

A	- ACCESSIBLE	MIN	- MINIMUM
AC	- ASPHALT CONCRETE	MIR	- MIRROR
ACC	- AIR CONDITIONING	MJC	- MISCELLANEOUS
ACCUS	- ACUSTICAL	MTL	- METAL
ADD	- ADDENDUM	(N)	- NEW
ADJ	- ADJUSTABLE or	NO	- NOT IN CONTRACT
	ADJACENT	NR	- NUMBER
ALUM	- ALUMINUM	NTS	- NOT TO SCALE
ARCH	- ARCHITECT (URAL)	O/	- OVER
BD	- BOARD	OC	- ON CENTER
BLDG	- BUILDING	OD	- OUTSIDE DIAMETER
BLKG	- BLOCKING	OPP	- OPPOSITE
BM	- BEAM	PL	- PROPERTY LINE
BOT	- BOTTOM	PLAM	- PLASTIC LAMINATE
BUR	- BUILT UP ROOFING	PL	- PLASTER
C	- CARPET	PL	- PLATE
CAB	- CABINET	PLWD	- PLYWOOD
CB	- CATCH BASIN	PNL	- PANEL
CEM	- CEMENT	POC	- POINT OF CONNECTION
CF	- CLUBFOG FIGHT	PTDF	- PRESERVATIVE
CJ	- CONTROL JOINT		- TREATED DOUGLAS FIR
CLG	- CEILING	PTN	- PARTITION
CT	- CERAMIC MOSAIC (TILE)	PVC	- POLYVINYL CHLORIDE
CMU	- CONCRETE MASONRY	R	- ROOF DRAIN
	UNIT	REF	- REFERENCE
CO	- CLEAN OUT	REFR	- REFRIGERATOR
COL	- COLUMN	REQD	- REQUIRED
CONC	- CONCRETE	RES	- RESILIENT
CONT	- CONTINUOUS	RDWD	- REDWOOD
CSK	- COUNTERSINK	RWL	- RAIN WATER LEADER
CW	- COLD WATER	SOH	- SCHEDULE
DET	- DETAIL	SS	- STORM DRAIN
D	- DRAIN	SEC	- SECTION
DIA	- DIAMETER	SF	- SQUARE FEET
DIAG	- DIAGONAL	SHT	- SHEET
DIM	- DIMENSION	SHTG	- SHEATHING
DIV	- DIVISION	SIM	- SIMILAR
DR	- DOOR	SPEC	- SPECIFICATIONS
DS	- DOWNSPOUT	SQ	- SQUARE
DWG	- DRAWING	ST	- STAINLESS STEEL
E	- EACH	STN	- STAIN
(E)	- EXISTING	STD	- STANDARD
EJ	- EXPANSION JOINT	STL	- STEEL
ELEV	- ELEVATION	TEMP	- TEMPERED
ELECT	- ELECTRICAL	T&G	- TONGUE-AND-GROOVE
EQ	- EQUAL	THRU	- THROUGH
EXT	- EXTERIOR	TJ	- TOOL JOINT
(F)	- FUTURE	TOC	- TOP OF CURB, CRICKET, or CONCRETE
FAB	- FABRICATION	TOP	- TOP OF PARAPET
FAC	- FACTORY	TOS	- TOP OF SLAB,
FF	- FINISHED FLOOR	TS	- SHEATHING, or STEEL
FIN	- FINISH	TOF	- TOP OF SHEATHING
FND	- FOUNDATION	TV	- TELEVISION
FOF	- FACE OF FINISH	TYP	- TYPICAL
FOF	- FACE OF PLYWOOD	UON	- UNLESS OTHERWISE
FOS	- FACE OF STUD		NOTED
FRP	- FIBERGLASS	VAR	- VARIES
	REINFORCED PLASTIC	VCT	- VINYL COMPOSITION
	PANELS		TILE
FTG	- FOOTING	VCTB	- VINYL COVERED
FURR	- FURRED (ING)		TACKBOARD
GA	- GAUGE	VFY	- VERIFY
GB	- GYPSUM BOARD	VIF	- VERIFY IN FIELD
GL	- GLASS or GLAZING	VWC	- VINYL WALL COVERING
GLV	- GALVANIZED	W/	- WITH
GSM	- GALVANIZED SHEET	WD	- WOOD
	METAL	WF	- WIDE FLANGE
GYP	- GYPSUM	WIN	- WINDOW
HB	- HOSE BIBB	W/	- WITH OUT
HC	- HOLLOW CORE	WS	- WOOD SCREW
HDW	- HARDWOOD	WSCST	- WAINSCOT
HM	- HOLLOW METAL (STEEL)	@	- AT
HR	- HORIZONTAL	Ø	- DIAMETER
HT	- HEIGHT	±	- PLUS/MINUS
HVAC	- HEATING VENTILATING	°	- DEGREES
	AIR CONDITIONING		
IHW	- HOT WATER		
ID	- INSIDE DIAMETER		
INSUL	- INSULATE (D), (ION)		
INT	- INTERIOR		
INV	- INVERT		
JT	- JOINT		
LAM	- LAMINATE (D)		
LAV	- LAVATORY		
MATL	- MATERIAL		
MAX	- MAXIMUM		
MECH	- MECHANICAL		
MFG	- MANUFACTURING		
MFR	- MANUFACTURER		

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2013 CALIFORNIA CODE OF REGULATIONS (TITLE DOCUMENTS) AND ALL OTHER LOCAL CODES AND ORDINANCES OF THE GOVERNING AUTHORITY HAVING JURISDICTION AND IS IDENTIFIED UNDER APPLICABLE CODES ON THIS SHEET. IT IS THE INTENT OF THESE DOCUMENTS TO COMPLY HERETO.
2. ALL DRAWINGS SHALL BE USED IN CONCERT WITH EACH OTHER. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCY BETWEEN THE DOCUMENTS, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ARCHITECT. REFER TO THE ARCHITECTURAL AND ENGINEERING DRAWINGS FOR SCALE, ORIENTATION AND COORDINATION OF WORK. INFORMATION SHOWN IN LARGER SCALE IS INTENDED TO SUPPLEMENT INFORMATION OF SMALLER, PRECEDING REFERENCE DRAWINGS. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
3. NOTATIONS MARKED "TYPICAL" (TYP.) SHALL BE CONSISTENT THROUGHOUT ALL SUCH REFERENCE NOMENCLATURE, SYMBOLS AND DRAWING INDICATIONS OF LIKE OR SIMILAR KIND.
4. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONSTRUCTION CONDITIONS AND PLACEMENT PRIOR TO ORDERING OR FABRICATING OR INSTALLING ANY ASSOCIATED WORK. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ASSOCIATED WORK.
5. CONTRACTOR SHALL VERIFY, AT THE SITE, ALL EXISTING CONDITIONS PRIOR TO SUBMITTAL OF BIDS. SITE VISITS DURING BIDDING SHALL BE COORDINATED WITH THE OWNER IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATIONS.
6. CONTRACTOR SHALL PROTECT ALL EXISTING WORK. ANY DAMAGED WORK SHALL BE REPLACED WITH THE SAME MATERIALS, INCLUDING MATCHING THE EXISTING COLORS AND TEXTURES.
7. EXISTING WORK IS SHOWN FOR REFERENCE ONLY. THE OWNER AND/OR ARCHITECT DO NOT GUARANTEE EXISTING CONDITIONS AS SHOWN ON THESE DOCUMENTS.
8. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR THEIR OWN CLEANUP AS WORK PROGRESSES.
9. MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS THAT ARE DISCOVERED DURING THE PROGRESS OF THE WORK SHALL BE REPORTED TO THE OWNER IN WRITING. WORK IN THAT PARTICULAR AREA SHALL BE SUSPENDED UNTIL THE OWNER TESTS THE SUSPECT MATERIAL AND IT IS FOUND TO BE SAFE, OR THE MATERIAL HAS BEEN PROPERLY ABATED.
10. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
11. IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONSTRUCTION DOCUMENTS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE FULLY SHOWN.
12. STORAGE OF CONSTRUCTION MATERIAL AND EFFECT OF WORK ON EXISTING OCCUPIED AREAS SHALL BE APPROVED BY THE LOCAL FIRE AUTHORITY.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK PROVIDED BY OTHERS UNDER SEPARATE CONTRACT.
14. KEYNOTES USED ON THE ARCHITECTURAL DRAWINGS ARE FOR ASSEMBLIES, MATERIAL REFERENCES AND NOTES. REFER TO THE KEYNOTE LIST ON THE RESPECTIVE DRAWING FOR THE INFORMATION WHICH RELATES TO EACH KEYNOTE.

ROOM NAME ROOM NUMBER

101 ROOM AREA

... S.F. ROOM AREA

DEMOLITION SCHEDULE TAG

ROOM NUMBER

101 ROOM NAME

1 A 1 CEILING

WALL

FLOOR/BASE

SCHEDULE INDICATES DEMOLITION REQUIREMENTS. REFER TO DEMOLITION SCHEDULE AND BUILDING DEMOLITION PLANS

2 EXTERIOR ELEVATION REFERENCE

A6.11 SHEET NUMBER

2 SECTION NUMBER

A7.11 SHEET NUMBER

2 DETAIL NUMBER

A10.90 SHEET NUMBER

101-1 INTERIOR ELEVATION NUMBER CLOCKWISE SEQUENCE

101-3 SHEET NUMBER

101-4

101A DOOR NUMBER

101A WINDOW NUMBER

A WALL TYPE

10 ACCESSORY TAG

8'-0" CEILING HEIGHT TAG

101 KEYNOTE REFERENCE OR COLOR DESIGNATION

1. A COPY OF PARTS 1 TO 5, TITLE 24, C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES
2. ALL CONSTRUCTION CHANGE DIRECTIVES - C.C.D. (CHANGE ORDERS) - AND ADDENDA TO BE SIGNED BY ARCHITECT AND THE OWNER AND APPROVED BY DSA. CONSTRUCTION CHANGE DIRECTIVES - C.C.D. (CHANGE ORDERS) - AND ADDENDA ARE NOT VALID UNTIL APPROVED BY DSA. PER SECTION 4-333(b) (1) (A) (ii)
3. NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL. SUBSTITUTIONS AFFECTING ACCESS COMPLIANCE SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:
  - ARCHITECT OR ENGINEER OF RECORD.
  - STRUCTURAL ENGINEER (WHEN APPLICABLE)
  - DELEGATED PROFESSIONAL ENGINEER.
4. DSA
5. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
6. PER CBC 118-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRIAL TOLERANCES UNLESS OTHERWISE THE REQUIREMENT IS STATED AS RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS."
7. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, AND APPROVED TESTS AND INSPECTIONS SHEET.
8. TESTS OF MATERIALS SHALL AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335, PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST SHALL BE PER GENERAL CONDITIONS.
9. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(b). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-342, PART 1, TITLE 24.
10. SUPERVISION OF CONSTRUCTION OF DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
11. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (Form SSS-6) IN ACCORDANCE WITH SECTIONS 4-336 AND 4-343, PART 1, TITLE 24.
12. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTIONS 4-333(b) AND 4-341, PART 1, TITLE 24.
13. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTIONS 4-343, PART 1, TITLE 24.
14. THE CONTENT OF THE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DIRECTIVES-C.C.D., OR A COMPLETE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.

THE FOLLOWING IS A BRIEF DESCRIPTION OF THE SCOPE OF WORK AS REQUIRED BY DSA. CONTRACTOR SHALL DETERMINE/VERIFY THE ENTIRE SCOPE AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS PRIOR TO SUBMITTING BIDS.

1. RELOCATION OF (1) 30'X32' RELOCATING AND ASSOCIATED SITE IMPROVEMENTS ALTERATIONS TO EXISTING PARKING LOT.
2. MINOR ALTERATIONS TO EXISTING TOILET/ RESTROOMS FACILITIES
3. ADDITION TO EXISTING BUILDINGS 900, 1000
4. ADD 1100' TOILET.

THE PATH OF TRAVEL (POT) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR "PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS".

AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED TO DETERMINE COMPLIANCE WITH THESE ACCESSIBILITY ELEMENTS. COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT. WORK THROUGHOUT THE PROJECT SHALL BE SPECIFICALLY INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD DURING CONSTRUCTION OR A DETERMINATION OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CODE AS THEY ARE IDENTIFIED.

## The logo of the Bakersfield City School District is a circular emblem. In the center is a detailed illustration of a clock tower with two visible clock faces. The tower has arched openings at its base and decorative diamond patterns on its upper levels. Surrounding the tower is a circular border containing the text "BAKERSFIELD CITY SCHOOL DISTRICT" at the top and the motto "Where The Child Comes First" at the bottom, separated by two small dots.

**3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306**

**AGENCY TRACKING NO.: 63321-208**

TITLE SHEET		30'x32' CLASSROOM RELOCATABLE CLASS LEASING (A# 04-113850) S/N 10137-10139		STATEMENT OF GENERAL CONFORMANCE	
A.01 TITLE SHEET				FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.	
CIVIL				Application No. 03-11700      File No. 15-6	
C-1	TITLE SHEET	A-0	COVER SHEET	<input checked="" type="checkbox"/> Relocate Silver Creek Industries Inc. drawings or sheets listed on the cover or index sheet	
C-2	DEMO & CONSTRUCTION PLAN	A-0.1	SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE	<input type="checkbox"/> This drawing, page or specifications/calculations	
ARCHITECTURAL		A-0.2	SCHEDULES	have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:	
A1.10	SITE PLAN - LOCAL FIRE AUTHORITY REVIEW	A-1.01	FLOOR PLAN	1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by	
A1.11	SITE PLAN - FLOOD ZONE MAP	A-2.01	REFLECTED CEILING PLAN	2) me, and coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.	
A1.12	SITE PLAN	A-2.20	CEILING DETAILS	The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341, and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))	
A1.13	ENLARGED SITE PLAN	A-3.01	ROOF PLAN	I find that: <input checked="" type="checkbox"/> The relocate Silver Creek Industries Inc. drawings or sheets listed on the cover or index sheet	
A1.14	ENLARGED PARKING	A-3.50	ROOF DETAILS	<input type="checkbox"/> This drawings or page	
A2.10	FLOOR PLAN - (E) TOILET REFERENCE	A-4.01	EXTERIOR ELEVATIONS	<input checked="" type="checkbox"/> is/are in general conformance with the project design, and	
A10.10	DETAILS	A-5.01	CROSS SECTION	<input checked="" type="checkbox"/> has/have been coordinated with the project plans and specifications	
ELECTRICAL		A-5.05	CROSS SECTION	4/20/2016	
E1.0	SYMBOLS & GENERAL NOTES	A-5.50	ARCHITECTURAL DETAILS WOOD STUD - WOOD SIDING	Date	
E1.1	GENERAL ELECTRICAL SPECIFICATIONS	A5.70	ARCHITECTURAL DETAILS FLOOR		
E2.0	SITE ELECTRICAL PLAN	A5.80	ARCHITECTURAL DETAILS MISCELLANEOUS		
E2.1	PARTIAL SITE RELO POWER PLAN	A5.81	ARCHITECTURAL DETAILS MISCELLANEOUS		
E2.2	RELO SIGNAL PLAN	A-6.01	INTERIOR ELEVATION		
E2.3	PARTIAL FIRE ALARM PLAN	F-0.02	WOOD FOUNDATION PLAN		
E3.0	FIRE ALARM RISED DIAGRAM, VOLTAGE DROP AND BATTERY CALCULATIONS	F-0.50	FOUNDATION DETAILS		
E3.1	FIRE ALARM DETAILS AND WIRING DIAGRAMS	S-0.1	STRUCTURAL SPECIFICATIONS		
E4.0	SINGLE LINE DIAGRAM	S-1.01	FLOOR FRAMING PLAN		
E5.0	DETAILS	S-1.50	FLOOR FRAMING DETAILS		
		S-2.50	ROOF FRAMING DETAILS		
		S-2.60	ROOF FRAMING DETAILS		
		S-2.90	ROOF FRAMING DETAILS		
		S-3.01	BUILDING SECTIONS		
		S-5.00	FRAMING ELEVATIONS		
		S-5.10	WALL FRAMING DETAILS		
		S-5.11	WALL FRAMING DETAILS		
		P-1.01	PLUMBING DETAILS AND SCHEDULE		
		M-0.1	MECHANICAL NOTES, SCHEDULES, & DETAILS		
		M-1.01	MECHANICAL PLAN WALL MOUNT		
		E-1.01	ELECTRICAL PLAN & SCHEDULE		
		R-1.01	RAMP LANDING		
		R-2.01	RAMP DETAILS		

<b><u>CALIFORNIA CODE OF REGULATIONS, TITLE 24 - BUILDING STANDARDS</u></b>	
2013	<b>CALIFORNIA ADMINISTRATIVE CODE (CAC)</b> (Title 24, Part 1, CCR) - At Chapter 10, 2010 California Building Standards Administrative Code (Title 24, Part 1) applies
2013	<b>CALIFORNIA BUILDING CODE (CBC)</b> , Volumes 1 & 2 (Title 24, Part 2, CCR) (2012 International Building Code with 2013 California amendments)
2013	<b>CALIFORNIA ELECTRICAL CODE</b> , Title 24, Part 3, CCR) (2011 National Electrical Code with 2013 California amendments)
2013	<b>CALIFORNIA MECHANICAL CODE (CMC)</b> , Title 24, Part 4, CCR) (2012 Uniform Mechanical Code with 2013 California amendments)
2013	<b>CALIFORNIA PLUMBING CODE (CPC)</b> , Title 24, Part 5, CCR) (2012 Uniform Plumbing Code with California amendments)
2013	<b>CALIFORNIA FIRE CODE</b> , (Title 24, Part 6, CCR)
2013	<b>CALIFORNIA HISTORICAL BUILDING CODE</b> , (Title 24, Part 8, CCR)
2013	<b>CALIFORNIA FIRE CODE (CFC)</b> , Title 24, Part 9, CCR) (2012 International Fire Code with California amendments)
2013	<b>CALIFORNIA EXISTING BUILDING CODE</b> , (Title 24, Part 10, CCR)
2013	<b>CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)</b> , Title 24, Part 11, CCR) - 2010 California Green Building Standards Code applies at those portions designated by California Building Standards Commission.
2013	<b>CALIFORNIA REFERENCE STANDARDS CODE</b> , (Title 24, Part 12, CCR)
2010	ADA STANDARDS FOR ACCESSIBILITY DESIGN, U.S. Department of Justice
2013	NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2013 Edition
2013	NFPA 72, NATIONAL FIRE ALARM CODE AND SIGNALING CODE, 2013 Edition

**NOTE:** SOME CODES MAY NOT APPLY IF WORK REGULATED BY SUCH CODES IS NOT WITHIN THE SCOPE OF THIS PROJECT.

<p><b>OWNER:</b>          BAKERSFIELD CITY SCHOOL DISTRICT          1501 FELIZ DRIVE          BAKERSFIELD, CA 93307          PHONE: (661) 636-4000          FAX: (661) 636-4130</p> <p><b>CONTACT:</b> ROBERT VAN TASSEL          RANDY ROWLES</p>	<p><b>CIVIL ENGINEER:</b>          PORTER &amp; ASSOCIATES, INC.          1200 21ST STREET          BAKERSFIELD, CA. 93301          PHONE: (861) 327-0362          FAX: (861) 327-1065</p> <p><b>CONTACT:</b> FREDDIE PORTER</p>
<p><b>ARCHITECT:</b>          IBI GROUP ARCHITECTURE PLANNING          4119 BROAD STREET, SUITE 210          SAN LUIS OBISPO, CA. 93401          PHONE: (805) 546-0433          FAX: (805) 546-0504</p> <p><b>CONTACT:</b> RICHARD MELLO          PRINCIPAL</p>	<p><b>ELECTRICAL:</b>          FERRANTI ENGINEERING          1211 MARICOPA HWY #250          OJAI, CA 93023          PHONE: (805) 705-4772          FAX:</p> <p><b>CONTACT:</b> DALE FERRANTI</p>

THIS PROJECT A# 03-117001 SHALL NOT BE CERTIFIED UNTIL A# 04-113850 IS CLOSED AND CERTIFIED.

BAKERSFIELD, CA 93306

UNIVERSITY AVENUE

RENEGADE AVENUE

WEIMATCHEE AVENUE

PASADENA STREET

COLUMBUS STREET

COLONEL NICHOLS  
ELEMENTARY SCHOOL

**I B I** San Luis Obispo  
4119 Broad Street, Suite 210  
San Luis Obispo, CA 93401  
805.546.0433 fax: 805.546.0504

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## REVISIONS

NO.	DATE	APPRD.	DESCRIPTION
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Forms Final DSA-152-IPI and Final DSA-292 shall be on the jobsite prior to installation of the modular unit(s), including the serial numbers for each unit.

The site project inspector shall verify the Form Final DSA-152-IP and Final DSA-292 are applicable to each unit prior to installation of the unit(s).

Notify architect and the Division of the State Architect Field Engineer if any discrepancies occur.

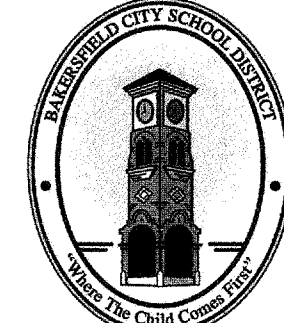
AGENCY INFORMATION

AGENCY TRACKING NO. 63321-208  
FILE NO. 15-6

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

03-117001

AC 11 FLS 6 SS FLC  
DATE 4/20/16

BAKERSFIELD CITY SCHOOL  
DISTRICT

**COLONEL NICHOLS  
ELEMENTARY SCHOOL  
30'X32' RELOCATABLE**  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

PROJECT NO: 15178.00

DRAWN BY: CC

ISSUE DATE: 04/20/16

SHEET TITLE:

# TITLE SHEET

SHEET NUMBER

# A0.01



# COLONEL NICHOLS ELEMENTARY SCHOOL 30'X32' RELOCATABLE

3401 RENEGADE AVE  
BAKERSFIELD, CA. 93306

## GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THIS PLAN, THE CALIFORNIA BUILDING CODE, LATEST EDITION AND STANDARDS PERTAINING THERETO. THESE DOCUMENTS SHALL BE MADE A PART HEREOF.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DIMENSIONS, DATA AND MEASUREMENTS AT THE BUILDING SITE PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. PORTER & ASSOCIATES, INC. MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.
- EXISTING UTILITY AND UNDERGROUND LINES HAVE BEEN SHOWN ON THIS PLAN ACCORDING TO AVAILABLE RECORDS. THE ENGINEER IS NOT RESPONSIBLE FOR POSSIBLE ERRORS OR OMISSIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF ANY WORK. UNDERGROUND SERVICE ALERT (U.S.A.: 1-800-227-2600) SHALL BE CONTACTED AT LEAST TWO WORKING DAYS PRIOR TO ANY CONSTRUCTION OR EXCAVATION.
- ANY EXISTING IMPROVEMENTS OR UTILITIES THAT ARE REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE ENGINEER AND APPROVED BY THE GOVERNING AUTHORITY.
- IF A PROBLEM OR CONFLICT SHOULD ARISE DURING THE COURSE OF THE PROJECT, IT IS THE RESPONSIBILITY OF THE OWNER OR THE CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO ANY FURTHER WORK.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND SUPERVISION NECESSARY FOR A COMPLETE AND FUNCTIONAL PRODUCT.
- ALL WORK WHICH IS DEFECTIVE IN ITS CONSTRUCTION OR DEFICIENT IN ANY OF THE REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE REMEDIED, OR REMOVED AND REPLACED BY THE CONTRACTOR IN AN ACCEPTABLE MANNER, AND NO COMPENSATION WILL BE ALLOWED FOR SUCH CORRECTION.
- IN THE EVENT CONSTRUCTION STAKING BASED ON THE CONSULTANT'S PLANS, DRAWINGS OR OTHER DOCUMENTS IS ACCOMPLISHED BY ANYONE OTHER THAN THE CONSULTANT, THE OWNER OR CONTRACTOR SHALL NOTIFY THE BUILDING OFFICIAL IN WRITING AS TO THE CHANGE OF ENGINEER IN RESPONSIBLE CHARGE.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT; INCLUDING EROSION, SEDIMENTATION & DUST CONTROL PLAN AND STORM WATER POLLUTION PREVENTION PLAN IMPLEMENTATION AND THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- IF THE CONTRACTOR IS IN DOUBT AS TO THE MEANING OF ANY PART OF THE DRAWINGS AND SPECIFICATIONS OR FINDS DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS, HE SHALL SUBMIT A WRITTEN REQUEST FOR AN INTERPRETATION OR A CORRECTION THEREOF, PRIOR TO FILING HIS BID PRICE FOR THE PROJECT.
- PORTER & ASSOCIATES, INC. WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ANY AND ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY PORTER & ASSOCIATES, INC.

## ACCESSIBILITY NOTES

- ACCESSIBILITY NOTES ARE PROVIDED FOR REFERENCE ONLY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE CALIFORNIA BUILDING CODE AND ADA STANDARDS. THE CONTRACTOR SHALL OBTAIN THE LATEST EDITION THEREOF.
- CURB RAMPS SHALL BE 8.33% MAXIMUM GRADE.
- PERPENDICULAR CURB RAMP SIDE SLOPES SHALL NOT EXCEED 10% GRADIENT.
- SURFACE SLOPE OF RAMPS SHALL NOT EXCEED 8.33%.
- ACCESSIBLE ROUTE SLOPES SHALL NOT EXCEED 5%, UNLESS CONSTRUCTED AS A RAMP AND HANDRAILS ARE PROVIDED.
- ACCESSIBLE ROUTE CROSS SLOPES SHALL NOT EXCEED 2%.
- RAMP LANDINGS SHALL NOT EXCEED 2% MAXIMUM GRADE IN ANY DIRECTIONS.
- GRATINGS LOCATED WITHIN ACCESSIBLE ROUTES SHALL HAVE MAXIMUM 1/2" OPENINGS IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- TRANSITIONS ALONG ACCESSIBLE ROUTES SHALL BE FLUSH WITH CHANGES IN LEVEL NO GREATER THAN 1/2". CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A MINIMUM GRADIENT OF 1:2. CHANGES IN LEVEL BETWEEN 0" AND 1/4" MAY BE VERTICAL.
- EXCEPT BETWEEN SIDEWALKS AND ADJACENT STREETS OR DRIVEWAYS, ABRUPT CHANGES IN LEVEL EXCEEDING 4" ALONG A PATH OF TRAVEL SHALL BE PROTECTED BY A WARNING CURB A MINIMUM OF 6" IN HEIGHT ABOVE THE WALKWAY SURFACE. A WARNING CURB IS NOT REQUIRED WHEN A GUARD OR HANDRAIL IS PROVIDED WITH A GUIDE RAIL CENTERED 2" MINIMUM AND 4" MAXIMUM ABOVE THE WALKWAY SURFACE.
- ALL ACCESSIBLE DOORS SHALL HAVE LEVEL LANDINGS IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CURRENT EDITION.

## ASPHALT CONCRETE NOTES

- THIS SECTION COVERS THE FURNISHING OF LABOR AND EQUIPMENT FOR EXCAVATION, TRENCHING, BACKFILLING AND ALL OTHER EARTHWORK OPERATIONS REQUIRED TO COMPLETE THE INSTALLATION OF ASPHALT PAVING AS INDICATED ON THE DRAWINGS AND HEREIN SPECIFIED. ALL REFERENCES TO PROVISIONS SHALL BE TO THE CALTRANS STANDARD SPECIFICATIONS, CURRENT EDITION, UNLESS OTHERWISE NOTED.
- AGGREGATE BASE SHALL BE "CLASS 2" UNLESS OTHERWISE NOTED AND SHALL CONFORM TO THE PROVISIONS IN SECTION 26, "AGGREGATE BASES," OF THE CALTRANS STANDARD SPECIFICATIONS. AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY.
- ASPHALT CONCRETE SHALL BE "TYPE B" UNLESS OTHERWISE NOTED AND SHALL CONFORM TO THE PROVISIONS IN SECTION 39, "ASPHALT CONCRETE," OF THE CALTRANS STANDARD SPECIFICATIONS AND THE FOLLOWING SPECIAL PROVISIONS:
  - ASPHALT CONCRETE SHALL HAVE A BITUMINOUS BINDER. THE BINDER SHALL BE PG 64-10 PERFORMANCE GRADED ASPHALT AND SHALL CONFORM TO THE REQUIREMENTS OF THE TABLE FOR PERFORMANCE GRADED ASPHALT BINDER IN SECTION 92-1.02(B), "GRADES" OF THE STANDARD SPECIFICATIONS.
  - THE AMOUNT OF BITUMINOUS BINDER TO BE MIXED WITH THE MINERAL AGGREGATE SHALL BE BETWEEN FOUR PERCENT (4%) AND SIX PERCENT (6%) BY WEIGHT OF DRY MINERAL AGGREGATE. THE EXACT AMOUNT OF BITUMINOUS BINDER TO BE MIXED WITH THE MINERAL AGGREGATE WILL BE DETERMINED BY THE ENGINEER.
  - ASPHALT CONCRETE SURFACING SHALL BE CONSTRUCTED IN ACCORDANCE WITH REQUIREMENTS OF SECTION 39. A PRIME COAT SHALL NOT BE APPLIED TO THE BASE PRIOR TO PLACING ASPHALT CONCRETE SURFACING.
  - ASPHALT CONCRETE SHALL BE COMPACTED TO 92-94% OF THE MAXIMUM THEORETICAL DENSITY AS DETERMINED BY ASTM D-2041. IN-PLACE DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH CALIFORNIA TEST 375.
  - AT CONNECTIONS TO EXISTING AC SURFACES, THE EXISTING SURFACE SHALL BE SAWCUT AND REMOVED TO A NEAT LINE BEFORE THE PAVING OR AS DIRECTED BY THE ENGINEER.
  - THE MIXTURE SHALL BE APPLIED AT A MINIMUM TEMPERATURE OF 225°F. SPREADING SHALL BE PERFORMED BY SELF-PROPELLED ASPHALT PAVERS THAT PRODUCE AN ASPHALT CONCRETE SURFACING OF UNIFORM SMOOTHNESS AND TEXTURE.
  - ALL SPILLAGE OF ASPHALT CONCRETE OUTSIDE OF THE DESIGNATED PAVING AREA SHALL BE PROMPTLY SWEEPED UP AND REMOVED.
  - FOG SEAL SHALL BE APPLIED TO ALL NEWLY PAVED SURFACES WITHIN TWO WEEKS AFTER THE PAVING IS PLACED. FOG SEAL SHALL BE APPLIED IN ACCORDANCE WITH SECTION 37-1.
  - FINISHING ROADWAY SHALL CONFORM TO THE PROVISIONS OF SECTION 22.
  - ALL ASPHALT CONCRETE SHALL BE CONSTRUCTED TO THE TOLERANCES ALLOWED IN SECTION 39-6.03 AS MODIFIED BY THESE PLANS. A.C. AND BASE THICKNESS SHOWN ON THESE PLANS ARE MINIMUMS AND LESSER THICKNESS WILL NOT BE ALLOWED.
- A TINTED PRE-EMERGENT HERBICIDE SHALL BE APPLIED OVER NATURAL GROUND IN ALL ASPAVED PARKING LOT AREAS AND DRIVE AISLES PRIOR TO PLACING ANY BASE OR PAVING. APPLY IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. NO WEED CONTROL CHEMICAL IS TO BE APPLIED TO AREAS DESIGNATED FOR PLANTING.

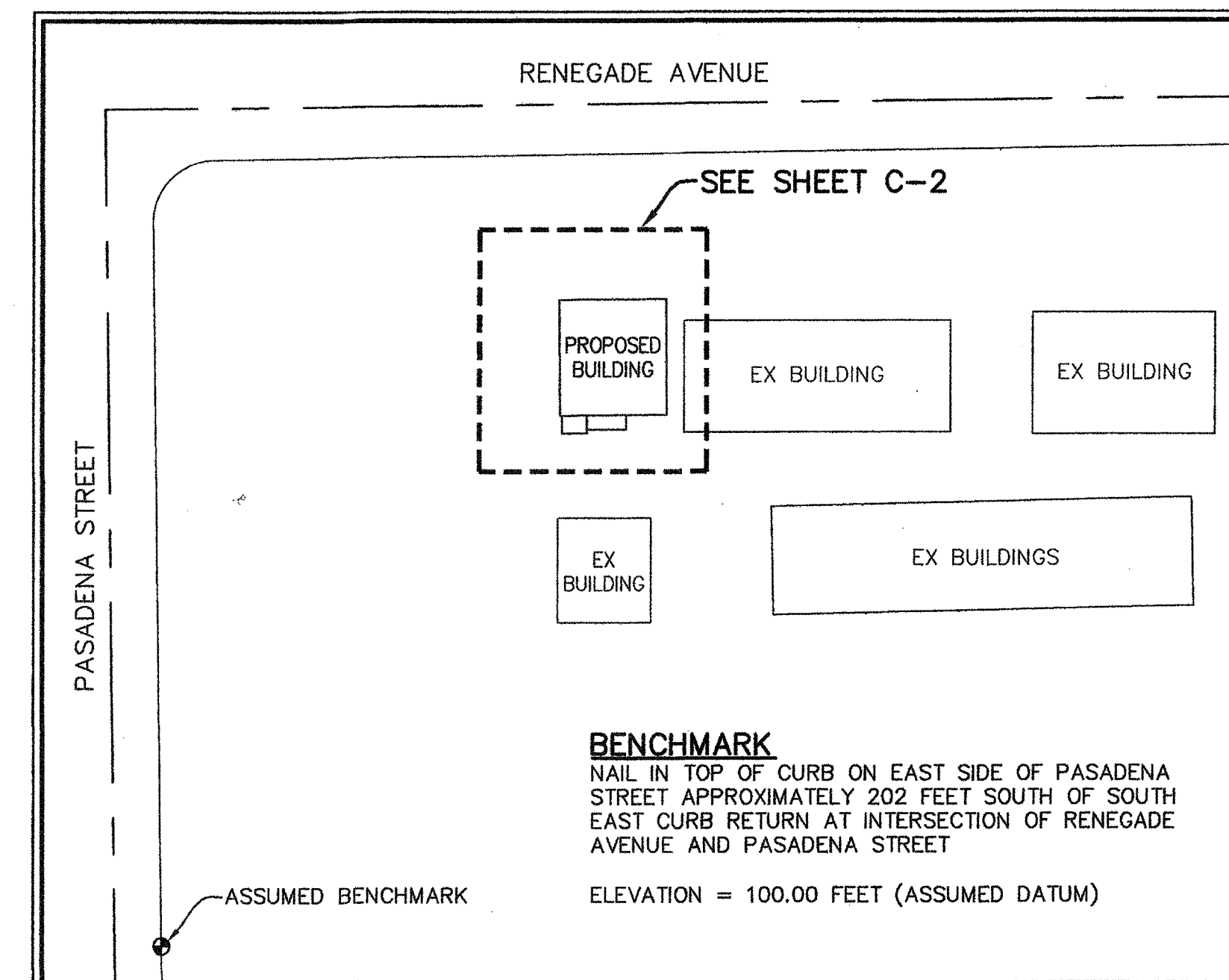
## CONCRETE SPECIFICATIONS

- CONCRETE SHALL CONTAIN 505 POUNDS OF CEMENTITIOUS MATERIAL UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER.
- CONCRETE SHALL CONFORM TO SECTION 90 OF CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED MAY 2010.
- CEMENT SHALL BE IN CONFORMANCE WITH ASTM C150, TYPE 2 AND SHALL BE ENTIRELY FROM ONE MANUFACTURER.
- ALL AGGREGATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C33.
- ALL WATER FOR CONCRETE SHALL BE CLEAN AND FREE FROM DETRIMENTAL AMOUNTS OF ACID, ALKALI AND ORGANIC MATTER AND SHALL BE FROM A DOMESTIC WATER SUPPLY.
- CONCRETE SHALL BE CURED AS SPECIFIED IN SECTION 90-1.03 OF CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED MAY 2010.
- CONTROL JOINTS IN SIDEWALK SHALL BE SPACED NO MORE THAN 8' ON CENTER AND NO MORE THAN 15' ON CENTER FOR OTHER FLAT WORK.
- CONTROL JOINTS IN CURBS, CURB & GUTTER, AND "V" GUTTER SHALL BE SPACED @ 15' O.C. MAX.
- COMPACT SUBGRADE UNDER ALL CONCRETE CURBS, FLATWORK, ETC. TO A MINIMUM DEPTH OF 6" TO 90% MAXIMUM DENSITY. CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS PREPARED BY A CERTIFIED LAB TO THE OWNER & CORRECT FAILURES AT CONTRACTOR'S EXPENSE.

## ABBREVIATIONS

TYPICAL ALL SHEETS UNLESS SUPERSEDED BY SHEET DEFINITION

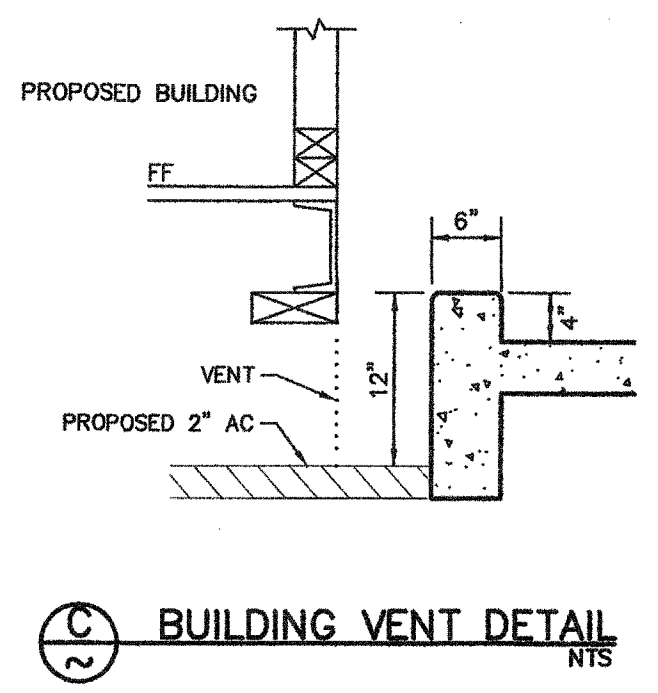
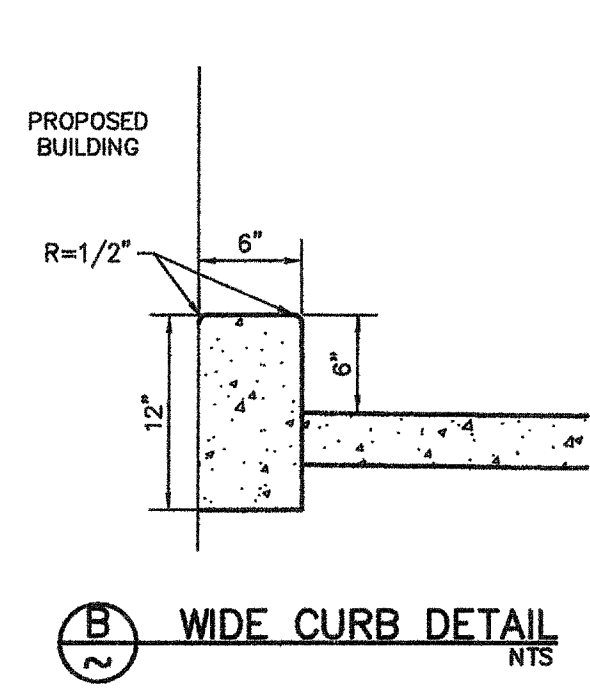
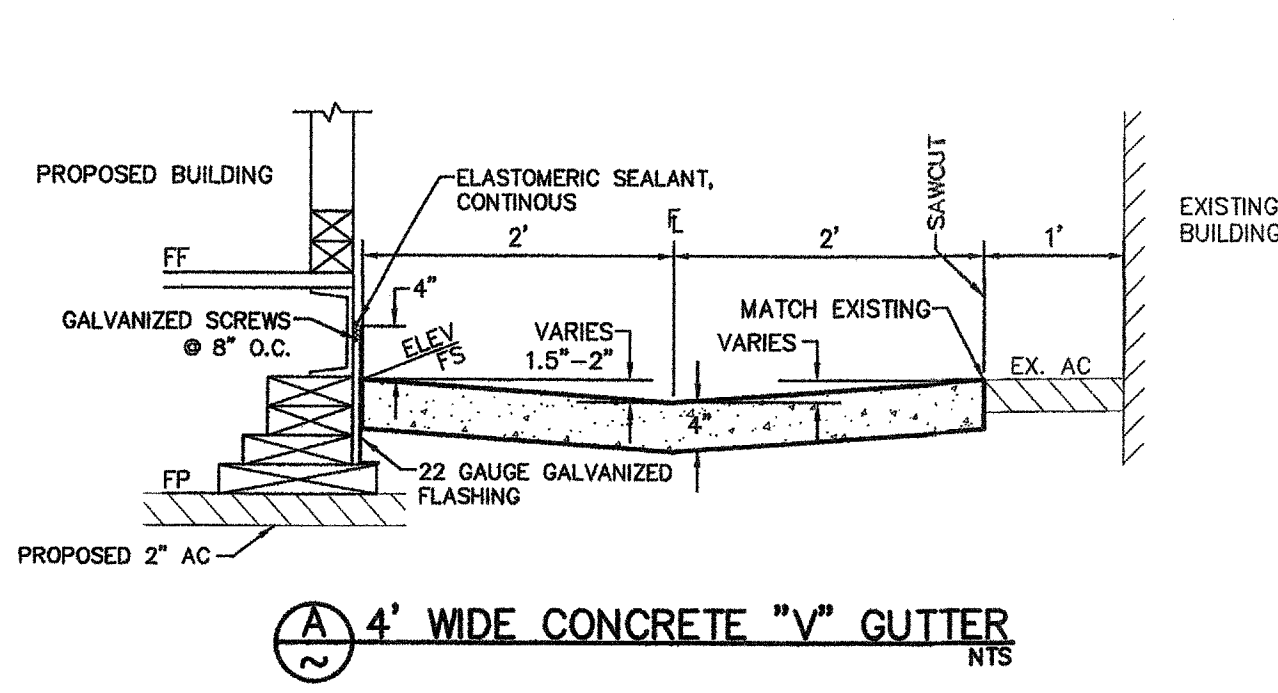
EX	EXISTING
FG	FINISHED GROUND
FS	FINISHED SURFACE
FP	FINISHED PAD
FF	FINISHED FLOOR
NG or OG	NATURAL/ORIGINAL GROUND
EP	EDGE OF ASPHALT CONCRETE PAVEMENT
AC	TOP OF ASPHALT CONCRETE PAVEMENT
AB	AGGREGATE BASE
ASB	AGGREGATE SUB-BASE
CL	CENTERLINE
FL	FLOWLINE
GB	GRADE BREAK
TOC	TOP OF CONCRETE
CONC	CONCRETE
TC	TOP OF CURB
~	ON THIS SHEET
MAX	MAXIMUM
MIN	MINIMUM
TYP	TYPICAL
EL or ELEV	ELEVATION
R	RADIUS
L	LENGTH
SF	SQUARE FEET
LF	LINEAR FEET
EA	EACH
CY	CUBIC YARDS
SD	STORM DRAIN
CB	CATCH BASIN
SWR	SANITARY SEWER
MH	MANHOLE
WTR	WATER
G	GAS
REQ'D	REQUIRED



KEY MAP  
NO SCALE

PRIME CONSULTANT	ARCHITECTURE PLANNING		
IBI	San Luis Obispo 4119 Broad Street, Suite 210 San Luis Obispo, CA 93401 805.546.0433 fax:805.546.0504		
SEAL			
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CONSULTANT			
PORTER & ASSOCIATES, INC. ENGINEERING & SURVEYING 1200 21st Street, Bakersfield, California 93301 661.327.0362 FAX 661.327.1065			
AGENCY INFORMATION:			
AGENCY TRACKING NO. 83321-155 FILE NO. 15-6			
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 93-117001 AC 11 FL 11 11 11 DATE 4/20/16			
BAKERSFIELD CITY SCHOOL DISTRICT			
COLONEL NICHOLS ELEMENTARY SCHOOL 30'X32' RELOCATABLE 3401 RENEGADE AVENUE BAKERSFIELD, CA 93306			
OPSC or OSHPD PROJ. NO:			
PROJECT NO:	15178.000		
DRAWN BY:	Author		
CHKD BY:	Checker		
ISSUE DATE:	04/20/16		
SHEET TITLE			
TITLE SHEET			
SHEET NUMBER			
C-1			





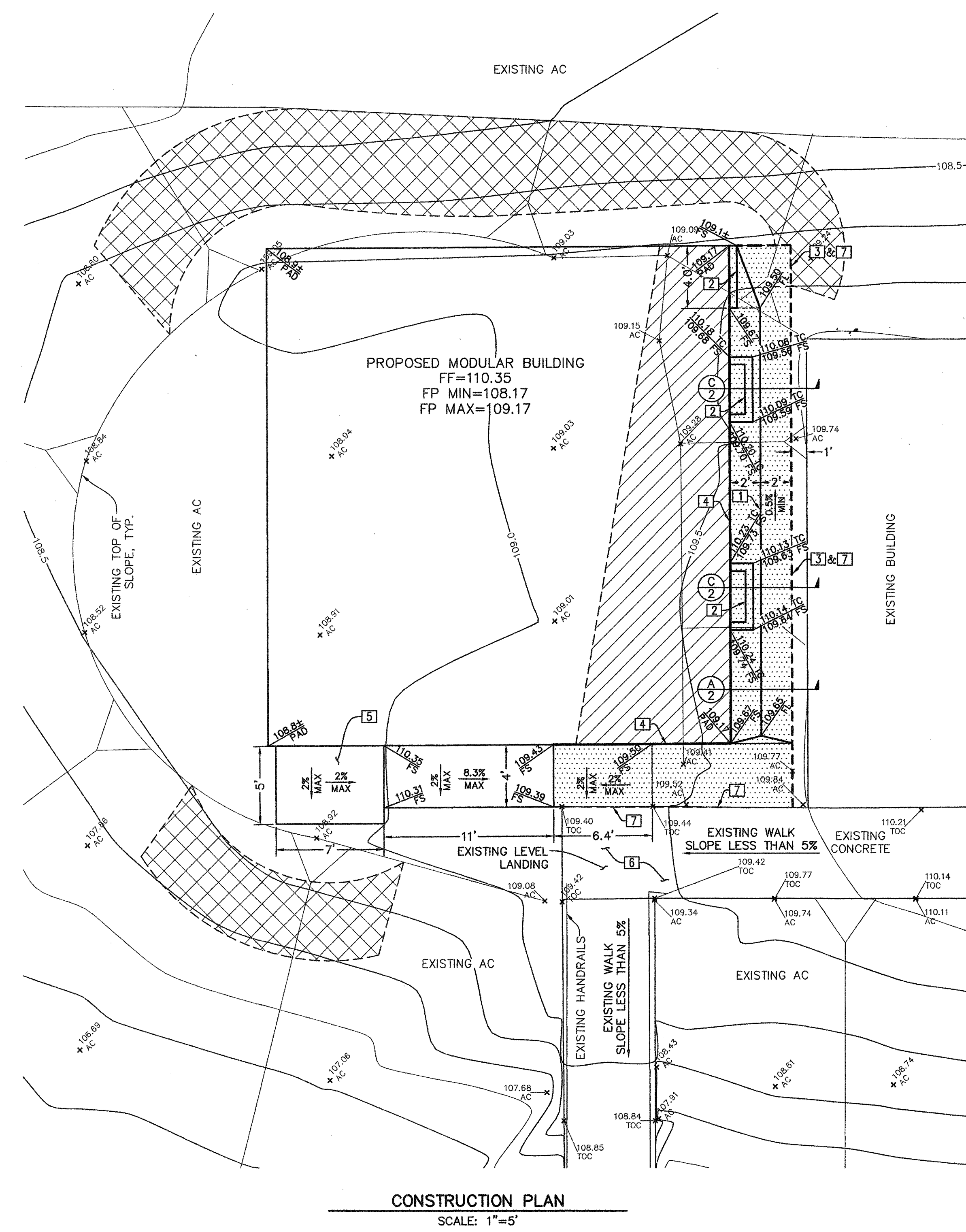
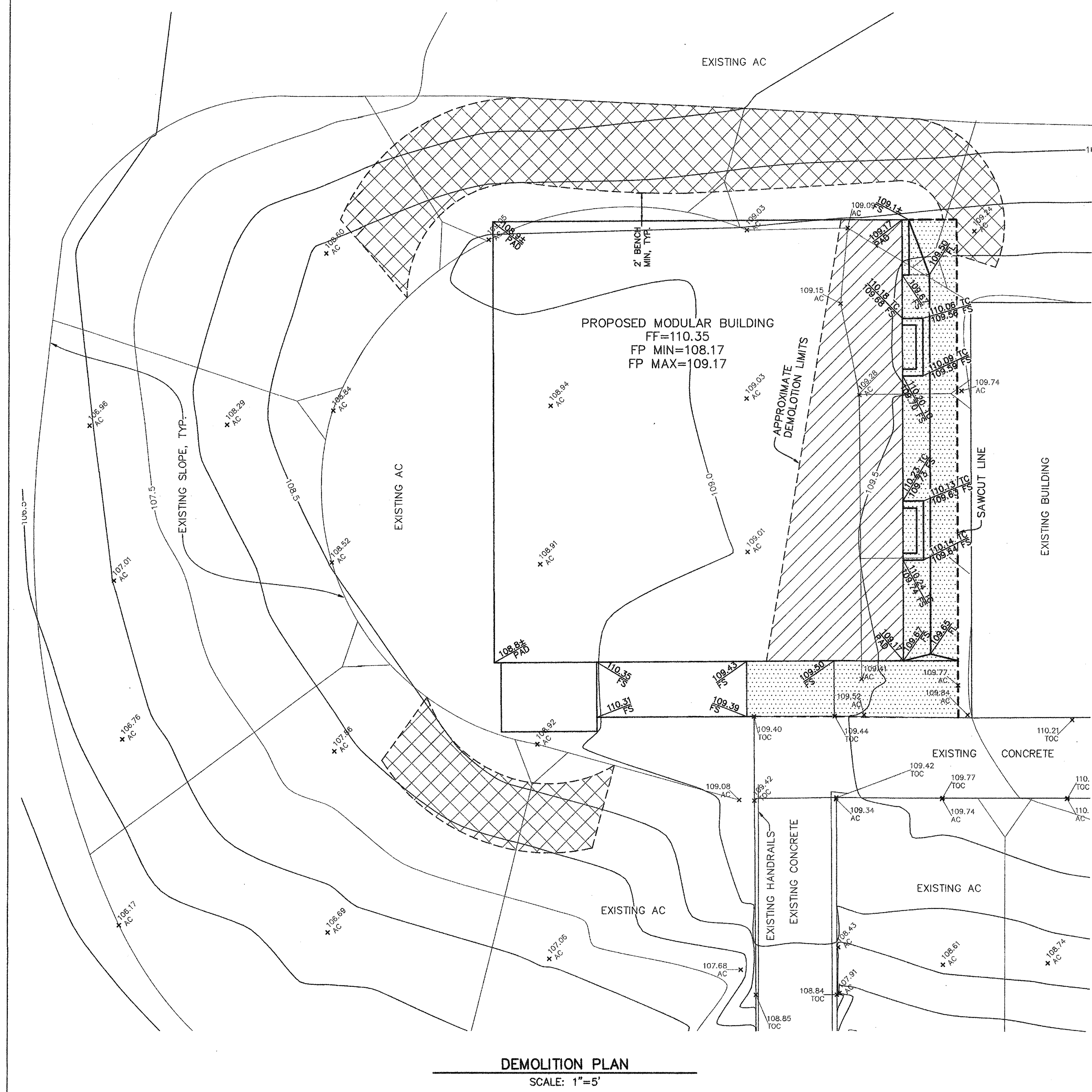
- LEGEND**
- SAWCUT LINE
  - DESIGN GRADE
  - DESIGN SLOPE
  - ± MATCH EXISTING ELEVATION

- DEMOLITION NOTES**
- 1. REMOVE EXISTING AC AND REPLACE WITH 2" AC. GRADE TO AN ELEVATION OF 109.17.
  - 2. GRIND AC AND FEATHER PATCH WITH 4:1 MAX SLOPE.
  - 3. DEMOLISH EXISTING AC AND REPLACE WITH 4" THICK CONCRETE TO GRADES SHOWN ON CONSTRUCTION PLAN.

- CONSTRUCTION NOTES**
- 1. CONSTRUCT 4' WIDE V-GUTTER PER DETAIL (A).
  - 2. CONSTRUCT 6" CURB PER DETAIL (B).
  - 3. SAWCUT TO NEAT, CLEAN VERTICAL FACE.
  - 4. INSTALL GALVANIZED FLASHING AS PER DETAIL (A).
  - 5. SEE MODULAR BUILDING PLAN FOR RAMP AND LANDING DETAILS.
  - 6. EXISTING CONCRETE TO REMAIN, PROTECT IN PLACE.
  - 7. MATCH EXISTING ELEVATION.

NOTES: 1. WARP CONCRETE TO CALIFORNIA PUBLIC ACCESSIBILITY STANDARDS TO MATCH FINISHED FLOOR AT ALL BUILDING ACCESS OPENINGS.

CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLES, CLEANOUTS, JUNCTION BOXES, VALVE COVERS, MONUMENT ENCASUREMENTS, ETC. TO FINISHED GRADE PER CITY STANDARDS. CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING UTILITIES WITH UTILITY OWNER. CONTRACTOR SHALL OBTAIN CITY STREET PERMIT FOR ALL WORK WITHIN CITY RIGHT-OF-WAY AND EASEMENTS.



PRIME CONSULTANT

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San Luis Obispo, CA 93401  
805.546.0433 fax:805.546.0504

SEAL

**IBI** ARCHITECTURE PLANNING  
No. C18079  
REN. 10/15  
STATE OF CALIFORNIA

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REVISIONS

NO.	DATE	APPRD.	DESCRIPTION

CONSULTANT

**PORTER & ASSOCIATES, INC.**  
ENGINEERING & SURVEYING  
1200 21st Street, Bakersfield, California 93301  
661.327.0362 FAX 661.327.1065

AGENCY INFORMATION:

AGENCY TRACKING NO. 63321-155  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-117001  
AC. FLS. 15-68 PCL  
DATE 4/20/16

**BAKERSFIELD CITY SCHOOL DISTRICT**

**COLONEL NICHOLS ELEMENTARY SCHOOL**  
**30'X32' RELOCATABLE**  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:

PROJECT NO: 15178.000

DRAWN BY: Author

CHK'D BY: Checker

ISSUE DATE: 04/20/16

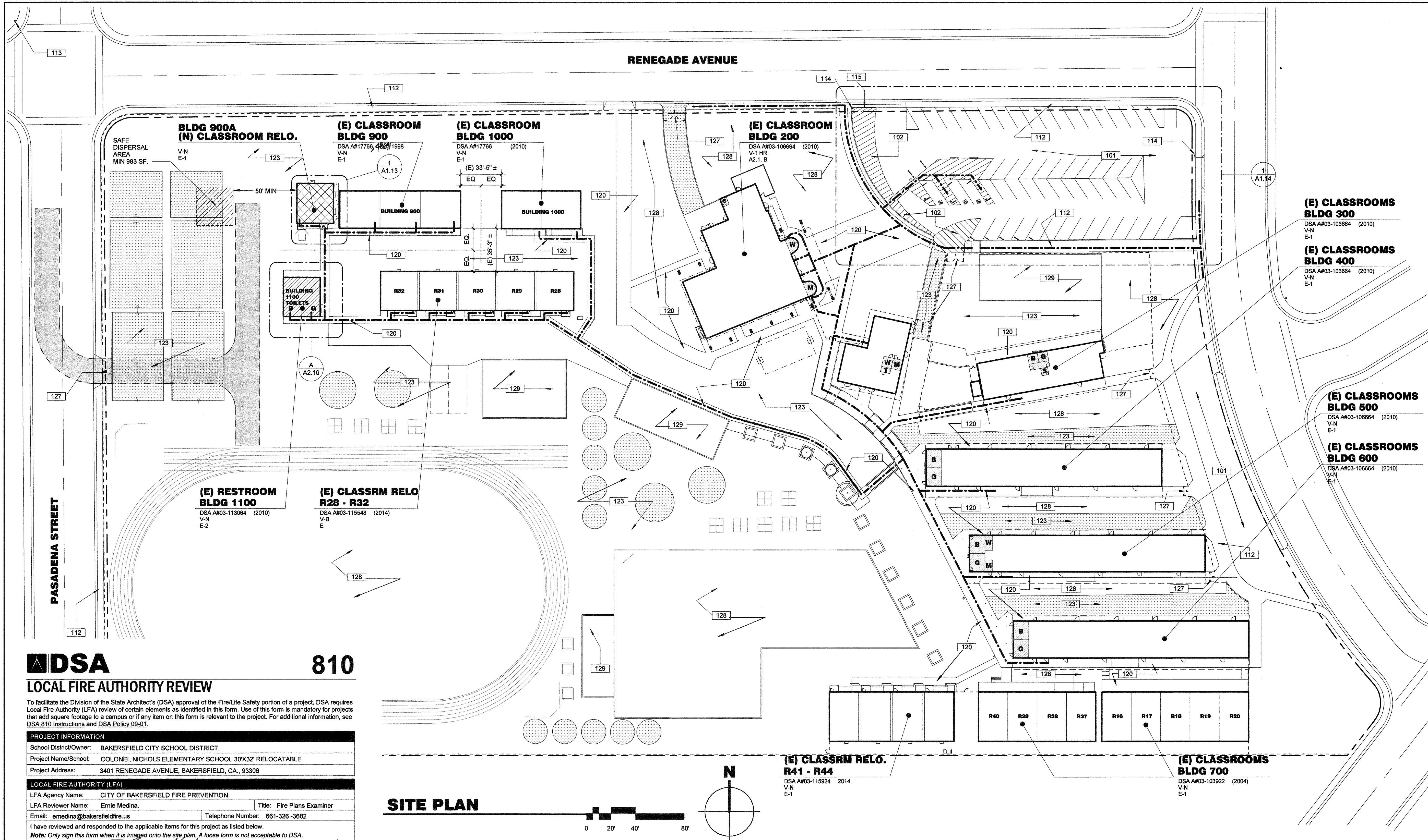
SHEET TITLE

**DEMO & CONSTRUCTION PLAN**

SHEET NUMBER

**C-2**



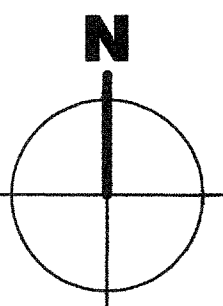


## LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA Policy 08-01.

<b>PROJECT INFORMATION</b>																																																																					
School District/Owner: BAKERSFIELD CITY SCHOOL DISTRICT.																																																																					
Project Name/School: COLONEL NICHOLS ELEMENTARY SCHOOL 30'X32' RELOCATABLE																																																																					
Project Address: 3401 RENEGADE AVENUE, BAKERSFIELD, CA, 93306																																																																					
<b>LOCAL FIRE AUTHORITY (LFA)</b>																																																																					
LFA Agency Name: CITY OF BAKERSFIELD FIRE PREVENTION.																																																																					
LFA Reviewer Name: Ernie Medina. Title: Fire Plans Examiner																																																																					
Email: emedina@bakfieldfire.us Telephone Number: 661-326-3682																																																																					
I have reviewed and responded to the applicable items for this project as listed below.																																																																					
Note: Only sign this form when it is stamped onto the site plan. A loose form is not acceptable to DSA.																																																																					
LFA Reviewer's Signature: <i>Ernie Medina</i> Date: 1/25/16																																																																					
Review Key: "Y" = Complies with LFA requirements "N" = Not approved (complete Section 8) "NA" = Not applicable to the project "NR" = LFA elects not to review																																																																					
<table><thead><tr><th>Description</th><th>Y</th><th>N</th><th>NA</th><th>NR</th></tr></thead><tbody><tr><td>1 Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.</td><td></td><td></td><td>X</td><td></td></tr><tr><td>2 Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.</td><td>X</td><td></td><td></td><td></td></tr><tr><td>3 Fire hydrant location and distribution complies with the California Fire Code (or see # 4).</td><td>X</td><td></td><td></td><td></td></tr><tr><td>4 Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.</td><td></td><td></td><td></td><td>X</td></tr><tr><td colspan="5">Signature of School District Official: _____ Date: _____</td></tr><tr><td colspan="5">Print the School District Official's Name: _____</td></tr><tr><td>5 The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.</td><td></td><td></td><td></td><td>X</td></tr><tr><td>6 The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.</td><td></td><td></td><td></td><td>X</td></tr><tr><td>7 Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.)</td><td></td><td></td><td></td><td></td></tr><tr><td>Check type if "Yes": <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/> WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)</td><td></td><td></td><td></td><td></td></tr><tr><td colspan="5">COMMENTS (note deficiencies):</td></tr><tr><td colspan="5">8</td></tr></tbody></table>					Description	Y	N	NA	NR	1 Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.			X		2 Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.	X				3 Fire hydrant location and distribution complies with the California Fire Code (or see # 4).	X				4 Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.				X	Signature of School District Official: _____ Date: _____					Print the School District Official's Name: _____					5 The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.				X	6 The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.				X	7 Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.)					Check type if "Yes": <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/> WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)					COMMENTS (note deficiencies):					8				
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## SITE PLAN



## 100 - KEYNOTES

NOTE: ALL KEYNOTES MAY NOT NECESSARILY OCCUR ON THIS SHEET.

- 101 (E) AC PAVED PARKING TO REMAIN.
- 102 (E) FIRE AREA RED STRIPPING TO REMAIN.
- 112 (E) SIDEWALK TO REMAIN.
- 113 (E) FIRE HYDRANT.
- 114 (E) PARKING LOT SIGNAGE SEE DETAIL 5/A1.14.
- 115 (E) AUTOMOTIVE ENTRY BARRIER GATE, TO REMAIN.
- 120 (E) CONCRETE WALK TO REMAIN.
- 123 (E) AC PAVEMENT.
- 127 (E) 20' WIDE CHAIN LINK ACCESS GATE TO REMAIN.
- 128 (E) TURF TO REMAIN.
- 129 (E) PLAY AREA TO REMAIN.

## LEGEND

NOTE: ITEMS IN THIS LIST MAY NOT NECESSARILY OCCUR ON THIS SHEET

RELOCATABLE CLASSROOM BUILDINGS TO BE CONSTRUCTED AS PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.

EXISTING BUILDING AND/OR PORTABLES NOT A PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.

EXISTING ACCESSIBLE STUDENT OR STAFF RESTROOM PER DSA APPLICATION INDICATED ON PLANS (S=STAFF, M=MEN, W=WOMEN, B=BOYS, G=GIRLS, K=KINDERGARTEN)

INDICATES A.C. PAVING

INDICATES PARKING STRIPPING, SEE ENLARGED PLAN

FIRE DEPARTMENT ACCESS, 12'-0" MIN - 20'-0" MAX.

PROPERTY LINE

ASSUMED PROPERTY LINE

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH DOOR REQUIREMENTS PER CBC SECTION 11B-404.

INDICATES CHAIN LINK FENCE

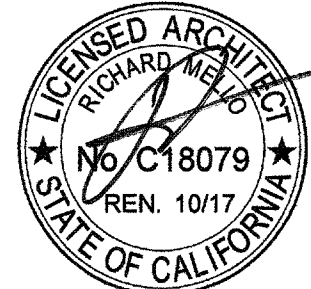
ACCESSIBLE BUILDING ENTRANCE

PRIME CONSULTANT

ARCHITECTURE PLANNING

**IBI** San Luis Obispo  
4119 Broad Street, Suite 210  
San Luis Obispo, CA 93401  
805.546.0433 fax:805.546.0504

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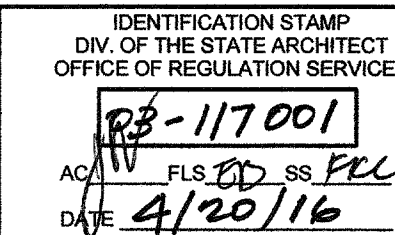
REVISIONS

NO.	DATE	APPRD.	DESCRIPTION
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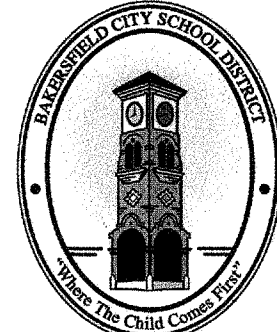
CONSULTANT

AGENCY INFORMATION:

AGENCY TRACKING NO. 93321-XXXX  
FILE NO. 15-6



BAKERSFIELD CITY SCHOOL DISTRICT



**COLONEL NICHOLS  
ELEMENTARY SCHOOL  
30'X32' RELOCATABLE**  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

PROJECT NO: 15178.000

DRAWN BY: rRr

CHKD BY: RM

ISSUE DATE: 01/01/16

SHEET TITLE

**SITE PLAN - LOCAL  
FIRE AUTHORITY  
REVIEW**

SHEET NUMBER

**A1.10**



**NOTES TO USERS**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources or small dams. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only to landward of 0.0 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA NIMS 12  
National Geodetic Survey  
SSMC-3, #9022  
1315 East-West Highway  
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (202) 713-2445 or visit its website at <http://www.ngs.noaa.gov/>.

Base map information shown on this FIRM was derived from USDA - Farm Service Agency - Aerial Photography Field Office dated 2008 and from U.S. Geological Survey Digital Orthophoto Quadrangles produced at a scale of 1:12,000 from photography dated 1992 or later.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels, community map repository addresses, and a listing of communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Service Center at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://www.fema.gov/>.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-368-2627) or visit the FEMA website at <http://www.fema.gov/>.



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AV, VE, and V. The base flood elevation is the water-surface elevation of the 1% annual chance flood.

**ZONE A** No Base Flood Elevations determined.

**ZONE AE** Base Flood Elevations determined.

**ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

**ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of elevated fan flooding, velocities also determined.

**ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decommissioned. Zone AR indicates that the former flood control system is being retained to provide protection from the 1% annual chance or greater flood.

**ZONE AV** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

**ZONE VE** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

**ZONE V** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

**FLOODWAY AREAS IN ZONE AE**

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

**OTHER FLOOD AREAS**

**ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

**OTHER AREAS**

**ZONE D** Areas determined to be outside the 0.2% annual chance floodplain.

**ZONE D** Areas in which flood hazards are undetermined, but possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**

**OTHERWISE PROTECTED AREAS (OPA)**

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary defining Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Base Flood Elevation line and value: elevation in feet\*

Base Flood Elevation values where uniform within zone; elevation in feet

\* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

Cross section line

Traverse line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

1000-meter Universal Transverse Mercator grid ticks, zone 11

5000-foot grid ticks: California State Plane coordinate system, V zone (FIPSZONE 9405), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel)

DX510 X

M1.5

MAP REPOSITORIES

Refer to Map Repository list on Map Index

EFFECTIVE DATE OF COUNTRYWIDE FLOOD INSURANCE RATE MAP

September 26, 2008

EFFECTIVE DATES OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-0620.

