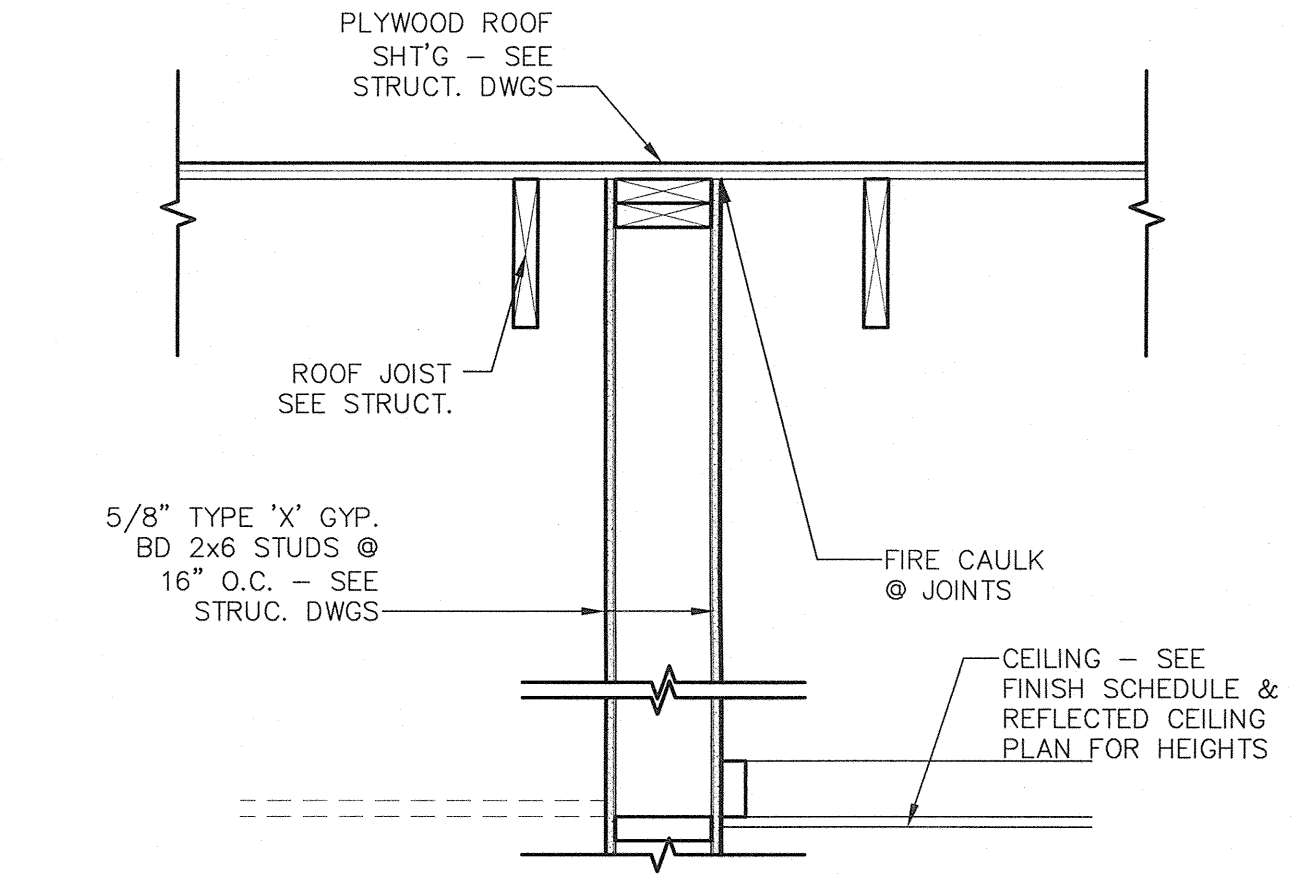
**7 1-HR FIRE RATED ASSEMBLY @ EXT. WALL**

A8.03 AD116 SCALE: 3" = 1'-0"



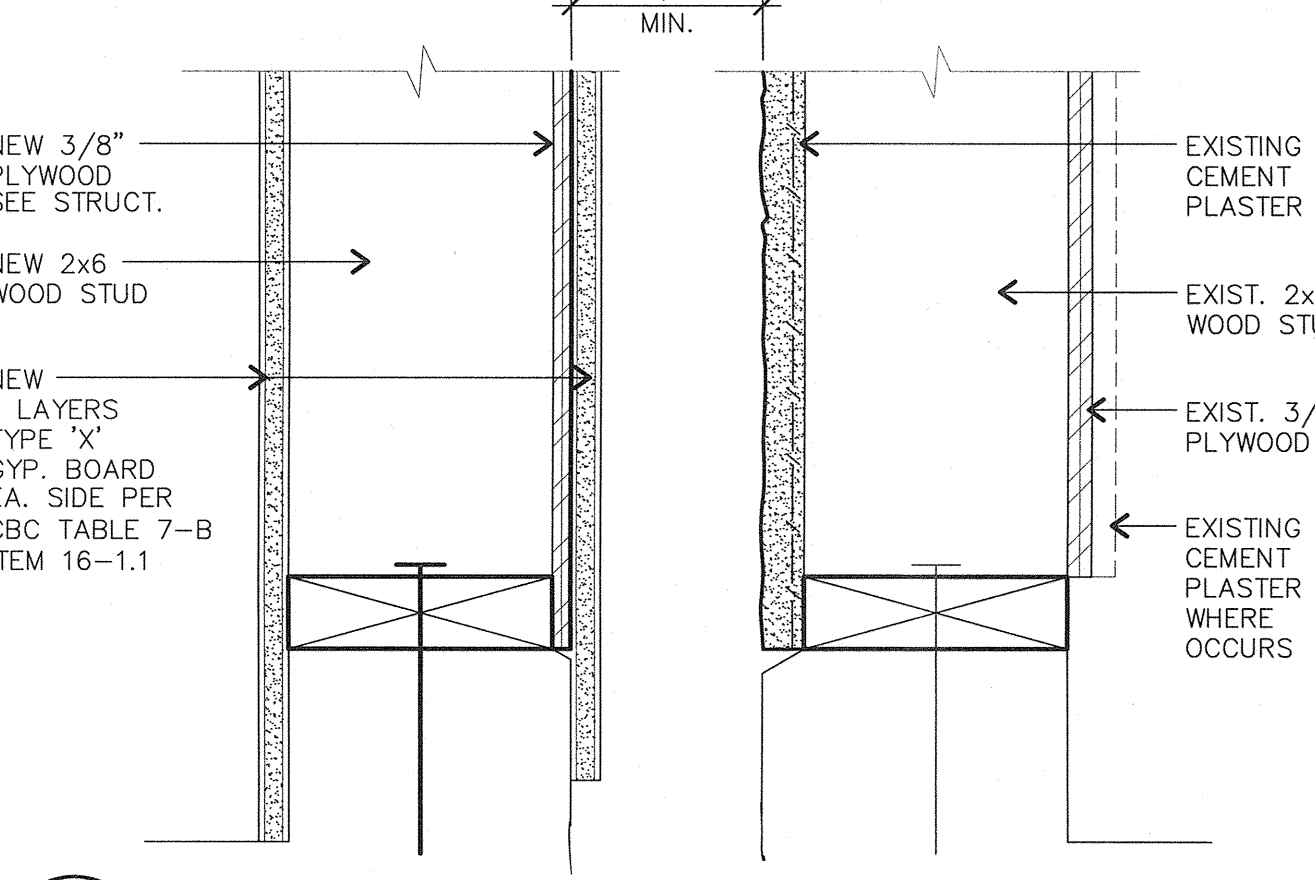
**8 1-HR RATED WALL**

A8.03 AD120 SCALE: 3" = 1'-0"



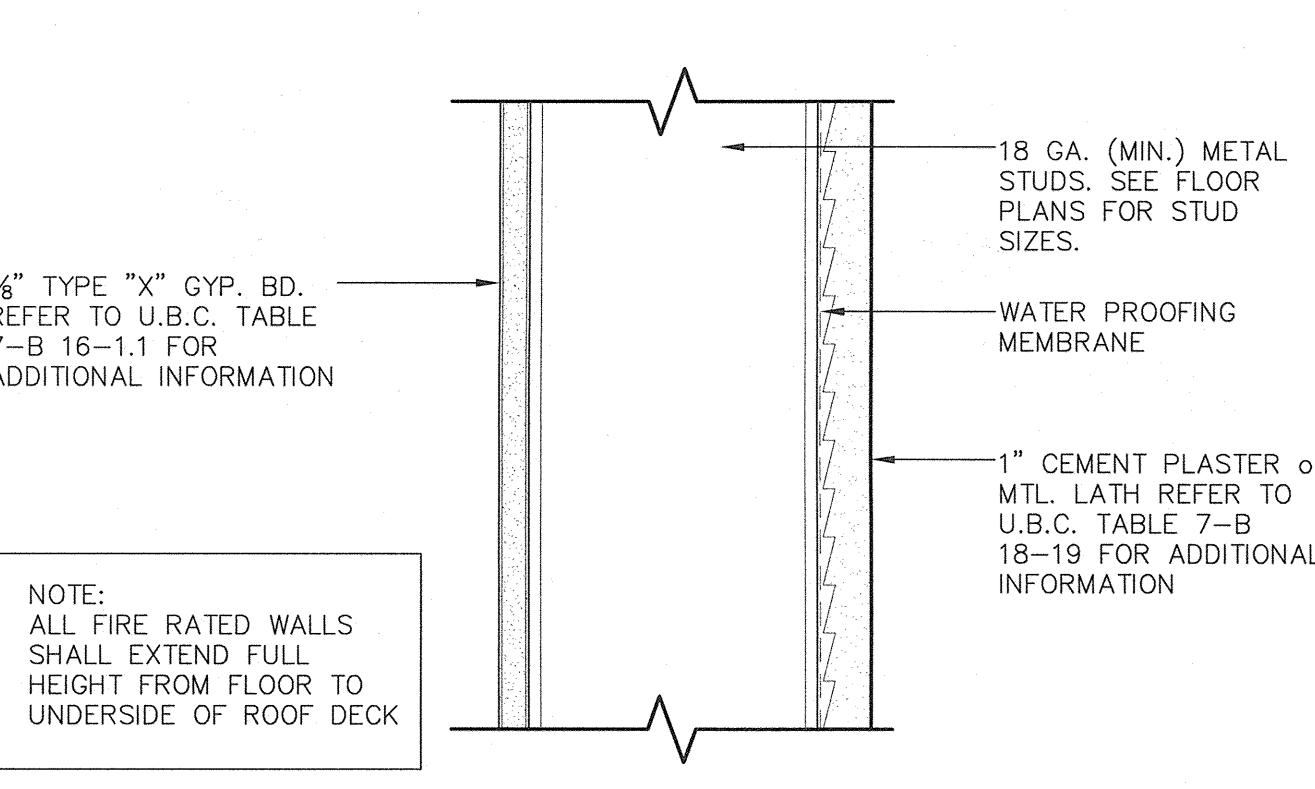
**1 1 HR @ ROOF PER CBC ITEM 17-13**

A8.03 ADF244-07 SCALE: 1" = 1'-0"



**2 1-HR FIRE RATED @ SILL PLATE TO CONC CURB**

A8.03 ADF140-01 SCALE: 3" = 1'-0"



**3 1-HR FIRE RATED ASSEMBLY (EXTERIOR)**

A8.03 ADF231-01 SCALE: 3" = 1'-0"

WALLS AND INTERIOR PARTITIONS, WOOD FRAMED		
SYSTEM DESCRIPTION	GENERIC	SKETCH AND DESIGN DATA
GA FILE NO. WP 3660		1 HOUR FIRE
<p>GYPSUM WALLBOARD, WOOD STUDS</p> <p>One layer 5/8" type X gypsum wallboard applied at right angles to each side of 2 x 6 wood studs 16" o.c. with 2 1/4" Type S or W drywall screws 7" o.c.</p> <p>Vertical joints staggered 16" o.c., horizontal joints staggered 24" o.c., on opposite sides.</p> <p>Tested at 5,156 lbs per stud or 100 percent of design load. (LOAD-BEARING)</p>		
		<p>Thickness: 6 3/4"</p> <p>Approx. Weight: 8 psf</p> <p>Fire Test: 115-99-22441.2, 10-99</p>

**4 1 HOUR RATED WALL CONSTRUCTION**

A8.03 ADF244-02 SCALE: 1" = 1'-0"

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 Phone (559) 438-0887 Fax (559) 438-0887 E-mail: design@somam.com  
 www.integrateddesigns.com

Rev. Date	Revision	Revision Description

**FIRE RATED DETAILS**

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA.

Sheet Title: FIRE RATED DETAILS

Base Date: 07/20/12  
 Date: 07/31/12  
 Designer: [Signature]  
 DRC: [Signature]  
 PC: CJM

Agency Approval Stamp:  
 FILE # 15-6  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 03-114521  
 AC: [Signature]  
 DATE: 8/1/12  
 TRACKING #: 63321-118

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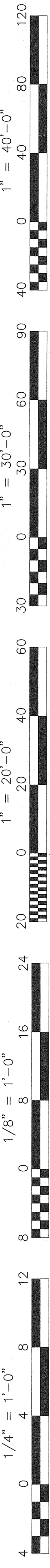
Job No.: **3990**

Sheet No.: **A8.03**

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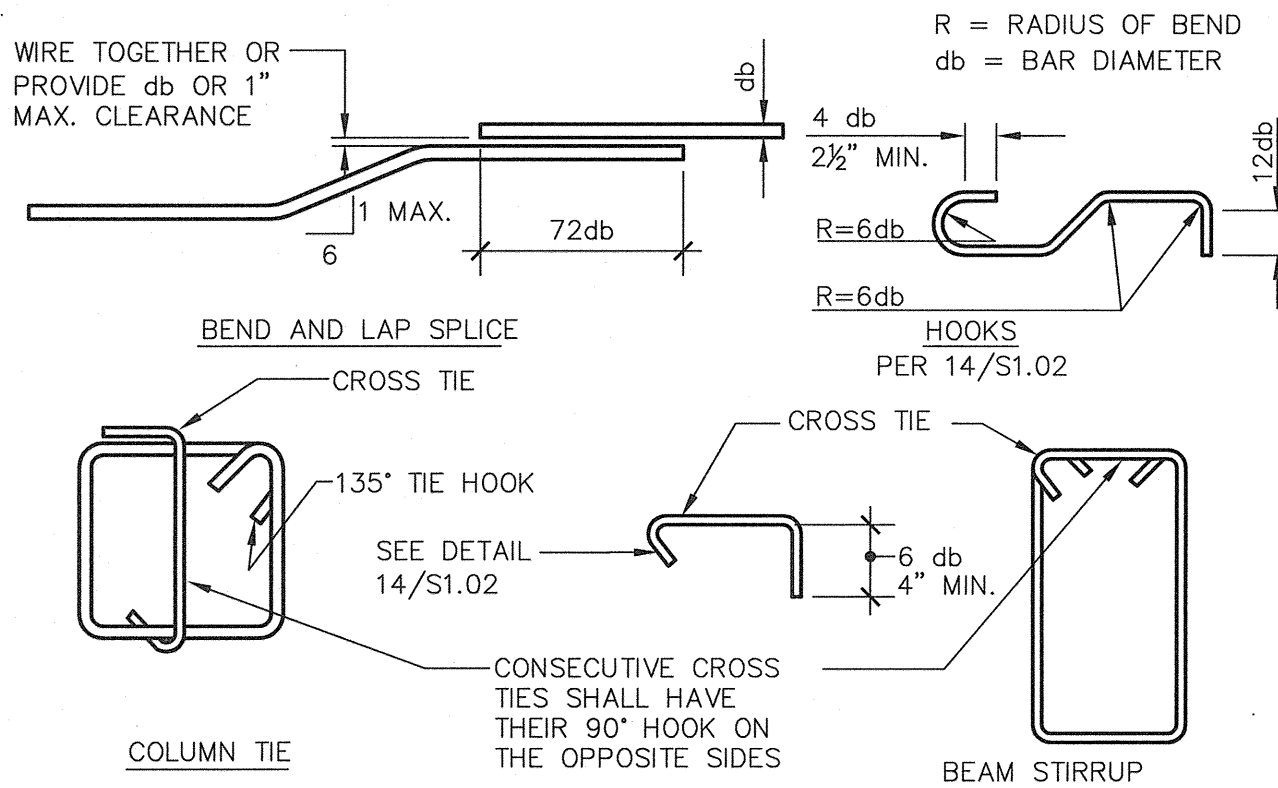


- 135-DEG COLUMN TIE HOOKS MAY NOT BE BENT TO LESS DIAMETER OF COLUMN VERTICAL BAR ENCLOSED IN HOOK.
- INSIDE DIAMETER OF BENDS IN WELDED WIRE FABRIC, PLAIN OR DEFORMED, FOR STIRRUPS AND TIES SHALL BE AT LEAST FOUR WIRE DIAMETERS FOR WIRE LARGER THAN D6 OR W6 AND TWO WIRE DIAMETERS FOR ALL OTHER WIRES. BENDS WITH INSIDE DIAMETER OF LESS THAN EIGHT WIRE DIAMETERS SHALL BE LESS THAN FOUR DIAMETERS FROM THE NEAREST WELDED INTERSECTION.

BAR SIZE	D	135° SEISMIC HOOK	
		A OR G	APPROX. H
#3	1 1/2"	5"	3 3/4"
#4	2"	5 1/2"	4"
#5	2 1/2"	6"	4 1/4"

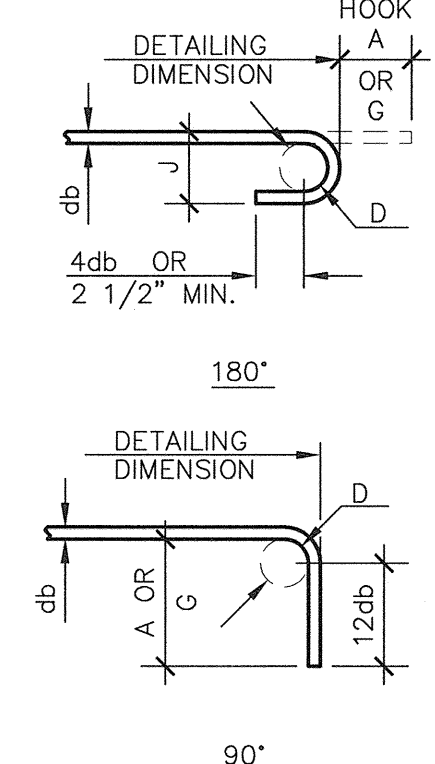


**12 STIRRUP AND TIE HOOKS**  
S1.02

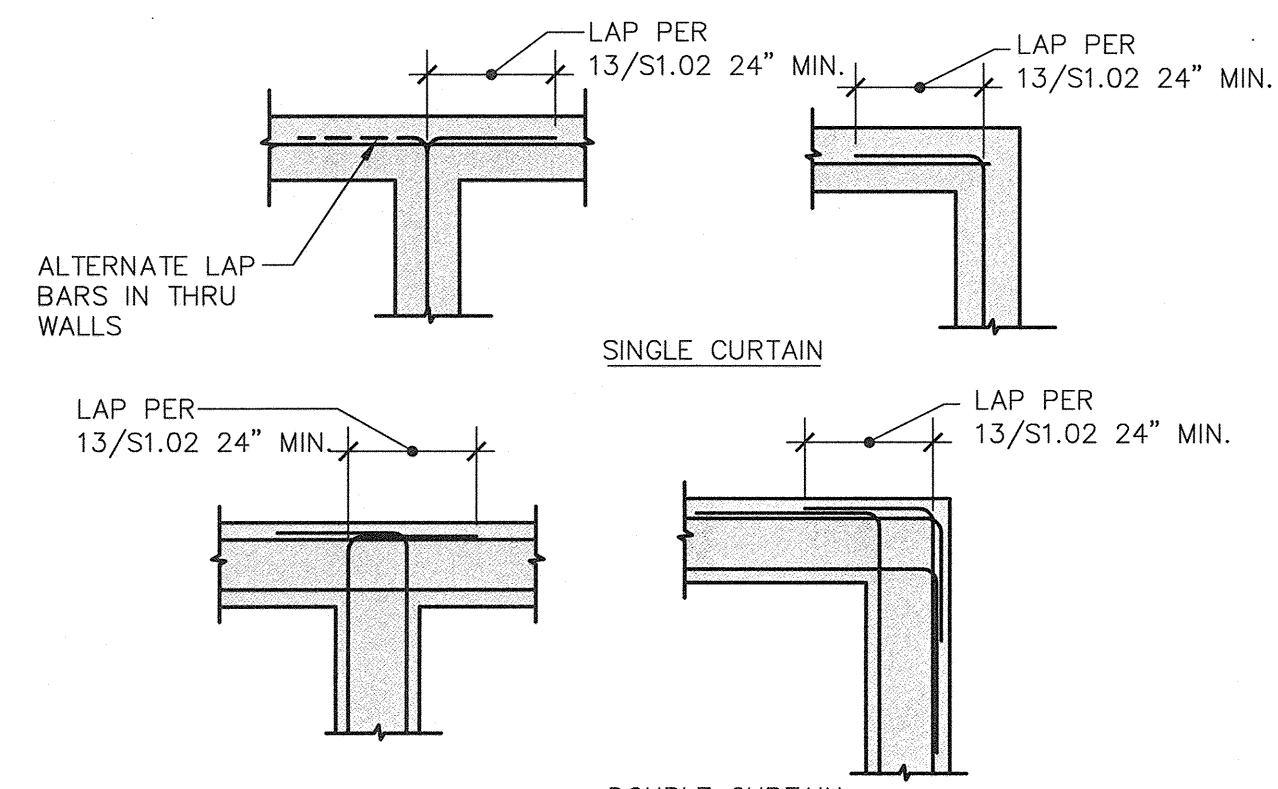


**13 TYPICAL REINFORCEMENT BENDS**  
S1.02

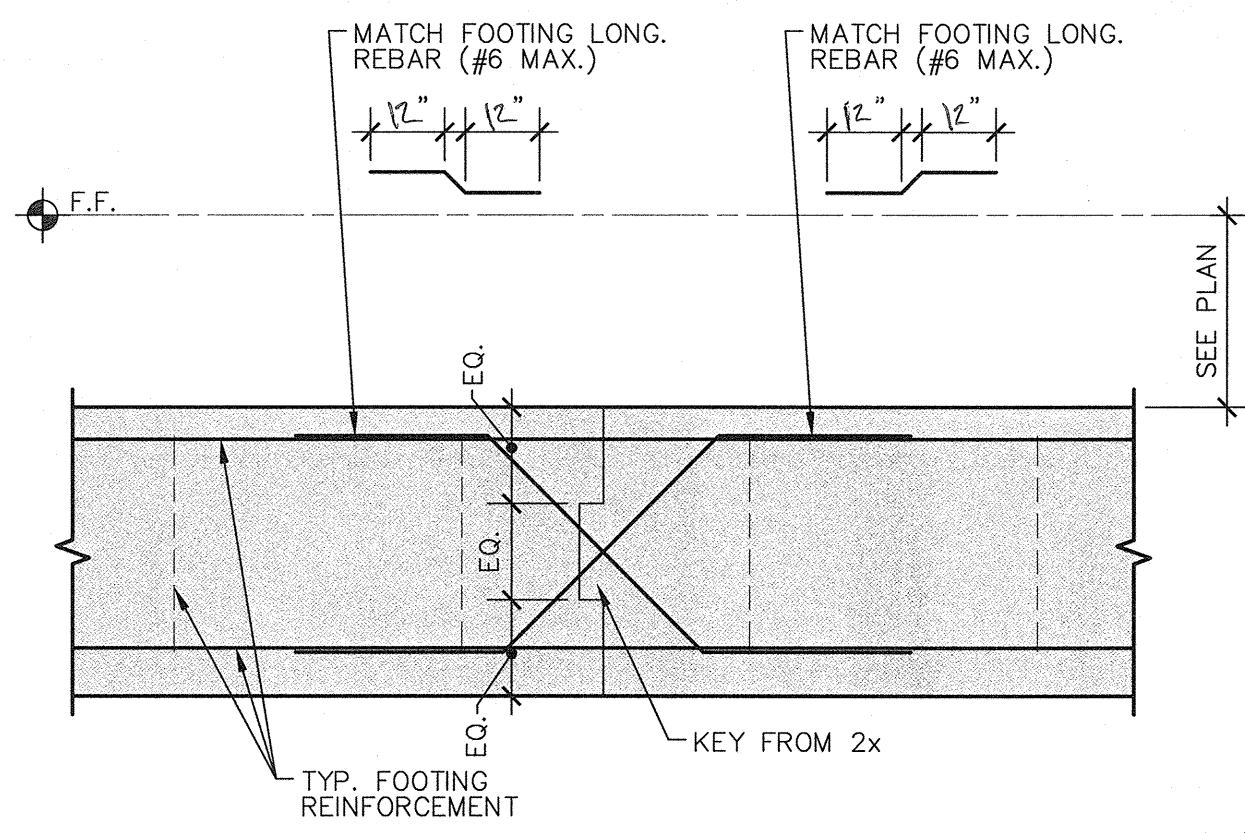
BAR SIZE	D	DIMENSIONS OF STANDARD HOOKS ALL GRADES			
		A OR G	J	A OR G	90°
#3	2 1/4"	5"	3"	8"	
#4	3"	6"	4"	8"	
#5	3 3/4"	7"	5"	12"	
#6	4 1/2"	8"	6"	1'-0"	
#7	5 1/4"	10"	7"	1'-2"	
#8	6"	11"	8"	1'-4"	
#9	9 1/2"	1'-3"	11 3/4"	1'-7"	
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"	
#11	12"	1'-7"	1'-2 3/4"	2'-0"	



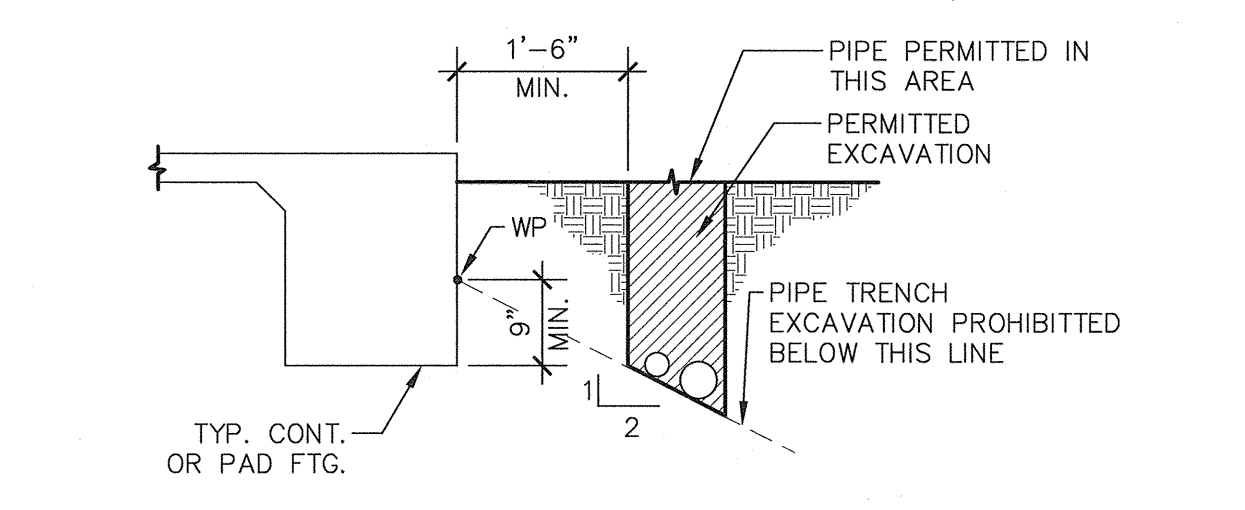
**14 STANDARD END HOOKS**  
S1.02



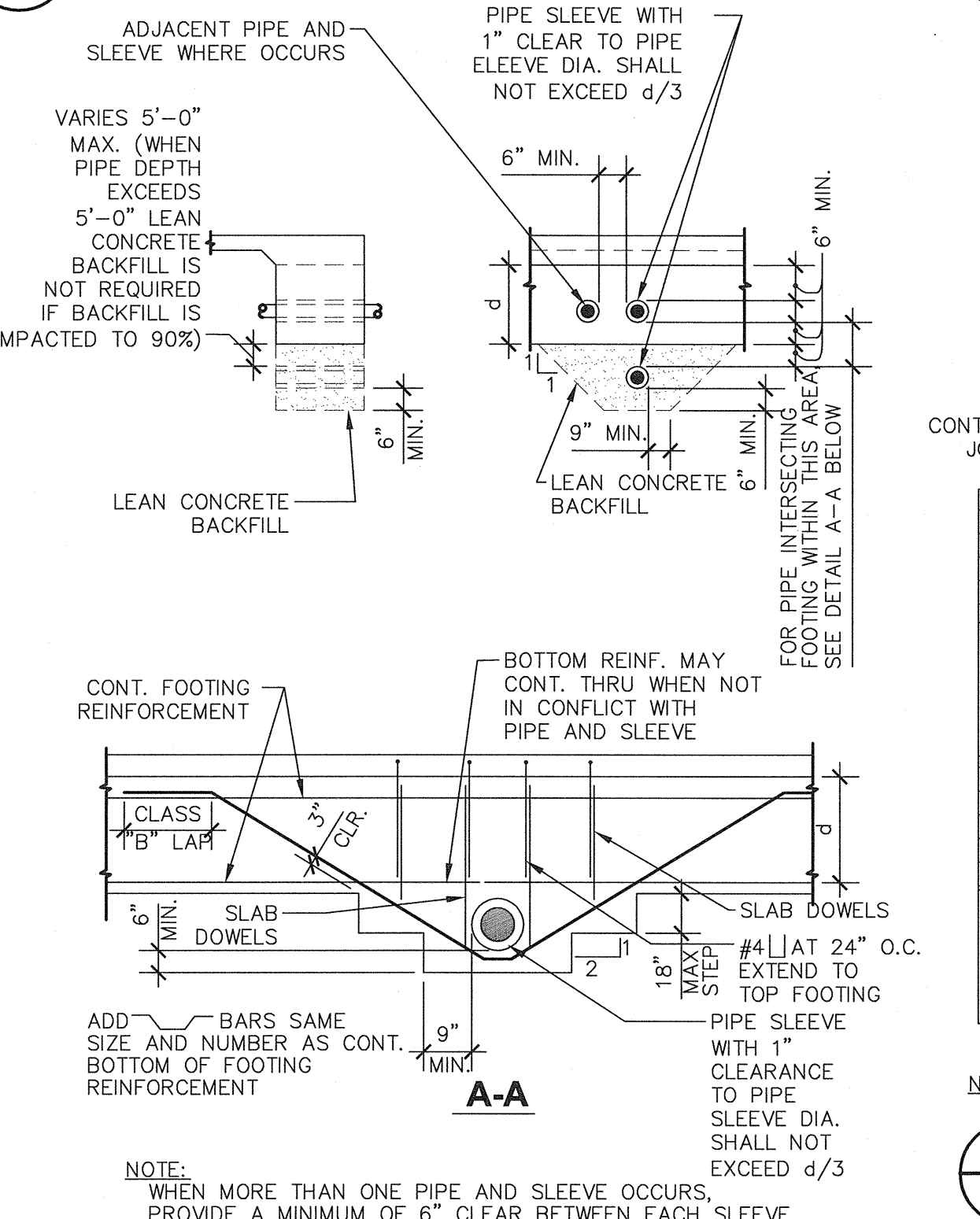
**15 TYPICAL REINFORCING DETAIL**  
S1.02 AT INTERSECTIONS



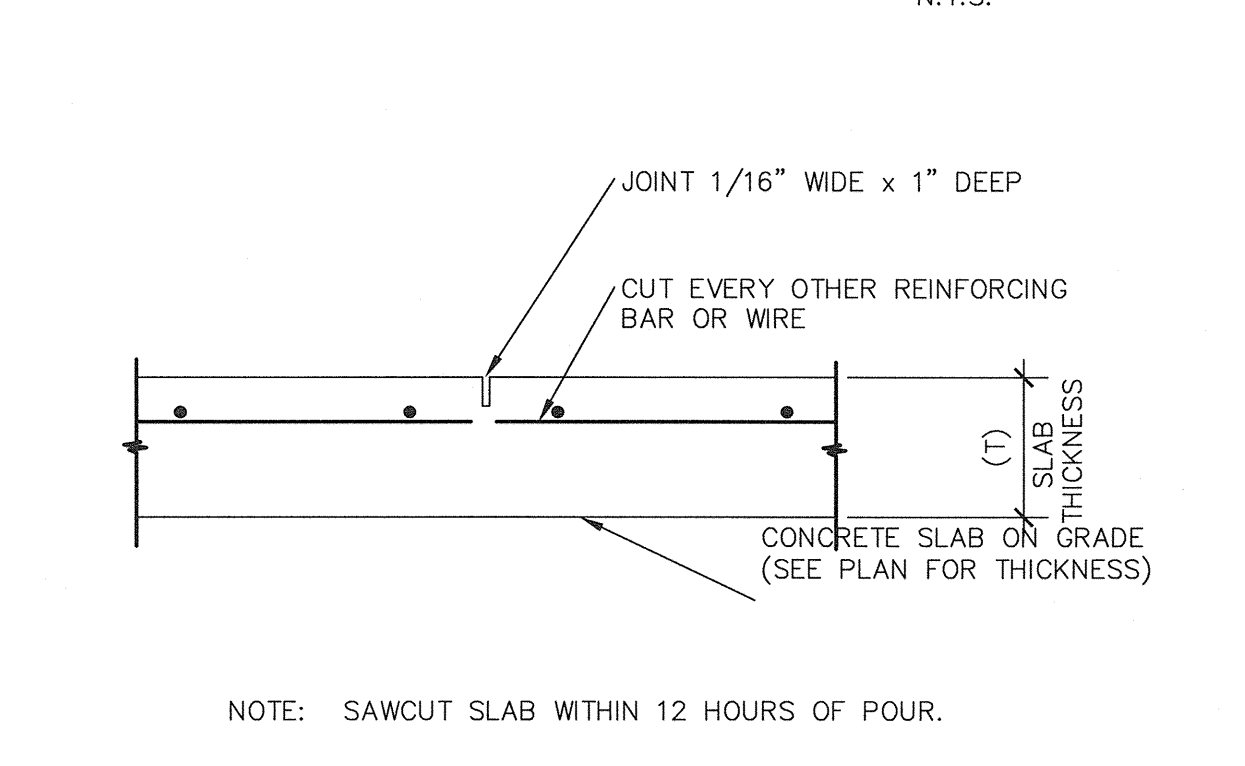
**8 TYP. FOOTING CONSTRUCTION JOINT**  
S1.02 N.T.S.