MAP SCALE 1" = 1000'

500 0 1000 2000 FEET

500 0 1000 2000 METERS

**PANEL 1840E**

**FIRM**

**FLOOD INSURANCE RATE MAP**

**KERN COUNTY, CALIFORNIA**

**AND INCORPORATED AREAS**

**PANEL 1840 OF 4125**

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

**CONTAINS:**

COMMUNITY NUMBER PANEL SUFFIX

KERN COUNTY 060075 1840 E

BAKERSFIELD, CITY OF

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER**

**06029C1840E**

**EFFECTIVE DATE**

**SEPTEMBER 26, 2008**

**Federal Emergency Management Agency**

PRIME CONSULTANT

ARCHITECTURE PLANNING

**IBI**

San Luis Obispo  
4119 Broad Street, Suite 210  
San Luis Obispo, CA 93401  
805.546.0433 fax:805.546.0504

SEAL

**ARCHITECT**

**RICHARD**

**NO. C18079**

**REN. 10/17**

**STATE OF CALIFORNIA**

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**REVISIONS**

NO.	DATE	APPRD.	DESCRIPTION
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**CONSULTANT**

**AGENCY INFORMATION:**

AGENCY TRACKING NO. \_\_\_\_\_

FILE NO. 15-6

**IDENTIFICATION STAMP**

**DIV. OF THE STATE ARCHITECT**

**OFFICE OF REGULATION SERVICES**

**03-111001**

AC **FLS** **EB** **SS** **FL**

DATE **4/26/16**

**BAKERSFIELD CITY SCHOOL DISTRICT**

**COLONEL NICHOLS ELEMENTARY SCHOOL**

**30'X32' RELOCATABLE**

**3401 RENEGADE AVENUE**

**BAKERSFIELD, CA 93306**

**PROJECT NO:** 15178.000

**DRAWN BY:** Author

**CHK'D BY:** RM

**ISSUE DATE:** 04/20/16

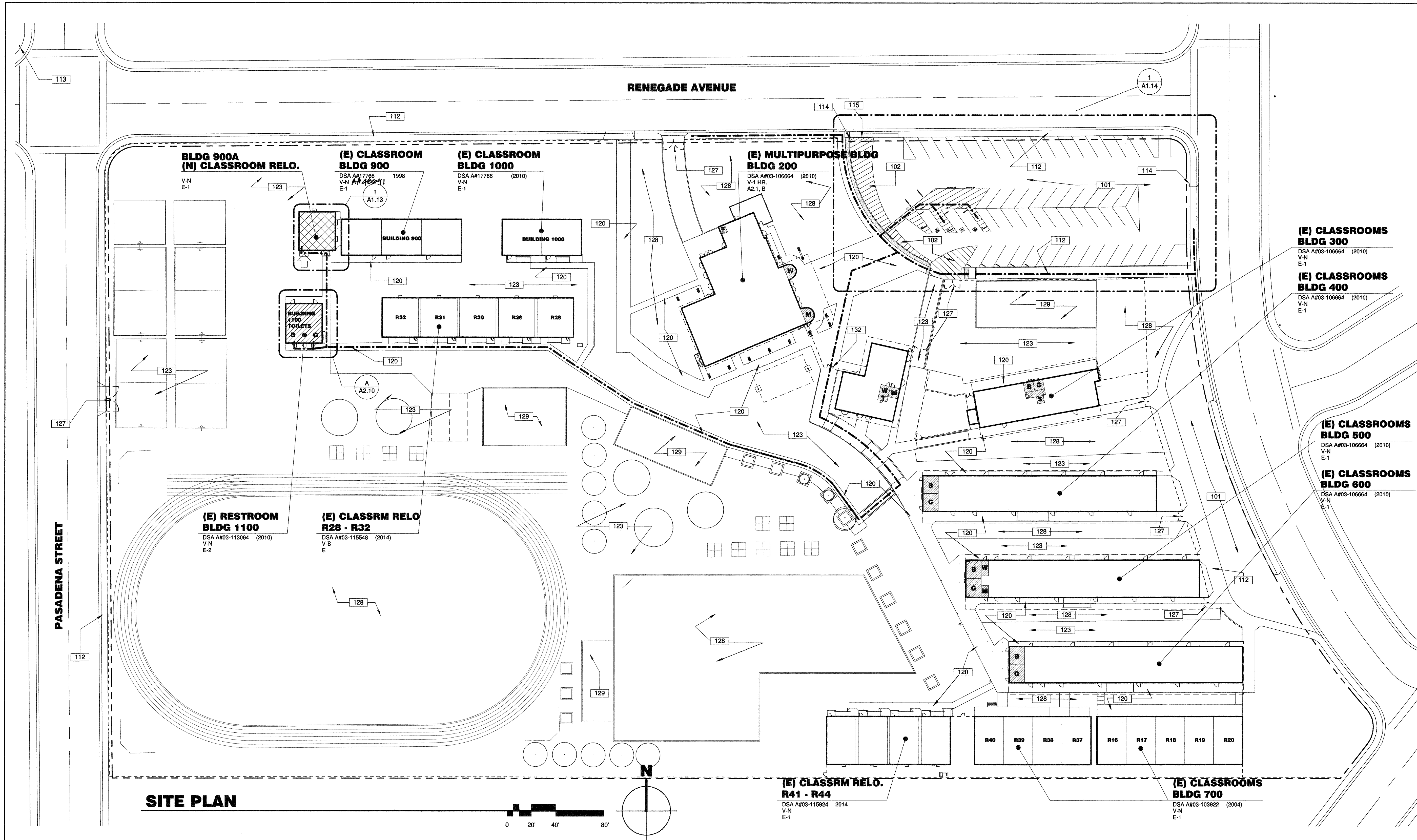
**SHEET TITLE**

**SITE PLAN - FLOOD ZONE MAP**

**SHEET NUMBER**

**A1.11**





SITE PLAN

PRIME CONSULTANT

IBI

ARCHITECTURE PLANNING

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4119 Broad Street, Suite 210  
San Luis Obispo, CA 93401  
805.546.0433 fax:805.546.0504

SEAL

LICENSED ARCHITECT

RICHARD M. BROWN

No. 218079

REN. 10/17

STATE OF CALIFORNIA

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CONSULTANT

AGENCY INFORMATION:

AGENCY TRACKING NO. 63321-155  
FILE NO. 15-6

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

OFFICE OF REGULATION SERVICES

23-117001

AC. W. FLS. 07/25/16

DATE 4/20/16

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD CITY SCHOOL DISTRICT

SEAL OF THE DISTRICT

COLONEL NICHOLS ELEMENTARY SCHOOL

30'X32' RELOCATABLE

3401 RENEGADE AVENUE

BAKERSFIELD, CA 93306

PROJECT NO:

15178.000

DRAWN BY:

CC

CHK'D BY:

RM

ISSUE DATE:

04/20/16

SHEET TITLE

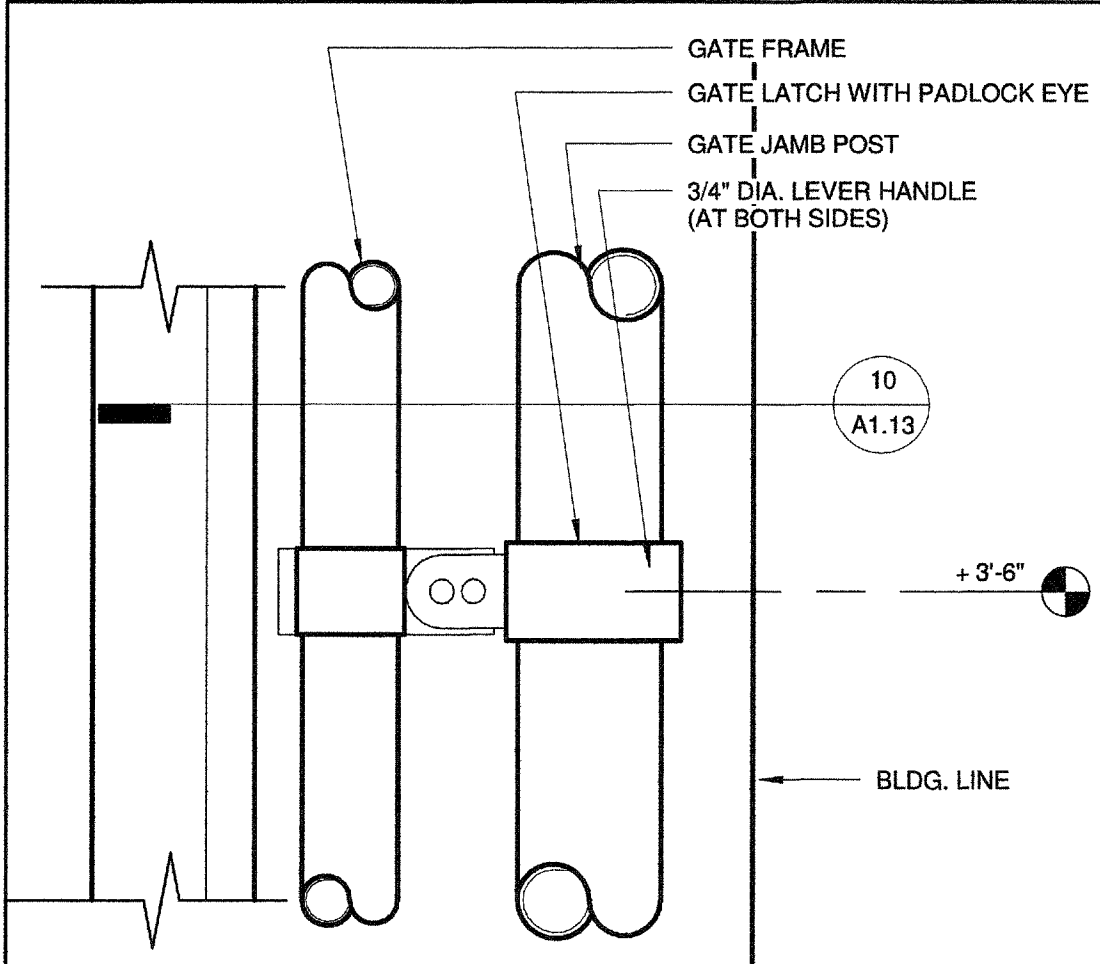
SITE PLAN

SHEET NUMBER

A1.12

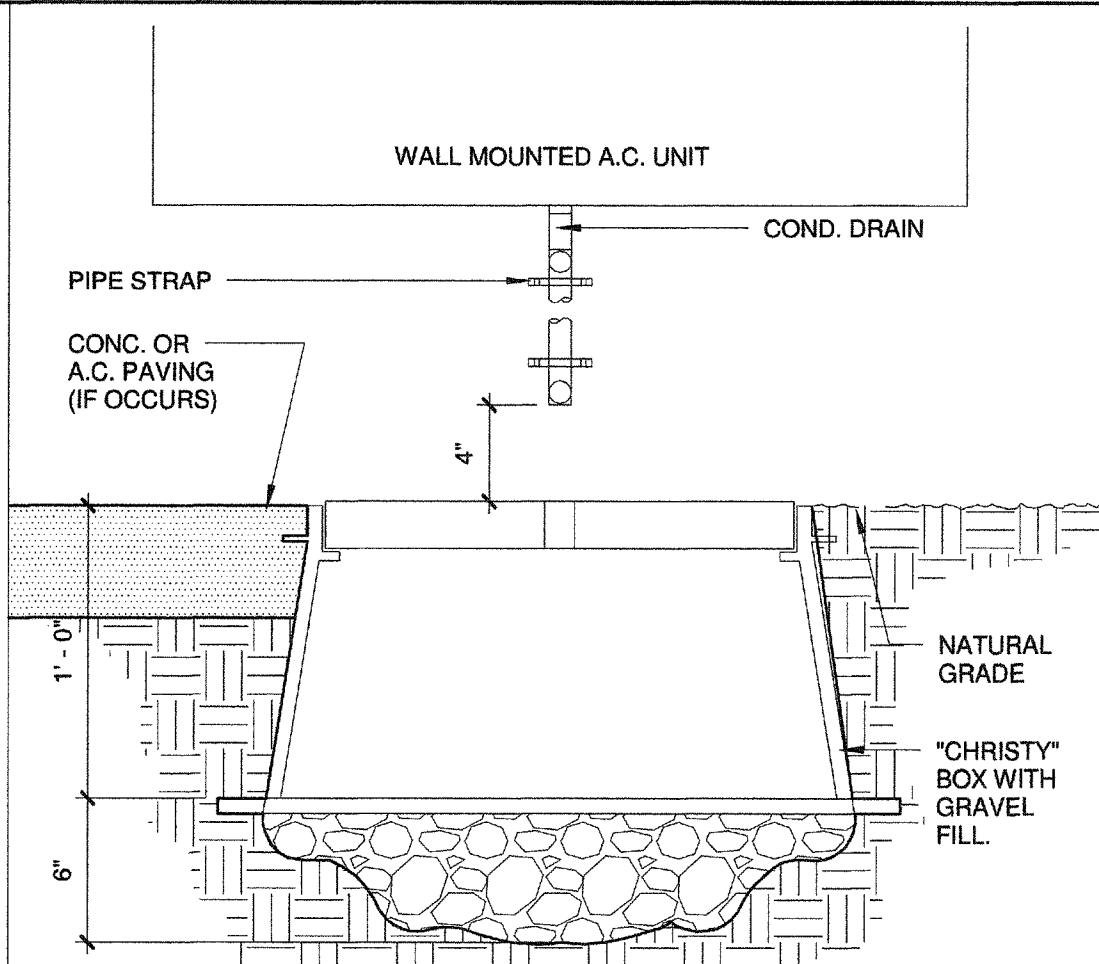
BUILDING DATA	100-GENERAL NOTES	100 - KEYNOTES	LEGEND																								
<p>AREA CALCULATIONS ARE ACCORDING TO CBC SECTION 207(k) AND ARE FOR THE CONVENIENCE OF DSA PLANCHCKERS ONLY. AREAS ARE NOT TO BE USED FOR ESTIMATING PURPOSES BY THE CONTRACTOR. THESE AREAS WILL NOT MATCH AREAS CALCULATED IN ACCORDANCE WITH STATE ALLOCATION BOARD REGULATIONS SECTION 1865.3.3.</p> <p>OCCUPANCY: E CLIMATE ZONE: 13 TYPE OF CONSTRUCTION: V-B ALLOWABLE BUILDING AREA: 9,500 S.F.</p> <p>ACTUAL BUILDING AREA: (E) BUILDING 900 + (N) 30X32 PORTABLE 2,970 S.F. + 960 S.F. = 3,930 S.F. 3,930 S.F. &lt; 9,500 S.F. OK</p> <p>COULDN'T LOAD IS 48 PERSONS AT A RATE OF 20 SF/PERSON.</p>	<ol style="list-style-type: none"><li>THESE DRAWINGS INDICATE THE APPROXIMATE EXTENT OF DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF DEMOLITION REQUIRED TO INSTALL IMPROVEMENTS INDICATED ON THE CONSTRUCTION DOCUMENTS.</li><li>ALL MATERIAL INDICATED TO BE REMOVED IS TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER, UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.</li><li>PRIOR TO ANY UNDERGROUND SITE WORK, VERIFY LOCATION OF ALL EXISTING UTILITIES WITH UNDERGROUND SERVICE ALERT (U.S.A.)</li><li>CONTRACTOR SHALL REPLACE IN KIND ANY EXISTING IMPROVEMENTS DAMAGED BY DEMOLITION OR CONSTRUCTION ACTIVITIES.</li><li>REFER TO CIVIL DRAWINGS FOR EXTENT OF PAVEMENT REMOVAL UNDER NEW PORTABLE UNIT.</li></ol>	<p>101 (E) AC PAVED PARKING TO REMAIN. 102 (E) FIRE AREA RED STRIPING TO REMAIN. 112 (E) SIDEWALK TO REMAIN. 113 (E) FIRE HYDRANT. 114 (E) PARKING LOT TOW SIGNAGE TO REMAIN, SEE DETAIL 9/A10.14. 115 (E) AUTOMOTIVE ENTRY BARRIER GATE, TO REMAIN. 120 (E) CONCRETE WALK TO REMAIN. 123 (E) AC PAVEMENT. 127 (E) 20' WIDE CHAIN LINK ACCESS GATE TO REMAIN. 128 (E) TURF TO REMAIN. 129 (E) PLAY AREA TO REMAIN. 132 (E) ORNAMENTAL GATE TO REMAIN, PROVIDE ACCESSIBLE GATE UPGRADES PER DETAIL 6/A10.10.</p>	<p>NOTE: ITEMS IN THIS LIST MAY NOT NECESSARILY OCCUR ON THIS SHEET</p> <table><tbody><tr><td></td><td>RELOCATABLE CLASSROOM BUILDINGS TO BE CONSTRUCTED AS PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.</td><td></td><td>FIRE DEPARTMENT ACCESS, 12'-0" MIN - 20'-0" MAX.</td></tr><tr><td></td><td>EXISTING BUILDING AND/OR PORTABLES NOT A PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.</td><td></td><td>PROPERTY LINE</td></tr><tr><td></td><td>EXISTING ACCESSIBLE STUDENT OR STAFF RESTROOM PER DSA APPLICATION INDICATED ON PLANS (S=STAFF, M=MEN, W=WOMEN, B=BOYS, G=GIRLS, K=KINDERGARTEN)</td><td></td><td>ASSUMED PROPERTY LINE</td></tr><tr><td></td><td>INDICATES A.C. PAVING</td><td></td><td>ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH DOOR REQUIREMENTS PER CBC SECTION 11B-404.</td></tr><tr><td></td><td>INDICATES PARKING STRIPPING, SEE ENLARGED PLAN</td><td></td><td>INDICATES CHAIN LINK FENCE</td></tr><tr><td></td><td></td><td></td><td>ACCESSIBLE BUILDING ENTRANCE</td></tr></tbody></table>		RELOCATABLE CLASSROOM BUILDINGS TO BE CONSTRUCTED AS PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.		FIRE DEPARTMENT ACCESS, 12'-0" MIN - 20'-0" MAX.		EXISTING BUILDING AND/OR PORTABLES NOT A PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.		PROPERTY LINE		EXISTING ACCESSIBLE STUDENT OR STAFF RESTROOM PER DSA APPLICATION INDICATED ON PLANS (S=STAFF, M=MEN, W=WOMEN, B=BOYS, G=GIRLS, K=KINDERGARTEN)		ASSUMED PROPERTY LINE		INDICATES A.C. PAVING		ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH DOOR REQUIREMENTS PER CBC SECTION 11B-404.		INDICATES PARKING STRIPPING, SEE ENLARGED PLAN		INDICATES CHAIN LINK FENCE				ACCESSIBLE BUILDING ENTRANCE
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			ACCESSIBLE BUILDING ENTRANCE																								





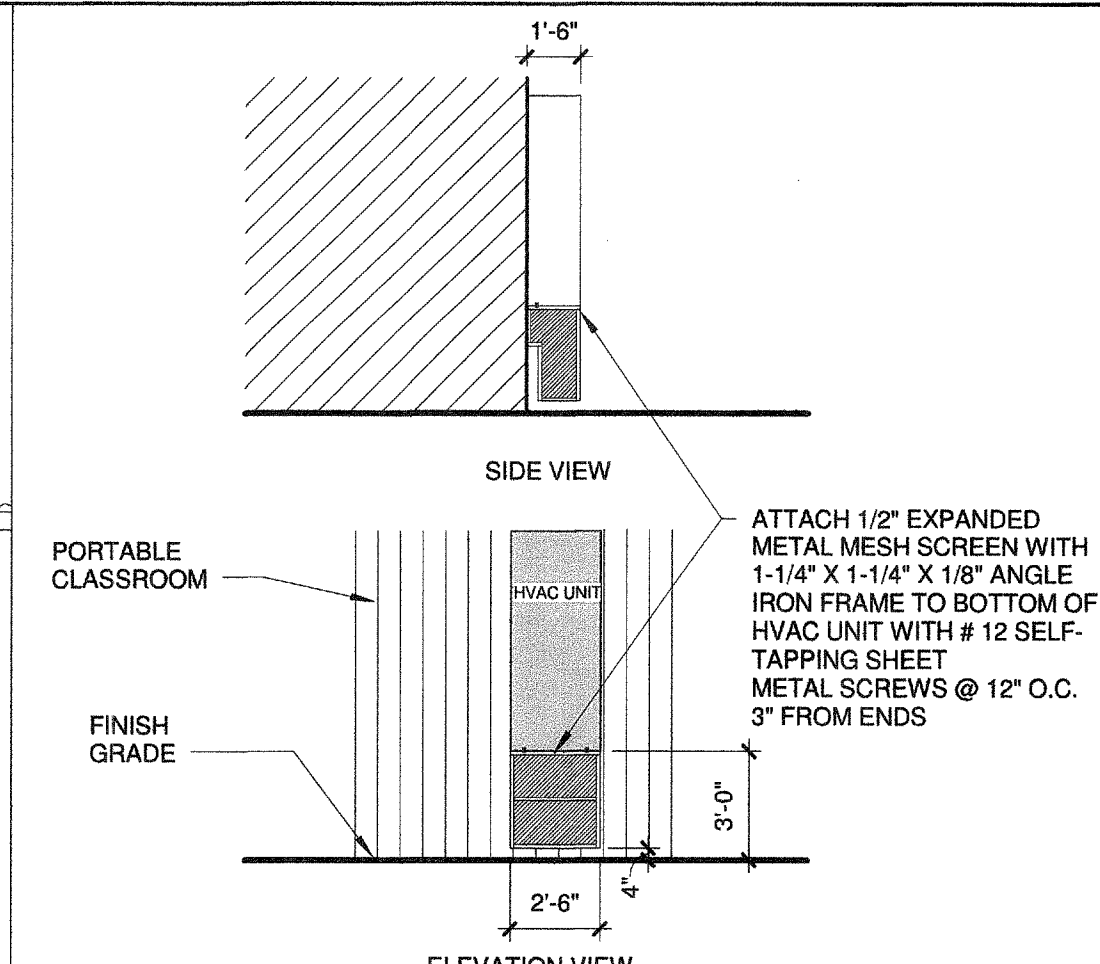
9 ACC. GATE LATCH

3" = 1'-0"



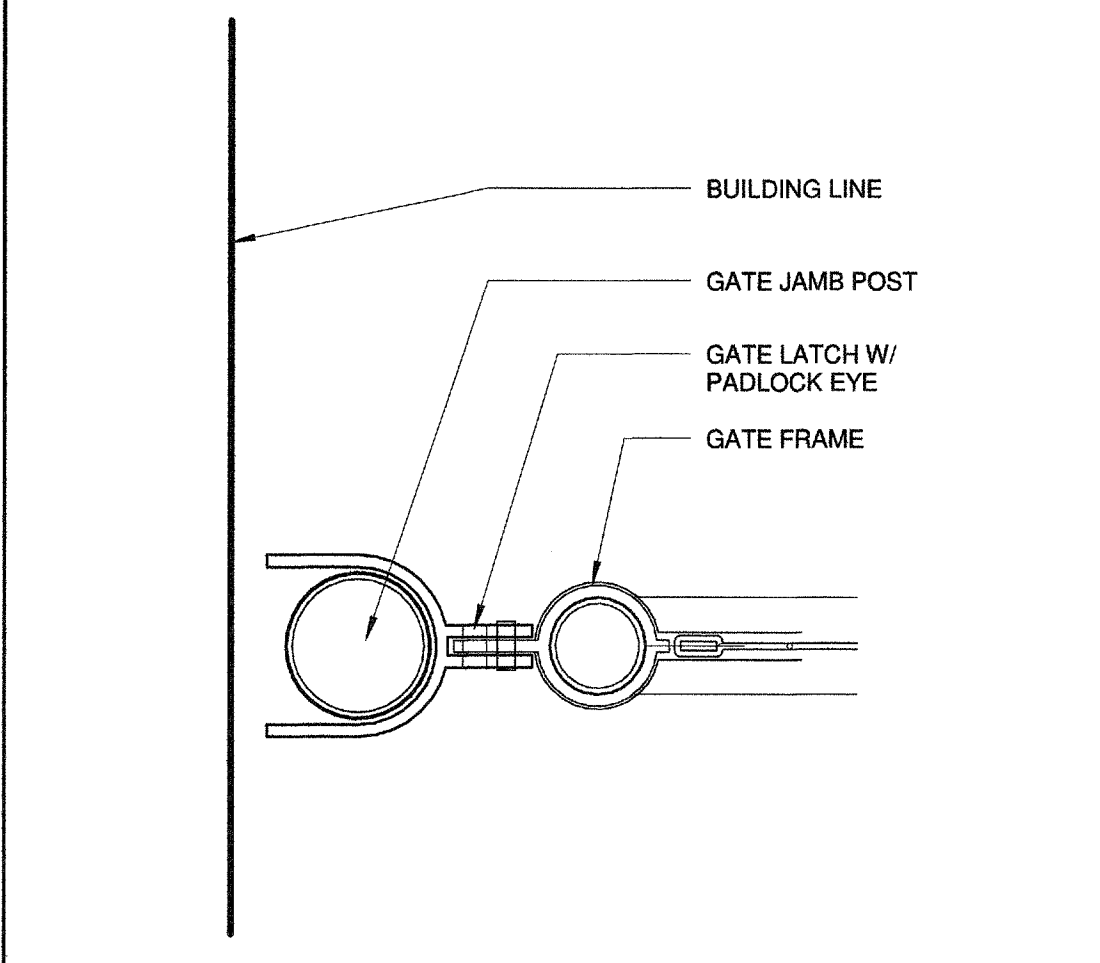
5 DRYWELL

1 1/2" = 1'-0"



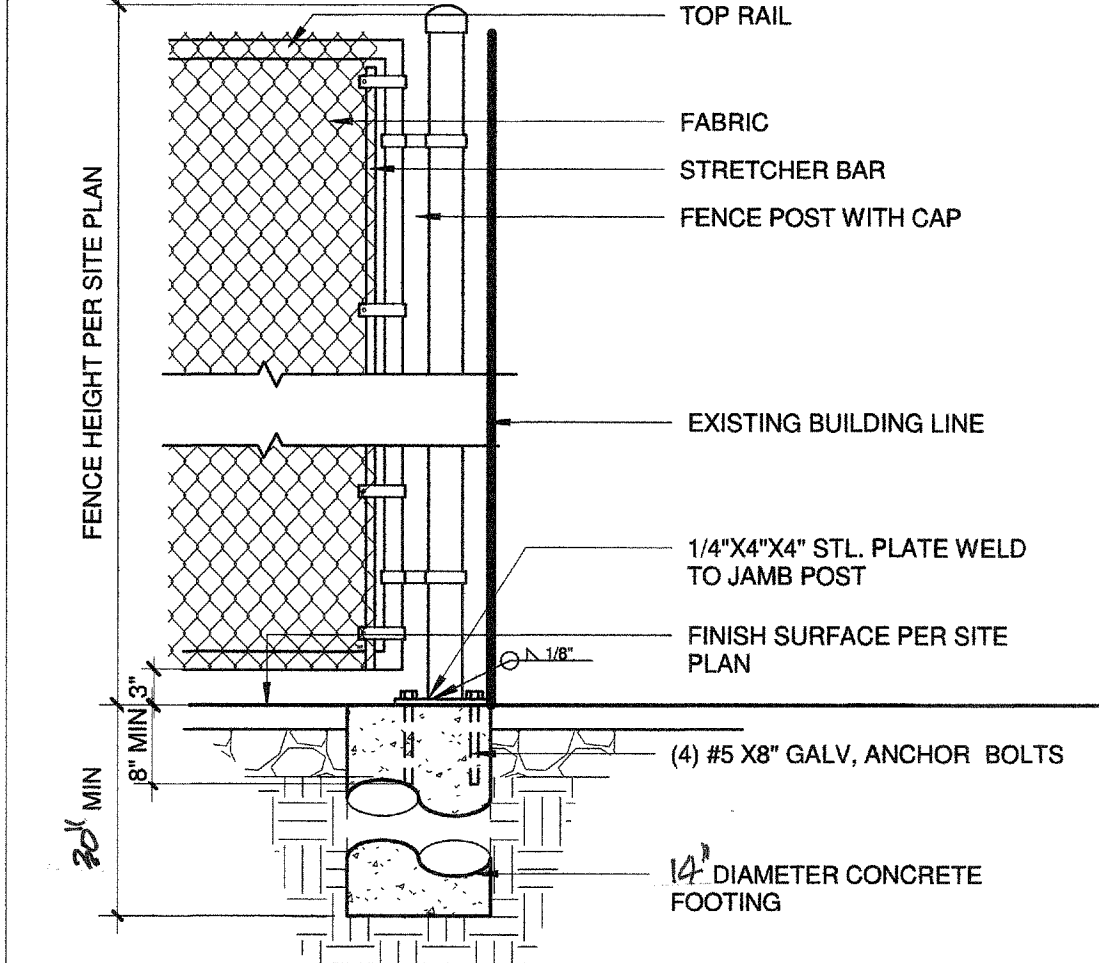
2 MESH SCREEN

3/16" = 1'-0"



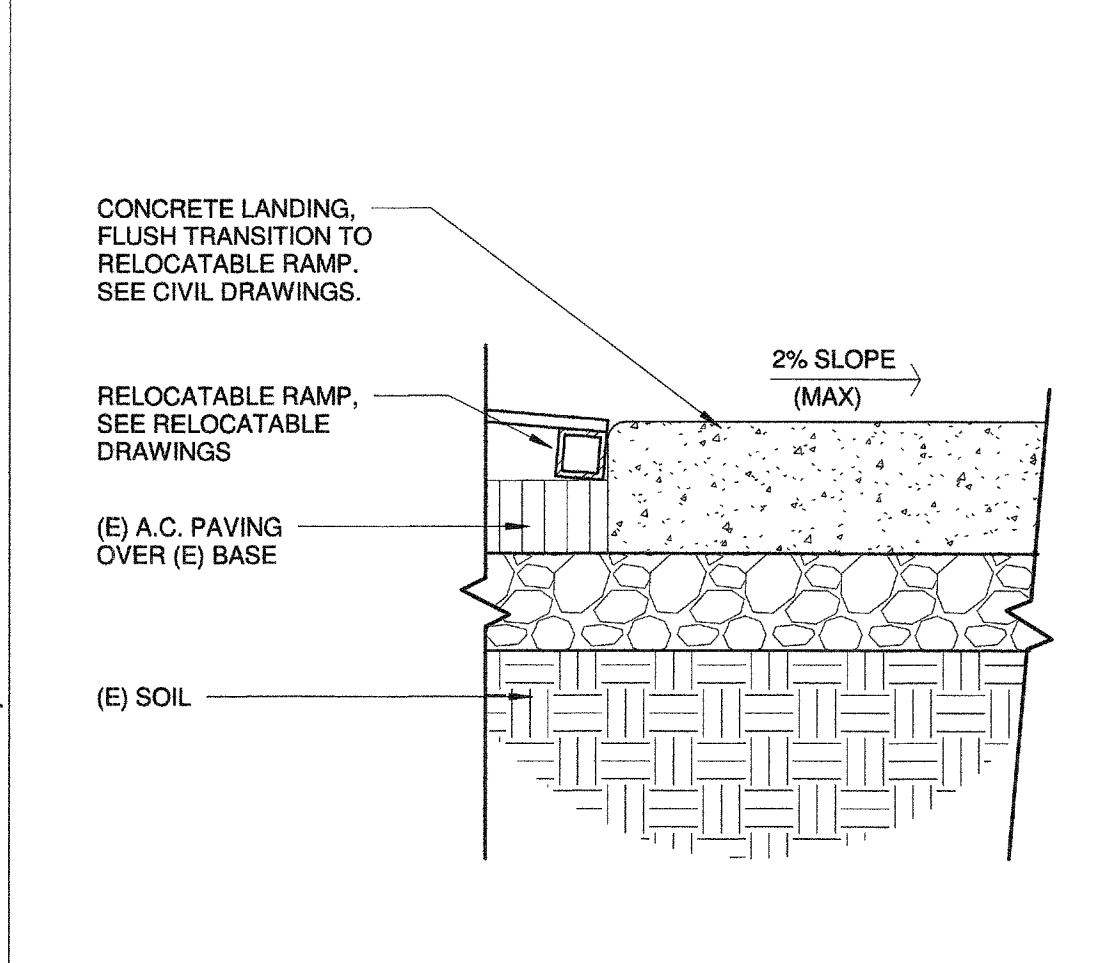
10 GATE LATCH

3" = 1'-0"



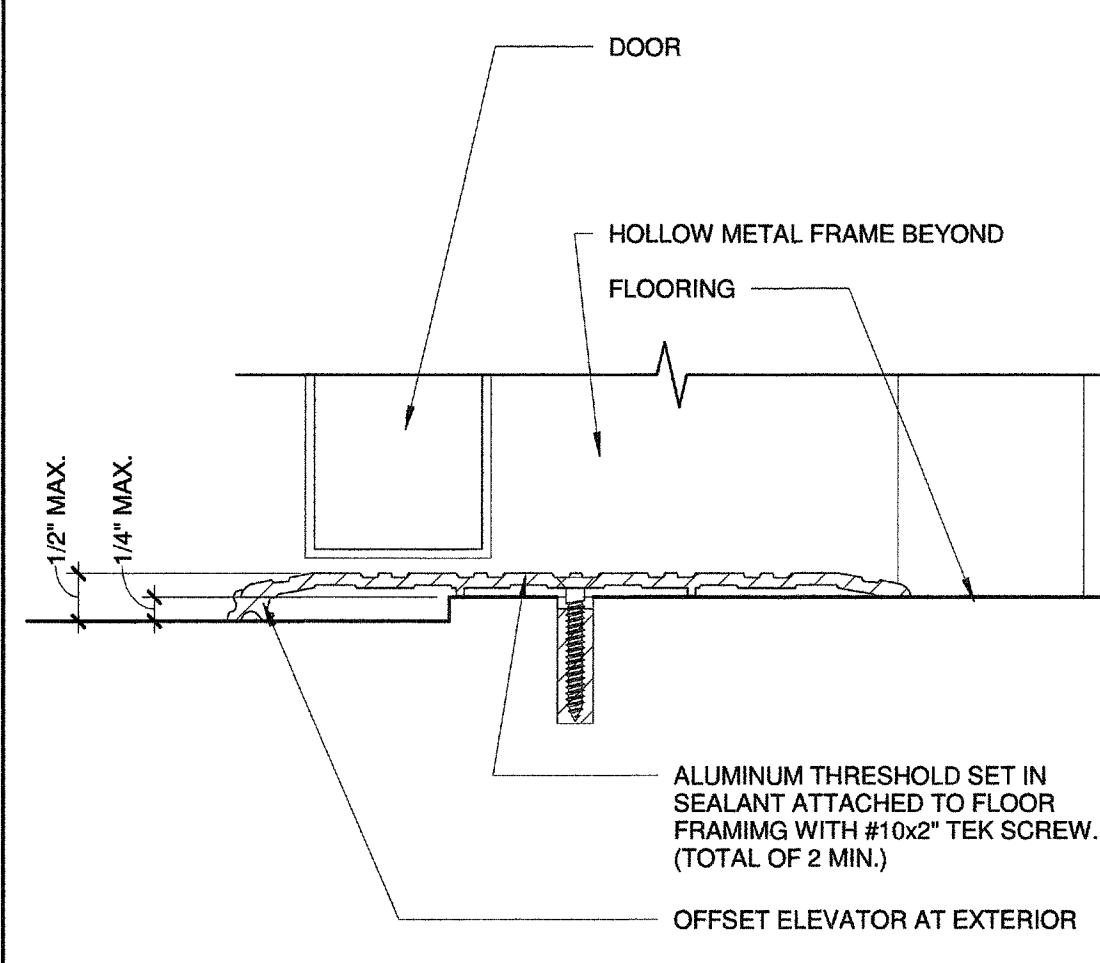
6 CHAIN LINK FENCE

3/4" = 1'-0"



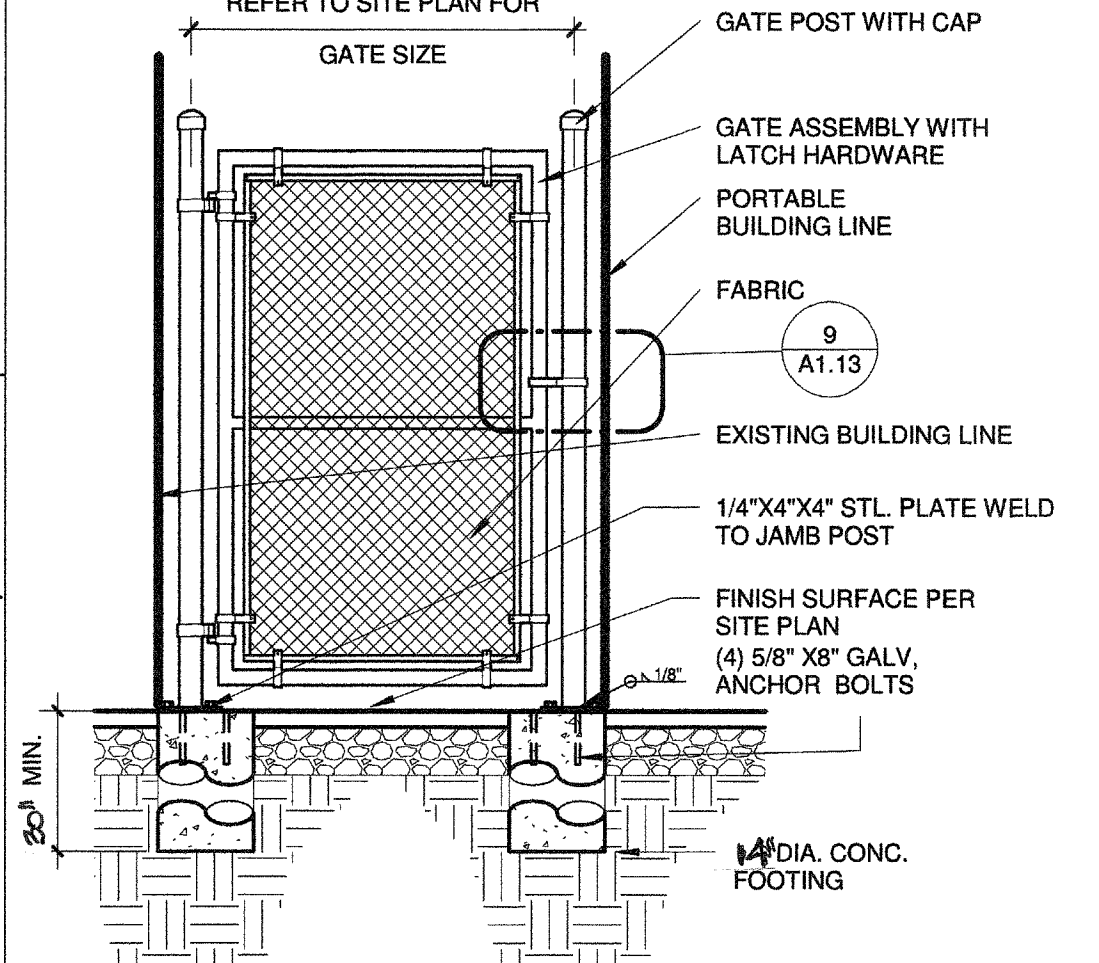
3 CONC. TO RAMP

1 1/2" = 1'-0"



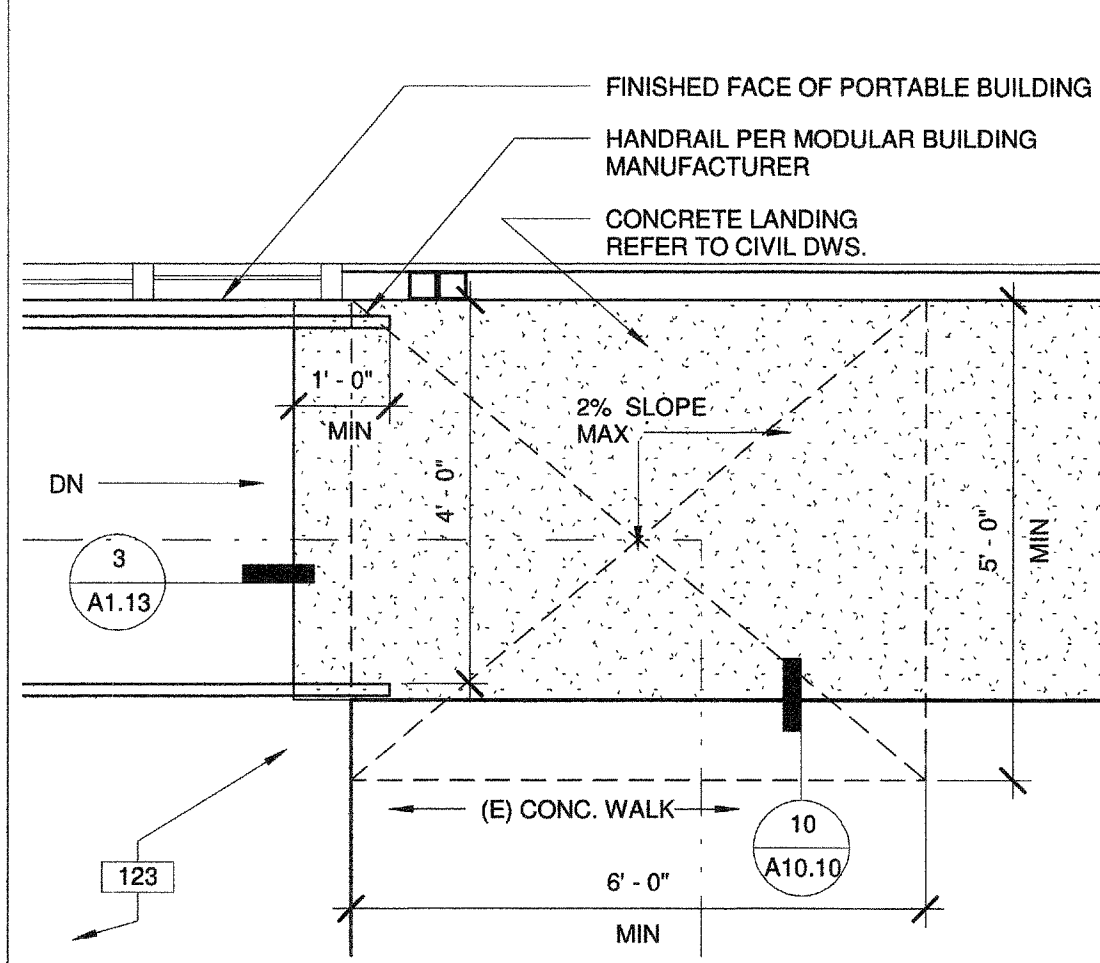
11 THRESHOLD

6" = 1'-0"



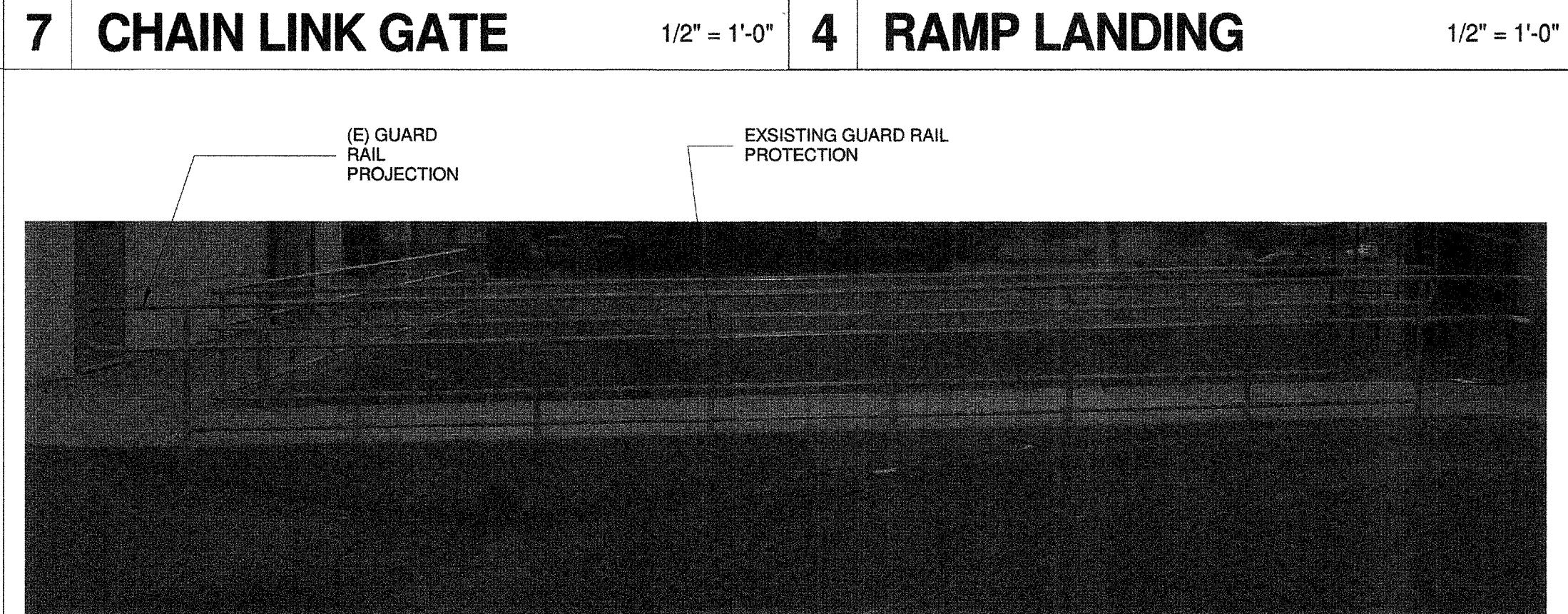
7 CHAIN LINK GATE

1/2" = 1'-0"



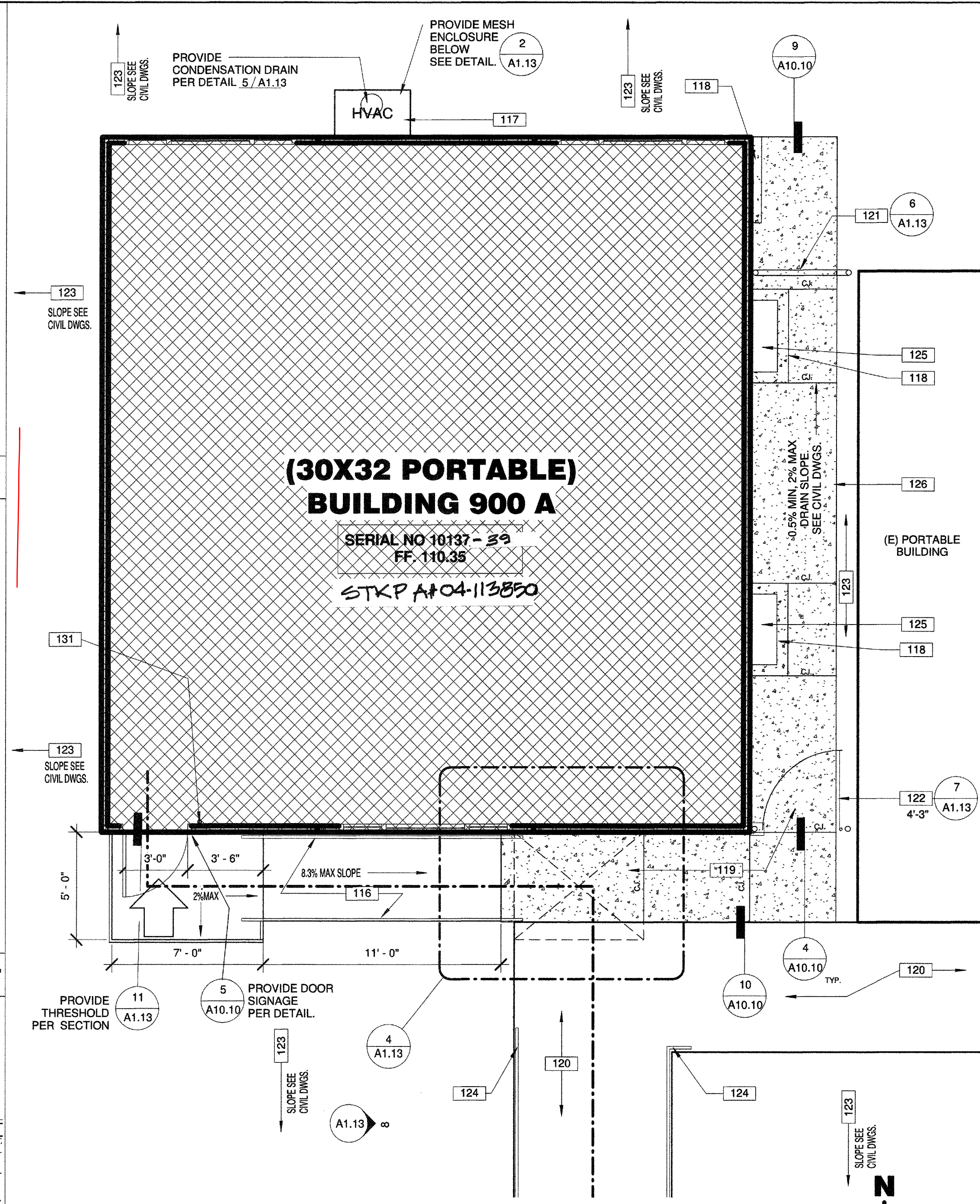
4 RAMP LANDING

1/2" = 1'-0"



8 (E) SIDEWALK

NO SCALE



100 - KEYNOTES

- 116 RAMP AND HANDRAIL SEE PORTABLE MANUFACTURER DRAWINGS.  
117 HVAC UNIT SEE PORTABLE MANUFACTURER DRAWINGS.  
118 CONCRETE CURB REFER TO CIVIL DRAWINGS.  
119 CONCRETE WALK REFER TO CIVIL DRAWINGS.  
120 (E) CONCRETE WALK TO REMAIN.  
121 CHAIN LINK FENCE ENCLOSURE REFER TO DETAIL NOTED.  
122 CHAIN LINK GATE REFER TO DETAIL NOTED.  
123 (E) AC PAVEMENT.  
124 (E) PIPE GUARDRAIL SEE DETAIL NOTED.  
125 PORTABLE VENT WELL, SEE CIVIL DRAWINGS.  
126 SAW CUT (E) ASPHALT AND INSTALL CONCRETE -V- GUTTER, SEE CIVIL DRAWINGS.  
131 FIRE EXTINGUISHER, REFER TO MODULAR BUILDING MANUFACTURER.

100-GENERAL NOTES

1. THESE DRAWINGS INDICATE THE APPROXIMATE EXTENT OF DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF DEMOLITION REQUIRED TO INSTALL IMPROVEMENTS INDICATED ON THE CONSTRUCTION DOCUMENTS.  
2. ALL MATERIAL INDICATED TO BE REMOVED IS TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER, UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.  
3. PRIOR TO ANY UNDERGROUND SITE WORK, VERIFY LOCATION OF ALL EXISTING UTILITIES WITH UNDERGROUND SERVICE ALERT (U.S.A.)  
4. CONTRACTOR SHALL REPLACE IN KIND ANY EXISTING IMPROVEMENTS DAMAGED BY DEMOLITION OR CONSTRUCTION ACTIVITIES.  
5. REFER TO CIVIL DRAWINGS FOR EXTENT OF PAVEMENT REMOVAL UNDER NEW PORTABLE UNIT.

NOTE: ITEMS IN THIS LIST MAY NOT NECESSARILY OCCUR ON THIS SHEET

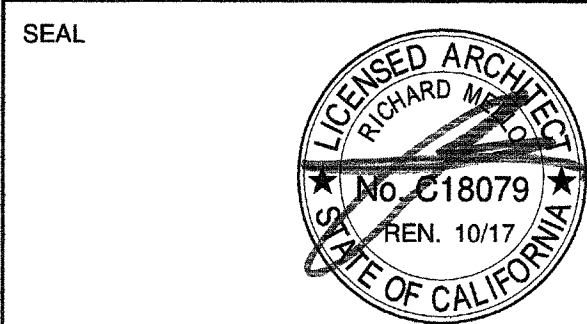
- RELOCATABLE CLASSROOM BUILDINGS TO BE CONSTRUCTED AS PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.  
EXISTING BUILDING AND/OR PORTABLES NOT A PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.  
CONCRETE SLAB, SEE CIVIL DRAWINGS.  
CONTROL JOINT, PER SITE PLAN. SEE DETAIL 4/A10.10.

ASSUMED PROPERTY LINE

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH DOOR REQUIREMENTS PER CBC SECTION 11B-404.

ACCESSIBLE BUILDING ENTRANCE

PRIME CONSULTANT  
ARCHITECTURE PLANNING  
San Luis Obispo  
4119 Broad Street, Suite 210  
San Luis Obispo, CA 93401  
805.546.0433 fax:805.546.0504



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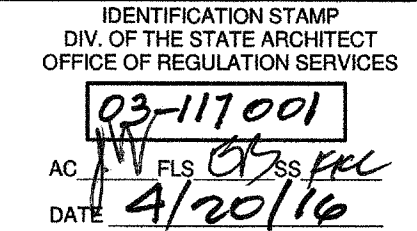
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NO.	DATE	APPRD.	DESCRIPTION

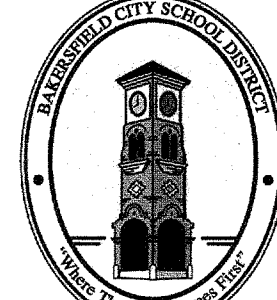
CONSULTANT

AGENCY INFORMATION:

AGENCY TRACKING NO. 53321-127  
FILE NO. 15-6



BAKERSFIELD CITY SCHOOL DISTRICT



COLONEL NICHOLS  
ELEMENTARY SCHOOL  
30'X32' RELOCATABLE  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

PROJECT NO: 15178.000  
DRAWN BY: CC  
CHKD BY: RM  
ISSUE DATE: 04/20/16

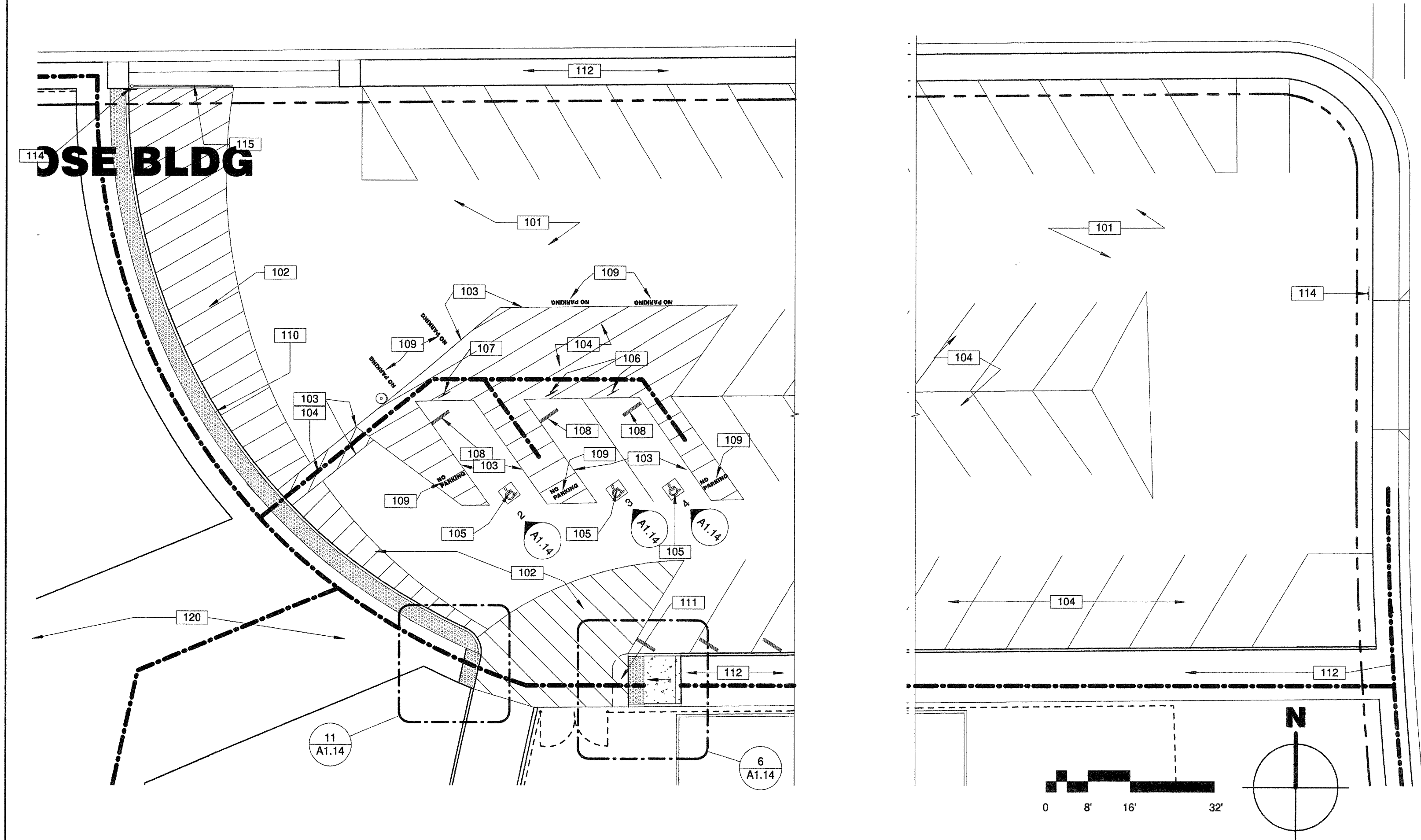
SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

A1.13





## 1 ENLARGED SITE PLAN

SCALE: AS NOTED

### 100-GENERAL NOTES

- THESE DRAWINGS INDICATE THE APPROXIMATE EXTENT OF DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF DEMOLITION REQUIRED TO INSTALL IMPROVEMENTS INDICATED ON THE CONSTRUCTION DOCUMENTS.
- ALL MATERIAL INDICATED TO BE REMOVED IS TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER, UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.
- PRIOR TO ANY UNDERGROUND SITE WORK, VERIFY LOCATION OF ALL EXISTING UTILITIES WITH UNDERGROUND SERVICE ALERT (U.S.A.)
- CONTRACTOR SHALL REPLACE IN KIND ANY EXISTING IMPROVEMENTS DAMAGED BY DEMOLITION OR CONSTRUCTION ACTIVITIES.
- REFER TO CIVIL DRAWINGS FOR EXTENT OF PAVEMENT REMOVAL UNDER NEW PORTABLE UNIT.

### PARKING CALCULATIONS

OVERALL PARKING CAPACITY FOR THE SITE IS: 56 SPACES  
THE PARKING CONFIGURATION IS AS FOLLOWS.

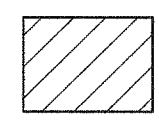
STANDARD SPACES: 53  
ACCESSIBLE SPACES: 3  
VAN ACCESSIBLE: 1

COMPLIES WITH TITLE 24, SECTION 11B-208.2 AND 11B.208.2.4

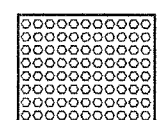
### 100 - KEYNOTES

- 101 (E) AC PAVED PARKING TO REMAIN.
- 102 (E) FIRE AREA RED STRIPING TO REMAIN.
- 103 (E) 4" BLU ACCESSIBLE PERIMETER LINE TO REMAIN.
- 104 (E) 4" WHITE PARKING LINE OR STRIPING TO REMAIN.
- 105 (E) 36"X38" INTERNATIONAL ACCESSIBILITY SYMBOL TO REMAIN.
- 106 (E) ACCESSIBLE PARKING IDENTIFICATION SIGN TO REMAIN.
- 107 (E) "VAN" ACCESSIBLE PARKING IDENTIFICATION SIGN, TO REMAIN.
- 108 (E) WHEEL STOP, PAINTED BLUE TO REMAIN.
- 109 (E) WHITE COLOR "NO PARKING" LETTERING, 12" HIGH, TO REMAIN.
- 110 (E) FLUSH CURVE TO REMAIN.
- 111 (E) AC PAVING AND PORTION OF CONCRETE WALK TO BE REMOVED, TO CONSTRUCT NEW RAMP AS SHOWN.
- 112 (E) SIDEWALK TO REMAIN.
- 114 (E) PARKING LOT TOW SIGNAGE TO REMAIN, SEE DETAIL 9/A1.14.
- 115 (E) AUTOMOTIVE ENTRY BARRIER GATE, TO REMAIN.
- 120 (E) CONCRETE WALK TO REMAIN.

### LEGEND



INDICATES EXISTING RED-FIRE AND/OR WHITE-ACCESSIBLE PAVEMENT LINE HATCHINGS



INDICATES TRUNCATED DOMES PER DETAIL NOTED.

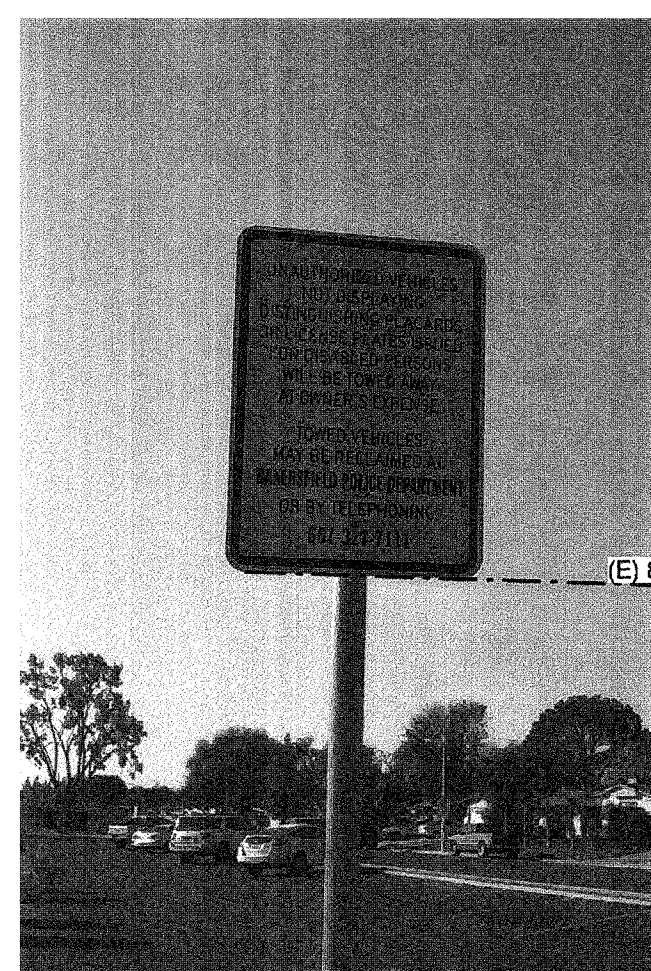


CONCRETE SLAB.

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM. AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH DOOR REQUIREMENTS PER CBC SECTION 11B-404.

### NOTES APPLICABLE TO SITE SIGNAGE

- ALL SIGN SUBSTRATES SHALL BE 1/8" THICK REFLECTORIZED ALUMINUM.
- LETTERS AND GRAPHICS SHALL BE SILK SCREENED REFLECTORIZED ALUMINUM.
- ALL SIGNS SHALL BE MOUNTED WITH TAMPER PROOF SCREWS TO GALVANIZED 2" DIAMETER STANDARD STEEL PIPE. PIPE SHALL BE SHOP PRIMED AND PAINTED WITH TWO (2) COATS OF EXTERIOR ENAMEL.
- IN LIEU OF TAMPER PROOF SCREWS, SPOT WELDING END OF BOLT AFTER NUT INSTALLATION IS ACCEPTABLE.
- PROVIDE 3/4" RADIUS AT ALL SIGN CORNERS.
- SIGNS SHALL BE MOUNTED IN A CONSPICUOUS LOCATION.



(E) 80" AFF. MIN.

## 8 SIGNAGE NOTES

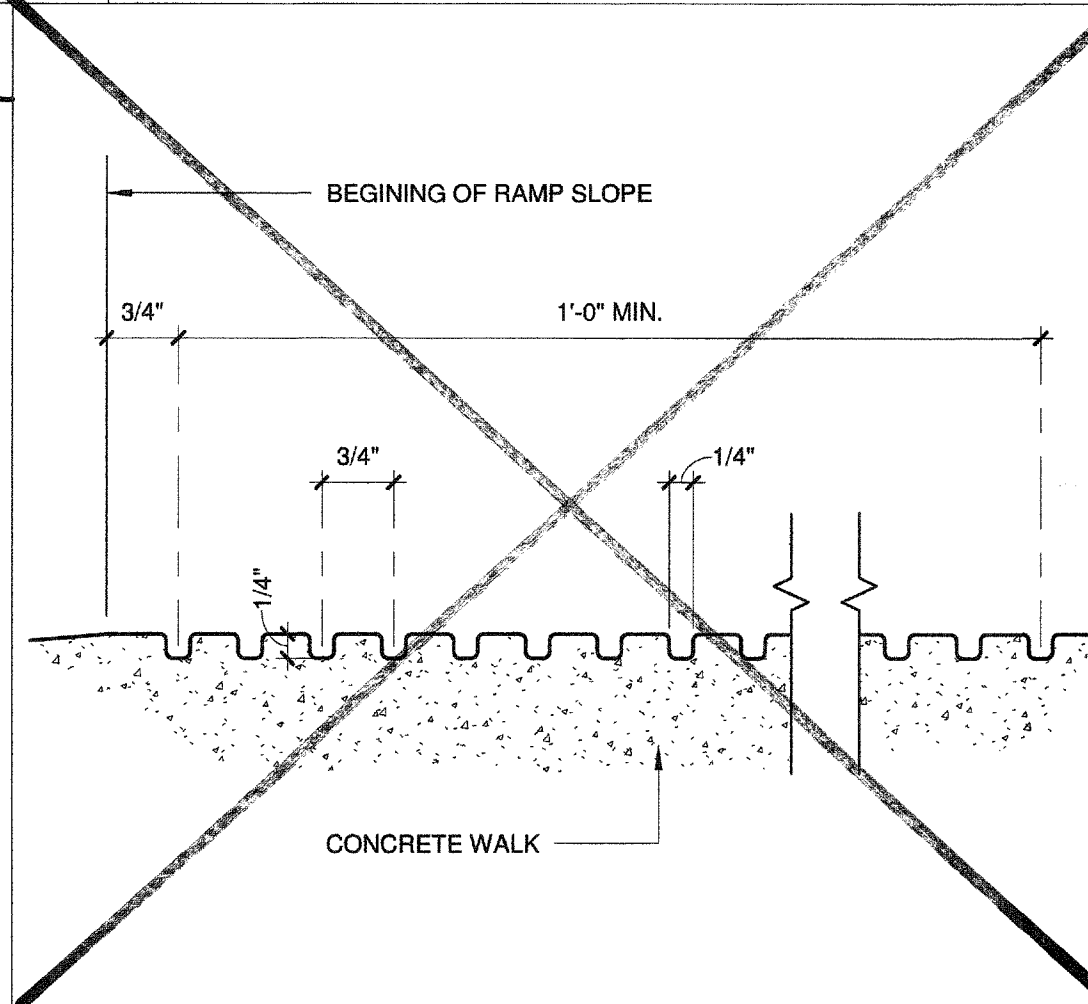
1/8" = 1'-0"

## 9 (E) TOW SIGN

NO SCALE

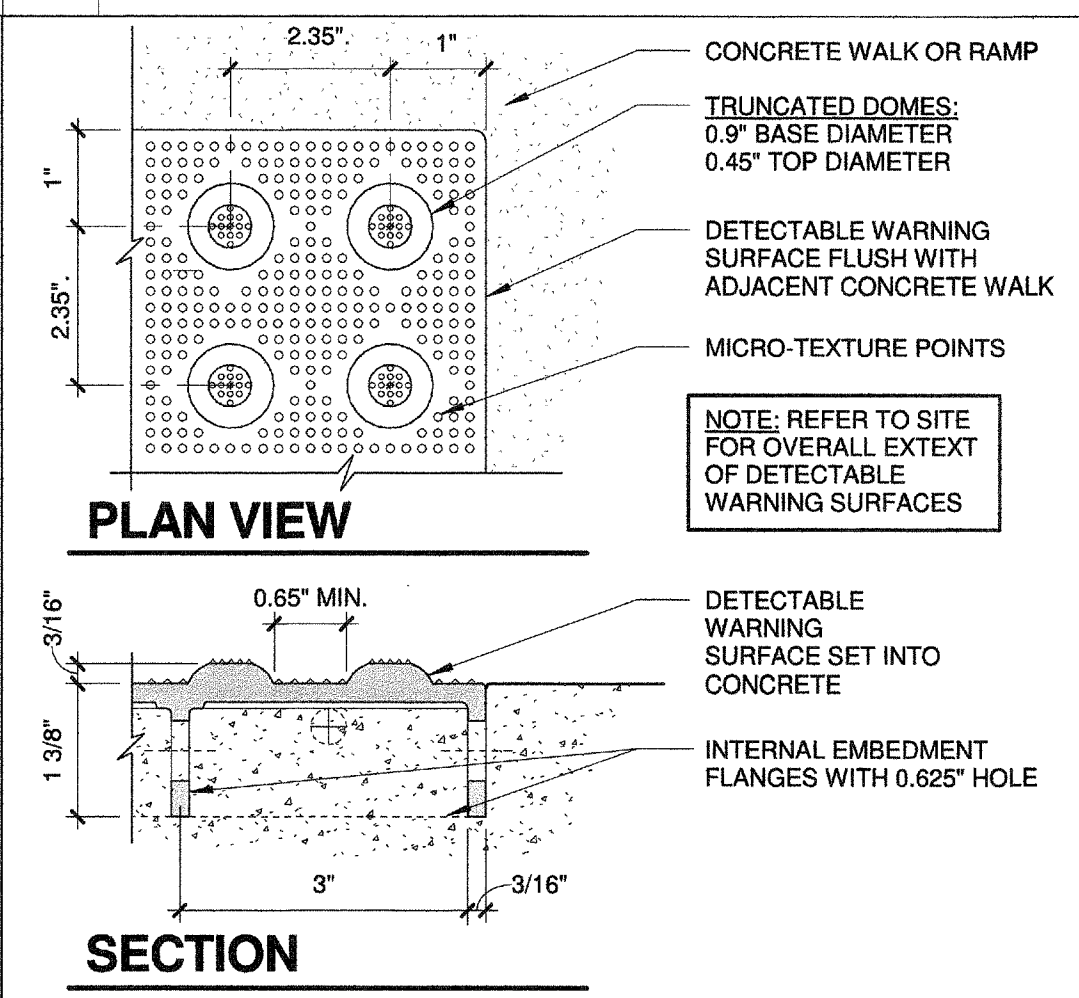
## 3 (E) ACCESSIBLE P.S - 2

12" = 1'-0"



## 5 WARNING GROOVES

6" = 1'-0"

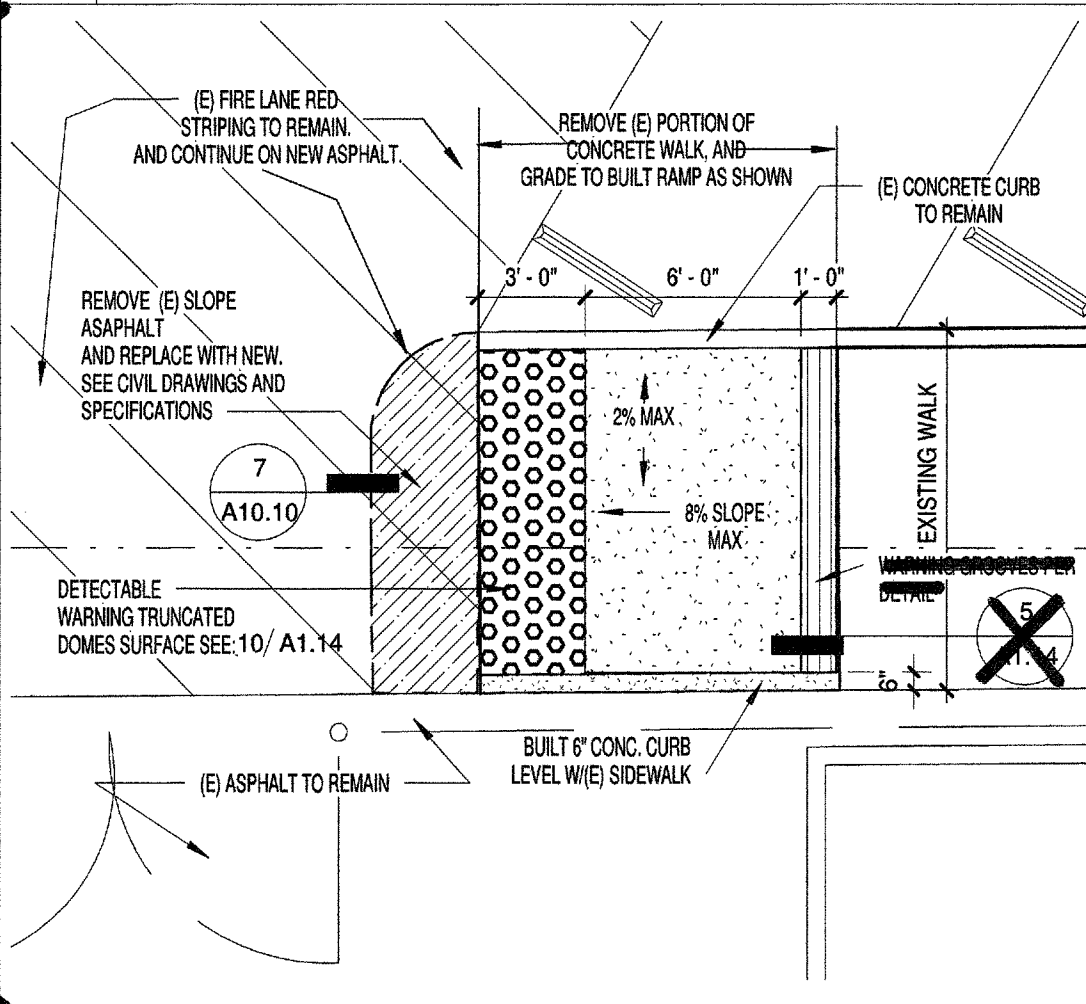


## 10 TRUNCATED DOMES

6" = 1'-0"

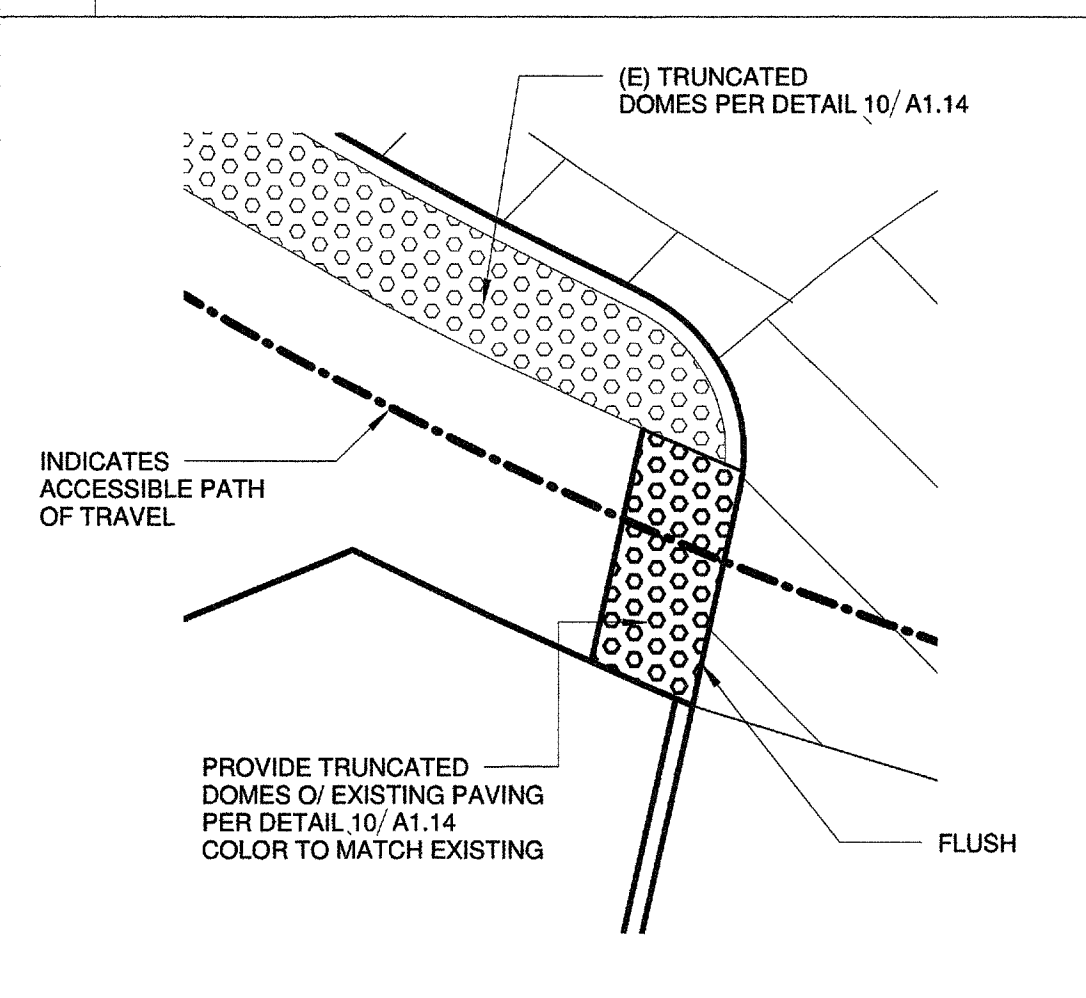
## 4 (E) ACCESSIBLE P.S - 3

NO SCALE



## 6 SW. RAMP

3/16" = 1'-0"



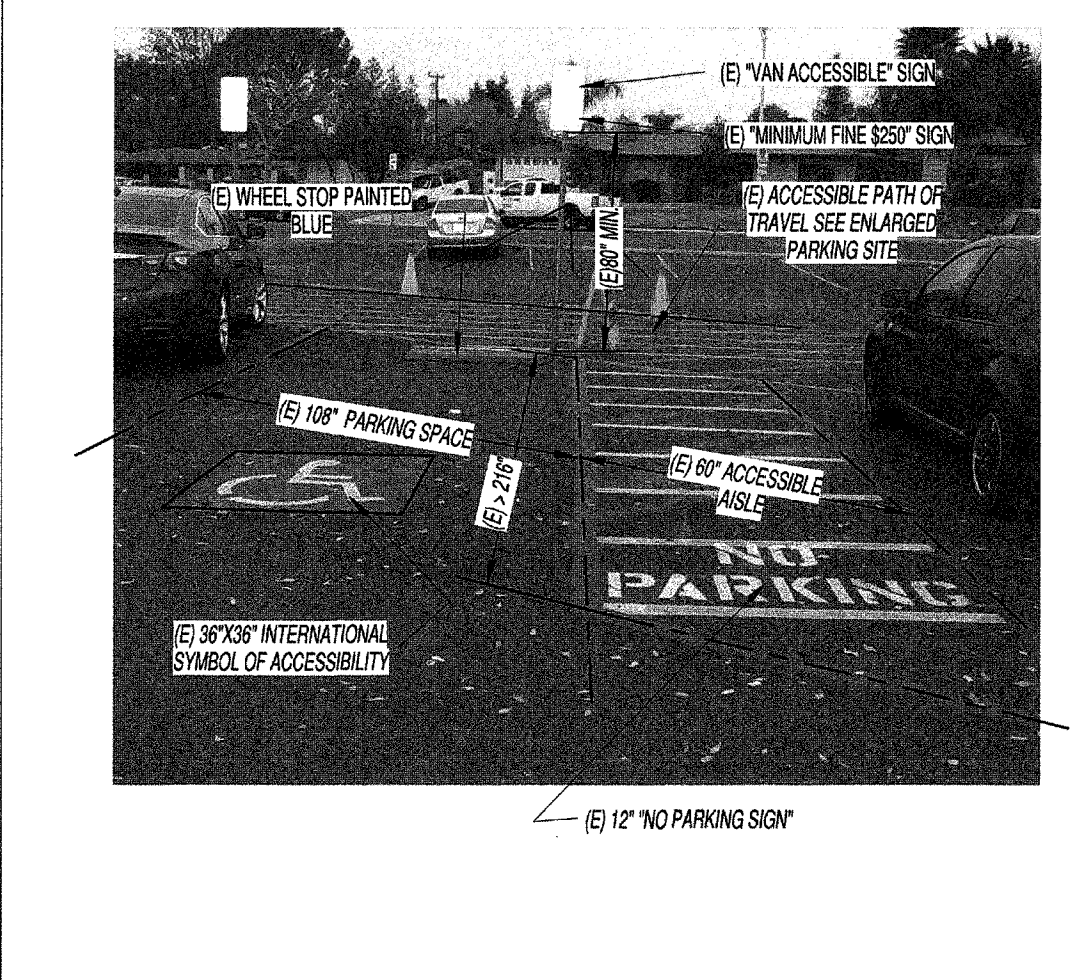
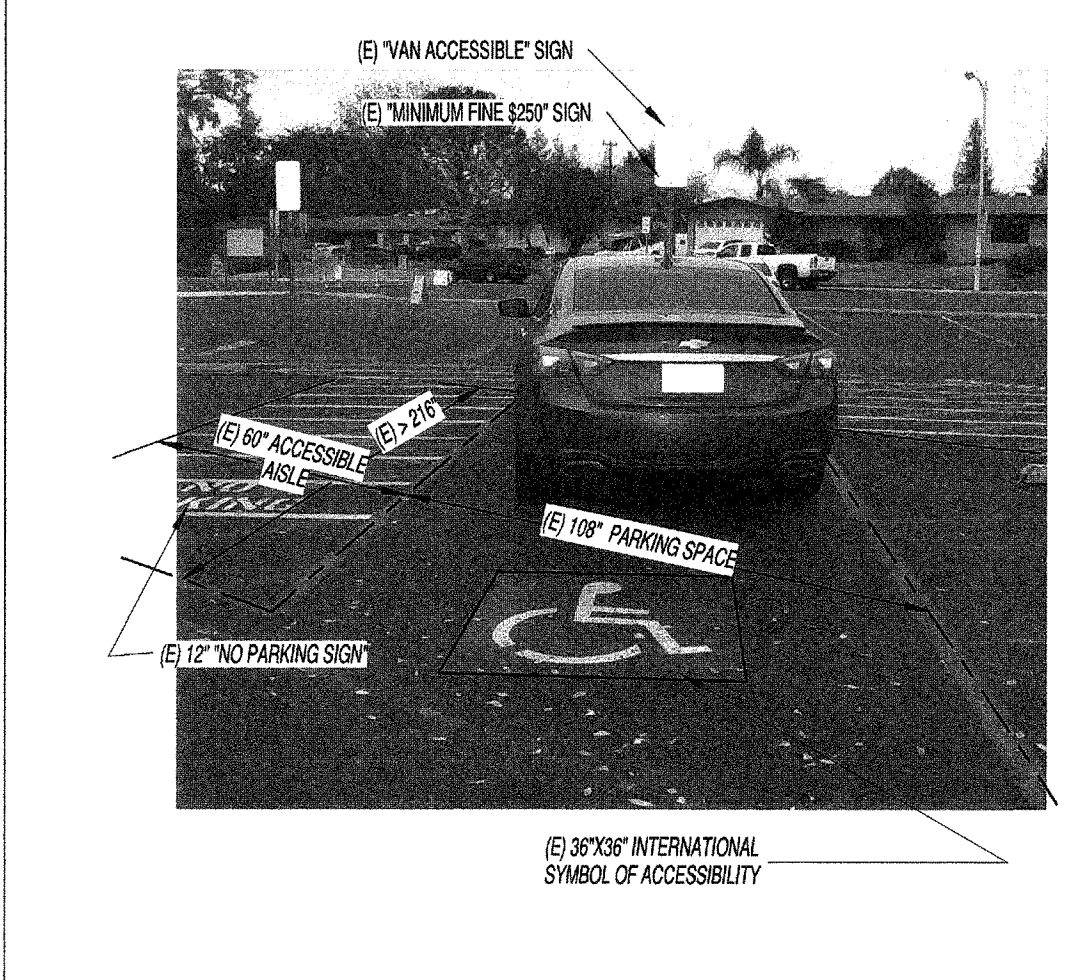
## 11 WARNING DOMES

3/16" = 1'-0"



## 2 (E) VAN ACCESSIBLE P.S - 1

NO SCALE



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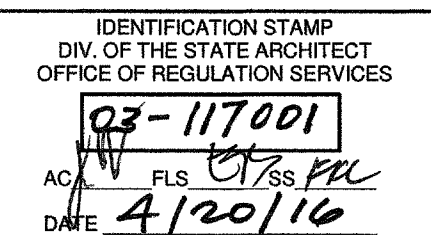
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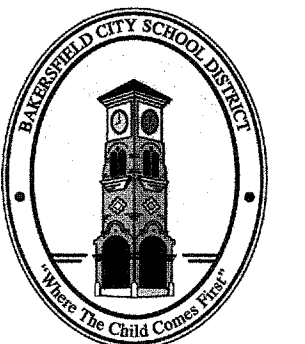
CONSULTANT

AGENCY INFORMATION:

AGENCY TRACKING NO.  
FILE NO. 15-6



BAKERSFIELD CITY SCHOOL DISTRICT



**COLONEL NICHOLS  
ELEMENTARY SCHOOL  
30'X32' RELOCATABLE**  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

PROJECT NO: 15178.000

DRAWN BY: Author

CHK'D BY: Checker

ISSUE DATE: 04/20/16

SHEET TITLE

**ENLARGED PARKING**

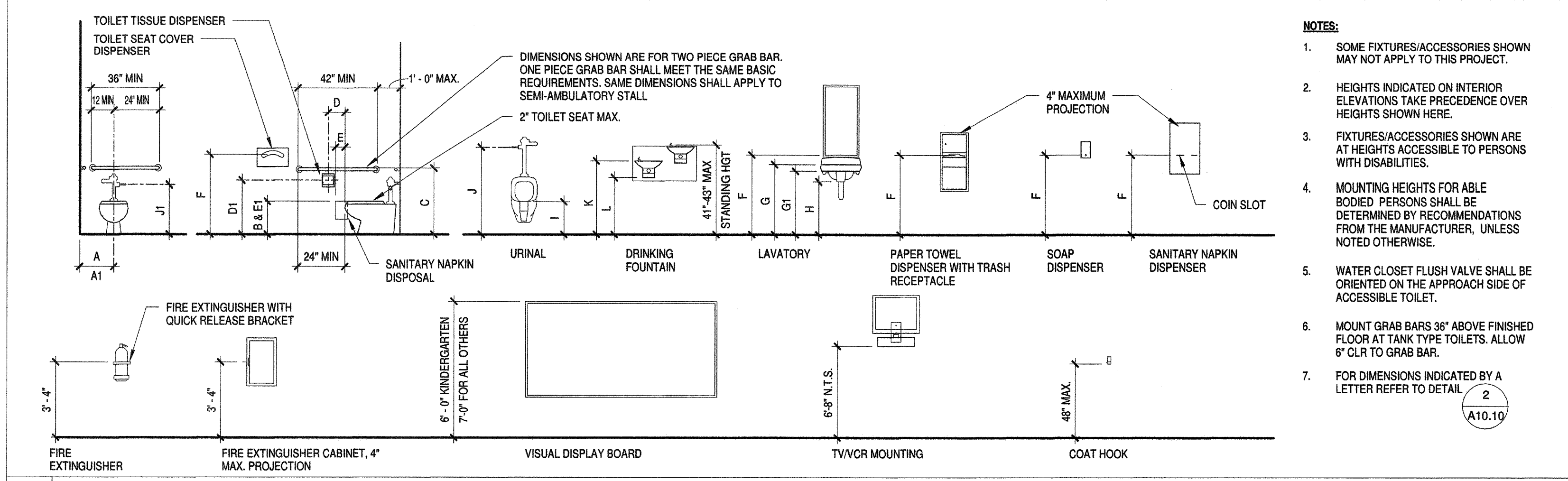
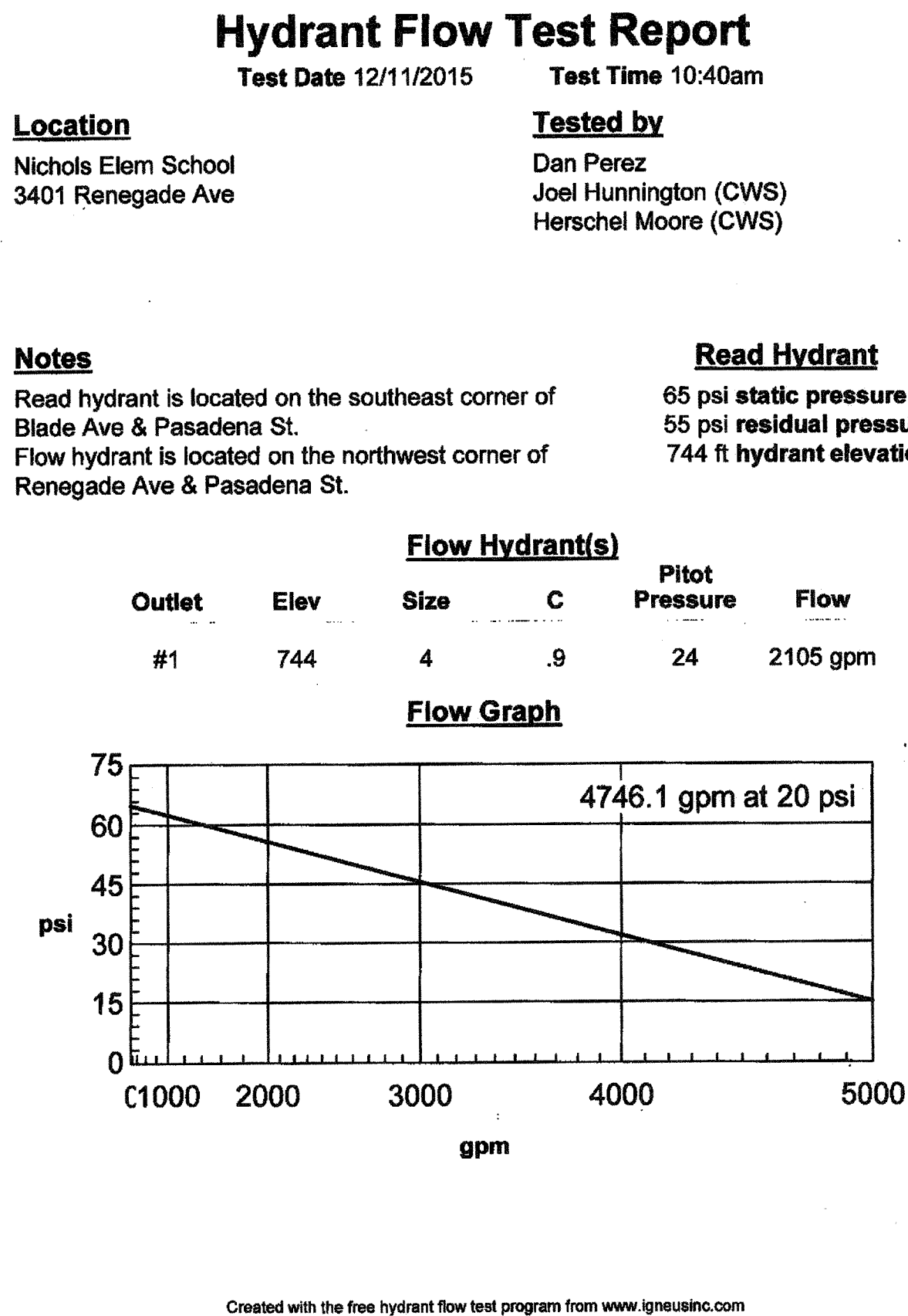
SHEET NUMBER

**A1.14**



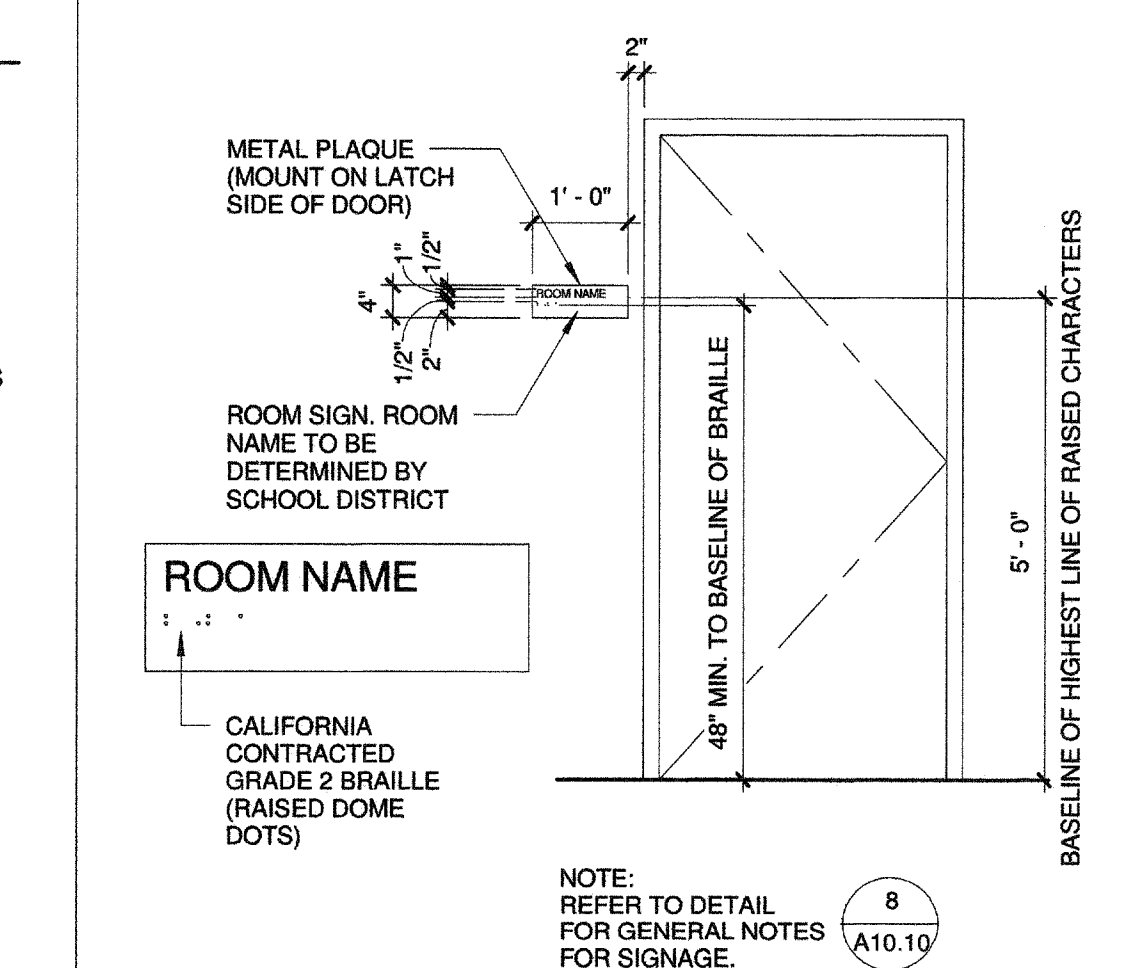






# 1 ACCESSIBLE MOUNTING HEIGHTS

- NOTES APPLICABLE TO BLDG SIGNAGE DETAIL 5/A10.10**
- ALL SYMBOLS AND LETTERS TO BE RAISED 1/32" ABOVE SIGN/PLAQUE SURFACE TYP. (U.O.N.) AND SHALL BE AN INTEGRAL PART OF THE SIGN. CONTRAST BETWEEN SYMBOLS, LETTERS, CHARACTERS AND BACKGROUND MUST BE 70% MIN.
  - ALL SIGNS TO HAVE A COLOR WHICH CONTRASTS 70% MIN. WITH DOOR COLOR.
  - ALL PLAQUES TO HAVE A COLOR WHICH CONTRASTS WITH THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.
  - REFER TO ABOVE DETAIL ACCESSIBILITY SIGN(S) LOCATION AND ELEVATION FOR SIGN/PLAQUE LOCATION INFORMATION.
  - CALIFORNIA GRADE 2 BRAILLE DOTS SHALL BE 1/10" (2.54mm) ON CENTERS IN EACH CELL WITH 2/10" (5.08 mm) SPACE BETWEEN CELLS. DOME DOTS SHALL BE RAISED A MIN. OF 1/40" (0.635 mm) ABOVE THE BACKGROUND.
  - ALL SIGNS AND IDENTIFICATION SHALL COMPLY WITH TITLE 24, SECTION 11B-703.

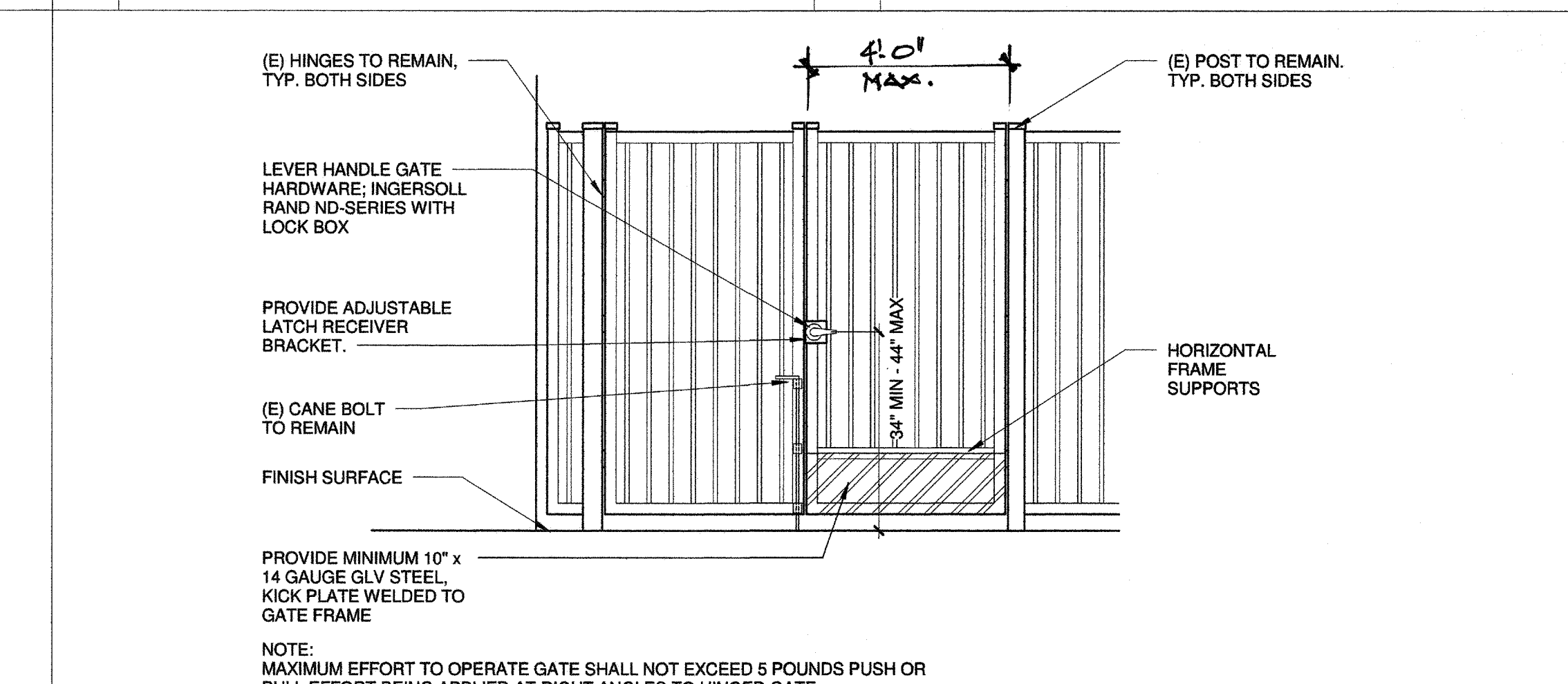
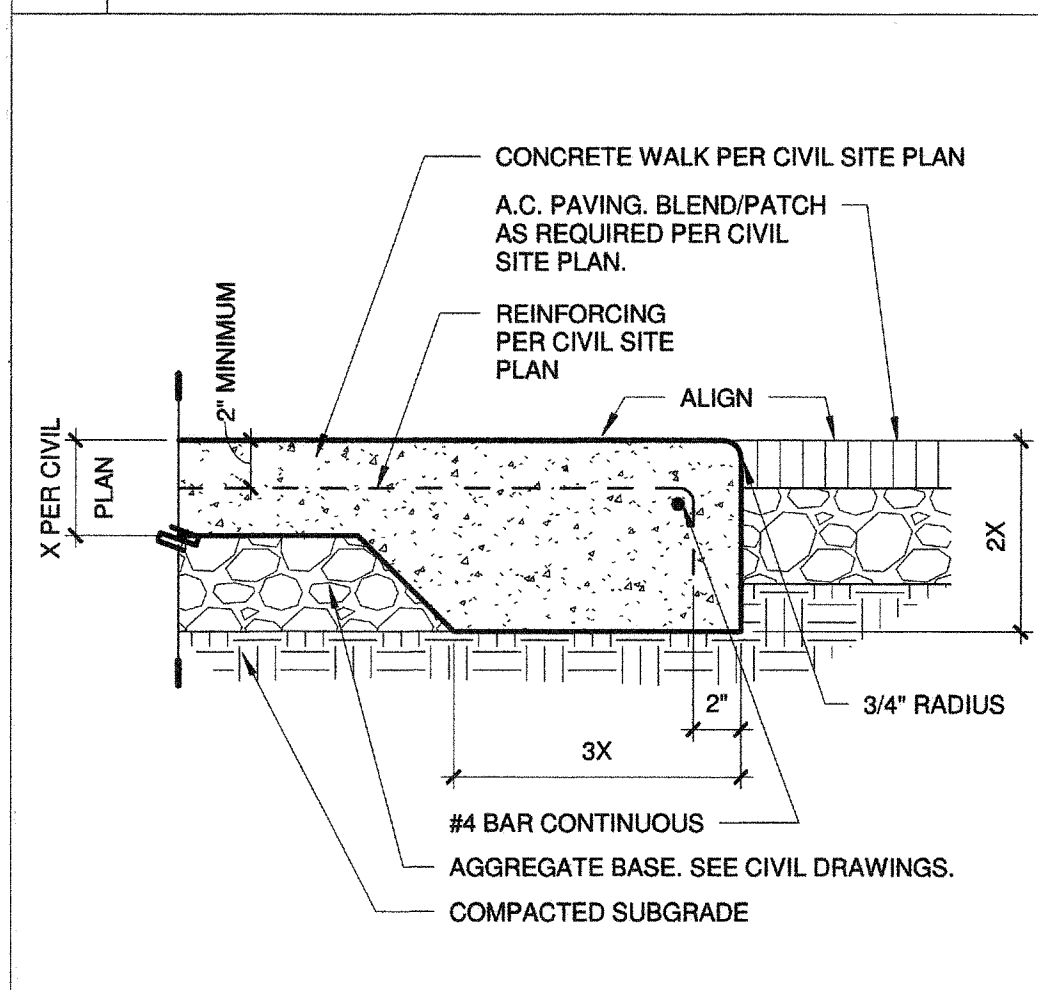


LETTER	DESCRIPTION	ADULTS AGES 13 & OLDER	CHILDREN AGES 3-4
A	WHEELCHAIR ACCESSIBLE WATER CLOSET CENTERLINE	17" - 18"	12" - 15"
A1	AMBULATORY ACCESSIBLE WATER CLOSET CENTERLINE	17" - 19"	12" - 15"
B	TOILET SEAT HEIGHT (TO TOP OF SEAT)	17" MIN - 19" MAX	12" - 15"
C	GRAB BAR HEIGHT (TOP OF GRIPPING SURFACE)	33" MIN - 36" MAX	20" - 25"
D	TOILET TISSUE DISPENSER TO TOILET	7" - 9"	7" - 9"
D1	TOILET TISSUE DISPENSER (OUTLET OF DISPENSER FROM FLOOR)	19" MIN	14" - 17"
D2	TOILET TISSUE DISPENSER (FROM BOTTOM OF GRAB BAR)	1 1/2" MIN CLR	1 1/2" MIN CLR
E	SANITARY NAPKIN DISPOSAL TO TOILET	5"	N/A
E1	SANITARY NAPKIN DISPOSAL FROM FLOOR TO TOP	17" - 19"	N/A
F	DISPENSER OR MIRROR TO REFLECTIVE SURFACE	40" MAX	34"
G	LAVATORY SINK HEIGHT	34" MAX	31" MAX AGES 6-12
G1	LAVATORY APRON CLEARANCE	29" MIN	-
H	KNEE CLEARANCE	27" MIN	24" MIN AGES 6-12
I	URINAL RIM HEIGHT	17" MAX	17" MAX
J	URINAL FLUSH CONTROL HEIGHT	44" MAX	44" MAX
J1	WATER CLOSET FLUSH CONTROL HEIGHT	44" MAX	38" MAX
K	DRINKING FOUNTAIN SPOUT HEIGHT	38" MAX	30" MAX SIDE APPROACH
L	DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN	27" MIN

# 8 SIGNAGE NOTES

# 5 ROOM SIGNAGE

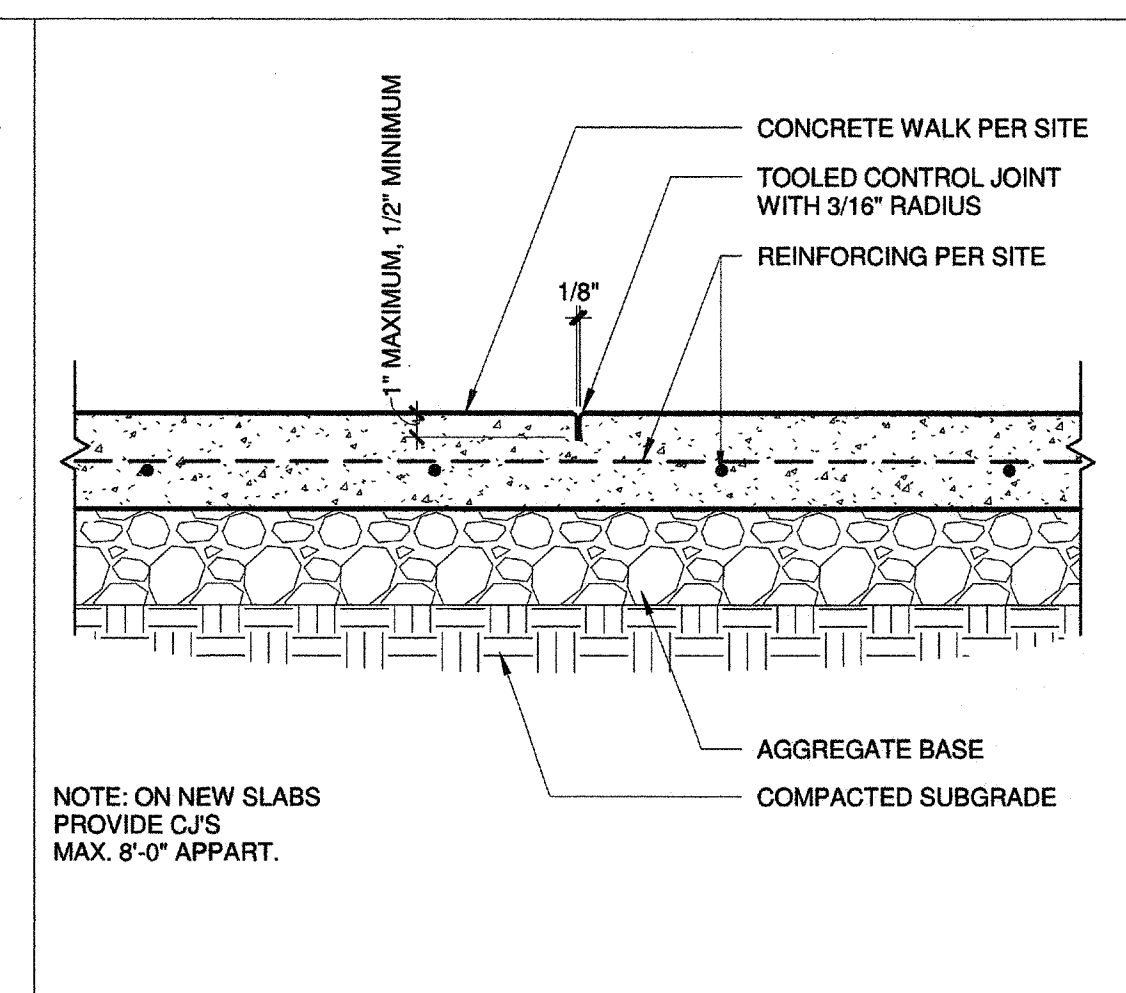
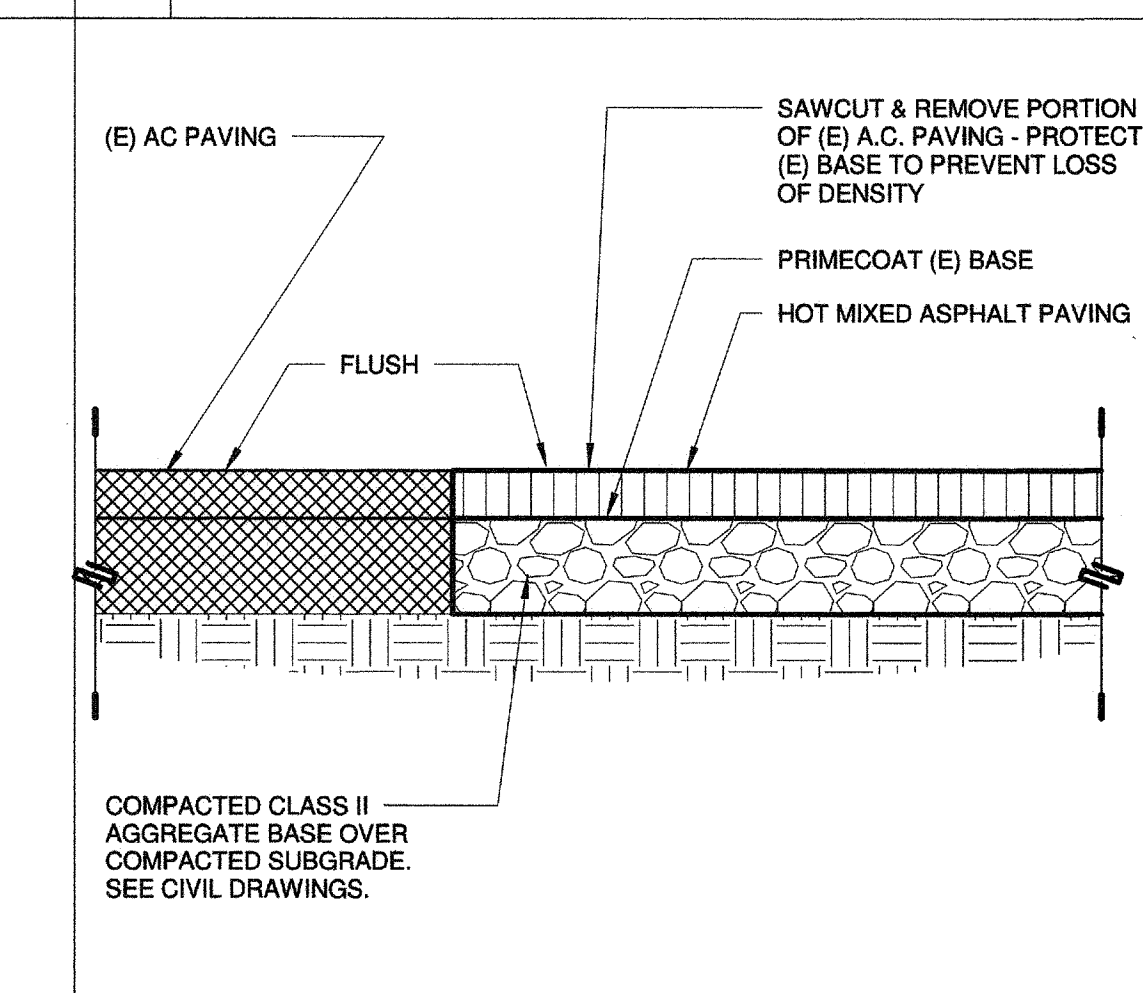
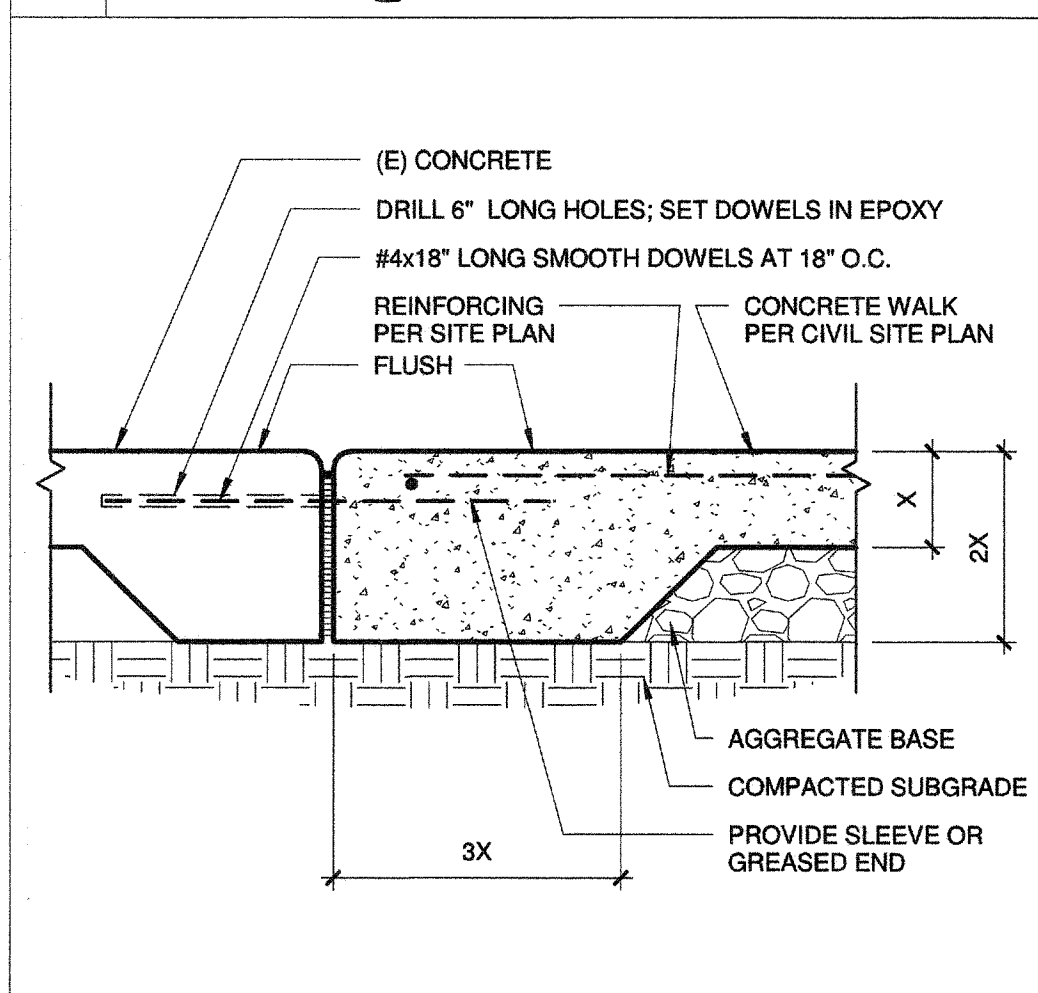
# 2 MOUNTING HEIGHTS



# 9 WALK @ AC PAVING

# 6 ACC GATE ELEVATION

# 1/2" = 1'-0"



# 10 CONC. TO (E) CONC.

# 7 AC TO (E) AC PAVING

# 4 CONTROL JOINT

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FILE NO. 15-6

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OFFICE OF REGULATION SERVICES  
03-117001  
AC 11/15/16  
DATE 4-20-16

BAKERSFIELD CITY SCHOOL DISTRICT

**COLONEL NICHOLS ELEMENTARY SCHOOL**  
30'X32' RELOCATABLE  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

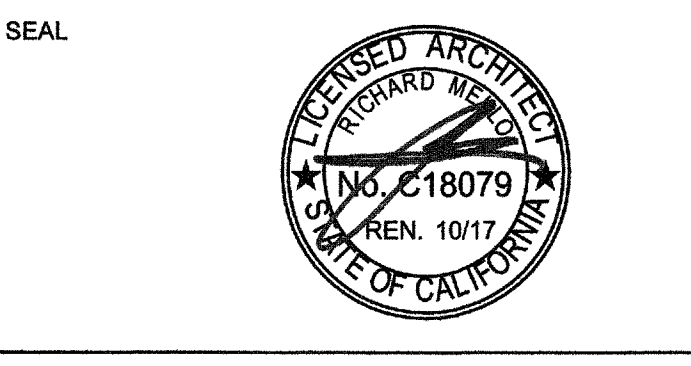
PROJECT NO: 15178.000  
DRAWN BY: C.C.  
CHK'D BY: RM  
ISSUE DATE: 04/20/16  
SHEET TITLE: DETAILS  
SHEET NUMBER: A10.10



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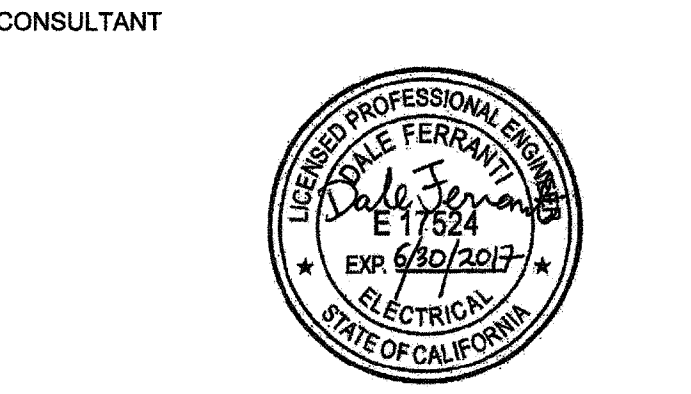
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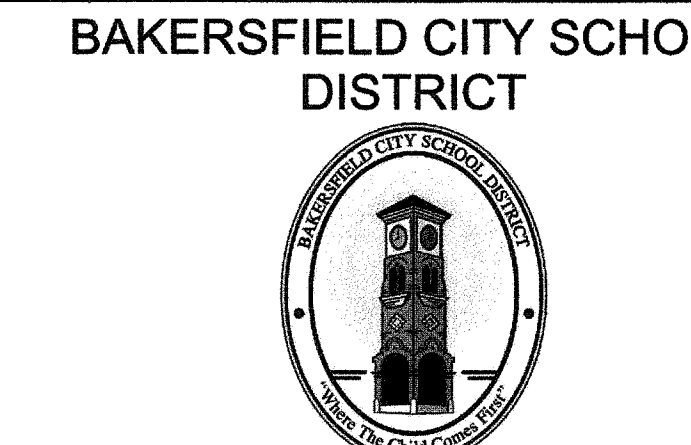
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NO.	DATE	APPRD.	DESCRIPTION



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FILE NO. 15-6

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OFFICE OF REGULATION SERVICES  
03-117001  
AC FL S FL S FL S  
DATE 4/12/2016



COLONEL NICHOLS  
ELEMENTARY SCHOOL  
30'X32' RELOCATABLE  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

PROJECT NO:	15178.000
DRAWN BY:	G. GARCIA
CHK'D BY:	D. FERRANTI
ISSUE DATE:	04/20/16
SHEET TITLE	

## SYMBOLS & GENERAL NOTES

SHEET NUMBER

## ELECTRICAL SYMBOL LIST

DIMENSIONS INDICATED ARE MEASURED TO CENTERLINE OF ENCLOSURE, UNLESS OTHERWISE NOTED  
NOTE: SOME SYMBOLS SHOWN MAY NOT APPLY TO THIS PROJECT

ANNOTATIONS & CALLOUTS

1 ELECTRICAL KEYNOTE: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET.

1 62 INDICATES LIGHTING FIXTURE TAG NUMBER

1 62 INDICATES WATTAGE OF LIGHT FIXTURE (FOUND ON LIGHT FIXTURE SCHEDULE)

1 INDICATES MECHANICAL/PLUMBING EQUIPMENT OR DEVICE (FOUND ON ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT OR ON MECHANICAL PLANS.)

1 MECHANICAL/PLUMBING TAG NUMBER

1 62 INDICATES DETAIL NUMBER

1 62 INDICATES SHEET NUMBER TO FIND DETAIL

1 BREAK LINE INDICATES WORK EXTENDED BEYOND LIMITS SHOWN ON DRAWING.

CONDUIT & WIRING SYMBOLS

AS-1-3-5,7 INDICATES A HOMERUN TO PANEL AS, CKTS 1-3-5 WITH SHARED NEUTRAL & CKT 7 WITH DEDICATED NEUTRAL.

CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS

CONDUIT RUN CONCEALED BELOW FLOOR OR UNDERGROUND

3/4" - 2 #12 & 1 #12 CU GND

3/4" - 2 #12 & 1 #12 CU GND

3/4" - 3 #12 & 1 #12 CU GND

3/4" - 4 #12 & 1 #12 GND

3/4" - 5 #12 & 1 #12 GND

3/4" - 6 #12 & 1 #12 GND

3/4" - 2 #10 & 1 #10 GND

3/4" - 3 #10 & 1 #10 GND

3/4" - 4 #10 & 1 #10 GND

3/4" - 5 #10 & 1 #10 GND

3/4" - 6 #10 & 1 #10 GND

CONDUIT STUB, CAP AND IDENTIFY FLEXIBLE CONDUIT CONNECTION. SEE PLAN.

LIGHTING FIXTURE SYMBOLS

2'X4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE W/OUTLET BOX (RECESSED, SURFACE MOUNTED)

2'X4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE BRANCH CIRCUIT

2'X2' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE W/OUTLET BOX (RECESSED, SURFACE MOUNTED)

CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE WITH 4S OUTLET BOX (RECESSED, SURFACE MOUNTED)

FLUORESCENT LIGHT FIXTURE WITH INTEGRAL 90 MINUTE EMERGENCY BATTERY PACK WITH 4S OUTLET BOX. (RECESSED, SURFACE MOUNTED)

SURFACE MOUNTED FLUORESCENT STRIP LIGHTING FIXTURE WITH 4S BOX

CEILING SURFACE MOUNTED LIGHTING FIXTURE WITH OUTLET BOX

CEILING RECESSED DOWNLIGHT FIXTURE

CEILING RECESSED WALL WASH DOWNLIGHT FIXTURE

TRACK LIGHTING (TRIANGLES INDICATE # OF HEADS)

EXIT SIGN WITH OUTLET BOX

ARROW DENOTES DIRECTIONAL CHEVRON

EXIT SIGN, END MOUNT ON WALL, WITH OUTLET BOX.

SHADING DENOTES FACE OF EXIT SIGN.

EMERGENCY LIGHTING UNIT WITH OUTLET BOX.

EXIT-EMERGENCY LIGHTING UNIT COMBO WITH OUTLET BOX.

PENDANT MOUNTED LIGHT FIXTURE WITH OUTLET BOX.

PART 12-CALIFORNIA REFERENCE STANDARDS CODE 2013 EDITION

PARTIAL LIST OF NFPA STANDARDS:

NFPA 13- AUTOMATIC SPRINKLER SYSTEM,	2013 EDITION
NFPA 14- STANDPIPE SYSTEMS,	2013 EDITION
NFPA 17A- WET CHEMICAL SYSTEMS,	2013 EDITION
NFPA 20- STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2013 EDITION
NFPA 24- PRIVATE FIRE MAINS,	2013 EDITION
NFPA 70- NATIONAL ELECTRICAL CODE	2014 EDITION
NFPA 72- NAT. FIRE ALARM & SIGNALING CODE (CALIFORNIA AMENDED)	2013 EDITION
NFPA 72- NATIONAL FIRE ALARM & SIGNALING CODE	2013 EDITION
NFPA 96- STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS	2014 EDITION

## APPLICABLE CODES AND REGULATIONS

CALIFORNIA CODE OF REGULATIONS (C.C.R.), TITLE 24 (APPLIES AFTER JULY 1, 2014);

PART 1-CALIFORNIA BUILDINGS STANDARD ADMINISTRATIVE CODE	2013 EDITION
PART 2-CALIFORNIA BUILDING CODE	2013 EDITION
PART 3-CALIFORNIA ELECTRICAL CODE	2013 EDITION
PART 4-CALIFORNIA MECHANICAL CODE	2013 EDITION
PART 5-CALIFORNIA PLUMBING CODE	2013 EDITION
PART 6-CALIFORNIA ENERGY CODE	2013 EDITION
PART 7-NO LONGER PUBLISHED	
PART 8-CALIFORNIA HISTORICAL BUILDING CODE	2013 EDITION
PART 9-CALIFORNIA FIRE CODE	2013 EDITION
PART 10-CALIFORNIA EXISTING BUILDING CODE	2013 EDITION
PART 11-CALIFORNIA GREEN BUILDING STANDARDS CODE	2013 EDITION

GENERAL ELECTRICAL NOTES

SCOPE: THE DRAWINGS AND THESE GENERAL NOTES DESCRIBE THE SCOPE OF WORK AND SYSTEMS. THE MATERIAL AVAILABLE FOR THE WORK SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. THE MATERIAL SPECIFICALLY NOTED OTHERWISE. THE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING PRINCIPAL SYSTEMS AND EQUIPMENT.

PERMITS AND CHARGES: OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY REGULATIONS HAVING JURISDICTION.

REGULATIONS AND CODES: PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, CALIFORNIA ADMINISTRATIVE CODE TITLE 24, AND OTHER CODES AND REGULATIONS HAVING JURISDICTION. THE CONTRACTOR SHALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND MANUFACTURERS RECOMMENDATIONS.

VERIFYING EXISTING CONDITIONS: BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING SITE. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.

COORDINATION: COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT. ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE VERIFIED.

SERVICE CONTINUITY: UNINTERRUPTED EXISTING ELECTRICAL POWER SHALL BE MAINTAINED TO OTHER TRADES FOR TEMPORARY POWER AREAS OF THE SITE DURING CONSTRUCTION. PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. IDENTIFY AT BID TIME, ALL WORK TO BE DONE ON PREMIUM TIME AND THE TOTAL OVERTIME MAN-HOURS REQUIRED FOR COMPLETION.

AS BUILT: PROVIDE RECORD DRAWINGS TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL BE SIGNED AND DATED BY CONTRACTOR PRIOR TO RELEASE OF FINAL RETENTION OF ALL MATERIALS.

MARK PROJECT RECORD DOCUMENTS DAILY TO INDICATE ALL CHANGES MADE IN THE FIELD.

A) IN ADDITION TO GENERAL REQUIREMENTS OF PROJECT RECORD DRAWINGS, INDICATE ON DRAWINGS, CHANGES OF EQUIPMENT LOCATIONS AND RATINGS, TRIP SIZES, AND SETTINGS ON CIRCUIT BREAKERS, ALTERATIONS IN RACEWAY RUNS AND SIZES, CHANGES IN WIRE SIZES, CIRCUIT DESIGNATIONS, INSTALLATION DETAILS, ONE-LINE DIAGRAMS, CONTROL DIAGRAMS AND SCHEDULES.

USE GREEN TO INDICATE DELETIONS AND RED TO INDICATE ADDITIONS.

A) USE THE SAME SYMBOLS AND FOLLOW THE SAME DRAFTING PROCEDURES USED ON THE CONTRACT DRAWINGS.

LOCATE UNDERGROUND CONDUIT STUBBED-OUT FOR FUTURE USE. UNDERGROUND FEEDER CONDUITS, AND FEEDER PULL BOX LOCATIONS USING BUILDING LINES BY INDICATING ON THE PROJECT RECORD DRAWINGS. AT THE COMPLETION OF UNDERGROUND CONDUIT INSTALLATION, PROVIDE UNDERGROUND CONDUIT RECORD DOCUMENTS TO OWNER'S REPRESENTATIVE.

TWO COPIES, IN BINDER FORM, OF ALL TEST RESULTS AS REQUIRED BY THESE DOCUMENTS.

TWO COPIES OF LOCAL AND/OR STATE CODE ENFORCING AUTHORITIES FINAL INSPECTION CERTIFICATES.

FIRE ALARM SYSTEM RECORDS AND TESTING REPORTS AS OUTLINED IN NFPA 72, CHAPTER 10.

TWO COPIES, IN BINDER FORM, OF ELECTRICAL EQUIPMENT OUT SHEETS, MANUFACTURER'S INSTALLATION INSTRUCTIONS, WARRANTY CERTIFICATES, AND PRODUCT LITERATURE FOR ALL PRODUCTS UTILIZED ON PROJECT.

GUARANTEE: CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.

SHOP DRAWINGS: SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR FOR CONFORMANCE PRIOR TO SUBMITTAL.

SUBMIT SIX SETS OF SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASING ALL BREAKER MOUNTING HARDWARE, DISCONNECT SWITCHES, FUSES, CONTROLLERS, LIGHTING FIXTURES, LIGHT SWITCHES, RECEPTACLES, ETC.

CONTRACTOR BID: CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID IN WRITING. ALL SUBSTITUTIONS SHALL BE REVIEWED BY THE ENGINEER IN WRITING. SUCH REVIEW SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR ANY CHARGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS/HER OWN WORK, THE OWNER, ENGINEER OF RECORD OR THE WORK OF OTHER CONTRACTORS.

MATERIAL AND INSTALLATION: ALL MATERIALS SHALL BE NEW AND LISTED BY UNDERWRITERS LABORATORY (U.L.). ALL MATERIALS SHALL CONFORM TO THE LATEST RULING TO THE LATEST RULING OF THE UNDERWRITERS ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.

CONDUITS: CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH U.L.-1. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSHINGS SHALL BE INSTALLED ON ALL COMMUNICATION, TELEPHONE & SPEAKER CONDUITS. PROVIDE 3/16" NYLON PULL STRING IN ALL EMPT CONDUITS. NO MC, BX, OR AG90 SHALL BE PERMITTED.

SWITCHES AND RECEPTACLES: PROVIDE 20 AMP NEMA RATED SWITCHES AND RECEPTACLES OF SPECIFICATION GRADE. ALL SWITCHES SHALL BE RATED 120 AND/OR 277 VOLT AND RECEPTACLES SHALL BE NEMA 5-20R. IN ALL OFFICES AND OFFICE AREAS, DEVICES SHALL BE DECORA TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS REPRESENTATIVE.

FEEDERS AND BRANCH CIRCUIT IDENTIFICATION: IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, LOAD END, AND IN PULL BOXES WITH E-Z CODE OR OTHER APPROVED WIRE MARKER. IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS. THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-Z CODE FOR IDENTIFICATION OF CONDUCTORS. IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET.

CONDUCTORS: DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER, TRADE NAME AND THE DATE OF MANUFACTURE. CONDUCTORS MUST BE MANUFACTURED WITHIN 6 MONTHS. PROVIDE COPPER CONDUCTORS #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. USE CONDUCTORS WITH THIN/THIN 600 VOLTS INSULATION, UNLESS OTHERWISE NOTED.

PANELBOARDS: DISTRIBUTION AND LIGHTING PANELBOARDS WITHIN PROJECT AREA SHALL BE OF THE COPPER BUS THREE PHASE, FOUR WIRE, DISTRIBUTED PHASING TYPE. CIRCUITING SHALL BE ARRANGED AS NEARLY AS POSSIBLE, AN EVENLY BALANCED LOAD ON ALL PHASES. PANELBOARDS SHALL BE BOLT-ON CIRCUIT BREAKER TYPE. AVAILABLE FAULT CURRENT IS STATED ON PANELBOARD SCHEDULE. PROVIDE PANEL IDENTIFICATION NAMEPLATE (ENGRAVED ON -ADHESIVE 1/2" MINIMUM LETTERS) AND TYPEWRITTEN LIST OF CIRCUITS IN THE DIRECTORY FRAME.

STRUCTURAL SUPPORT: EACH SECTION OF FLOOR MOUNTED SWITCHBOARD, DISTRIBUTION BOARD, MCC, ETC. SHALL BE BOLTED TO THE CONCRETE HOUSEKEEPING PAD USING (8) 3/4"-10 GRADE 2 BOLTS AND CONICAL WASHERS TORQUED TO 70LB-FT. PROVIDE MINIMUM 4000 PSI STRENGTH CONCRETE BELOW ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. THE TOP OF ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE IN A SEISMICALLY APPROVED MANNER.

DEMOLITION: NOTIFY THE OWNER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, AND WHICH IS NOT INDICATED ON THE PLANS.

1. ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY THE OWNER, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.

2. ALL DEVICES, CIRCUIT CONDUCTORS, FEEDERS, ETC., WHEN NOTED TO BE REMOVED, SHALL BE REMOVED TO THE LAST ACTIVE DEVICE. ALL OVER-CURRENT PROTECTION AND DISCONNECT DEVICES NO LONGER UTILIZED BUT REMAINING AS LAST ACTIVE DEVICE SHALL BE LABELED AS "SPARE". COORDINATE ALL OUTGAGES WITH OWNER'S REPRESENTATIVE.