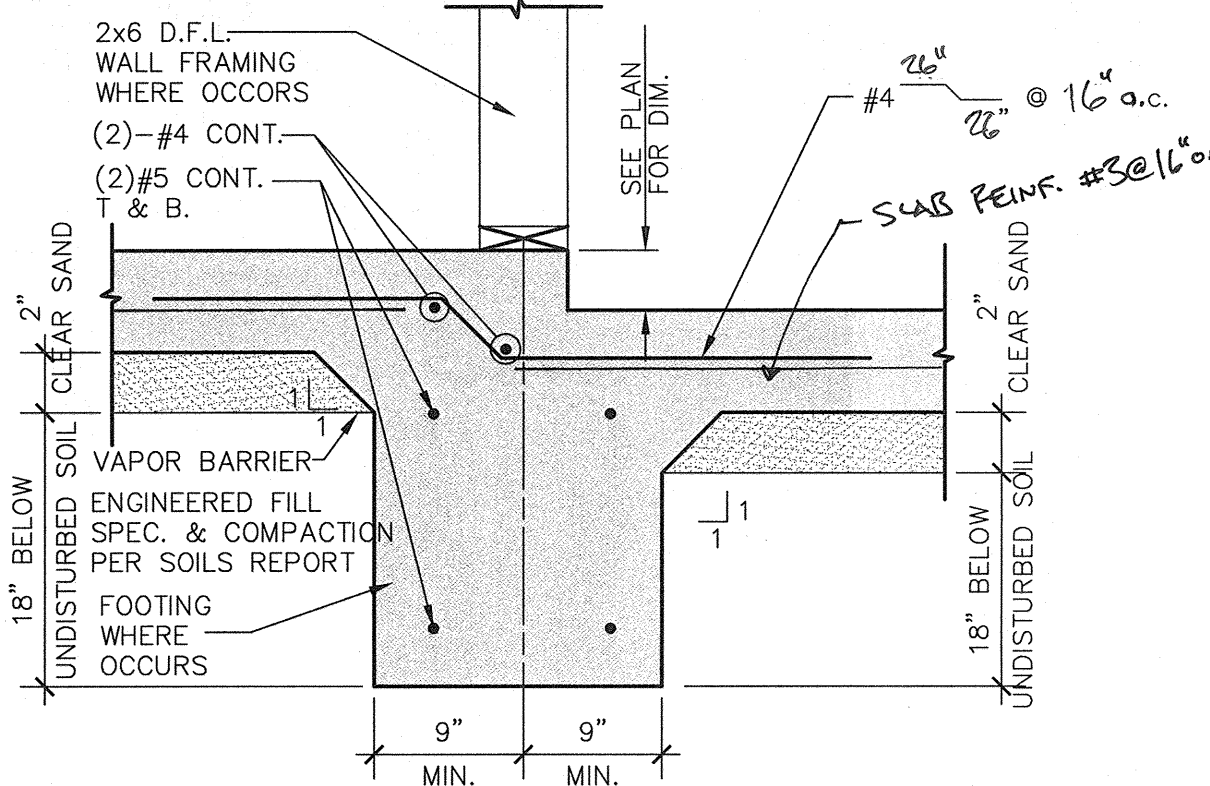
**9 PIPES ADJACENT TO FOOTINGS**  
S1.02



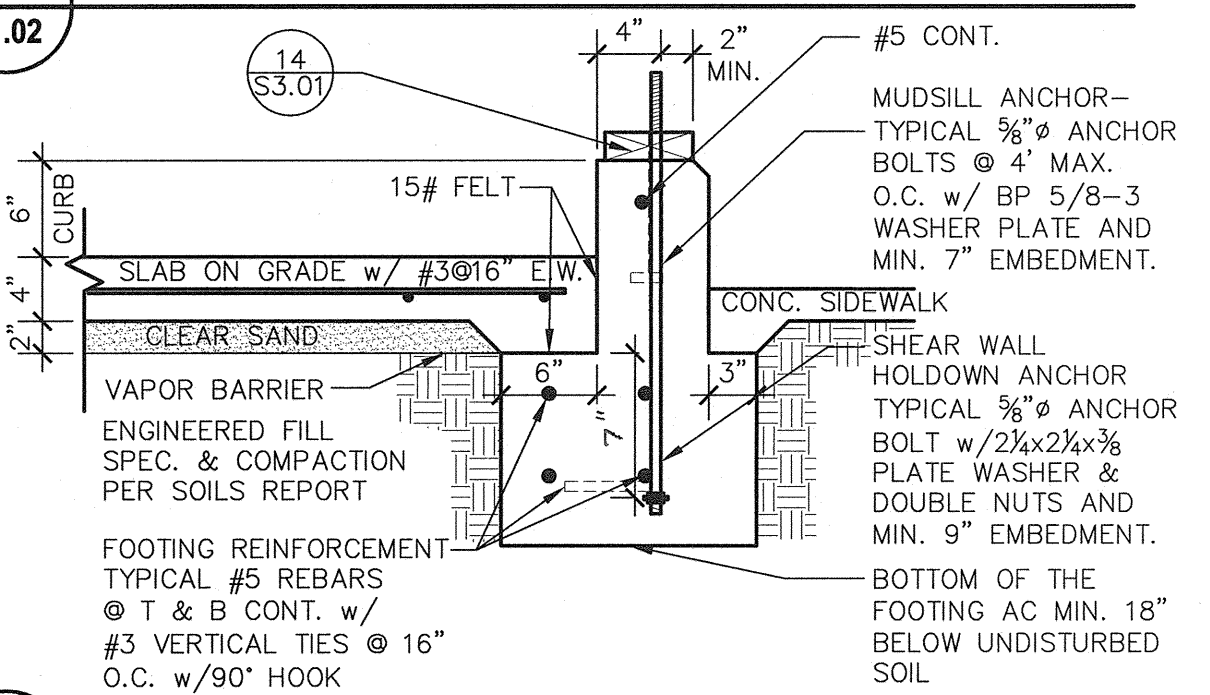
**10 PIPES AT CONCRETE FOOTINGS**  
S1.02 N.T.S.



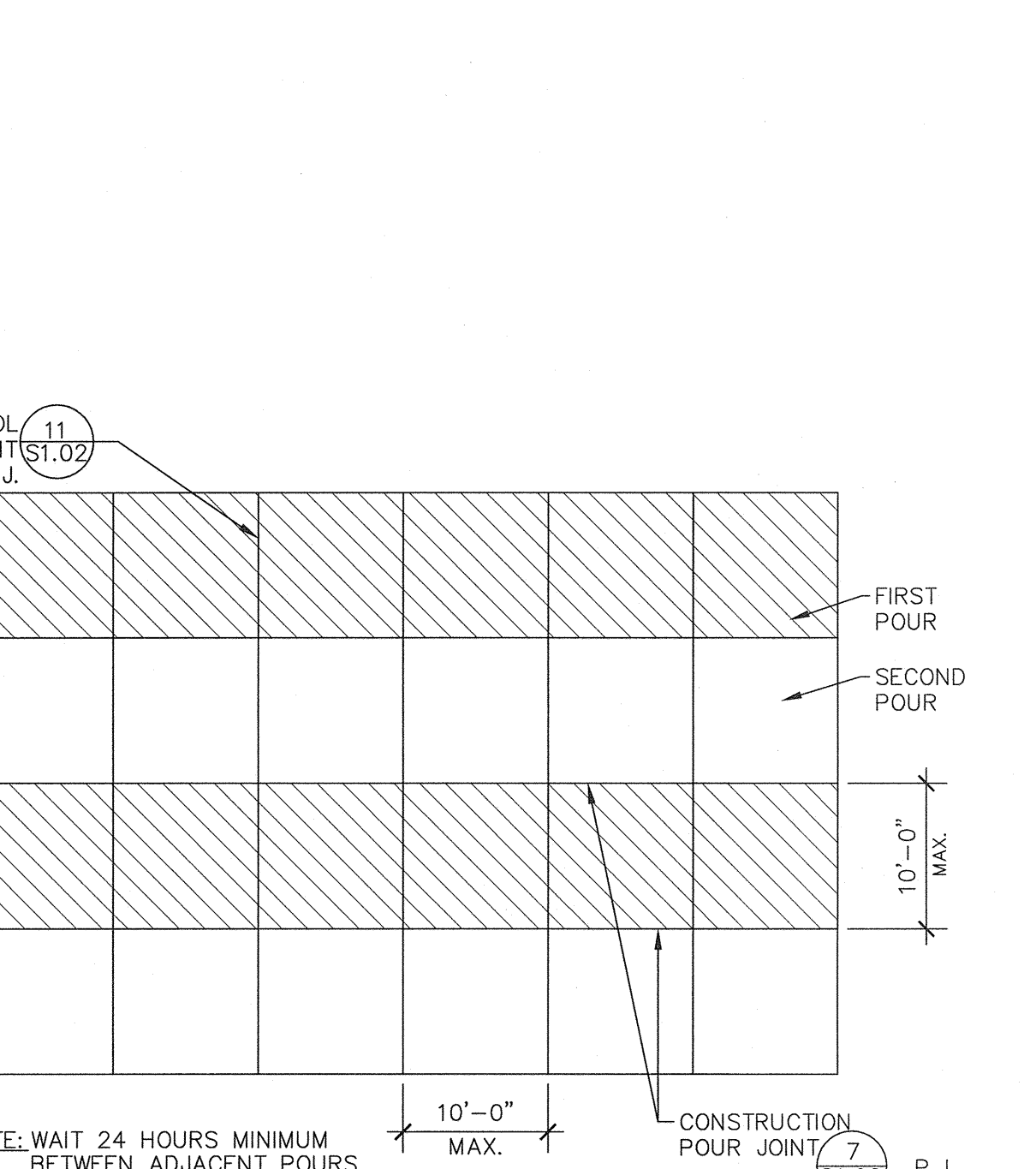
**11 SLAB CONTROL JOINT (CJ)**  
S1.02 N.T.S.



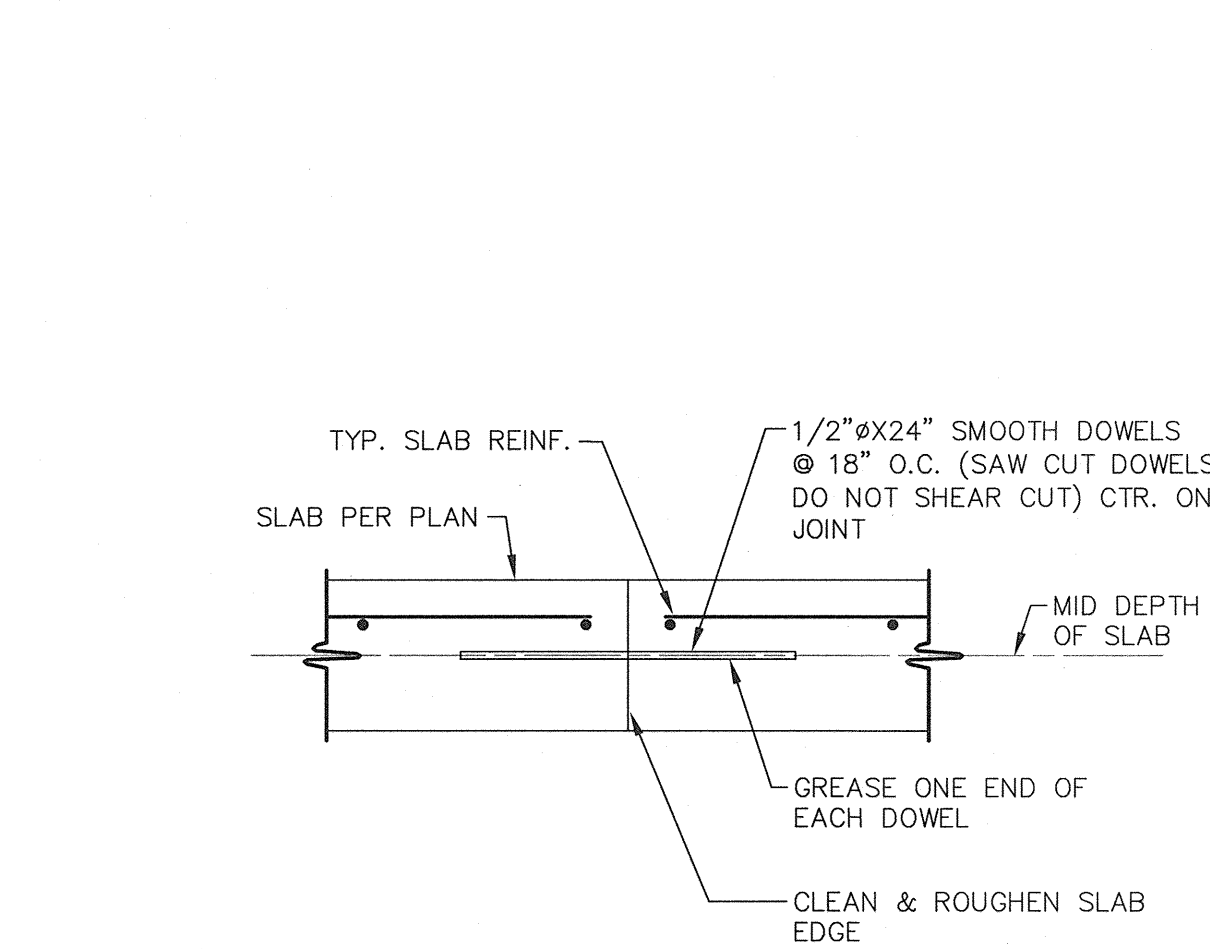
**3 SLAB DEPRESSION**  
S1.02



**4 DETAIL**  
S1.02 N.T.S.



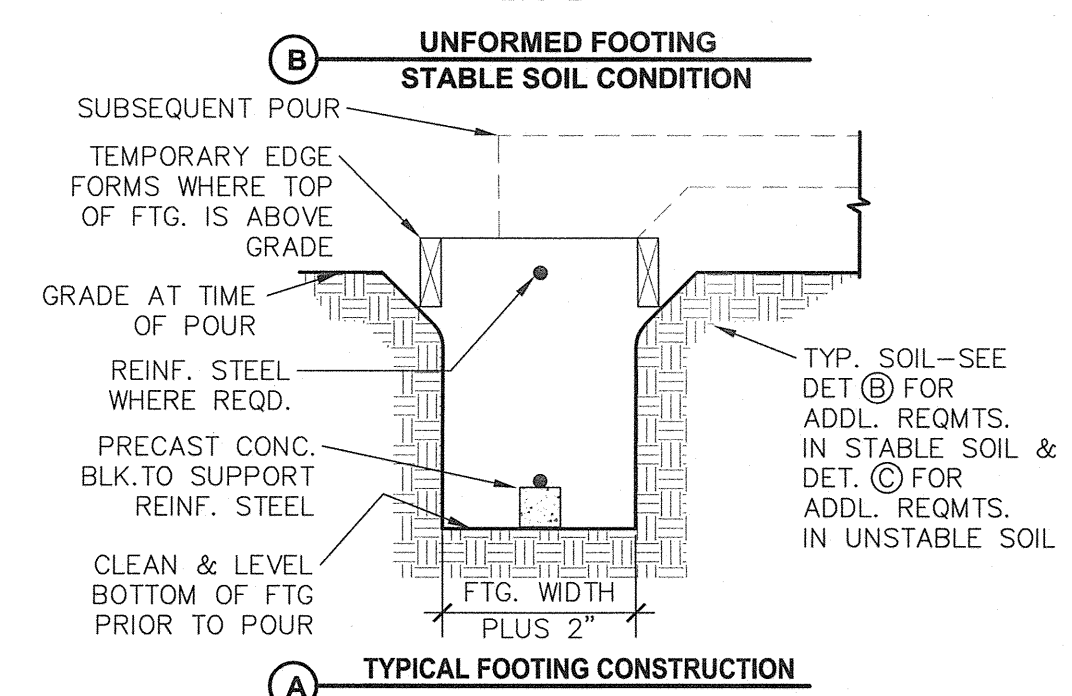
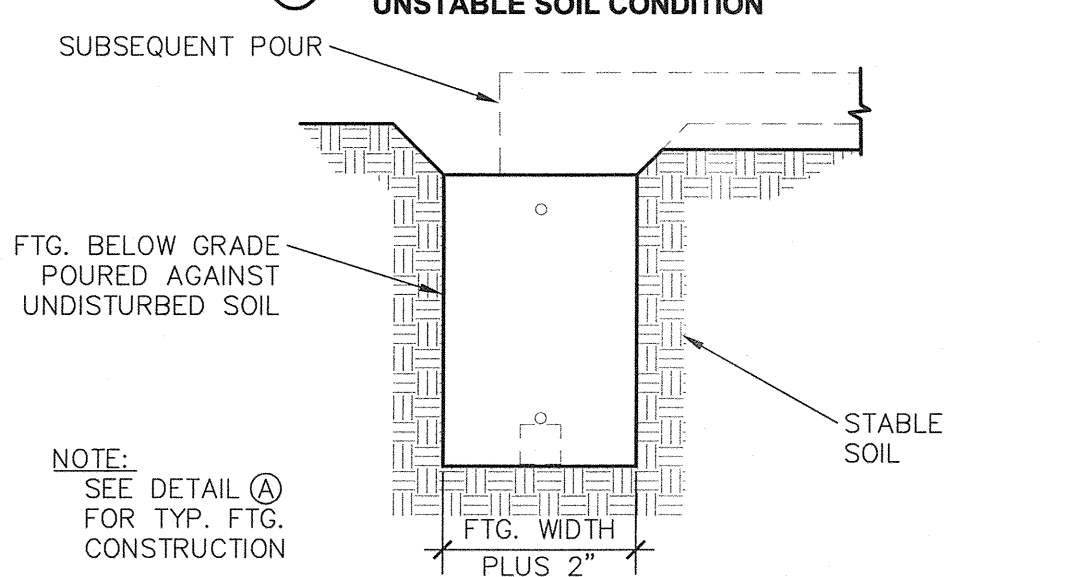
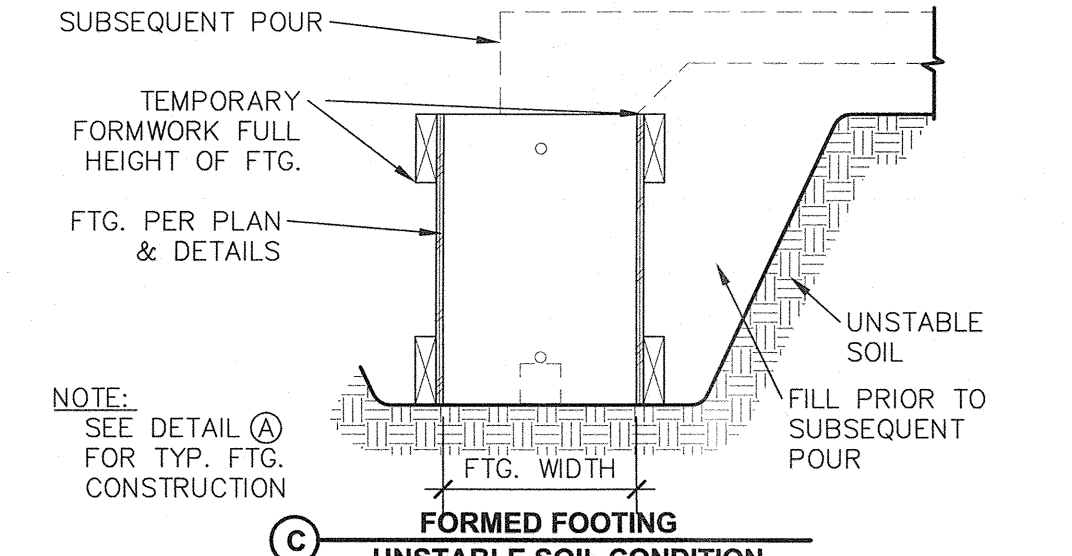
**6 METHOD OF POURING CONC. SLAB ON GRADE**  
S1.02 N.T.S.



**7 SLAB CONSTRUCTION JOINT (PJ)**  
S1.02 N.T.S.

- CONCRETE NOTES**
- PROPERTIES OF CONCRETE SHALL BE AS FOLLOWS.
- | USE            | AGGREGATE SIZE | 28 DAYS COMP. STRENGTH (PSI) | WATER/CEMENT RATIO | MAXIMUM CEMENT PER CY | MINIMUM CEMENT SACK PER CY | MAX. SLUMP |
|----------------|----------------|------------------------------|--------------------|-----------------------|----------------------------|------------|
| SLABS ON GRADE | 1"             | 3000                         | 0.45               | 5.5                   | 5.5                        | 4"         |
| FOUNDATION     | 1-1/2"         | 3000                         | 0.45               | 5.5                   | 5.5                        | 4"         |
- CONCRETE SPECIFIED IN THESE DRAWING SHALL BE CONSIDERED AS STRUCTURAL CONCRETE.
  - THE DIMENSION SHOWN FOR LOCATION OF REINFORCING STEEL ARE TO FACE OF BAR AND DENOTE CLEAR COVERAGE. UNLESS SPECIFICALLY NOTED, MIN. CONCRETE COVERAGE SHALL BE AS FOLLOWS:
 

LOCATION	COVERAGE
CONCRETE DEPOSITED DIRECTLY AGAINST THE GROUND (EXCEPT SLABS)	-----3"
CONCRETE EXPOSED TO THE GROUND BUT PLACED IN FORMS	-----2"
SLABS ON GRADE (CLEARANCE TO TOP SURFACE)	-----2"
  - REINFORCEMENT SHALL CONFORM TO ASTM A615 GRADE 60.
  - CONTINUOUS REINFORCEMENT SHALL BE SPLICED BY LAPPING THE REINFORCEMENT WITH THE MINIMUM LENGTH SHOWN IN DETAIL 13/S1.02
  - SEE ARCHITECTURAL DRAWING FOR NON-STRUCTURAL EXTERIOR SLABS AND WALKWAYS.
  - ANCHOR BOLTS EXTENDING TO THE BOTTOM OF FOOTING SHALL HAVE MINIMUM 3" CONCRETE COVER
  - ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A307, UNLESS NOTED OTHERWISE.
  - ALL MOULDS, ORNAMENTS, GROOVES, CLIPS, ANCHOR BOLTS, ETC., SHOWN ON ARCHITECTURAL DRAWINGS SHALL BE PROVIDED FOR IN THE FORM WORK BEFORE THE CONCRETE IS POURED.
  - REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR LOCATION AND SPACING OF ALL PLUMBING FIXTURES.
  - ALL REINFORCED STEEL, ANCHOR BOLTS, DOWEL AND OTHER INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
  - ANCHOR BOLTS OR SILL BOLTS SHALL HAVE A HEAVY HEX HEAD AT ENDS UNLESS OTHERWISE NOTED. DO NOT USE UPSET (ROLLED) THREADS.
  - ALL WELDING OF REINFORCEMENT SHALL BE LOW HYDROGEN ELECTRODES UNLESS OTHERWISE NOTED. WELDING OF REINFORCING SHALL BE ALLOWED ONLY WHERE DETAILED ON DRAWINGS. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY SPECIFICATIONS AWS D1.4 WELDING SHALL NOT BE DONE WITHIN TWO BAR DIAMETERS OF ANY BENT PORTION OF A BAR THAT HAS BEEN BENT COLD. WELDING OF CROSSING BARS SHALL NOT BE PERMITTED FOR ASSEMBLY OF REINFORCEMENT UNLESS AUTHORIZED BY THE ENGINEER OF RECORD. ASTM A706 REINFORCING SHALL BE USED FOR ALL REINFORCING THAT IS BEING WELDED.
  - PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY ENGINEER. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS.
  - SEE PROJECT SPECIFICATION FOR ADDITIONAL CONCRETE MIX DESIGN REQUIREMENTS.



- 2 TYP. FOUNDATION FORMWORK**  
S1.02 N.T.S.
- ALL FOOTINGS SHALL BE PLACED PER THE TYPICAL REQUIREMENTS OF DETAIL (A).
  - FOOTINGS MAY BE POURED DIRECTLY INTO NEAT EXCAVATIONS PER DETAIL (B) WHERE SOIL IS CONSIDERED STABLE AS DETERMINED BY THE ARCHITECT OR SOILS ENGINEER.
  - PROVIDE FORMWORK PER DETAIL (C) WHERE SOIL IS CONSIDERED UNSTABLE AS DETERMINED BY THE ARCHITECT OR SOILS ENGINEER.
  - SEE THE SOILS REPORT FOR OTHER REQUIREMENT.

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601 N. Fresno, Suite 130 - Fresno, California 93710  
Phone (559) 438-0887 Fax (559) 438-0887 E-Mail: design@somam.com  
www.integrateddesigns.com

Rev. Date	Revision Description

**STRUCTURAL DETAILS**

**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA.

Issue Date: 07/20/12  
Date: 07/31/12  
Designer: [Signature]  
DR: [Signature]  
PC: CJM

Agency Approval Stamp:

FILE #15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-114521  
AC: [Signature]  
DATE: 8/1/12  
TRACKING #: 63321-118

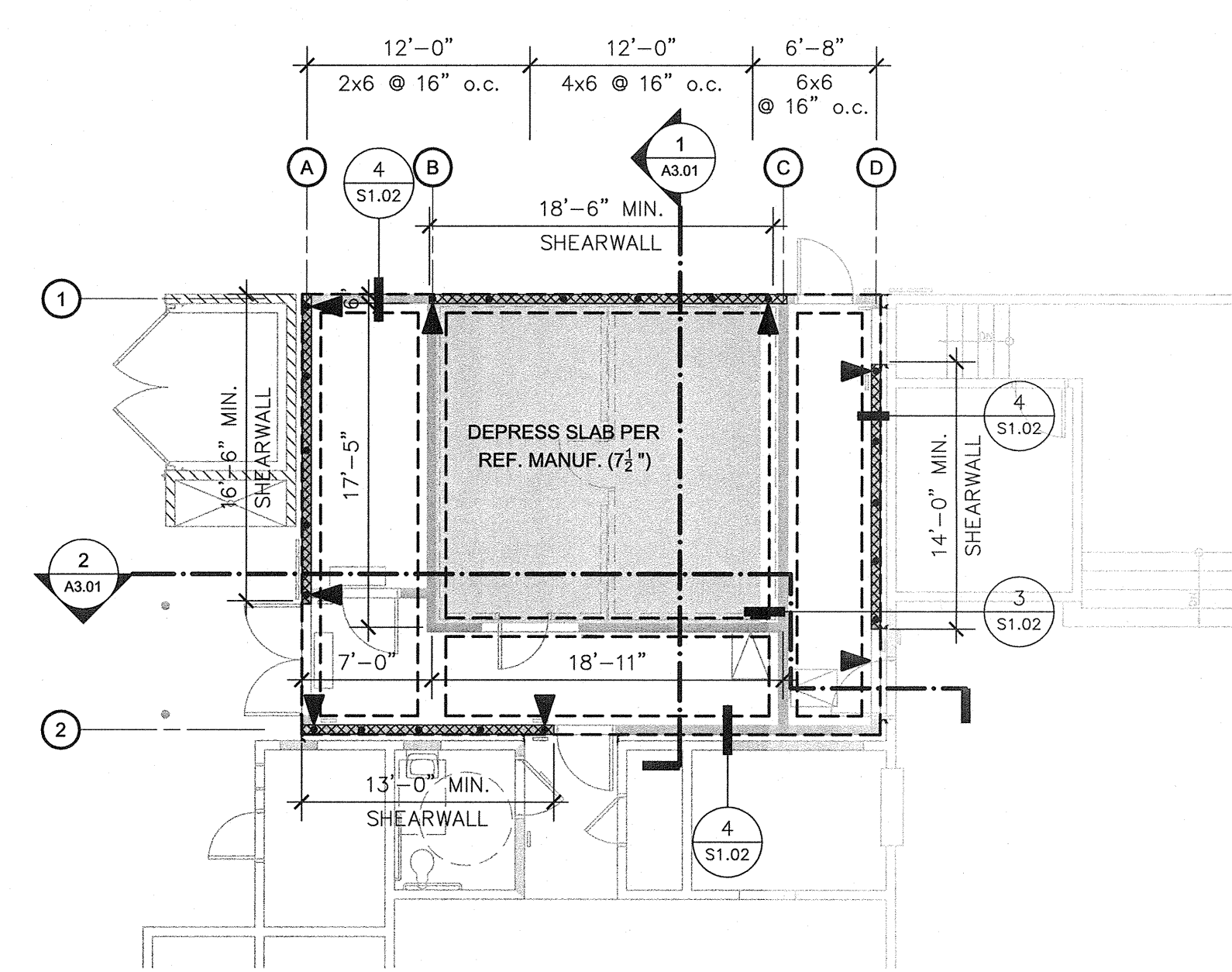
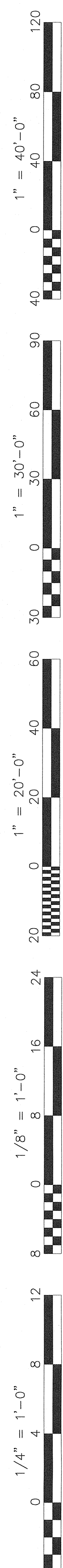
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STATE OF CALIFORNIA  
STRUCTURAL  
8/30/12

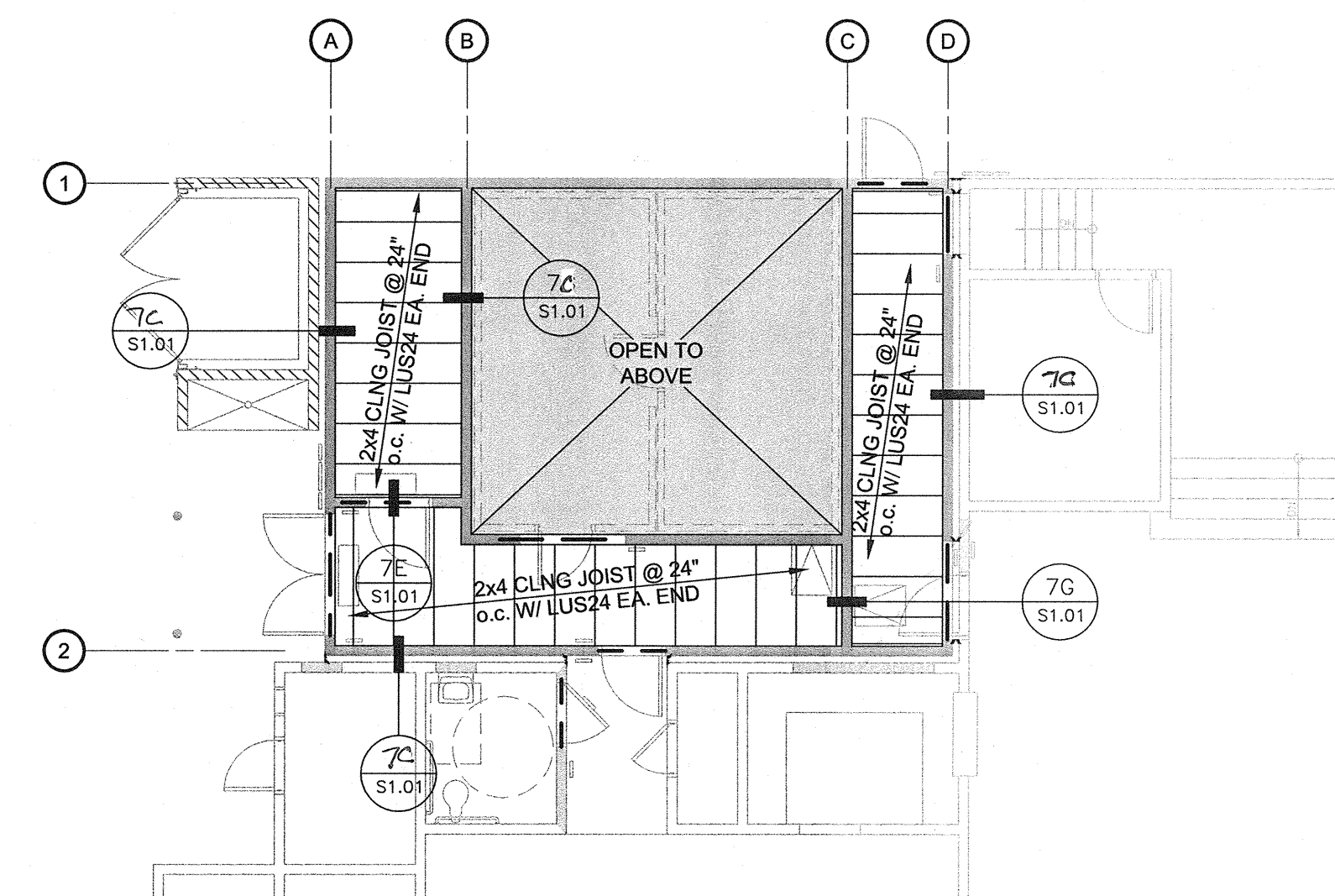
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Sheet No.: **S1.02**

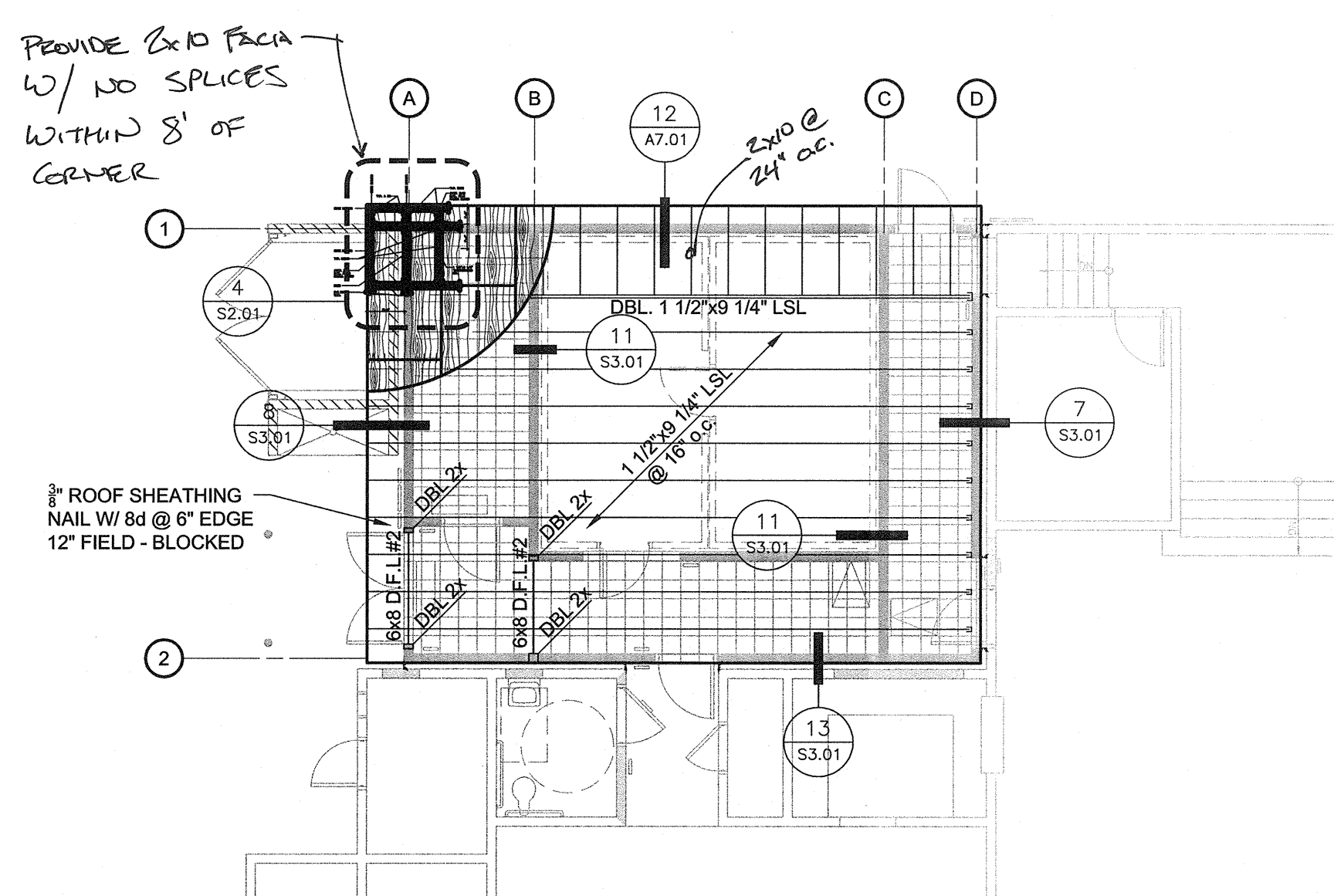
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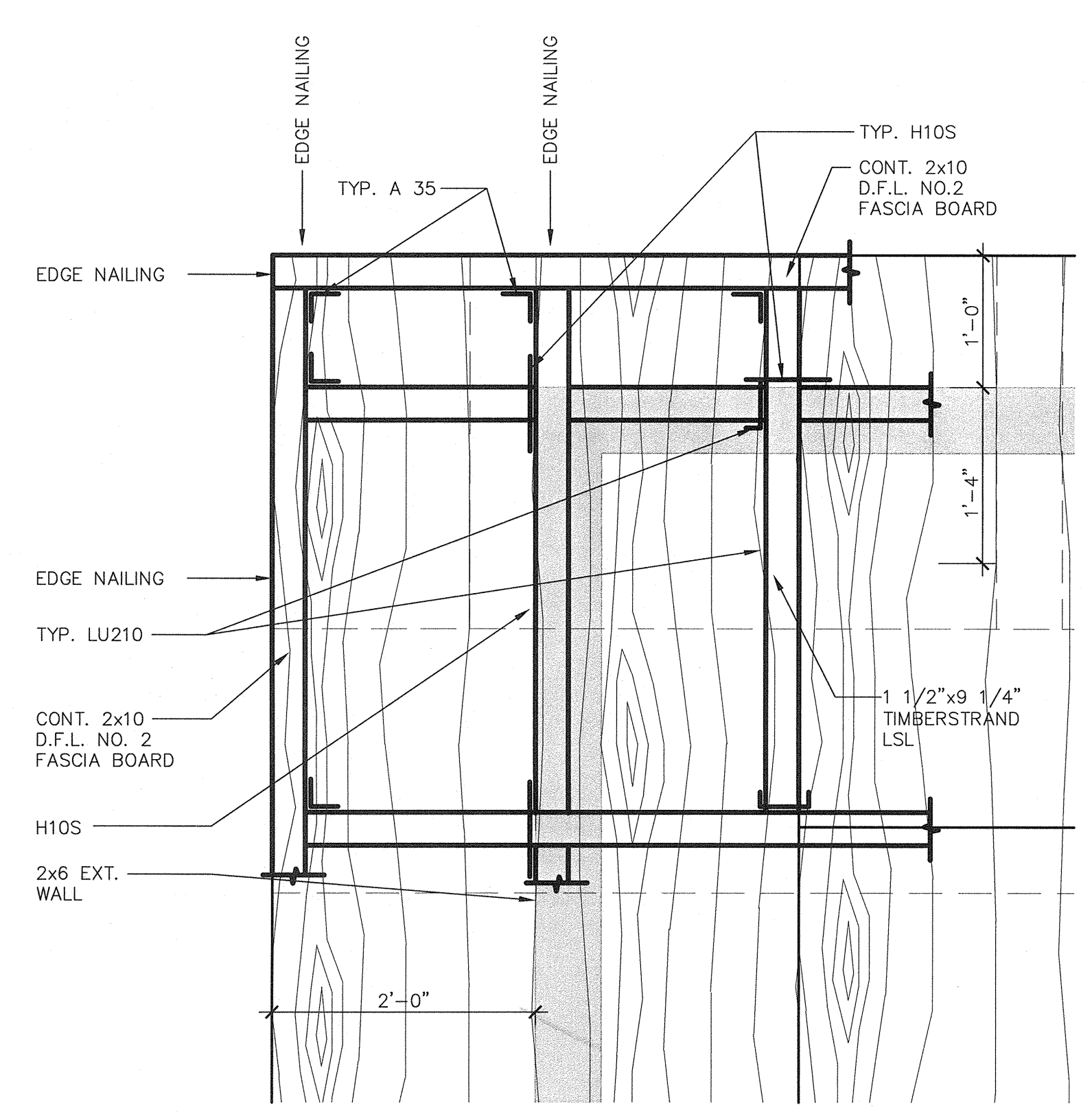
**1 FOUNDATION AND SHEARWALL PLAN**  
 SCALE: 1/8" = 1'-0"



**2 CEILING FRAMING PLAN**  
 SCALE: 1/8" = 1'-0"



**3 ROOF FRAMING PLAN**  
 SCALE: 1/8" = 1'-0"



**4 ROOF CORNER FRAMING**  
 SCALE: 1" = 1'-0"

**HOLDOWN SCHEDULE**

SYMB	TYPE
▲	SIMPSON HTT4 WITH #10 HEAVY HEX HEAD ANCHOR BOLT (9" EMBED.) SEE 4/S1.02 SM. AND USING 18 - 16d x 2 1/2" FASTENERS TO SINGLE 4 x 6 STUD

**SHEARWALL SCHEDULE**

SYMB	TYPE
⊗	3/8" THK. STRUCT I SHEATHING W/ 8d NAILS, 6" o.c. ALL EDGES AND 12" o.c. AT FIELDS BLOCKED PROVIDE #6 L ANCHOR BOLTS @ 48" o.c. MAX AND MIN. (4) ANCHORS PER SHEARWALL (7" MIN EMBEDMENT)

**FOOTING SCHEDULE**

LINE	SIZE	REINFORCEMENT
(A)	16" WIDE 18" BELOW UNDISTURBED SOIL	(2) #5 CONT. T&B
(B)	18" WIDE 18" BELOW UNDISTURBED SOIL	(2) #5 CONT. T&B
(C)	18" WIDE 18" BELOW UNDISTURBED SOIL	(2) #5 CONT. T&B
(D)	16" WIDE 18" BELOW UNDISTURBED SOIL	(2) #5 CONT. T&B
(1)	16" WIDE 18" BELOW UNDISTURBED SOIL	(2) #5 CONT. T&B
(2)	16" WIDE 18" BELOW UNDISTURBED SOIL	(2) #5 CONT. T&B

**FOUNDATION NOTES**

- A. SEE NOTES & DETAILS ON SHEET S1.01 & S1.02
- B. DIMENSIONS ARE TO CENTERLINE OF COLUMN OR FACE OF STUD UNLESS OTHERWISE NOTED.
- C. TOP OF FOOTING ELEV. TO BE AT (-) 0'-6" UNLESS OTHERWISE NOTED.
- D. REFER TO SITE PLAN FOR LOCATION AND DIMENSIONS OF SIDEWALKS, MOWSTRIPS, AND PLANTERS.
- E. INDICATES AREA OF DEPRESSED SLAB SEE 3/S1.02 FOR TYP. PERIMETER SECTION. U.N.O.
- F. FOR METHOD OF POUR OF CONCRETE SLABS ON GRADE, AND LOCATION OF CONTROL AND CONSTRUCTION JOINTS SEE 6/S1.02.
- G. FOR REBAR SPLICE REQUIREMENTS SEE 1/S1.02.
- H. REBAR BENDING AND FABRICATION TO BE PER 12, 13, 14, 15/S1.02.
- I. COORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS.
- J. PENETRATION OF FOOTINGS WITH PLUMBING PER 10/S1.02.
- K. NOT USED
- L. FOUNDATIONS TO BE FORMED PER 2/S1.02
- M. VERIFY ALL DIMENSIONS W/ ARCH. PLANS.
- N. CONTRACTOR TO VERIFY WIDTH OF ALL DOOR OPENINGS.
- O. FOR CONSTRUCTION JOINT IN CONTINUOUS FOOTINGS SEE 8/S1.02.
- P. ALL COLUMNS AND WALLS ARE TO BE CENTERED ON PADS AND FOOTINGS RESPECTIVELY, U.N.O.
- Q. ALL EMBEDDED ITEMS SHALL BE IN PLACE AND SECURE PRIOR TO POURING OF CONCRETE.
- R. REFER TO DETAIL 4/S1.01 FOR NON-BEARING WALLS AT SLAB.

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 Phone (559) 436-0881 Fax (559) 436-0887 E-Mail: design@somam.com  
 www.integrateddesigns.com

Rev. Date	Revision Description

**STRUCTURAL PLANS**  
 MT. VERNON ELEMENTARY SCHOOL  
 KITCHEN ADDITION  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA, 93311

Sheet Title: **STRUCTURAL PLANS**  
 Date: 07/20/12  
 Designer: [Signature]  
 Checker: [Signature]  
 Plotter: C/JM

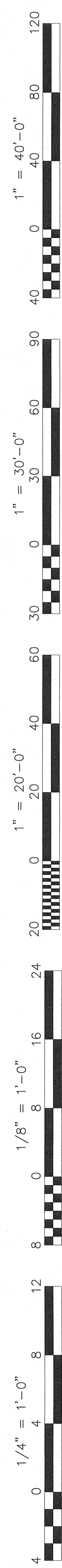
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 FILE # 15-6  
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 DIV. OF THE STATE ARCHITECT  
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 03-114521  
 AC: FLS SS  
 DATE: 8/1/12  
 TRACKING #: 63321-118

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Job No.: **3990**  
 Sheet No.: **S2.01**  
 Release: -

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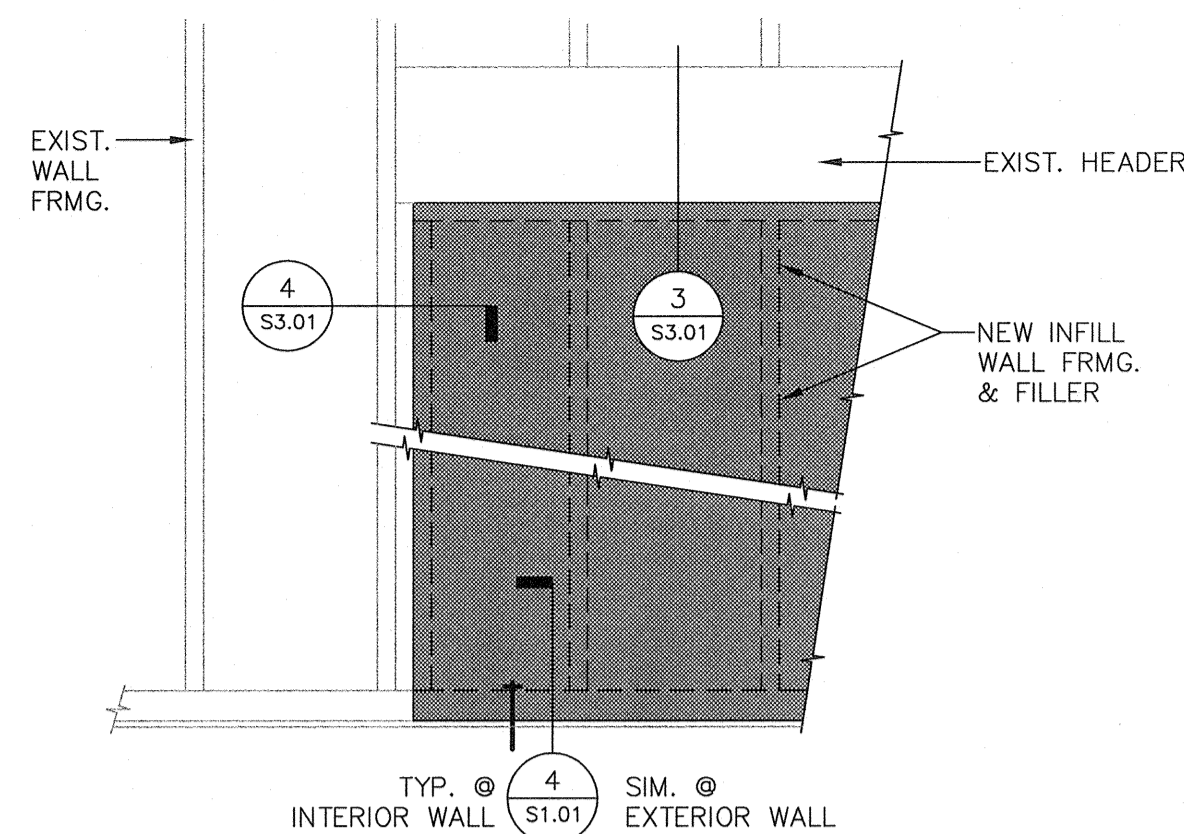




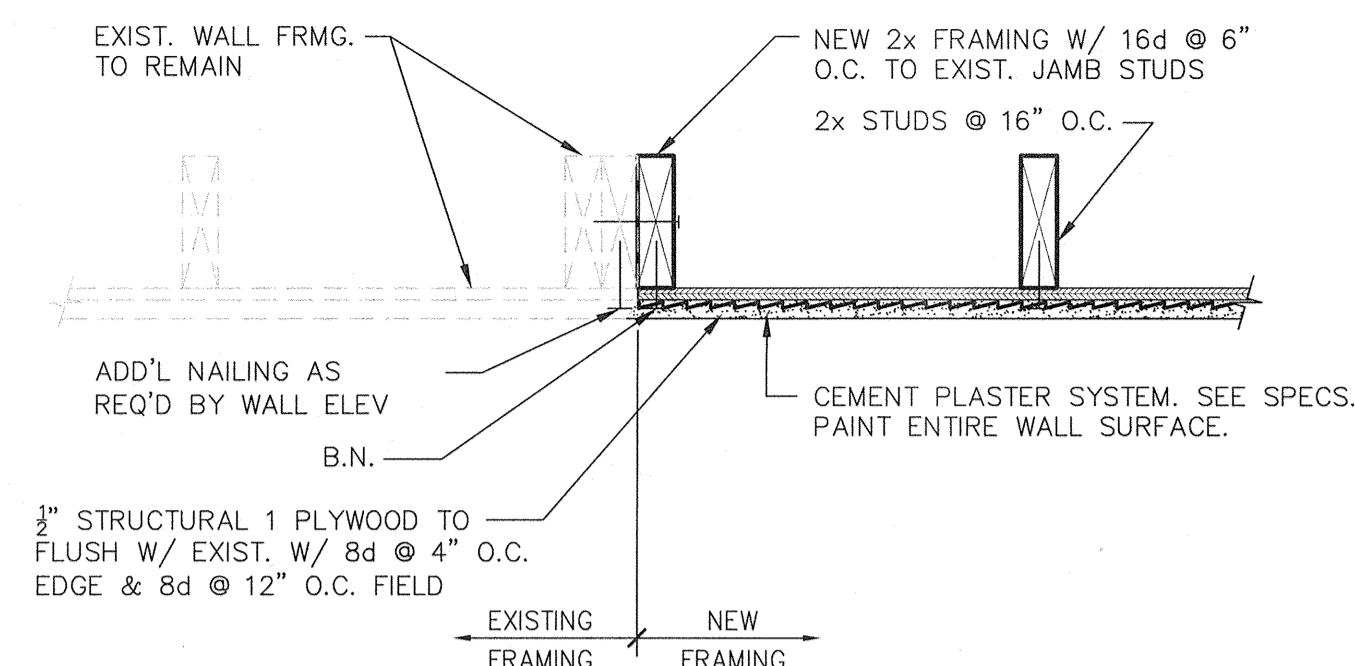
### HEADER SCHEDULE

CLEAR SPAN OF OPENING	HEADER SIZE	NUMBER OF TRIMMERS	NUMBER OF KING STUDS		NUMBER OF SILL PLATES	
			EXTER.	INTER.	EXTER.	INTER.
UP TO 4'-0"	6x4	1	1	1	1	1
4'-1" TO 6'-0"	6x8	1	2	2	1	1

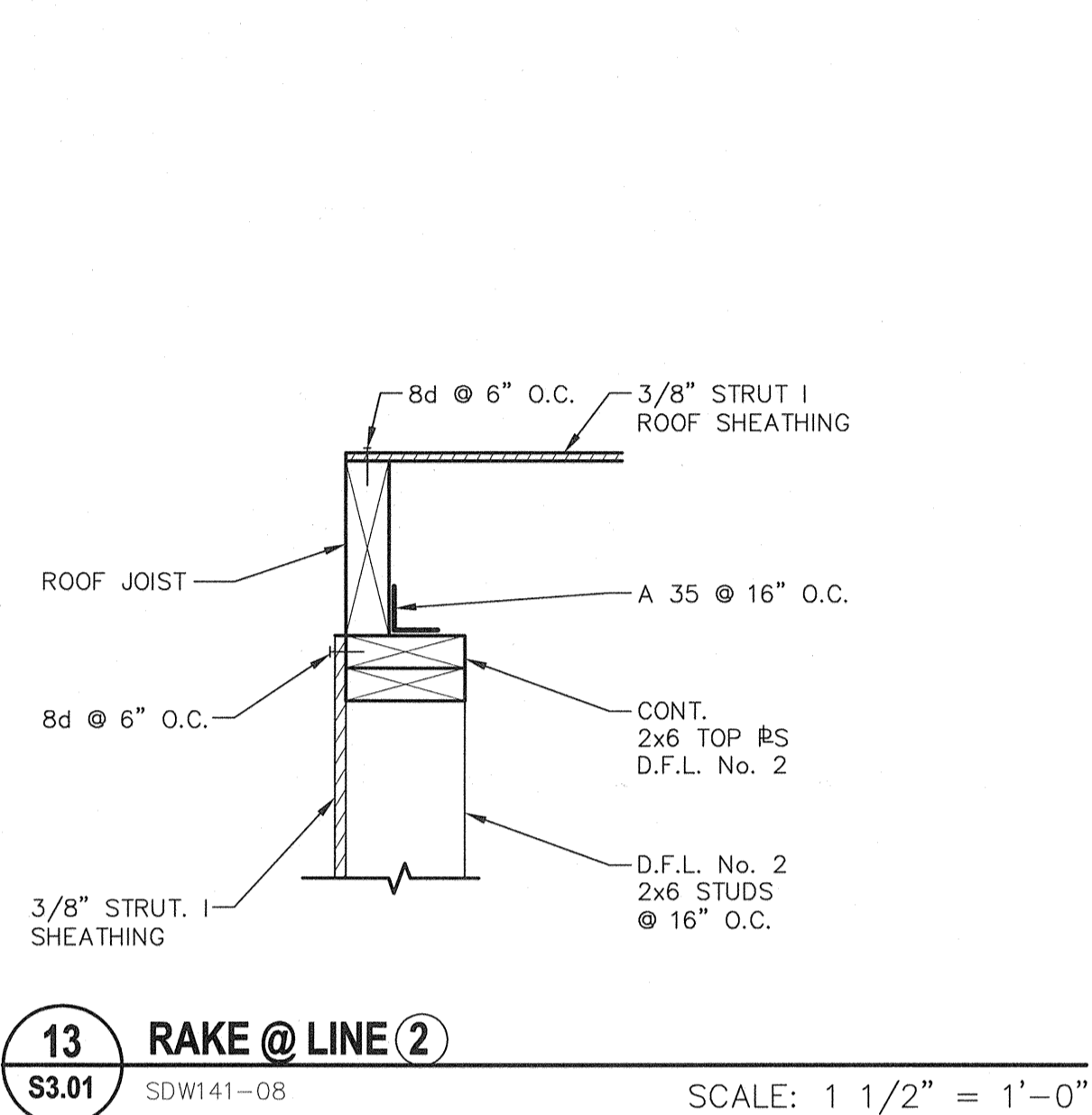
- NOTES:**
- NOT USED
  - DETAILS AND MEMBER SIZES ARE TYPICAL UNLESS OTHERWISE NOTED OR DETAILED.
  - NOTES AND MEMBER SIZES SHOWN ON FRAMING PLANS SHALL TAKE PRECEDENCE OVER SCHEDULE.



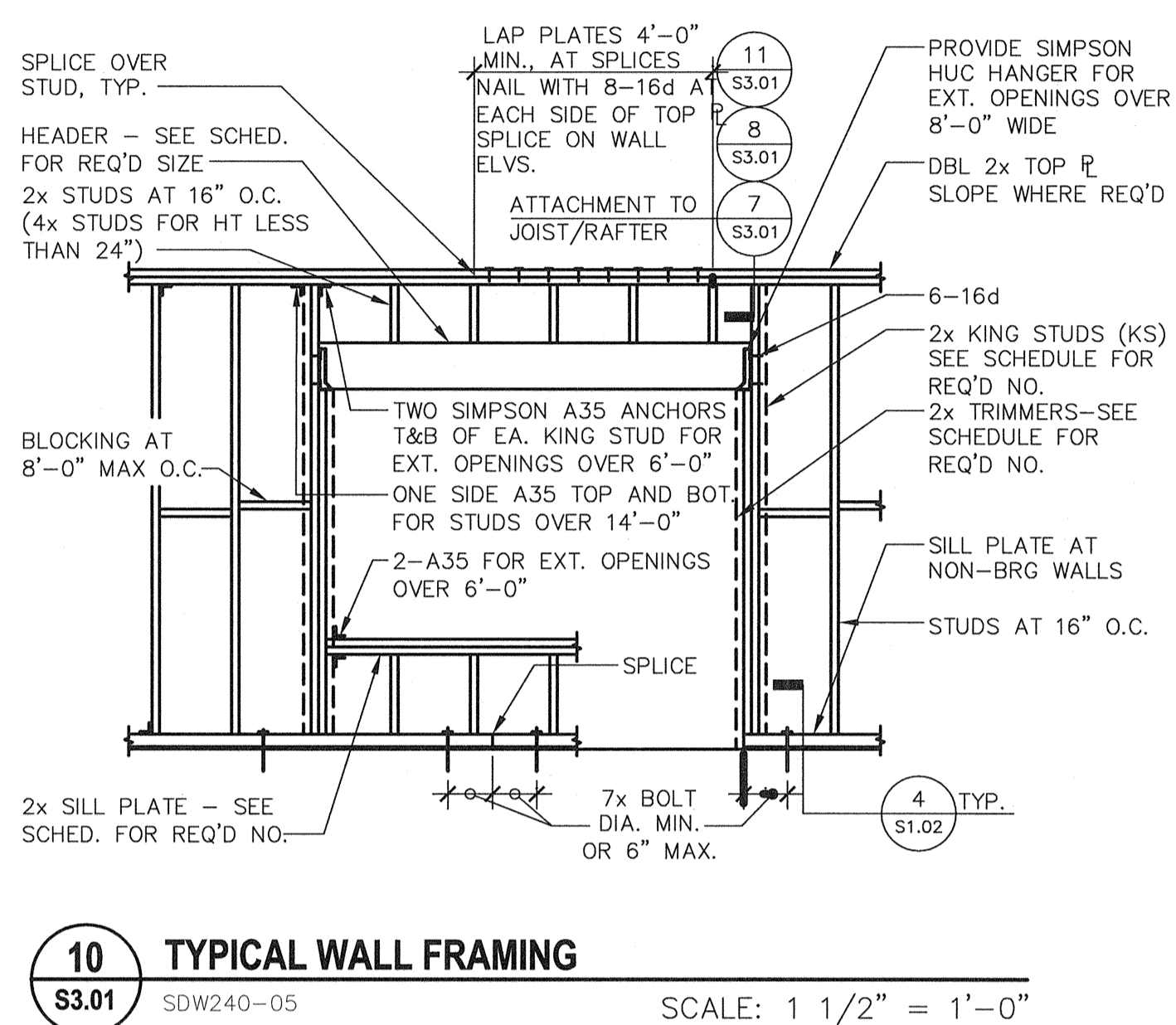
**5 TYP. OPENING INFILL FRAMING ELEVATION**  
 S3.01 SDW141-01 SCALE: 3/4" = 1'-0"



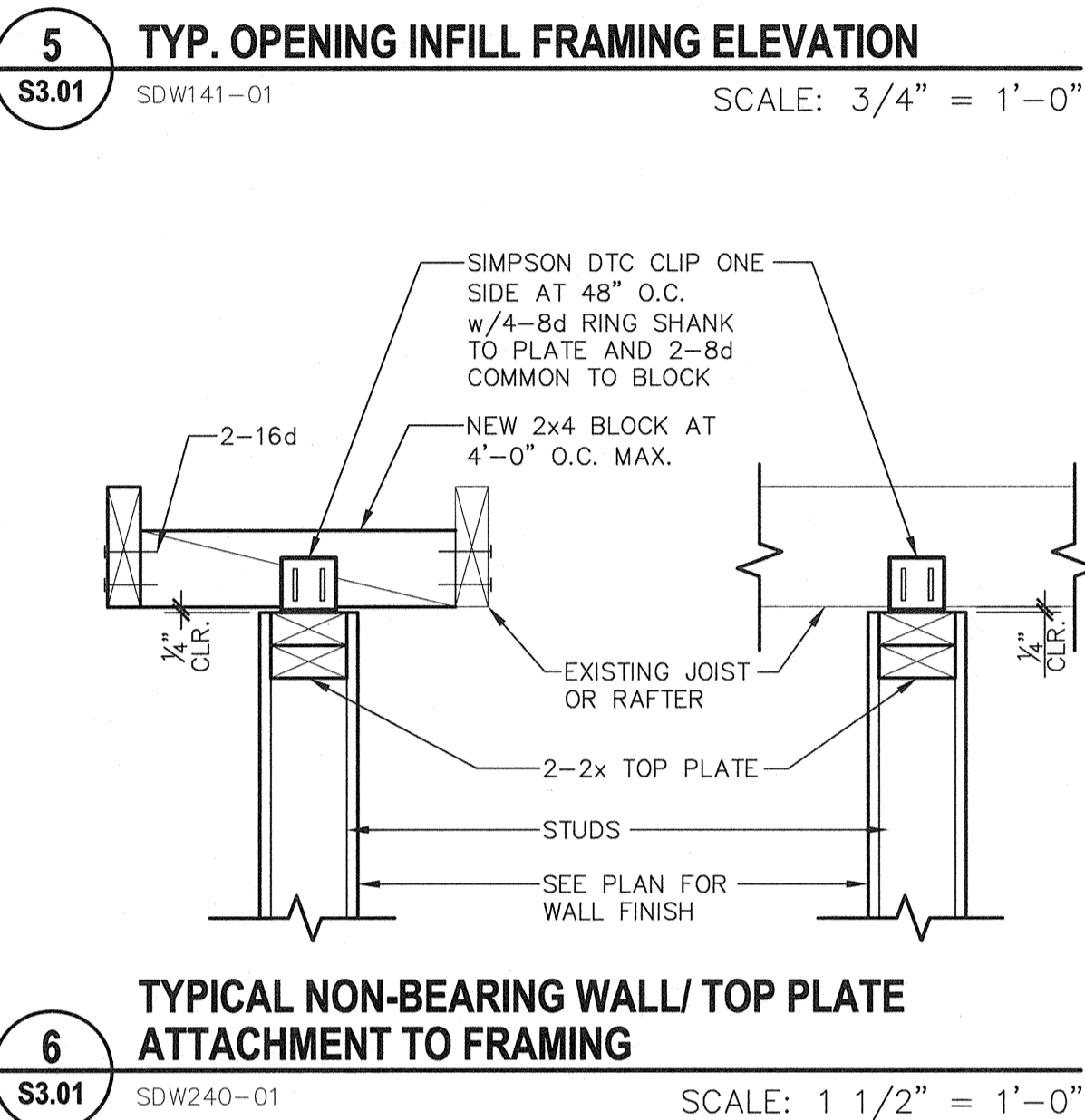
**1 TYPICAL INFILL FRAMING**  
 S3.01 ADW141-21 SCALE: 1 1/2" = 1'-0"



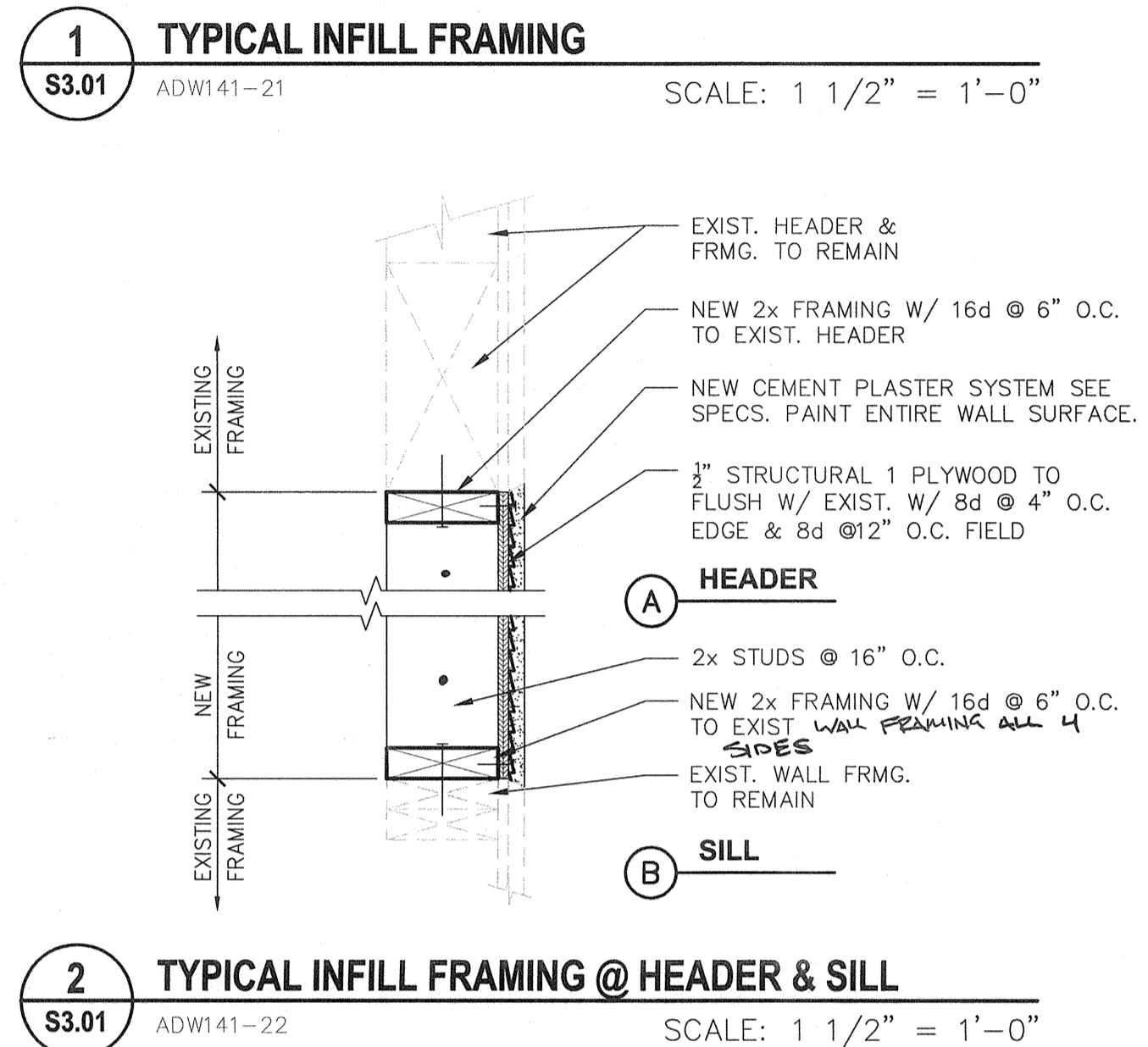
**13 RAKE @ LINE**  
 S3.01 SDW141-08 SCALE: 1 1/2" = 1'-0"



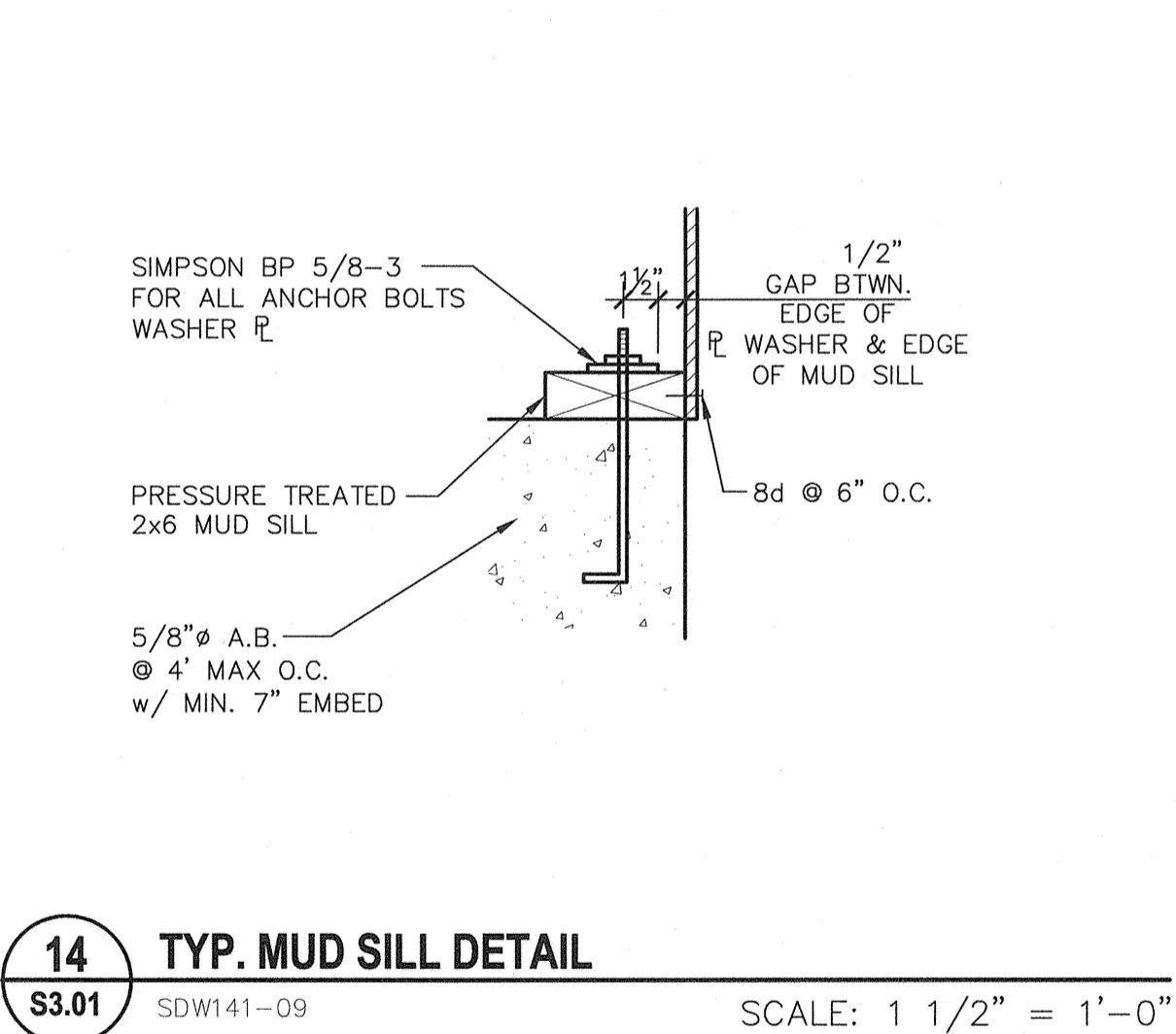
**10 TYPICAL WALL FRAMING**  
 S3.01 SDW240-05 SCALE: 1 1/2" = 1'-0"