EXECUTION: CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINES AS MUCH AS POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THE WORK UNDER THIS CONTRACT.

1.) EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.

ABBREVIATIONS

A OR AMP	AMPERES	MCC	MOTOR CONTROL CENTER
AL	ALTERNATING CURRENT	MCH	THOUSAND CIRCULAR MILS
AF	AMP FRAME/AMP FUSE	MCP	MOTOR CIRCUIT PROTECTOR
ARC	AVAILABLE FAULT CURRENT	MFR	MOTOR MANUFACTURER
ARCH	ARCHITECTURAL	MGR	MOTOR GENERATOR
AS	ABOVE FINISHED FLOOR	MH	MANHOLE
AT	AMP TRIP	MISC	MISCELLANEOUS
ATF	ABOVE FINISHED GRADE	MTO	MOUNTED
AUTO	AUTOMATIC	MUN	MOUNTING
AV	AMERICAN WIRE GAUGE	N	NOT
AWG	AUTOMATIC WIRE SWITCH	NO	NORMALLY CLOSED
BOARD	BOARD	NR	NORMALLY OPEN
BKR	BREAKER	N.T.S.	NOT TO SCALE
BND	BUILDING	PA	PUBLIC ADDRESS
CB	CIRCUIT BREAKER	PH OR #	PHASE
CBC	CALIFORNIA BUILDING CODE	PRI	PRIMARY
CIC	CIRCUIT	POLY	POLYMER CHLORIDE
CLO	CEILING	PWR	POWER
COM	COMMUNICATION	REMOVED	REMOVED
COMM	CALIFORNIA ELECTRICAL CODE	RIG	RIGID
CEC	CALIFORNIA FIRE CODE	RIG	RIGID GALVANIZED STEEL CONDUIT
DA OR #	DIAMETER	SCHD	SCHEDULE
DISC	DISCONNECT	SEC	SECONDARY
DISC	DO NOT SWITCH	SPC	SPECIFICATION
DWG	DRAWING	UNSW	UNSWITCHED
FLA	FIRE ALARM CONTROL PANEL	TR	TRANSFORMER
GA	GAUGE	UN	UNLESS OTHERWISE NOTED
GC	GENERAL CONTRACTOR	UN	UNDERGROUND
GND	GROUND	V	VOLT
HD	HIGH INTENSITY DISCHARGE	VA	VOLT-AMPERE
IS	ISOLATED GROUND	VLD	VOLTAGE DROP
JUN	JUNCTION BOX	W	WAIT
KV	KILOVOLT-AMPERE	W/	WEATHERPROOF
KVA	KILOVOLT-AMPERE	W	EXISTING
LCL	LONG CONTINUOUS LOAD	W	THREE POLE
LFL	LIGHT FLEXIBLE METAL CONDUIT	W	AT
LIT	LIGHTING		
MAG	MAGNET, MAGNETIC		
MAX	MAXIMUM		

## U.L. STANDARD 486B TORQUING RECOMMENDATIONS

WIRE SIZE	TIGHTENING TORQUE FOR SCREWS (a) TORQUE, POUND - INCHES				HEXAGONAL HEAD/EXTERNAL DIE SOCKET WRENCH	
	SLOTTED HEAD NO. 10 AND LARGER (b)		SLOT LENGTH (IN.)		SPLIT-BOLT CONNECTORS	OTHER CONNECTORS
	TO 3/64	OVER 3/64	TO 1/4	OVER 1/4		
18-10 AWG	20	35	20	35	80	75
8	25	40	25	40	80	75
6	35	45	35	45	165	110
4	-	45	-	45	165	110
2	-	50	-	50	150	150
1	-	50	-	50	275	150
2	-	50	-	50	275	150
1/0	-	50	-	50	385	180
2/0	-	50	-	50	385	180
3/0	-	50	-	50	500	250
4/0	-	50	-	50	500	250
250 kcmil	-	50	-	50	650	325
300	-	50	-	50	650	325
350	-	50	-	50	650	325
400	-	50	-	50	825	325
500	-	50	-	50	825	375
600	-	50	-	50	1000	375
700	-	50	-	50	1000	375
750	-	50	-	50	1000	375
800	-	50	-	50	1100	500
900	-	50	-	50	1100	500
1000	-	50	-	50	1100	500
1250	-	-	-	-	1100	600
1500	-	-	-	-	1100	600
1750	-	-	-	-	1100	600
2000	-	-	-	-	1100	600

THIS TABLE GIVES RECOMMENDED CONNECTOR INSTALLING TORQUES FOR COPPER AND ALUMINUM CONDUCTORS. THEY ARE FOR GUIDANCE ONLY WHERE NO TIGHTENING INFORMATION IS AVAILABLE AND SHOULD NOT BE USED TO REPLACE MANUFACTURER'S INSTRUCTIONS WHICH SHOULD ALWAYS BE FOLLOWED.

- (a) CLAMPING SCREWS WITH MULTIPLE TIGHTENING MEANS: FOR EXAMPLE FOR A SLOTTED HEXAGONAL HEAD SCREW, USE THE HIGHEST TORQUE VALUE ASSOCIATED WITH THE DIFFERENT TIGHTENING MEANS.
- (b) FOR VALUES OF SLOT WIDTH OR LENGTH OTHER THAN THOSE SPECIFIED, SELECT THE LARGEST TORQUE VALUES ASSOCIATED WITH CONDUCTOR SIZE.

## CEC ART. 310 CONDUCTOR DERATING

NEC #310.15 (b)(2)(a) ADJUSTMENT FACTORS

NUMBER OF CURRENT-CARRYING CONDUCTORS		PERCENT OF VALUES IN TABLES ADJUSTED FOR AMBIENT TEMPERATURE IF NECESSARY	
4 THROUGH 6	80	4 THROUGH 6	80
7 THROUGH 9	70	10 THROUGH 20	50
10 THROUGH 20	50	21 THROUGH 30	45
31 THROUGH 40	45	41 AND ABOVE	35

WHERE SINGLE CONDUCTORS OR MULTICONDUCTOR CABLES ARE STACKED OR BUNDLED LONGER THAN 24 INCHES (610 mm) WITHOUT MAINTAINING SPACING AND ARE NOT INSTALLED IN RACEWAYS, THE ALLOWABLE AMPLACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE ABOVE TABLE.

EXCEPTION NO. 1: WHERE CONDUCTORS OF DIFFERENT SYSTEMS, AS PROVIDED IN SECTION 300-3, ARE INSTALLED IN A COMMON RACEWAY OR CABLE, THE DERATING FACTORS SHOWN ABOVE SHALL APPLY TO THE NUMBER OF POWER AND LIGHTING (ARTICLES 210, 215, 220, AND 230) CONDUCTORS ONLY.

EXCEPTION NO. 2: FOR CONDUCTORS INSTALLED IN CABLE TRAYS, THE PROVISIONS OF SECTION 392.11 SHALL APPLY.

EXCEPTION NO. 3: DERATING FACTORS SHALL NOT APPLY TO CONDUCTORS IN NIPPLES HAVING A LENGTH NOT EXCEEDING 24 INCHES (600mm).

EXCEPTION NO. 4: DERATING FACTORS SHALL NOT APPLY TO UNDERGROUND CONDUCTORS ENTERING OR LEAVING AN OUTDOOR TRENCH IF THOSE CONDUCTORS HAVE PHYSICAL PROTECTION IN THE FORM OF RIGID RACEWAY, INTERMEDIATE METAL CONDUIT, OR RIGID NONMETALLIC CONDUIT HAVING A LENGTH NOT EXCEEDING 10 FEET (3.05m) ABOVE GRADE AND THEN NUMBER OF CONDUCTORS DOES NOT EXCEED FOUR.

CEC WIRE FILL TABLE 370-16		MAXIMUM NUMBER OF CONDUCTORS						
JUNCTION BOX DIMENSION, INCHES TRADE SIZE OR TYPE	MIN. CU. IN. CAP.	NO. 14	NO. 12	NO. 10	NO. 8	NO. 6		
4 x 1-1/4 ROUND OR OCTAGONAL	12.5	6	5	5	4	2		
4 x 1-1/2 ROUND OR OCTAGONAL	15.5	7	6	6	5	3		
4 x 2-1/8 ROUND OR OCTAGONAL	21.5	10	9	8	7	4		
4 x 1-1/4 SQUARE	18.0	9	8	7	6	3		
4 x 1-1/2 SQUARE	21.0	10	9	8	7	4		
4 x 2-1/8 SQUARE	30.3	15	13	12	10	6		
4-11/16 x 1-1/4 SQUARE	25.5	12	11	10	8	5		
4-11/16 x 1-1/2 SQUARE	29.5	14	13	11	9	5		
4-11/16 x 2-1/8 SQUARE	42.0	21	18	16	14	8		
3 x 1-1/2 DEVI	7.5	3	3	3	2	1		
3 x 2 x 1-1/2 DEVI	10.5	5	4	4	3	2		
3 x 2 x 2-1/4 DEVI	10.5	5	4	4	3	2		
3 x 2 x 2-1/2 DEVI	12.5	6	5	5	4	2		
3 x 2 x 3-3/4 DEVI	14.0	7	6	5	4	2		
3 x 2 x 3-1/2 DEVI	18.0	9	8	7	6	3		
4 x 2-1/8 x 1-1/2 DEVI	10.5	5	4	4	3	2		
4 x 2-1/8 x 1-1/8 DEVI	13.0	6	5	5	4	2		
4 x 2-1/8 x 2-1/8 DEVI	14.5	7	6	5	4	2		
3-3/4 x 2 x 2-1/2 MASONRY BOX, GANG	14.0	7	8	5	4	2		
3-3/4 x 2 x 2-1/2 MASONRY BOX / GANG	21.0	10	9	8	7	4		
FS - MINIMUM INTERNAL DEPTH 1-3/4 SINGLE COVER / GANG	13.5	6	6	5	4	2		
FD - MINIMUM INTERNAL DEPTH 2-3/2 SINGLE COVER / GANG	18.0	9	8	7	6	3		
FS - MINIMUM INTERNAL DEPTH 1-3/4 MULTIPLE COVER / GANG	18.0	9	8	7	6	3		
FD - MINIMUM INTERNAL DEPTH 2-3/8 MULTIPLE COVER / GANG	24.0	12	10	9	8	4		



**GENERAL:**  
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A COMPLETE AND OPERABLE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF THE EQUIPMENT AND THE LATEST NATIONAL ELECTRICAL CODE AND ALL LOCALLY ADOPTED AMENDMENTS, INCLUDING BUT NOT NECESSARILY LIMITED TO THE FOLLOWING:  
CALIFORNIA ELECTRICAL CODE—LATEST EDITION  
1. CALIFORNIA ADMINISTRATIVE CODE, TITLE 24  
2. CALIFORNIA ADMINISTRATIVE CODE, TITLE 19 FIRE CODE  
3. UNDERWRITERS LABORATORY  
4. AMERICAN NATIONAL STANDARD INSTITUTE  
5. NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION)  
6. ALL OTHER APPLICABLE STATE, LOCAL LAWS AND REGULATIONS

WHERE THESE SPECIFICATIONS CALL FOR A HIGHER STANDARD THAN THE ABOVE-MENTIONED RULES, THE SPECIFICATIONS SHALL GOVERN.  
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ALL WORK IN ACCORDANCE WITH STAMPED PLANS APPROVED BY THE ELECTRICAL DIVISION OF THE DEPARTMENT OF BUILDING AND SAFETY.

PRIOR TO CONTRACTOR SUBMITTING HIS/HER BID, HE/SHE SHALL VISIT THE JOB SITE TO BECOME COMPLETELY FAMILIAR WITH ALL ASPECTS OF THE NEW CONSTRUCTION AND ALL REQUIREMENTS THAT MAY BE IMPOSED BY THE OWNER. FAILURE TO DO THIS WILL BE CONSIDERED BY ANY FINANCIAL OBLIGATION FOR EXTRA WORK OR COST INCURRED BY THE CONTRACTOR. CONTRACTOR SHALL TAKE NOTICE OF ALLOWABLE WORK HOURS, ON-SITE STORAGE FACILITIES, AND AVAILABLE PARKING AND INCLUDE THIS IN HIS/HER BID.  
ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.

ACCURATE RECORD DRAWINGS SHALL BE MAINTAINED AND PRESENTED TO THE OWNER AND ELECTRICAL ENGINEER AT THE TIME OF OCCUPANCY PERMIT.

THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL HIS/HER WORK FOR ONE YEAR AFTER ACCEPTANCE AND FURNISH ALL MANUFACTURER WARRANTIES FOR THE EQUIPMENT HE/SHE FURNISHES.  
THE CONTRACTOR SHALL INSTALL ALL ELECTRICAL EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER. ELECTRICAL EQUIPMENT SHALL BE FIRMLY SECURED TO THE SURFACE ON WHICH IT IS MOUNTED.

SHOP DRAWINGS SHALL BE SUBMITTED ON ALL MAJOR PIECES OF ELECTRICAL EQUIPMENT, INCLUDING SERVICE-ENTRANCE EQUIPMENT, LIGHTING FIXTURES, PANELBOARDS, SWITCHES, WIRING DEVICES, AND PLATES, AND EQUIPMENT FOR MISCELLANEOUS SYSTEMS. EACH ITEM OF EQUIPMENT PROPOSED SHALL BE A STANDARD CATALOG PRODUCT OF AN ESTABLISHED MANUFACTURER. THE SHOP DRAWING SHALL CONTAIN COMPLETE INFORMATION EQUIPMENT, INCLUDING THE MANUFACTURER'S NAME, MODEL NUMBER, AND ALL OTHER INFORMATION INDICATING THE INTENDED SERVICE OF THE MATERIAL, THE JOB NAME, AND THE ELECTRICAL CONTRACTOR'S NAME.

WHERE EQUIPMENT IS IDENTIFIED BY MANUFACTURER AND CATALOG NUMBER, IT SHALL BE CONSTRUED AS THE BASE OF REQUIREMENTS FOR QUALITY AND PERFORMANCE. WHERE MANUFACTURERS FOR EQUIPMENT ARE IDENTIFIED BY NAME, THE ELECTRICAL CONTRACTOR MAY SUBMIT FOR APPROVAL, SIMILAR EQUIPMENT BY OTHER MANUFACTURERS AS SUBSTITUTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT SUPPORTING DATA TO PERMIT EVALUATION OF THE PROPOSED SUBSTITUTE WITH RESPECT TO QUALITY, PERFORMANCE, SERVICEABILITY, AND WARRANTY. THE ENGINEER'S DECISION AS TO WHETHER THE SUBMITTED EQUIPMENT IS ACCEPTABLE SHALL BE FINAL AND BINDING.

ALL CHANGES NECESSARY TO ACCOMMODATE THE SUBSTITUTED EQUIPMENT SHALL BE MADE AT THE CONTRACTOR'S EXPENSE, AND SHALL BE AS APPROVED BY THE ENGINEER. DETAILED DRAWINGS INDICATING THE REQUIRED CHANGES SHALL BE SUBMITTED FOR APPROVAL AT THE TIME THE SUBSTITUTION IS REQUESTED.

IF SUBSTITUTIONS ARE MADE IN LIEU OF THE LIGHTING FIXTURES SPECIFIED, PHOTOMETRIC PERFORMANCE, FORM, DIMENSION, DESIGN AND PROFILE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

AT COMPLETION OF WORK, THIS CONTRACTOR SHALL CLEAN UP AND REMOVE ALL DEBRIS AND MATERIALS NOT INSTALLED IN WORK, DISPOSE IN AN ENVIRONMENTALLY APPROVED MANNER, LEAVING PREMISES CLEAN.

ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY CONSTRUCTION SERVICE IF REQUIRED FOR THIS PROJECT TO MAINTAIN ESSENTIAL SERVICES DURING CIRCUIT CUT-OVER PERIODS.

SECURE PERMISSION FROM THE OWNER BEFORE PERFORMING ANY CUTTING OR PATCHING WORK WHICH IS LIKELY TO AFFECT THE STRENGTH OF A STRUCTURAL MEMBER. ALL PENETRATIONS THROUGH CONCRETE CONSTRUCTION SHALL BE DONE BY THE MEANS DEVISED BY ARCHITECT.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL EQUIPMENT AND WIRING AS REQUIRED AND AS INDICATED ON THE ELECTRICAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS. SEE MECHANICAL DRAWINGS FOR EXACT EQUIPMENT LAYOUTS AND REQUIREMENTS INCLUDING SIZES, VOLTAGES, CONTROL WIRING, CONTROL DEVICES TO BE FURNISHED AND/OR INSTALLED, LOCATIONS AND OTHER REQUIREMENTS.

CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS AND ROUTING SHALL BE DETERMINED IN THE FIELD TO SUIT CONDITIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE AND OBTAIN APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATIONS OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY APPROVED AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD (AS-BUILT) DRAWINGS.

ALL MATERIAL AND EQUIPMENT SHALL BE NEW, UL LISTED, APPROVED BY THE LOCAL JURISDICTION AND, UNLESS OTHERWISE NOTED, SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. EQUIPMENT EXPOSED TO WEATHER SHALL BE UL LISTED WEATHERPROOF.

ALL MOTORS OR EQUIPMENT LOCATED OUT OF SIGHT OR MORE THAN 50 FEET FROM AN ELECTRICAL PANEL, SHALL HAVE HORSEPOWER RATED DISCONNECTS INSTALLED AT THE MOTOR EQUIPMENT.

ALL REQUIRED POWER OUTAGES THAT ARE NECESSARY IN ORDER TO COMPLETE ANY PORTION OF THE WORK SHALL BE ENTIRELY AT THE OWNER'S CONVENIENCE AND AT A TIME DESIGNATED BY HIM/HER AND BE FULLY COORDINATED WITH THE OWNER'S REPRESENTATIVE. A MINIMUM OF 48 HOURS OF ADVANCED NOTICE SHALL BE GIVEN TO THE OWNER OF TIME DESIRED. OWNER SHALL APPROVE TIME OF OUTAGE BEFORE THIS CONTRACTOR DISCONNECTS ANY CIRCUITS. CONTRACTOR SHALL FURNISH, INSTALL, AND REMOVE ANY TEMPORARY JUNCTIONS ETC. TO MAINTAIN THE CABLE LOADS THAT THE OWNER DESIGNATES AS NOT BEING ABLE TO SHUT DOWN DURING CONSTRUCTION.

SHOULD ANY CONDITIONS EXIST THAT DIFFER FROM WHAT IS INDICATED ON THESE DRAWINGS THAT CAUSE DEVIATIONS IN THE WORK SHOWN, THE CONTRACTOR SHALL IN A TIMELY MANNER SO NOT TO IMPAIR THE CONSTRUCTION SCHEDULE OR SEQUENCE OF EVENTS, SUBMIT A WRITTEN REPORT OF THE CONDITIONS FOUND TO THE OWNER'S REPRESENTATIVE FOR APPROPRIATE DIRECTION ON HOW TO COMPLETE THE WORK IN QUESTION.

PRIOR TO START OF INSTALLATION THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF EACH OUTLET AND DEVICE WITH THE OWNER'S REPRESENTATIVE. THE OWNER RESERVES THE RIGHT TO RELOCATE ANY OUTLET OR DEVICE UP TO 8 FEET FROM THE LOCATION INDICATED ON THE PLANS AT NO ADDITIONAL COST.

ALL FEEDER LENGTHS INDICATED ON SINGLE LINE DIAGRAMS OR FEEDER SCHEDULE ARE FOR VOLTAGE DROP PURPOSES ONLY AND ARE NOT TO BE USED FOR MATERIAL TAKE-OFF OR BIDDING PURPOSES.

COORDINATE ALL EXIT SIGN LOCATIONS WITH THE LOCAL FIRE MARSHAL PRIOR TO BEGINNING WORK.

THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS TO VERIFY DIMENSIONS, CLEARANCES, OBSTRUCTIONS, TYPE OF CONSTRUCTION, DOOR SWINGS, SINK AND SPLASH-BACK DIMENSIONS AND BATH MIRRORS, TO CLEAR SWITCHES AND RECEPTABLES PRIOR TO INSTALLATION.

WHERE ACCESS PANELS FOR ACCOMMODATING ELECTRICAL WORK ARE LOCATED AND/OR SIZED ON THESE DRAWINGS, OR DRAWINGS PREPARED UNDER SEPARATE DIVISIONS OF THE WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RE-SIZE AND/OR PROVIDE SUFFICIENT ACCESS PANELS FOR THE CONDITIONS, WHERE INSUFFICIENT SPACE EXISTS TO ACCOMMODATE LARGER ACCESS PANELS. A SUITABLE ALTERNATIVE IS TO MOUNT THE ELECTRICAL COMPONENTS TO THE BACKSIDE OF THE HINGED DOOR WITH AN APPROPRIATELY SIZED AND CODE APPROVED FLEXIBLE FITTING, THIS ALLOWING ACCESS TO ELECTRICAL COMPONENTS FROM THE OCCUPIED SPACE IN LIEU OF THE ATTIC.

WHERE ELECTRICAL RACEWAYS ARE INSTALLED THROUGH 2 TO 4-HOUR RATED FLOORS OR WALLS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE FITTINGS APPROVED BY THE LOCAL AUTHORITIES FOR THE INTENDED PURPOSE AND APPLICATION. FITTINGS SHALL SEAL TIGHT THE INTERIOR AND EXTERIOR OF EACH RACEWAY PENETRATION TO PROHIBIT FIRE PASSING FROM ONE AREA TO ANOTHER, WHERE EXISTING CONDUITS ARE INSTALLED FOR FUTURE USE, THE CONTRACTOR SHALL PROPERLY SEAL THE CONDUIT TO SEAL WITH PROVISIONS INDICATED ABOVE. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW THE PROPOSED FITTINGS TO BE USED AND DETAILS REQUIRED FOR THE INSTALLATION. THE INSTALLATION SHALL NOT BE COMPLETED UNTIL FINAL APPROVAL HAS BEEN RECEIVED FROM THE ARCHITECT TO PROCEED.

AS A CONDITION FOR FURNISHING MATERIAL TO THIS PROJECT, THE MANUFACTURERS AND SUPPLIERS AGREE TO DEFEND, HOLD HARMLESS, AND TO INDEMNIFY OWNER, ARCHITECT, ELECTRICAL ENGINEER, AND ALL RELATED SUBSIDIARIES AGAINST ANY LIABILITY ARISING OUT OF PRODUCT FAILURE OR MANUFACTURING DEFECT OF THE EQUIPMENT THEY FURNISH.

#### DEMOLITION:

THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OF THE NECESSARY DEMOLITION WORK REQUIRED TO ACCOMMODATE THE REMODELING WITHIN THE VARIOUS PROJECT AREAS. RESTORE CONTINUITY OF ALL EXISTING CIRCUITING THAT IS TO REMAIN THAT BECOMES DISTURBED AS A RESULT OF THE WORK PERFORMED DURING CONSTRUCTION. FURNISH ALL LABOR AND MATERIALS TO REROUTING CIRCUITRY TO REMAIN, CONCEAL FROM VIEW IN PUBLIC AREAS AND MAINTAIN ALL CODE REQUIRED CLEARANCES AND ACCESSIBILITY. FIELD VERIFY ALL CONDITIONS AND REQUIREMENTS PRIOR TO STARTING WORK. WHERE EXISTING CONDUITS BECOME EXPOSED AS A RESULT OF THE NEW WORK, CONTRACTOR SHALL REMOVE AS REQUIRED TO SUIT CONDITIONS TO CONCEAL SUCH CONDUIT FROM VIEW IN ALL PUBLIC AND BACK OF HOUSE AREAS.

ALL WIRING WITHIN EXISTING OUTLETS ARE TO BE RE-IDENTIFIED WITH EASY-MARKERS TO REFLECT THE NEW CIRCUIT DESIGNATIONS WHERE REWORK OR EXISTING IS REQUIRED TO COMPLETE NEW WORK.

ALL EXISTING ELECTRICAL EQUIPMENT AND MATERIAL THAT IS REMOVED AS A PART OF THIS WORK SHALL BE DELIVERED TO OWNER AT A LOCATION ON THE PROPERTY THAT HE/SHE DESIGNATES.

WHERE EXISTING OUTLETS, AFFECTED BY THE NEW WORK ARE TO BE ABANDONED, REMOVE EXISTING OUTLET AND WIRING, CUT OFF AND PLUG EXISTING CONDUIT. WHERE THERE IS A POSSIBILITY TO REUSE A PORTION OF THE EXISTING CONDUIT SYSTEM, EXTEND EXISTING CONDUIT TO NEAREST ACCESSIBLE LOCATION AND PROVIDE JUNCTION BOX WITH SATISFAE COVER. COORDINATE EXTENT OF THIS WORK WITH OWNER'S REPRESENTATIVE.

#### WIRE AND CABLES:

ALL WIRING SHALL BE COPPER, MINIMUM SIZE #12-4WG. USE THIN IN DRY LOCATIONS ONLY AND THIN IN WET LOCATIONS. ALL FIXED ELECTRICAL APPLIANCES SHALL BE WIRED IN APPROVED ENCLOSURES. ALL FINAL FLEX CONDUIT CONNECTIONS TO ANY EQUIPMENT SHALL INCLUDE SUFFICIENT SLACK IN FLEX TO MOVE WITH THE EQUIPMENT.

COLOR CODE SECONDARY SERVICE, FEEDER AND BRANCH CIRCUIT CONDUCTORS WITH FACTORY APPLIED COLOR AS FOLLOWS:

208Y/120 VOLTS	PHASE	480Y/277 VOLTS
BLACK	A	BROWN
RED	B	ORANGE
BLUE	NEUTRAL	YELLOW
WHITE	GROUND	GREEN

#### TERMINAL CABINETS

TERMINAL CABINETS SHALL BE FLUSH OR SURFACE MOUNTED AS INDICATED WITH HINGED DOORS AND LOCK. MATCH PANEL BOARD LOCK. EXTERIOR FINISH TO BE SAME AS FOR PANEL BOARDS. PROVIDE 3/4" PLYWOOD BACKING INSIDE OF CABINET. PROVIDE PROPER NUMBER OF TERMINAL ACCESSIBLE AREAS AS REQUIRED.

PROVIDE FLAT MOUNT TERMINAL BLOCKS MOUNTED ON PLYWOOD BACKING INSIDE TERMINAL CABINETS FOR CONDUCTOR TERMINATION. PROVIDE QUANTITY OF TERMINAL BLOCKS FOR EACH SYSTEM AS REQUIRED. TERMINAL BLOCKS SHALL BE KULKA STANDARD 600-800A SERIES AS MANUFACTURED BY MARATHON SPECIAL PRODUCTS.

PROVIDE A BAKEITE NAMEPLATE FASTENED WITH SCREWS TO THE FACE OF EACH TERMINAL CABINET WHICH WILL IDENTIFY IT.

#### MATCH PANEL KEY

PROVIDE CIRCUIT DIRECTORY AND HOLDER ON INSIDE OF DOOR WITH ONE LINE FOR EACH CONDUCTOR ENTERING AND EACH CONDUCTOR LEAVING CABINET.

#### UNDERGROUND HANDHOLES AND BOXES:

INSTALL HANDHOLES AND BOXES LEVEL AND PLUMB AND WITH ORIENTATION AND DEPTH COORDINATED WITH CONNECTING CONDUITS TO MINIMIZE BENDS AND DEFLECTIONS REQUIRED FOR PROPER ENTRANCES.

UNLESS OTHERWISE INDICATED, SUPPORT UNITS ON A LEVEL BED OF CRUSHED STONE OR GRAVEL, GRADED FROM 1/2 INCH SIEVE TO NO. 4 SIEVE AND COMPACTED TO SAME DENSITY AS ADJACENT UNDISTURBED EARTH.

ELEVATION: IN PAVED AREAS, SET SO COVER SURFACE WILL BE FLUSH WITH FINISHED GRADE. SET COVERS OF OTHER ENCLOSURES 1 INCH ABOVE FINISHED GRADE.

INSTALL HANDHOLES WITH BOTTOM BELOW FLOOR LINE, BELOW GRADE.

INSTALL REMOVABLE HARDWARE, INCLUDING PULLING EYES, CABLE STANCHIONS, CABLE ARMS, AND INSULATORS, AS REQUIRED FOR INSTALLATION AND SUPPORT OF CABLES AND CONDUCTORS AND AS INDICATED. SELECT ARM LENGTHS TO BE LONG ENOUGH TO PROVIDE SPARE SPACE FOR FUTURE CABLES BUT SHORT ENOUGH TO PRESERVE ADEQUATE WORKING CLEARANCES IN ENCLOSURE.

FIELD-CUT OPENINGS FOR CONDUITS ACCORDING TO ENCLOSURE MANUFACTURER'S WRITTEN INSTRUCTIONS. CUT WALL OF ENCLOSURE WITH A TOOL DESIGNED FOR MATERIAL TO BE CUT. SIZE HOLES FOR TERMINATING FITTINGS TO BE USED, AND SEAL AROUND PENETRATIONS AFTER FITTINGS ARE INSTALLED.

#### CONDUCTOR IDENTIFICATION & INSTALLATION

THE DRAWINGS INDICATE THE ARRANGEMENT OF OUTLETS ON EACH BRANCH CIRCUIT AND THE CIRCUIT TAGS SHOW THE NUMBER OF THE CIRCUIT, AND THE BOARD TO WHICH IT WILL BE CONNECTED. CIRCUITS INDICATED WITH THE SAME NUMBERS SHALL BE CONNECTED TO THE SAME BREAKER ON THE PANEL BOARD.

ALL FEEDERS AND BRANCH CIRCUITS SHALL BE TAGGED IN ALL PULL BOXES AND IN THE GUTTERS OF ALL PANELS TO WHICH THEY CONNECT.

ALL WIRING SHALL BE INSTALLED WITH IDENTIFIED NEUTRAL CONDUCTORS.

NO WIRE SHALL BE INSTALLED UNTIL ALL WORK OF OTHER CONTRACTORS THAT MIGHT CAUSE INJURY TO THE SAID WIRE HAS BEEN COMPLETED. CARE SHALL BE USED TO PULL WIRES TO INSURE THAT NO DAMAGE OCCURS TO THE INSULATION. POWDERED SOAPSTONES OR WIRE DRESS SHALL BE USED FOR PULLING IN WIRES.  
IN MAKING THE CONNECTION OF ALL BRANCH CIRCUITS TO THE TERMINALS OF SWITCHES, BASE PLUGS, ETC., THE WIRES SHALL BE LOOPEO AROUND THE BINDING SCREWS OR BE FITTED WITH CONNECTING LUGS. AT THE CEILING OUTLETS, THE CONTRACTOR SHALL LEAVE NOT LESS THAN 6" OF FREE ENDS ON EACH WIRE FOR CONNECTIONS TO THE FIXTURES.

NO SPLICES SHALL BE PERMITTED EXCEPT IN OUTLET BOXES, AND IN PANEL BOARD GUTTERS.

SWITCHES AND RECEPTABLES SHALL BE SECURELY FASTENED TO THE OUTLET BOX. WHERE THE OUTLET BOX COVERS ARE BACK OF THE FINISH WALLS THE SWITCH OR RECEPTABLE SHALL BE BUILT OUT FROM THE SAME WITH WASHERS SO THAT IT IS RIGIDLY HELD IN PLACE TO THE BOX. THE FLOATING OF ANY SWITCH OR RECEPTABLE WILL NOT BE PERMITTED.  
ALL SIGNAL AND COMMUNICATIONS CONDUCTORS SHALL BE IDENTIFIED IN TERMINAL CABINETS AS TO TYPE OF SYSTEM, E.G.: CLOCK, BELL, FIRE ALARM, ETC. AS WELL AS THE LOCATION OF THE OTHER END OF THE CONDUCTOR BY ROOM NUMBER OR NAME, AS DIRECTED BY THE OWNER. IDENTIFICATION SHALL BE BY NUMBERS AT TERMINAL STRIPS AND A NUMBERED DIRECTORY IN A CARD HOLDER INSIDE THE TERMINAL CABINET.

FIRE ALARM SYSTEM WIRING SHALL BE COLOR-CODED AS FOLLOWS:

INITIATING DEVICES - TWO YELLOW WIRES, TWO ORANGE WIRES.

NOTIFICATION DEVICES - TWO BLACK WIRES, TWO RED WIRES.

TELECOMMUNICATION SYSTEM WIRING SHALL BE COLOR-CODED GREEN AND YELLOW.

SECURITY SYSTEM WIRING SHALL BE COLOR-CODED BLUE AND YELLOW.

ALL POWER WIRING #6 GAUGE AND SMALLER SHALL BE FACTORY COLOR CODED. FOR LARGER THAN #6, MARK CONDUCTORS ON EACH END AND AT ALL JUNCTION AND/OR PULL BOXES WITH A 1" BAND OF COLORED PRESSURE-SENSITIVE PLASTIC TAPE. FOR ISOLATED GROUND WIRES, MARK WITH A 1" BAND OF GREEN TAPE, FOLLOWED BY A 1" BAND OF YELLOW TAPE, FOLLOWED BY A 1" BAND OF GREEN TAPE. COLORS FOR EACH PHASE AND THE NEUTRAL SHALL BE CONSISTENT THROUGHOUT THE SYSTEM.

THE WHITE OR GRAY CONDUCTOR SHALL BE THE NEUTRAL AT EACH OUTLET. CONDUCTORS HAVING WHITE, GRAY OR GREEN COVERING SHALL NOT BE USED TO INDICATE OTHER THAN NEUTRAL OR GROUNDING; THIS LIMITATION APPLIES TO ALL POWER, LIGHTING, AND CONTROL CIRCUITS.

INSTALLATION OF CONDUCTORS SHALL BE MADE IN A NEAT AND WORKMANLIKE MANNER TO MEET CODE REQUIREMENTS AND SHALL BE RUN CONTINUOUS WITHOUT WELD, SPlice OR JOINT BETWEEN BOXES. DO NOT INSTALL WIRES IN CONDUIT UNLESS THE ENTIRE SYSTEM OF CONDUIT AND OUTLET BOXES ARE PERMANENTLY IN PLACE. ALL CONDUCTORS SHALL BE PULLED USING A U.L. APPROVED WIRE LUBRICANT.

MAKE ALL TERMINATIONS AT MOTORS USING 3M SERIES 5300 MOTOR LEAD/CABLE SPLICING KITS. MAKE CONNECTION PER 3M WRITTEN INSTALLATION PROCEDURES.

ON ALL BOLTED ELECTRICAL CONNECTIONS, THE CONTRACTOR SHALL USE BELVILLE WASHERS.

ALL WIRING TO BE NEATLY BUNDLED AND TIED WITH NYLON CORD OR PLASTIC STRAPS.

SPLICES IN UNDERGROUND BOXES SHALL BE MADE WITH CRIMP ON COMPRESSION CONNECTORS AND INSULATED WITH HEAT SHRINK SLEEVES OR WITH SPLICE KITS LISTED BY THE MANUFACTURER FOR WET LOCATIONS. WIRE NUTS ARE NOT PERMITTED.

#### FIRE-RATED AREAS

WHERE CONDUIT, CABINETS, OR BOXES PENETRATE FIRE RATED CEILINGS, WALLS OR FLOORS PROVIDE A FIRE RATED ENCLOSURE OR FIRE STOP. RATING OF THE MOTOR OR OF THE MOTOR TERMINAL SHALL MATCH OR EXCEED RATING OF AREA PENETRATED. VERIFY LOCATION OF FIRE RATED AREAS WITH ARCHITECTURAL DRAWINGS.

WHERE OUTLET BOXES ARE RECESSED ON OPPOSITE SIDE OF A FIRE RATED WALL, BOXES SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES. WHERE OPENING FOR STEEL ELECTRICAL OUTLET BOXES EXCEED 15 SQ. INCHES IN AREA, OR AN AGGREGATE OF MORE THAN 100 SQ. INCHES FOR ANY 100 SQ. FEET OF WALL OR PARTITION AREA, FIRE STOPPING IS REQUIRED.

PENETRATIONS IN WALLS, FLOOR OR CEILINGS REQUIRING PROTECTED OPENINGS SHALL BE FIRE-STOPPED. FIRE-STOPPING SHALL BE OF AN APPROVED MATERIAL, SECURELY INSTALLED AND CAPABLE OF MAINTAINING ITS INTEGRITY WHEN SUBJECTED TO THE TIME-TEMPERATURE CURVE OF STATE FIRE MARSHAL STANDARD 12-43-3 AND STANDARD 12-43-1. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTION AUTHORITY AND KEPT AT THE JOB SITE.

#### WIRING DEVICES:

SINGLE-POLE SWITCHES SHALL BE 20 AMPERES, 120/277 VOLT, AC, SIDE AND BACK WIRED, HUBBELL CAT. #HBL-1221-W, OR EQUAL BY G.E., PASS & SEYMOUR, OR LEVITON, VERIFY FINISH COLOR WITH ARCHITECT.

THREE-WAY SWITCHES SHALL BE 20 AMPERES, 120/277 VOLT, AC, SIDE AND BACK WIRED, HUBBELL CAT. #HBL-1223-W, OR EQUAL BY G.E., PASS & SEYMOUR, OR LEVITON, VERIFY FINISH COLOR WITH ARCHITECT.

DUPLEX RECEPTABLES FOR 120 VOLT, SINGLE-PHASE SERVICE TO BE RATED 20 AMPERES, 125 VOLT, BACK AND SIDE WIRED, 2-WIRE (NEMA 5-20R) GROUNDING TYPE, VERIFY FINISH COLOR WITH ARCHITECT, HUBBELL CAT. #HBL8300 OR EQUAL BY PASS & SEYMOUR, G.E., LEVITON.

DOUBLE DUPLEX RECEPTABLES (4-POLE): TO BE SAME AS DUPLEX RECEPTABLES. TWO DUPLEX RECEPTABLES IN 4" X 4" OUTLET BOX WITH ONE TWO-GANG FACELATE. LEVITON, PASS & SEYMOUR, G.E., OR HUBBELL.

ALL DEVICE PLATES SHALL BE OF THE UNBREAKABLE PLASTIC TYPE, MANUFACTURED BY PASS & SEYMOUR, LUTRON, LEVITON, G.E., OR HUBBELL AND VERIFY FINISH COLOR WITH ARCHITECT. DEVICE PLATES FOR EQUIPMENT, STORAGE, KITCHEN, AND LABORATORY AREAS SHALL BE STAINLESS STEEL.

OUTLETS AND DEVICES SHALL BE SET RIGID, PLUMB, FASTENED SECURELY; WHERE CONCEALED, SET FLUSH WITH FINISH SURFACE.  
WIRING CONNECTIONS: CURL WIRE AROUND TERMINAL SCREWS AND TIGHTEN FIRMLY. SNAP-IN, PRESSURE-TYPE TERMINALS ARE NOT ACCEPTABLE.

Q1/QO1-WAY RECEPTABLES FOR 120 VOLT, SINGLE-PHASE SERVICE TO BE RATED 20 AMPERES, 125 VOLT, BACK AND SIDE WIRED, 2-WIRE (NEMA 5-20R) GROUNDING TYPE, VERIFY FINISH COLOR WITH ARCHITECT, HUBBELL CAT. #QFR8300H.

ALL RECEPTABLE AND SWITCH COVER PLATES SHALL CLEARLY INDICATE, WITH PERMANENT BLACK MARKER ON THE INSIDE OF THE PLATE, THE CIRCUIT NUMBER AND THE SOURCE OF POWER FEEDING THAT SWITCH OR RECEPTABLE.

ALL LIGHTING CONTROLS SHALL BE +48" TO +36" AND WITHIN SIGHT OF LIGHTING FIXTURES. CAC-24.

ALL CONVENIENCE RECEPTABLES SHALL BE +15". CAC-24.

ALL HEATING AND COOLING CONTROLS SHALL BE +48". CAC-24.

#### LIGHTING:

ALL LIGHTING FIXTURES SHALL BE U.L. LISTED.

PROVIDE LIGHTING FIXTURES WHERE INDICATED ON PLANS AND AS INDICATED IN LIGHT FIXTURE SCHEDULE. LAMPS SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL INCLUDE IN HIS/HER BID ALL LABOR AND MATERIAL TO INSTALL ALL LIGHT FIXTURES, INCLUDING THOSE FURNISHED BY THE OWNER. PROVIDE 1-1/2" CEILING SPACERS FOR FLUORESCENT FIXTURES WHERE REQUIRED.

ALL RECESSED LIGHTING FIXTURES SHALL HAVE JUNCTION BOXES APPROVED FOR THE NUMBER OF CONDUCTORS REQUIRED. BOXES MAY BE LOCATED IN NEARBY ACCESSIBLE AREAS SUCH AS STORAGE ROOMS, EQUIPMENT ROOMS, CLOSETS, ACCESSIBLE CEILING SPACES, OR IN REMOTE AREAS AS APPROVED, BUT NOT VISIBLE TO PUBLIC.

PROVIDE LENSED LIGHTING FIXTURES WITH LENSES OF 100K PURE VIRGIN ACRYLIC.

PROJECT SHALL BE BID WITH LIGHTING FIXTURES AND OTHER EQUIPMENT AS SPECIFIED ON PLANS. SUBSTITUTIONS SHALL BE LISTED AS ALTERNATE.

WHERE THERE IS INSUFFICIENT SPACE FOR A SPECIFIED RECESSED FIXTURE, PROVIDE EITHER A MORE SHALLOW FIXTURE AS APPROVED, OR A SURFACE MOUNTED FIXTURE OF EQUAL QUALITY AND SIMILAR PHYSICAL APPEARANCE TO MATCH OTHER FIXTURES IN THE SAME AREAS AND AS APPROVED.

PROVIDE ALL NECESSARY SUPPORTS FOR LIGHTING FIXTURES AS REQUIRED. WHERE FIXTURES ARE INSTALLED ON OR IN SUSPENDED CEILINGS, SECURE FIXTURES TO CEILING FRAME SYSTEM AND PROVIDE FIXTURE SUPPORTS INDEPENDENT OF THE CEILING SUSPENSION SYSTEM. AS REQUIRED, PROVIDE PENDANT FIXTURES WITH SWIVEL HANGER, LEGALLY APPROVED FOR WEIGHT SUPPORTED AND FOR EARTHQUAKE COMPLIANCE. WHEN INSTALLED, ALL PENDANT FIXTURES INCLUDING CONTINUOUS FLUORESCENT ROWS SHALL SWING A MINIMUM OF 20" IN ANY DIRECTION.

RECESSED FIXTURES IN FIRE RATED CEILINGS AND SUPPLY AIR PLenums SHALL BE EITHER APPROVED FOR THE FIRE RATINGS OF THE CEILING, OR SHALL BE FULLY ENCLOSED IN A FIRE RATED HOUSING ACCEPTABLE TO LEGAL AUTHORITIES. SEAL ALL OPENINGS AS REQUIRED TO ELIMINATE AIR LEAKS.

COORDINATE LOCATION OF ALL LIGHTING FIXTURES WITH THE EXISTING CONDITIONS PRIOR TO STARTING WORK. PROVIDE MOUNTING METHOD AS REQUIRED BY CEILINGS AND FIXTURES TO BE INSTALLED.

ALL LIGHTING FIXTURES SHOWN AND SPECIFIED ON THE ELECTRICAL DRAWINGS AS WELL AS THOSE REFLECTED ON THE ARCHITECTURAL INTERIOR DESIGN OR OTHER DRAWINGS PREPARED UNDER OTHER DIVISIONS OF WORK SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE STATED.

#### CONDUIT:

CONDUIT INSTALLED WITHIN CONCEALED AREAS MAY BE EMT OR RIGID STEEL. IN EXPOSED AREAS SUBJECT TO CONDUIT DAMAGE, ONLY RIGID STEEL OR RIGID PVC CONDUIT SHALL BE USED. ALL CONDUIT IN FINISHED AREAS SHALL BE CONCEALED. A MAXIMUM OF 4" OF CONDUIT AND WIRE SHALL BE SOLAR EXPOSED.

ALL CONDUITS INSTALLED UNDERGROUND SHALL BE A MINIMUM OF 1". UNDERGROUND CONDUITS SHALL BE PVC, SCHEDULE 40 ELECTRICAL CONDUIT, AS MANUFACTURED BY CARLON OR EQUAL, UNLESS OTHERWISE NOTED.  
CONDUITS SHOWN ON THE DRAWINGS HAVE BEEN SIZED BASED ON METALLIC RACEWAYS UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR MAY OPT TO USE SCHEDULE 40 PVC WHERE PERMITTED BY CODE AND THE OWNER. IF PVC IS USED, ELECTRICAL CONTRACTOR SHALL SIZE ALL SUCH CONDUITS AS REQUIRED TO INCLUDE GROUND CONDUCTOR, AND SHALL SIZE GROUND WIRE PER CODE. PVC RACEWAYS SHALL NOT BE INSTALLED ABOVE GRADE. ALL FLEX CONDUITS SHALL INCLUDE A GROUNDING CONDUCTOR SIZED PER THE NEC.

ALL PVC UNDERGROUND CONDUITS SHALL UTILIZE COATED OR WRAPPED RIGID STEEL ELBOWS AND RISERS WHEN RISING ABOVE GRADE, EXCEPT IN AREAS NOT SUBJECT TO MECHANICAL DAMAGE AND WITH PRIOR APPROVAL FROM THE ELECTRICAL ENGINEER. MAINTAIN A MINIMUM OF 6" CLEARANCE BETWEEN ALL CONDUIT SLEEVES. VERIFY WITH GENERAL CONTRACTOR.

THE ELECTRICAL CONTRACTOR SHALL PROVIDE EXPANSION/DEFLECTION FITTINGS FOR CONDUITS CROSSING EXPANSION JOINTS. FITTINGS SHALL BE SUITABLE FOR CONDITIONS TO BE ENCOUNTERED. VERIFY WITH OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.

PARKING LOT CONDUITS SHALL HAVE A MINIMUM COVER OF 24".

A CONCEALED CONDUIT SYSTEM SHALL BE INSTALLED FOR ALL INTERIOR WIRING INCLUDING CONTROLS. CONDUIT SHALL BE RUN CONTINUOUS BETWEEN OUTLETS, ETC., AND WITH THE MINIMUM NUMBER OF BENDS.

CONDUIT RUNS FOR CIRCUITS OPERATING OVER 600V SHALL HAVE A GROUNDING BUSHING INSTALLED AT EACH TERMINATION.

ALL CONDUIT RUNS ON ROOF AND UP TO TEN FEET ABOVE FINISH GRADE SHALL BE GALVANIZED RIGID STEEL CONDUIT WITH THREADED COUPLINGS AND CONNECTORS.

PVC 40 OR RIGID STEEL FACTORY WRAPPED WITH PVC TAPE SHALL BE USED FOR UNDERGROUND RUNS.

WHERE UNDERGROUND CONDUIT CANNOT BE RUN BELOW BUILDING FOOTINGS THE CONTRACTOR SHALL PROVIDE PVC-80 SLEEVES THROUGH THE FOOTINGS. CONTRACTOR SHALL OBTAIN APPROVAL FOR ALL SLEEVE SIZES AND LOCATIONS WITH THE STRUCTURAL ENGINEER BEFORE INSTALLATION.

ALL CONDUIT RISERS THROUGH SLAB SHALL BE RIGID STEEL OR IMC (FACTORY WRAPPED WITH PVC TAPE OR WITH FACTORY APPLIED PVC COATING) AND SHALL EXTEND A MINIMUM OF FOUR INCHES (4") ABOVE FINISHED FLOOR.

ALL CONDUIT SHALL BE DELIVERED TO THE SITE OF CONSTRUCTION IN THEIR ORIGINAL BUNDLES. EACH LENGTH OF CONDUIT SHALL BEAR THE LABEL OF THE NATIONAL BOARD OF FIRE UNDERWRITERS. ALL CONDUIT SUBJECT TO ROUGH USAGE WHILE ON THE JOB BEFORE INSTALLATION AND NOT APPROVED BY THE ARCHITECT SHALL BE REMOVED FROM THE PREMISES UPON NOTICE.

CONDUIT INSTALLED IN MASONRY WALLS SHALL BE RIGID STEEL GALVANIZED CONDUIT OR PVC, NOT IN THE SAME MASONRY CELL AS THE BUILDING STRUCTURAL REINFORCING STEEL.

THE JOINTS IN ALL CONDUITS INSTALLED UNDER CONCRETE SLABS ON THE GROUND, OR UNDERGROUND, OR EXPOSED TO THE WEATHER, SHALL BE MADE LIQUID AND GAS-TIGHT. ALL UNDERGROUND CONDUIT OUTSIDE OF THE BUILDINGS SHALL BE BURIED TO A DEPTH OF NOT LESS THAN 24" BELOW FINISH GRADE. UTILITY SERVICES SHALL COMPLY WITH UTILITY COMPANY REQUIREMENTS. TWO OR MORE POWER OR TELECOMMUNICATIONS CONDUIT RUNS INSTALLED IN A COMMON TRENCH SHALL BE SEPARATED HORIZONTALLY BY AT LEAST FOUR INCHES (4"). TWO OR MORE POWER AND TELECOMMUNICATIONS CONDUIT RUNS INSTALLED IN A COMMON TRENCH SHALL BE SEPARATED HORIZONTALLY BY AT LEAST TWELVE (12") ELECTRICAL CONDUIT RUNS INSTALLED IN A COMMON TRENCH WITH OTHER UTILITY LINES SHALL BE SEPARATED HORIZONTALLY FROM SUCH LINES BY AT LEAST TWELVE INCHES (12").

CHANGES IN DIRECTION SHALL BE MADE WITH CONDUIT SWEEP ELBOWS OR LONG RADIUS BENDS MADE ON THE JOB. WHERE TWO OR MORE CONCENTRIC ARCS.

ALL JOINTS IN CONDUIT SHALL BE MADE WITH STANDARD COUPLING. IN MAKING JOINTS, CONDUITS MUST BE TRULY AND ACCURATELY CUT AND THREADED (WHERE APPLICABLE) WITH STRAIGHT THREAD, SMOOTHLY REAMED AND SQUARELY BUTTED. ALL CONDUIT SHALL BE KEPT DRY AND DIRT FREE DURING CONSTRUCTION. USING PLASTIC CAPS OR CONDUIT FENIES HELD IN PLACE WITH CONDUIT BUSHINGS. SHOULD DIRT OR MOISTURE COLLECT IN ANY CONDUIT, THE CONTRACTOR SHALL SWAB THEM OUT TO THE SATISFACTION OF THE ARCHITECT.

CONDUITS ENDING AT THE MOTORS SHALL BE CARRIED AS CLOSE AS POSSIBLE TO THE TERMINAL BLOCKS MAKING ALLOWANCE FOR THE MOVEMENT OF THE MOTORS WHEN THEY ARE EQUIPPED WITH SLIDE RAILS. THE CONNECTION BETWEEN THE CONDUIT TERMINALS ON THE MOTOR AND THE CONDUIT SHALL BE MADE WITH LIQUID-TIGHT FLEXIBLE CONDUIT USING THE PROPER FITTINGS.

ALL CONDUITS WHERE THEY ENTER PANEL BOXES, PULL BOXES, OR OUTLET BOXES SHALL BE SECURED IN PLACE BY GALVANIZED LOCKNUTS - ONE (1) LOCKNUT INSIDE OF BOX. AN INSULATED THROAT SHALL BE USED WHERE CONDUCTORS ARE #4 OR LARGER.

WHERE CONDUITS ARE RUN EXPOSED, THE SAME SHALL BE INSTALLED STRAIGHT AND TRUE WITH REFERENCE TO THE ADJACENT CONSTRUCTION.

CONDUIT 1" AND ABOVE SHALL HAVE INSULATED THROAT BUSHINGS.

ANY CONDUIT INSTALLED UNDER BUILDING SHALL BE UNDER THE SLAB.

ALL BOXES FOR BRACKET OUTLETS SHALL BE EQUIPPED WITH 3/8" "NO-BOLT" FIXTURE STUD. THESE BOXES SHALL BE SO SET THAT WHEN IN PLACE THE FIXTURE SHALL BE AT RIGHT ANGLES TO THE CEILING OR WALLS.

ALL EMPTY CONDUIT SHALL BE EQUIPPED WITH A #12 GALVANIZED IRON PULL WIRE OR NYLON PULL ROPE CONTINUOUS FROM OUTLET TO OUTLET.

FLEXIBLE CONDUIT WILL BE PERMITTED FOR CONNECTING LIGHTING FIXTURES TO JUNCTION BOXES.

FIXABLE CONNECTION IN OUTDOOR AND DAMP LOCATIONS SHALL BE FLEXIBLE LIQUID-TIGHT METAL CONDUIT.

INSTALL ROOF JACKS FOR THIS CONSTRUCTION IN ACCORDANCE WITH OTHER SECTIONS OF THIS SPECIFICATION.

THE MAXIMUM ALLOWED LENGTH OF FLEX CONDUIT AT EQUIPMENT CONNECTIONS IS 18".

EXPANSION JOINTS FOR CONDUIT SHALL BE PROVIDED WHERE REQUIRED TO COMPENSATE FOR THERMAL EXPANSION AND CONTRACTION.

NO CONDUIT SMALLER THAN 1/2 INCH ELECTRICAL TRADE SIZE SHALL BE USED.

#### OUTLET, PULL BOXES & JUNCTION BOXES:

JUNCTION BOXES AND OUTLET BOXES SHALL BE SIZED PER CODE, BUT IN NO CASE LESS THAN THE FOLLOWING: OUTLETS WITH (9) OR LESS #12 CONDUCTORS SHALL BE 4"x5" x 2-1/2"D AND OUTLETS WITH (10) THROUGH (16) CONDUCTORS SHALL BE 4-11/16"x5" x 2-1/8"D.

ALL JUNCTION BOXES SHALL CLEARLY INDICATE WITH PERMANENT BLACK MARKER, IN 1/2" LETTERING, THE CIRCUIT NUMBERS AND THE SOURCE OF POWER OF ALL CONDUCTORS CONTAINED WITHIN THAT JUNCTION BOX. OUTLETS FOR THE ATTACHMENT OF THE FIXTURES TO BE PROVIDED WITH 3/8" WALLEABLE IRON FIXTURE STUDS AND BOX HANGERS WHERE REQUIRED.

TELEPHONE OUTLETS SHALL BE DOUBLE GANG BOX WITH SINGLE GANG 1-HOLE TELEPHONE COVER PLATE, UNLESS OTHERWISE NOTED ON DRAWINGS.  
TELEPHONE OUTLETS SHALL BE DOUBLE GANG BOX WITH SINGLE GANG 1-HOLE CUP COVER PLATE, UNLESS OTHERWISE NOTED ON DRAWINGS.

INTERIOR BOXES SHALL BE GALVANIZED STEEL, MANUFACTURERS: B & C METAL STAMPING, BRYANT, GENERAL ELECTRIC, LEVITON COMPANY, NORRIS STEEL CITY, CROUSE-HINDS, APLETON, RACO, CARLON.



1. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 811 TO LOCATE UNDERGROUND UTILITIES AT LEAST 2 WORKING DAYS PRIOR TO DIGGING. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.

- \_\_\_\_\_

**IBI GROUP**

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NO.	DATE	APPRD.	DESCRIPTION
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A circular professional engineer seal for the State of California. The outer ring contains the text "LICENSED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. The center of the seal contains the name "DALE FERRANTI" in a bold, sans-serif font. Below the name is the handwritten license number "E 17524" and the handwritten expiration date "EXP. 6/30/2017". The word "ELECTRICAL" is printed in a bold, sans-serif font at the bottom of the seal.

AGENCY TRACKING NO. 63321-155  
FILE NO. 15-6

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

03-117001

AC FLS *EV* SS *FLC*

DATE 4/20/16

PROJECT NO:	15178.000
DRAWN BY:	G. GARCIA
CHK'D BY:	D. FERRANTI
ISSUE DATE:	04/20/16

## SITE ELECTRICAL PLAN

## E2.0

BLDG 900A  
(N) CLASSROOM RELO.

BLDG 900  
(E) CLASSROOM


**BLDG 1000**  
**(E) CLASSROOM**

**BLDG 200  
(E) CLASSROOM**

**BLDG 1100  
(E) CLASSROOM**

**R28 - R32**  
**(E) CLASSRM RELO**

**R41 - R44**  
**(E) CLASSRM RELO.**



Know what's **below.**

**Call before you dig.**

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DALEFERRANTI@LIVE.COM

## CONSTRUCTION DOCUMENTS

PLOT DATE: 3/3/2016 1:22:13 PM J:\15178\_BC\_NicholsP15.9 Drawings\59arch\current\ATWsite\_2015-11-17\_Nichols.rvt

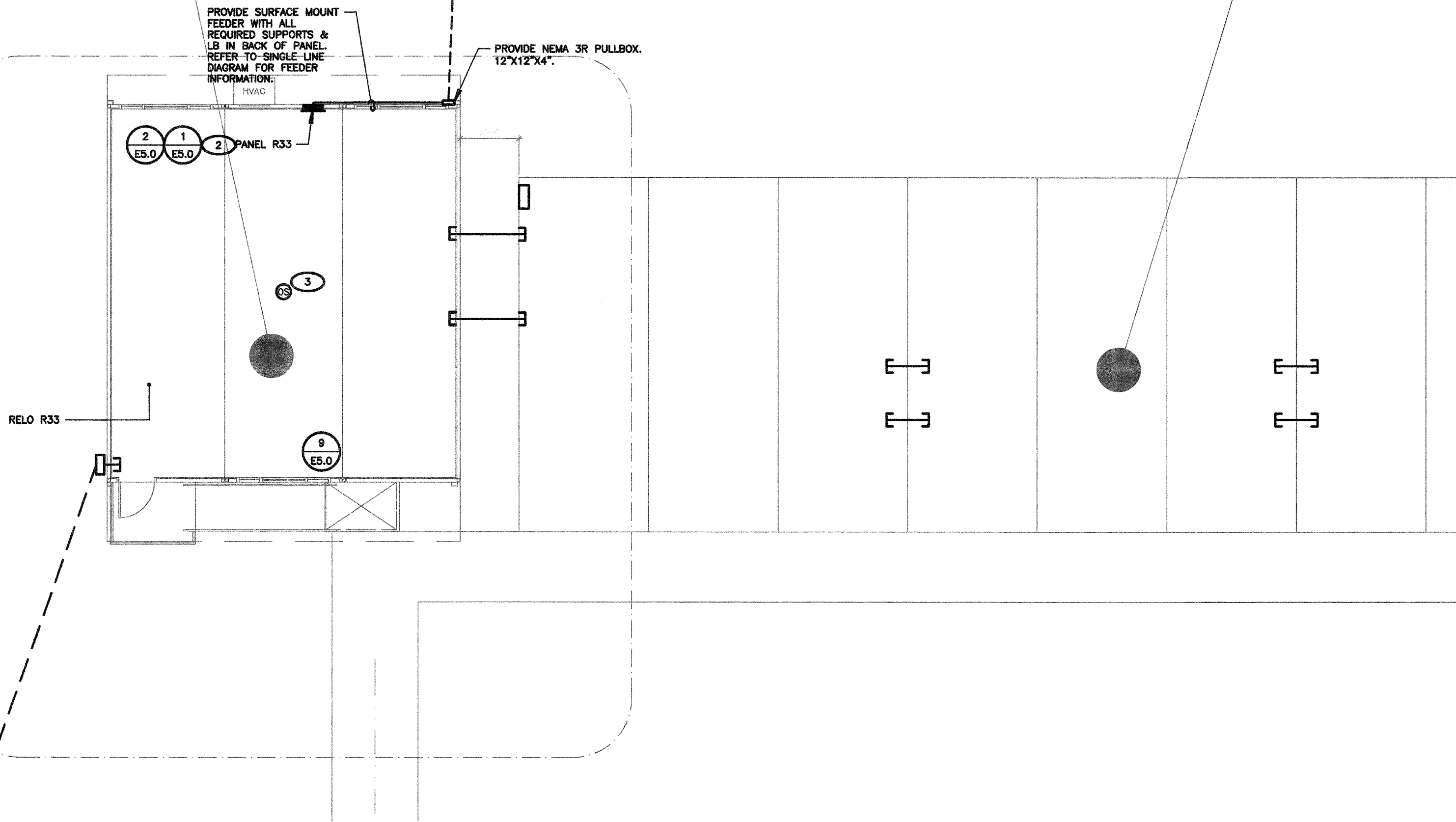


BLDG 900A  
(N) CLASSROOM RELO.

BLDG 900  
(E) CLASSROOM

V-N  
E-1

2  
A1.12



SHEET NOTES

1. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 811 TO LOCATE UNDERGROUND UTILITIES AT LEAST 2 WORKING DAYS PRIOR TO DIGGING. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
2. VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
3. FIELD VERIFY LOCATION ON ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. SCHEDULE AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
4. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
5. CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
6. ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
7. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SITE ELECTRICAL SERVICE REQUIREMENTS WITH SERVING UTILITY.
8. ALL SERVICE ENTRANCE EQUIPMENT SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL UTILITY COMPANY FOR APPROVAL, WITH WRITTEN APPROVAL RECEIVED PRIOR TO SUBMISSION TO ELECTRICAL ENGINEER FOR APPROVAL.
9. VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
10. MINIMUM CONDUIT BURIAL DEPTH IS 24", 36" MINIMUM BELOW STREETS AND PARKING LOTS. FOR 0-600 VOLT SYSTEMS.
11. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
12. 1" CONDUIT MINIMUM UNDERGROUND.
13. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
14. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
15. FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION. CONTRACTOR SHALL NOTIFY DISTRICT REPRESENTATIVE OF WORK BEING PERFORMED. COORDINATE WITH DISTRICT REPRESENTATIVE.
16. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRINGS.
17. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UTILITIES IN PLACE. CONTRACTOR, AT HIS SOLE EXPENSE, SHALL REPAIR ANY UTILITY SYSTEMS DAMAGED DURING CONSTRUCTION.

POWER PLAN KEY NOTES

(NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)

- 1 REFER TO SINGLE LINE DIAGRAM
- 2 BRANCH CIRCUIT LOAD CENTER PROVIDED BY MODULAR CLASSROOM MANUFACTURER. SEE MODULAR CLASSROOM SHOP DRAWINGS FOR PANEL SCHEDULE. VERIFY LOCATION & PROVIDE CONNECTION PER VENDOR'S SHOP DRAWINGS.
- 3 PROVIDE ALL NECESSARY WORK & MATERIALS IN ORDER TO INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT TO PROVIDE TITLE 24 COMPLIANT OCCUPANCY SENSOR CONTROL. PROVIDE ALL REQUIRED RELAYS, POWER PACKS, & SENSORS FOR A COMPLETE SYSTEM.



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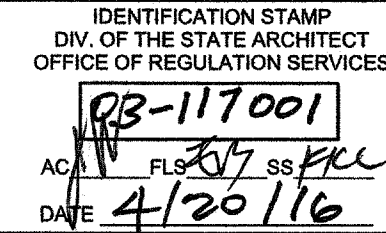
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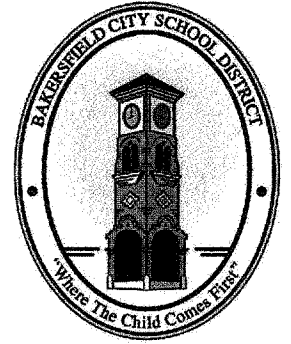


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AGENCY TRACKING NO. 63321-155  
FILE NO. 15-6



**BAKERSFIELD CITY SCHOOL DISTRICT**



**COLONEL NICHOLS  
ELEMENTARY SCHOOL  
30'X32' RELOCATABLE**  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

PROJECT NO:	15178.000
DRAWN BY:	G. GARCIA
CHKD BY:	D. FERRANTI
ISSUE DATE:	04/20/16
SHEET TITLE	

**PARTIAL SITE RELO  
POWER PLAN**

SHEET NUMBER

**E2.1**

**1 PARTIAL SITE RELO POWER PLAN**  
SCALE: 1/8"=1'-0"



SHEET NOTES

- CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 811 TO LOCATE UNDERGROUND UTILITIES AT LEAST 2 WORKING DAYS PRIOR TO DIGGING. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
- VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
- FIELD VERIFY LOCATION ON ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. SCHEDULE AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
- CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
- CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SITE ELECTRICAL SERVICE REQUIREMENTS WITH SERVING UTILITY.
- ALL SERVICE ENTRANCE EQUIPMENT SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL UTILITY COMPANY FOR APPROVAL WITH WRITTEN APPROVAL RECEIVED PRIOR TO SUBMISSION TO ELECTRICAL ENGINEER FOR APPROVAL.
- VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
- MINIMUM CONDUIT BURIAL DEPTH IS 24" 36" MINIMUM BELOW STREETS AND PARKING LOTS. FOR 0-600 VOLT SYSTEMS.
- PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
- 1" CONDUIT MINIMUM UNDERGROUND.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
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- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRING.
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SIGNAL PLAN KEY NOTES  
(NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)

- PROVIDE ALL NECESSARY WORK & MATERIALS IN ORDER TO SPLICE/CONNECT (N) FIBER TO EXISTING IDF.
- PROVIDE FLUSH CEILING MOUNT SPEAKER. DISTRICT STANDARD.
- PROVIDE (1) 12-PAIR (24 AWG) OSP INTERCOM CABLE TO REAX BOX & TERMINATE ON 66-BLOCK.
- PROVIDE J-HOOK SUPPORTS IN ORDER TO ROUTE THRU ACCESSIBLE CEILING SPACE.
- PROVIDE 1-1/2" CO. SLEEVE WITH BUSHINGS AT BOTH ENDS FOR FIBER.