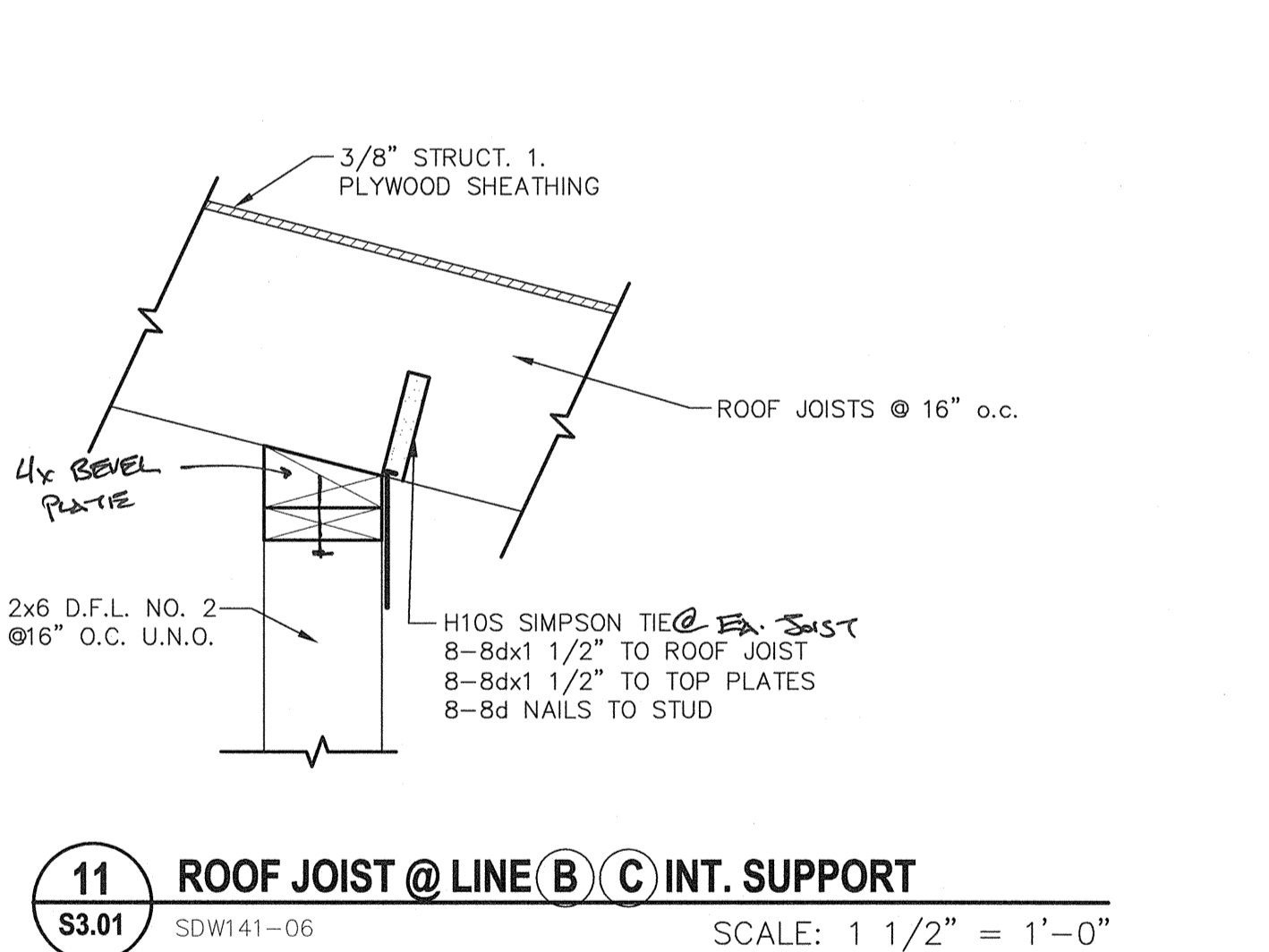
**6 TYPICAL NON-BEARING WALL/ TOP PLATE ATTACHMENT TO FRAMING**  
 S3.01 SDW240-01 SCALE: 1 1/2" = 1'-0"



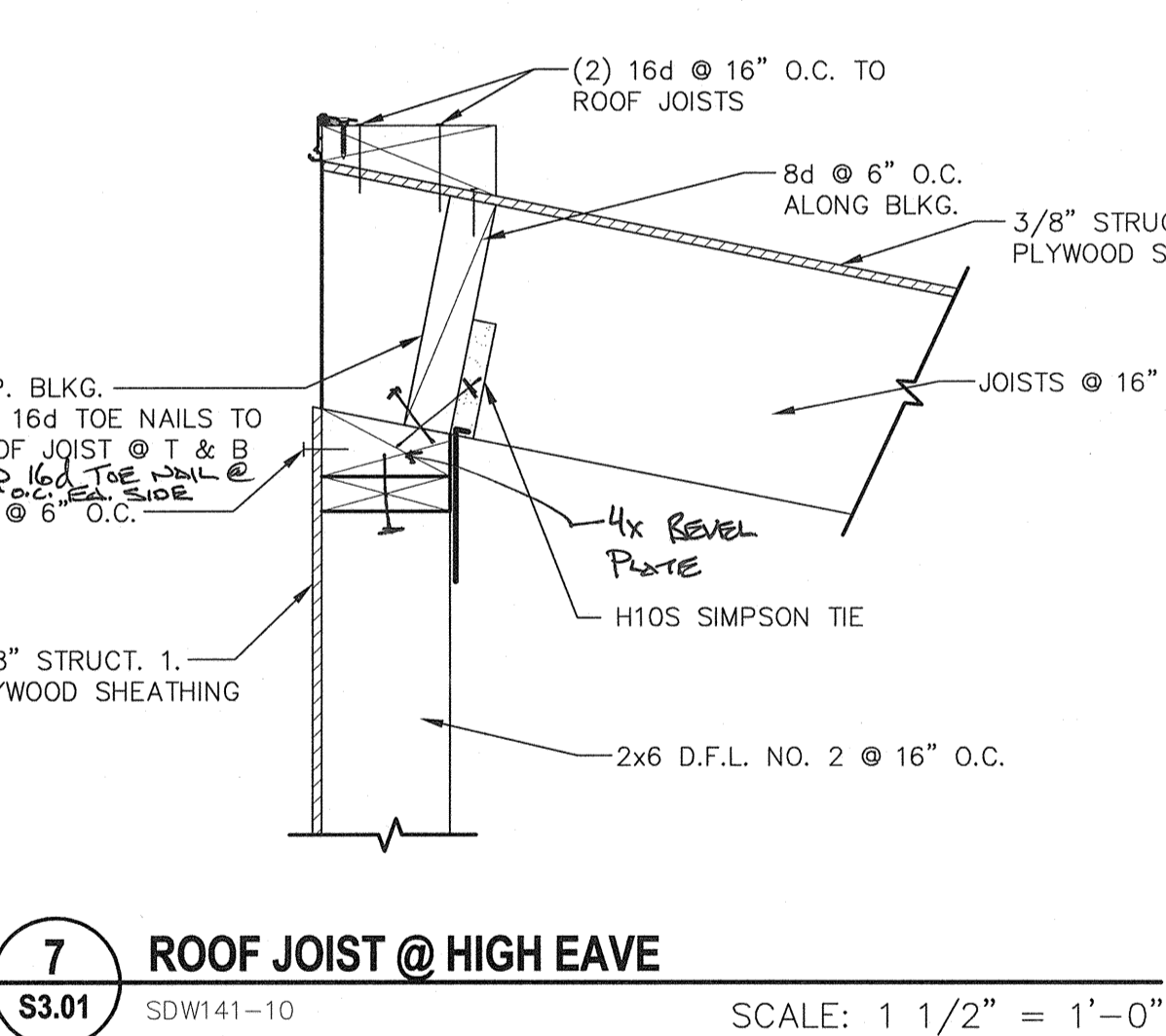
**2 TYPICAL INFILL FRAMING @ HEADER & SILL**  
 S3.01 ADW141-22 SCALE: 1 1/2" = 1'-0"



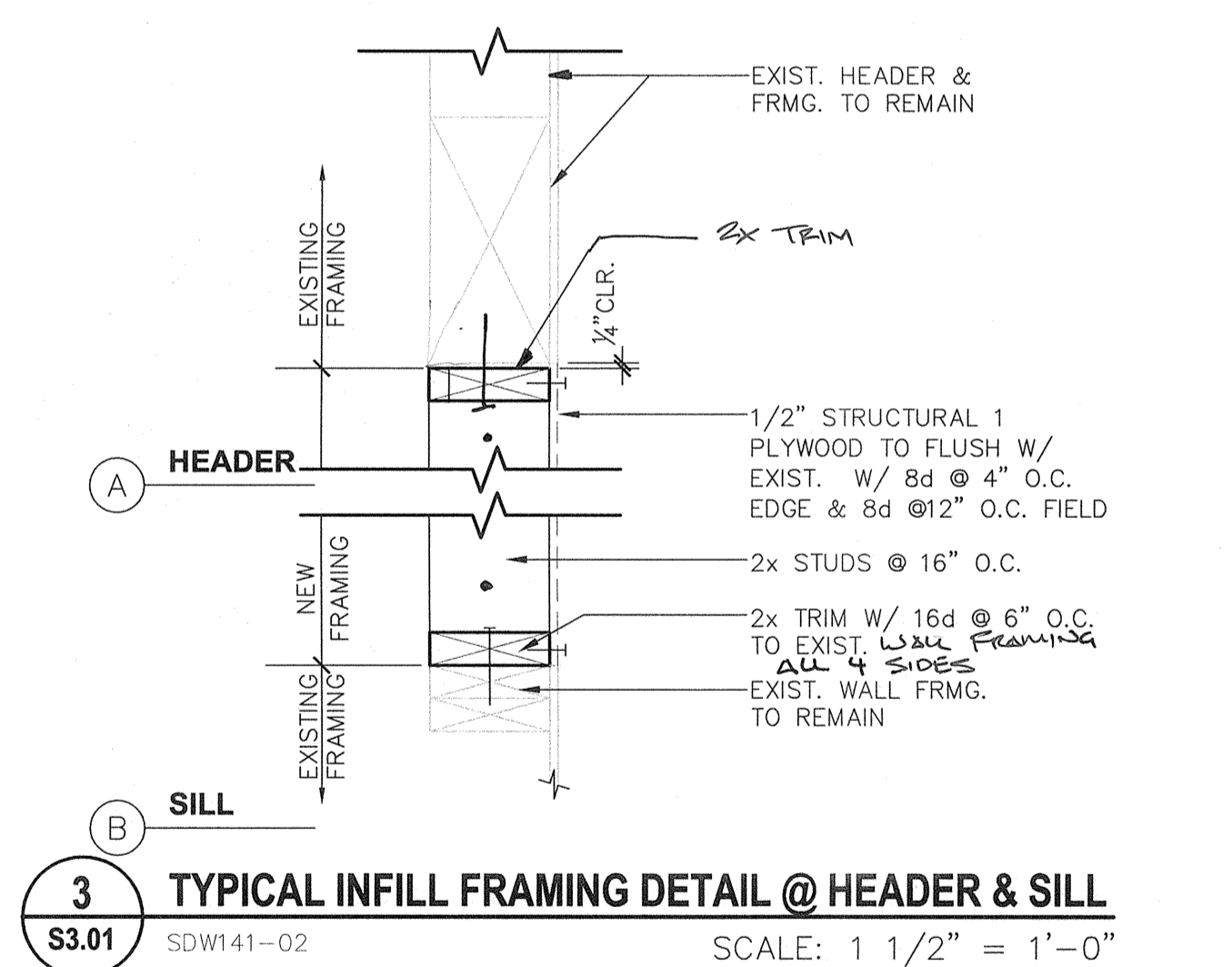
**14 TYP. MUD SILL DETAIL**  
 S3.01 SDW141-09 SCALE: 1 1/2" = 1'-0"



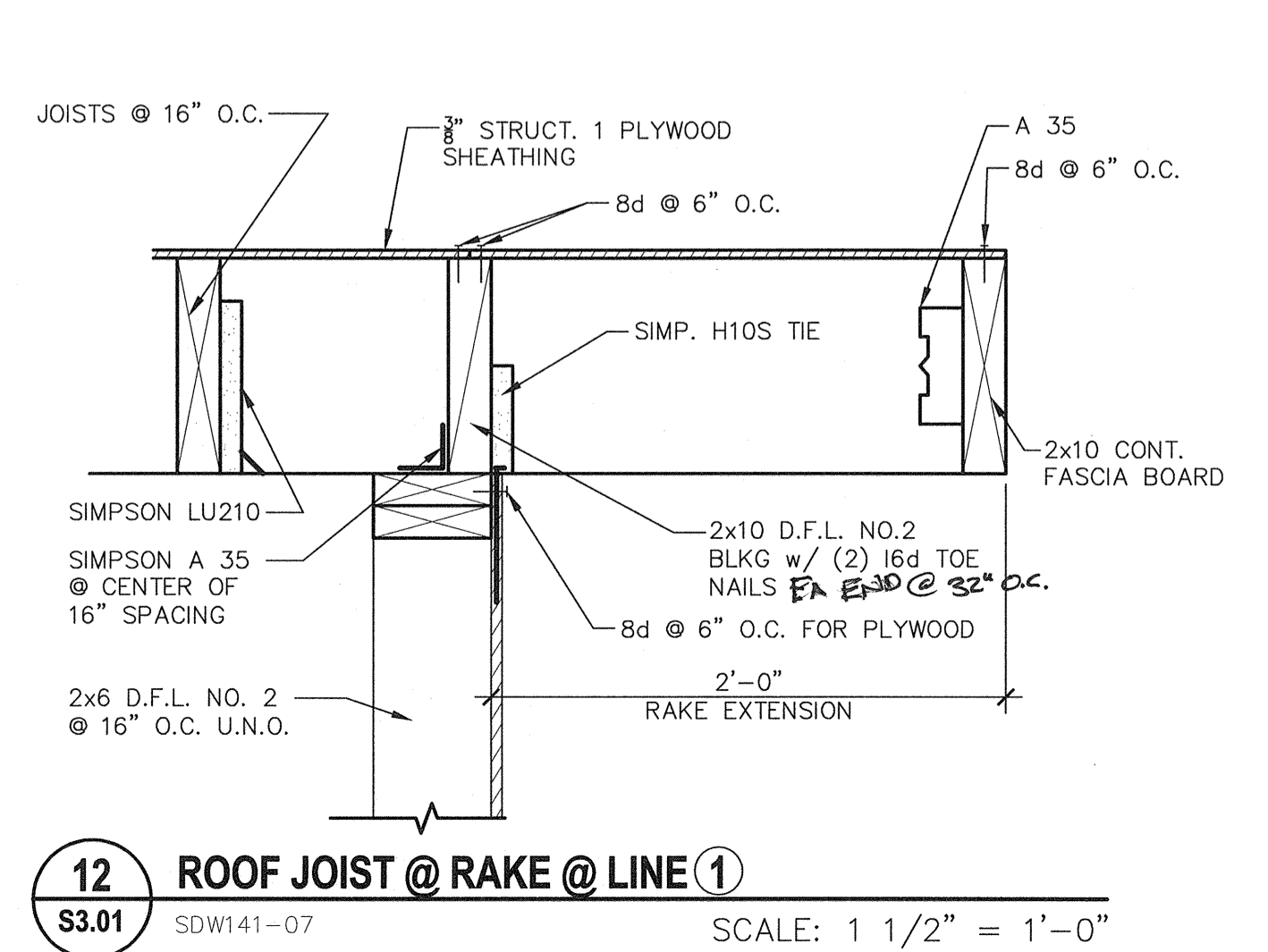
**11 ROOF JOIST @ LINE (B) (C) INT. SUPPORT**  
 S3.01 SDW141-06 SCALE: 1 1/2" = 1'-0"



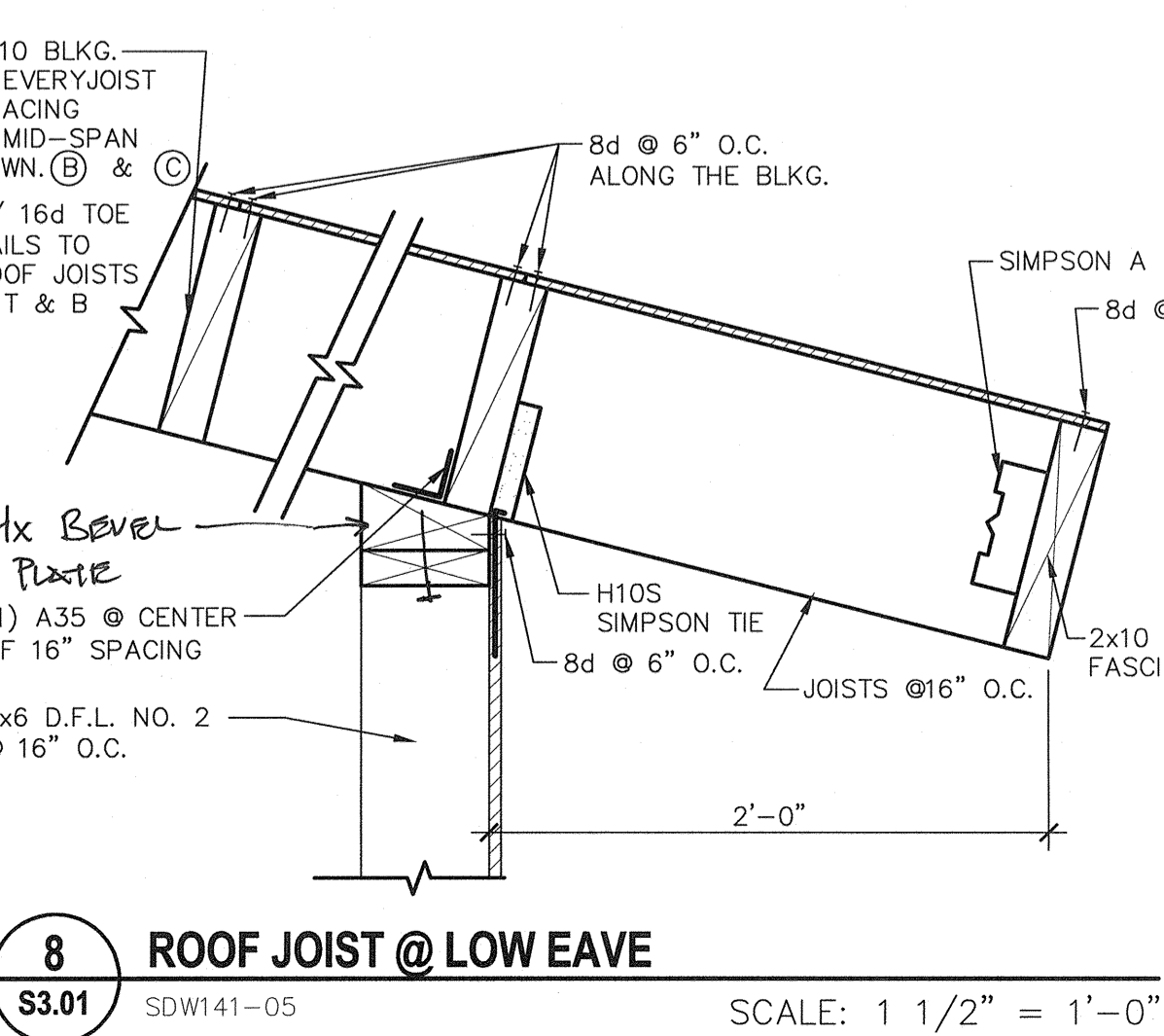
**7 ROOF JOIST @ HIGH EAVE**  
 S3.01 SDW141-10 SCALE: 1 1/2" = 1'-0"



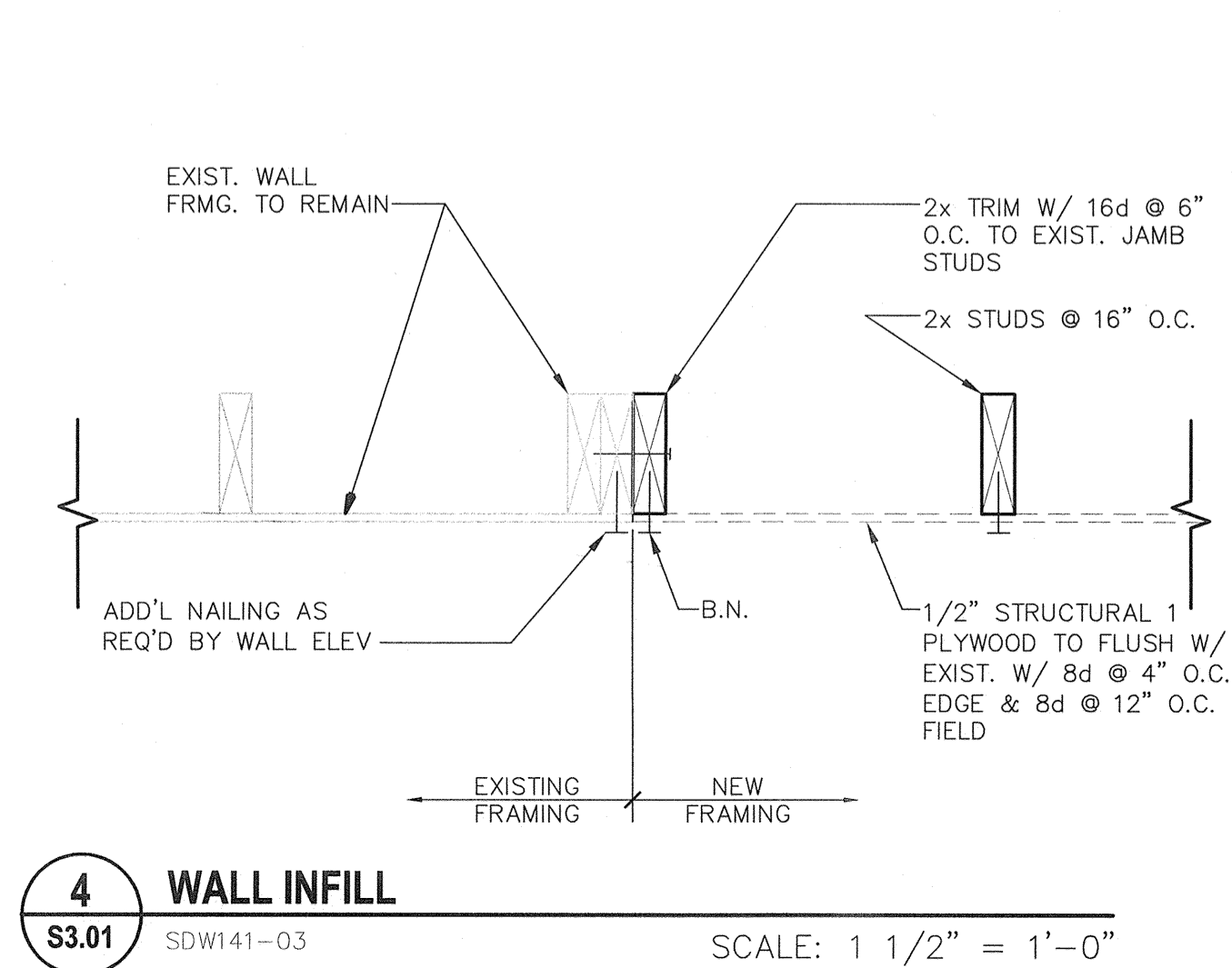
**3 TYPICAL INFILL FRAMING DETAIL @ HEADER & SILL**  
 S3.01 SDW141-02 SCALE: 1 1/2" = 1'-0"



**12 ROOF JOIST @ RAKE @ LINE**  
 S3.01 SDW141-07 SCALE: 1 1/2" = 1'-0"



**8 ROOF JOIST @ LOW EAVE**  
 S3.01 SDW141-05 SCALE: 1 1/2" = 1'-0"



**4 WALL INFILL**  
 S3.01 SDW141-03 SCALE: 1 1/2" = 1'-0"

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Rev. Date:	Revision Description:

**STRUCTURAL DETAILS**

**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 2161 POTOMAC AVENUE BAKERSFIELD CA, 93311

Project Name & Address:  
 Design: [Signature]  
 Date: 07/31/12  
 Scale: [Blank]  
 Title: [Blank]

Agency Approval Stamp:

FILE # 15-6  
 IDENTIFICATION STAMP  
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 OFFICE OF REGULATION SERVICES  
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 AC: [Blank] FLS: [Blank] SS: [Blank]  
 DATE: 8/1/12  
 TRACKING #: 63321-118

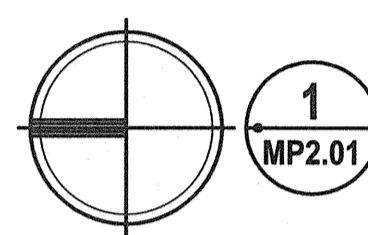
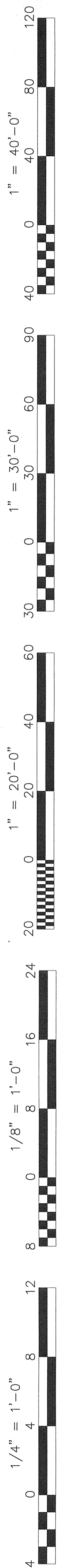
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 No. 3877  
 Exp. 6-30-15  
 1/30/12

Job No.: **3990**

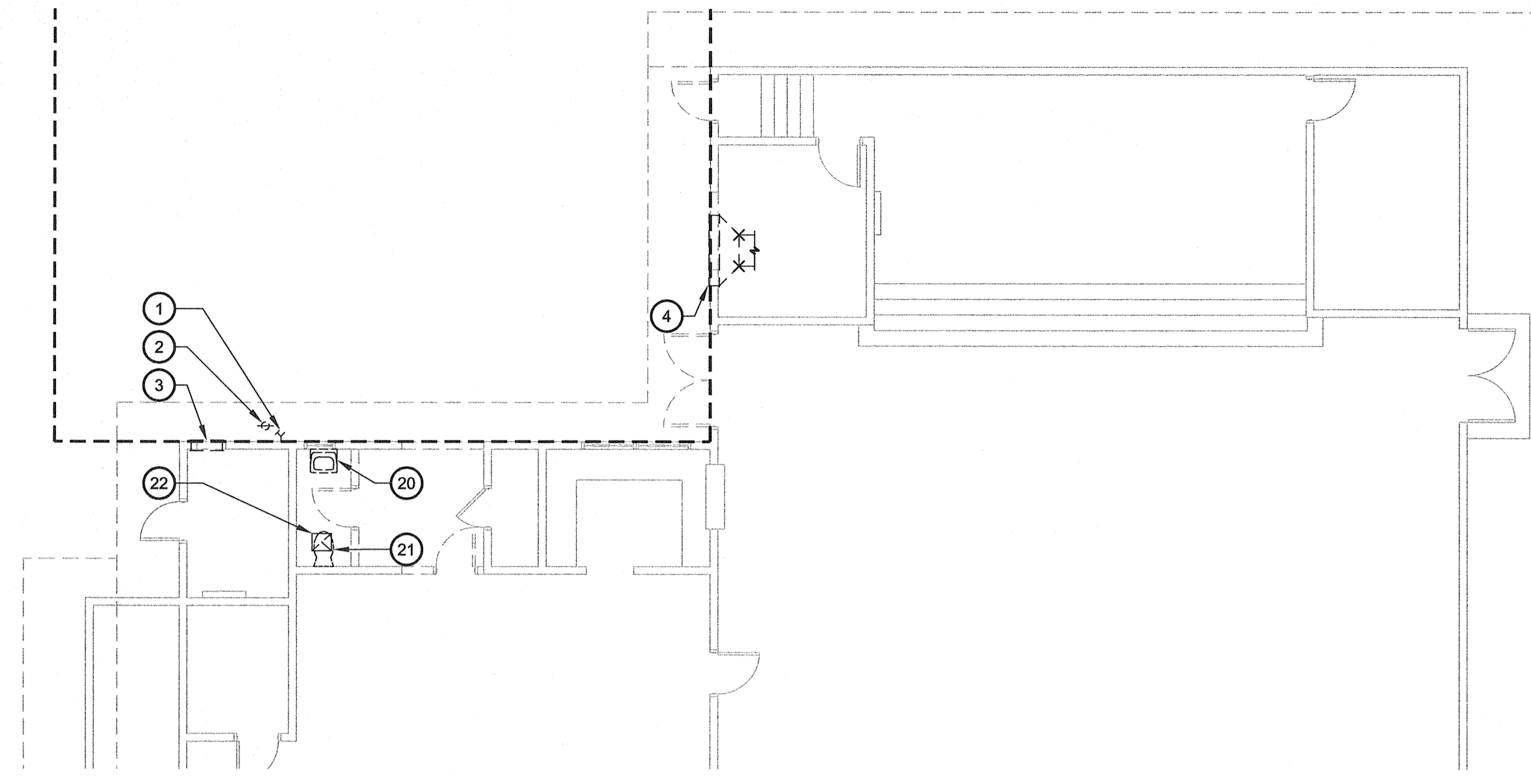
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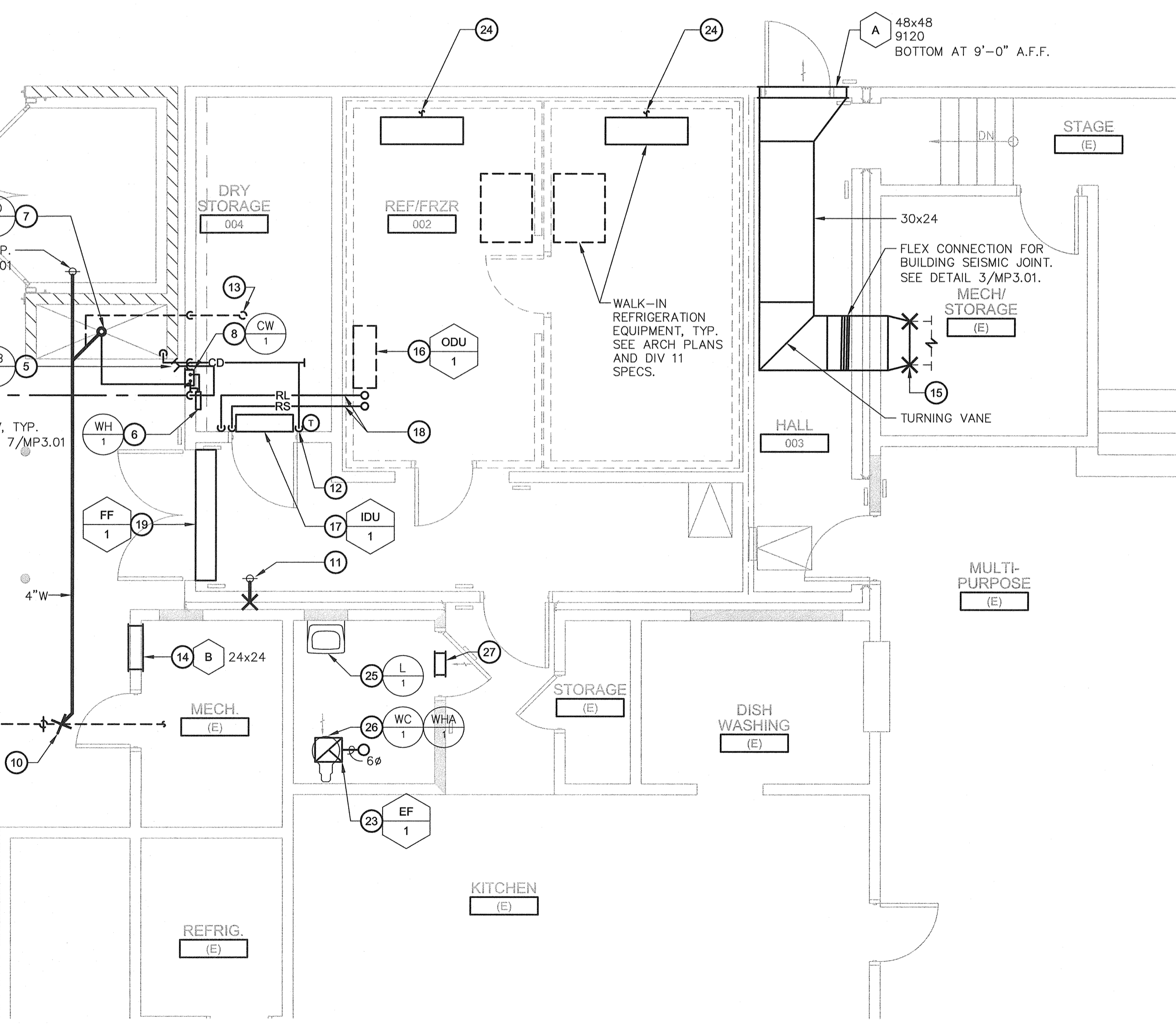
### MECHANICAL DEMOLITION PLAN KITCHEN ADDITION

SCALE: 1/8" = 1'



### MECHANICAL PLAN KITCHEN ADDITION

SCALE: 1/4" = 1'



#### HVAC LEGEND

SYMBOL	DESCRIPTION	ABBR
	EQUIPMENT DESIGNATION	
	UNIT ABBREVIATION	AC-1
	NUMBER	
	GRILLE DESIGNATION	
	NECK SIZE & BLOW	
	CFM	
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EXH
	ACOUSTIC LINED DUCT	(L)
	DUCT RISER	
	DUCT DROP	
	VOLUME CONTROL DAMPER	VCD
	THERMOSTAT - 48" MAX. TO TOP OF BOX	T'STAT
	SWITCH	
	EXISTING	(E)
	NEW	(N)
	OUTSIDE AIR	OSA
	POINT OF CONNECTION	POC
	TYPICAL	TYP
	REFRIGERANT LIQUID	RL
	REFRIGERANT SUCTION	RS

#### PLUMBING LEGEND

SYMBOL	ABBR	DESCRIPTION
	S. W. D.	SOIL, WASTE OR DRAIN
	V	VENT
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	DOMESTIC HOT WATER RETURN
	G	LOW PRESSURE NATURAL GAS
	HPG	HIGH PRESSURE NATURAL GAS
	RWL	RAIN WATER LEADER
	OL	OVERFLOW LEADER
	CD	CONDENSATE DRAIN
	FCO	FLOOR CLEANOUT
	COTG	CLEANOUT TO GRADE
	WCO	WALL CLEANOUT
	VTR	VENT THROUGH ROOF
	GV OR SOV	GATE OR SHUT - OFF VALVE
	BV	BALL VALVE
	GC	GAS COCK
	CV	CHECK VALVE
	BF	BUTTERFLY VALVE
	STR	STRAINER
		UNION
		ELBOW UP
		ELBOW DOWN
	RED	REDUCER
	HB	HOSE BIBB
	PRV	PRESSURE RELIEF VALVE
	POC	POINT OF CONNECTION
		CAP

- #### KEY NOTES
- REMOVE EXISTING HOSE BIBB AND CAP PIPING BEHIND FINISH SURFACE.
  - REMOVE EXISTING COTGS AND REPLACE WITH NEW FCO. SEE MECH REMODEL PLAN.
  - REMOVE EXISTING HIGH AND LOW COMBUSTION AIR LOUVERS. INFILL AND PAINT WALL TO MATCH EXISTING. SEE ARCH PLAN.
  - REMOVE EXISTING WALL EXHAUST LOUVER AND DUCT. SEE MECH REMODEL PLAN.
  - 3/4"CW TO HOSE BIBB.
  - BRANCH 1/2"CW TO INSTANTANEOUS WATER HEATER.
  - 3/4" WATER LINE BELOW GRADE FROM CAN WASH CONTROL BOX TO CAN WASH DRAIN.
  - 3/4"CW & 1/2"HW TO CAN WASH CONTROL BOX.
  - POC 1"CW TO (E) CW BELOW GRADE. FIELD VERIFY SIZE AND LOCATION.
  - POC 4"W TO (E) SEWER BELOW GRADE. FIELD VERIFY SIZE AND LOCATION.
  - CONNECT TO (E) SEWER AND PROVIDE NEW FCO. FIELD VERIFY SIZE AND LOCATION.
  - CONNECT 3/4"CD TO INDOOR UNIT AND OFFSET ABOVE CEILING. DISCHARGE 3/4"CD TO CAN WASH DRAIN WITH AIR GAP.
  - 2" VTR.
  - PROVIDE (2) COMBUSTION AIR LOUVERS. TOP AT 6" BELOW CEILING AND BOTTOM AT 6" ABOVE FINISH FLOOR. SEAL WATER TIGHT.
  - POC NEW 30x24 EXH DUCT TO EXISTING. FIELD VERIFY SIZE AND LOCATION.
  - OUTDOOR UNIT ON ROOF PLATFORM. SEE 1/A4.01
  - INDOOR UNIT ON WALL. SEE 9/MP3.01.
  - REFRIGERANT PIPING ABOVE CEILING.
  - FLY FAN ON WALL ABOVE DOOR. SEE 11/MP3.01.
  - REMOVE EXISTING LAV AND REPLACE WITH NEW. EXTEND PIPING AS NEEDED AND RE-CONNECT.
  - REMOVE EXISTING WATER CLOSET AND REPLACE WITH NEW. EXTEND PIPING AS NEEDED AND RE-CONNECT.
  - REMOVE EXISTING CEILING EXHAUST FAN AND ASSOCIATED DUCTWORK AND REPLACE WITH NEW.
  - CEILING EXHAUST FAN WITH 6" ROUND EXHAUST DUCT UP THRU ROOF. TERMINATE MINIMUM OF 3 FEET FROM BUILDING OPENINGS AND 10 FEET FROM FRESH AIR INTAKE. RE-USE EXISTING ROOF OPENING WHEN POSSIBLE. PROVIDE FLASHING AND CAP ASSEMBLY. SEE 8/MP3.01.
  - CONNECT 1" CD TO REFRIG/FREEZER EQUIPMENT AND DISCHARGE TO CAN WASH DRAIN WITH AIR GAP. INSTALL CD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING INSULATION AND/OR HEAT TRACE. SEE 2/MP3.01.
  - EXTEND EXISTING PLUMBING UTILITIES AS NEEDED TO NEW LAV: 3/4"CW & HW, 2"V, 1-1/2"V. PROVIDE NEW P-TRAP, TRAP ARM, WATER STOP AND SUPPLY.
  - EXTEND EXISTING PLUMBING UTILITIES AS NEEDED TO NEW WATER CLOSET: 1-1/2"CW, 4"S, 2"V. PROVIDE NEW WATER STOP AND SUPPLY.
  - 12x12 DOOR LOUVER BY OTHERS. SEE ARCH PLANS.

#### MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2010 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22 AND ASCE 7-05 CHAPTER 6 AND 13.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

#### PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-05 SECTION 13.3 AS DEFINED IN ASCE 7-05 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2010 CBC, SECTIONS 1615A.1.20, 1615A.1.21 AND 1615A.1.22.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

- #### GENERAL PLUMBING & HVAC NOTES
- THE PLANS AND SPECIFICATIONS DESCRIBE THE PLUMBING AND HVAC WORK OF THIS PROJECT. ANY ITEMS MENTIONED IN ONE PART SHALL BE AS BINDING AS THOUGH MENTIONED IN BOTH. PROVIDE THE NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS AND SERVICES FOR A COMPLETE FUNCTIONING SYSTEM.
  - PLUMBING AND HVAC LAYOUTS INDICATED ON PLANS ARE DIAGRAMMATIC ONLY. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. EXACT LOCATION OF EQUIPMENT, DUCTWORK AND PIPES SHALL BE COORDINATED WITH OTHER TRADES.
  - PROVIDE CLEANOUTS PER CPC SECTIONS 707, 719 AND 1101.12.
  - PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE PER CBC SECTION 713. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE FIRE MARSHAL. SEE ARCHITECTURAL PLANS FOR LOCATION OF FIRE RATED ASSEMBLIES.
  - THE SEISMIC RESTRAINT OF MECHANICAL EQUIPMENT, DUCTWORK AND PIPES SHALL CONFORM TO 2010 CBC CHAPTER 16A.
  - PROVIDE FRESH AIR INTAKE SEPARATION FROM EXHAUST TERMINATION AND PLUMBING VENT TERMINATION PER CMC SECTION 510.8 AND CPC SECTION 906. COORDINATE WITH OTHER TRADES.

- #### GENERAL PLUMBING DEMOLITION NOTES
- DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES AS INDICATED ON PLANS. ALL REMOVED PLUMBING FIXTURES ARE TO BE PROTECTED AND STORED FOR POSSIBLE FUTURE USE.
  - CAP ALL COLD WATER, HOT WATER, SOIL, WASTE, VENT AND GAS LINES BELOW FLOOR OR ABOVE CEILING.
  - ALL PLUMBING UTILITIES TO REMAIN IN SERVICE DURING DEMOLITION. COORDINATE ALL SHUT-DOWNS WITH MAINTENANCE STAFF TO MINIMIZE INTERRUPTION OF SERVICE.
  - ALL EXISTING RISERS, DROPS, MAINS AND BRANCHES FOR EACH UTILITY TO REMAIN.
  - SEE ARCHITECTURAL DEMOLITION PLANS FOR FURTHER DETAILS AND NOTES.

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Rev. Date	Rev. Description

MECHANICAL PLAN  
MT. VERNON ELEMENTARY SCHOOL  
KITCHEN ADDITION  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA.

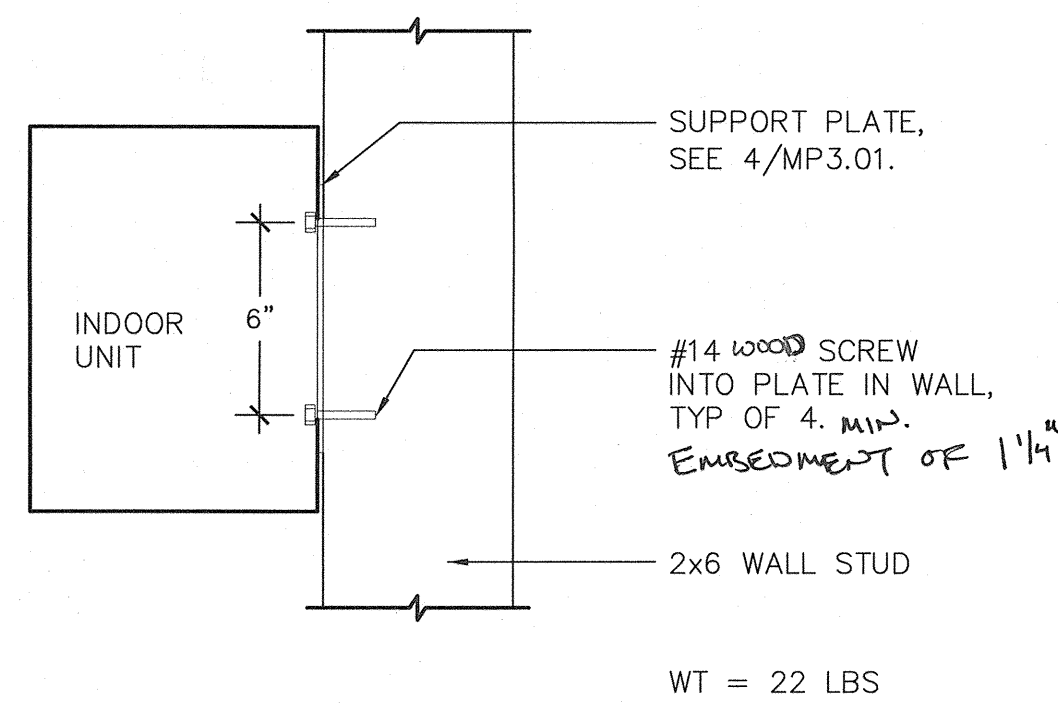
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Sheet Title:  
Issue Date: 07/20/12  
Date: 07/31/12  
Designer:  
DR:  
PC: CJM

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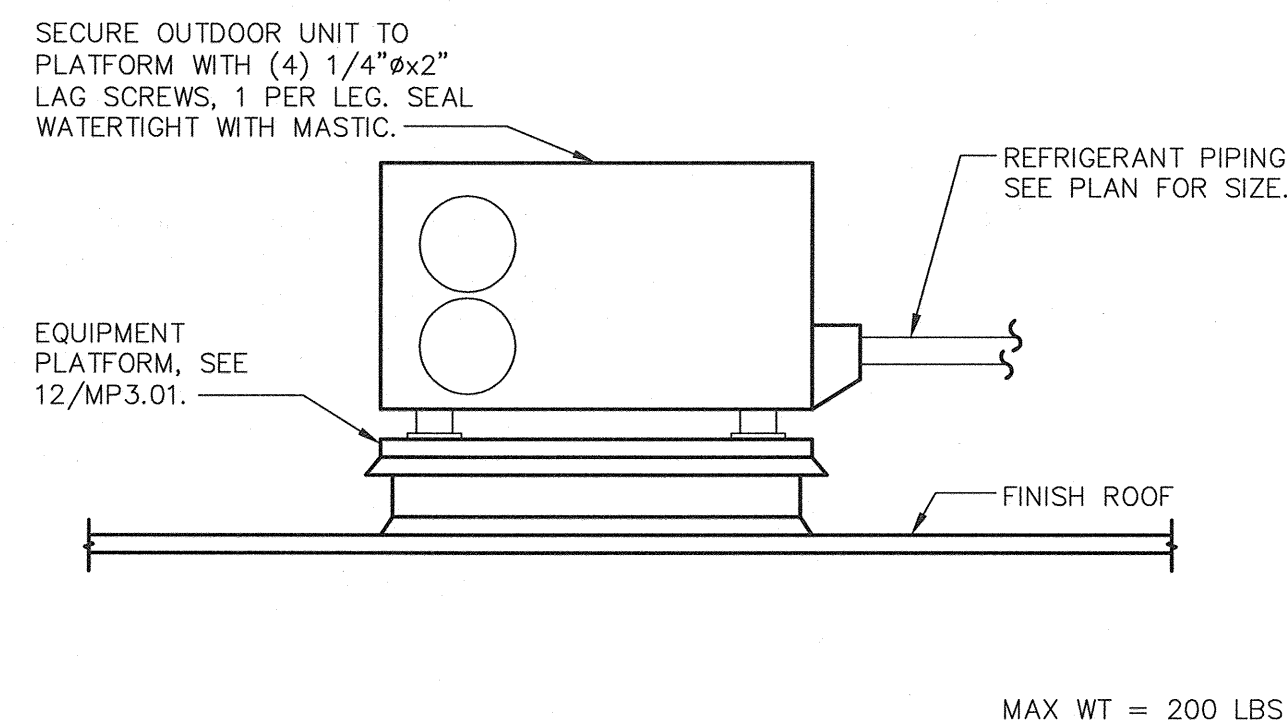
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32712  
DP: 6-30-14  
MECHANICAL

Job No.: 3990  
Sheet No.: MP2.01  
Release: -

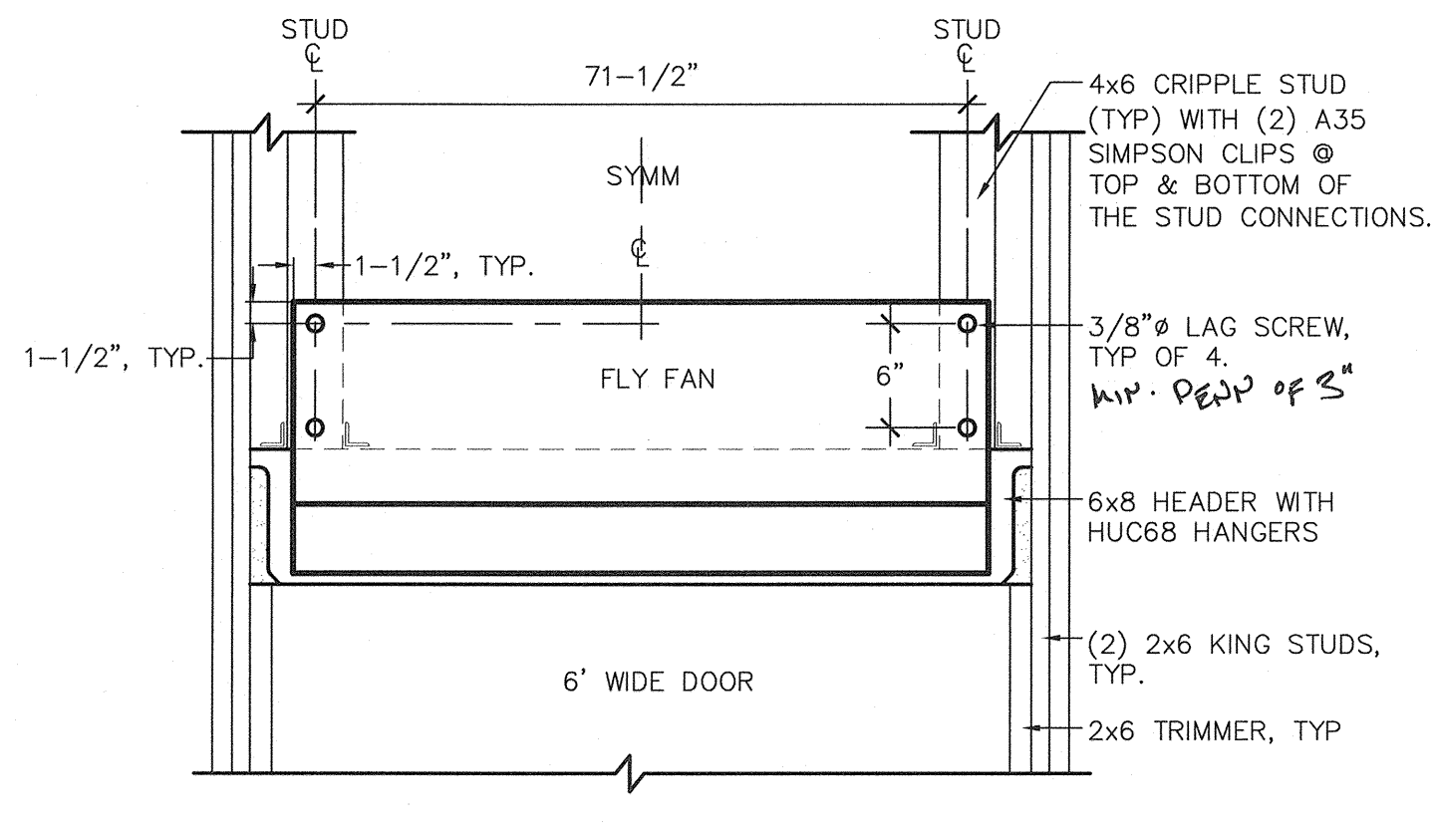
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1" = 20'-0"  
1" = 1'-0"  
1/8" = 1'-0"  
1/4" = 1'-0"



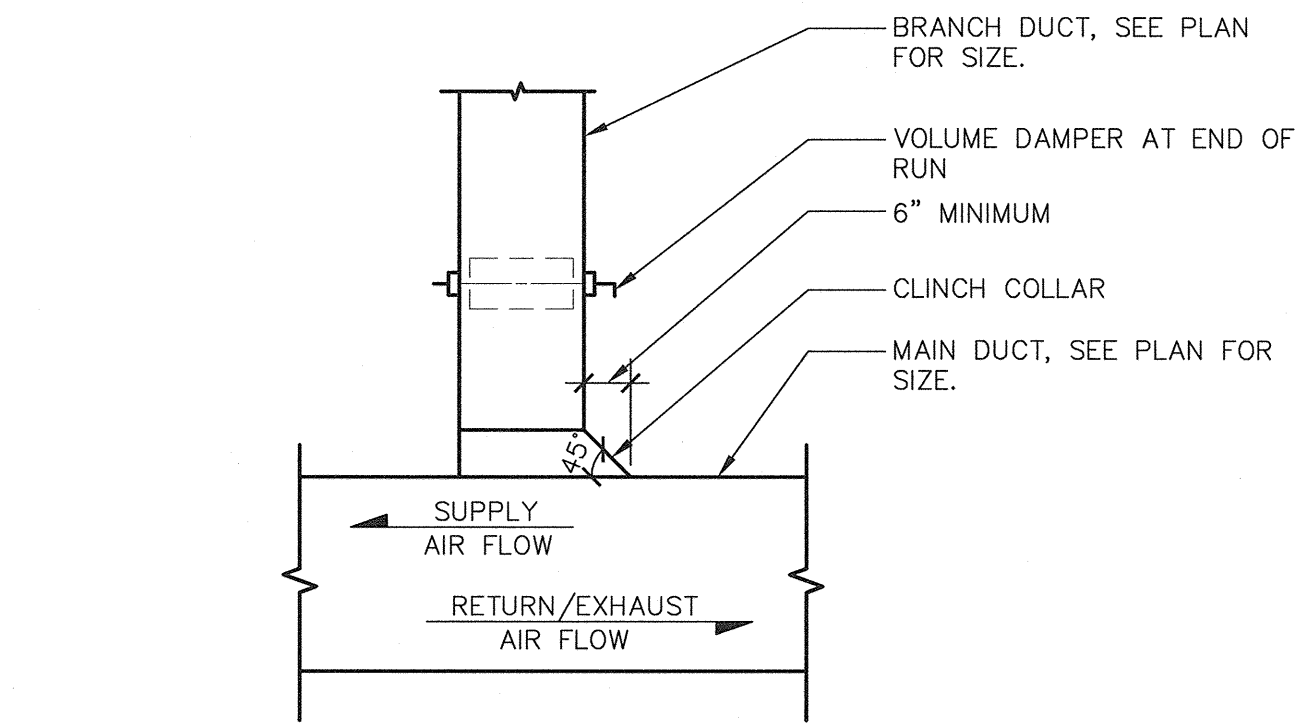
**9 INDOOR UNIT**  
MP3.01 SCALE: N.T.S.



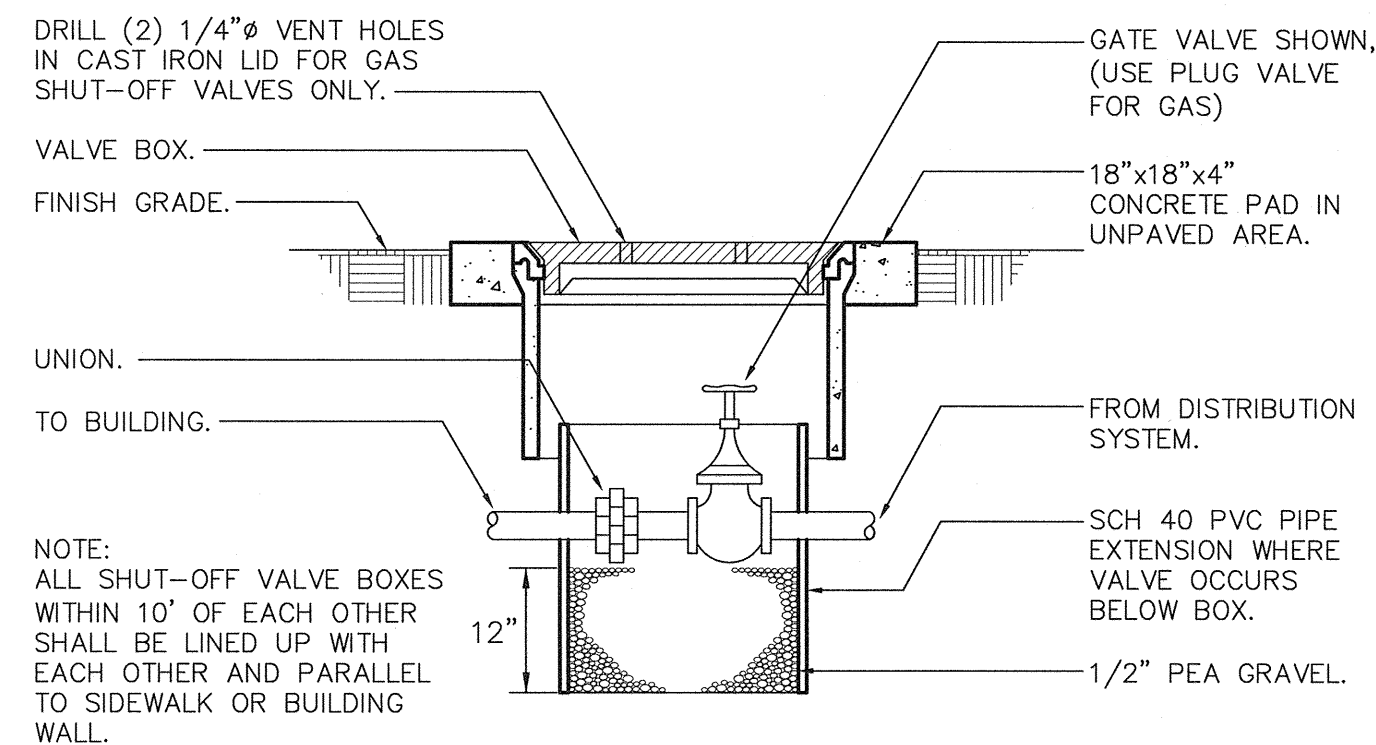
**10 OUTDOOR UNIT**  
MP3.01 SCALE: N.T.S.



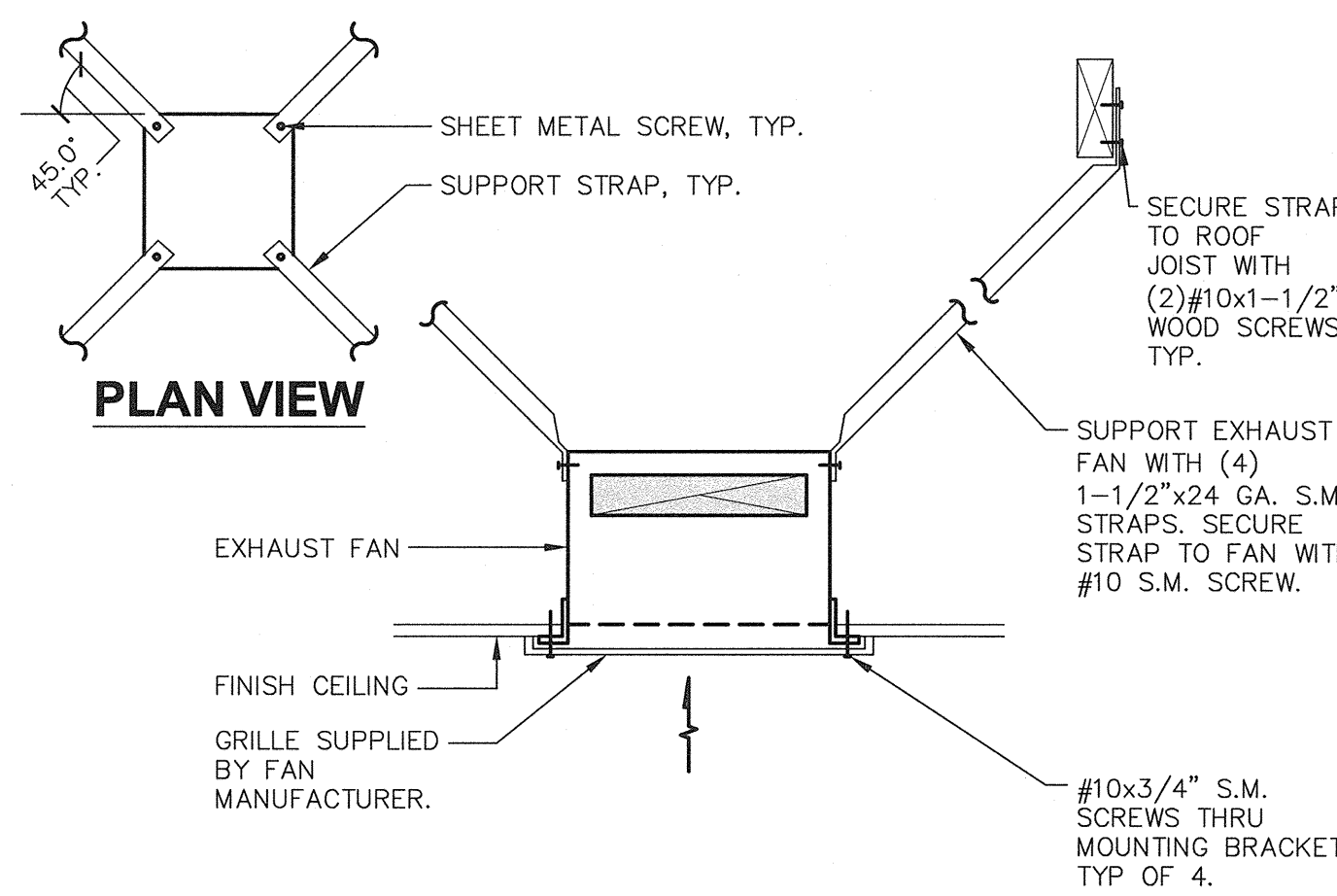
**11 FLY FAN**  
MP3.01 SCALE: N.T.S.



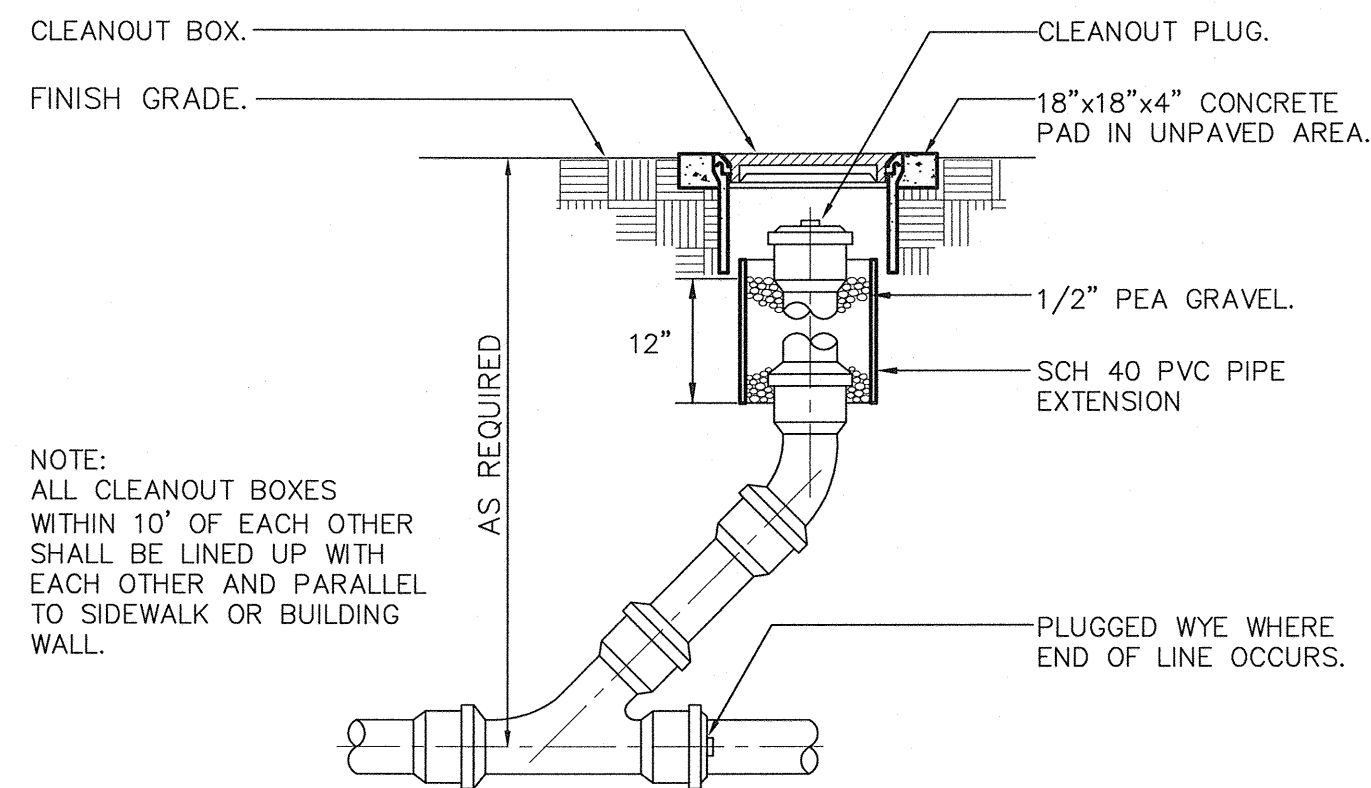
**6 RECTANGULAR DUCT - ANGULAR TAP**  
MP3.01 SCALE: N.T.S.



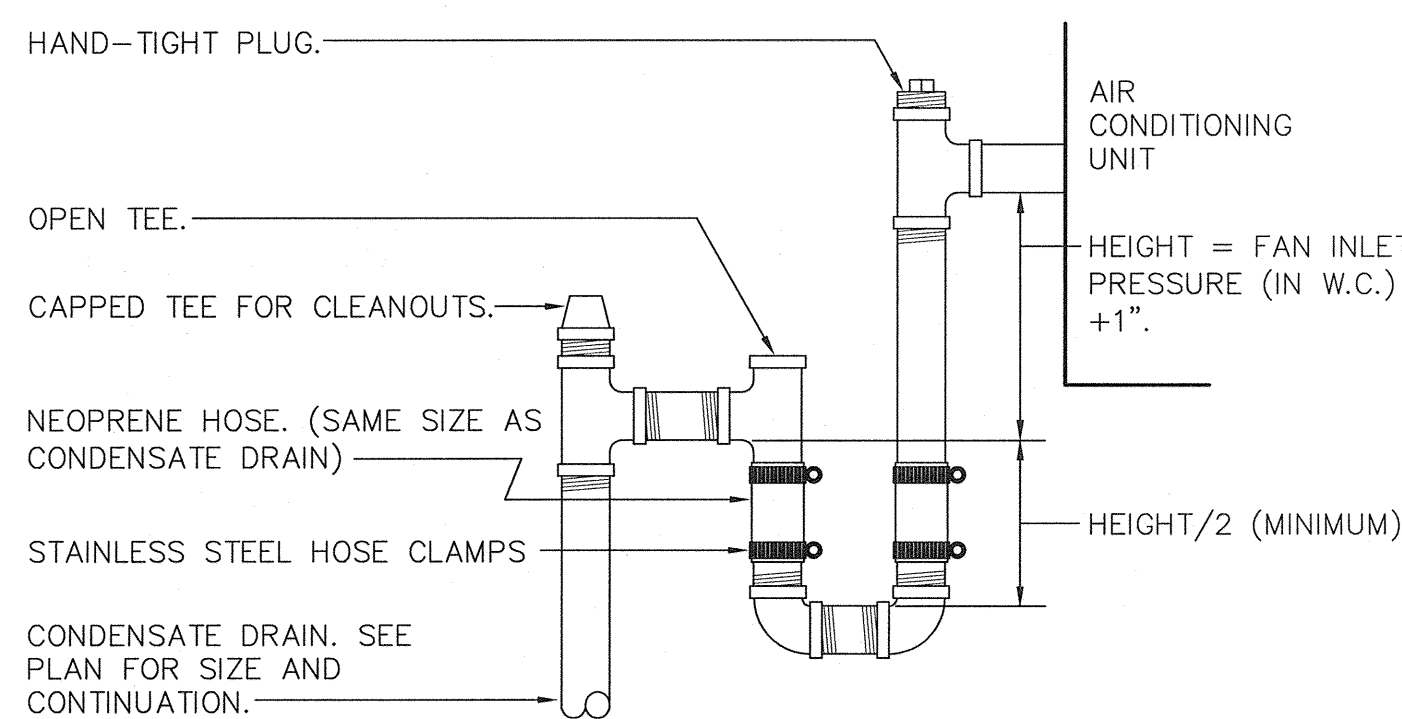
**7 SHUT OFF VALVE IN BOX**  
MP3.01 SCALE: N.T.S.



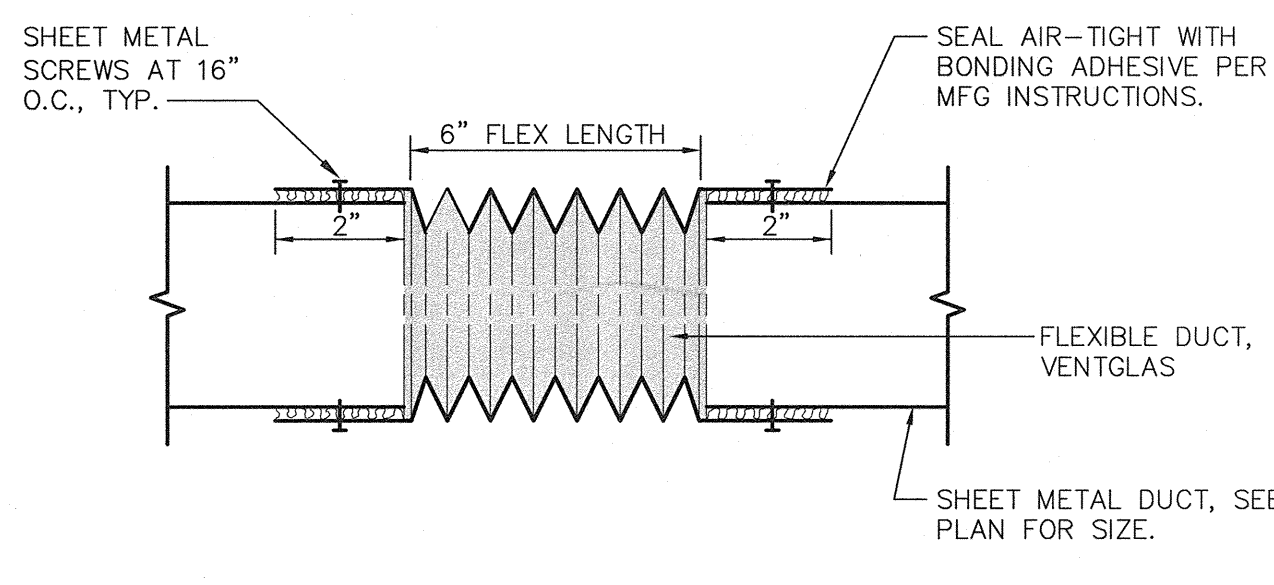
**8 EXHAUST FAN - CEILING**  
MP3.01 SCALE: N.T.S.