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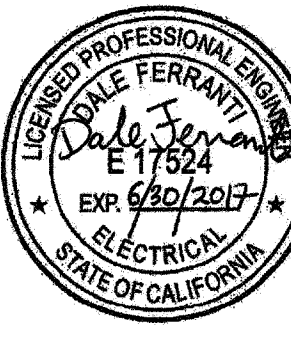
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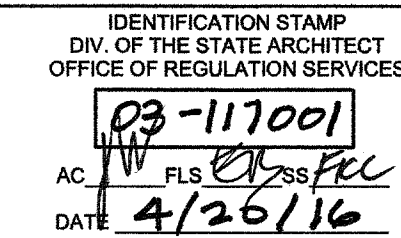
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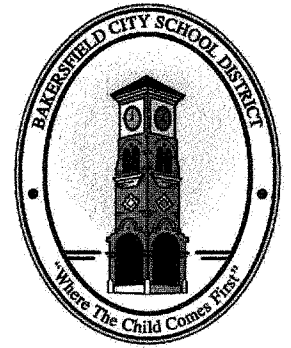


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PROJECT NO: 15178.000

DRAWN BY: G. GARCIA

CHK'D BY: D. FERRANTI

ISSUE DATE: 04/20/16

SHEET TITLE

**RELO SIGNAL PLAN**

SHEET NUMBER

**E2.2**



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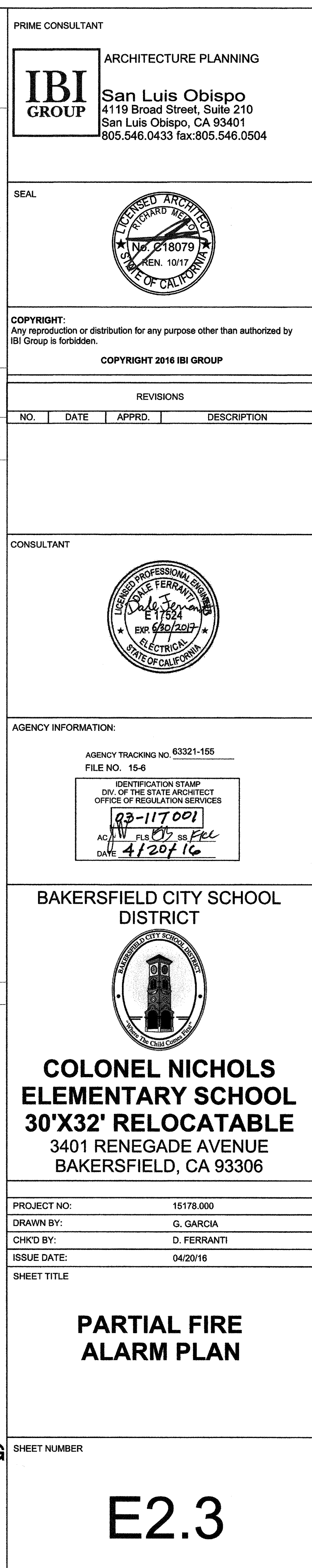
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# PARTIAL FIRE ALARM PLAN



SEQUENCE OF OPERATIONS																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1. MANUAL PULL STATIONS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2. SMOKE DETECTORS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3. FIRE ALARM SYSTEM AC POWER	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4. FIRE ALARM SYSTEM LOW BATTERY	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5. OPEN CIRCUIT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6. GROUND FAULT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8. HEAT DETECTORS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9. NOTIFICATION CIRCUIT SHORT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10.																	

SPEAKER CIRCUIT A2 LOAD = 15 WATTS  
SPEAKER CIRCUIT OPERATING VOLTAGE = 70V RMS  
APPROXIMATE LENGTH OF SPEAKER CIRCUIT A2 = 638 FEET  
REFER TO SPEAKER CIRCUIT WIRING GUIDELINES. A MAXIMUM SPEAKER CIRCUIT LENGTH OF 16,130 FEET IS ALLOWED FOR #16 AWG CONDUCTORS AT A 15W LOAD.

### 3 SPEAKER CIRCUIT WATTAGE AND CIRCUIT LENGTH INFORMATION

NOT TO SCALE

#### FORMULAS USED FOR CALCULATIONS:

FORMULA FOR BATTERY SIZING:  
FOR FACP/FAPS - 24 HOURS STANDBY & 15 MIN IN ALARM:  
AMP HOUR = 1.25 [(24 HOURS X I(S)) + (15/60 HOUR X I(A))] X 1.30  
FOR EVAC - 24 HOURS STANDBY & 15 MIN IN ALARM:  
AMP HOUR = 1.25 [(24 HOURS X I(S)) + (15/60 HOUR X I(A))] X 1.30  
WHERE:  
1.25 = BATTERY DERATING VALUE  
I(S) = TOTAL SUPERVISORY CURRENT (0 FOR NOTIFICATION DEVICES AND 48 mA FOR FCPS-24)  
I(A) = TOTAL ALARM CURRENT  
1.30 = 30% SPARE BATTERY CAPACITY

#### FORMULA FOR VOLTAGE DROP CALCULATIONS

TOTAL DC RESISTANCE = # OF WIRES X R<sub>dc</sub>/1000 X ONE-WAY LOOP LENGTH FROM POWER SUPPLY TO MIDDLE OF LOAD

TOTAL VD = TOTAL DC RESISTANCE X TOTAL ALARM CURRENT

MINIMUM VOLTAGE AT DEVICES = 20.4V - TOTAL VD

20.4V = MINIMUM VOLTAGE AT END OF USEFUL BATTERY LIFE (85% OF 24VDC)

NOTE:  
THE MANUFACTURER'S OPERATING VOLTAGE IS BETWEEN 16VDC AND 33 VDC (FOR 24VDC NOMINAL)

BCSD NICHOLS																	
VOLTAGE DROP CALCULATIONS																	
POWER SUPPLY #	LOCATED IN	LOOP TYPE & No.	DEVICES					WIRE		ONE-WAY LOOP LENGTH FROM POWER SUPPLY TO MIDDLE OF			TOTAL VD	VOLTAGE DROP	MINIMUM BATTERY SIZE	BATTERY SELECTED	BATTERY CALCS
			FA. BELL	DOOR HOLDER	HORN	STROBE (WALL)	STROBES (CEILING)	SIZE	DC RESIST. /1000'	TOTAL ALARM CURRENT	FEET	VOLTS					
			75cd	15cd	30cd	75cd	95cd	AWG	OHMS	AMPS							
			Alarm Current - I(a) (Amp)														
FACP	BLDG 1000	V1	0.03	0.02	0.028	0.180	0.120	0.272	0.318	12	1.93	1.140	481	2.028	8.45	SEE FACP	
		V2								12	1.93	1.380	317	1.684	6.93	BATTERY	
		SPARE															
		SP2 (24V)															
		SPARE															
		SPARE															
		SPARE															

## Application Drawing

APP-02  
0102R2

### Field Wiring Guidelines

**Wire Type:**  
The speaker circuits of most voice evacuation systems will typically be classified as power limited wiring. As such, these speaker circuits can be run with other fire alarm wiring without ill effects.

No special cabling is required for the speaker circuits. Standard FPL or FPLP wire is sufficient. Twisted pair or shielding twisted pair wiring is not necessary.

There is one exception, however. Certain addressable systems may generate extraneous noise from their addressable loop, and cannot be run using shielded cable. In this case, shielding of the evacuation speaker circuit will help to eliminate noise picked up by and heard in speakers during standby operation, and possible interference with the addressable loop.

**Wire Gauge:**  
Generally, #18 AWG will be adequate for speaker circuits. The only time that heavier wire is needed is when load is high, and wire runs are long. But remember, it never hurts to go with heavier wire. So if a #16 or #14 AWG pair is being pulled for strobes, it is often easier and less costly to pull the same wire for the evacuation speaker circuits.

The table below illustrates typical wire lengths for specific wire gauge and speaker load:\*

At 25VRMS Output:				
Power	#18 AWG	#16AWG	#14 AWG	#12AWG
10W	1,900	3,050	4,850	7,700
15W	1,280	2,030	3,230	5,140
25W	760	1,220	1,930	3,080

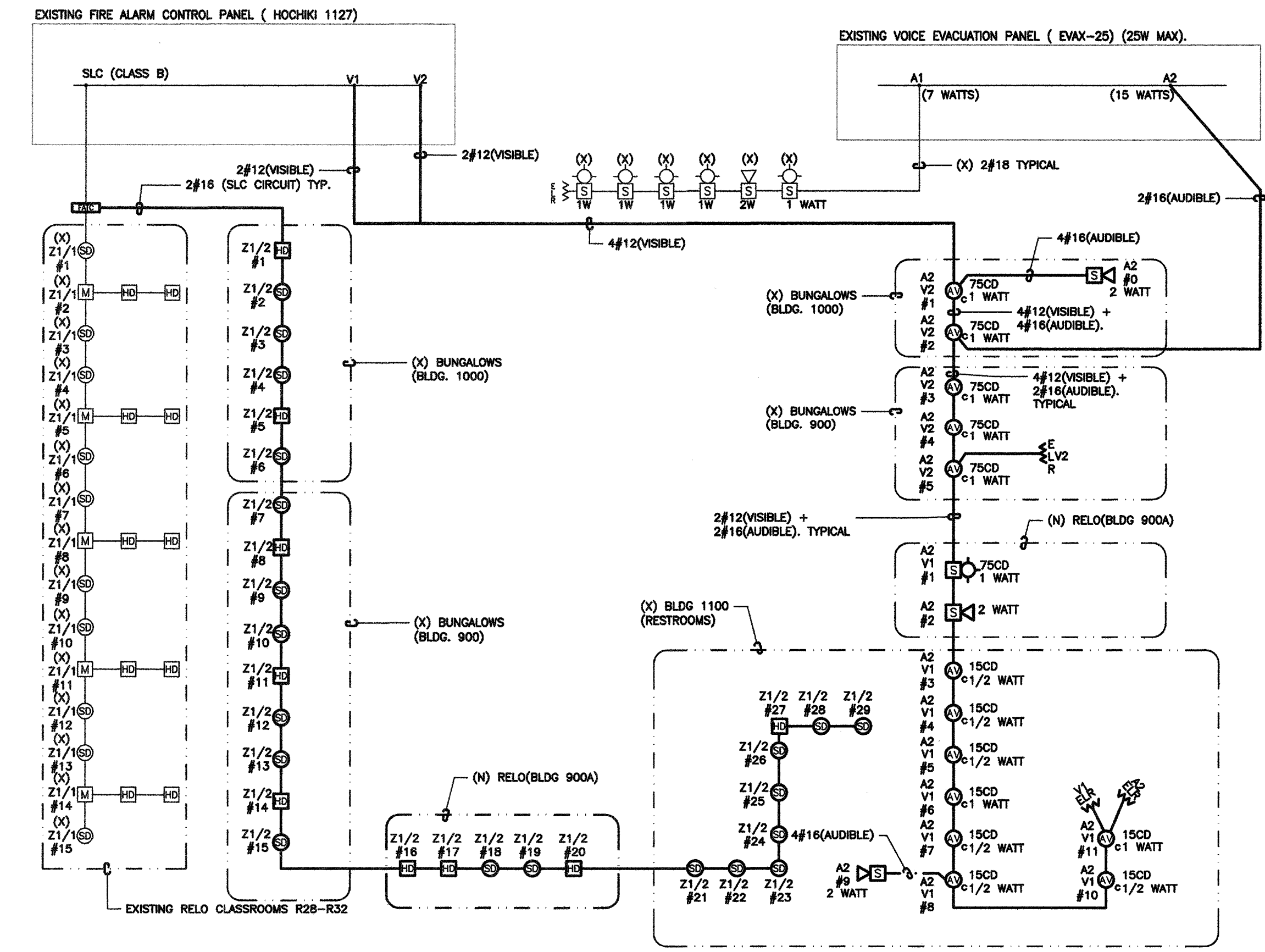
At 70VRMS Output:				
Power	#18 AWG	#16AWG	#14 AWG	#12AWG
10W	15,200	24,200	38,360	61,100
15W	10,130	16,130	25,570	40,730
25W	6,080	9,680	15,340	24,440

\* This table assumes that there is an even distribution of the speaker load on the speaker circuit, and that a 20% drop at the last device is allowable. If an even distribution of load is not the case, reduce all wire runs by 1/2.

### 2 SPEAKER CIRCUIT WIRING GUIDELINES

NOT TO SCALE

BSCD NICHOLS (LOCATED IN BUILDING 1000)									
EXISTING "FACP" POWER & BATTERY CALCULATION (HOCHIKI 1127)									
DEVICE				PANEL		FACP			
DESCRIPTION				STAND-BY (mA)	ALARM (mA)	QUANTITY	STAND-BY (mA)	ALARM (mA)	
EXISTING FIRE ALARM PANEL				200	250	1	200	250	
EXISTING DIGITAL ALARM COMMUNICATOR				25	25	1	25	25	
EXISTING FAST RESPONSE CONTACT MODULE				0.55	0.68	10	5.5	6.8	
EXISTING SMOKE DETECTORS				0.39	0.39	22	8.58	8.58	
EXISTING HEAT DETECTORS				0.35	0.35	17	5.95	5.95	
NEW SMOKE DETECTORS				0.39	0.8	20	7.8	16	
NEW HEAT DETECTORS				0.35	0.5	9	3.15	4.5	
NEW CEILING MOUNT STROBES (75CD)						272		1360	
NEW WALL MOUNT STROBES (75CD)						180		180	
NEW CEILING MOUNT STROBES (15CD)						120		960	
TOTALS (AMPS):							I(s)	I(a)	
							0.256	2.817	
Amp Hour:								8.56	
Existing Battery -								12.0	



### 1 FIRE ALARM SYSTEM RISER DIAGRAM

NOT TO SCALE

FIRE ALARM EQUIPMENT SPECIFICATIONS SCHEDULE							
SYMBOL	MODEL NO	DESCRIPTION	MANUFACTURER	CSFM. LISTING #	BACKBOX REQUIREMENTS	MOUNTING HEIGHT (TO CENTER U.O.N.)	REMARKS
1127	FIRENET 1127	EXISTING FIRE ALARM CONTROL PANEL	HOCHIKI #03-115548	7165-0410:0180			LOCATED IN (X) BLDG.1000
1004	EVAX-25	EXISTING VOICE EVACUATION PANEL	HOCHIKI #03-115548	6911-0410:176			LOCATED IN (X) RELO R29
1024	FN-642-ULADA	EXISTING FIRE ALARM REMOTE POWER SUPPLY	HOCHIKI	7315-0410:166			LOCATED IN (X) RELO R29
SD	ALK-V HSB-NSA-6	ADDRESSABLE SMOKE DETECTOR W/6" BASE	HOCHIKI	7272-0410:0173 7300-0410:0132	4" SQ. X 2 1/8" DP. OUTLET BOX WITH S.G. RAISED RING		
HD	ATJ-EA HSB-NSA-6	ADDRESSABLE HEAT DETECTOR W/6" BASE	HOCHIKI	7270-0410:0203	4" SQ. X 2 1/8" DP. OUTLET BOX WITH S.G. RAISED RING		2
WS	WSSPKR	OUTDOOR WALL MOUNT SPEAKER	GENTEX	7320-0569:0141	GBLP OUTDOOR BACKBOX		2 WATT
SL	HSSPK24WLPR	WALL MOUNTED COMBINATION SPEAKER & STROBE LIGHT (CANDELA VALUE AS SHOWN ON PLANS)	HOCHIKI	7320-0410:0195	4" SQ. X 2 1/8" DP. OUTLET BOX		1 WATT
CL	HSSPK24CLPR	CEILING MOUNTED COMBINATION SPEAKER & STROBE LIGHT (CANDELA VALUE AS SHOWN ON PLANS)	HOCHIKI	7320-0410:0194	4" SQ. X 2 1/8" DP. OUTLET BOX		1 WATT
RL		END OF LINE RESISTOR 1			4" SQ. X 2 1/8" DP. OUTLET BOX 3		

#### NOTES (FIRE ALARM EQUIPMENT SPECIFICATIONS SCHEDULE)

(NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)

- END OF LINE RESISTORS SHALL BE 10K FOR NOTIFICATION APPLIANCE CIRCUITS FEEDING FROM FIRE ALARM CONTROL PANEL AND 2.2K FOR NOTIFICATION APPLIANCE CIRCUITS FEEDING FROM FIRE ALARM POWER EXPANDER PANELS.
- SET FOR 190 DEGREES.
- PROVIDE WEATHERPROOF FLUSH WALL PLATE #WFP-R.

### FIRE ALARM SYSTEM INSTALLATION NOTES

ALL DRAWINGS ARE DIAGRAMMATIC ONLY, AND SHALL NOT BE USED IN DETERMINING ACTUAL CONDUIT ROUTING. THE CONTRACTOR SHALL VERIFY ALL CONDUIT ROUTING CONDITIONS AT THE PROJECT SITE AS CONSTRUCTION PROGRESSES.

ALL FIRE ALARM DATA COMMUNICATIONS AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS WITH OUTER COVERING COLORS PER THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS. ALL SMOKE DAMPER AND REMOTE TROUBLE INDICATOR CIRCUITS SHALL BE YELLOW. ALL CIRCUITS SHALL BE INDIVIDUALLY LABELED, BOTH AT THE DEVICE END AND AT THE SIGNAL TERMINAL, CABINET AND/OR FIRE ALARM MASTER PANEL TERMINATION POINT.

ALL FIRE ALARM CIRCUITS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS. "T" TAPPING IS ALLOWED ONLY UNDER THESE CONDITIONS.

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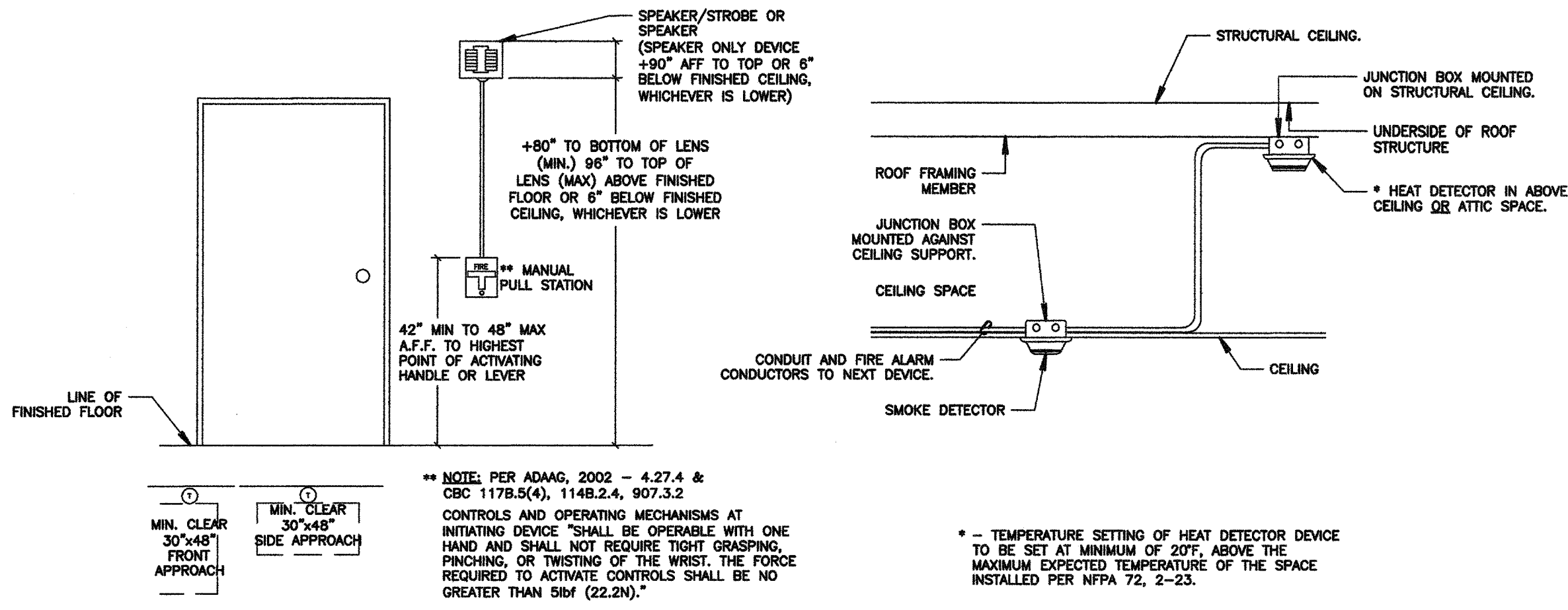
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CHKD BY: D. FERRANTI  
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### FIRE ALARM RISER DIAGRAM, VOLTAGE DROP & BATTERY CALCULATIONS

SHEET NUMBER

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3 TYPICAL FIRE ALARM DEVICE MOUNTING DETAILS  
SCALE: NOT TO SCALE

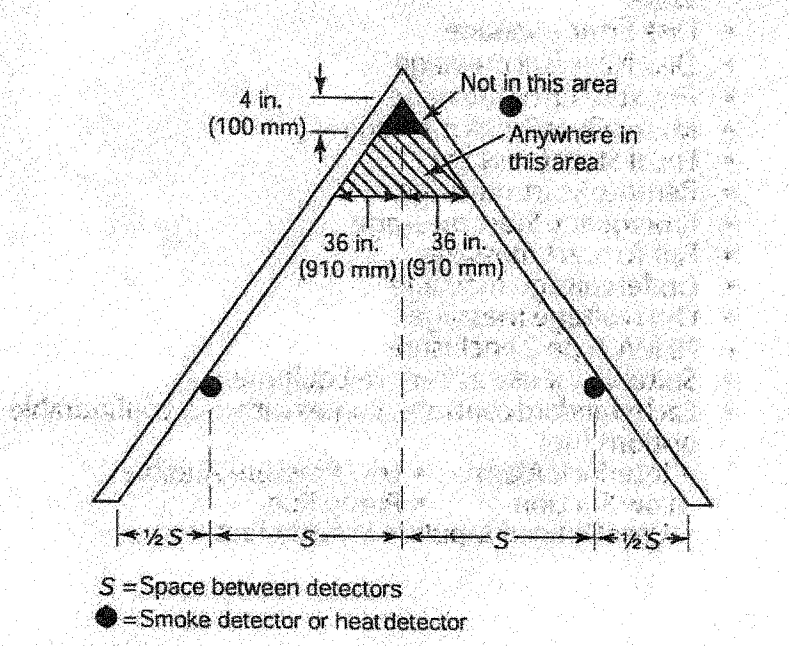
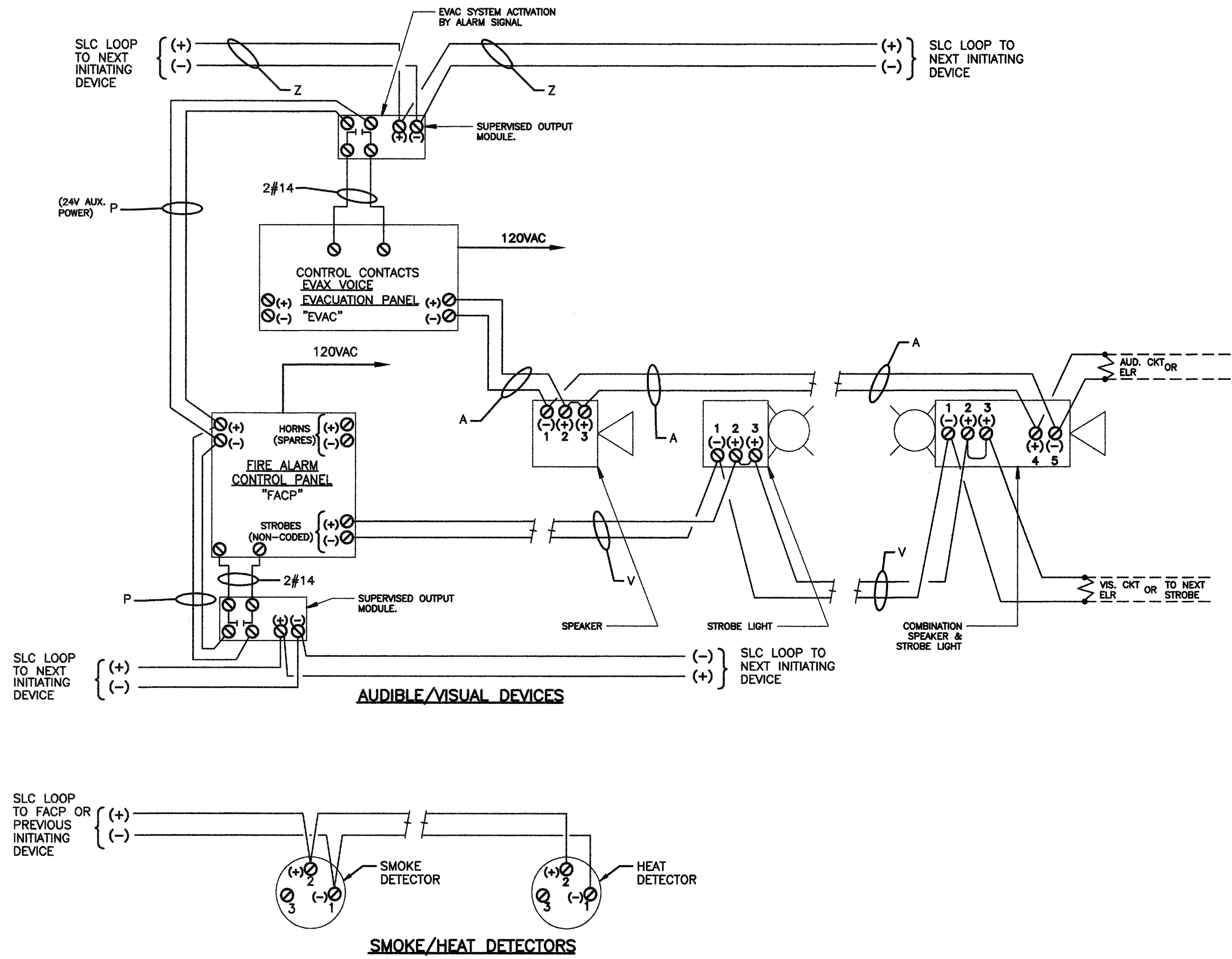
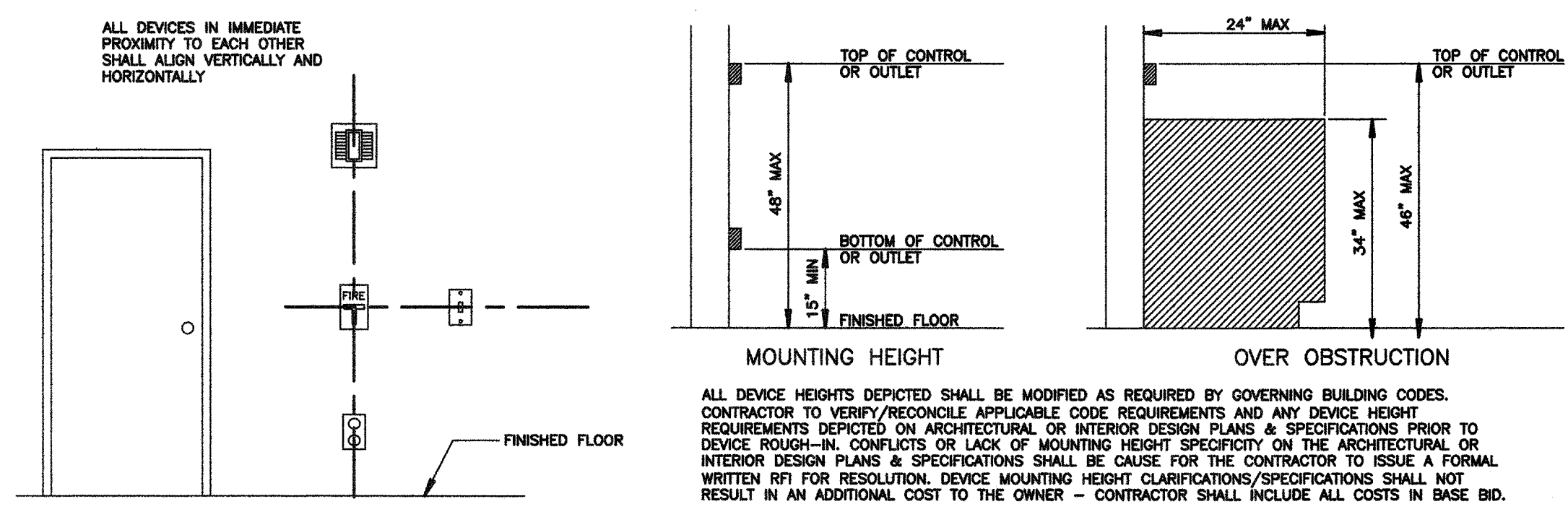


FIGURE A.17.6.3.4(a) Smoke or Heat Detector Spacing Layout, Sloped Ceilings (Peaked Type).

4 TYPICAL BUNGALOW CLASSROOM HEAT DETECTOR SPACING  
SCALE: NOT TO SCALE



1 TYPICAL DEVICES WIRING DIAGRAMS DETAIL  
NOT TO SCALE



2 DEVICE ALIGNMENT & MOUNTING HEIGHT DETAILS  
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CHKD BY:	D. FERRANTI
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**FIRE ALARM DETAILS AND WIRING DIAGRAMS**

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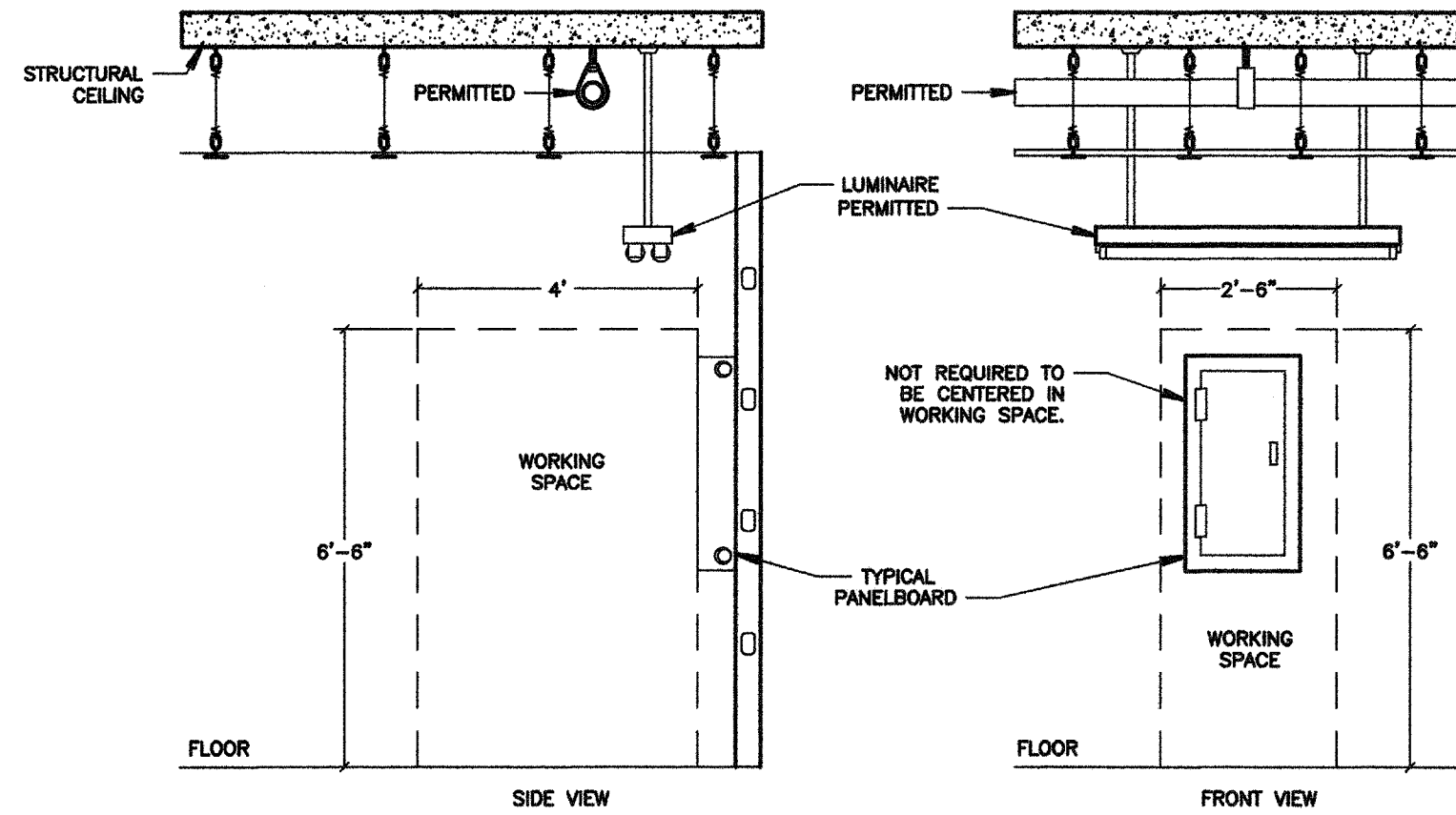
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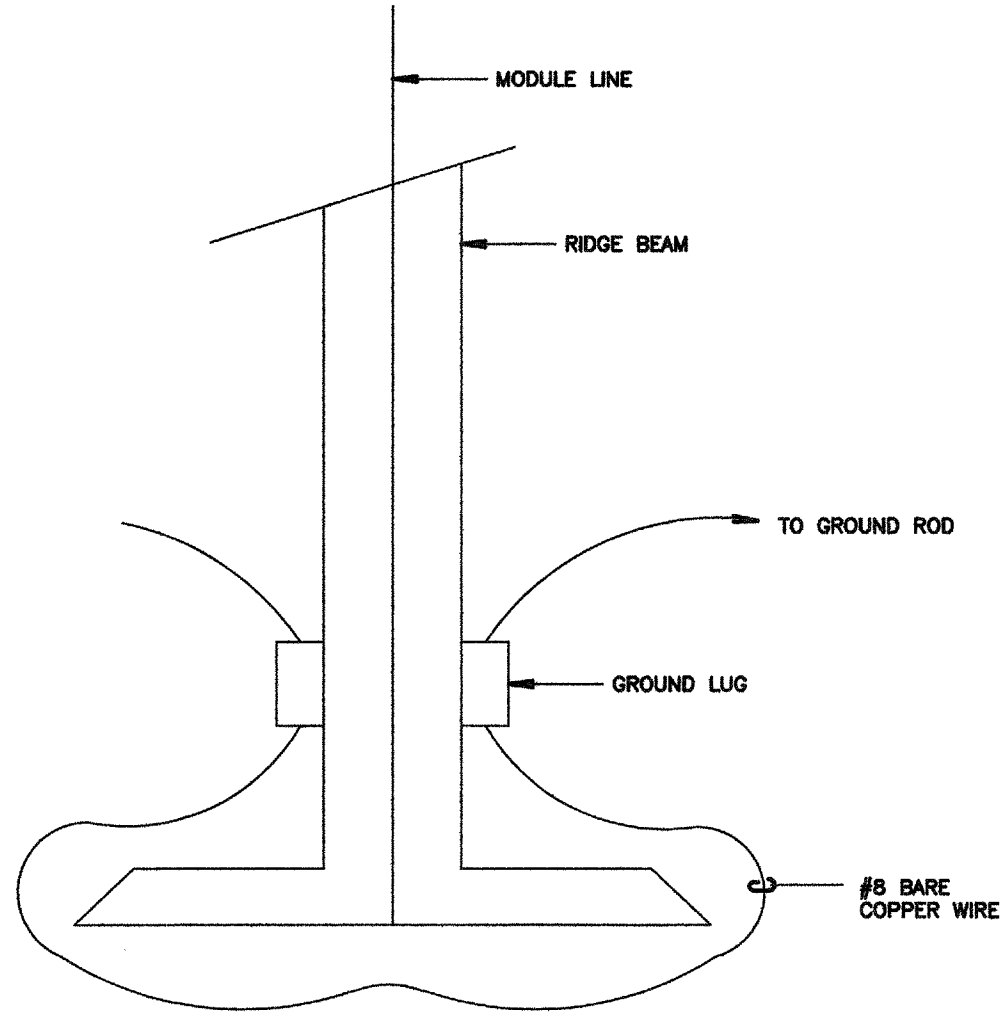




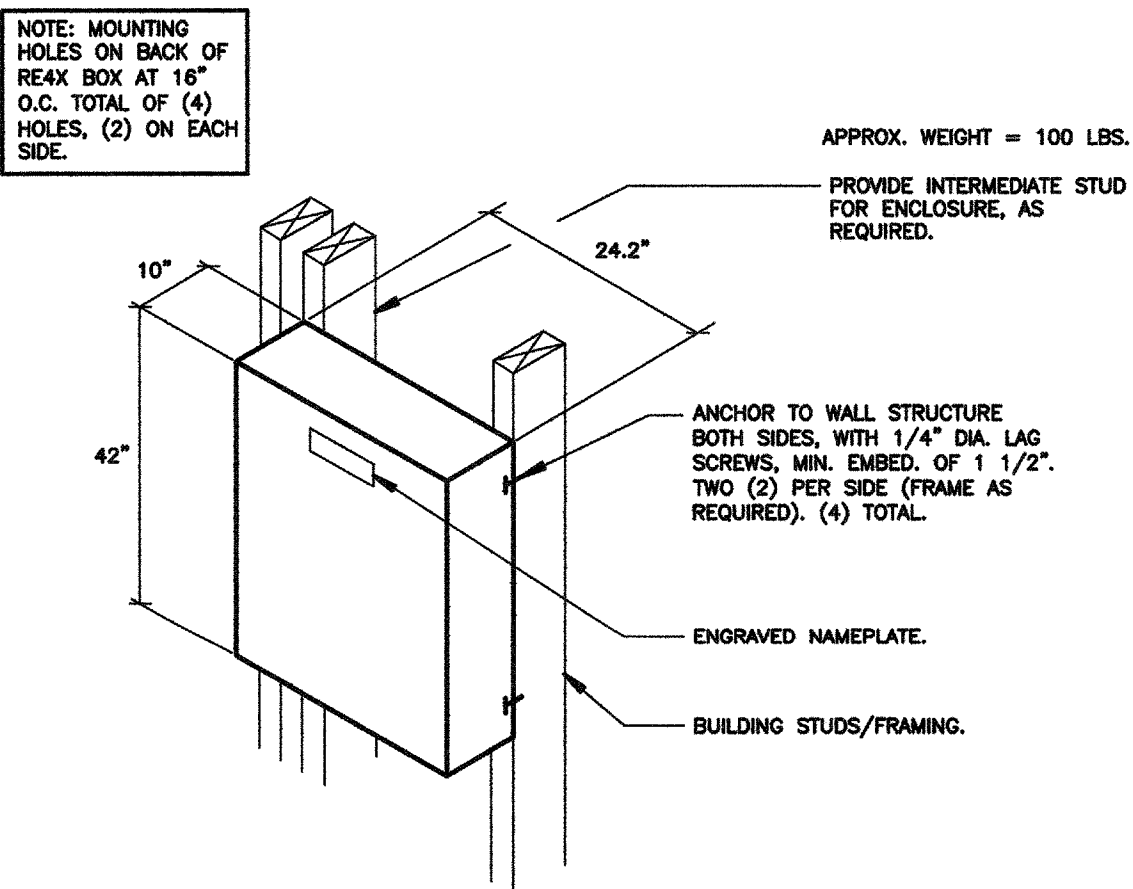




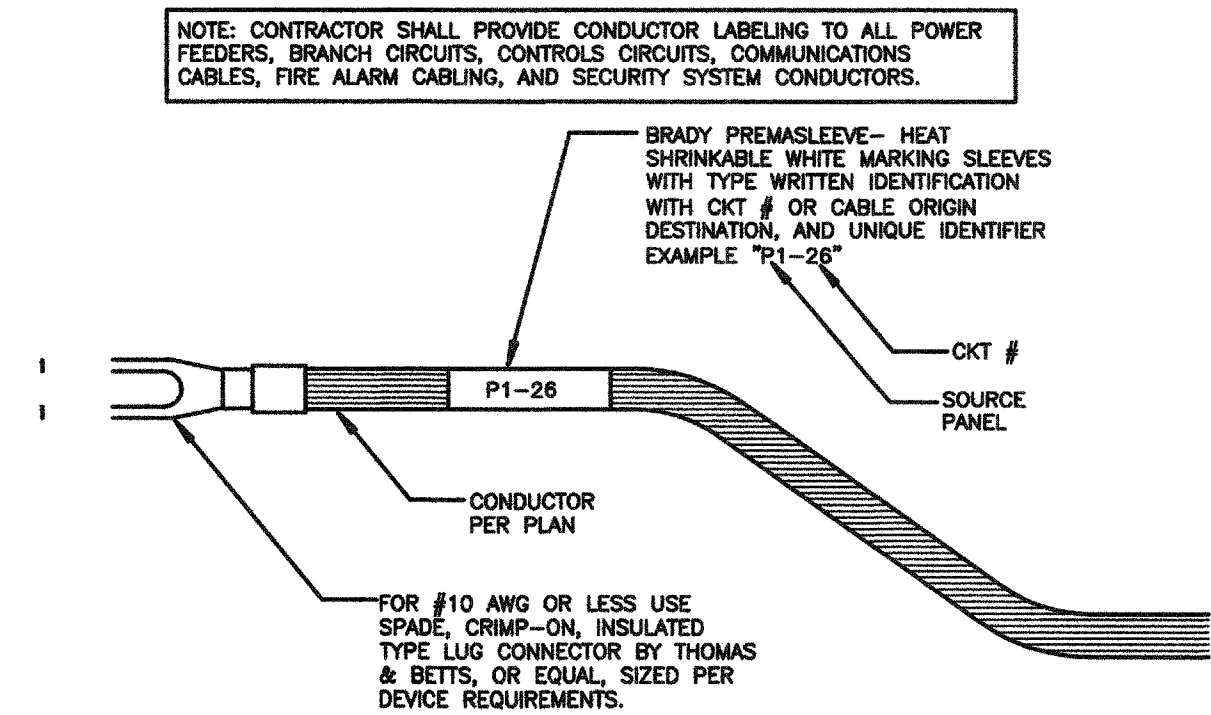
**8 TYPICAL PANELBOARD WORKING CLEARANCE**  
SCALE: NOT TO SCALE



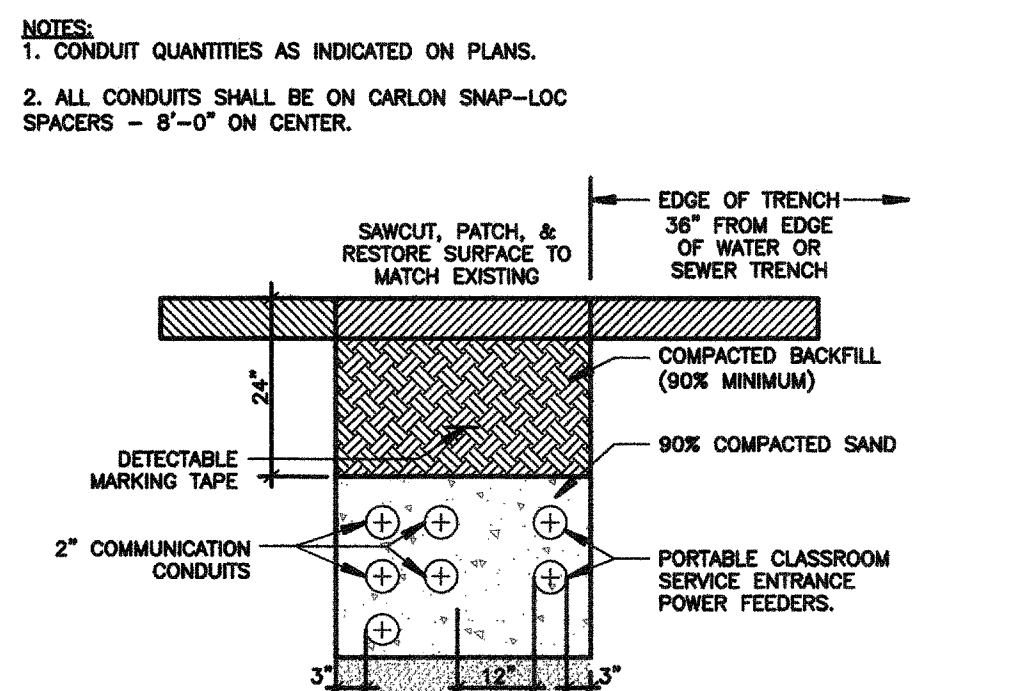
**9 RELOCATABLE MODULE BONDING DETAIL**  
NOT TO SCALE



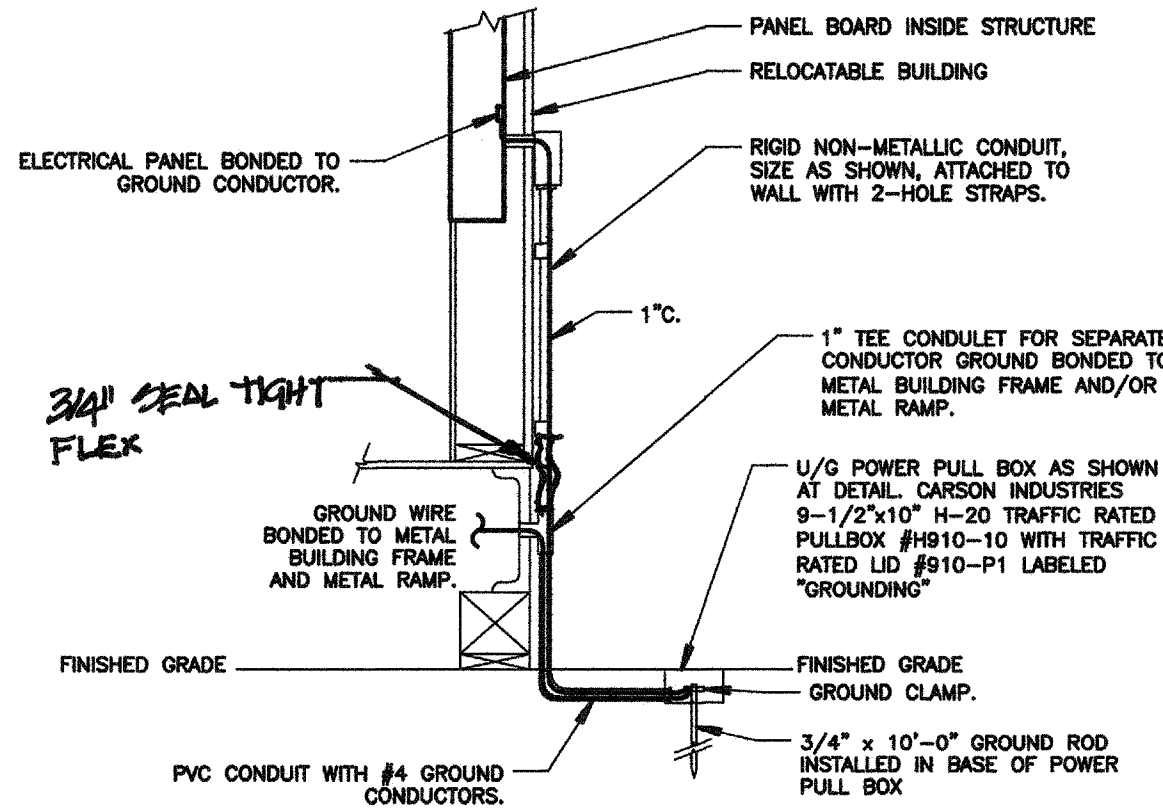
**10 HUBBELL RE4X BOX MOUNTING DETAIL**  
NOT TO SCALE



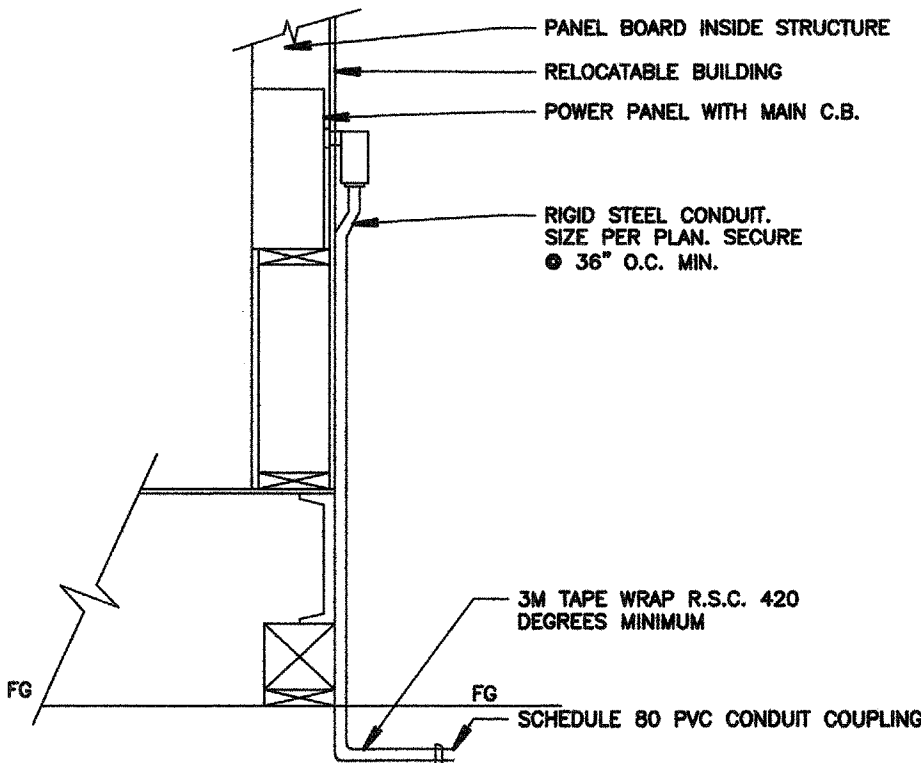
**6 TYPICAL LABELING DETAIL**  
SCALE: NOT TO SCALE



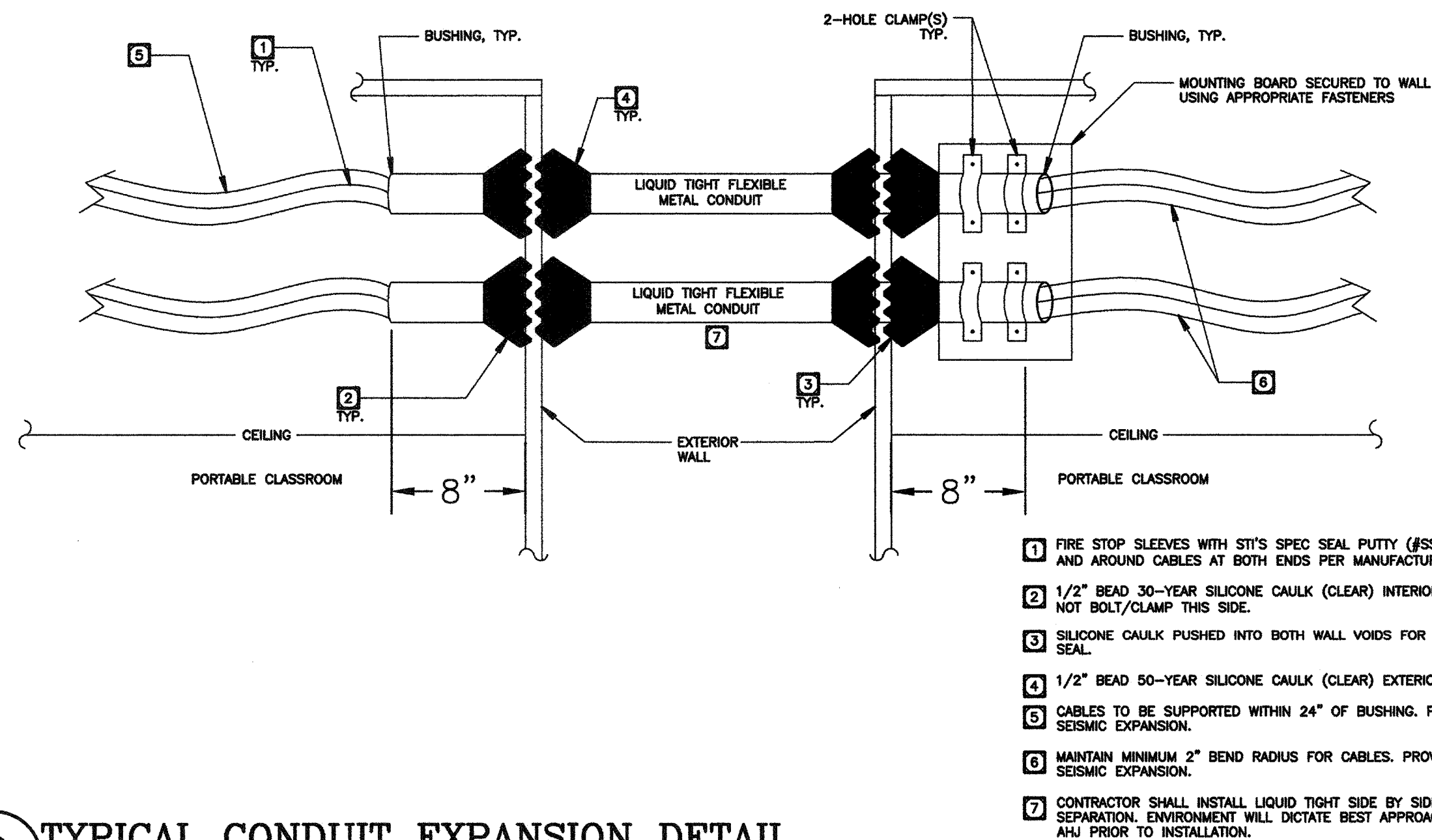
**7 TYPICAL DUCT BANK SECTION**  
SCALE: NOT TO SCALE



**1 TYPICAL PORTABLE CLASSROOM GROUNDING DETAIL**  
SCALE: NOT TO SCALE



**2 TYPICAL PORTABLE CLASSROOM POWER DETAIL**  
SCALE: NOT TO SCALE



**3 TYPICAL CONDUIT EXPANSION DETAIL**  
NOT TO SCALE

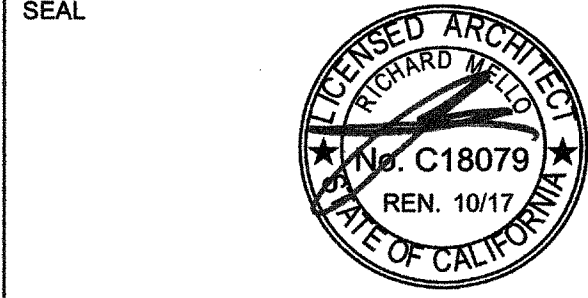
**DETAIL NOTES**

- GROUND CONDUCTORS SHALL BE #4 COPPER
- BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME. IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10FT INTO THE SOIL IF AVAILABLE.
- ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). PROVIDE #6 BONDING JUMPER BETWEEN FRAMES IN ACCESSIBLE AREA.
- CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ONE ADDITIONAL GROUND ROD, SEPARATED BY A MINIMUM OF 6', WITH CONDUCTORS AS SHOWN.
- BOND ALL RAMP STEEL RAILING WITH A #6 COPPER SOLID BONDING JUMPER TO THE ELECTRICAL PANEL OR THE STEEL FRAME OF THE UNIT.
- THE SITE INSPECTOR SHALL WITNESS THE GROUNDING TEST.

NOTE: PER DSA IR E-1 METAL MODULAR BUILDINGS: EACH BUILDING COMPONENT, INCLUDING STEEL RAMP, MUST BE ELECTRICALLY BONDED TOGETHER IN A MANNER ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT (DSA).  
ALL METAL BUILDING COMPONENTS MUST BE ELECTRICALLY BONDED TOGETHER, AND EACH BUILDING MUST BE INDEPENDENTLY GROUNDING. MULTIPLE BUILDINGS ARE NOT TO BE GROUNDING THROUGH THE ELECTRICAL SYSTEM. ALL GROUNDING SYSTEMS ARE TO BE TESTED WITH A MEGGER UNIT, OR IN AN OTHERWISE ACCEPTABLE MANNER. REFER TO THE 2004 OR 2007 CEC, SECTION 250.52 FOR SPECIFIC GROUNDING REQUIREMENTS.

PRIME CONSULTANT

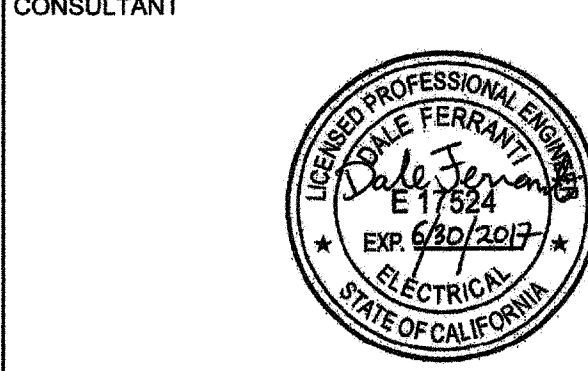
**IBI GROUP** ARCHITECTURE PLANNING  
San Luis Obispo  
4119 Broad Street, Suite 210  
San Luis Obispo, CA 93401  
805.546.0433 fax:805.546.0504



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REVISIONS			
NO.	DATE	APPRD.	DESCRIPTION



AGENCY TRACKING NO. 63321-155  
FILE NO. 15-6

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-117001  
AC NV FLS SS  
DATE 4/20/16

BAKERSFIELD CITY SCHOOL DISTRICT



**COLONEL NICHOLS  
ELEMENTARY SCHOOL  
30'X32' RELOCATABLE**  
3401 RENEGADE AVENUE  
BAKERSFIELD, CA 93306

PROJECT NO:	15178.000
DRAWN BY:	G. GARCIA
CHKD BY:	D. FERRANTI
ISSUE DATE:	04/20/16
SHEET TITLE	

**DETAILS**

SHEET NUMBER

**E5.0**

**FERRANTI ENGINEERING**  
CONSULTING  
ELECTRICAL ENGINEERS  
1211 MARICOPA HWY,  
SUITE 250  
OJAI, CA 93023  
(805) 705-4772  
DALEFERRANTI@LIVE.COM

CONSTRUCTION DOCUMENTS

J:\15178\_PC\_Nichols\PESS Drawings\Bakersfield\Nate\15178\_Nichols.rvt PLOT DATE: 3/2/2016 1:22:13 PM



# MODULAR CLASSROOM BUILDINGS

BUILDING SIZE: 30' X 32'  
EXPANDABLE TO 150' X 32'

PC 04-112070

BY

SILVER CREEK INDUSTRIES, INC.

195 EAST MORGAN, PERRIS, CALIFORNIA 92571  
PHONE : (951) 943-5393 FAX : (951) 943-2211

FROM STOCKPILE TO SITE SPECIFIC  
RELOCATION PACKAGE

CLASS LEASING

E-239 STOCK PILE # 123

BAKERSFIELD S.D.

30X32 CLASSROOM BLDG.

## GENERAL NOTES

- FIRE ALARM IS NOT PART OF THIS APPROVAL
- ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2010 CBC 705.3
- THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM
- PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING
- FOR SOIL TYPES / DESIGN BEARING STRENGTH, SEE SHEET S-0.1 STRUCTURAL SPECIFICATIONS
- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES
- EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2010 CBC
- EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1400
- SEE SHEETS A-0.8 AND A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM

The automatic fire sprinkler system for this PC has been designed for light hazard occupancies

## APPLICABLE STANDARDS

NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2010 EDITION  
NFPA 72 NAT. FIRE ALARM CODE (CALIF. AMENDED) 2010 EDITION  
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

## APPLICABLE CODES (AS OF JANUARY 1, 2011)

LIST OF 2010 CALIFORNIA CODE OF REGULATIONS  
2010 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.  
2010 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2, PART 2, TITLE 24 C.C.R.  
(2008 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2010 CALIFORNIA AMENDMENTS)  
2010 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.  
(2008 NATIONAL ELECTRICAL CODE AND 2010 CALIFORNIA AMENDMENTS)  
2010 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.  
(2009 IAPMO UNIFORM MECHANICAL CODE AND 2010 CALIFORNIA AMENDMENTS)  
2010 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.  
(2009 IAPMO UNIFORM PLUMBING CODE AND 2010 CALIFORNIA AMENDMENTS)  
2010 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.  
(2008 EDITION CALIFORNIA ENERGY COMMISSION BUILDING ENERGY EFFICIENCY STANDARDS)  
2010 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.  
(2008 INTERNATIONAL FIRE CODE AND 2010 CALIFORNIA AMENDMENTS)  
2010 CALIFORNIA GREEN CODE, PART 11, TITLE 24 C.C.R.  
2010 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.

## BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E: 30' x 150' x 32' BUILDINGS
TYPE OF CONSTRUCTION:	VB
FLOOR LIVE LOAD:	<input type="checkbox"/> 50 PSF <input type="checkbox"/> 50+15 PSF PARTITION LOAD
ROOF LIVE LOAD:	<input type="checkbox"/> 100 PSF <input type="checkbox"/> 150 PSF
FLOOR DEAD LOAD:	20 PSF
ROOF DEAD LOAD:	17 PSF (INCLUDING SPRINKLER LOAD)
RAMP LIVE LOAD:	100 PSF
BUILDING AREA: (AREA WITHOUT OVERHANGS / AREA WITH OVERHANGS)	<input checked="" type="checkbox"/> 30x32 BLDG - 960/1185 (SF) <input type="checkbox"/> 100x32 BLDG - 3200/3850 (SF) <input type="checkbox"/> 40x32 BLDG - 1280/1580 (SF) <input type="checkbox"/> 110x32 BLDG - 3520/4345 (SF) <input type="checkbox"/> 50x32 BLDG - 1600/1975 (SF) <input type="checkbox"/> 120x32 BLDG - 3840/4740 (SF) <input type="checkbox"/> 60x32 BLDG - 1920/2370 (SF) <input type="checkbox"/> 130x32 BLDG - 4160/5135 (SF) <input type="checkbox"/> 70x32 BLDG - 2240/2765 (SF) <input type="checkbox"/> 140x32 BLDG - 4480/5530 (SF) <input type="checkbox"/> 80x32 BLDG - 2560/3180 (SF) <input type="checkbox"/> 150x32 BLDG - 4800/5925 (SF) <input type="checkbox"/> 90x32 BLDG - 2880/3555 (SF)
ALLOWABLE AREA - 4500 SF	
FOUNDATION:	<input type="checkbox"/> WOOD <input type="checkbox"/> CONCRETE
CEC CLIMATE ZONES:	1-16

## WIND DESIGN DATA SECTION 1603.A.1.4

1. BASIC WIND SPEED, 3 SEC GUST (MPH):	100 / Kzt = 1.0
2. WIND IMPORTANCE FACTOR:	1
3. WIND EXPOSURE:	"C"
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT:	± 0.18
5. COMPONENTS AND CLADDING:	
ZONE 1 =	23.1
ZONE 2 =	38.8
ZONE 3 =	58.4
ZONE 4 =	22.6
ZONE 5 =	27.5

## EARTHQUAKE DESIGN DATA SECTION 1803.A.1.5

1. SEISMIC IMPORTANCE FACTOR :			1
2. MAPPED SPECTRAL RESPONSE :			
S <sub>0</sub> = 1.5		S <sub>1</sub> = 0.954	
3. SITE CLASS			D
4. SPECTRAL RESPONSE COEFFICIENTS :			
S <sub>0a</sub> = 1		S <sub>0a</sub> = 0.95	
5. SEISMIC DESIGN CATEGORY :			E
6. BASIC SEISMIC-FORCE-RESISTING-SYSTEM :			OMF
7. DESIGN BASE SHEAR (kips):			
CONC FLOOR		PLY FLOOR	LL=100
X		X	22.68
X		X	16.02
X		X	31.12
X		X	24.25
8. SEISMIC RESPONSE COEFFICIENT, C <sub>s</sub> :			0.286
9. RESPONSE MODIFICATION FACTOR, R :			3.5
10. ANALYSIS PROCEDURE USED :			EQUIVALENT LATERAL FORCE
11. MINIMUM SEISMIC SEPARATION FROM OTHER EXISTING OR FUTURE BUILDINGS			6" SEP.

S/N:

10134 - 35 - 36

10137 - 38 - 39

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

03 117001  
ACF/FLS/MS/PL  
Date: 4/20/16

NOTE  
FOR NEW CONSTRUCTION STOCKPILE  
BUILDINGS:  
SITE SPECIFIC APPROVAL CAN NOT BE  
CERTIFIED BEFORE THE HERE IN  
STOCKPILE (04-113850) IS CERTIFIED

## SHEET INDEX

SHT NO.	ARCHITECTURAL	SHT NO.	FOUNDATION
A-0	COVER SHEET	F-0.01	WOOD FOUNDATION PLAN - 30' x 32' (50 PSF)
A-0.1	T & L FORMS	F-0.02	WOOD FOUNDATION PLAN - 30' x 32' (50+15 PSF)
A-0.2	PC FORMS	F-0.03	WOOD FOUNDATION PLAN - 30' x 32' (100 PSF)
A-0.3	BUILDING OPTIONS SCHEDULE	F-0.04	WOOD FOUNDATION PLAN - 30' x 32' (150 PSF)
A-0.4	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE		
A-0.5	SCHEDULES	F-0.11	WOOD FOUNDATION PLAN - 40' x 32' (50 PSF)
A-0.6	TYPICAL KEY PLANS - 30' TO 110' x 32'	F-0.12	WOOD FOUNDATION PLAN - 40' x 32' (50+15 PSF)
A-0.7	TYPICAL KEY PLANS - 120 TO 150' x 32'	F-0.13	WOOD FOUNDATION PLAN - 40' x 32' (100 PSF)
		F-0.14	WOOD FOUNDATION PLAN - 40' x 32' (150 PSF)
A-0.8	TITLE 24, PART 6, ZONE 1A SHEATH CALCS		
A-0.9	TITLE 24, PART 6, ZONE 1B SHEATH CALCS	F-0.21	WOOD FOUNDATION PLAN - 50' x 32' (50 PSF)
A-0.10	TITLE 24, PART 6, ZONE 1C SHEATH CALCS	F-0.22	WOOD FOUNDATION PLAN - 50' x 32' (50+15 PSF)
A-0.11	TITLE 24, PART 6, COMPLIANCE VALUES 30' x 32'	F-0.23	WOOD FOUNDATION PLAN - 50' x 32' (100 PSF)
A-0.12	TITLE 24, PART 6, COMPLIANCE VALUES 150' x 32'	F-0.24	WOOD FOUNDATION PLAN - 50' x 32' (150 PSF)
A-1.01	FLOOR PLAN - 30' x 32'	F-0.31	WOOD FOUNDATION PLAN - 60' x 32' (50 PSF)
A-1.02	FLOOR PLAN - 40' x 32'	F-0.32	WOOD FOUNDATION PLAN - 60' x 32' (50+15 PSF)
A-1.03	FLOOR PLAN - 50' x 32'	F-0.33	WOOD FOUNDATION PLAN - 60' x 32' (100 PSF)
A-1.04	FLOOR PLAN - 60' TO 150' x 32'	F-0.34	WOOD FOUNDATION PLAN - 60' x 32' (150 PSF)
A-1.05	OPTIONAL 10' x 32' TOILET MODULE PLANS & ELEVATIONS		
A-1.06	OPTIONAL 10' x 32' TOILET MODULE PLUMBING PLANS & ISOMETRICS	F-0.50	FOUNDATION DETAILS - WOOD
A-2.01	REFLECTED CEILING PLAN - 30' x 32'	F-1.01	CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR
A-2.02	REFLECTED CEILING PLAN - 40' x 32'	F-1.11	CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR
A-2.03	REFLECTED CEILING PLAN - 50' x 32'	F-1.50	CONCRETE FOUNDATION DETAILS - ABOVE GRADE
A-2.04	REFLECTED CEILING PLAN - 60' TO 150' x 32'		
A-2.11	REFLECTED CEILING PLAN - 30' x 32' (40' x 32')	F-2.01	CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR
A-2.13	REFLECTED CEILING PLAN - 60' TO 150' x 32'	F-2.11	CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
		F-2.50	CONCRETE FOUNDATION DETAILS - BELOW GRADE
A-2.20	CEILING DETAILS - T-GRID	F-3.01	FOUNDATION DETAILS - CONCRETE
A-2.21	CEILING DETAILS - HARD LID		
A-3.01	ROOF PLAN - 0.018" METAL DECK - MONO OR DUAL SLOPE - 30' x 32'	SHT NO.	STRUCTURAL
A-3.03	ROOF PLAN - 0.018" METAL DECK - MONO SLOPE - 40' x 32'	S-0.1	STRUCTURAL SPECIFICATIONS
A-3.04	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 40' x 32'		
A-3.05	ROOF PLAN - 0.018" METAL DECK - MONO SLOPE - 50' x 32'	S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
A-3.06	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 50' x 32'	S-1.11	FLOOR FRAMING PLAN - CONCRETE FLOOR
A-3.07	ROOF PLAN - 0.018" METAL DECK - MONO SLOPE - 60' TO 150' x 32'	S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
		S-1.50	FLOOR FRAMING DETAILS - CONCRETE FLOOR
A-3.11	ROOF PLAN - 0.030" METAL DECK - MONO OR DUAL SLOPE - 30' x 32'	S-3.01	ROOF FRAMING PLAN - 0.018" BUILT-UP OR TPO ROOF - MONO SLOPE
A-3.12	ROOF PLAN - 0.030" METAL DECK - MONO SLOPE - 40' x 32'	S-3.03	ROOF FRAMING PLAN - 0.030" MONO SLOPE
A-3.13	ROOF PLAN - 0.030" METAL DECK - DUAL SLOPE - 40' x 32'	S-3.03	ROOF FRAMING PLAN - PARAPET - MONO SLOPE
A-3.14	ROOF PLAN - 0.030" METAL DECK - MONO SLOPE - 50' x 32'		
A-3.15	ROOF PLAN - 0.030" METAL DECK - DUAL SLOPE - 50' x 32'	S-3.11	ROOF FRAMING PLAN - 0.018" BUILT-UP OR TPO ROOF - DUAL SLOPE
A-3.16	ROOF PLAN - 0.030" METAL DECK - MONO SLOPE - 60' TO 150' x 32'	S-3.13	ROOF FRAMING PLAN - 0.030" DUAL SLOPE
A-3.17	ROOF PLAN - 0.030" METAL DECK - DUAL SLOPE - 60' TO 150' x 32'	S-3.13	ROOF FRAMING PLAN - PARAPET - DUAL SLOPE
A-3.21	ROOF PLAN - BUILT-UP ROOF - MONO OR DUAL SLOPE - 30' x 32'	S-2.50	ROOF FRAMING DETAILS - MONO SLOPE
A-3.23	ROOF PLAN - BUILT-UP ROOF - MONO SLOPE - 40' x 32'	S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
A-3.23	ROOF PLAN - BUILT-UP ROOF - DUAL SLOPE - 40' x 32'	S-2.60	ROOF FRAMING DETAILS
A-3.24	ROOF PLAN - BUILT-UP ROOF - MONO SLOPE - 50' x 32'	S-2.70	ROOF FRAMING DETAILS - PARAPET
A-3.25	ROOF PLAN - BUILT-UP ROOF - DUAL SLOPE - 50' x 32'	S-2.90	ROOF FRAMING DETAILS - TRUSS
A-3.26	ROOF PLAN - BUILT-UP ROOF - MONO SLOPE - 60' TO 150' x 32'		
A-3.27	ROOF PLAN - BUILT-UP ROOF - DUAL SLOPE - 60' TO 150' x 32'	S-3.01	BUILDING SECTION - MONO SLOPE ROOF
		S-3.02	BUILDING SECTION - DUAL SLOPE ROOF
		S-3.03	BUILDING SECTION - 0.018" MONO SLOPE ROOF
		S-3.04	BUILDING SECTION - 0.030" DUAL SLOPE ROOF
A-3.31	ROOF PLAN - PARAPET - MONO OR DUAL SLOPE - 60' x 32'		
A-3.32	ROOF PLAN - PARAPET - MONO SLOPE - 40' x 32'	S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
A-3.33	ROOF PLAN - PARAPET - DUAL SLOPE - 40' x 32'	S-5.10	WALL FRAMING DETAILS - WOOD STUDS
A-3.34	ROOF PLAN - PARAPET - MONO SLOPE - 50' x 32'	S-5.11	WALL FRAMING DETAILS - WOOD STUDS
A-3.35	ROOF PLAN - PARAPET - DUAL SLOPE - 50' x 32'		
A-3.36	ROOF PLAN - PARAPET - MONO SLOPE - 60' TO 150' x 32'	S-5.20	WALL FRAMING ELEVATIONS - STEEL STUDS
A-3.37	ROOF PLAN - PARAPET - DUAL SLOPE - 60' TO 150' x 32'	S-5.30	WALL FRAMING DETAILS - STEEL STUDS
		S-5.31	WALL FRAMING DETAILS - STEEL STUDS
A-3.41	ROOF PLAN - TPO - MONO OR DUAL SLOPE - 30' x 32'	SHT NO.	PLUMBING
A-3.43	ROOF PLAN - TPO - MONO SLOPE - 40' x 32'	P-1.01	PLUMBING DETAILS AND SCHEDULE
A-3.43	ROOF PLAN - TPO - DUAL SLOPE - 40' x 32'		
A-3.44	ROOF PLAN - TPO - MONO SLOPE - 50' x 32'		
A-3.45	ROOF PLAN - TPO - DUAL SLOPE - 50' x 32'		
A-3.46	ROOF PLAN - TPO - MONO SLOPE - 60' TO 150' x 32'		
A-3.47	ROOF PLAN - TPO - DUAL SLOPE - 60' TO 150' x 32'		
A-3.50	ROOF DETAILS - 0.018" STANDING SEAM ROOF DECK	SHT NO.	MECHANICAL
A-3.60	ROOF DETAILS - 0.030" STANDING SEAM ROOF DECK	M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
A-3.61	ROOF DETAILS - 0.030" STANDING SEAM ROOF DECK		
A-3.70	ROOF DETAILS - BUILT-UP ROOF	M-1.01	MECHANICAL PLAN - WALL MOUNT - 30' x 32'
A-3.80	ROOF DETAILS - PARAPET	M-1.03	MECHANICAL PLAN - WALL MOUNT - 40' x 32'
A-3.90	ROOF DETAILS - TPO	M-1.03	MECHANICAL PLAN - WALL MOUNT - 50' x 32'
		M-1.04	MECHANICAL PLAN - WALL MOUNT - 60' TO 150' x 32'
A-4.01	EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 30' x 32'	M-2.01	MECHANICAL PLAN - ROOF MOUNT - 30' x 32'
A-4.02	EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 40' x 32'	M-2.03	MECHANICAL PLAN - ROOF MOUNT - 40' x 32'
A-4.03	EXTERIOR ELEVATIONS - MONO SLOPE - 50' x 32'	M-2.03	MECHANICAL PLAN - ROOF MOUNT - 50' x 32'
A-4.04	EXTERIOR ELEVATIONS - DUAL SLOPE - 50' x 32'	M-2.04	MECHANICAL PLAN - ROOF MOUNT - 60' TO 150' x 32'
A-4.05	EXTERIOR ELEVATIONS - MONO SLOPE - 60' TO 150' x 32'		
A-4.06	EXTERIOR ELEVATIONS - DUAL SLOPE - 60' TO 150' x 32'	M-2.01	MECHANICAL ROOF PLAN - ROOF MOUNT - 11' x 32'
A-4.11	EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 30' x 32' (PARAPET)	M-1.01	MECHANICAL PLAN - WALL MOUNT - 30' x 40' x 32'
A-4.12	EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 40' x 32' (PARAPET)	M-1.02	MECHANICAL PLAN - WALL MOUNT - 50' TO 150' x 32'
A-4.13	EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 50' x 32' (PARAPET)		
A-4.14	EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 60' TO 150' x 32' (PARAPET)		
A-5.01	CROSS SECTION - MONO SLOPE - 0.018", B.U., TPO ROOF DECK OR PARAPET	E-1.01	ELECTRICAL PLAN AND SCHEDULE - 30' x 32'
A-5.02	CROSS SECTION - DUAL SLOPE - 0.018", B.U., TPO ROOF DECK OR PARAPET	E-1.02	ELECTRICAL PLAN AND SCHEDULE - 40' x 32'
A-5.03	CROSS SECTION - MONO SLOPE - 0.030" ROOF DECK	E-1.03	ELECTRICAL PLAN AND SCHEDULE - 50' x 32'
A-5.04	CROSS SECTION - DUAL SLOPE - 0.030" ROOF DECK	E-1.04	ELECTRICAL PLAN AND SCHEDULE - 60' TO 150' x 32'
A-5.05	CROSS SECTION	E-1.11	ELECTRICAL PLAN - 30' x 40' x 32'
		E-1.12	ELECTRICAL PLAN - 50' TO 150' x 32'
A-5.60	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING	SHT NO.	RAMP
A-5.61	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER	R-1.01	STANDARD RAMP PLAN
A-5.62	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED	R-1.02	OFF-SET RAMP PLAN
A-5.63	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED	R-1.03	RAMP LANDING
A-5.64	ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING	R-1.04	STANDARD LANDING WITH STEPS
A-5.65	ARCHITECTURAL DETAILS - STEEL STUD - PLASTER	R-1.05	SMOOTH RAMP PLAN
A-5.66	ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING - 1 HOUR RATED	R-2.01	RAMP DETAILS
A-5.67	ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED	R-2.02	CONCRETE RAMP
A-5.68	ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS		
A-5.70	ARCHITECTURAL DETAILS - FLOOR	SHT NO.	RELOCATABLE SHEETS
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS	REL-101	BUILDING RELOCATION DETAILS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS	REL-102	BUILDING RELOCATION DETAILS
A-8.01	INTERIOR ELEVATIONS - 30' x 32'	SHT NO.	FIRE SPRINKLER PLANS
A-8.03	INTERIOR ELEVATIONS - 40' x 32'	FS-1.01	30' x 32' x 10'
A-8.03	INTERIOR ELEVATIONS - 50' x 32'	FS-1.02	30' x 32' x 10'
A-8.04	INTERIOR ELEVATIONS - 60' TO 150' x 32'	FS-1.03	30' x 32' x 10'
		FS-1.04	30' x 32' x 10'







PC SIZE (SMALLEST) 30X32	CLIMATE ZONE #14 (ZONES #3 - 9 SIM)	CLIMATE ZONE #15 (ZONES #2 & 10 - 13 SIM)	CLIMATE ZONE #16 (ZONE #1 SIM)
CONSTRUCTION TYPE			
METAL FRAME WITH RAISED CONCRETE FLOOR	ROOF MOUNTED A/C (1) 4-TONS CAPACITY CARRIER 50SZ 048 13.0 SEER  WALL MOUNTED A/C (1) 5-TONS CAPACITY BARD WH 611 12.0 SEER	ROOF MOUNTED A/C (1) 4-TONS CAPACITY CARRIER 50SZ 036 13.0 SEER  WALL MOUNTED A/C (1) 5-TONS CAPACITY BARD WH 491 12.0 SEER	ROOF MOUNTED A/C (1) 4-TONS CAPACITY CARRIER 50SZ 048 13.0 SEER  WALL MOUNTED A/C (1) 4-TONS CAPACITY BARD WH 491 12.0 SEER
FLOOR INSULATION	R-4	R-6	R-4
ROOF INSULATION	R-30	R-30	R-19
WALL INSULATION	R-13	R-13	R-13
PC SIZE (LARGEST) 150X32	CLIMATE ZONE #14 (ZONES #3 - 9 SIM)	CLIMATE ZONE #15 (ZONES #2 & 10 - 13 SIM)	CLIMATE ZONE #16 (ZONE #1 SIM)
CONSTRUCTION TYPE			
METAL FRAME WITH RAISED CONCRETE FLOOR	ROOF MOUNTED A/C (5) 3-TONS CAPACITY CARRIER 50SZ 036 13.0 SEER  WALL MOUNTED A/C (5) 3-TONS CAPACITY BARD WH 381 12.0 SEER	ROOF MOUNTED A/C (3) 3-TONS CAPACITY CARRIER 50SZ 036 13.0 SEER  WALL MOUNTED A/C (5) 3-TONS CAPACITY BARD WH 381 12.0 SEER	ROOF MOUNTED A/C (5) 4-TONS CAPACITY CARRIER 50SZ 048 13.0 SEER  WALL MOUNTED A/C (5) 4-TONS CAPACITY BARD WH 491 12.0 SEER
FLOOR INSULATION	R-4	R-4	R-4
ROOF INSULATION	R-38	R-38	R-30
WALL INSULATION	R-13	R-13	R-13

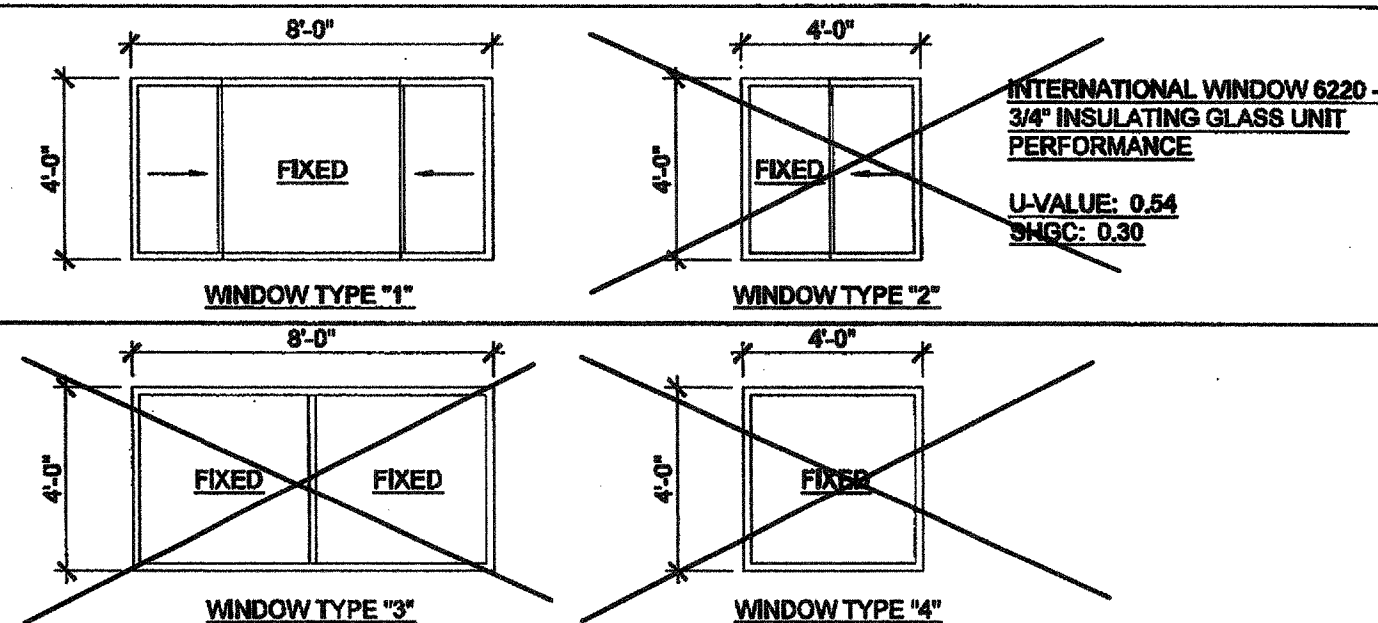
WINDOW SCHEDULE									
WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A	3	1	8'-0"	4'-0"	XOX	ANOD	DP		
B	3	2	4'-0"	4'-0"	XO	ANOD	DP		
C	3	3	8'-0"	4'-0"	FIXED	FRW	FRG		15 MINUTE ASSEMBLY
D	3	4	4'-0"	4'-0"	FIXED	FRW	FRG		15 MINUTE ASSEMBLY

#### WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME  
BRONZ: BRONZE ANODIZED ALUMINUM FRAME  
PAINT: PAINTED FRAME  
WF: 18GA WELDED FRAME  
FRW: FIRE RATED WINDOW  
FRG: FIRE RATED GLAZING: 1/4" WIRE GLASS, LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION 715.5  
\* TO BE DETERMINED BY CONSULTING WITH SITE SPECIFIC SUBMITTAL.

DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD WITH A LIGHT TRANSMISSION FACTOR OF 46%, ALL OPERABLE SASH SHALL HAVE SCREENS.

#### WINDOW TYPE



#### DOOR SCHEDULE

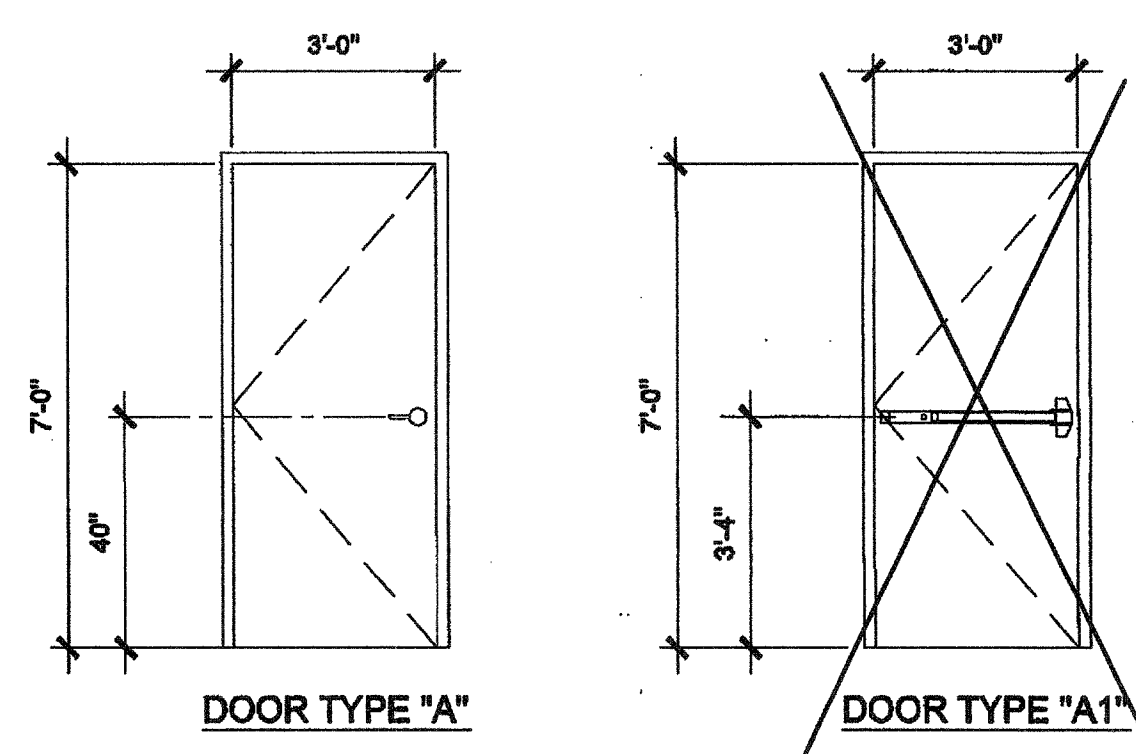
DOOR NO.	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES
1	3'-0"	7'-0"	A		HM	KD	HW-1	5 1/4"	
2	3'-0"	7'-0"	A		HM	KD	HW-2	5 1/4"	
3	3'-0"	7'-0"	A		SC	KD	HW-3	5 1/2"	
4	3'-0"	7'-0"	A		HM	KD	HW-4	4 7/8"	
5	3'-0"	7'-0"	A		HM	KD	HW-5	4 7/8"	NO CLOSER REQD

#### DOOR MATERIAL AND FINISH ABBREVIATIONS

HM: 18GA HOLLOW METAL  
WF: 18GA WELDED FRAME  
AL: ALUMINUM  
SST: STAINLESS STEEL

KD: KNOCK DOWN FRAME  
SC: SOLID CORE WOOD LEGACY  
HC: HOLLOW CORE WOOD  
PT: PAINTED

#### DOOR TYPES & NOTES



- DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF. HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
- ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
- CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
- PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER. CBC 1008.1.10
- ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECIFICATIONS ON THIS SHEET AND CBC SECTIONS 1133B.2 AND 1008
- DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 70°, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR 1133 B.2.5.1
- PANIC AND FIRE EXIT HARDWARE, WHERE PANIC AND FIRE EXIT HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:  
- THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.  
- THE MAXIMUM LATCHING FORCE SHALL NOT EXCEED 5 LBS PER 1117B.6.A.  
APPROVED BY AUTHORITY W/ JURISDICTION, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1008.1.10
- THE FIRE PROTECTION FOR EXTERIOR WALL IS DETERMINED BASED UPON THE FIRE SEPARATION DISTANCE IN WHICH THE WALL IS LOCATED. SEE CBC TABLE 705.8 OR TABLE 602

#### FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	
CLASSROOM 101	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-0"	
TOILET 102	SV	0" TS	FRP	FRP	FRP	FRP	CP	8'-0"	
GIRLS 103	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	
BOYS 104	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	
STAFF 105	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	

#### FLOOR, WALL, CEILING MATERIALS

**FLOORING**  
CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN  
SV: SHEET VINYL FLOORING  
VCT: VINYL COMPOSITION TILE  
  
**BASE**  
4" TS: 4" TOP SET BASE  
6" TS: 6" TOP SET BASE  
SC: 6" SELF-COVE BASE  
  
**WALLS**  
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING  
FRP: 1/2" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD  
GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH  
PLY: 1/2" PLYWOOD FINISH  
NF: NO FINISH  
  
**CEILING**  
CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)  
HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)  
GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

#### FINISH NOTES

- ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
- PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
- RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
- CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UN CUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER CBC SECTION 1124B.3. CARPET EDGED SHALL COMPLY WITH CBC SECTION 1124B.2.

#### DOOR HARDWARE

CLASSROOM -				EXTERIOR DOOR HW-1			
LOCKSET	SCHLAGE ND56PDRH0626 (cylindrical)	Finish 28D	or equal	LOCKSET	SCHLAGE ND56PDRH0626 (cylindrical)	Finish 28D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D	or equal	BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D	or equal
CLOSER	FALCON DEL 585	Finish 689	or equal	CLOSER	FALCON DEL 585	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal	WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal	THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal	DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
DOOR W/ PANIC HARDWARE -				EXTERIOR DOOR HW-2			
EXT DEVICE	VON DUPRIN 98L-2 w/ SCHLAGE rim cylinder	Finish Alum	or equal	EXT DEVICE	VON DUPRIN 98L-2 w/ SCHLAGE rim cylinder	Finish Alum	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D	or equal	BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D	or equal
CLOSER	NORTON 8501 BFDA	Finish 689	or equal	CLOSER	NORTON 8501 BFDA	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal	WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal	THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal	DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Alum	or equal	LOUVER	ANEMO 24 x 12	Finish Alum	or equal
STAFF RESTROOM / SINGLE OCCUPANCY -				INTERIOR DOOR HW-3			
LOCKSET	SCHLAGE ND40SRH0626 (cylindrical)	Finish 28D	or equal	LOCKSET	SCHLAGE ND40SRH0626 (cylindrical)	Finish 28D	or equal
BUTTS	HAGER 1279 4 1/2" x 4 1/2"	Finish 28D	or equal	BUTTS	HAGER 1279 4 1/2" x 4 1/2"	Finish 28D	or equal
BOYS & GIRLS RESTROOM -				EXTERIOR DOOR HW-4			
LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish 28D	or equal	LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish 28D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D	or equal	BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D	or equal
CLOSER	NORTON 8501 BFDA (cylindrical)	Finish 689	or equal	CLOSER	NORTON 8501 BFDA (cylindrical)	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal	WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal	THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal	DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Alum	or equal	LOUVER	ANEMO 24 x 12	Finish Alum	or equal
STAFF RESTROOM -				EXTERIOR DOOR HW-5			
LOCKSET	SCHLAGE ND56PDRH0626 (cylindrical)	Finish 28D	or equal	LOCKSET	SCHLAGE ND56PDRH0626 (cylindrical)	Finish 28D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D	or equal	BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal	WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal	THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal	DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Alum	or equal	LOUVER	ANEMO 24 x 12	Finish Alum	or equal

#### INSULATION SPECIFICATIONS

**MOISTURE PROTECTION INSULATION:**  
DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, AND EXTERIOR WALLS. (CLASS 1 = 0-25 FLAME SPREAD; SMOKE DEVELOPMENT DENSITY LESS THAN 450).

MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 719.2-719.3. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTEC, OR EQUAL.

**INSULATION VALUES**  
SEE SHEETS A-0.8, A-0.7 FOR REQUIRED INSULATION VALUES PER CLIMATE ZONE

**EXTERIOR WALL INSULATION (MIN.)**  
☐ R-13 (2x4)  
☒ R-19 (2x6)  
☐ R-30 (2x8)

**INTERIOR WALL INSULATION (MIN.)**  
R-13

**FLOOR INSULATION (MIN.)**  
☐ NONE  
☐ R-13  
☒ R-19

**ROOF INSULATION (MIN.)**  
☒ R-19  
☐ R-30  
☐ R-19 BETWEEN JOISTS AND R-19 BELOW JOISTS

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SILVER CREEK INDUSTRIES, INC.



195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

SHEET TITLE:

#### SCHEDULES

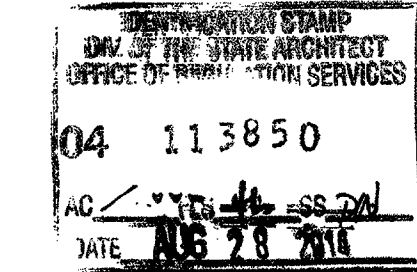


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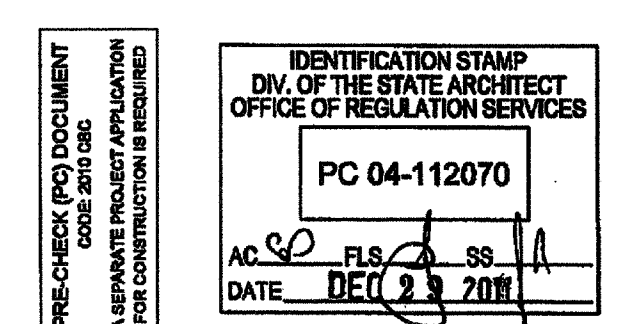
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PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

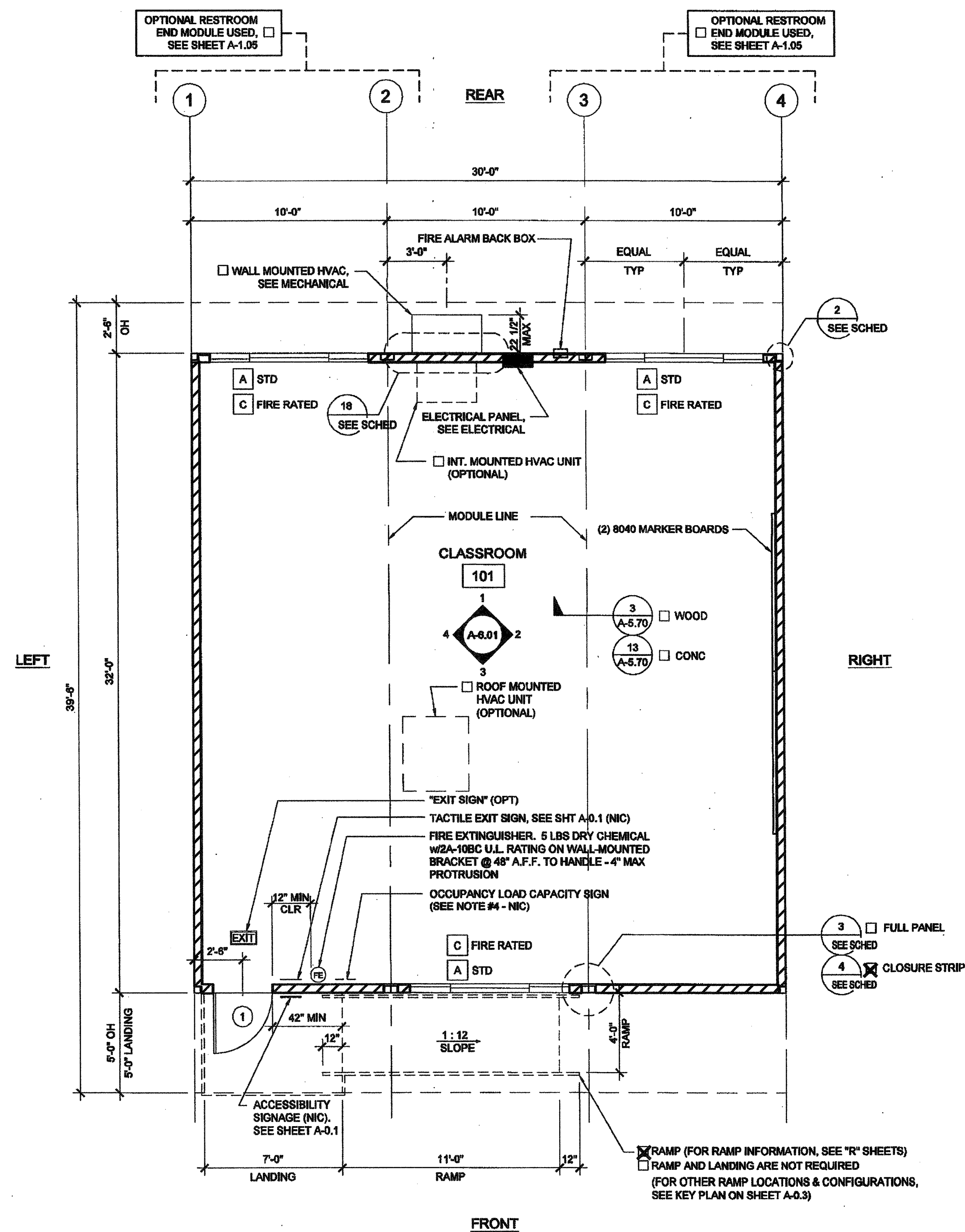

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:	03 117001
DRAWN BY:	AC/FLS/SS/PC
SCALE:	AS NOTED
DATE:	6-17-11
P.C. SHEET NUMBER	A-0.2

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

03 117001  
AC/FLS/SS/PC  
Date 4/20/16





FLOOR PLAN

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

03 117001  
AC FL 01 SS PC  
Date 4/20/16

SCALE: 1/4" = 1'-0" 1

## NOTES

- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE.
  - (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, AND  $K_{zt} = 1.0$  2010 CBC
- VINYL TACKBOARD INTERIOR FINISH SHALL HAVE A FLAME SPREAD RATING OF CLASS A AND A SMOKE DENSITY OF 175
- LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
- POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CBC 1004.3 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
- IF BUILDING IS TO BE RELOCATED, SEE RELOCATION DETAILS ON SHEETS REL-101 AND REL-102

A. SINK / CABINET OPTION  
LOCATION @ END OF WALL  
OR SIDE WALL  
T.B.D.

## DETAIL SCHEDULE

FINISH:	SHEET #:
<input type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

## FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

## WALL LEGEND

- NOMINAL 4" WALL STUD ☐
- NOMINAL 6" WALL STUD ☒
- NOMINAL 8" WALL STUD ☐

NOTE:  
IF PARAPET USED IS HIGHER THAN 18" END WALLS MUST BE 2x6 @ 24" O.C.

## RATED CONSTRUCTION

ALL RATED CONSTRUCTION (BOTH VERTICAL AND HORIZONTAL) MUST BE CLEARLY DEFINED, CORRECTLY IDENTIFIED, DETAILED, AND LISTED IN ACCORDANCE WITH CBC CHAPTERS 3, 5, 6, 7 & 10 (FIRE PARTITIONS, BARRIERS, WALLS, SHAFTS, EGRESS PROTECTION, CEILINGS, OPENING PROTECTION, PENETRATION, STRUCTURAL MEMBERS, ETC.)

PROVIDE AND CROSS-REFERENCE INSULATION DETAILS, SPECIFYING ASSEMBLY LISTING NUMBERS FOR ALL REQUIRED DESIGN ELEMENTS. THESE DETAILS, INCLUDING ALL COMPONENTS AND ATTACHMENT SCHEDULE FOR FIRE-RESISTIVE MATERIALS TO THE FRAMING, SHALL CONFORM IN EVERY PARTICULAR WITH THE DESIGN NUMBER SPECIFIED.

PROVIDE AND CROSS-REFERENCE CONNECTION DETAILS AT ALL WALL TERMINATIONS (HEAD, BASE AND END) DEMONSTRATING CONTINUITY PER CBC 706.5.

PROVIDE AND CROSS-REFERENCE DETAILS OF ALL PENETRATIONS & OPENING PROTECTION IN RATED ASSEMBLIES.

COORDINATE PENETRATION PROTECTION REQUIREMENTS WITH ALL DESIGN ELEMENTS (ELECTRICAL, MECHANICAL, PLUMBING, STRUCTURAL, FIRE ALARMS, SPRINKLERS, ETC.)

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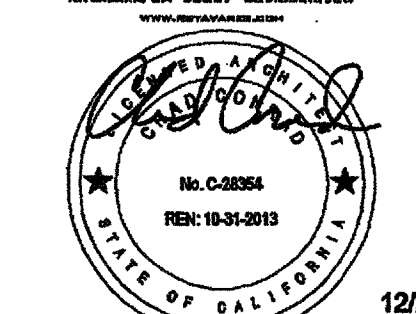
195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

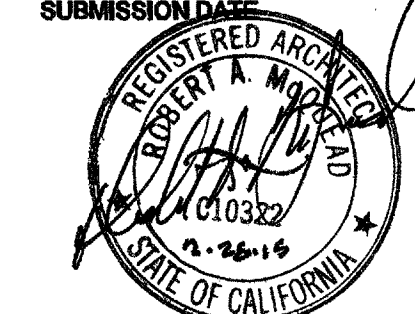
SHEET TITLE:

FLOOR PLAN  
30' x 32'

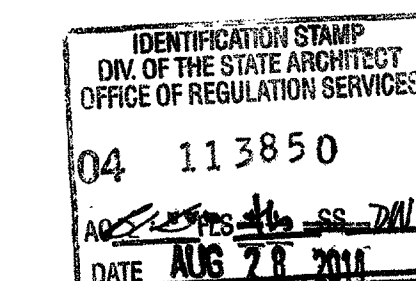


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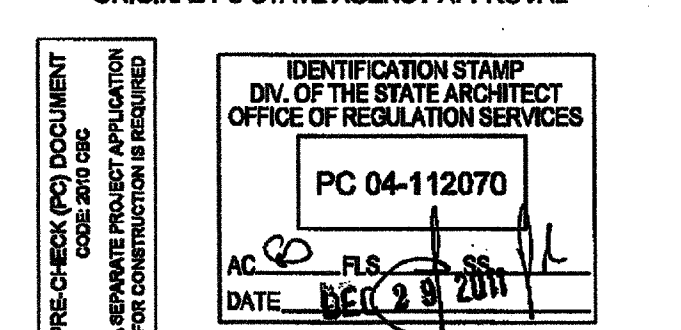
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PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS


SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 8-17-11

P.C. SHEET NUMBER  
A-1.01

STKP-123

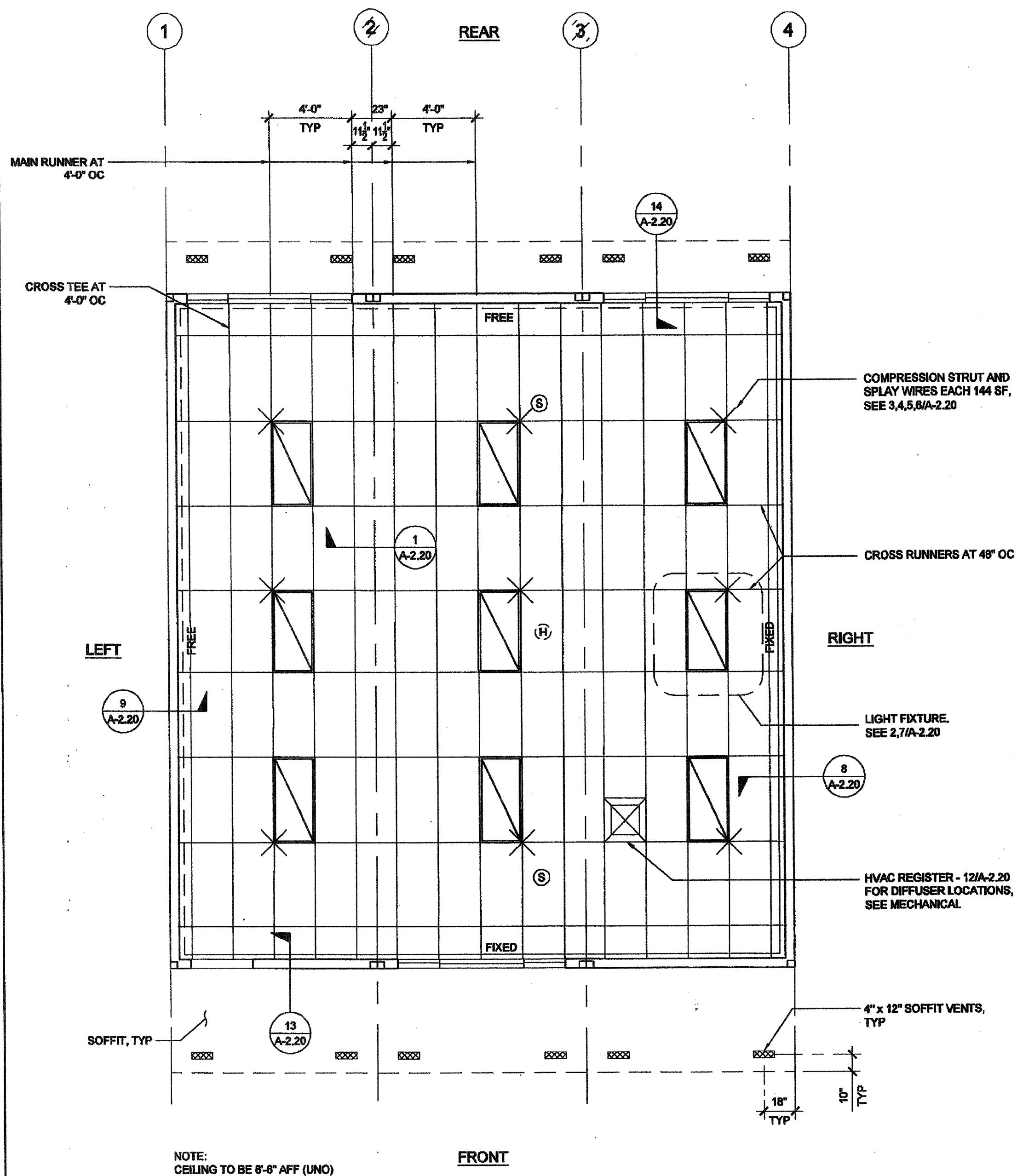


NOT USED

2 REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"

1



LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE
- \*OPTIONAL\* 1' x 4' RECESSED LIGHT FIXTURE
- SPLAY WIRE
- CEILING MOUNTED SMOKE DETECTOR
- ATTIC MOUNTED HEAT DETECTOR
- SUPPLY AIR REGISTER
- CEILING EXHAUST FAN

NOTE:  
FOR ALL REFLECTED CEILING NOTES  
SEE SHEET A-0.1

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
03 117001  
AC: FLS: GS: PC  
DATE: 4/20/16

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS PA-041  
MAIN RUNNER: 7301  
4' CROSS TEE: XL7341  
2' CROSS TEE: XL7328  
STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308) 2"  
WALL ANGLE: 7810 (OPTIONAL)

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SILVER CREEK INDUSTRIES, INC.



195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

SHEET TITLE:

REFLECTED CEILING  
PLAN  
30' x 32'

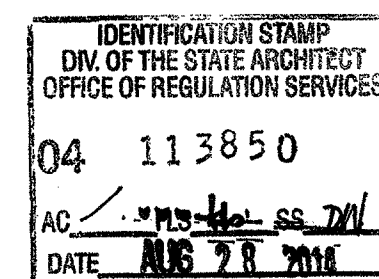


12/23/2011

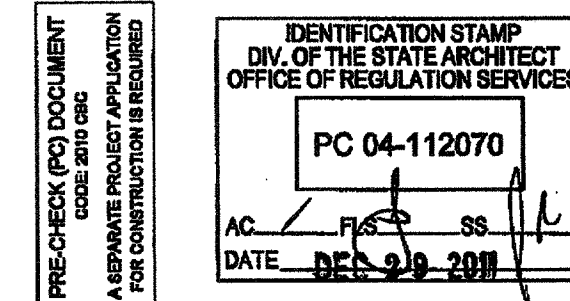
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SUBMISSION



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS


SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:

DRAWN BY:

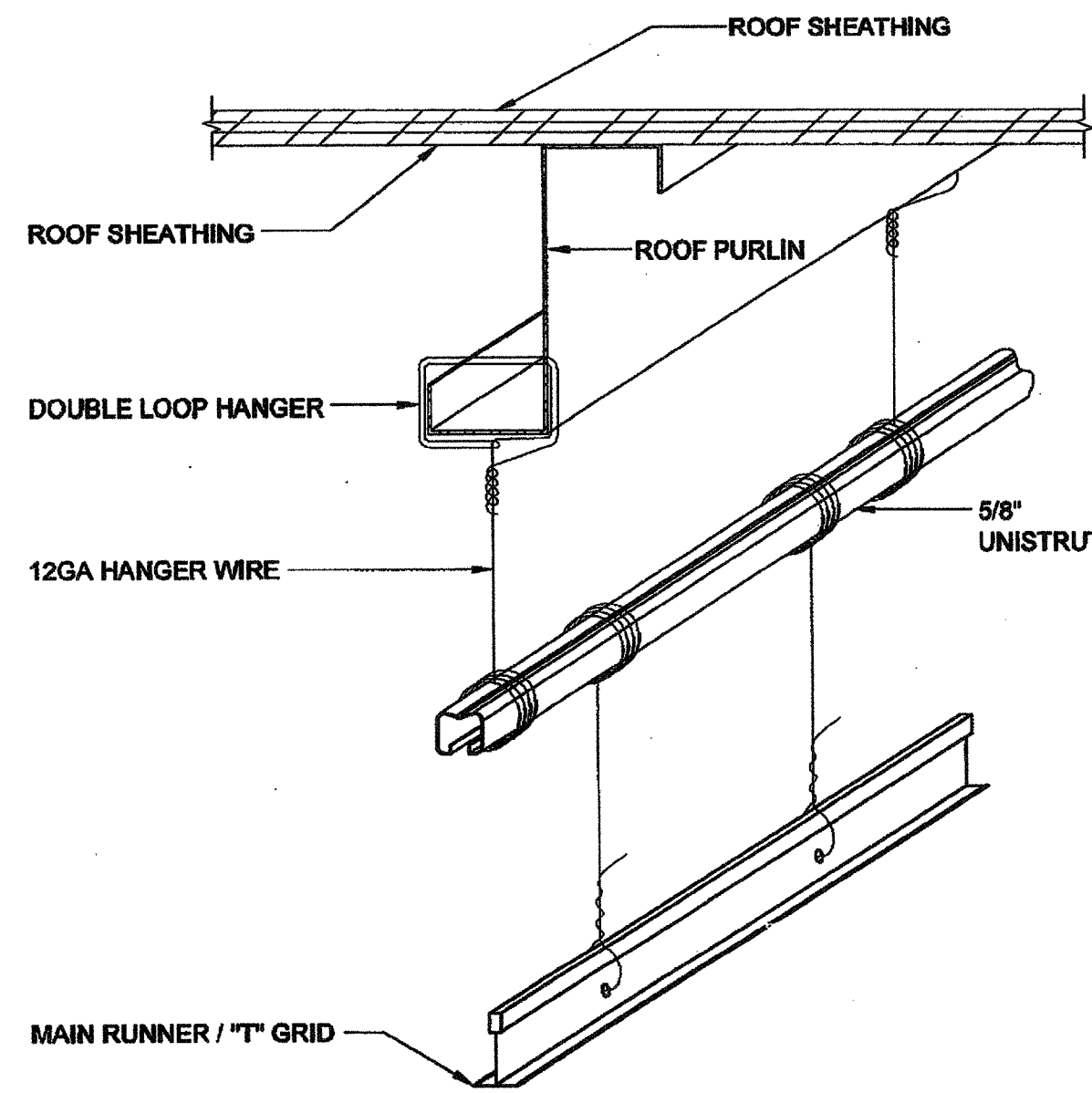
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DATE: 8-17-11

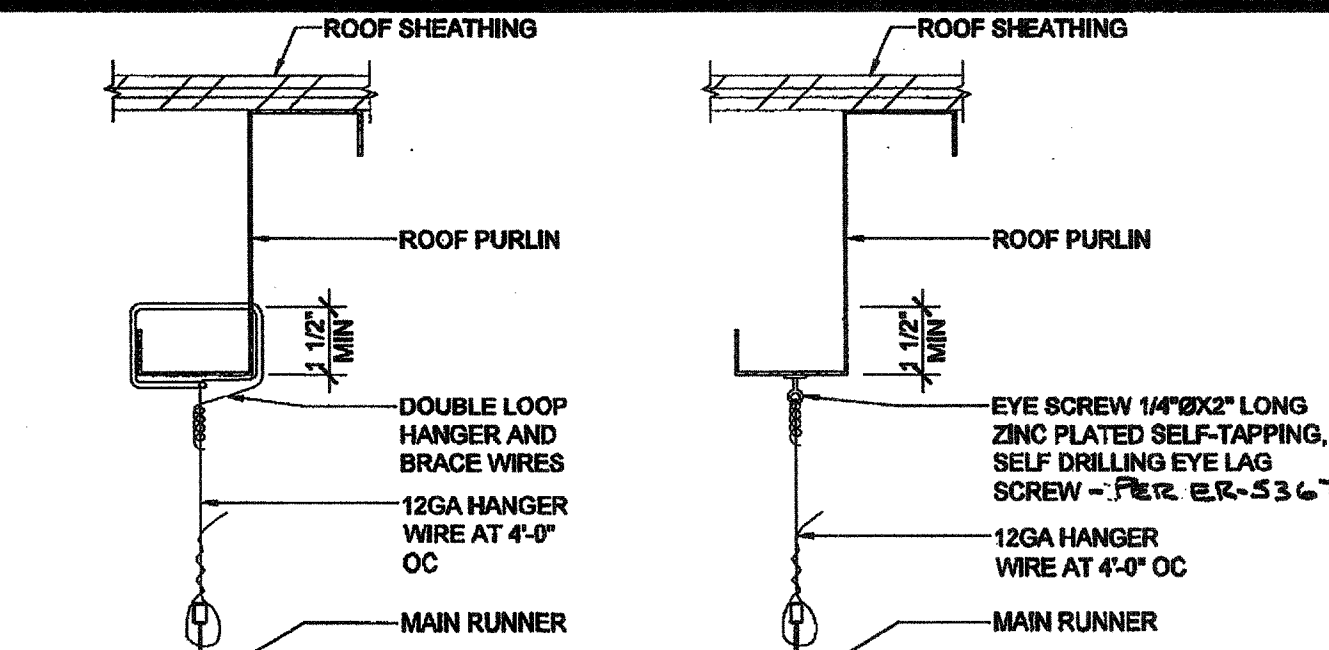
P.C. SHEET NUMBER

A-2.01

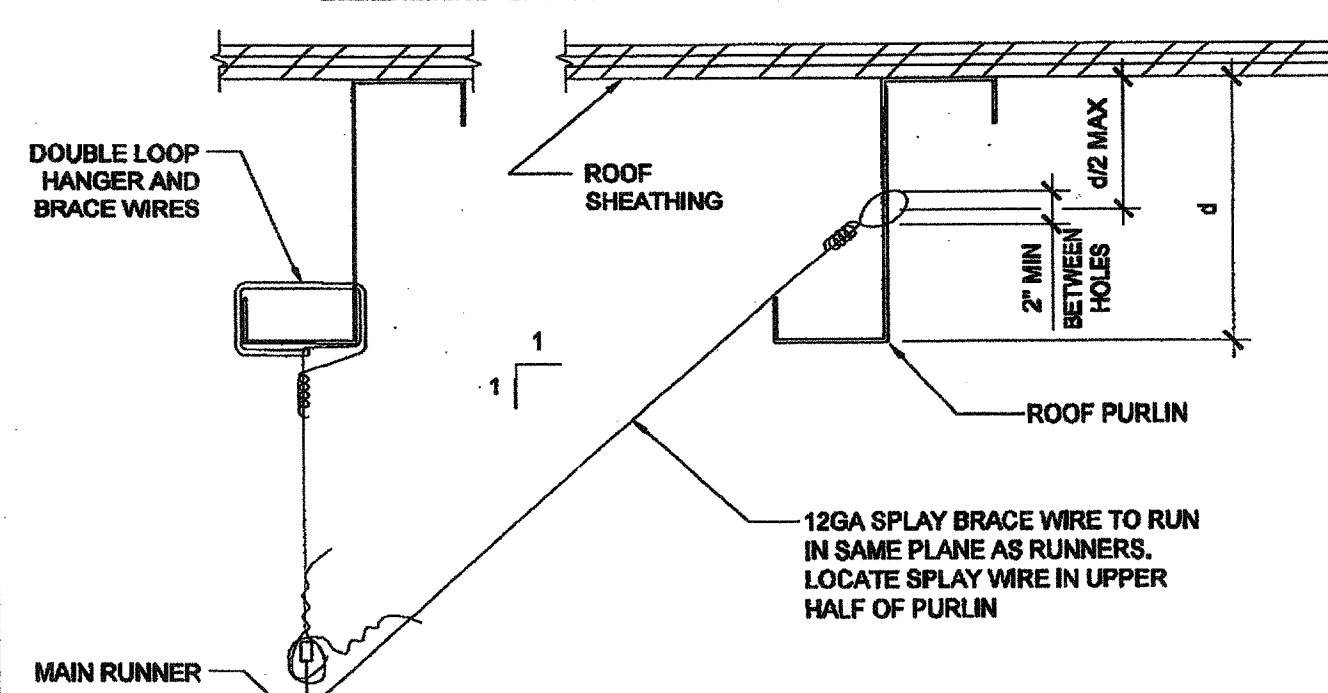




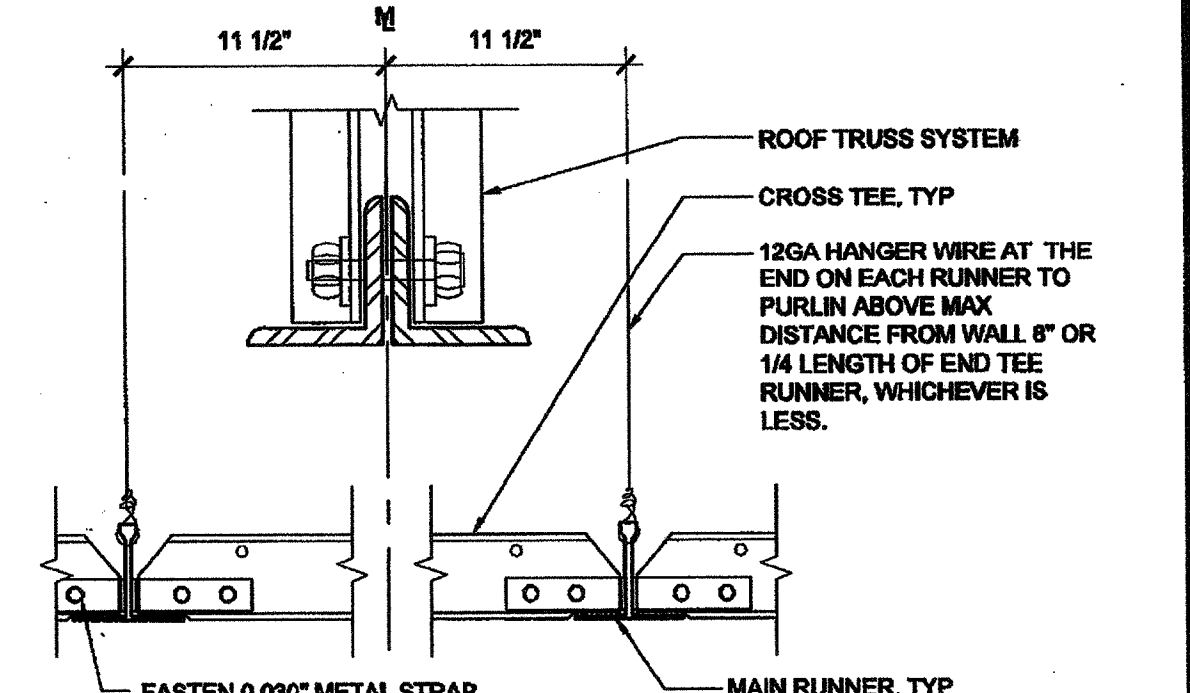
TRAPEZE DETAIL

TYPICAL  
HANGER WIRE DETAIL

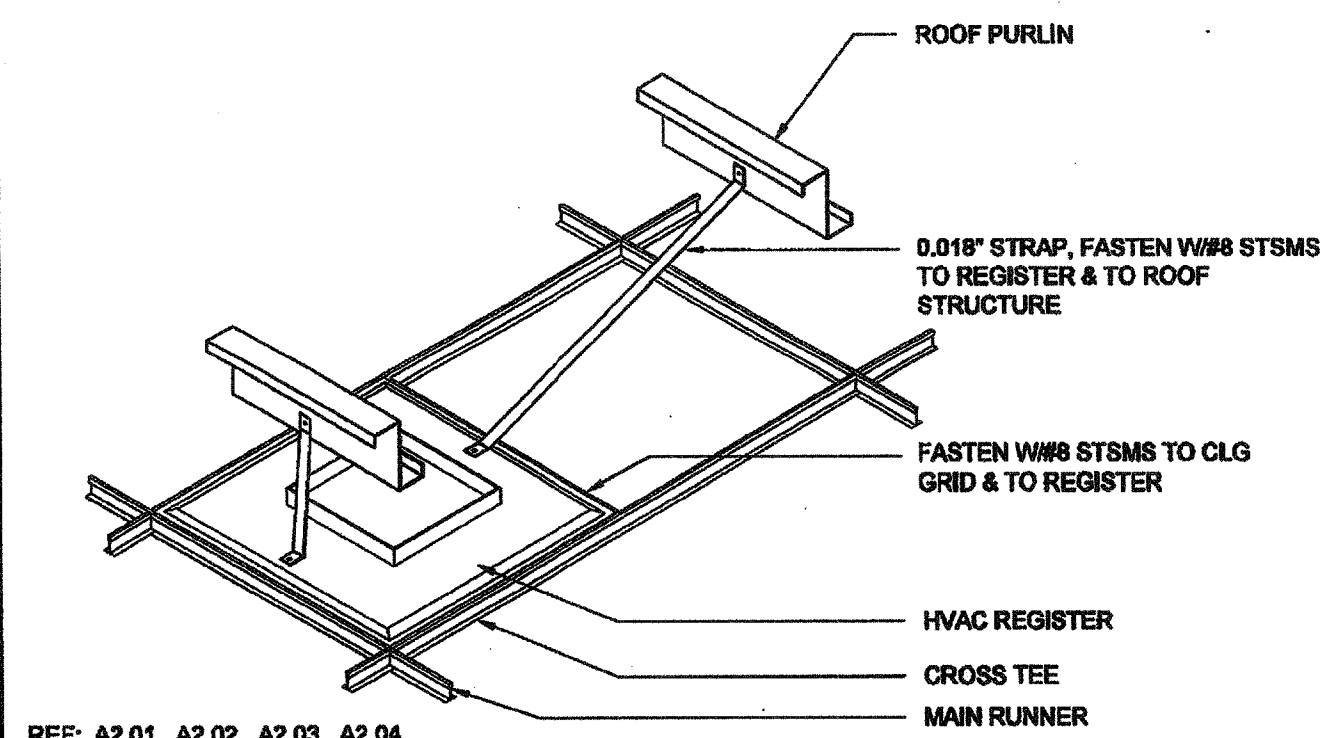
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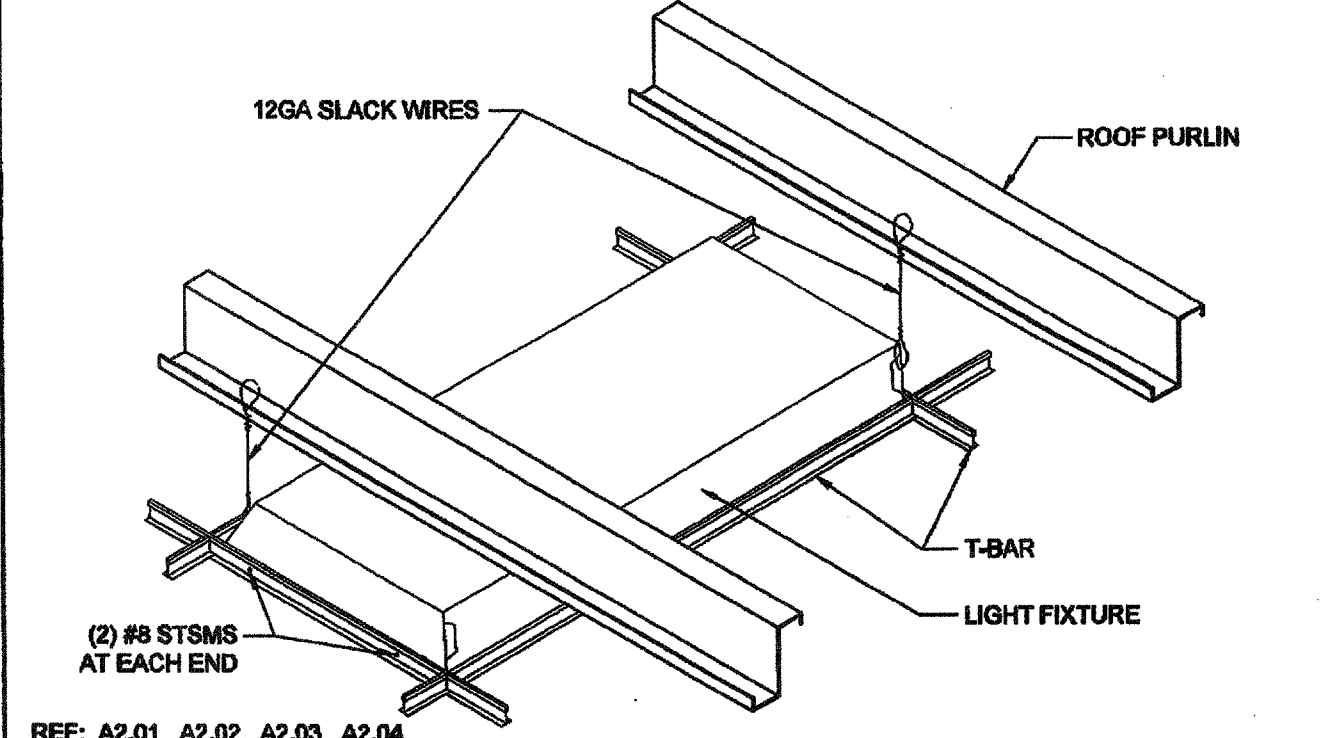
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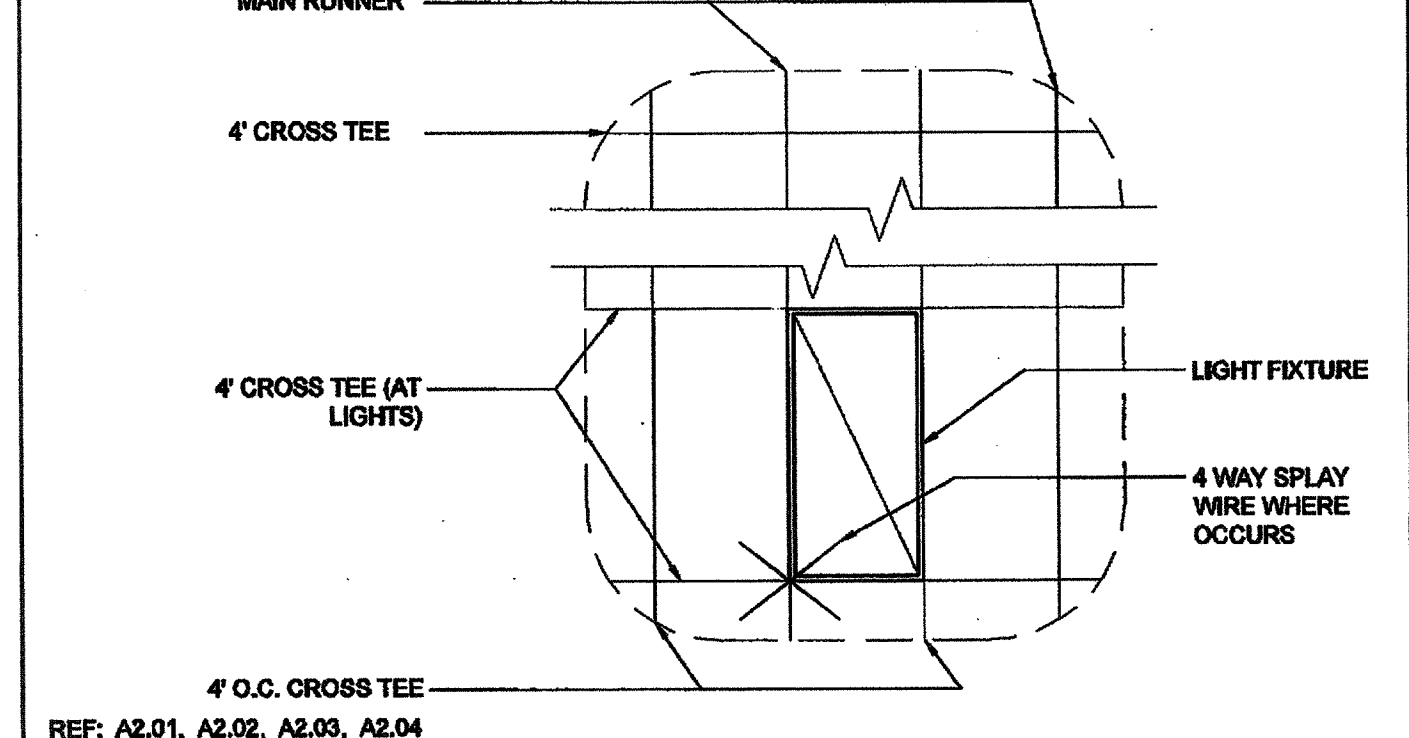
GRID AT MIDLINE