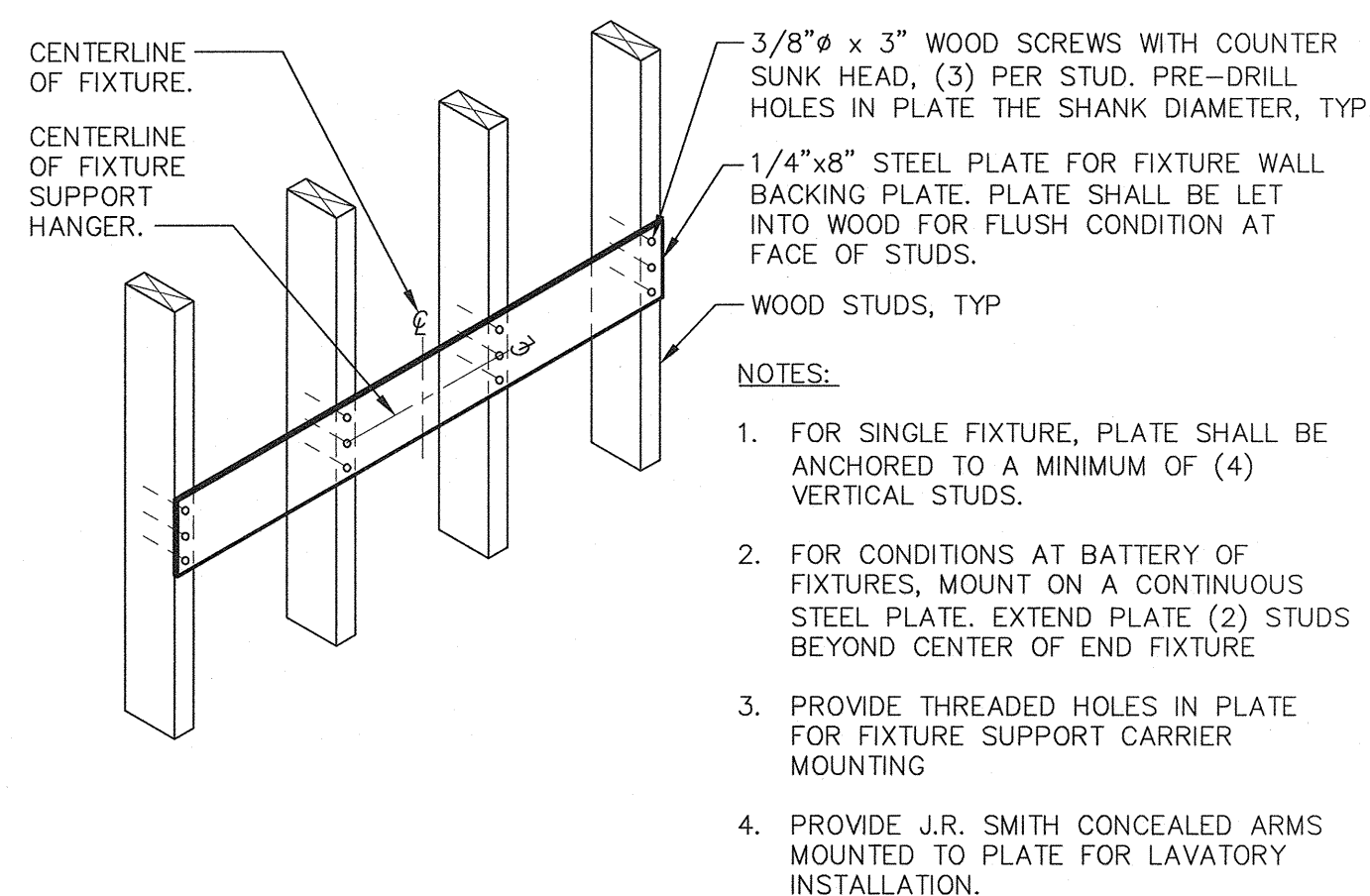
**1 CLEANOUT TO GRADE (COTG)**  
MP3.01 SCALE: N.T.S.



**2 CONDENSATE DRAIN CONNECTION - DRAW THRU**  
MP3.01 SCALE: N.T.S.



**3 FLEXIBLE DUCT - BLDG SEISMIC JOINT**  
MP3.01 SCALE: N.T.S.



**4 FIXTURE SUPPORT BACKING @ WOOD STUDS**  
MP3.01 SCALE: N.T.S.

PLUMBING FIXTURE & EQUIPMENT SCHEDULE						
MARK	FIXTURE	CONNECTIONS				DESCRIPTION
		CW	HW	W	V	
WC 1	WATER CLOSET ADA	1"	-	4"	2"	KOHLER K-4405 "HIGHLINE", ELONGATED FLOOR MOUNT, 1.28 GPF. SLOAN ROYAL MODEL 111-1.28 FLUSH VALVE WITH HANDLE POINTED TOWARDS WIDE SIDE OF STALL. OLSONITE 950C/SS EXTRA HEAVY DUTY OPEN FRONT SEAT.
L 1	LAVATORY ADA	1/2"	1/2"	2"	1-1/2"	KOHLER K-2005 "KINGSTON", 21"x18" WALL HUNG VITREOUS CHINA WITH 4" CENTERS, MCGUIRE 155A GRID DRAIN, CHICAGO 2200-4E39V/PABCP 0.35 GPM, SINGLE LEVER FAUCET WITH VANDAL PROOF NON-AERATING OUTLET. PROVIDE J.R. SMITH 723 CONCEALED ARMS AND STEEL SUPPORT PLATE FOR FIXTURE MOUNTING. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE MOUNTING HEIGHT.
HB 1	HOSE BIBB	3/4"	-	-	-	WOODFORD MODEL 24-P-BR ROUGH BRASS WALL FAUCET, 3/4HF ANTI-SIPHON VACUUM BREAKER, AND LOOSE TEE KEY.
WHA 1	WATER HAMMER ARRESTER	1/2"	-	-	-	SIoux CHIEF HYDRA-RESTER 652-AS, SEAMLESS COPPER CHAMBER APPROVED FOR CONCEALED INSTALLATION, UP TO 11 FIXTURE UNITS. INSTALL IN UPWARD POSITION.
CW 1	CAN WASH CONTROL BOX	1/2"	1/2"	-	-	J.R. SMITH MODEL 3380 FLUSH MOUNT STAINLESS STEEL BOX WITH KEY LOCK AND PIANO HINGED COVER, CONTROL VALVES, STOPS, VACUUM BREAKER.
FD 1	CAN WASH DRAIN	-	1/2"	3"	2"	J.R. SMITH MODEL 3370-C 12" SQUARE CAST IRON BODY WITH NICKEL BRONZE RIM AND GRATE, BRONZE ADJUSTABLE SPRAY NOZZLE, SEDIMENT BUCKET, FLASHING CLAMP.
WH 1	INSTANTANEOUS WATER HEATER	1/4"	1/4"	-	-	CHRONOMITE MODEL M-30/208 WALL MOUNT INSTANTANEOUS WITH MICROPROCESSOR, PRESET TEMPERATURE OF 110°F, 1 GPM FLOW RATE. ELEC: 208V, 1 PH, 6240 WATTS.

GRILLE SCHEDULE		
MARK	LOCATION	DESCRIPTION
A	WALL EXHAUST	RUSKIN ELF6375DX DRAINABLE STATIONARY LOUVER, 6" DEEP FRAME AND BLADES OF EXTRUDED ALUMINUM, BIRD SCREEN, PRIME COAT FOR PAINTING.
B	WALL COMBUSTION AIR	RUSKIN ELF6375DX DRAINABLE STATIONARY LOUVER, 6" DEEP FRAME AND BLADES OF EXTRUDED ALUMINUM, BIRD SCREEN, PRIME COAT FOR PAINTING.

INDOOR UNIT SCHEDULE	
MARK	IDU 1
CFM	145
MINIMUM OSA (CFM)	0
VOLTS/PHASE	208/1
DRIVE	DIRECT
TOTAL (MBH)	9.0
EADB/EAWB (°F)	80 / 67
AMBIENT (°F)	95
REFRIGERANT	R410A
CONDENSATE CONN	5/8"
SEER	21.0
CAPACITY (MBH)	10.9
KW	0.76
HSPF	10.0
QUANTITY/SIZE	
TYPE	
PD (IN WC)	

OUTDOOR UNIT SCHEDULE	
MARK	ODU 1
VOLTS/PHASE	208/1
COOLING CAP (MBH)	9.0
HEATING CAP (MBH)	10.9
AMBIENT (°F)	95
SEER/COP AT ARI	21.0 / -
HSPF	10.0
REFRIGERANT	R410A
LIQUID LINE SIZE (IN)	1/4"
SUCTION LINE SIZE (IN)	3/8"
MANUFACTURER	MITSUBISHI
TYPE	HEAT PUMP
MODEL NUMBER	MUZ-GE09NA
SERVICE	DRY STORAGE
OP WT (LBS)	66
ACCESSORIES	-

EXHAUST FAN SCHEDULE	
MARK	EF 1
CFM	85
ESP (IN WC)	0.125
HP/BHP/WATTS	- / - / 49.7
VOLTS/PHASE	115/1
RPM	700
TIP SPEED	-
SONES	2.0
DRIVE	DIRECT
MOUNTING	CEILING
MANUFACTURER	GREENHECK
TYPE	
MODEL NUMBER	SP-890
CONTROL	1
SERVICE	SEE PLANS
OP WT (LBS)	10
ACCESSORIES	-
1. INTERLOCK WITH LIGHTS	

FLY FAN SCHEDULE	
MARK	FF 1
CFM	5100
DOOR WIDTH	72"
MOTOR QUANTITY/HP	2 / 0.5
VOLTS/PHASE	115/1
SOUND (DBA AT 10')	68
DRIVE	DIRECT
MOUNTING	WALL
MANUFACTURER	MARS
TYPE	
MODEL NUMBER	STD72-2U
CONTROL	1
SERVICE	SEE PLANS
OP WT (LBS)	145
ACCESSORIES	1
1. DOOR LIMIT SWITCH	

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Phone (559) 438-0881 Fax (559) 438-0887 E-mail: design@somam.com  
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SCHEDULES AND DETAILS

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POTOMAC AVENUE BAKERSFIELD CA.

Sheet Title: SCHEDULES AND DETAILS  
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Date: 07/31/12  
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DR: [Signature]  
PC: CJM

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Exp. 6-30-14

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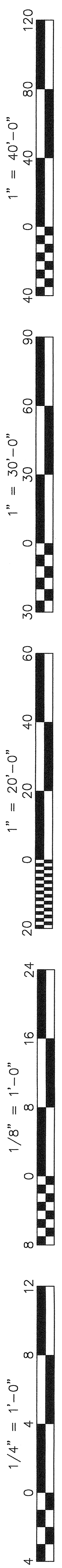
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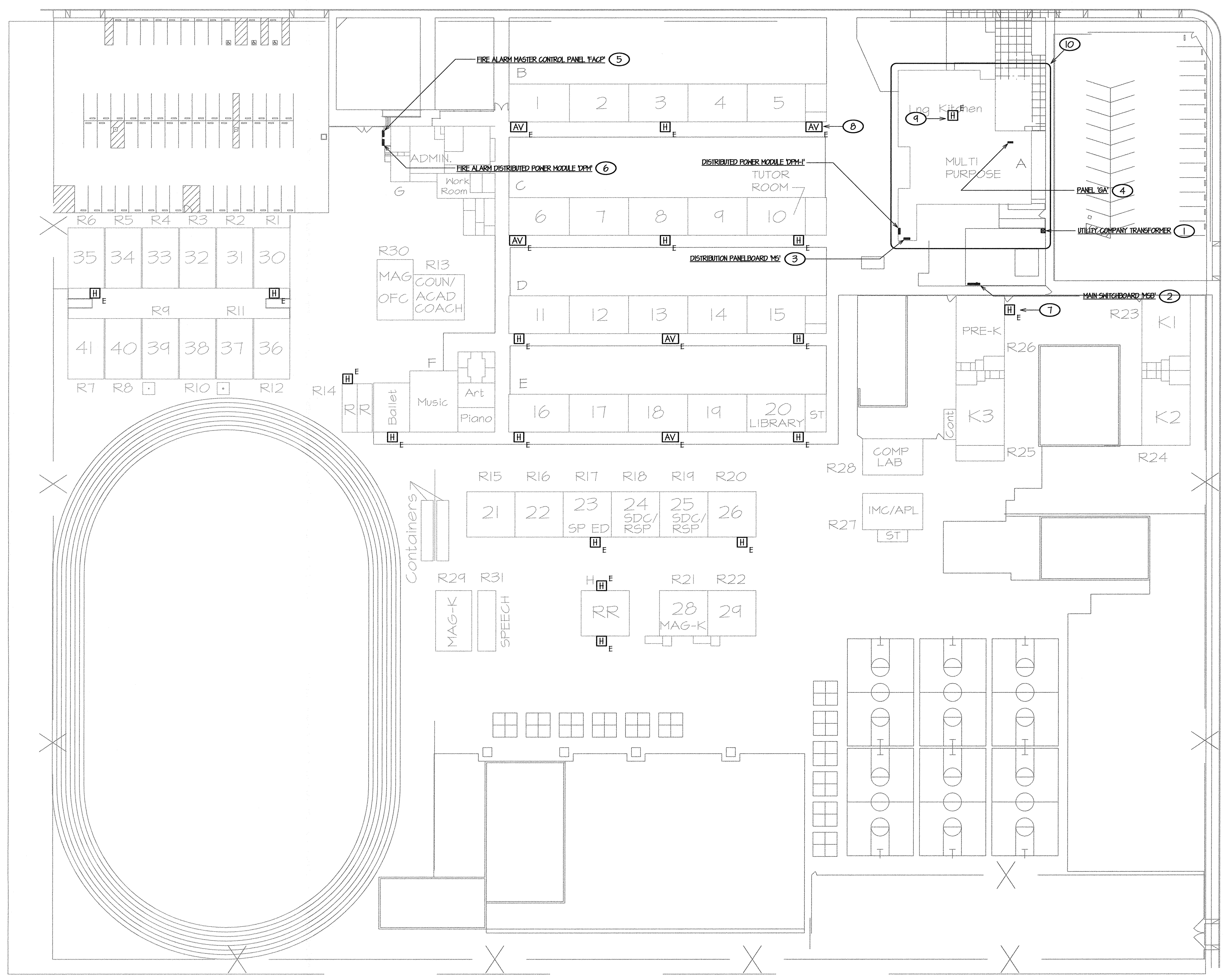






POTOMAC AVENUE

MT. VERNON AVENUE



- ### SITE ELECTRICAL PLAN NOTES
- ① EXISTING UTILITY COMPANY TRANSFORMER SERVING CAMPUS TO REMAIN, NO WORK REQUIRED.
  - ② EXISTING MAIN SWITCHBOARD TO REMAIN. SWITCHBOARD IS 480Y/277V, 3PH 4W, 1200A NOT INVOLVED IN THIS SCOPE OF THIS WORK, SHOWN FOR CLARITY ONLY.
  - ③ EXISTING DISTRIBUTION PANELBOARD TO REMAIN. PANELBOARD IS 208Y/120V, 3PH 4W, 600A AND HAS CAPACITY FOR THE ADDITIONAL LOAD REQUIRED BY THIS SCOPE OF WORK. REFER SINGLE LINE DIAGRAM, I/E4.01 FOR WORK REQUIRED AND COORDINATION REFERENCE.
  - ④ EXISTING BUILDING POWER PANEL TO REMAIN AND BE USED FOR THIS SCOPE OF WORK. PANEL IS 208Y/120V, 3PH 4W, 100A AND HAS CAPACITY FOR THE ADDITIONAL LOAD REQUIRED BY THIS SCOPE OF WORK. REFER TO SINGLE LINE DIAGRAM, I/E4.01 AND PANEL SCHEDULE, SHEET E4.01 FOR COORDINATION REFERENCE.
  - ⑤ EXISTING FIRE ALARM CONTROL PANEL TO REMAIN. PANEL IS A FIRENET 4121 AS MANUFACTURED BY HOCHIKI, C.S.F.M. # 1165-0410.0154, INSTALLED UNDER EMERGENCY CIRCUMSTANCES IN 2010 WITH PROTECTION MONITORING PER N.F.P.A. T2, CHAPTER 10, SECTION 10.15 REQUIREMENTS. NO WORK REQUIRED, SHOWN FOR CLARITY ONLY. REFER TO FIRE ALARM SINGLE LINE DIAGRAM, I/E5.01 FOR COORDINATION REFERENCE.
  - ⑥ EXISTING FIRE ALARM DISTRIBUTED POWER MODULE TO REMAIN. DPM IS 5K5345 AS MANUFACTURED BY SILENT KNIGHT, C.S.F.M. # 1300-0554-0123, INSTALLED UNDER EMERGENCY CIRCUMSTANCES IN 2010 WITH PROTECTION MONITORING PER N.F.P.A. T2, CHAPTER 10, SECTION 10.15 REQUIREMENTS. NO WORK REQUIRED, SHOWN FOR CLARITY ONLY. REFER TO FIRE ALARM SINGLE LINE DIAGRAM, I/E5.01 FOR COORDINATION REFERENCE.
  - ⑦ EXISTING EXTERIOR W.P. AUDIBLE NOTIFICATION APPLIANCE DENOTED WITH SUBSCRIPT 'E' TO REMAIN, TYPICAL WHERE OCCURS. SHOWN FOR CLARITY OF EXTERNAL COVERAGE ONLY. NO WORK REQUIRED.
  - ⑧ EXISTING EXTERIOR W.P. AUDIBLE/VISIBLE NOTIFICATION APPLIANCE DENOTED WITH SUBSCRIPT 'E' TO REMAIN, TYPICAL WHERE OCCURS. SHOWN FOR CLARITY OF EXTERNAL COVERAGE ONLY. NO WORK REQUIRED.
  - ④ EXISTING INTERIOR FIRE ALARM DEVICE SHOWN FOR CLARITY, TYPICAL. REFER TO FIRE ALARM PLAN, SHEET E3.01 AND FIRE ALARM SINGLE LINE DIAGRAM, I/E5.01 FOR COORDINATION REFERENCE.
  - ⑩ REFER TO ELECTRICAL PLANS, SHEETS E2.01 AND E3.01 FOR ADDITIONAL ELECTRICAL WORK REQUIRED IN THIS AREA.

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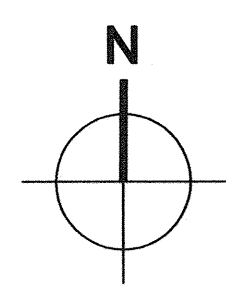
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SITE ELECTRICAL PLAN

SCALE: 1" = 40' - 0"



**WE**  
WATERS ENGINEERING, INC.  
Consulting Electrical Engineer  
P.O. BOX 630  
Vista, California 92084-0630  
Telephone (619) 733-4133  
Facsimile (619) 733-4132  
E-mail: waterseng@comcast.net

Sheet Title: **SITE ELECTRICAL PLAN**

Project Name & Address: **MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POPTOMAC AVENUE BAKERSFIELD CA.

Issue Date: ---	Date: 07/19/12	Designer: VWW	DR: VWW	PC: CJM
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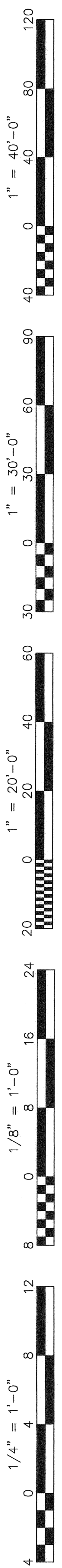
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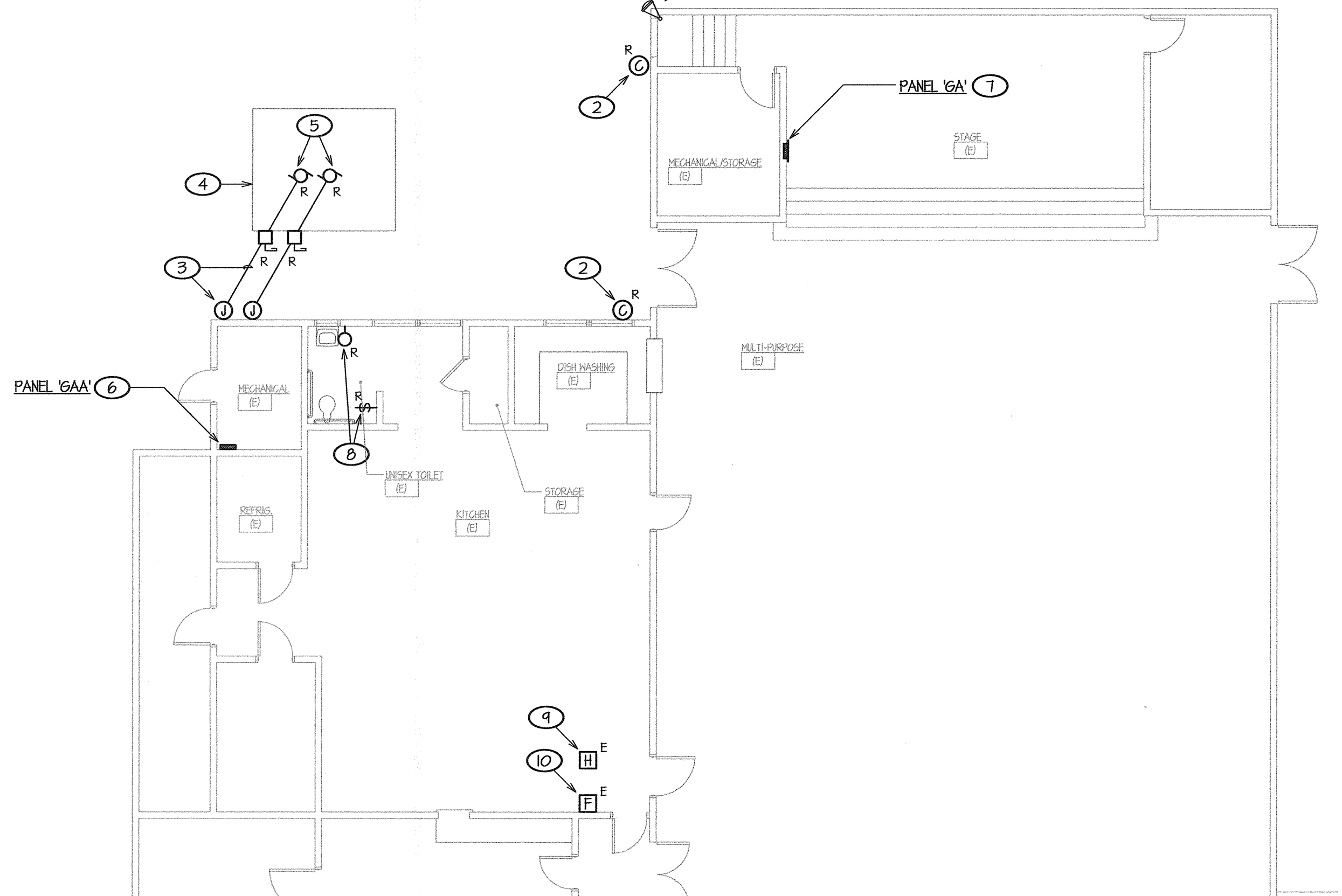
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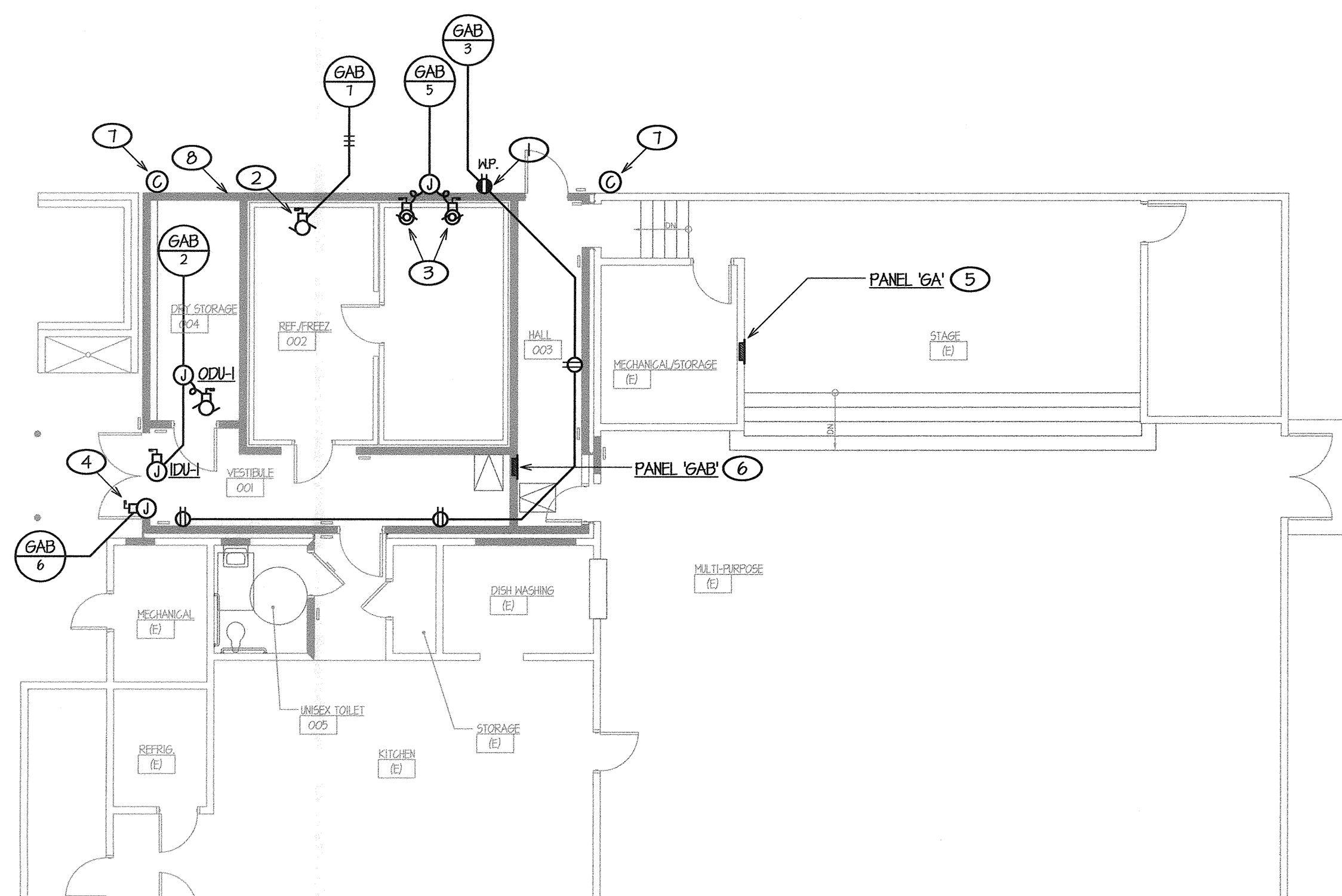
### ELECTRICAL DEMOLITION PLAN

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



### POWER PLAN

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



### ELECTRICAL DEMOLITION PLAN NOTES

- 1 EXISTING EXTERIOR LIGHTING FIXTURE, ATTACHED WITH AN 'E' SUBSCRIPT, TO REMAIN. EXTEND AND CONNECT EXISTING CIRCUIT CONDUCTORS TO NEW EXTERIOR LIGHTING FIXTURES PER LIGHTING PLAN, SHEET E3.01. CONTRACTOR SHALL FIELD VERIFY ALL.
- 2 EXISTING EXTERIOR SECURITY CAMERA, ATTACHED WITH AN 'R' SUBSCRIPT, TO BE RELOCATED COMPLETE PER POWER PLAN, THIS SHEET. REMOVE ANY EMPTY, EXPOSED JUNCTION BOXES) AND CONDUIT COMPLETE. REROUTE, EXTEND AND RECONNECT EXISTING CABLES AS REQUIRED, CONTRACTOR SHALL FIELD VERIFY ALL.
- 3 EXISTING JUNCTION BOXES AND SURFACE MOUNTED FEEDER CURRENTLY SERVING EXISTING REFRIGERATION UNIT BEING REMOVED TO BE REMOVED COMPLETE, TYPICAL OF TWO. REMOVAL OF REFRIGERATION UNIT BY OTHERS. REFER TO ITEM 4 BELOW FOR COORDINATION/REFERENCE.
- 4 EXISTING REFRIGERATION UNIT TO BE REMOVED COMPLETE. DE-ENERGIZE EXISTING CIRCUIT BREAKER(S) SERVING UNIT MECHANICAL EQUIPMENT, PULL OUT WIRING MADE IDLE BY EQUIPMENT REMOVAL COMPLETE TO SERVING PANEL 'GAA' AND REMOVE ALL EMPTY, EXPOSED JUNCTION BOXES) AND CONDUIT COMPLETE.
- 5 DISCONNECT ELECTRICAL SERVICE COMPLETE FROM EXISTING ROOF MOUNTED REFRIGERATION COMPRESSOR EQUIPMENT AND ALL ASSOCIATED MECHANICAL DISTRIBUTION EQUIPMENT BEING REMOVED (MECHANICAL EQUIPMENT, DISCONNECT AND/OR CONTROL DEVICES), ETC. REMOVAL BY OTHERS). PULL OUT WIRING MADE IDLE BY EQUIPMENT REMOVAL COMPLETE TO SERVING PANEL AND REMOVE ANY EMPTY, EXPOSED JUNCTION BOXES) AND CONDUIT COMPLETE. NOTE: EVERY DEVICE REQUIRING REMOVAL MAY NOT BE SHOWN ON THIS DRAWING, CONTRACTOR SHALL FIELD VERIFY ALL.
- 6 EXISTING PANEL TO REMAIN, NO WORK REQUIRED. SHOWN FOR CLARITY ONLY.
- 7 EXISTING PANEL TO BE REMAIN. PROVIDE NEW SUB-FEED CIRCUIT BREAKER PER PLANS FOR NEW ELECTRICAL PANEL SERVING KITCHEN ADDITION. REFER TO GENERAL NOTES, SHEET E1.00, POWER PLAN, THIS SHEET, SINGLE LINE DIAGRAM, I/E4.01 AND PANEL SCHEDULES, SHEET E4.01 FOR COORDINATION/REFERENCE.
- 8 REMOVE EXISTING WALL MOUNTED INCANDESCENT LIGHT FIXTURE AND ASSOCIATED SWITCH AND PROVIDE NEW PER LIGHTING PLAN, SHEET E3.01.
- 9 EXISTING AUDIBLE NOTIFICATION DEVICE TO REMAIN AND BE RECONNECTED PER FIRE ALARM PLAN, SHEET E3.01. REFER TO FIRE ALARM SINGLE LINE DIAGRAM, I/E5.01 FOR COORDINATION/REFERENCE.
- 10 EXISTING MANUAL PULL STATION TO REMAIN, NO WORK REQUIRED.

### POWER PLAN NOTES

- 1 G.F.I. RECEPTACLE WITH H.P., COVER PLATE, PASS AND SEYMOUR #NUGIOS OR APPROVED EQUAL. TYPICAL FOR ALL EXTERIOR RECEPTACLES.
- 2 CONNECT ROOF MOUNTED REFRIGERATOR/FREEZER CONDENSING UNIT POWER PER MANUFACTURER'S WRITTEN INSTRUCTIONS. COORDINATE THIS WORK WITH EQUIPMENT SUPPLIER PRIOR TO COMMENCING ROUGH-IN.
- 3 CONNECT ROOF MOUNTED COOLING FAN POWER PER MANUFACTURER'S WRITTEN INSTRUCTIONS. COORDINATE THIS WORK WITH EQUIPMENT SUPPLIER PRIOR TO COMMENCING ROUGH-IN.
- 4 CONNECT FLY FAN POWER VIA INTERLOCK SWITCH. INTERLOCK SWITCH PROVIDED AND INSTALLED BY DIVISION 15. REFER TO MECHANICAL DRAWINGS FOR COORDINATION/REFERENCE.
- 5 EXISTING PANEL TO REMAIN. REFER TO SINGLE LINE DIAGRAM, I/E4.01 FOR COORDINATION/REFERENCE.
- 6 PROVIDE 20BY120V, 3PH, 4W POWER AND LIGHTING PANEL PER SPECIFICATIONS, INSTALL PER 2/E4.01 AND CONNECT PER SINGLE LINE DIAGRAM, I/E4.01. REFER TO PANEL SCHEDULES, SHEET E4.01 FOR COORDINATION/REFERENCE.
- 7 NEW LOCATION FOR EXISTING SECURITY CAMERA. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH OWNER'S INTRUSION ALARM VENDOR. CONTRACTOR SHALL FIELD VERIFY ALL.
- 8 INFILL DENOTES 1-HOUR FIRE RATED WALL ASSEMBLY. WHERE OUTLETS OR CONDUITS PENETRATE FIRE RATED ASSEMBLIES, INSTALLATION SHALL PROVIDE REQUIRED 24" MINIMUM SEPARATION FOR OUTLETS PER 3/E5.01, AND SEAL PENETRATIONS PER 4/E5.01.