HVAC REGISTER MOUNTING

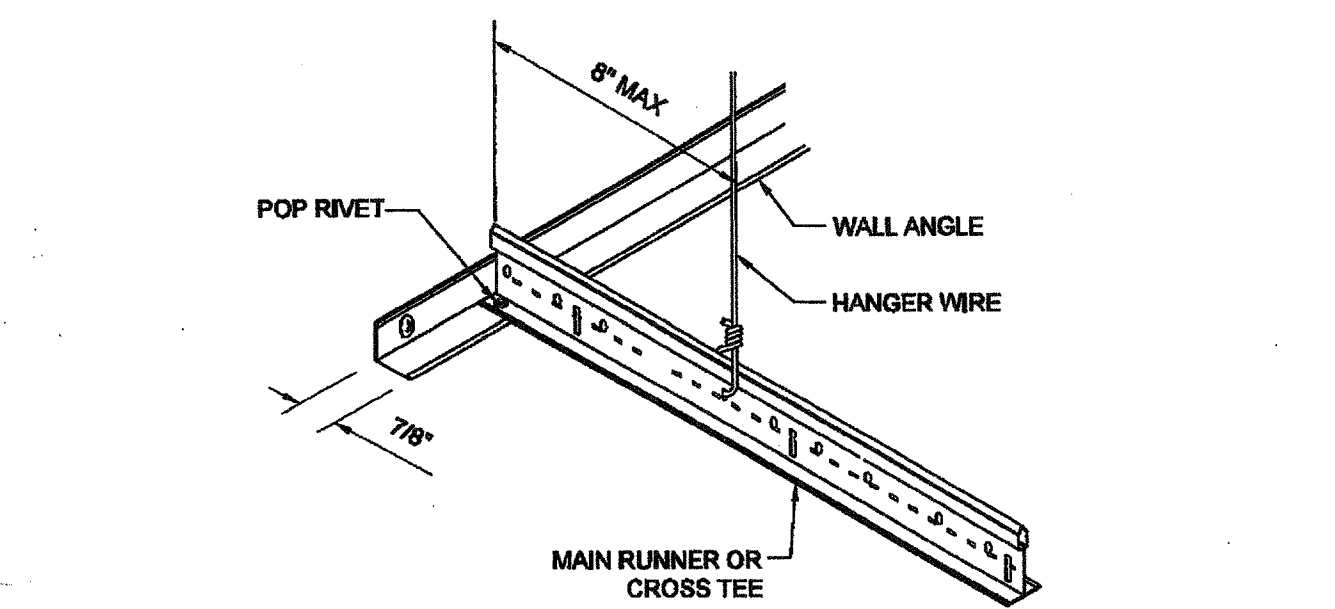


LIGHT FIXTURE MOUNTING

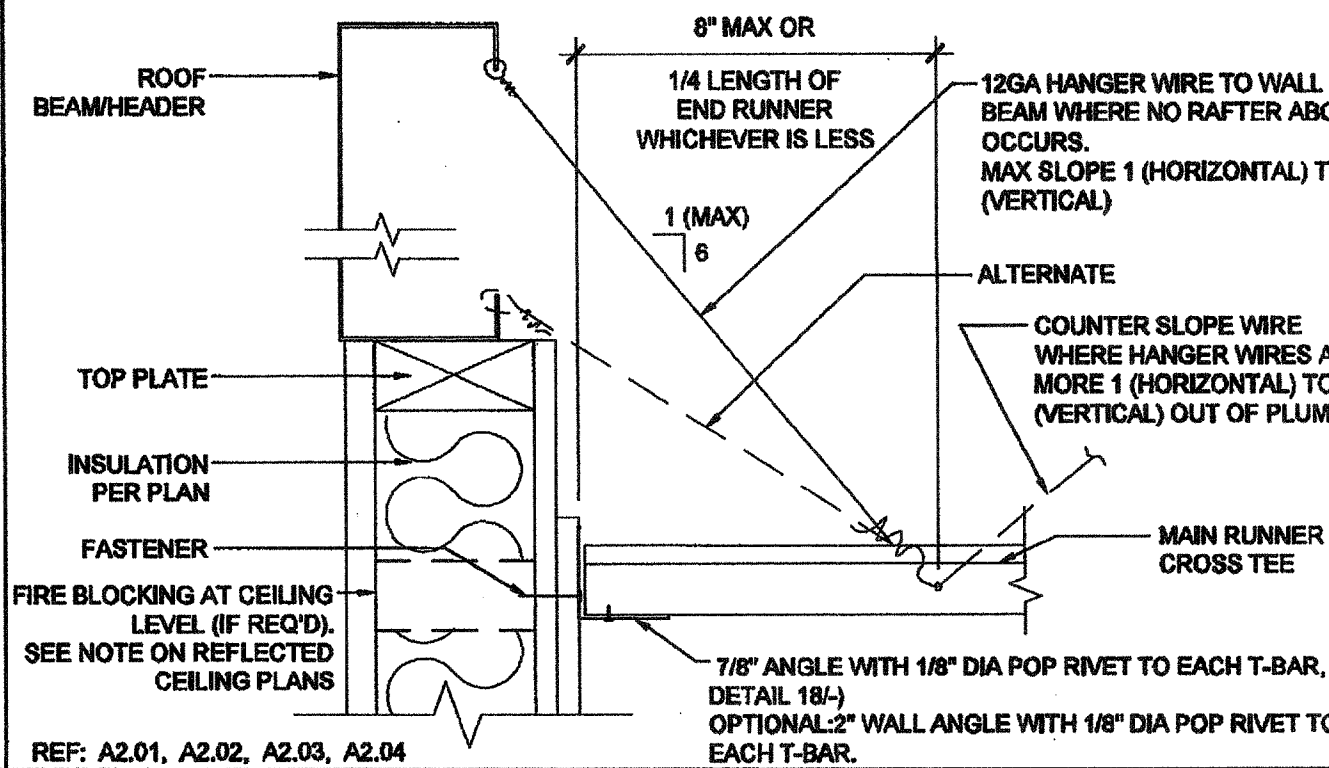


4' CROSS TEE AT MODLINE

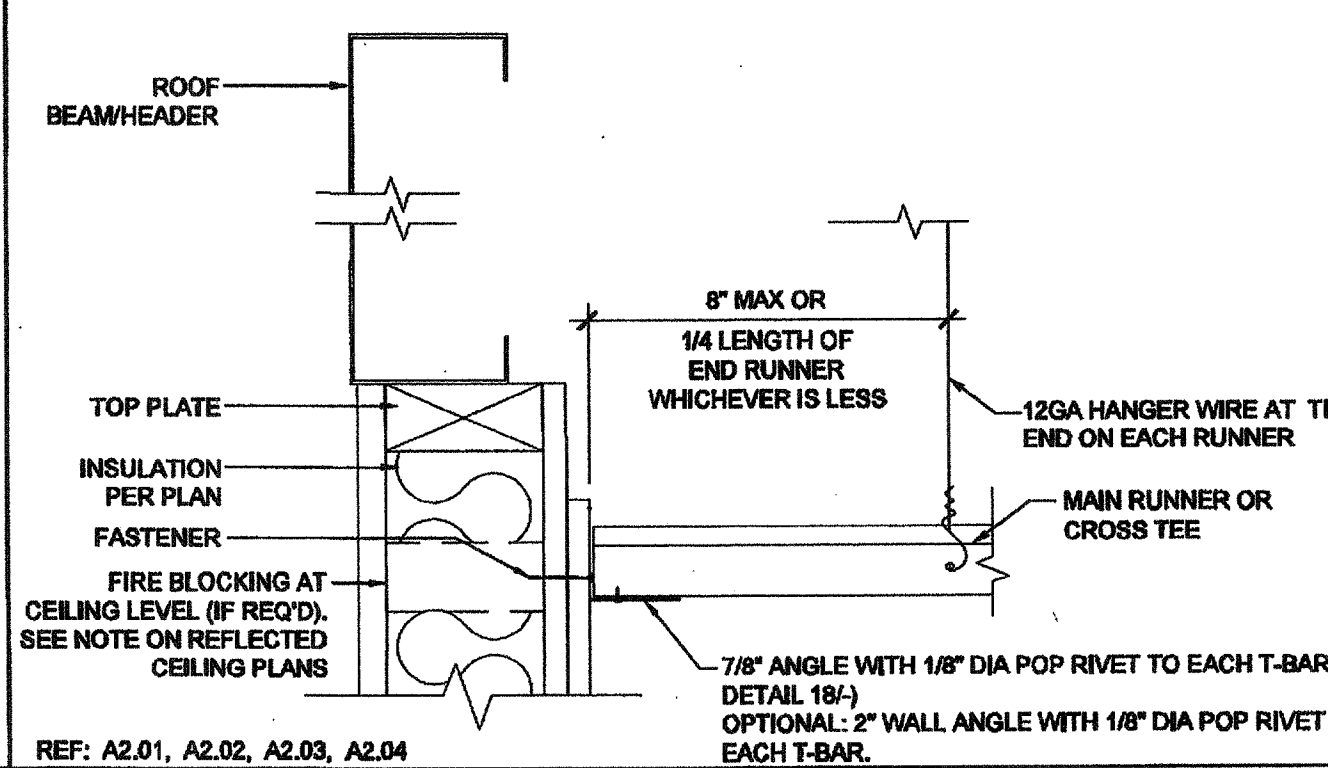
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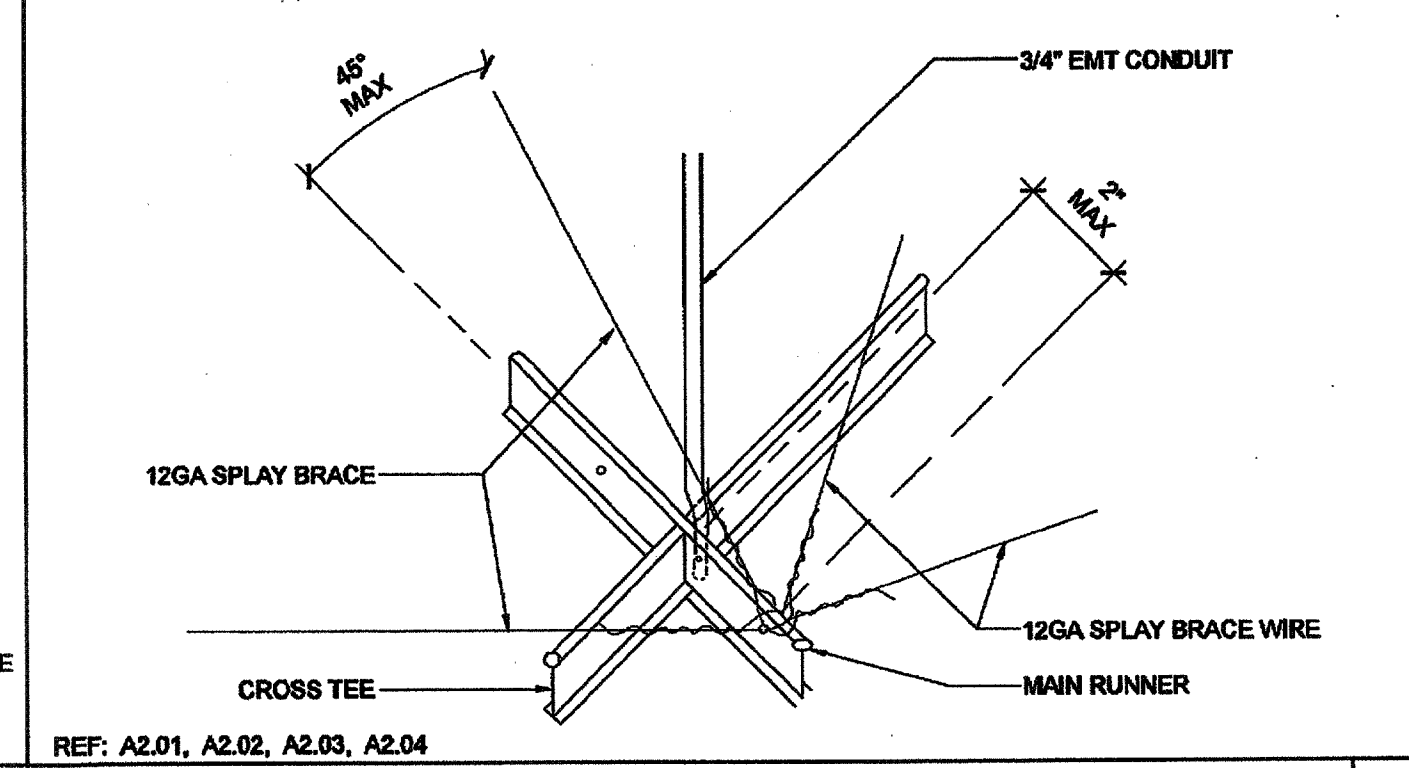
FIXED SIDE WITH 7/8" ANGLE



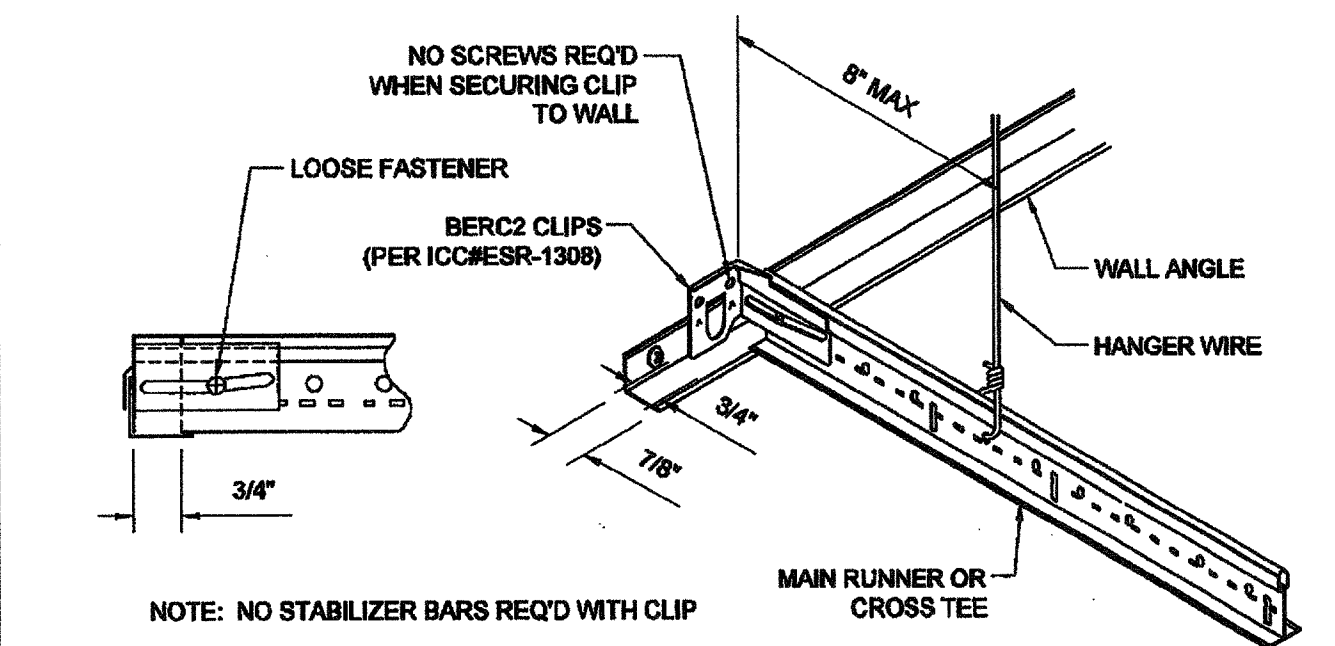
FIXED SIDE (ENDWALL)



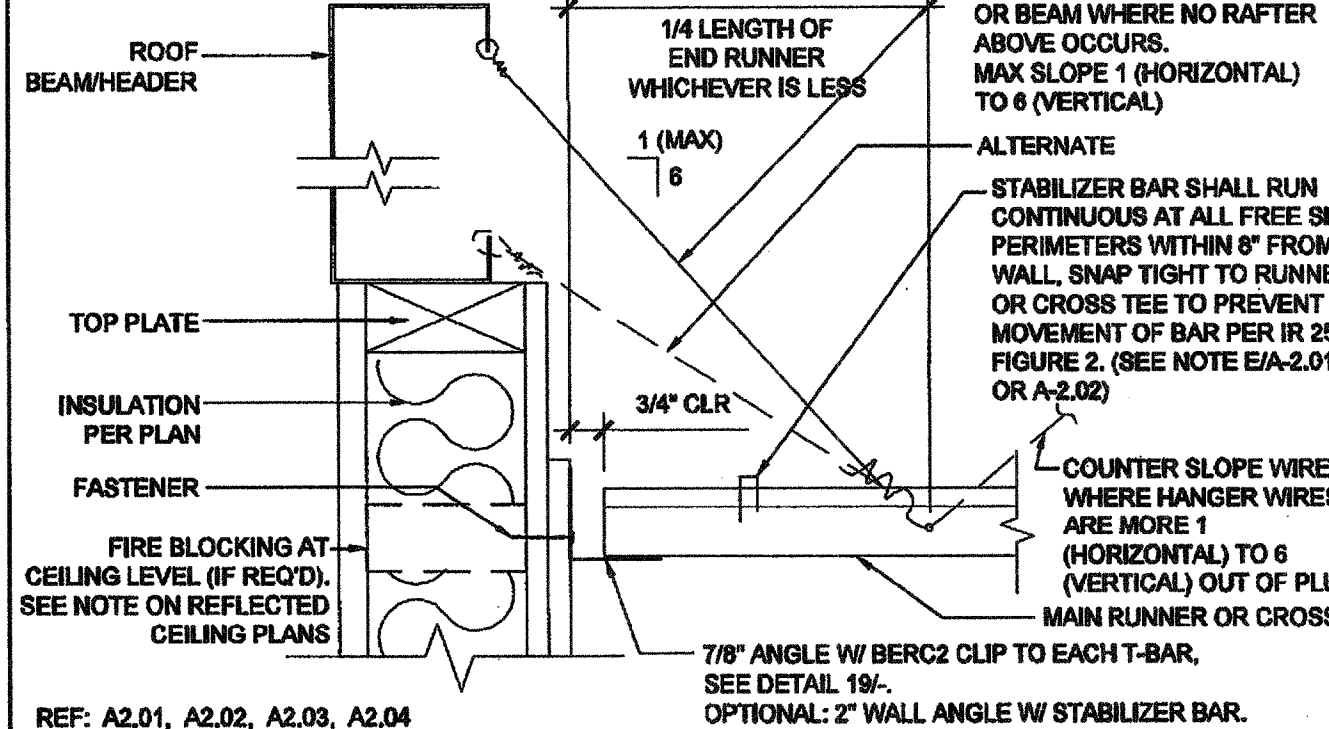
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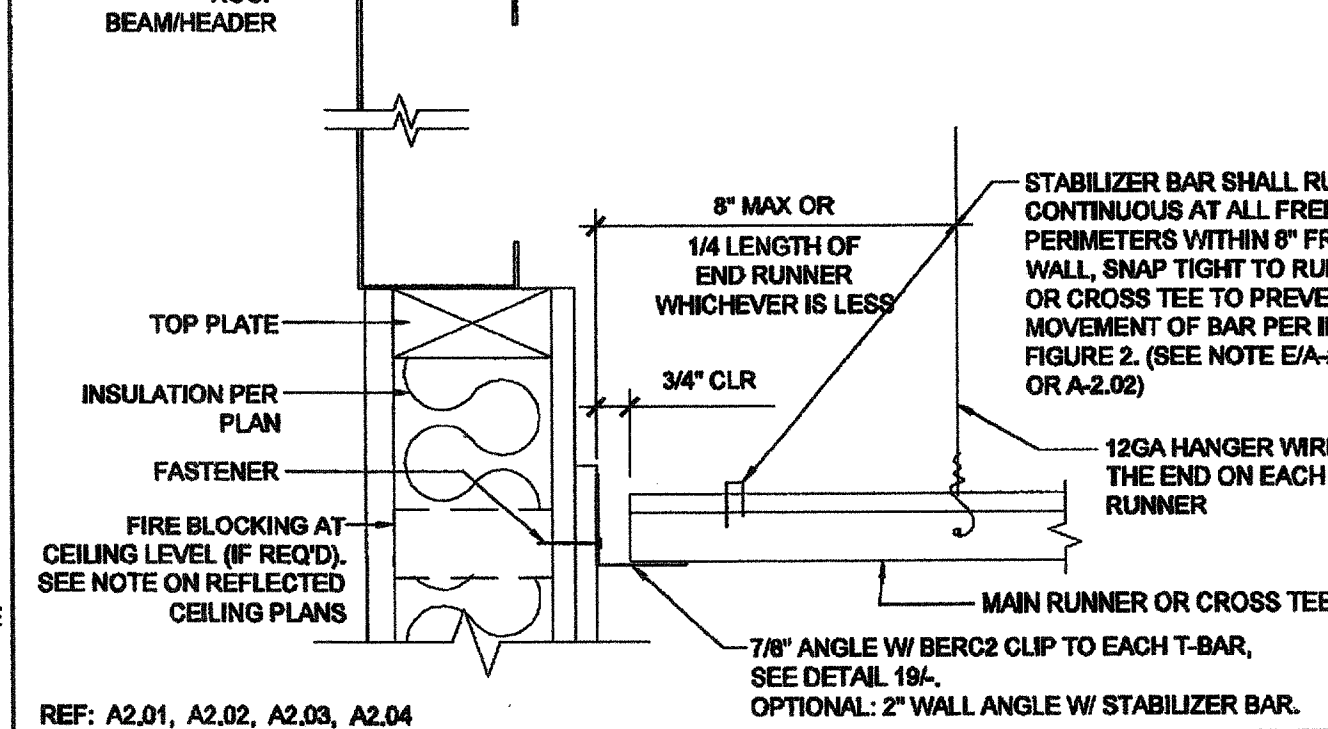
SEISMIC SPLAY - 4 WAY



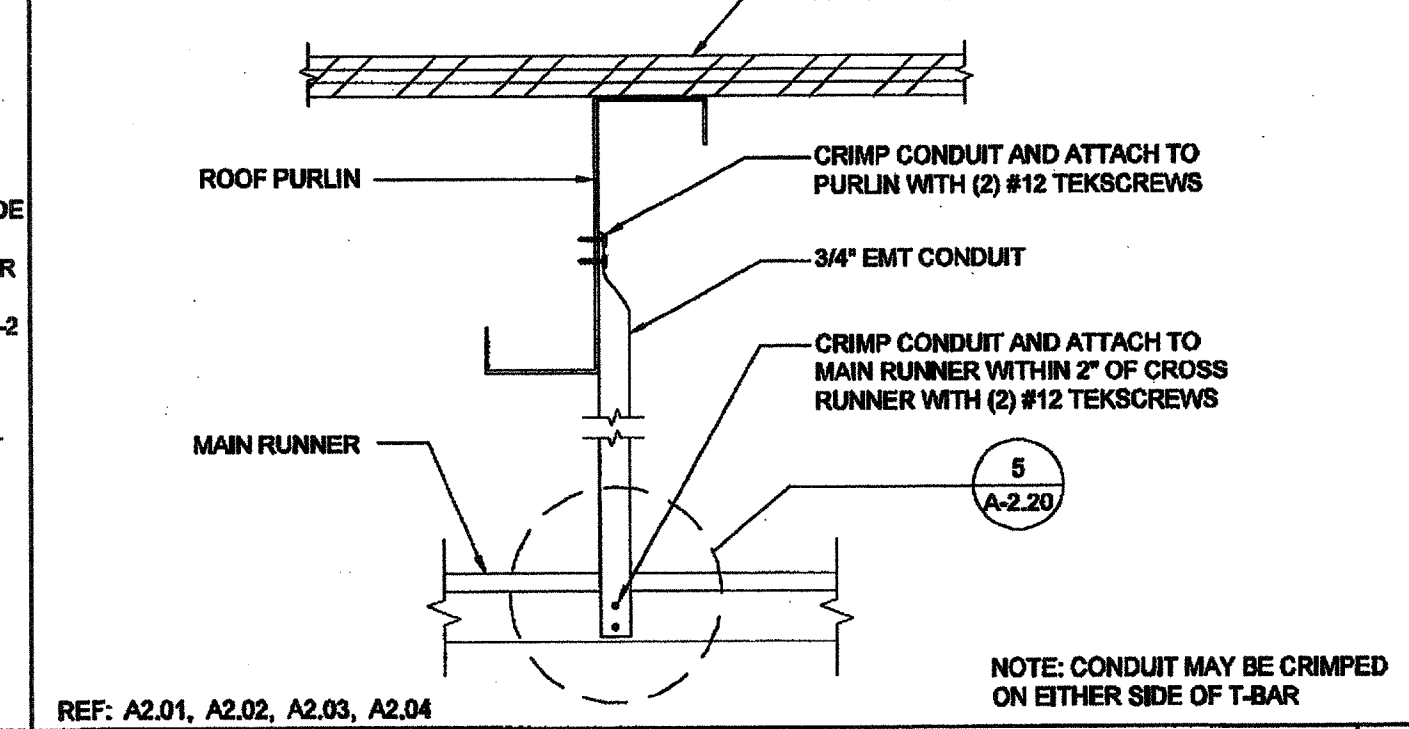
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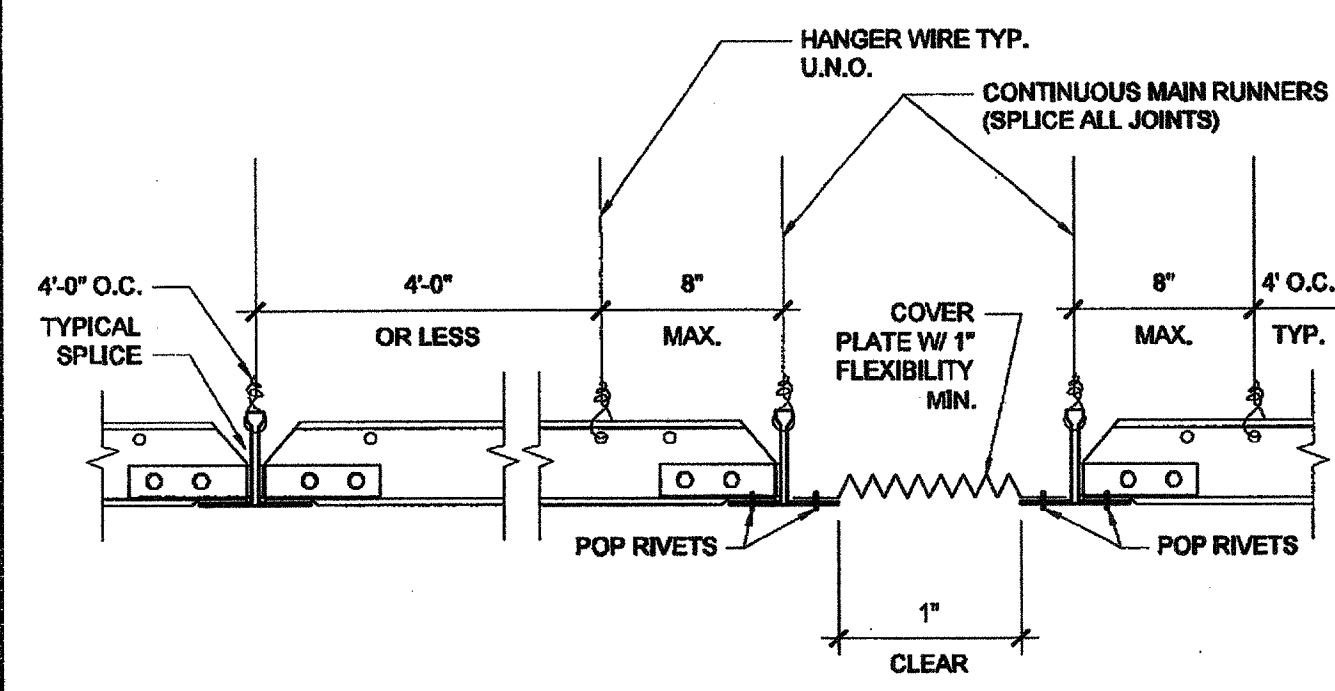
FREE SIDE (ENDWALL)



FREE SIDE (SIDEWALL)



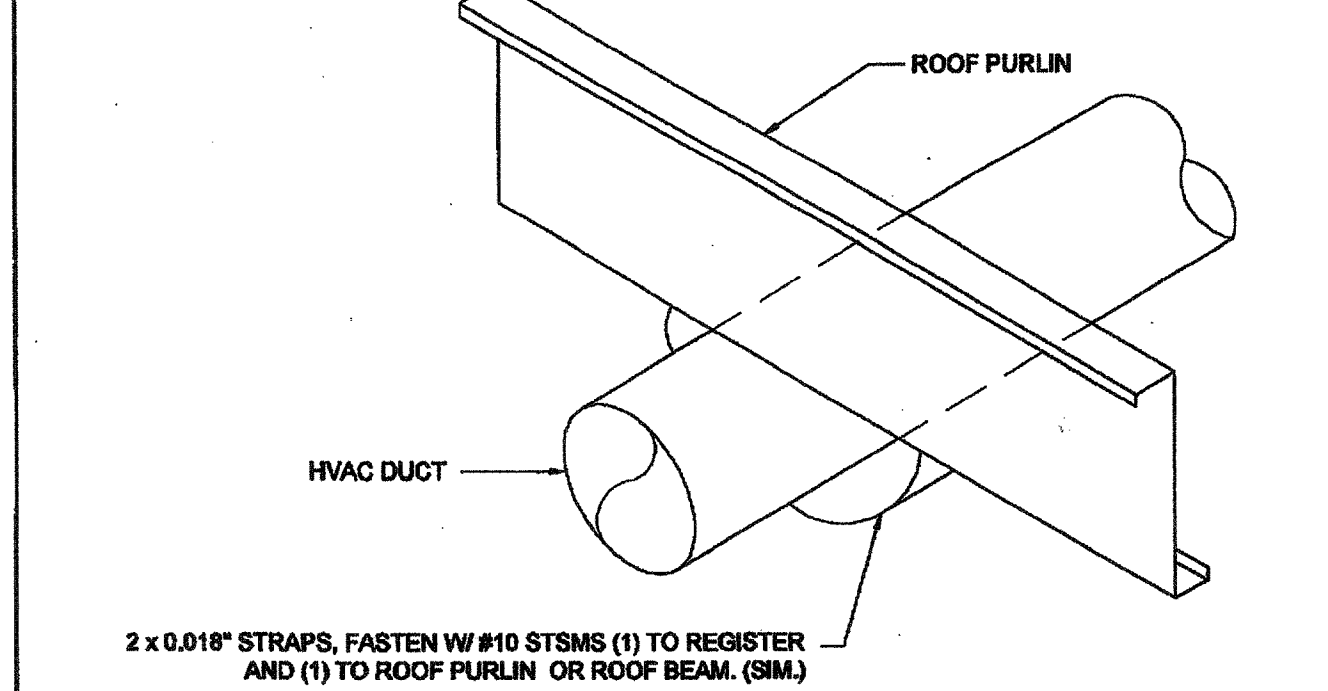
COMPRESSION STRUT



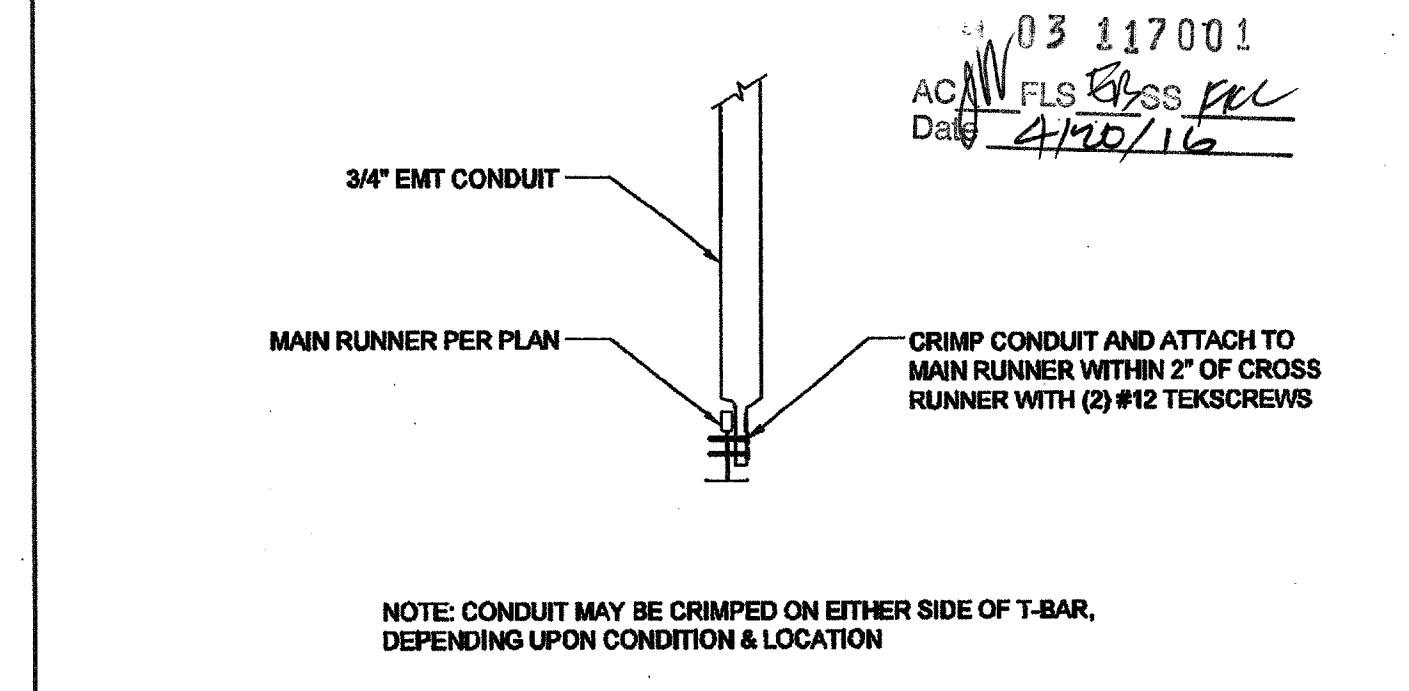
GRID SEISMIC SEPARATION JOINT



HVAC DUCTWORK MOUNTING



COMPRESSION STRUT



COMPRESSION STRUT

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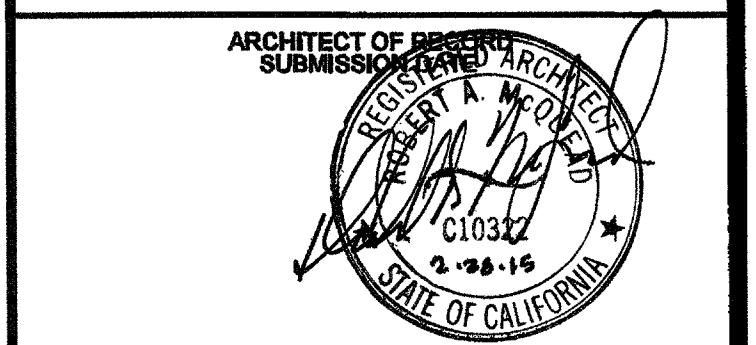
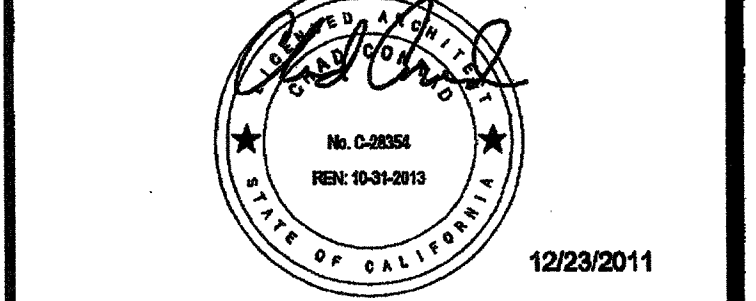
SILVER CREEK INDUSTRIES, INC.



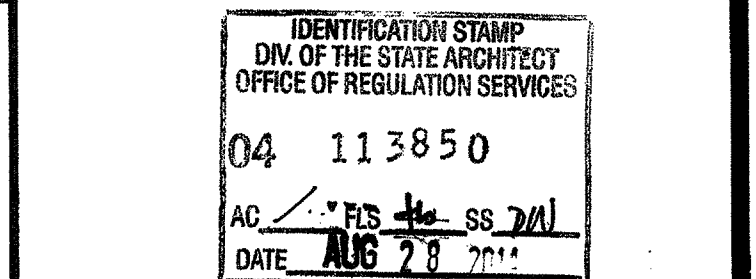
195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**CLASS LEASING  
CLASSROOMS BLDG'S**

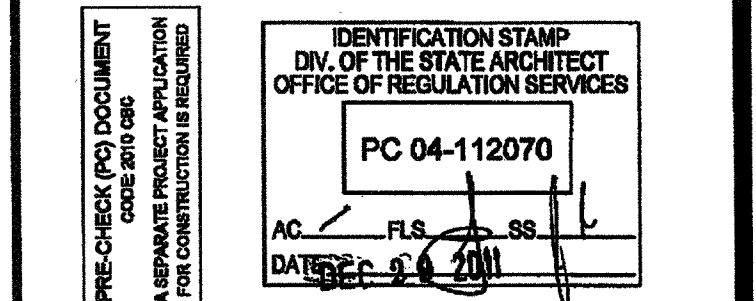
SHEET TITLE:  
**CEILING DETAILS  
T-GRID**



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



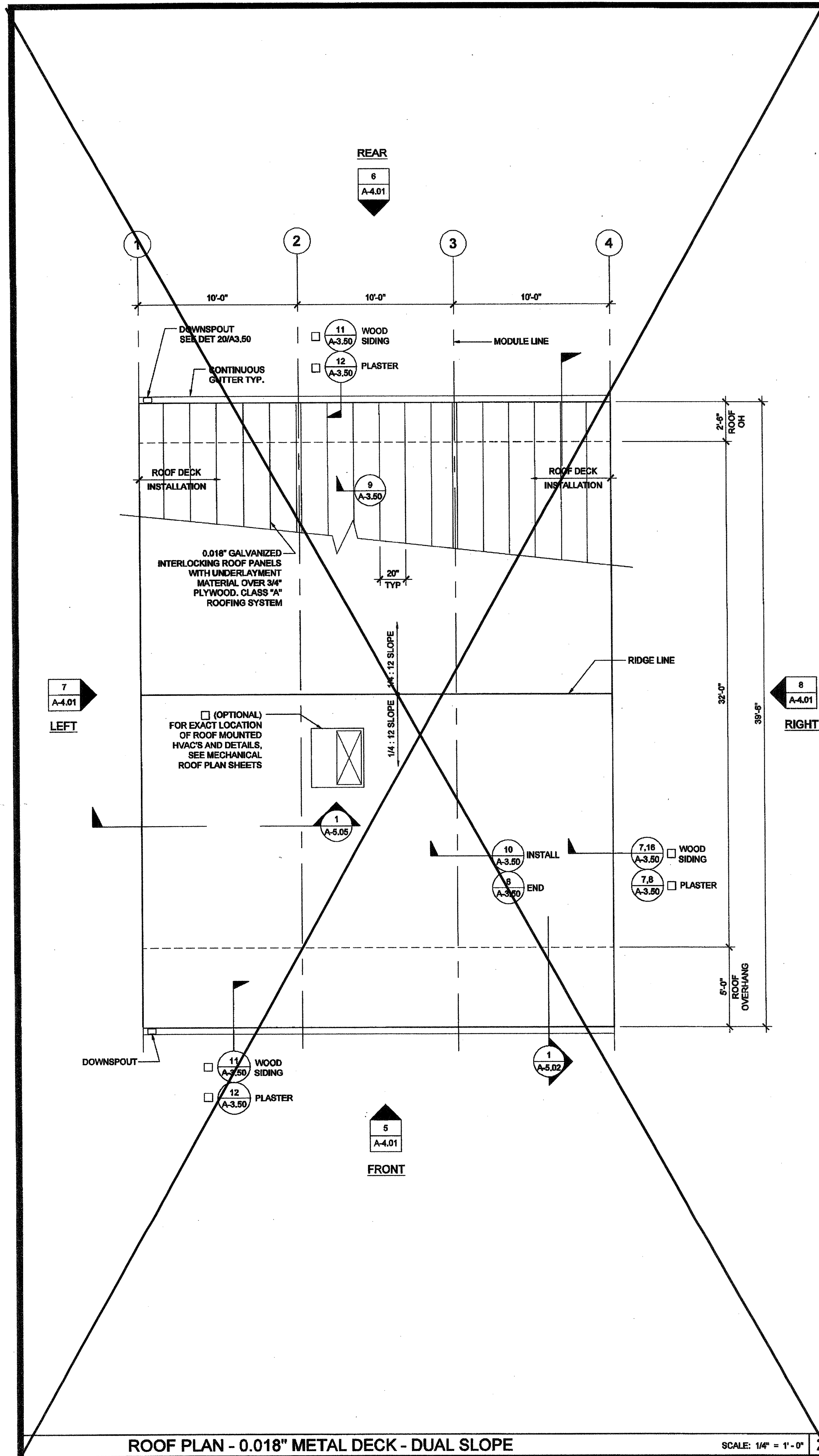
REVISIONS


SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 6-17-11

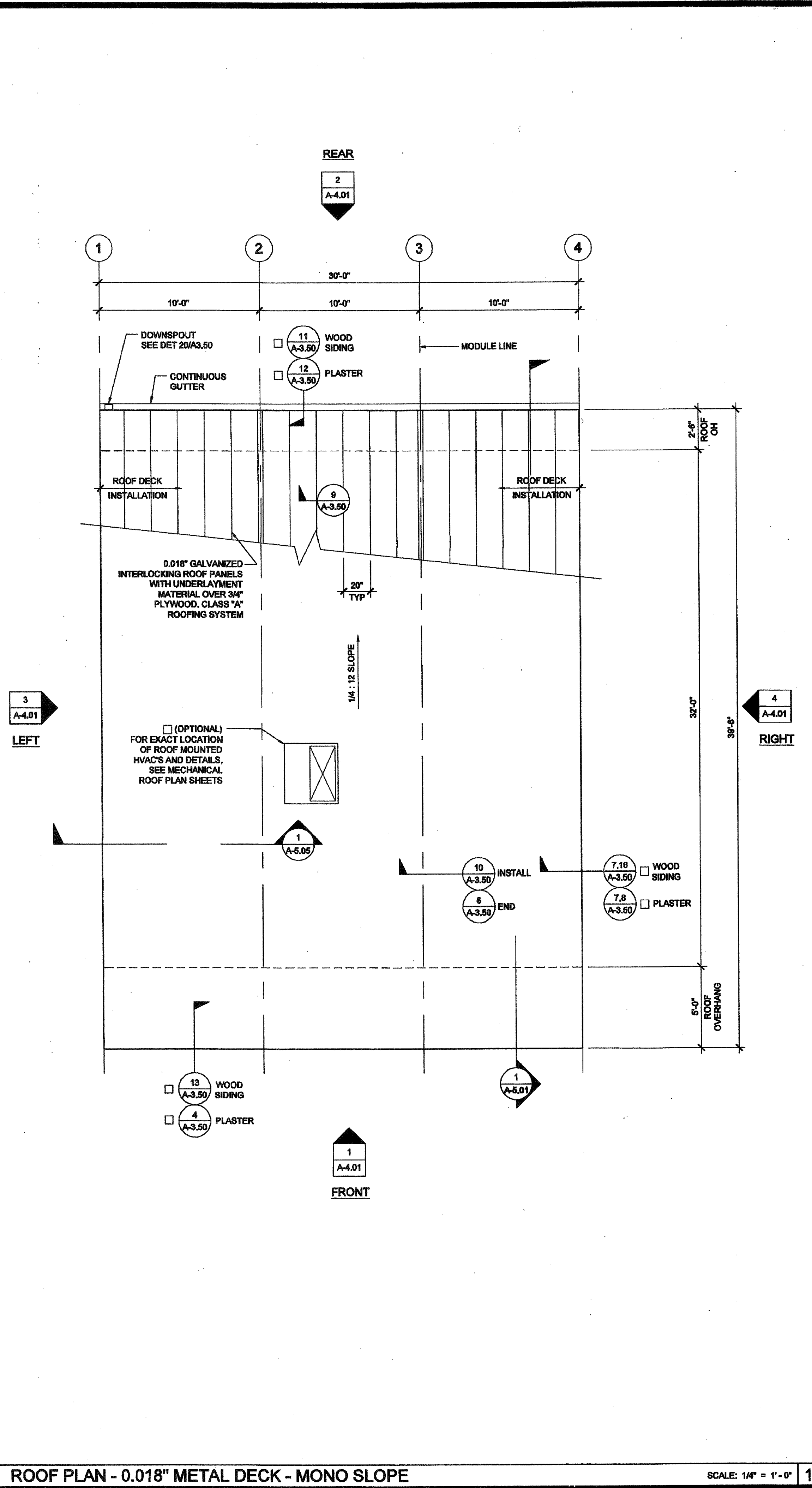
P.C. SHEET NUMBER  
**A-2.20**





ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE

SCALE: 1/4" = 1'-0"



ROOF PLAN - 0.018" METAL DECK - MONO SLOPE

SCALE: 1/4" = 1'-0"

## NOTES

- GROUP E OCCUPANCIES - BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1506.1 - CLASS A.
- LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-717.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS.

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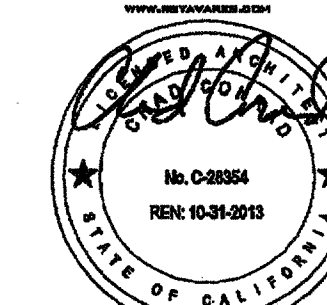
195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

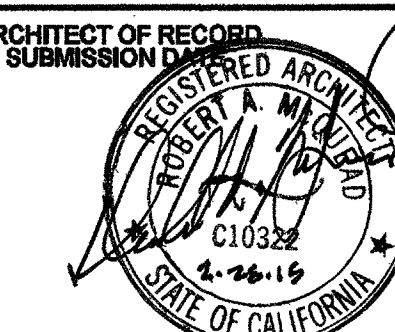
SHEET TITLE:

ROOF PLAN  
30' x 32' - 0.018" METAL DECK  
MONO OR DUAL SLOPE

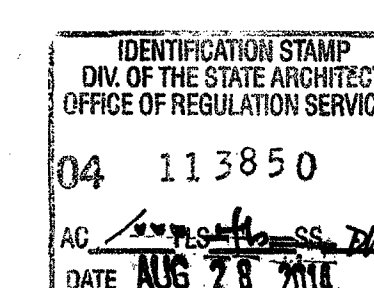


12/23/2011

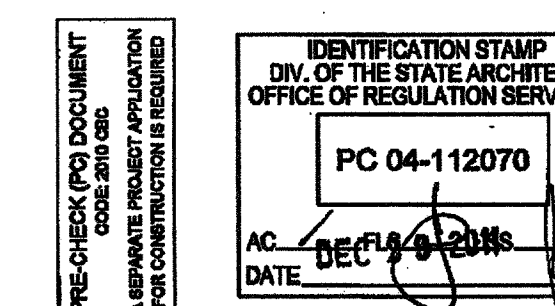
ARCHITECT OF RECORD  
SUBMISSION



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

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SILVER CREEK INDUSTRIES  
30' x 32' PC

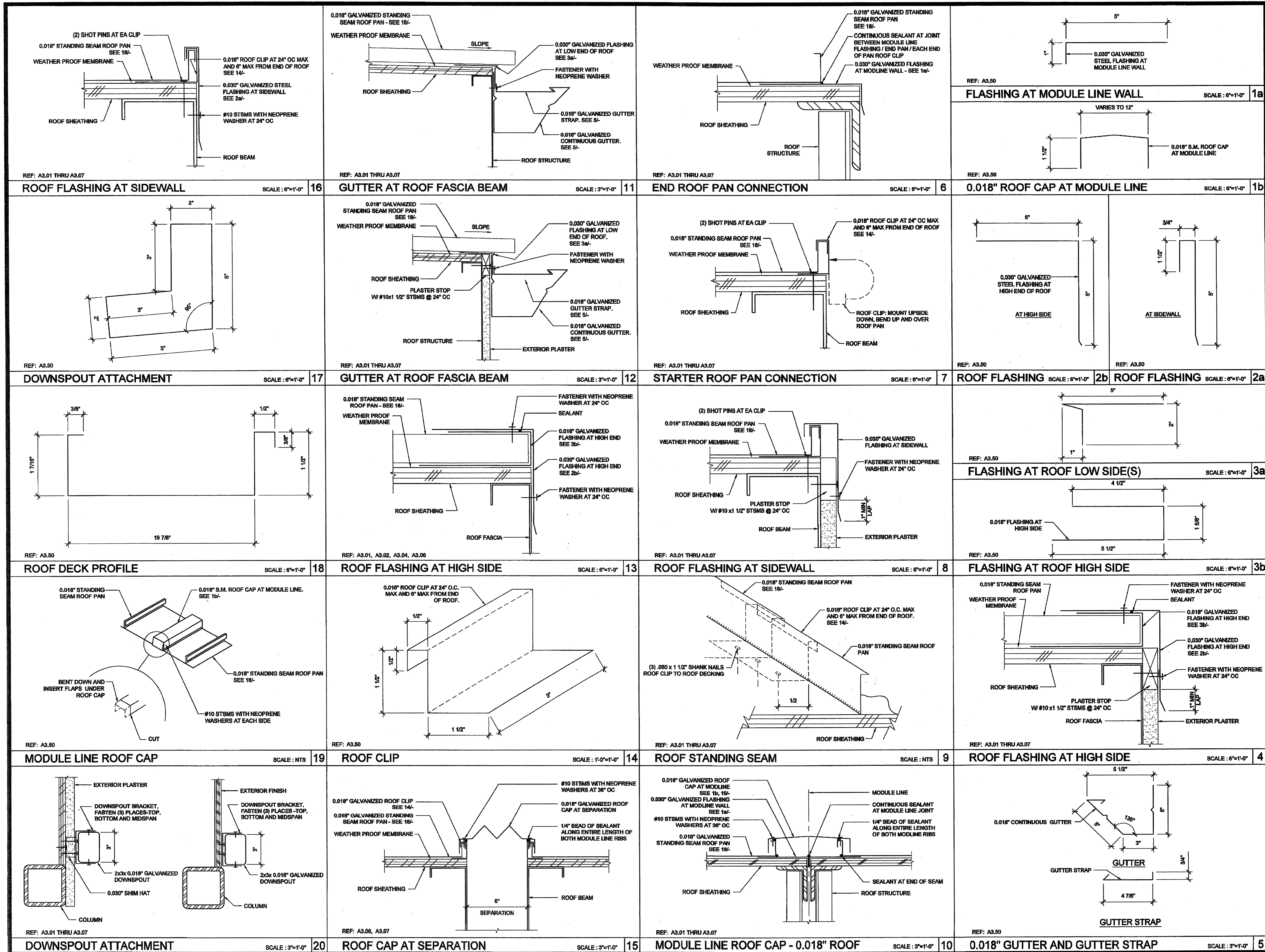
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DRAWN BY:  
SCALE: AS NOTED  
DATE: 6-17-11  
P.C. SHEET NUMBER

A-3.01

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

03 117001  
AC: FLS  
Date: 4/20/16





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**SILVER CREEK INDUSTRIES, INC.**

**"BUILDING FOR THE NEXT GENERATION"**

**SILVER CREEK**

195 EAST MORGAN TERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**CLASS LEASING CLASSROOMS BLDG'S**

SHEET TITLE:

**ROOF DETAILS  
0.018" STANDING SEAM  
ROOF DECK**

**TAVARES ASSOCIATES**

REGISTERED ARCHITECT  
No. C-28554  
Exp. 10-31-2013

12/23/2011

ARCHITECT OF RECORD  
SUBMISSION

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04 113850  
AC 11/23/11 SS 2011  
DATE 11/23/11

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PD) DOCUMENT  
CODE: 2010-01  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-112070  
AC 11/23/11 SS 2011  
DATE 11/23/11

REVISIONS

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
03 112001  
AC 11/23/11 SS 2011  
DATE 11/23/11

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:

DRAWN BY:

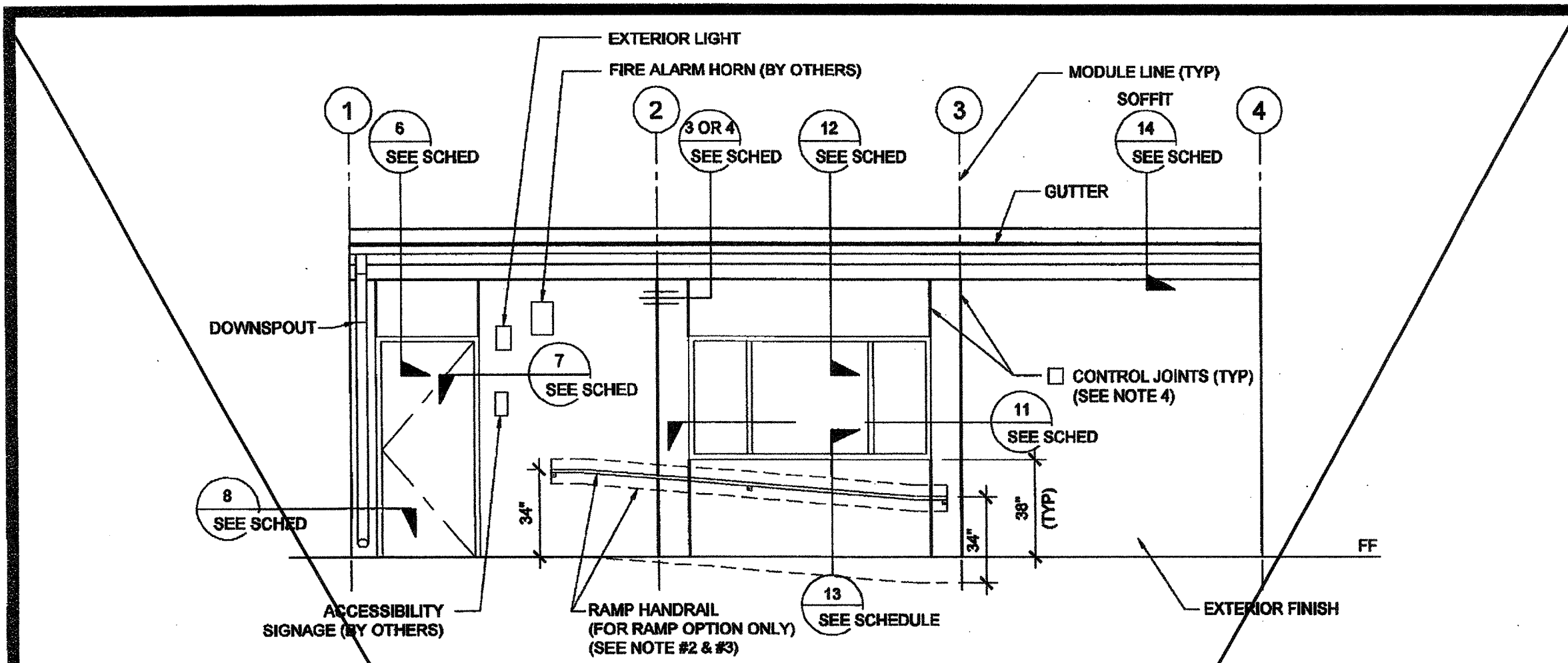
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P.C. SHEET NUMBER

**A-3.50**

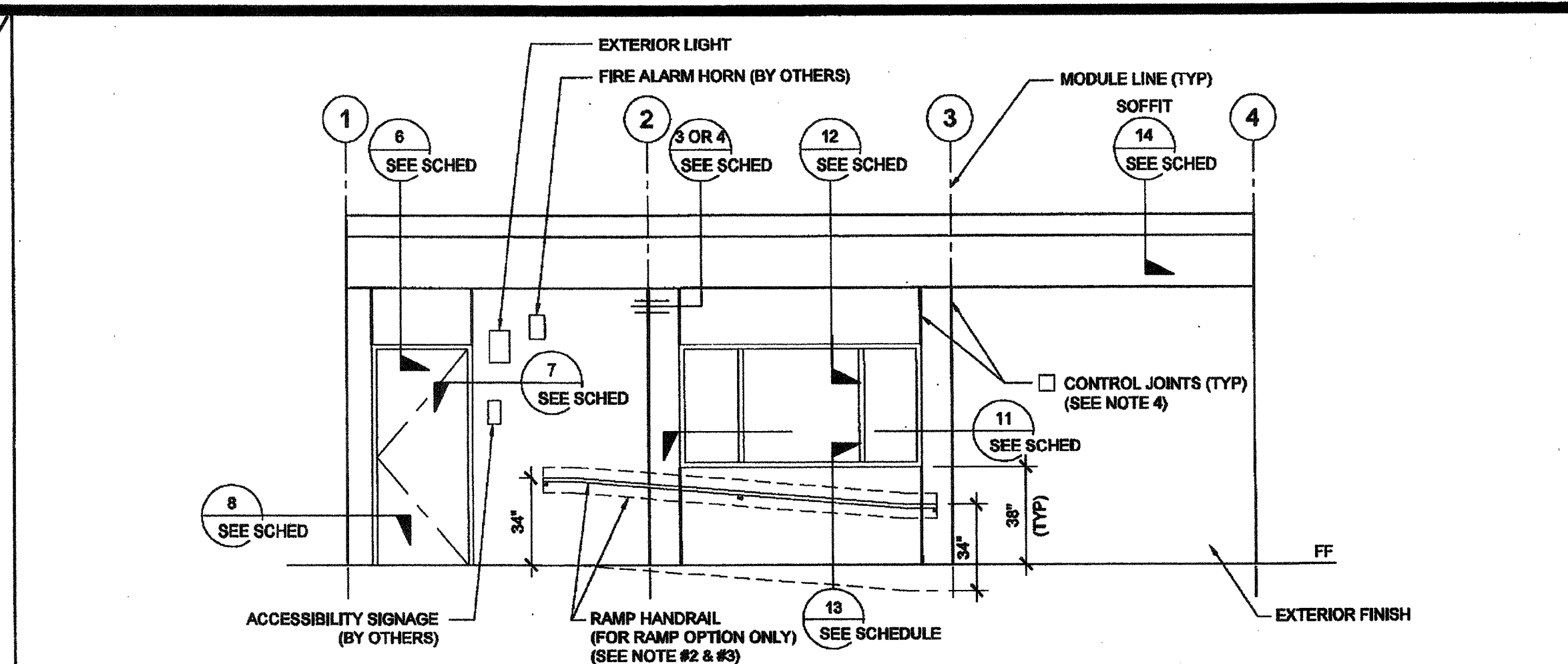




EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE

SCALE: 1/4" = 1'-0"

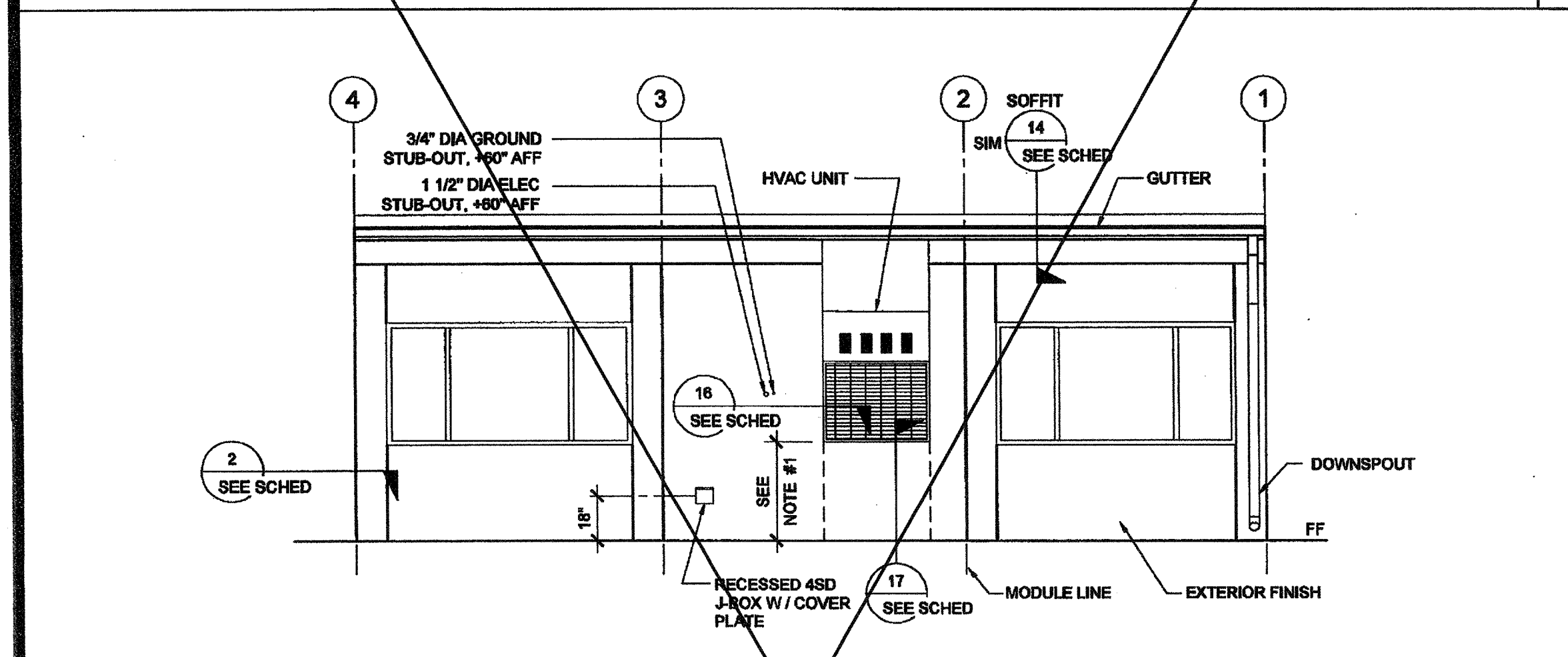
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EXTERIOR ELEVATIONS - FRONT - MONO SLOPE

SCALE: 1/4" = 1'-0"

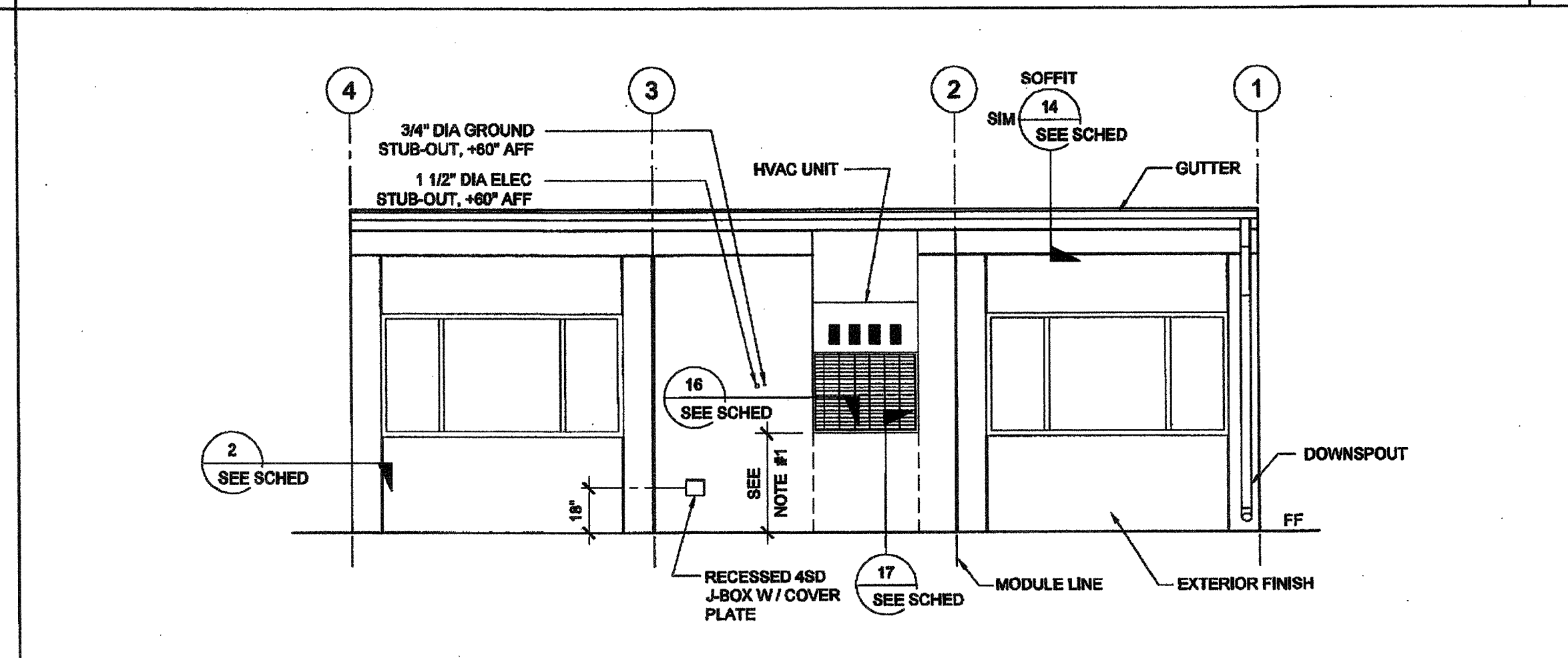
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EXTERIOR ELEVATIONS - REAR - DUAL SLOPE

SCALE: 1/4" = 1'-0"

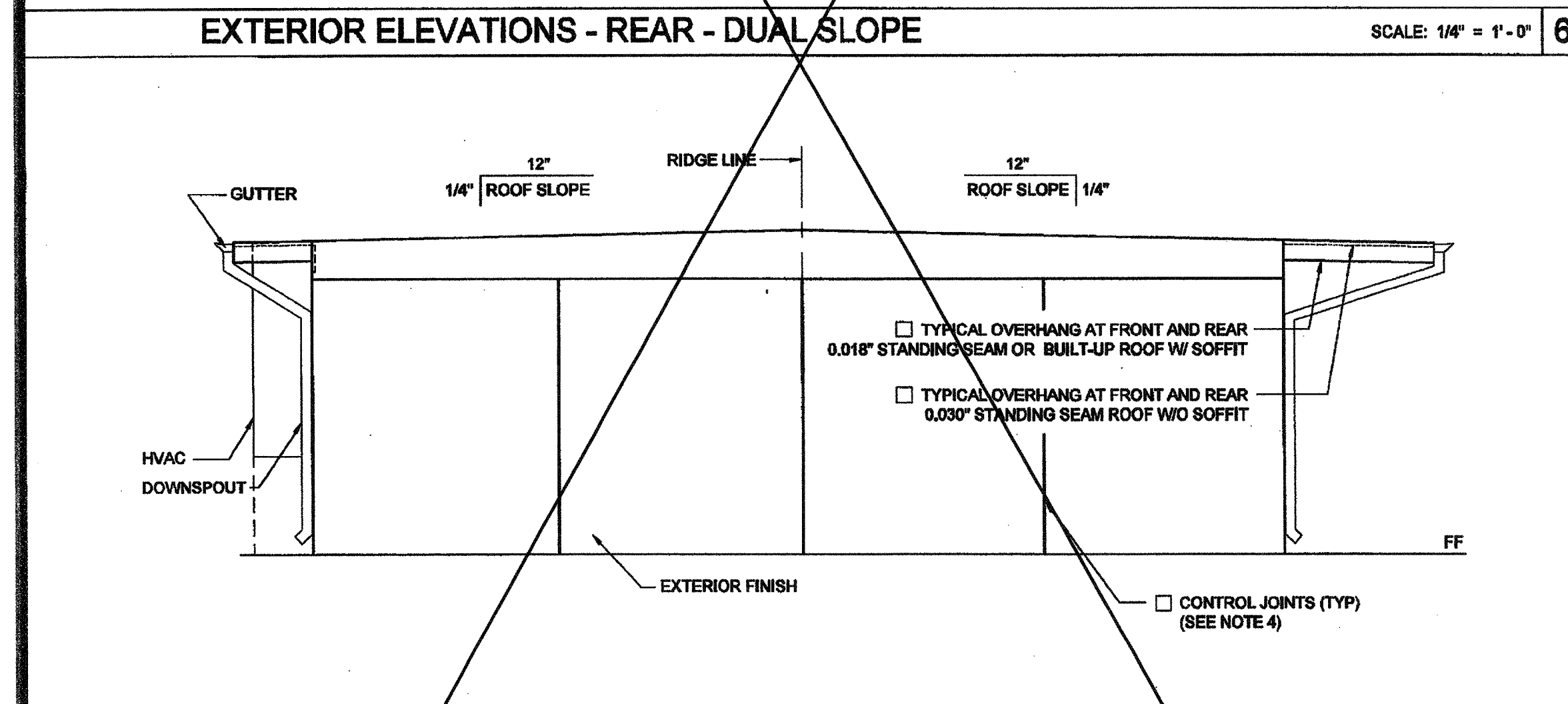
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EXTERIOR ELEVATIONS - REAR - MONO SLOPE

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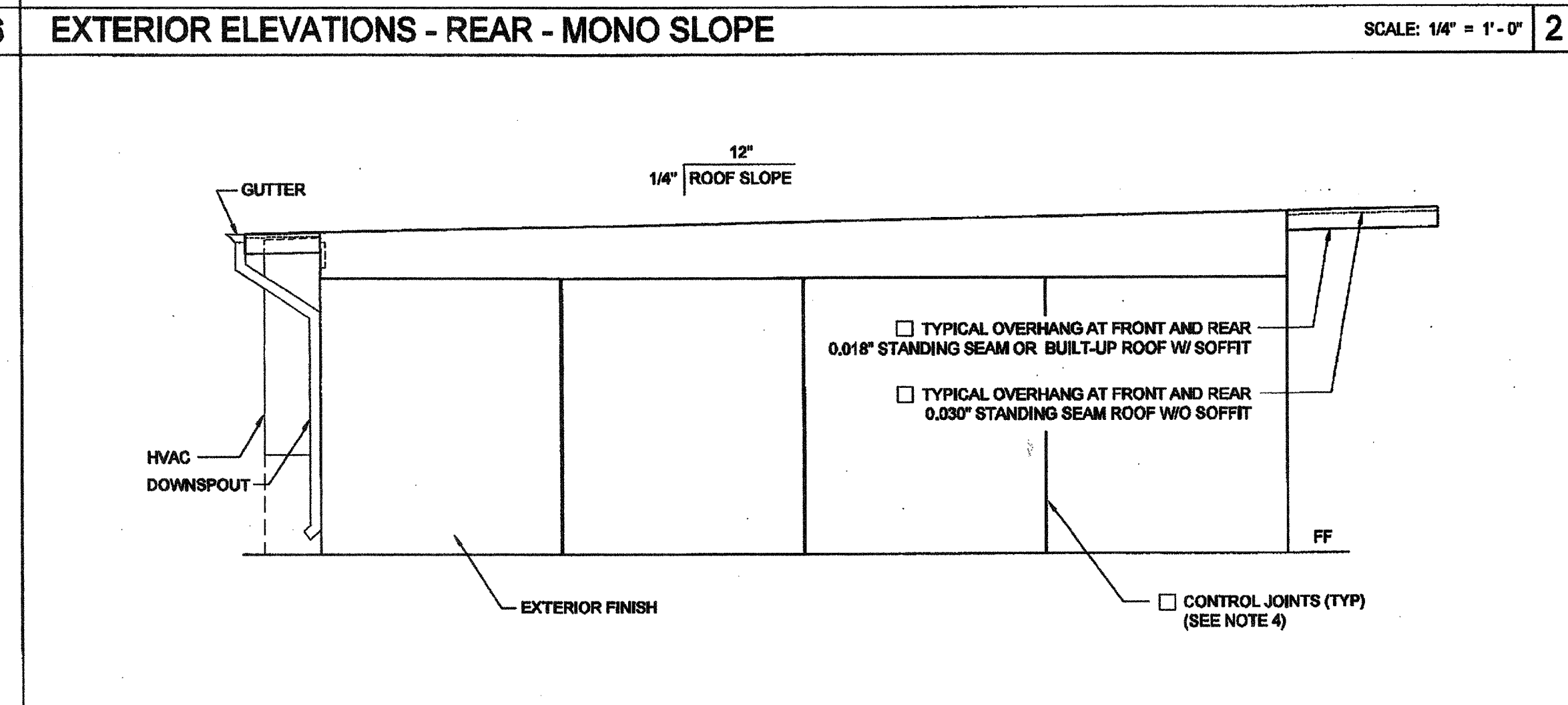
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EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE

SCALE: 1/4" = 1'-0"

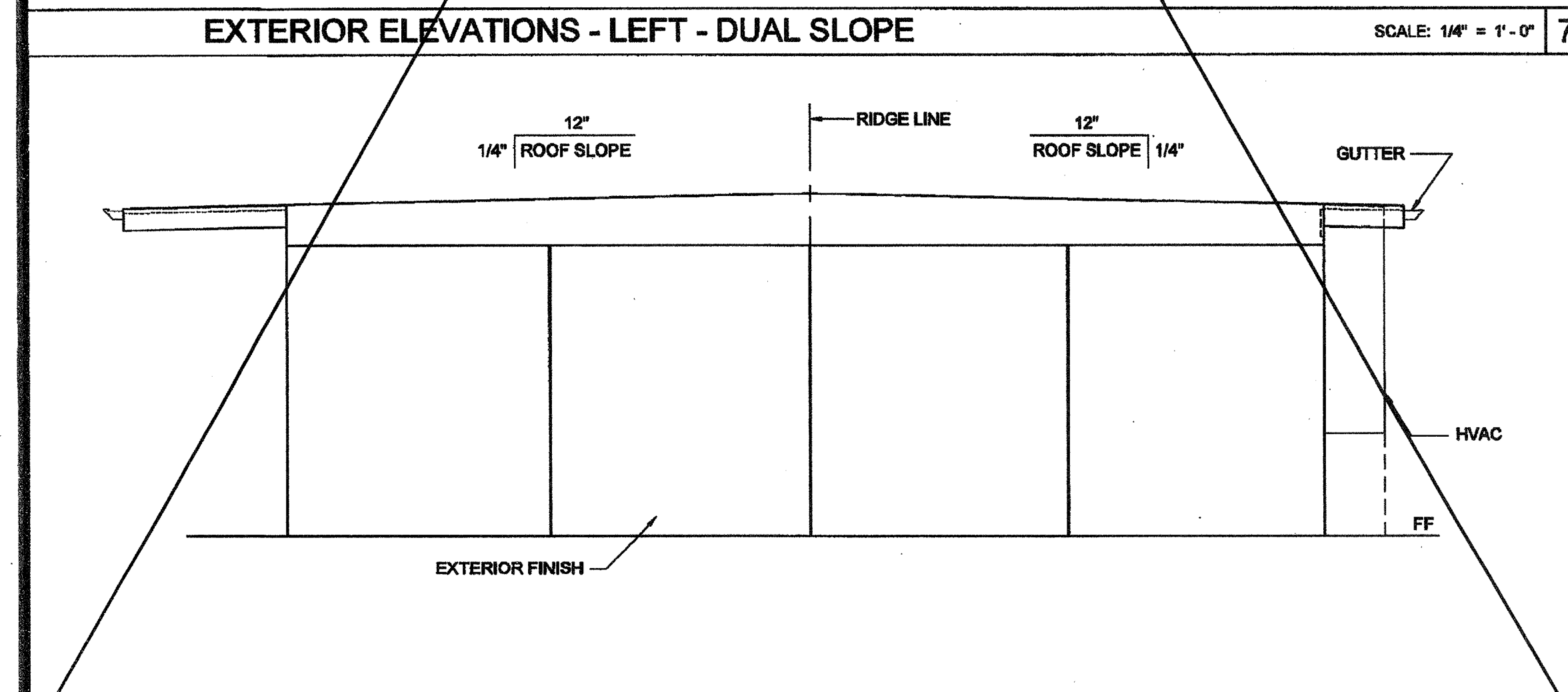
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EXTERIOR ELEVATIONS - LEFT - MONO SLOPE

SCALE: 1/4" = 1'-0"

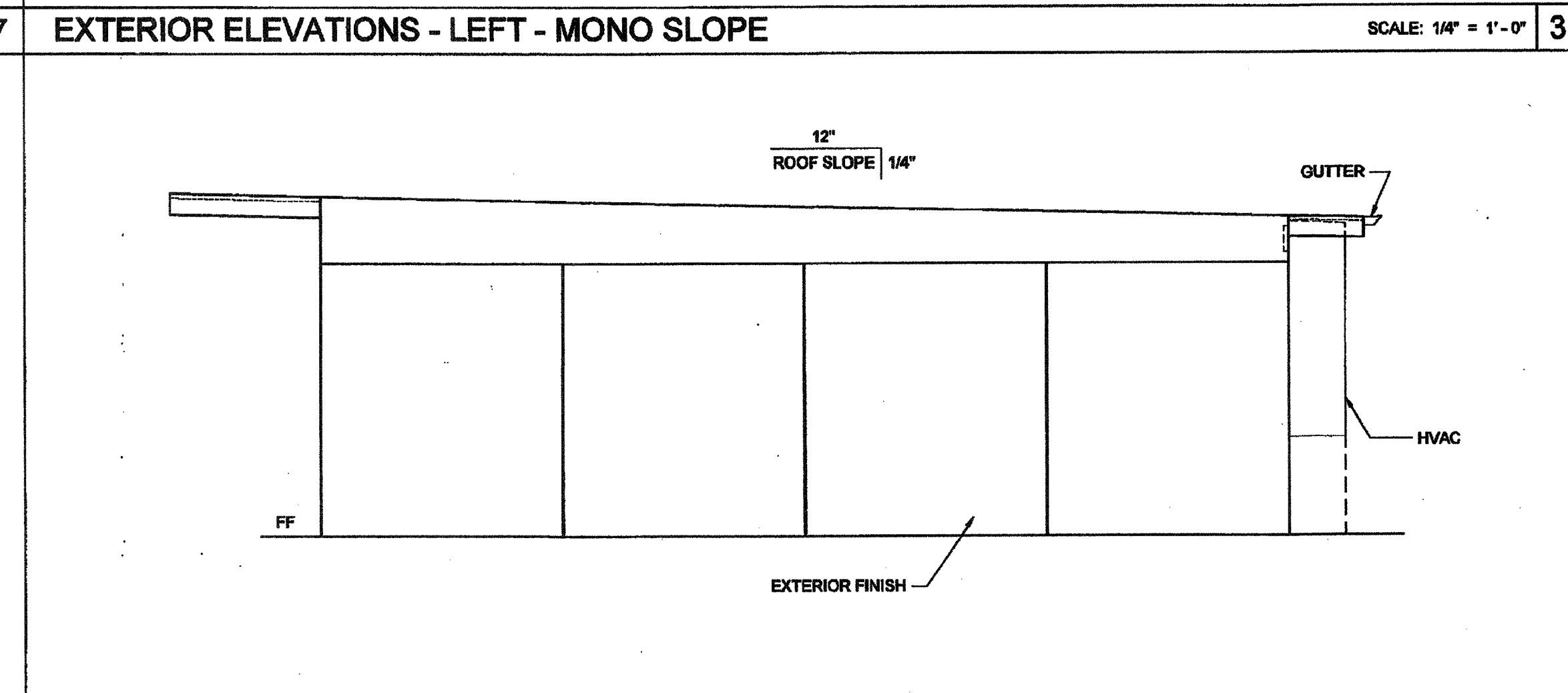
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EXTERIOR ELEVATIONS - RIGHT - DUAL SLOPE

SCALE: 1/4" = 1'-0"

8



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE

SCALE: 1/4" = 1'-0"

4

# NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 8" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODULE LINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. HANDRAIL IS NOT ALLOWED AT PLASTER OPTION WHERE RAMP IS AGAINST THE WALL. SEE DETAIL 1/R-2.01 FOR SIMILAR APPLICATION
6. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED UNLESS COMPLIED W/ SECTION 704 AND 1405, 2007 CBC

## DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
<input type="checkbox"/> SIDING OVER WOOD STUDS	A-5.80
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.81
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.80
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.81

## FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.82
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.83
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.82
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.83

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SILVER CREEK INDUSTRIES, INC.