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601 N. Fresno, Suite 130 - Fresno, California 93710  
Phone (559) 439-9881 Fax (559) 439-9887 E-Mail: design@somam.com  
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Revision	Revision Description	Rev. Date

**ELECTRICAL DEMOLITION AND POWER PLANS**

**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**

BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POPTOMAC AVENUE BAKERSFIELD CA,

Issue Date: 07/19/12  
Date: 07/19/12  
Designer: VWW  
DR: VWW  
PC: CJM

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Stamp(s):  
REGISTERED PROFESSIONAL ENGINEER  
WATERS ENGINEERING, INC.  
No. E 18975  
Exp. 6/30/13  
ELECTRICAL  
STATE OF CALIFORNIA

Job No.: **3990**

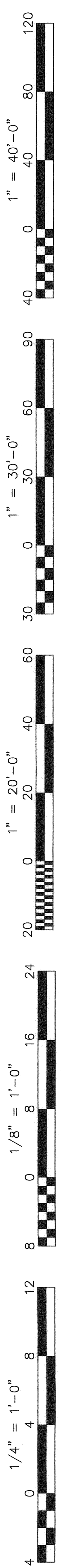
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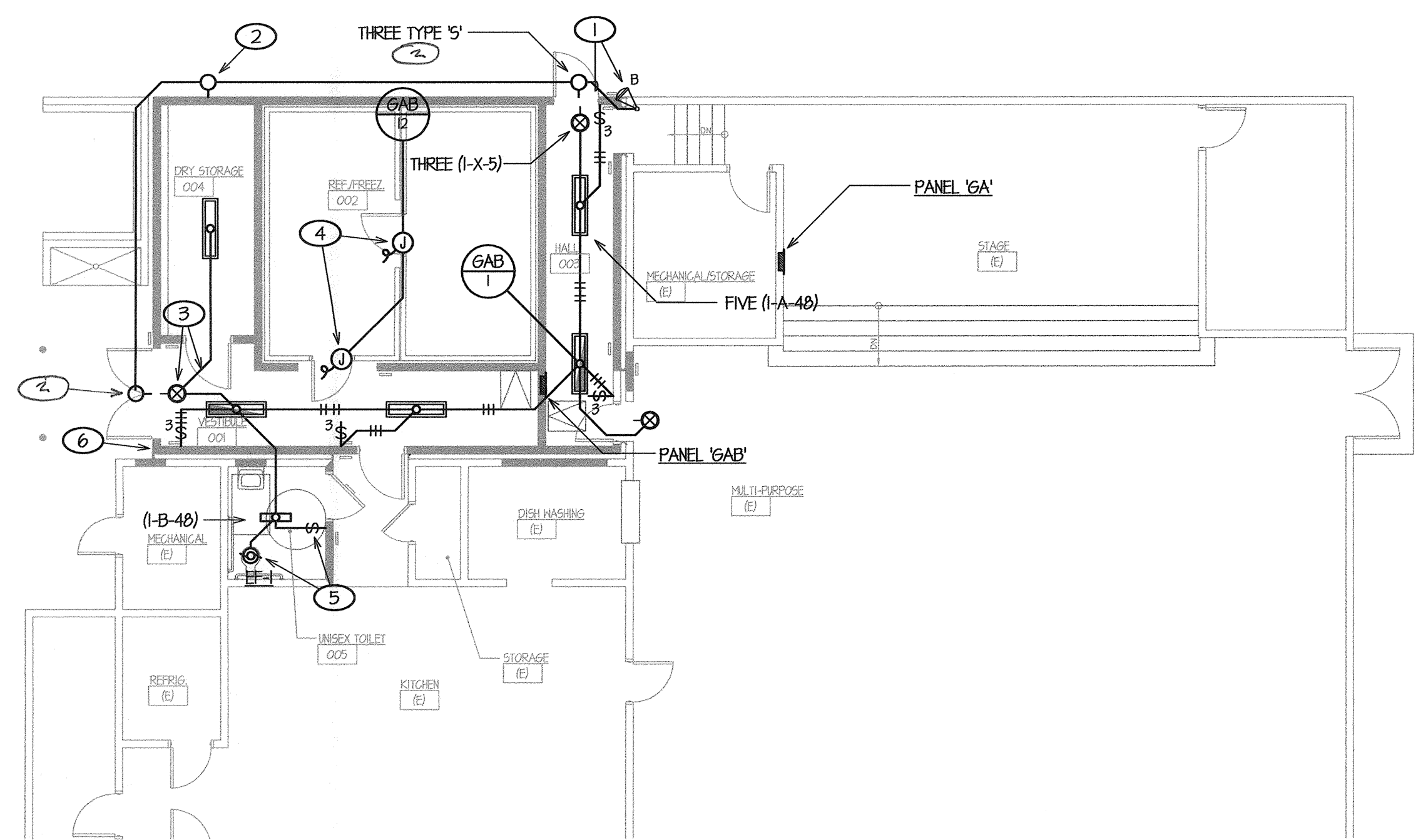
**WE**  
WATERS ENGINEERING, INC.  
Consulting Electrical Engineer  
P.O. Box 680  
Visalia, California 93279-0680  
Telephone (559) 733-4133  
Facsimile (559) 733-4125  
E-mail: waterseng@comcast.net

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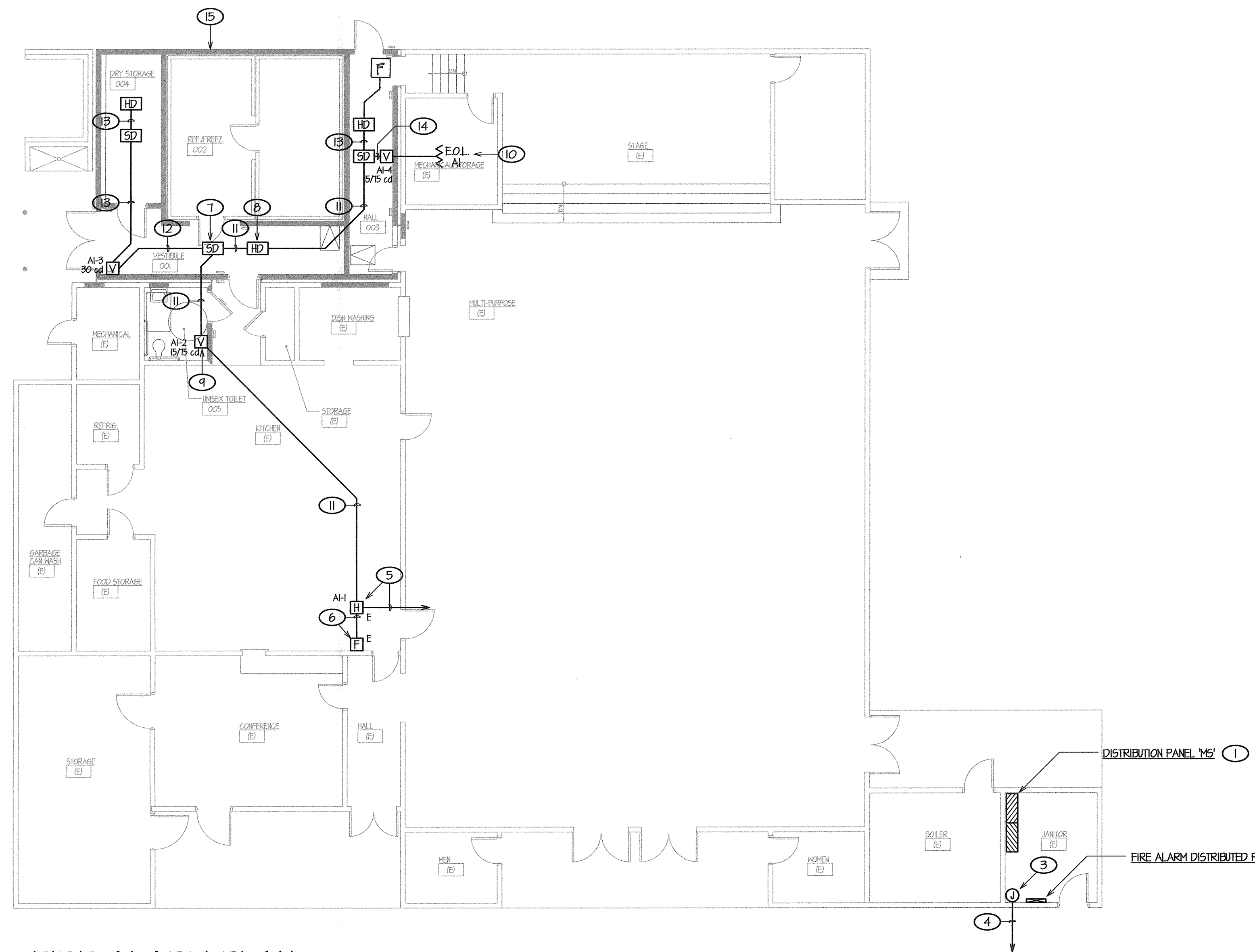
# LIGHTING PLAN



- ### LIGHTING PLAN NOTES
- PICK UP AND EXTEND EXISTING EXTERIOR LIGHTING CIRCUIT SWITCHED AND UNSWITCHED CONDUCTORS TO NEW TYPE 'S' LIGHTING FIXTURES AS REQUIRED AND CONNECT NEW FIXTURES TO EXISTING CIRCUIT.
  - PROVIDE NEW EXTERIOR WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK PER SPECIFICATIONS AND CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT AS SHOWN.
  - BUILDING INTERIOR EMERGENCY EGRESS LIGHTS AND/OR ILLUMINATED EXIT SIGNS SHOWN ARE CONNECTED TO THE UNSWITCHED CIRCUIT CONDUCTOR FOR EMERGENCY BATTERY SYSTEM OPERATION, PER 4/E4.01. EMERGENCY EGRESS LIGHTS ARE SHOWN PARTIALLY SHADED, TYPICAL WHERE SHOWN.
  - CONNECT NEW WALK-IN REFRIGERATOR AND FREEZER 120V LIGHTING AND CONTROLS PER WALK-IN MANUFACTURER'S WRITTEN INSTRUCTIONS.
  - PROVIDE NEW LIGHT SWITCH FIXTURE AND CONNECT AS SHOWN. CONNECT NEW EXHAUST FAN POWER PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
  - INFILL DENOTES 1-HOUR FIRE RATED WALL ASSEMBLY. WHERE OUTLETS OR CONDUITS PENETRATE FIRE RATED ASSEMBLIES, INSTALLATION SHALL PROVIDE REQUIRED 24" MINIMUM SEPARATION FOR OUTLETS PER 3/E5.01, AND SEAL PENETRATIONS PER 4/E5.01.

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

# FIRE ALARM PLAN



### FIRE ALARM SYSTEM REQUIREMENTS

THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 9012.3; CALIFORNIA ELECTRICAL CODE, ARTICLE 760 AND CALIFORNIA FIRE CODE, CHAPTERS 9 AND 14.

INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT COMMENCE UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT - OFFICE OF REGULATION SERVICES.

DURING INSTALLATION OF THE FIRE ALARM SYSTEM, CONSTRUCTION PERSONNEL SHALL FOLLOW THE FIRE SAFETY REQUIREMENTS OF CALIFORNIA FIRE CODE CHAPTER 14 IN ORDER TO PROVIDE REASONABLE SAFETY TO LIFE AND PROPERTY DURING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.

THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED COMPLYING WITH NFPA 72, CHAPTER 10, SECTION 10.5 VISUAL CHARACTERISTIC REQUIREMENTS. FLASHING VISUAL NOTIFICATION APPLIANCES SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ).

THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING ALL OCCUPANTS COMPLYING WITH NFPA 72 CHAPTER 10, SECTION 10.4 AUDIBLE CHARACTERISTIC REQUIREMENTS. ALL NORMALLY OCCUPIED AREAS SHALL BE PROVIDED WITH AUDIBLE NOTIFICATION APPLIANCES SUFFICIENT TO GENERATE AUDIBLE DECIBEL LEVELS OF AT LEAST 15 dba ABOVE AMBIENT NOISE LEVELS. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET REQUIRED MINIMUM SOUND LEVELS, ADDITIONAL AUDIBLE NOTIFICATION APPLIANCES MAY BE REQUIRED TO BE INSTALLED BY THE ENFORCING AGENCY PER CALIFORNIA FIRE CODE.

FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER A UFX (CENTRAL STATION) OR UL5 (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF FM 3011.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY PER NFPA 72, CHAPTER 14 AND THE D.S.A. INSPECTOR OF RECORD. TESTING SHALL INCLUDE VISUAL INSPECTIONS PER TABLE 14.3.1 AND PERFORMED USING METHODS INDICATED IN TABLE 14.4.2.2 AS WELL AS A READ-OUT VERIFICATION FORM FROM THE MONITORING CENTRAL STATION SERVICE.

CONTRACTOR SHALL SUPPLY ALL NECESSARY TESTING EQUIPMENT TO PERFORM THE NFPA 72 TESTING REQUIREMENTS, INCLUDING A SOUND LEVEL METER TO CHECK ACCEPTABLE SOUND LEVELS OF ALL AUDIBLE DEVICES.

CONTRACTOR SHALL PROVIDE A FULL RECORD OF COMPLETION AND COMPLIANCE PER NFPA 72, CHAPTER 10, SECTION 10.10.2 AND THE CALIFORNIA FIRE CODE, SECTION 901 TO THE OWNER.

- ### FIRE ALARM PLAN NOTES
- EXISTING DISTRIBUTION PANEL BOARD TO REMAIN. PROVIDE NEW CIRCUIT BREAKER FOR NEW FIRE ALARM CONTROL PANEL PER ITEM (2) BELOW. REFER TO SITE ELECTRICAL PLAN, SHEET E1.01 AND FIRE ALARM SINGLE LINE DIAGRAM, SHEET E3.01 FOR COORDINATION/REFERENCE.
  - PROVIDE NEW FIRE ALARM DISTRIBUTED POWER MODULE PER SPECIFICATIONS AND INSTALL PER 4/E4.01. PROVIDE NEW 20A CIRCUIT BREAKER PER SPECIFICATIONS AND INSTALL TO ADJACENT DISTRIBUTION PANEL IN THIS ROOM, MATCHING EXISTING EQUIPMENT MANUFACTURER AND I.C. RATING, CONTRACTOR SHALL FIELD VERIFY ALL. RUN 1/2" C. 2 #12 CU THIN + 1 #12 CU GROUND TO DISTRIBUTION PANEL AND CONNECT TO 20A CIRCUIT BREAKER. PROVIDE RED COLOR CIRCUIT BREAKER HANDLE AND DISCONNECT LOCATION LABELING PROVIDE DISCONNECT LOCATION LABELING PER N.F.P.A. 72, 10.5.5.2. ADDITIONALLY, CONTRACTOR SHALL PROVIDE AND INSTALL A LISTED LOCK OUT DEVICE COMPATIBLE WITH THE CIRCUIT BREAKER FOR ADDED PROTECTION. EXTEND 1/2" C. 2 #12 CU THIN (NOTIFICATION) FROM 'DP-1' TO WALL MOUNTED FIRE ALARM PULL BOX, ITEM (3) BELOW AND EXTEND NEW FIRE ALARM CIRCUITING AS SHOWN. REFER TO FIRE ALARM SINGLE LINE DIAGRAM, SHEET E3.01 FOR COORDINATION/REFERENCE.
  - EXISTING PULL BOX MOUNTED ON WALL THROUGH WHICH EXISTING FIRE ALARM CIRCUIT CONDUCTORS ENTER BUILDING. EXTEND NEW FIRE ALARM CONDUCTORS PER PLAN TO EXISTING DEVICES AS SHOWN.
  - EXISTING 1" C. FROM EXISTING FIRE ALARM MASTER CONTROL PANEL 'FACP' AND FIRE ALARM DISTRIBUTED POWER MODULE 'DPM' TO REMAIN. PULL OUT EXISTING NOTIFICATION CIRCUIT WIRING FROM 'DPM' AND INITIATION CIRCUIT WIRING FROM 'FACP' COMPLETE AND REPLACE WITH NEW 2 #12 CU THIN (NOTIFICATION) AND ONE 1" C. GABLE (INITIATION) TO FIRE ALARM PULL BOX, ITEM (3) ABOVE AND EXTEND CIRCUIT TO NEW NOTIFICATION APPLIANCES AS SHOWN.
  - EXISTING FIRE ALARM NOTIFICATION APPLIANCE SHOWN FOR CLARITY. REPLACE EXISTING FIRE ALARM CIRCUIT WIRING IN EXISTING CONDUIT WITH 2 #12 CU THIN (NOTIFICATION) AND ONE 1" C. GABLE (INITIATION) TO FIRE ALARM PULL BOX, ITEM (3) ABOVE AND EXTEND CIRCUIT TO NEW NOTIFICATION APPLIANCES AS SHOWN.
  - EXISTING FIRE ALARM INITIATION DEVICE SHOWN FOR CLARITY. REPLACE EXISTING WIRING IN EXISTING CONDUIT BETWEEN THIS DEVICE AND NOTIFICATION APPLIANCE ITEM (5) ABOVE, WITH ONE 1" C. GABLE (INITIATION). INSTALL FIRE ALARM INTERFACE MODULE AND RECONNECT PULL STATION TO NEW INITIATION CIRCUIT CONDUCTORS AS REQUIRED.
  - PROVIDE FIRE ALARM SMOKE DETECTORS PER SPECIFICATIONS, INSTALL PER 2/E5.01 AND CONNECT PER FIRE ALARM SINGLE LINE DIAGRAM, I/E5.01, TYPICAL WHERE OCCURS.
  - PROVIDE FIRE ALARM HEAT DETECTORS PER SPECIFICATIONS, INSTALL PER 2/E5.01 AND CONNECT PER FIRE ALARM SINGLE LINE DIAGRAM, I/E5.01, TYPICAL WHERE OCCURS.
  - PROVIDE FIRE ALARM VISIBLE NOTIFICATION APPLIANCES PER SPECIFICATIONS, INSTALL PER 2/E5.01 AND CONNECT PER FIRE ALARM SINGLE LINE DIAGRAM, I/E5.01, TYPICAL WHERE OCCURS.
  - PROVIDE FIRE ALARM END OF LINE RESISTOR PER SPECIFICATIONS, INSTALL AT THIS LAST NOTIFICATION DEVICE IN THE NOTIFICATION CIRCUIT AND CONNECT PER MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO FIRE ALARM SINGLE LINE DIAGRAM, I/E5.01 FOR COORDINATION/REFERENCE.
  - 3/4" C. 2 #12 CU THIN (NOTIFICATION), ONE 1" C. GABLE (INITIATION).
  - 3/4" C. 4 #12 CU THIN (NOTIFICATION), ONE 1" C. GABLE (INITIATION).
  - 3/4" C. ONE 1" C. GABLE (INITIATION).
  - 3/4" C. 2 #12 CU THIN (NOTIFICATION).
  - INFILL DENOTES 1-HOUR FIRE RATED WALL ASSEMBLY. WHERE OUTLETS OR CONDUITS PENETRATE FIRE RATED ASSEMBLIES, INSTALLATION SHALL PROVIDE REQUIRED 24" MINIMUM SEPARATION FOR OUTLETS PER 3/E5.01, AND SEAL PENETRATIONS PER 4/E5.01.

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

**WE**  
WATERS ENGINEERING, INC.  
Consulting Electrical Engineer  
P.O. BOX 690  
Visalia, California 93274-0690  
Telephone (559) 733-4133  
Facsimile (559) 733-4135  
E-mail: waterseng@comcast.net

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601 N. Fresno, Suite 130 - Fresno, California 93710  
Phone (559) 439-0881 Fax (559) 439-0887 E-Mail: design@somam.com  
www.integrateddesigns.com

Revision	Revision Description	Rev. Date	Rev. Date

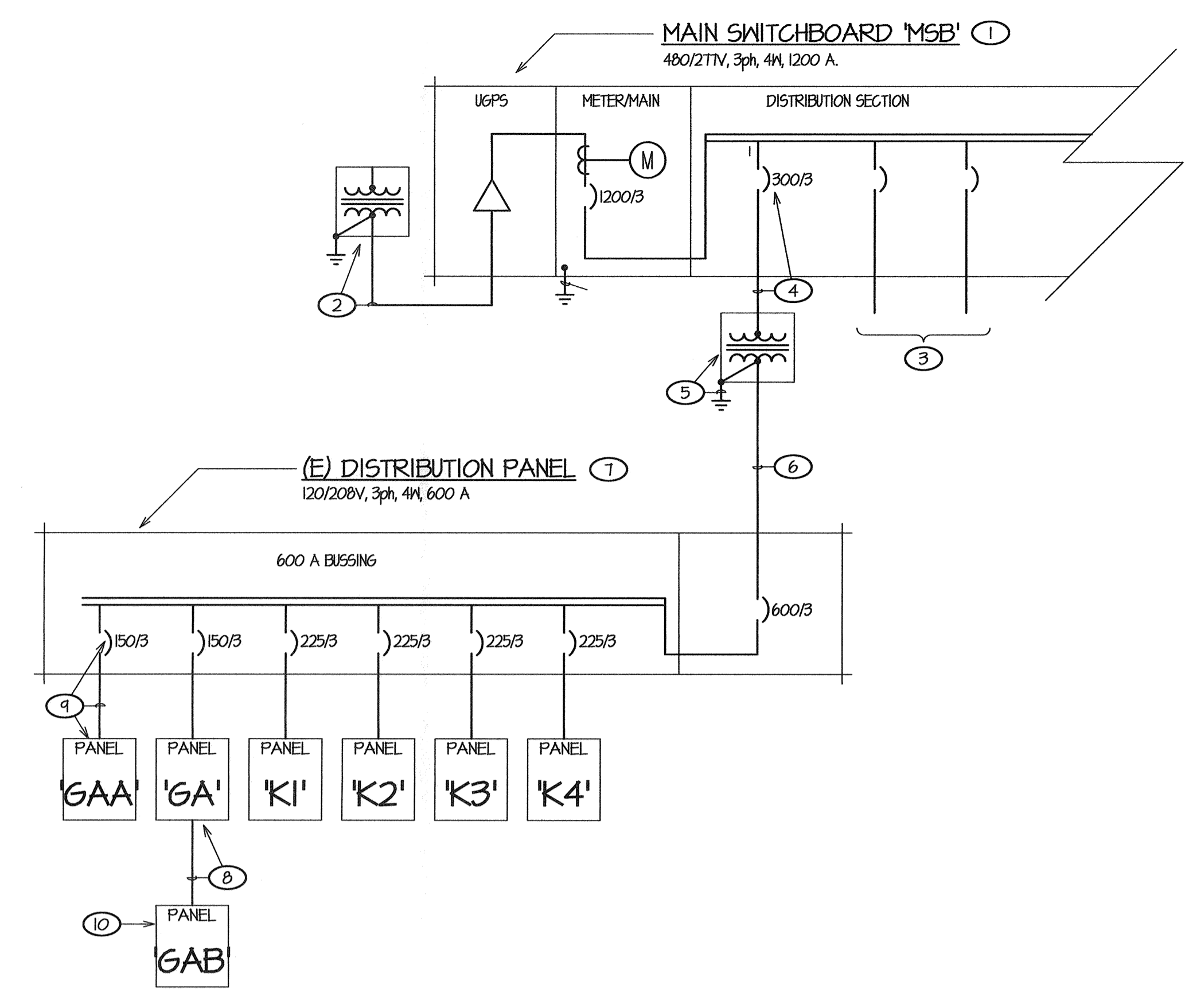
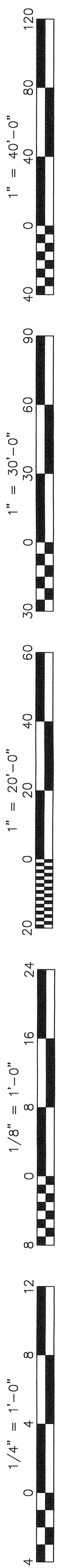
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WATERS ENGINEERING, INC.  
No. E 14975  
Exp. 6/30/13  
ELECTRICAL  
STATE OF CALIFORNIA  
LICENSED ARCHITECT  
WATERS ENGINEERING, INC.  
No. C 28966  
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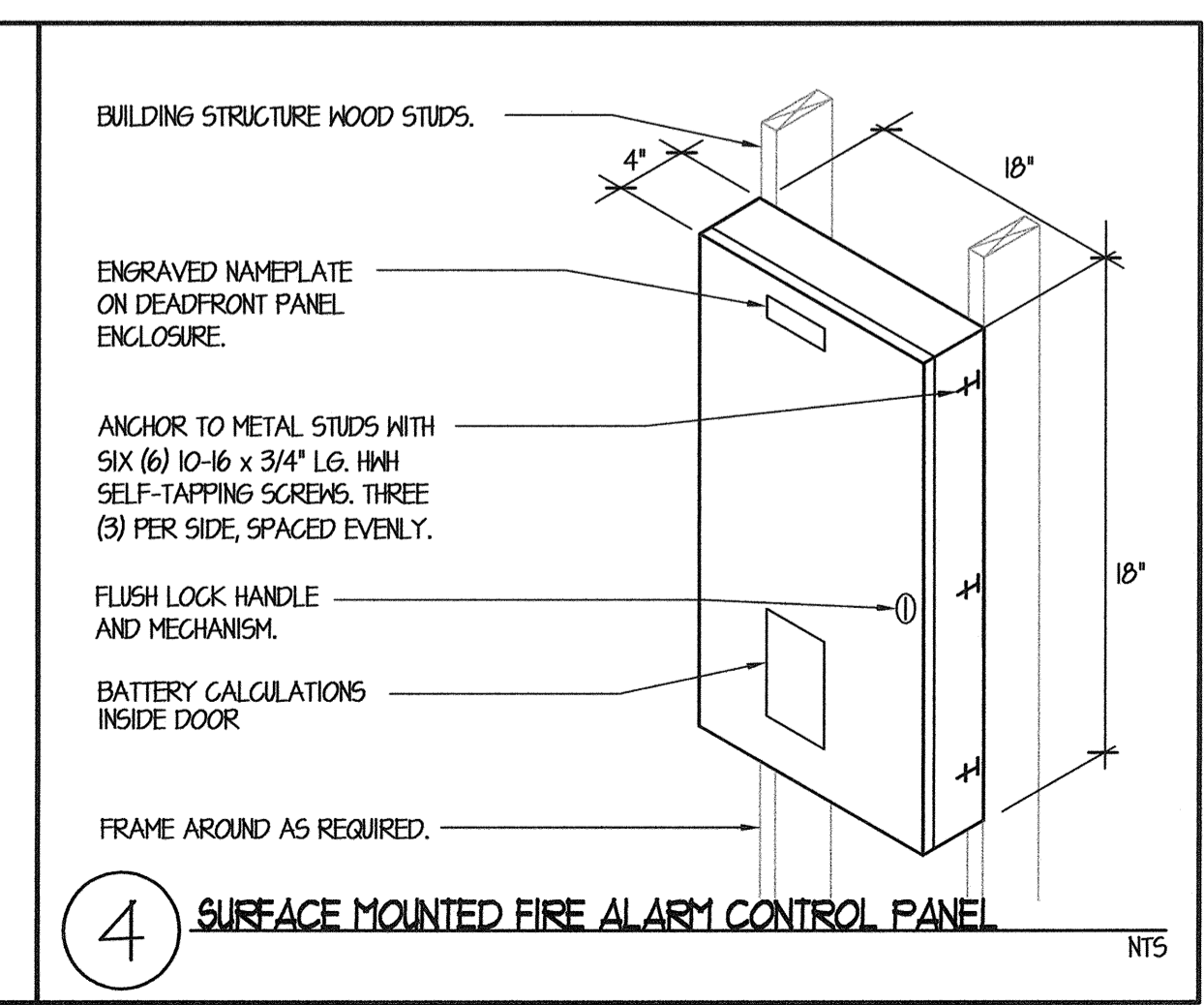
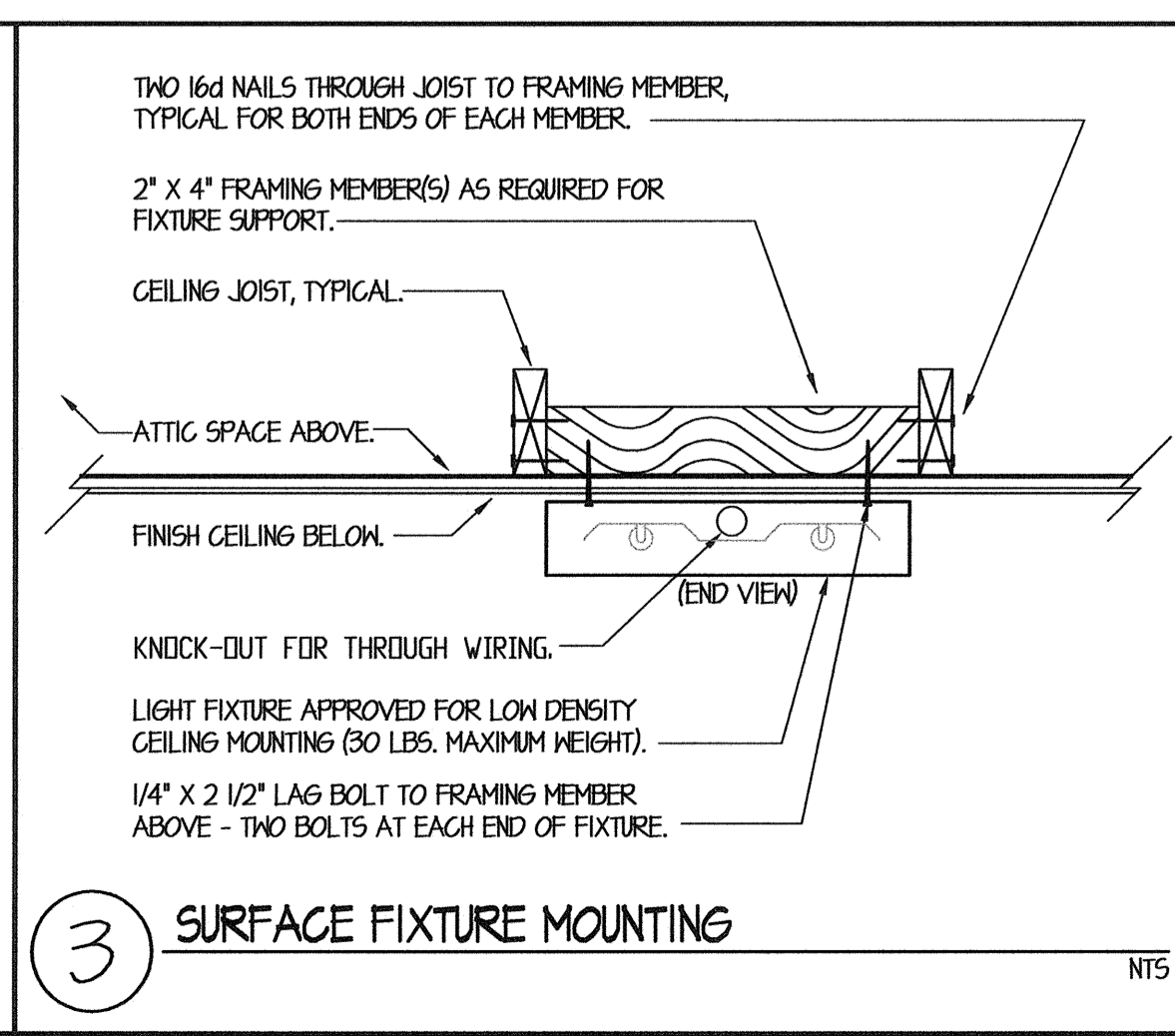
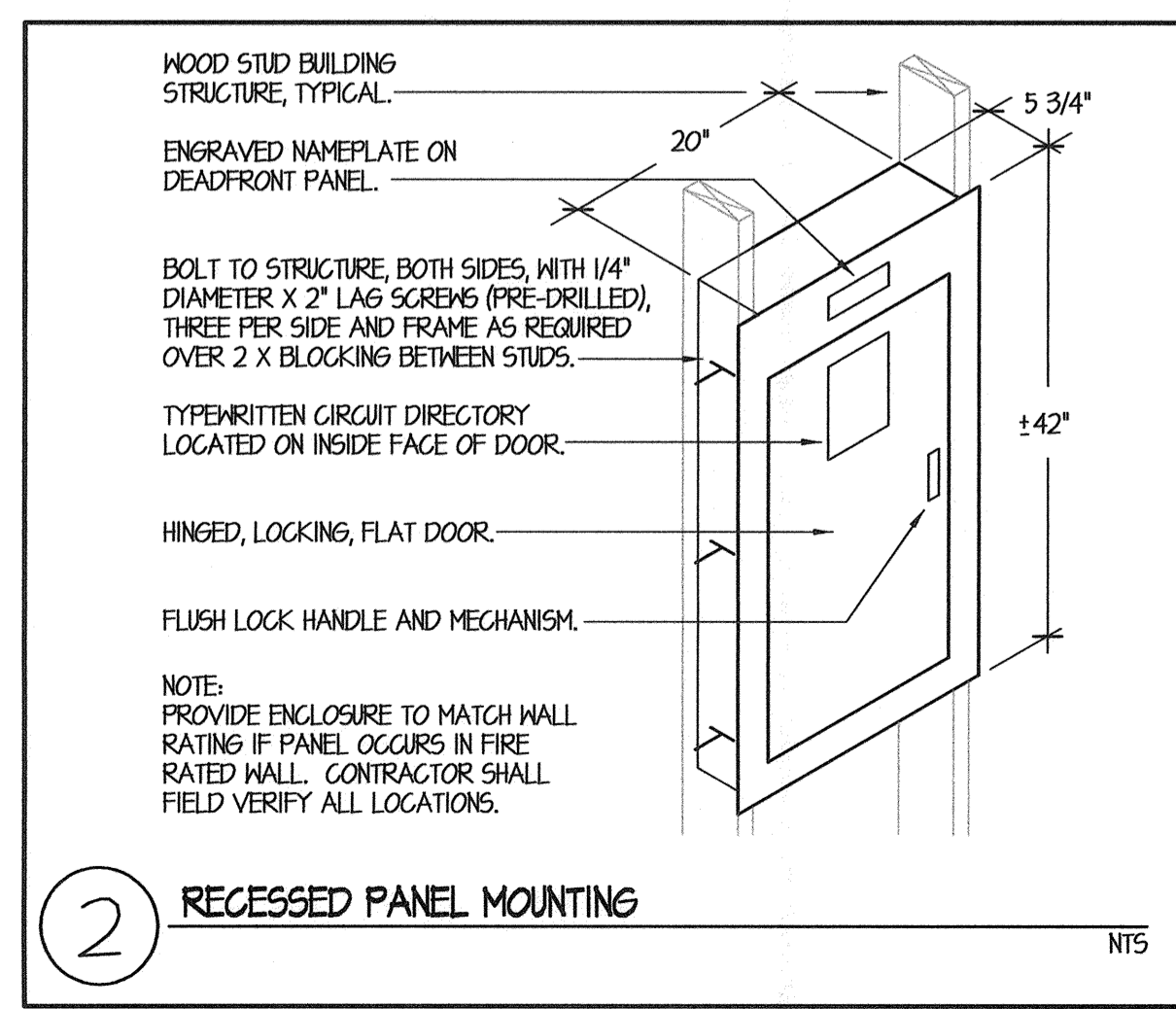


1 SINGLE LINE DIAGRAM NO SCALE

- ### SINGLE LINE DIAGRAM NOTES
- EXISTING MAIN SWITCHBOARD TO REMAIN. SWITCHBOARD IS 480Y/277, 3PH 4W, 1200A WITH SUFFICIENT CAPACITY FOR THE REVISED/ADDITIONAL LOAD REQUIRED BY THE SCOPE OF THIS WORK. REFER TO SITE ELECTRICAL PLAN, SHEET E1.01 FOR COORDINATION/REFERENCE.
  - EXISTING UTILITY COMPANY SERVICE LATERAL AND SWITCHBOARD MAIN CIRCUIT BREAKER TO REMAIN, NO WORK REQUIRED.
  - REPRESENTATIVE SUB-FEED CIRCUIT BREAKERS AND FEEDERS SERVING EXISTING LOADS SHOWN FOR CLARITY ONLY, ARE EXISTING TO REMAIN, NO WORK REQUIRED. NOT EVERY SUB-FEED INSTALLED TO EXISTING DISTRIBUTION SECTION IS SHOWN, HOWEVER, DISTRIBUTION SECTION HAS CAPACITY AND SPACE FOR ADDITIONAL CIRCUIT BREAKERS REQUIRED BY THIS SCOPE OF WORK.
  - EXISTING SUB-FEED CIRCUIT BREAKER AND TRANSFORMER PRIMARY FEEDER TO REMAIN, NO WORK REQUIRED.
  - EXISTING TRANSFORMER AND SYSTEM GROUND TO REMAIN, NO WORK REQUIRED.
  - EXISTING TRANSFORMER SECONDARY FEEDER TO REMAIN, NO WORK REQUIRED.
  - EXISTING DISTRIBUTION PANELBOARD TO REMAIN. PANELBOARD IS 208Y/120V, 3PH 4W, 600A WITH SUFFICIENT CAPACITY FOR THE REVISED/ADDITIONAL LOAD REQUIRED BY THE SCOPE OF THIS WORK. REFER TO SITE ELECTRICAL PLAN, SHEET E1.01 FOR COORDINATION/REFERENCE.
  - EXISTING BUILDING POWER PANEL TO REMAIN AND BE USED FOR THIS SCOPE OF WORK. PANEL IS 208Y/120V, 3PH, 4W, 225A BUSSEING WITH 150/3 MAIN CIRCUIT BREAKER AND HAS CAPACITY FOR THE ADDITIONAL LOAD REQUIRED BY THIS SCOPE OF WORK. PROVIDE NEW 60/3 CIRCUIT BREAKER PER SPECIFICATIONS (MATCH EXISTING EQUIPMENT MANUFACTURER AND I.C. RATINGS CONTRACTOR SHALL VERIFY ALL) AND INSTALL IN SPACE AVAILABLE IN EXISTING DISTRIBUTION SECTION. RUN 1-1/4" C. #4 CU THIN + 1 #10 CU GROUND TO NEW PANEL AND CONNECT.
  - EXISTING SUB-FEED CIRCUIT BREAKER, FEEDER AND PANELBOARDS TO REMAIN, SHOWN FOR CLARITY ONLY. NO WORK REQUIRED, TYPICAL UNLESS NOTED OTHERWISE.
  - PROVIDE NEW PANEL PER SPECIFICATIONS AND INSTALL PER 2/E4.01. REFER TO PANEL SCHEDULE THIS SHEET FOR COORDINATION/REFERENCE.

NEMA RATING: 1		PANEL 'GA'			LOCATION: STAGE												
CKT #	BRK	MISC. SPACE	HVAC	LVS	REGS.	CKT. KVA	PHASE KVA			LOCATION/DESCRIPTION	CKT. KVA	REGS.	HVAC	MISC. SPACE	BRK	CKT #	
							ΦA	ΦB	ΦC								
1	20				X	1.000				2.000							2
3	20				X	1.000					2.000						4
5	20				X	1.000					2.000						6
7	20				X	1.000				2.000							8
9	20				X	1.000					2.000						10
11	20				X	1.000					2.000						12
13	20				X	0.300				0.600							14
15	20				X	0.300					1.020						16
17	20				X	0.120					1.440						18
19	20				X	0.120				1.620							20
21	20				X	0.400					1.050						22
23	20				X	0.200					0.700						24
25	20				X	0.900				1.800							26
27	20				X	0.600					1.100						28
29	20					0.000				0.000							30
31	20					0.000				0.000							32
33	20					0.000				0.000							34
35	20					0.000				0.000							36
37	20					0.000				0.000							38
39	20					0.000				4.300							40
41	20					0.000				4.285							42
43	20					0.000				2.241							44
EXISTING BREAKER ALC. RATING		LCL		1.555	1.518	1.410	208Y/120VOLTS 3 Φ 4 WIRE			EXISTING RATED NEUTRAL							
EXISTING MAXIMUM ENCLOSURE DEPTH		TOTAL KVA		13.875	12.473	4.741	225 A BUS AMPACITY			150/3 MAIN BREAKER							
EXISTING MOUNTING PER		TOTAL AMPS		115.63	108.10	81.64	42 CIRCUIT INTERIOR			EXISTING LUGS							

NEMA RATING: 1		PANEL 'GAB'			LOCATION: VESTIBULE RM 100												
CKT #	BRK	MISC. SPACE	HVAC	LVS	REGS.	CKT. KVA	PHASE KVA			LOCATION/DESCRIPTION	CKT. KVA	REGS.	HVAC	MISC. SPACE	BRK	CKT #	
							ΦA	ΦB	ΦC								
1	20				X	0.300				3.120							2
3	20				X	0.360				3.480							4
5	20	X				0.230				0.811							6
7	20	X				0.805				0.805							8
9	20	X				0.805				0.805							10
11	20	X				0.805				1.305							12
13	20					0.000				0.000							14
15	20					0.000				0.000							16
17	20					0.000				0.000							18
19	20					0.000				0.000							20
21	20					0.000				0.000							22
23	20					0.000				0.000							24
10.000 BREAKER ALC. RATING		LCL		0.075	0.000	0.125	208Y/120VOLTS 3 Φ 4 WIRE			100% RATED NEUTRAL							
3.15" MAXIMUM ENCLOSURE DEPTH		TOTAL KVA		4.300	4.285	2.241	60 A BUS AMPACITY			60/3 MAIN BREAKER							
FLUSH MOUNTING PER		TOTAL AMPS		35.83	35.11	18.73	24 CIRCUIT INTERIOR			STANDARD LUGS							



**WE**  
WATERS ENGINEERING, INC.  
Consulting Electrical Engineer  
P.O. BOX 680  
Vista, California 92083-0680  
Telephone (619) 733-4783  
Facsimile (619) 733-4759  
E-mail: waterseng@comcast.net

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Phone (559) 438-9881 Fax (559) 438-9887 E-Mail: design@somam.com  
www.integrateddesigns.com

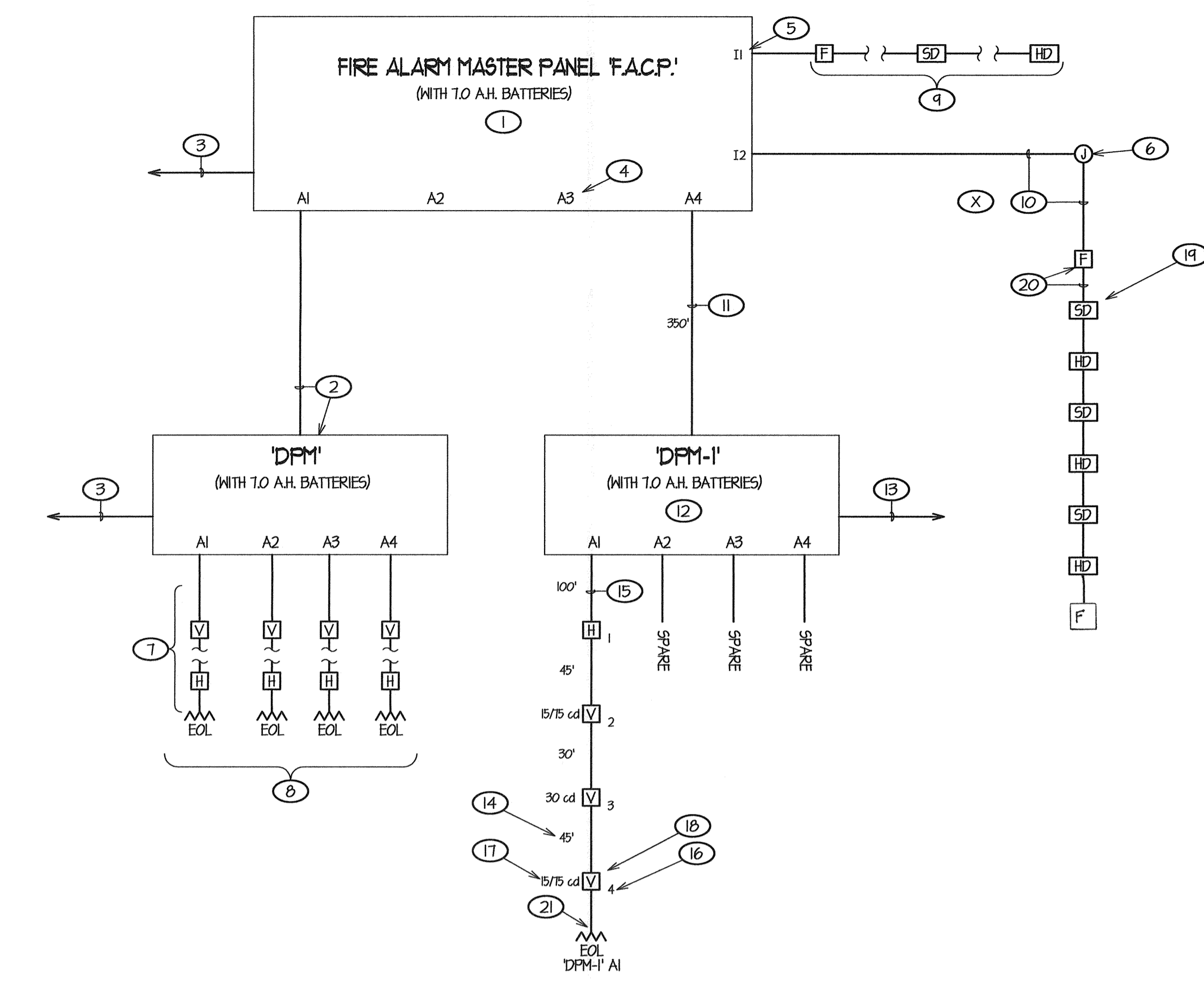
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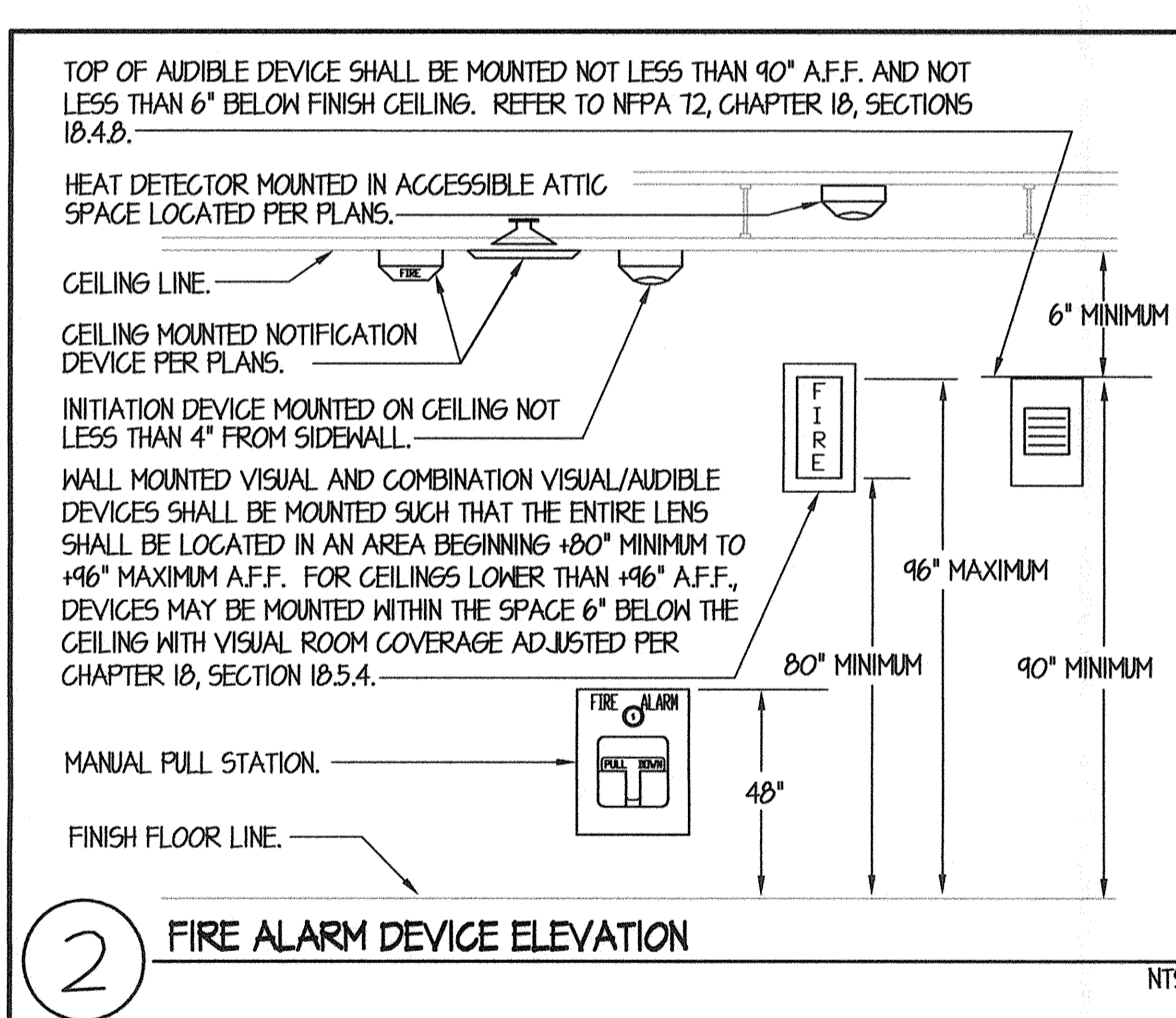
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REGISTERED ARCHITECT  
CURTIS E. FLYNN  
No. C 28986  
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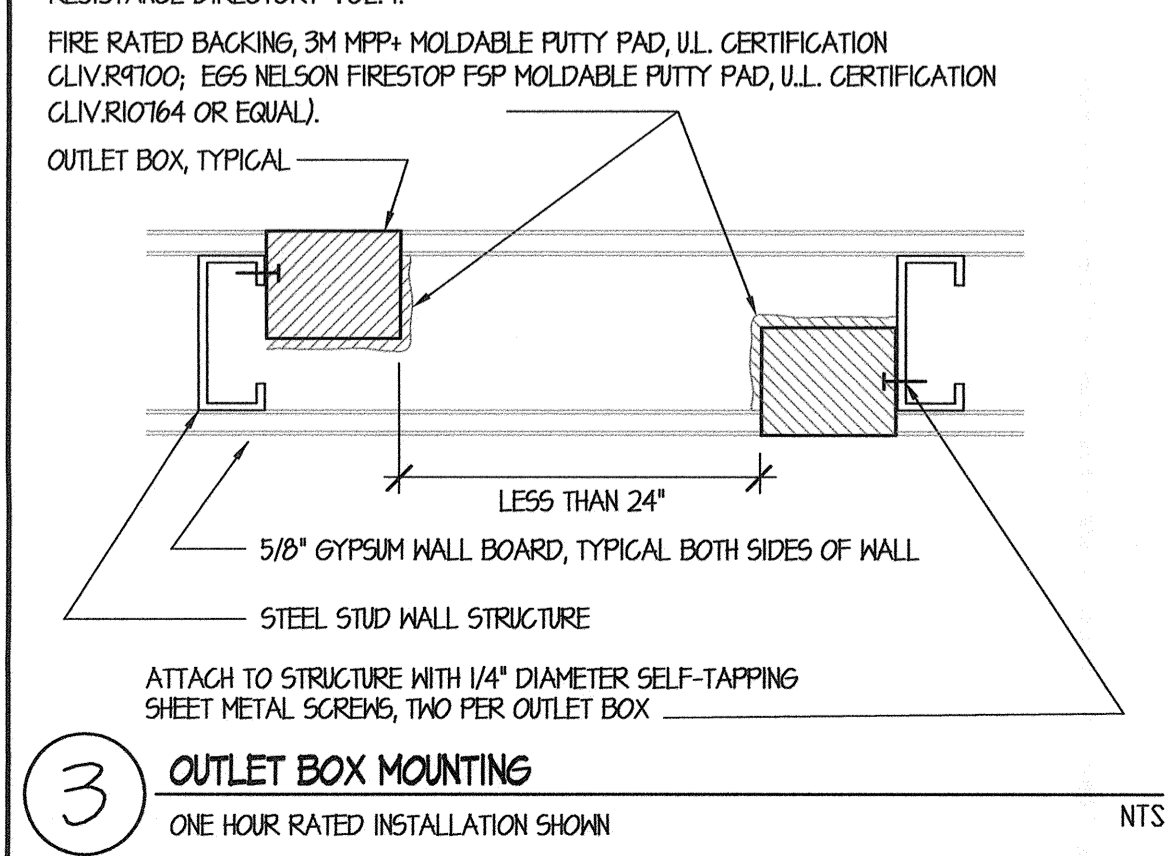
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1" = 30'-0"  
1" = 20'-0"  
1" = 1'-0"  
1/8" = 1'-0"  
1/4" = 1'-0"



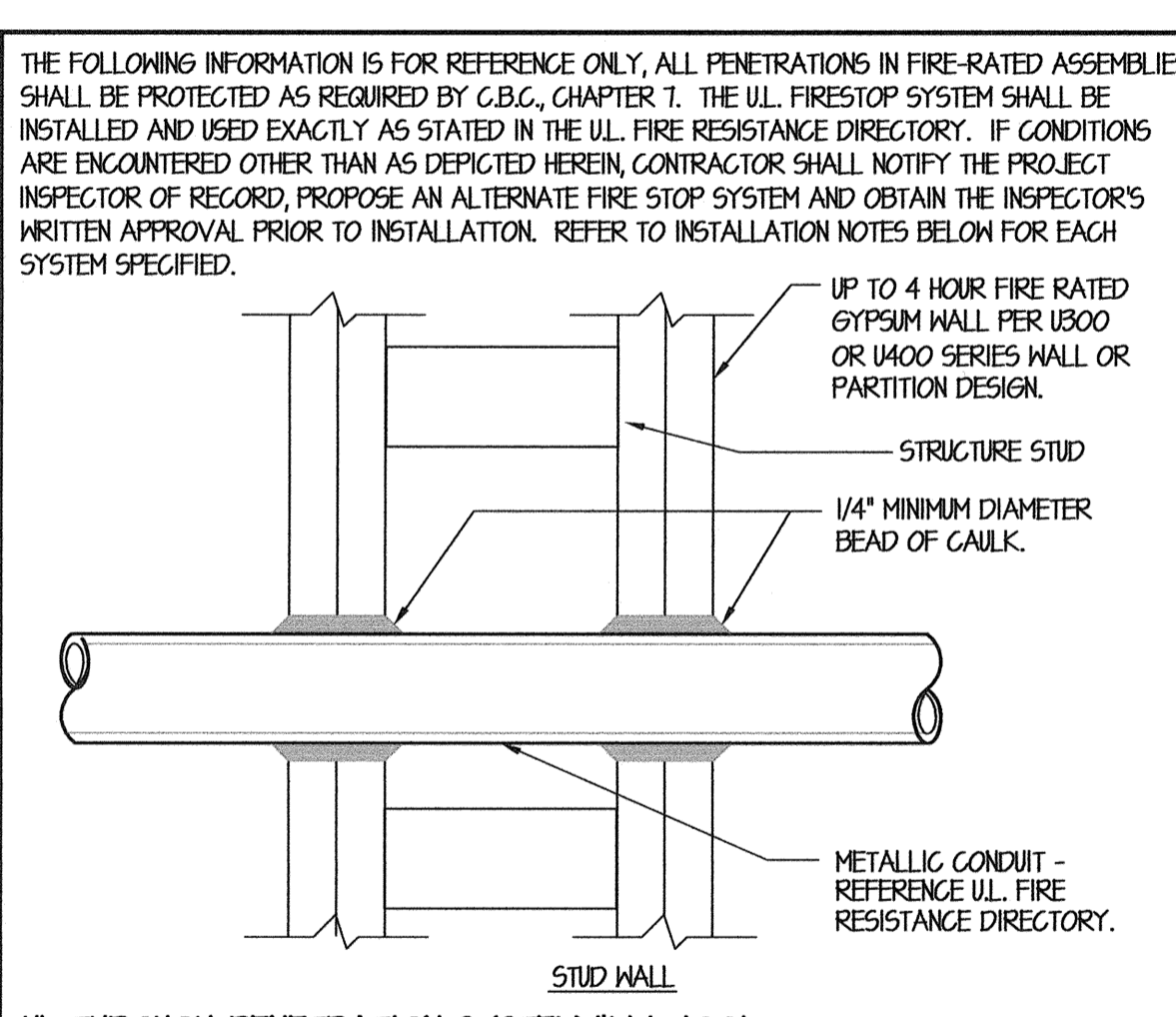
1 FIRE ALARM SINGLE LINE DIAGRAM  
NO SCALE



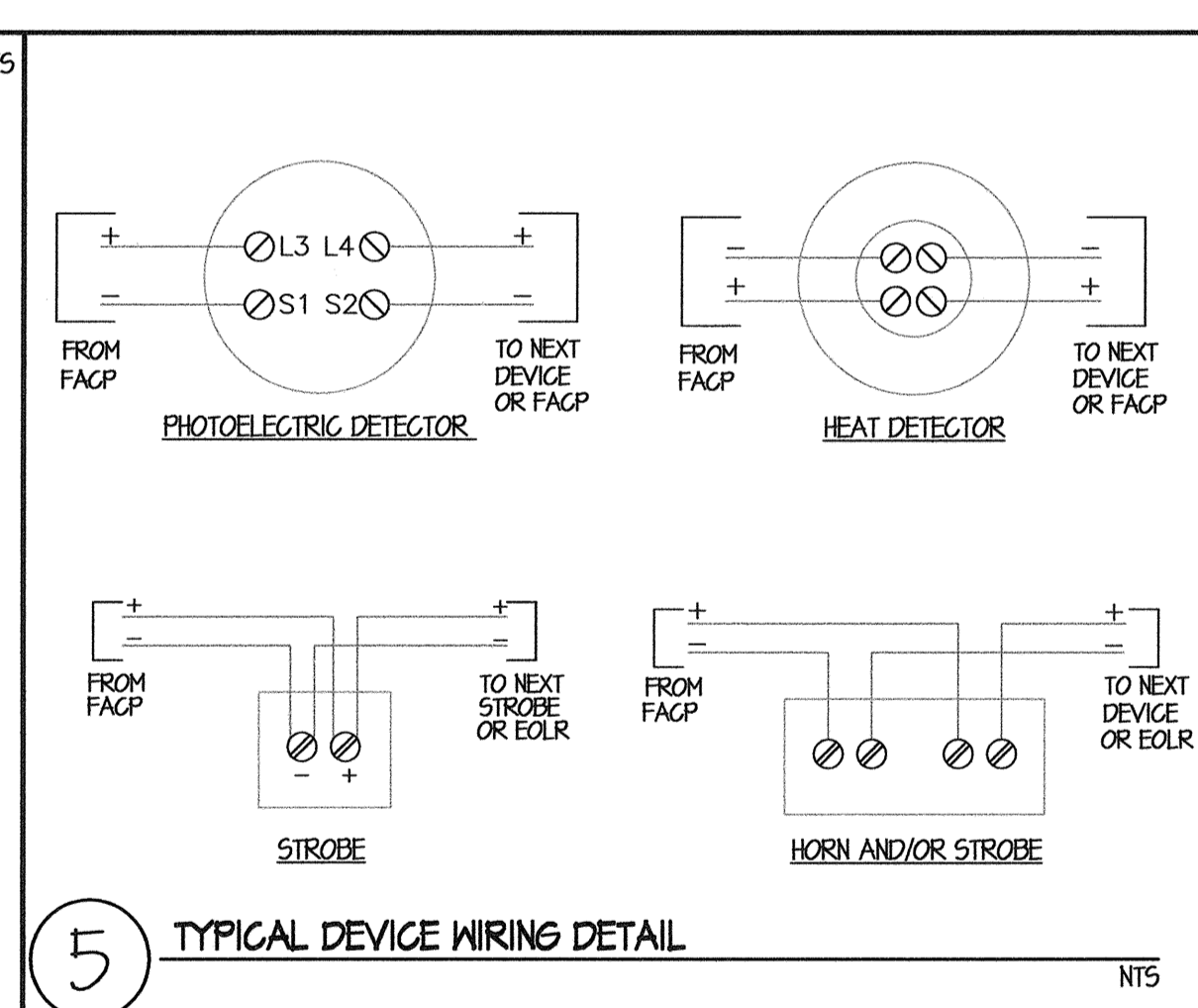
2 FIRE ALARM DEVICE ELEVATION  
NTS



3 OUTLET BOX MOUNTING  
ONE HOUR RATED INSTALLATION SHOWN  
NTS



4 FIRESTOP REQUIREMENTS FOR CONDUIT PENETRATION  
FOR METALLIC CONDUITS THROUGH FIRE RATED WALLS  
NTS



5 TYPICAL DEVICE WIRING DETAIL  
NTS

### FIRE ALARM SINGLE LINE DIAGRAM NOTES

- EXISTING FIRE ALARM CONTROL PANEL TO REMAIN. PANEL IS A FIRENET 412T AS MANUFACTURED BY HOCHIKI, C.S.F.M. # 7165-0410-0194, INSTALLED UNDER EMERGENCY CIRCUMSTANCES IN 2010 WITH PROTECTION MONITORING PER NFPA T2, CHAPTER 10, SECTION 10.15 REQUIREMENTS. REFER TO FIRE ALARM CALCULATIONS, THIS SHEET AND SITE ELECTRICAL PLAN, SHEET E101 FOR COORDINATION/REFERENCE.
- EXISTING FIRE ALARM DISTRIBUTED POWER MODULE AND FIRE ALARM FEEDER FROM FIRE ALARM CONTROL PANEL 'FACP' TO REMAIN. DFM IS 5K5345 AS MANUFACTURED BY SILENT KNIGHT, C.S.F.M. # 7300-0554-0123, INSTALLED UNDER EMERGENCY CIRCUMSTANCES IN 2010 WITH PROTECTION MONITORING PER NFPA T2, CHAPTER 14 REQUIREMENTS. REFER TO FIRE ALARM CALCULATIONS, THIS SHEET AND SITE ELECTRICAL PLAN, SHEET E101 FOR COORDINATION/REFERENCE.
- TO EXISTING DEDICATED 120VAC, 20A CIRCUIT BREAKER FOR EXISTING FIRE ALARM CONTROL EQUIPMENT TO REMAIN, NO WORK REQUIRED.
- NOTIFICATION CIRCUIT DESIGNATION, TYPICAL.
- INITIATION CIRCUIT DESIGNATION.
- EXISTING BUILDING SIGNAL PULL CAN LOCATED IN EQUIPMENT ROOM TO REMAIN. REFER TO FIRE ALARM PLAN, SHEET E301 FOR COORDINATION/REFERENCE.
- EXISTING NOTIFICATION APPLIANCES AND CIRCUITING SHOWN FOR CLARITY ONLY, TYPICAL WHERE OCCURS THIS PANEL. NO WORK REQUIRED. REFER TO FIRE ALARM BATTERY CALCULATIONS, THIS SHEET FOR COORDINATION/REFERENCE.
- EXISTING NOTIFICATION CIRCUIT END OF LINE RESISTOR TO REMAIN, SHOWN FOR CLARITY ONLY. NO WORK REQUIRED.
- EXISTING INITIATING DEVICES AND CIRCUITING SHOWN FOR CLARITY ONLY. NO WORK REQUIRED.
- ONE #2 CU THIN (NOTIFICATION) IN EXISTING I/C. PER PLANS.
- 2 #2 CU THIN (NOTIFICATION) IN EXISTING I/C. PER PLANS.
- PROVIDE NEW FIRE ALARM DISTRIBUTED POWER MODULE PER SPECIFICATIONS AND CONNECT PER MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE POWER FOR FIRE ALARM PLAN, SHEET E301. REFER TO FIRE ALARM CALCULATIONS, THIS SHEET FOR COORDINATION/REFERENCE.
- TO DEDICATED 120VAC, 20A CIRCUIT BREAKER FOR FIRE ALARM CONTROL EQUIPMENT PER NFPA T2, CHAPTER 10, SECTION 10.5.1 AND PROVIDE RED COLOR CIRCUIT BREAKER HANDLE AND DISCONNECT LOCATION LABELING PER NFPA T2, CHAPTER 10, SECTION 10.5.2. ADDITIONALLY, CONTRACTOR SHALL PROVIDE AND INSTALL A LISTED LOCK OUT DEVICE COMPATIBLE WITH THE CIRCUIT BREAKER FOR ADDED PROTECTION. REFER TO FIRE ALARM PLAN, SHEET E301 FOR COORDINATION/REFERENCE.
- 20 DENOTES DISTANCE BETWEEN NOTIFICATION APPLIANCES, TYPICAL.
- RUN 2 #12 CU THIN (NOTIFICATION) BETWEEN NOTIFICATION APPLIANCES, TYPICAL, SHOWN HERE FOR CLARITY ONLY. SEE FIRE ALARM PLAN, SHEET E301 TO DETERMINE EXACT ROUTING REQUIREMENTS OF FIRE ALARM CIRCUITING AND CONDUIT.
- DENOTES NOTIFICATION APPLIANCE NUMBER USED IN VOLTAGE DROP CALCULATIONS, TYPICAL. REFER TO FIRE ALARM VOLTAGE DROP AND BATTERY CALCULATIONS, THIS SHEET FOR COORDINATION/REFERENCE.
- DENOTES FIRE ALARM VISIBLE NOTIFICATION APPLIANCE NOMINAL CANDELA RATING REQUIRED, TYPICAL.
- PROVIDE NOTIFICATION APPLIANCE PER SPECIFICATIONS, TYPICAL. REFER TO INDIVIDUAL BUILDING FIRE ALARM PLANS FOR EXACT DEVICE LOCATIONS, QUANTITIES AND CONDUIT ROUTING REQUIREMENTS. REFER TO FIRE ALARM SYMBOL SCHEDULE, THIS SHEET FOR COORDINATION/REFERENCE.
- PROVIDE INITIATING DEVICE PER SPECIFICATIONS, TYPICAL. REFER TO INDIVIDUAL BUILDING FIRE ALARM PLANS FOR EXACT DEVICE LOCATIONS, QUANTITIES AND CONDUIT ROUTING REQUIREMENTS. REFER TO FIRE ALARM SYMBOL SCHEDULE, THIS SHEET FOR COORDINATION/REFERENCE.
- EXISTING INITIATION DEVICE IN AREA OF WORK TO REMAIN. EXTEND ONE #2 CABLE PER PLANS FROM EXISTING JUNCTION BOX, ITEM 6 ABOVE, AND CONTINUE BETWEEN INITIATION APPLIANCES, TYPICAL, SHOWN HERE FOR CLARITY ONLY. SEE BUILDING FIRE ALARM PLAN TO DETERMINE EXACT ROUTING REQUIREMENTS OF FIRE ALARM CIRCUITING AND CONDUIT.
- END OF LINE RESISTOR FOR INDICATED NOTIFICATION CIRCUIT, TYPICAL. PROVIDE AND INSTALL AT LAST NOTIFICATION APPLIANCE IN CIRCUIT PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

### FIRE ALARM BATTERY CALCULATIONS - "DFM-1"

EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
DISTRIBUTED POWER MODULE	0	1	0.090	0.090	0.090	0.090
HORN	1	0	0.000	0.000	0.028	0.028
VISUALS	5/15 cd	0	2	0.000	0.000	0.090
VISUALS	30 cd	0	1	0.000	0.000	0.093
SUB-TOTAL AMPERES			0.090	AMP	0.391	AMP
SUB-TOTAL AMPERE-HOURS			x 24 HOURS		x 0.084 HOURS	
SUB-TOTAL AMPERE-HOURS			2.16	AH	0.023	AH

### FIRE ALARM VOLTAGE DROP CALCULATIONS - FIRE ALARM PANEL

DEVICE NUMBER	UNIT AMPERES	TOTAL AMPERES	WIRE LENGTH	AWG SIZE	CIRC. MILS	OHMS RES. PER FT.	SEGMENT % VD	TOTAL % VD
1	0.028	0.30	100'	#12	6530	0.00164	0.48	0.48
2	0.090	0.27	45'	#12	6530	0.00164	0.20	0.68
3	0.092	0.18	30'	#12	6530	0.00164	0.09	0.77
4	0.090	0.09	45'	#12	6530	0.00164	0.07	0.84

### FIRE ALARM SYMBOL SCHEDULE

[Symbol]	FIRE ALARM MASTER PANEL HOCHIKI FIRENET 412T (C.S.F.M. # 7165-0410-0194)
[Symbol]	FIRE ALARM DISTRIBUTED POWER MODULE HOCHIKI #FN-642-ILADA (C.S.F.M. # 7315-0410-0166)
[SD]	AUTOMATIC SMOKE DETECTOR (PHOTOELECTRIC) - HOCHIKI #ALG-V (C.S.F.M. #1212-0410-0144) HOCHIKI #EB-NSA-6 BASE (C.S.F.M. #1300-0410-0132)
[HD]	AUTOMATIC HEAT DETECTOR MOUNTED IN ATTIC HOCHIKI #FE-140 (C.S.F.M. #1210-0410-0114) HOCHIKI #EC-224L BASE (C.S.F.M. #1300-0410-0132)
[F]	FIRE ALARM MANUAL PULL STATION (C.S.F.M. # 7150-0410-0169) HOCHIKI #DF-AM3-KL-LP
[V]	WALL MOUNTED VISUAL DEVICE - CANDELA RATING PER PLANS WHEEL LOCK #RS-24MCM-FM (C.S.F.M. #1125-0185-0141) CURRENT: 0.090 A 5/15 CD 0.092A 30 CD
[Symbol]	CIRCUIT END OF LINE RESISTOR.

### FIRE ALARM SYSTEM OPERATIONAL MATRIX

SYMBOL	DEVICE DESCRIPTION	ACTIVATE EVACUATION HORNS/STROBES	RELEASE DOOR CLOSURE DEVICE	SHUT DOWN HVAC FANS	ANNUNCIATE AT BUILDING FACP.	ACTIVATE FIRE/SMOKE DAMPERS	ACTIVATE FIRE RATED ROLL-UP DOORS
[SD]	SMOKE DETECTOR	X	X		X	X	X
[F]	Manual Pull	X	X		X	X	X
[HD]	HEAT DETECTOR	X	X		X		X

### COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

THE FIRE ALARM SYSTEM DESIGN IS A COMPLETE PLAN SUBMITTAL PER DSA POLICY. THE CONTRACTOR SHALL INSTALL THE AUTOMATIC, ADDRESSABLE FIRE PROTECTION SYSTEM AS SHOWN AND AS HEREIN SPECIFIED. IF ANY SUBSTITUTION OF FIRE ALARM EQUIPMENT IS TO BE REQUESTED, SUCH REQUEST SHALL BE MADE A MINIMUM OF TEN BUSINESS DAYS PRIOR TO PROJECT BID DATE. THE CONTRACTOR SUBMITTAL SHALL INCLUDE ALL MANUFACTURER'S CATALOG SPECIFICATION SHEETS, THE CSM LISTING SHEETS FOR INDIVIDUAL COMPONENTS COMPRISING THE SUBSTITUTED FIRE ALARM SYSTEM, BATTERY LOAD CALCULATIONS AND VOLTAGE DROP CALCULATIONS FOR EACH SIGNALING CIRCUIT. SHOULD THE SUBSTITUTED SYSTEM BE APPROVED AND INSTALLED, THE CONTRACTOR SHALL PROVIDE ONE SET OF REPRODUCIBLE CAD GENERATED, DSA-ORS APPROVED AND STAMPED 'AS-CONSTRUCTED' DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE SYSTEM INSTALLATION.

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ARCHITECTURE • INTERIOR DESIGN • CONSTRUCTION MANAGEMENT  
6011 N. Fremont, Suite 130, Fresno, California 93710  
Phone (559) 439-9881 Fax (559) 439-9887 E-Mail: design@somam.com  
www.integrateddesigns.com

Project Name & Address:  
**MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION**  
BAKERSFIELD CITY SCHOOL DISTRICT  
2161 POPTOMAC AVENUE BAKERSFIELD CA.

Issue Date: 07/19/12  
Date: 07/19/12  
Designer: VWW  
DR: VWW  
PC: CJM

DSA Identification Stamp:  
FILE #15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-114521  
AC: FLS SS  
DATE: 5/11/12

TRACKING #: - - - - -

Stamp(s):  
REGISTERED PROFESSIONAL ENGINEER  
No. E1 14975  
Exp. 6/30/13  
ELECTRICAL  
STATE OF CALIFORNIA

REGISTERED ARCHITECT  
CURTIS E. FINE  
No. C 28866  
Exp. 5-31-13  
STATE OF CALIFORNIA

Job No.: **3990**  
Sheet No.: **E5.01**  
Release: -

WE  
WATERS ENGINEERING, INC.  
Consulting Electrical Engineer  
P.O. Box 680  
Visalia, California 93274-0680  
Telephone (559) 733-4133  
Facsimile (559) 733-4129  
E-mail: waterse@engcon.com.net

Certificate of Compliance (Part 1 of 4) LTG-1C
Project Name: MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION
Date: 07-18-12
Building Code: 204
Unconditioned Floor Area: 0

Certificate of Compliance (Part 2 of 4) LTG-1C
INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
Installation Certificate, LTG-1-INST
Certificate of Acceptance, LTG-2A
Luminaire Schedule (Type, Lamps, Ballasts)

Certificate of Compliance (Part 3 of 4) LTG-1C
MANDATORY LIGHTING CONTROLS - FIELD INSPECTION ENERGY CHECKLIST
SPECIAL FEATURES INSPECTION CHECKLIST
Field Inspector's Note or Discrepances

Certificate of Compliance (Part 4 of 4) LTG-1C
Indoor Lighting Power Allowance
Equipment Requiring Testing
Luminaire Controlled

INDOOR LIGHTING POWER ALLOWANCE LTG-3C
COMPLETE BUILDING METHOD
AREA CATEGORY METHOD - PART A
TOTALS: 160 WATTS PER (ft^2), 364 COMPLETE BLDG AREA, 630 ALLOWED WATTS

2008 Nonresidential Compliance Forms
August 2008

2008 Nonresidential Compliance Forms
August 2008

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August 2008

Certificate of Compliance (Part 1 of 4) OLTG-1C
Project Name: MT. VERNON ELEMENTARY KITCHEN ADDITION
Date: 07-18-12
Total Hardcopy Illuminated Area: 0
Documentation Author's Declaration Statement

Certificate of Compliance (Part 2 of 4) OLTG-1C
COMPLIANCE FEATURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST
Installation Certificate, LTG-1-INST
Certificate of Acceptance, LTG-2A
Luminaire Schedule

Certificate of Compliance (Part 3 of 4) OLTG-1C
PROJECT NAME: MT. VERNON ELEMENTARY KITCHEN ADDITION
Date: 07-18-12
A. OUTDOOR LIGHTING ZONE
B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS

Certificate of Compliance (Part 4 of 4) OLTG-1C
ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER
Lighting Wattage Power Allowance

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August 2008

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TITLE 24 COMPLIANCE DOCUMENTATION
PROJECT NAME & ADDRESS: MT. VERNON ELEMENTARY SCHOOL KITCHEN ADDITION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
FILE #15-6

REGISTERS PROFESSIONAL ENGINEER
WATERS ENGINEERING, INC.
P.O. BOX 630
VISALIA, CALIFORNIA 93278-0630

WE
WATERS ENGINEERING, INC.
Consulting Electrical Engineer

#2012-02

1" = 40'-0"
1" = 30'-0"
1" = 20'-0"
1" = 1'-0"
1/8" = 1'-0"
1/4" = 1'-0"