195 EAST MORGAN FERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

## CLASS LEASING CLASSROOMS BLDG'S

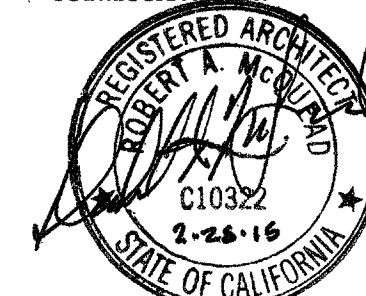
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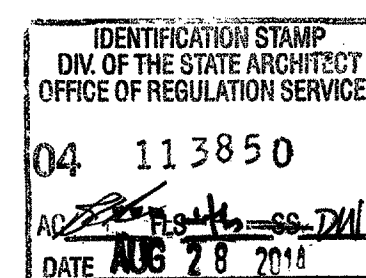


12/23/2011

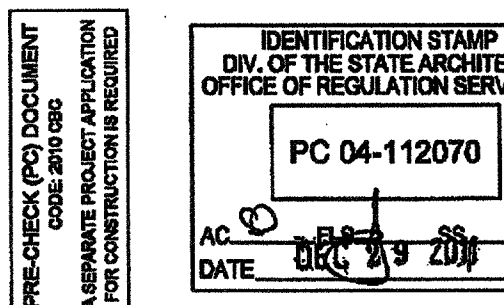
ARCHITECT OF RECORD  
SUBMISSION DATE



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

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SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 6-17-11  
P.C. SHEET NUMBER

STKP-123  
A-4.01

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
03 117001  
AC FLS BSS PKL  
Date 4/20/16







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SILVER CREEK INDUSTRIES, INC.



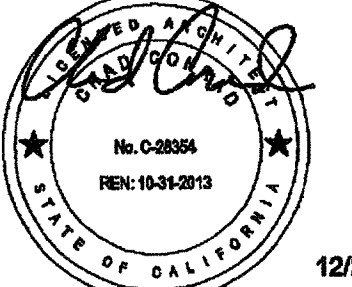
195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

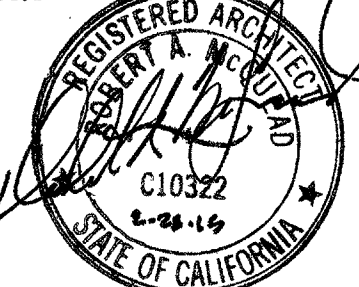
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CROSS SECTION

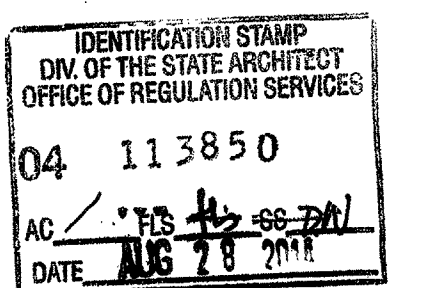


12/23/2011

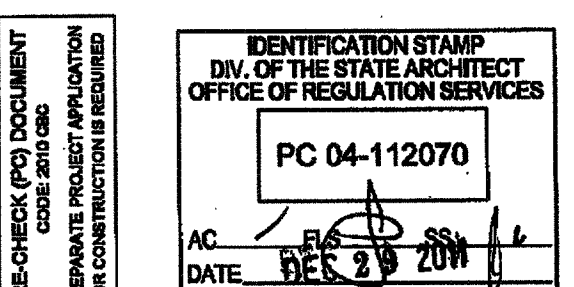
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SUBMISSION DATE



PROJECT SPECIFIC STATE AGENCY APPROVAL



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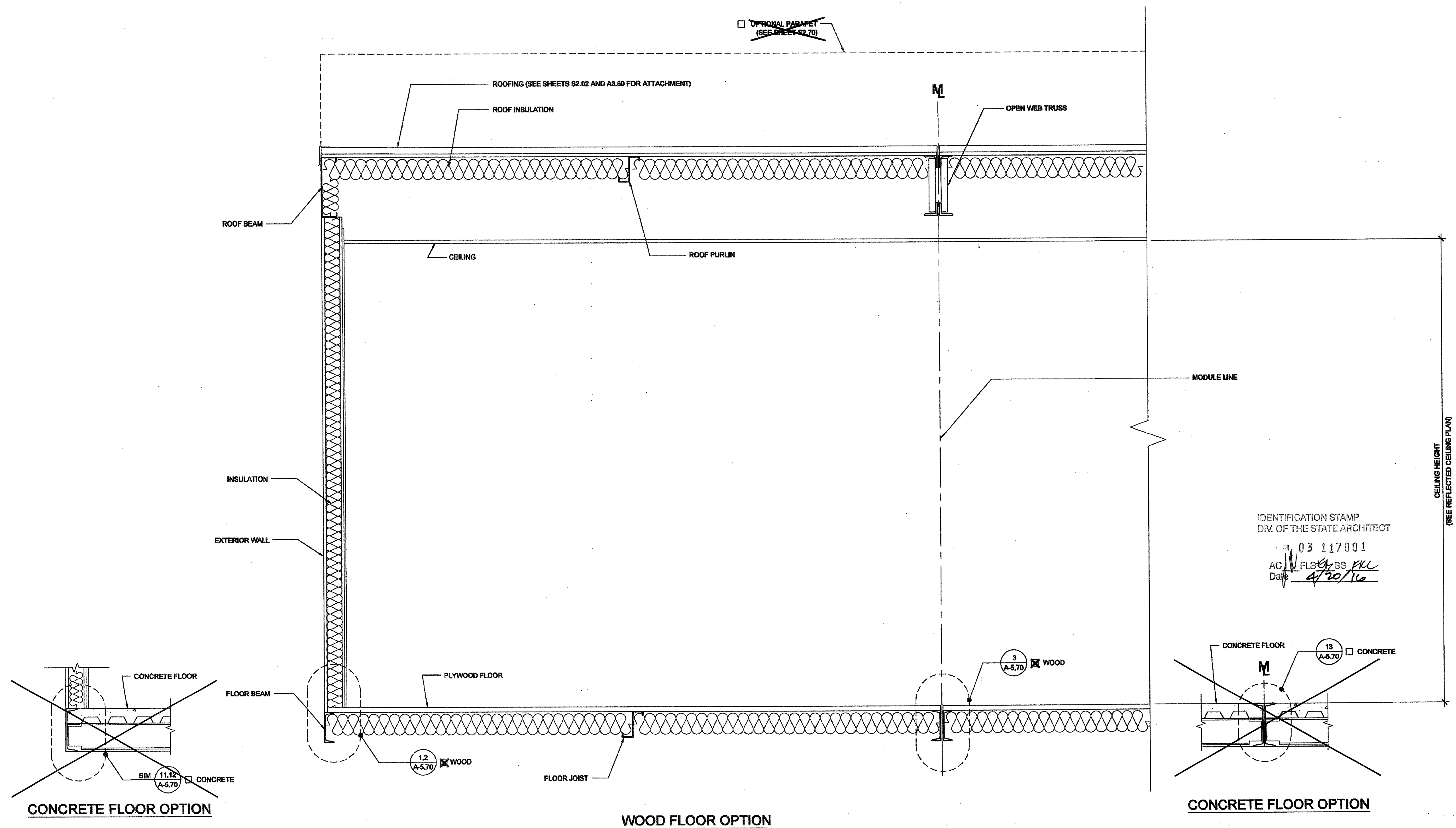


REVISIONS


SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 6-17-11  
P.C. SHEET NUMBER

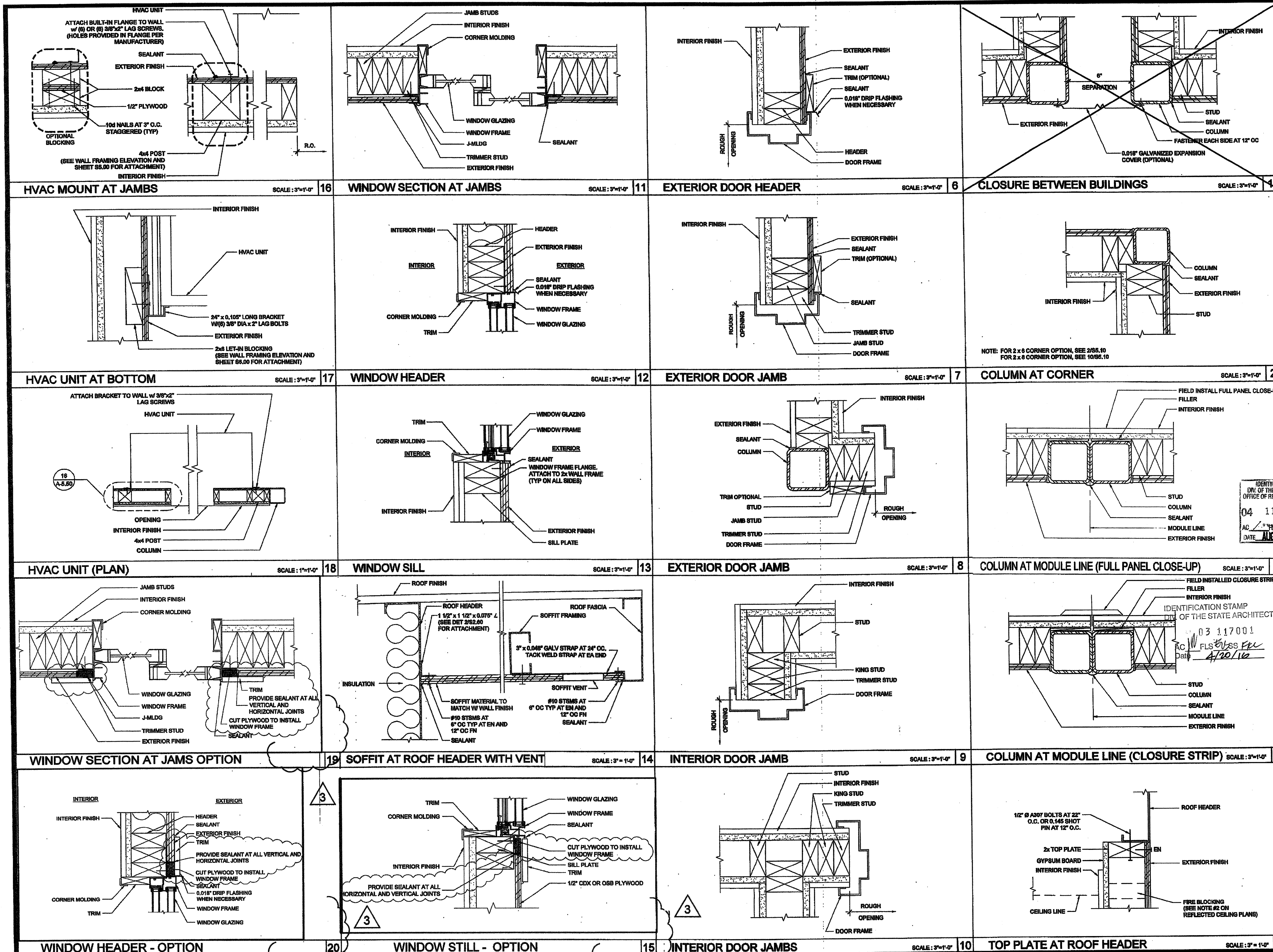
A-5.05



BUILDING SECTION

SCALE: 1" = 1'-0" 1





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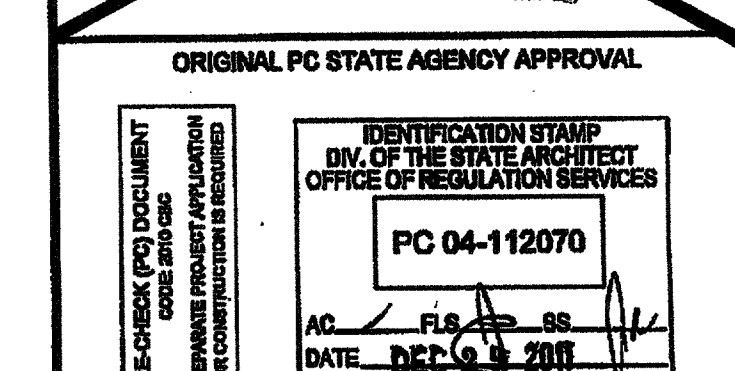
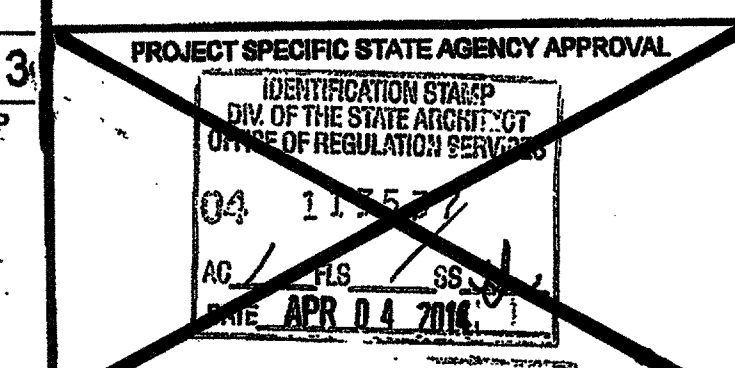
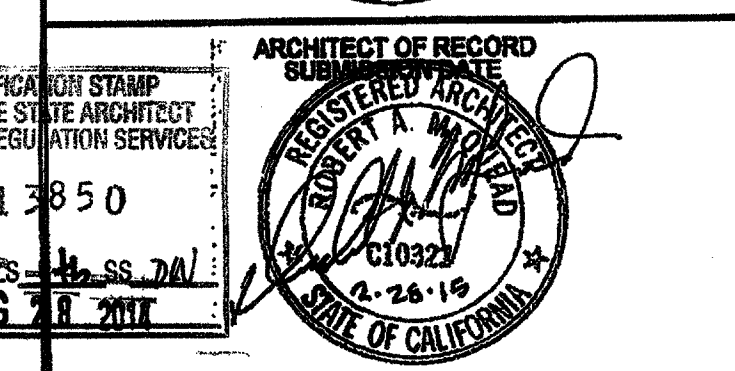
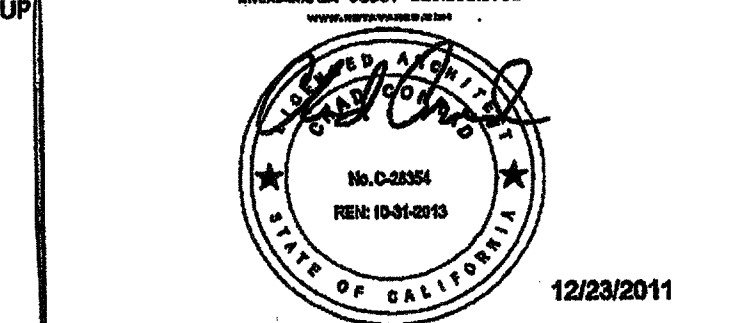
**SILVER CREEK INDUSTRIES, INC.**



195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:  
**CLASS LEASING CLASSROOMS BLDG'S**

SHEET TITLE:  
**ARCHITECTURAL DETAILS  
WOOD STUD - WOOD SIDING**



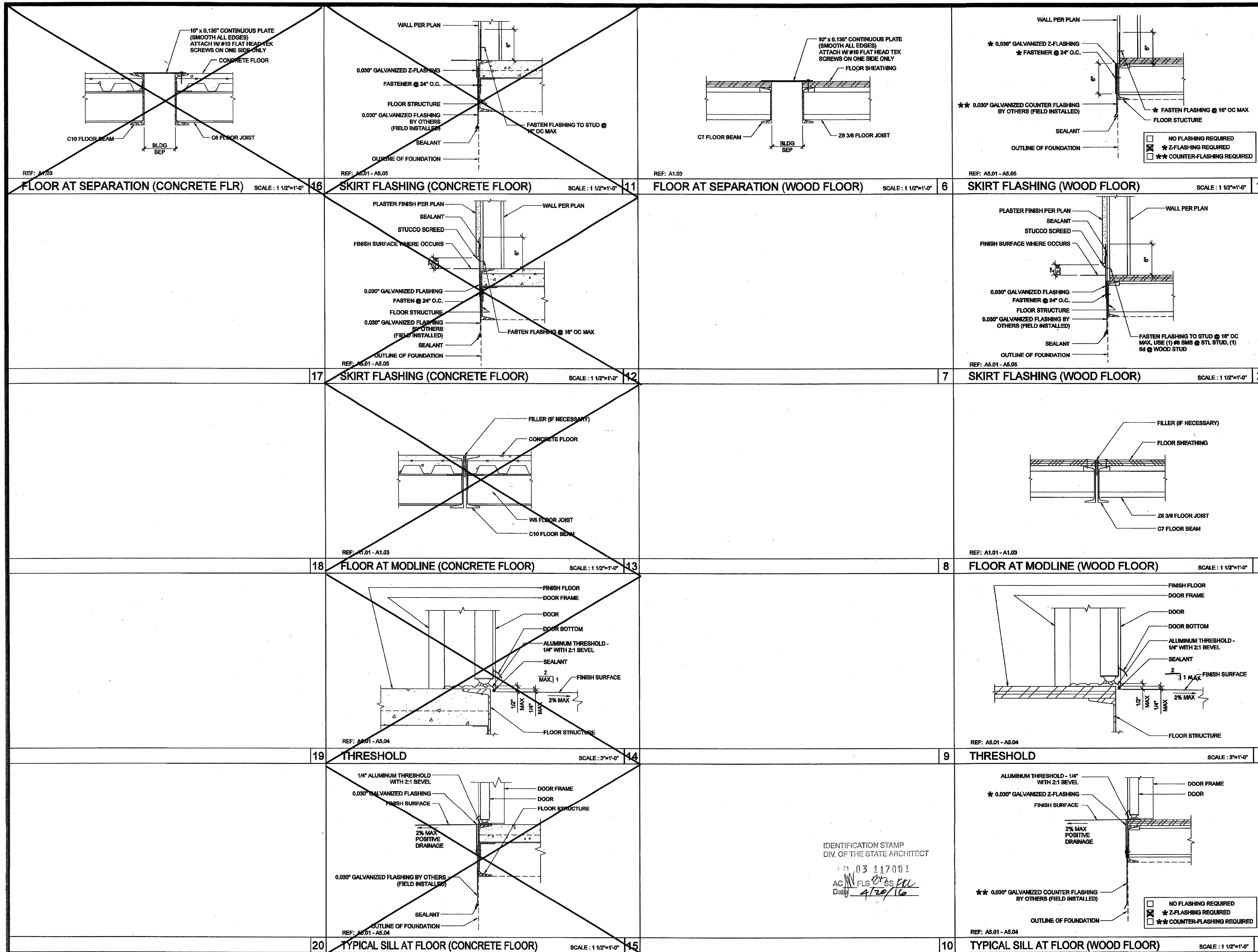
REVISIONS
1. (0-0-10) REVISIONS TO THE P.C.
2. ADDED OPTIONAL DETAILS
3.
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**SILVER CREEK INDUSTRIES**  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 6-17-11  
P.C. SHEET NUMBER

**A-5.50**





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**SILVER CREEK INDUSTRIES, INC.**

**SILVER CREEK**

**BUILDING FOR THE NEXT GENERATION**

195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**CLASS LEASING CLASSROOMS BLDG'S**

SHEET TITLE:

**ARCHITECTURAL DETAILS FLOOR**

**TAVARES ASSOCIATES**  
DESIGN ARCHITECTS  
201 S. BROADWAY SUITE 100 P.O. BOX 1234  
PERRIS, CA 92571  
TEL: 951-943-5393 FAX: 951-943-2211  
WWW.TAVARESARCHITECTS.COM

**ARCHITECT OF RECORD**  
SUBMISSION  
12/23/2011

**PROJECT SPECIFIC STATE AGENCY APPROVAL**

**IDENTIFICATION STAMP**  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04 113850  
AC: MFLS OF SS FL  
DATE: AUG 7 2011

**ORIGINAL PC STATE AGENCY APPROVAL**

**IDENTIFICATION STAMP**  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-112070  
AC: MFLS OF SS FL  
DATE: DEC 9 2011

**REVISIONS**

**SILVER CREEK INDUSTRIES**  
30' x 32' PC

PROJECT NO:

DRAWN BY:

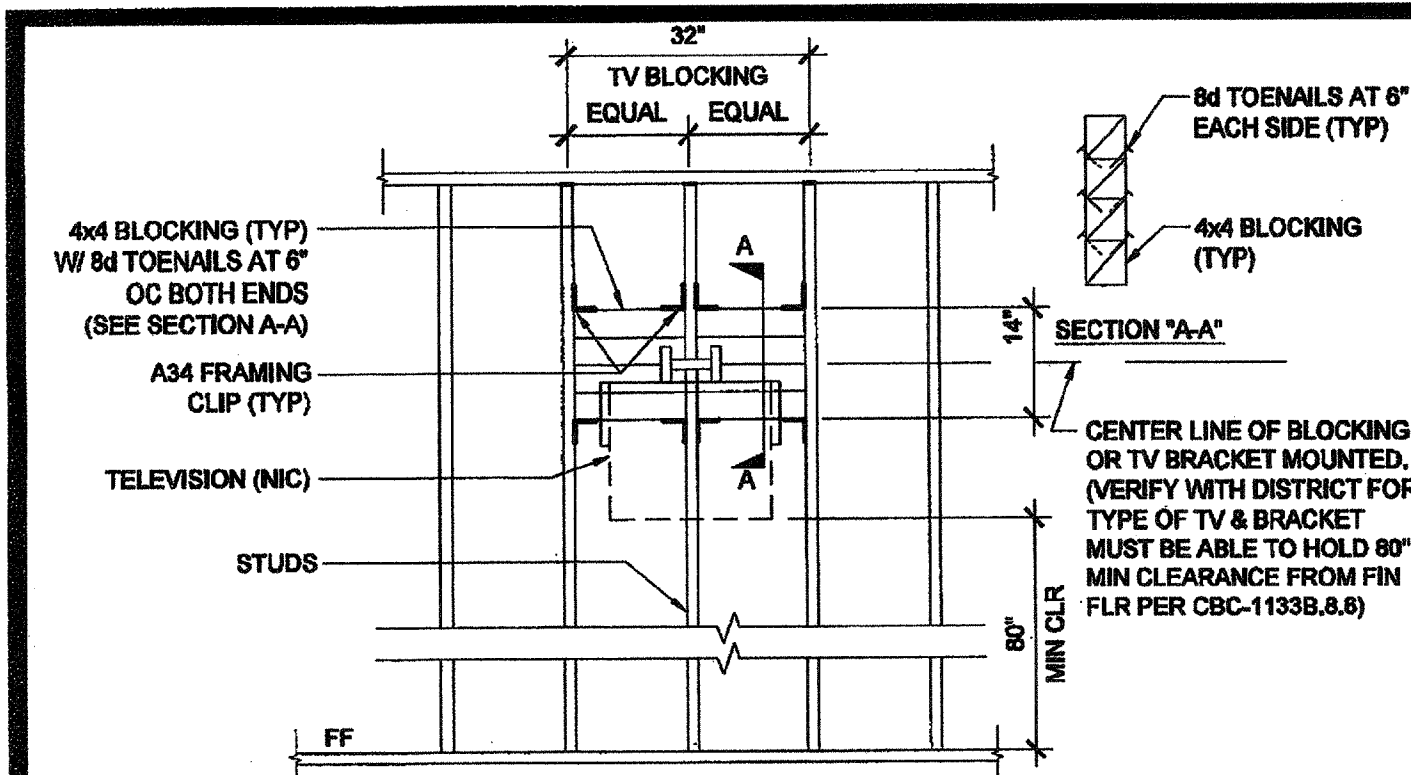
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DATE: 8-17-11

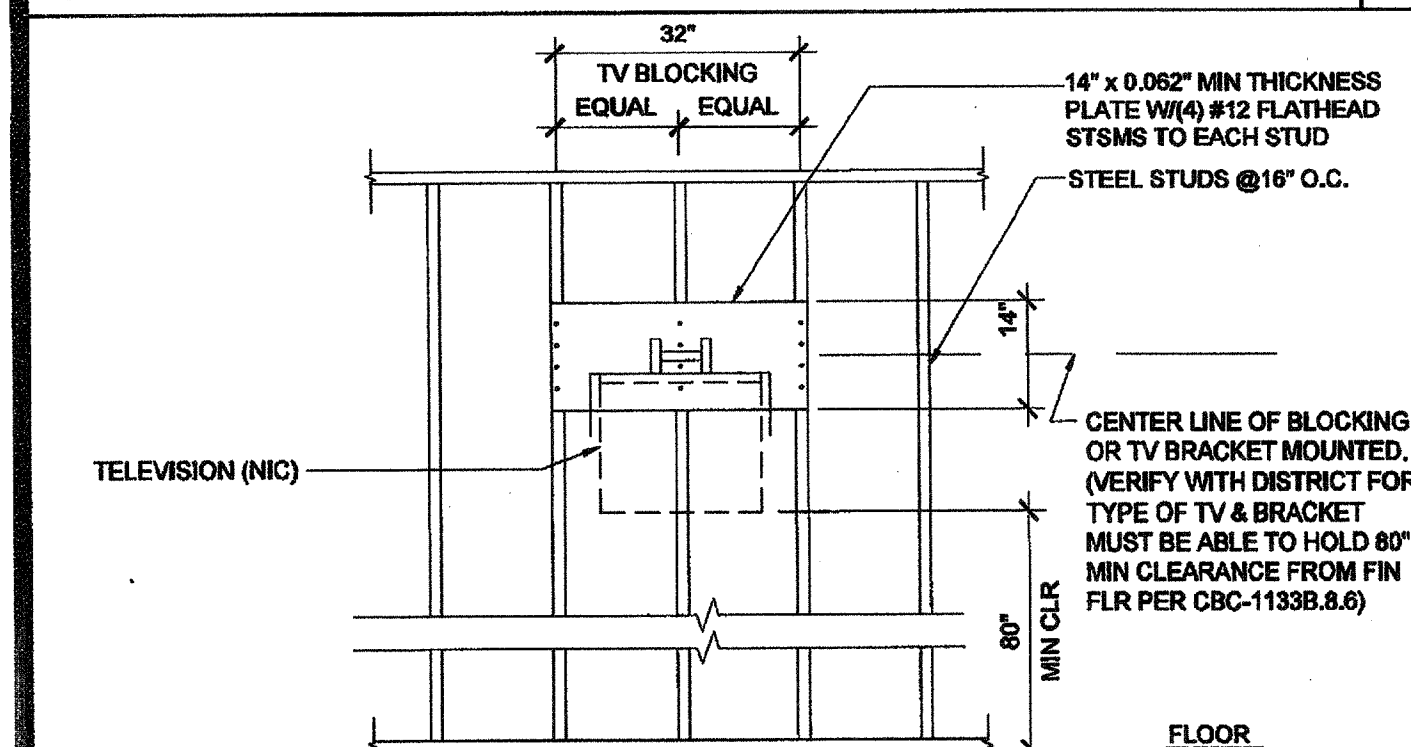
P.C. SHEET NUMBER

**A-5.70**

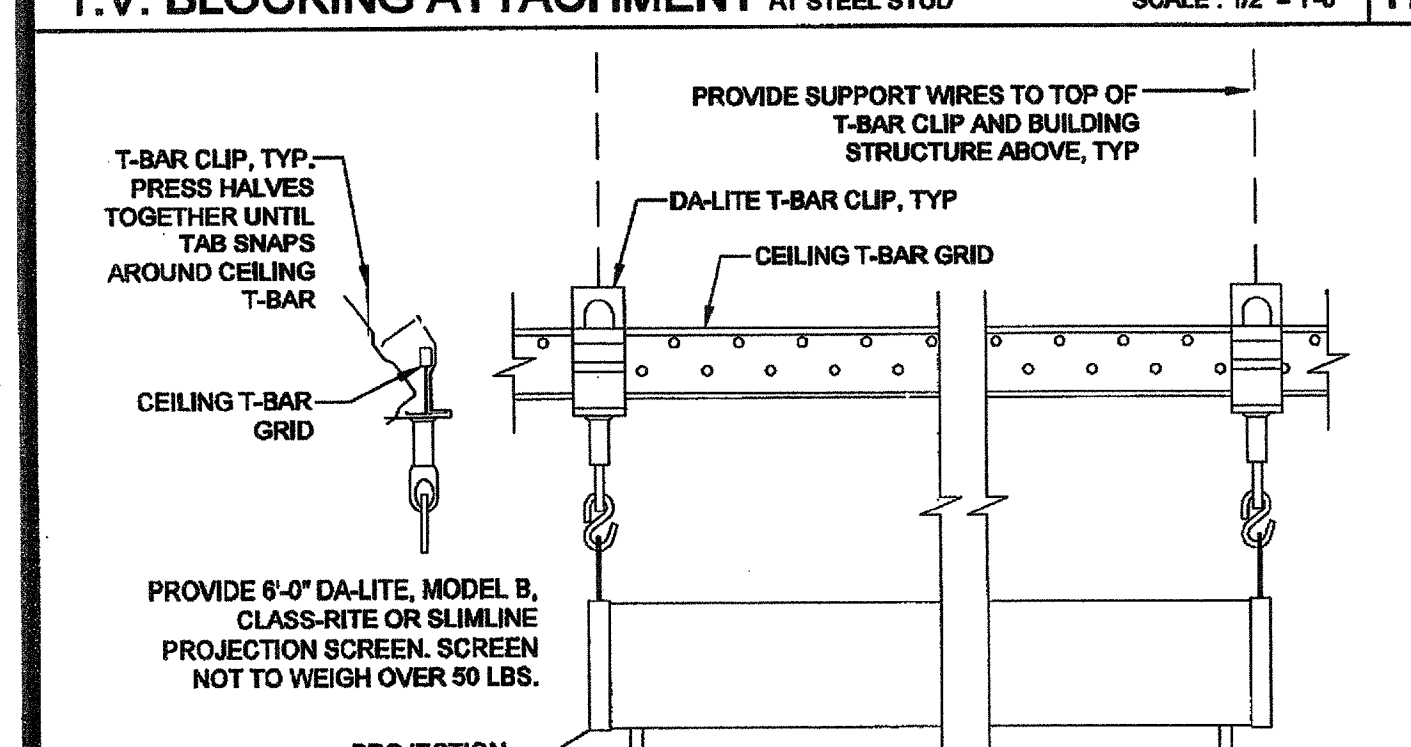




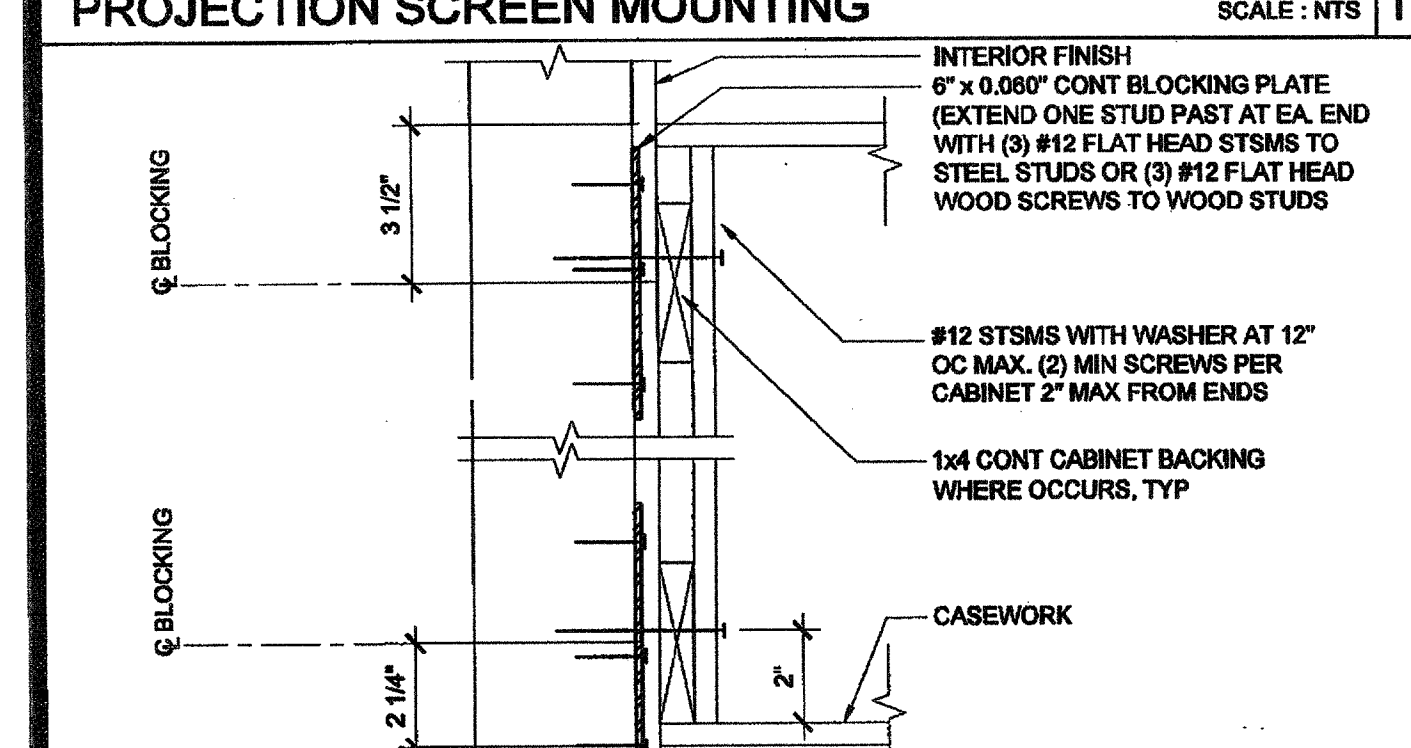
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE: 1/2" = 1'-0" 16



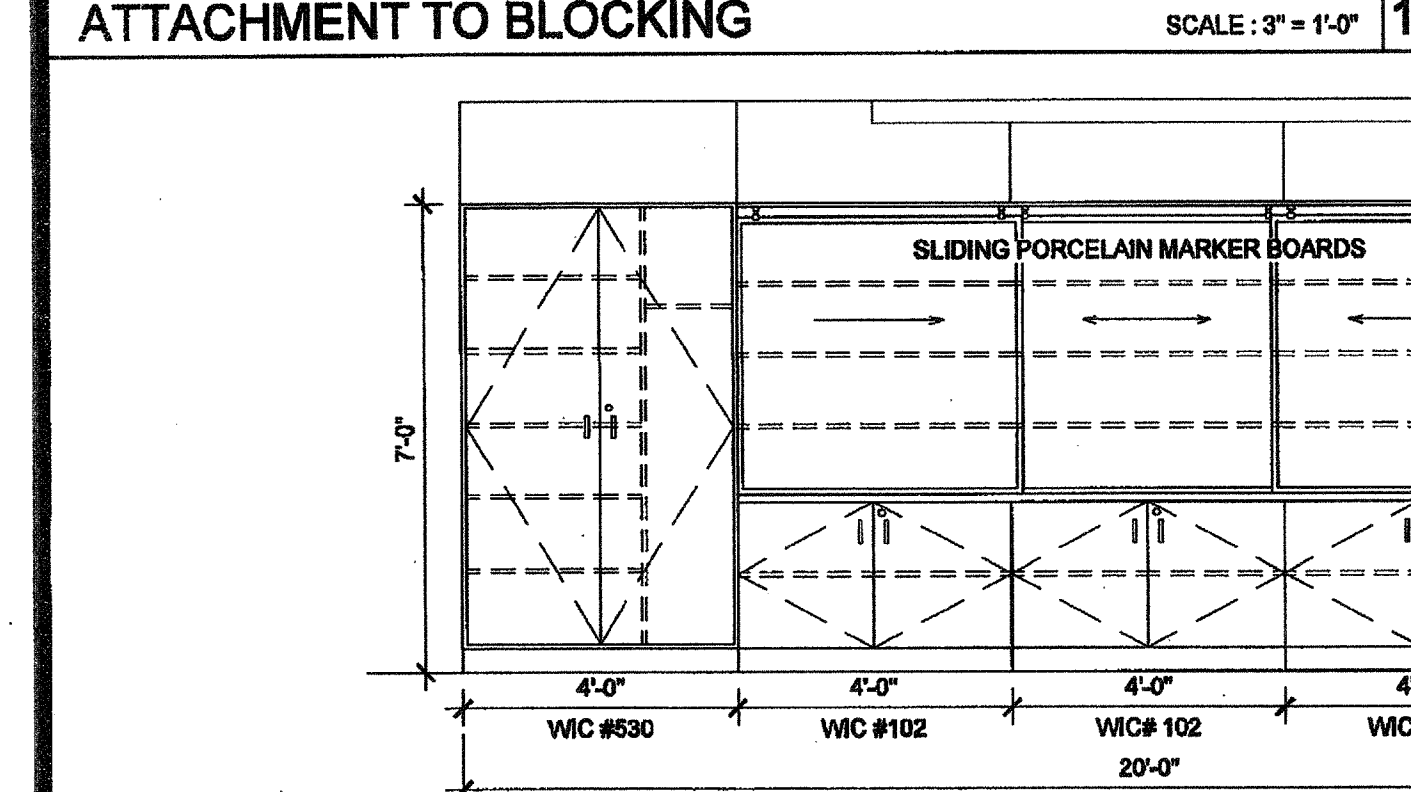
T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE: 1/2" = 1'-0" 17



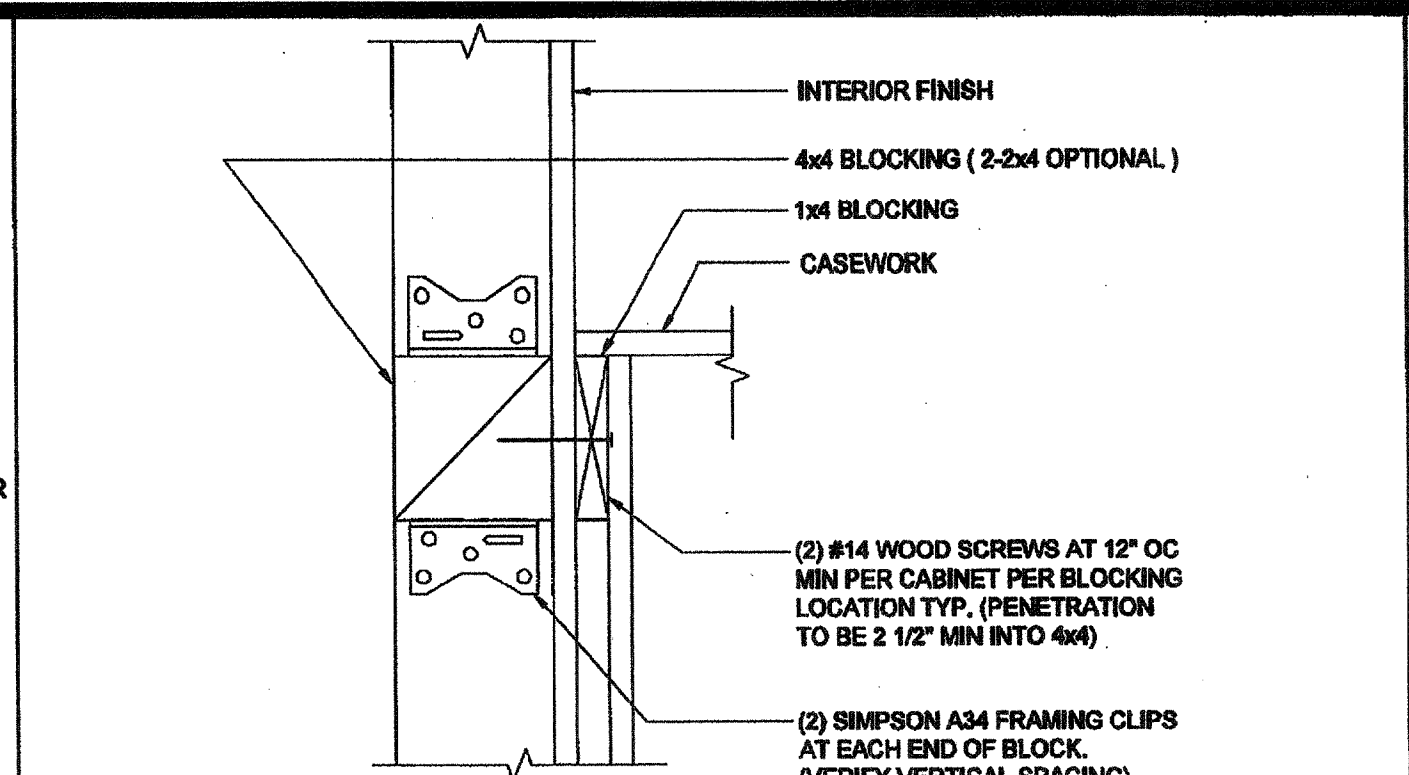
PROJECTION SCREEN MOUNTING SCALE: NTS 18



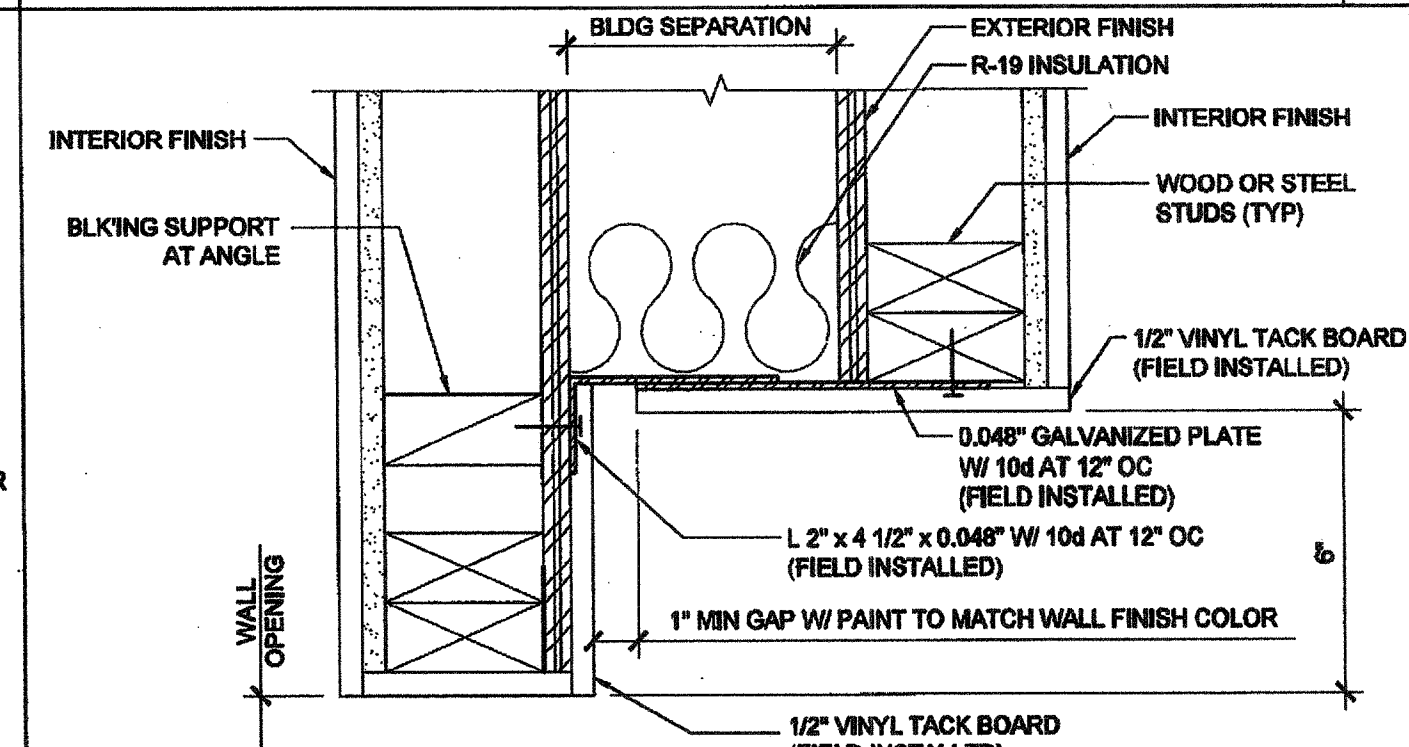
ATTACHMENT TO BLOCKING SCALE: 3" = 1'-0" 19



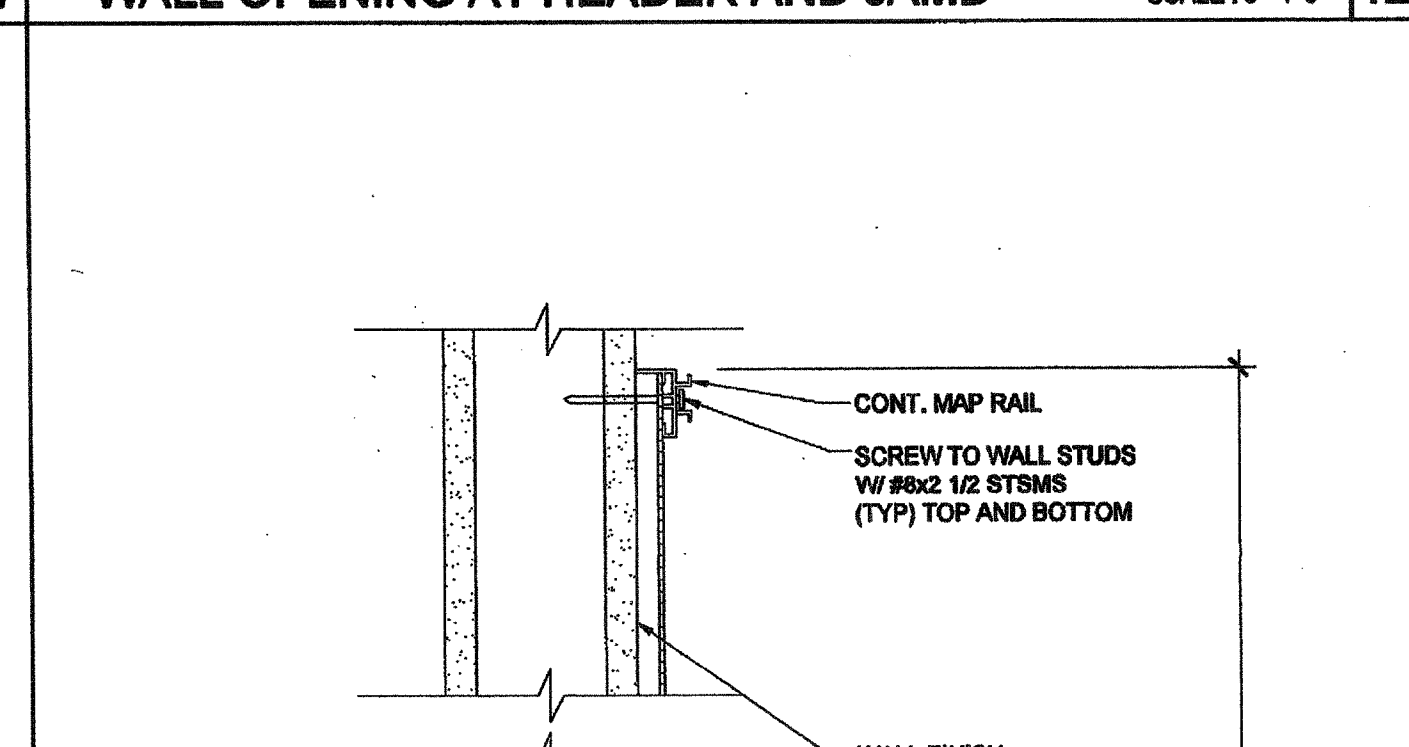
TEACHING WALL - ELEVATION / SECTION - OPTION SCALE: 3/8" = 1'-0" 15



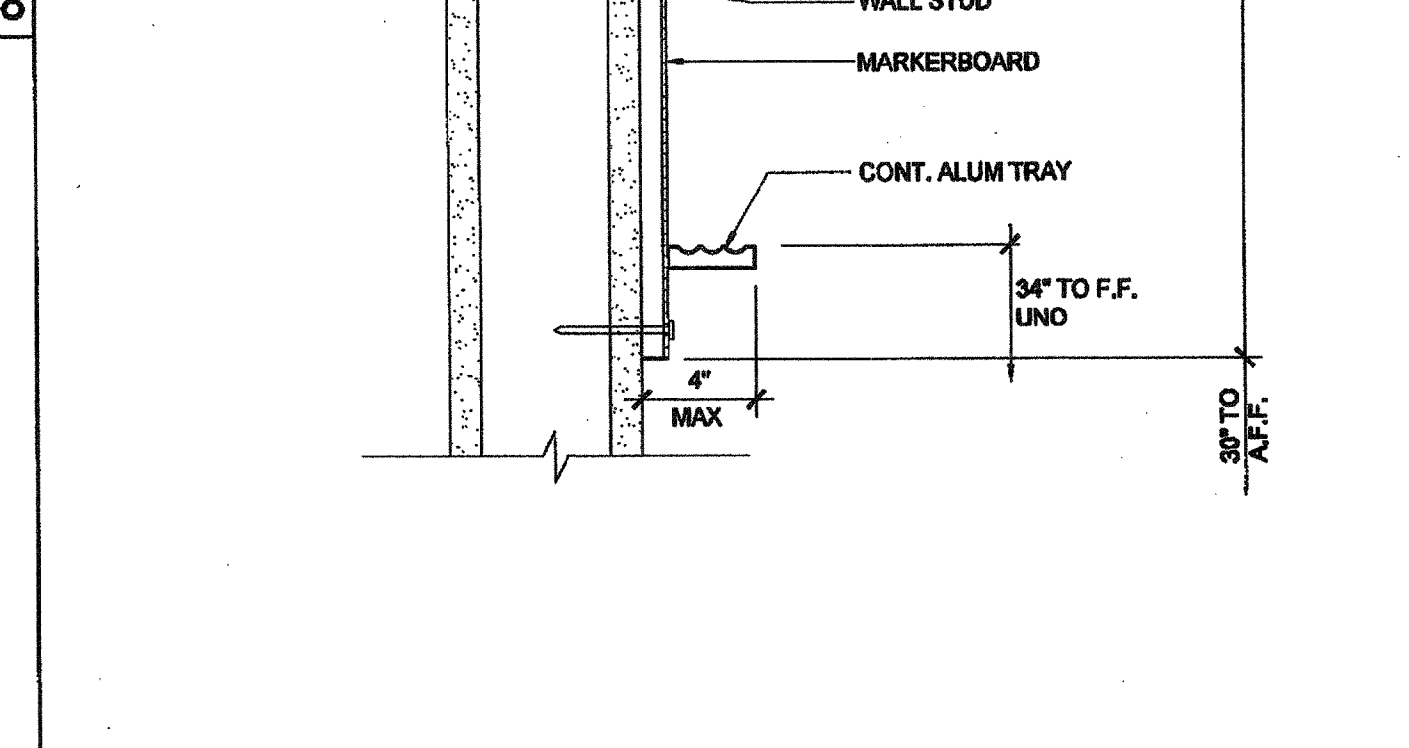
ATTACHMENT TO BLOCKING SCALE: 3" = 1'-0" 11



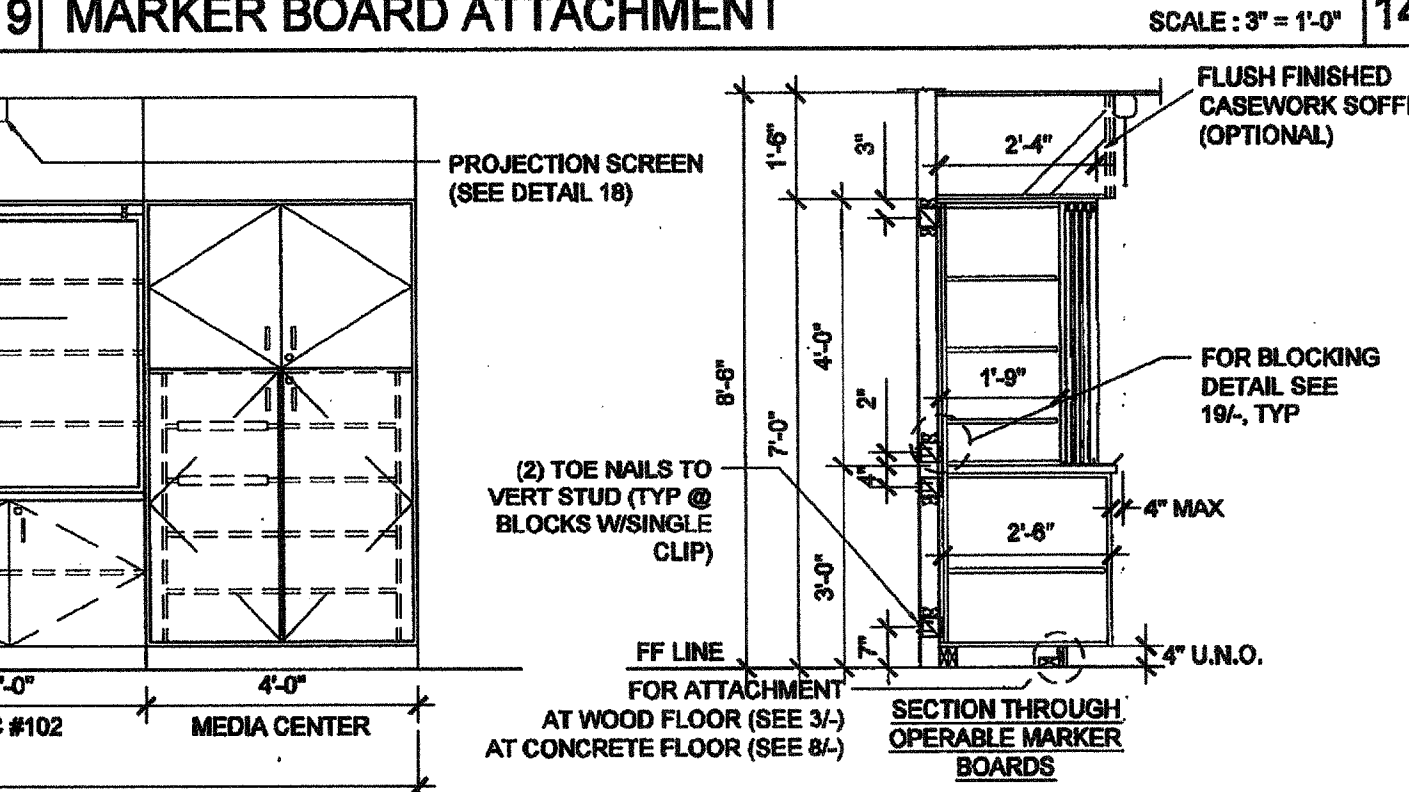
WALL OPENING AT HEADER AND JAMB SCALE: 3" = 1'-0" 12



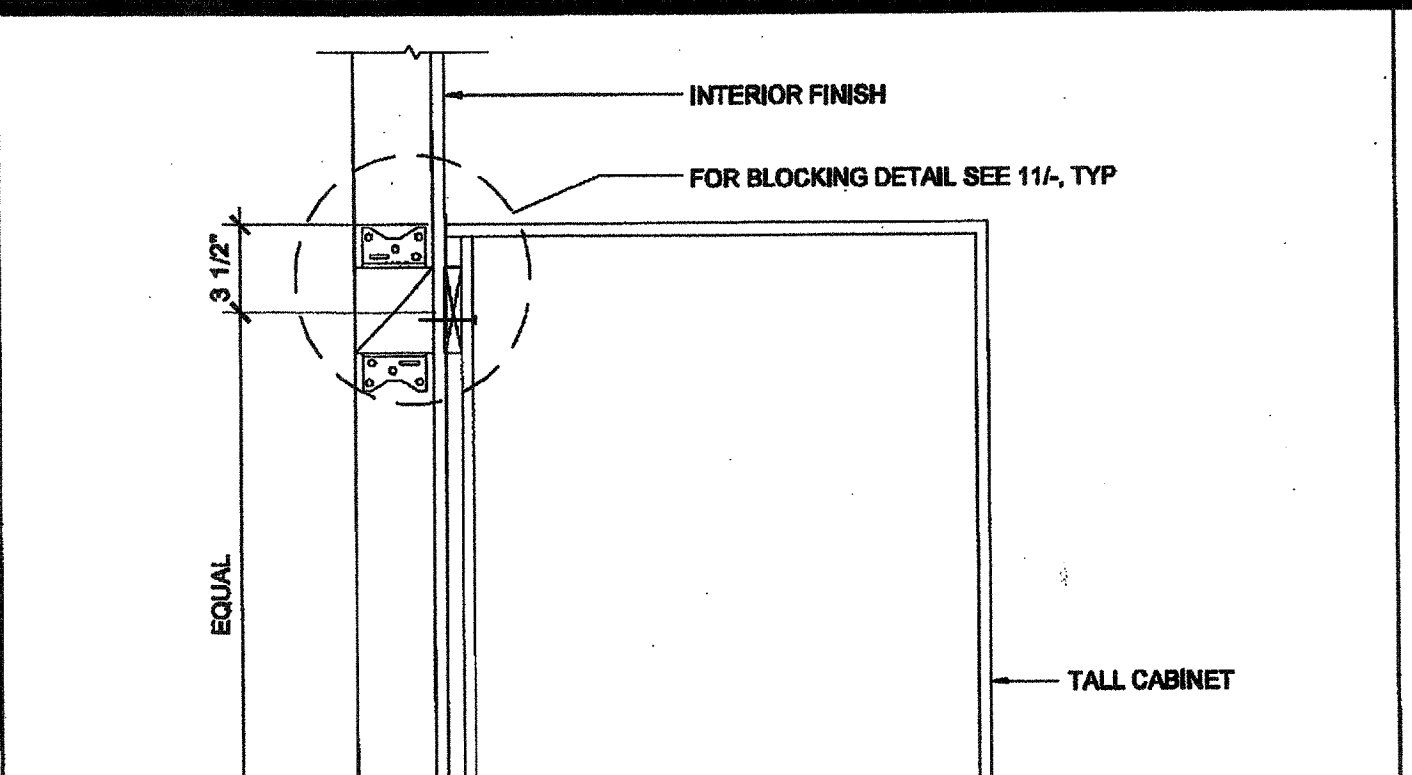
TALL CABINET WALL ANCHORAGE AT WOOD STUD SCALE: 1 1/2" = 1'-0" 7



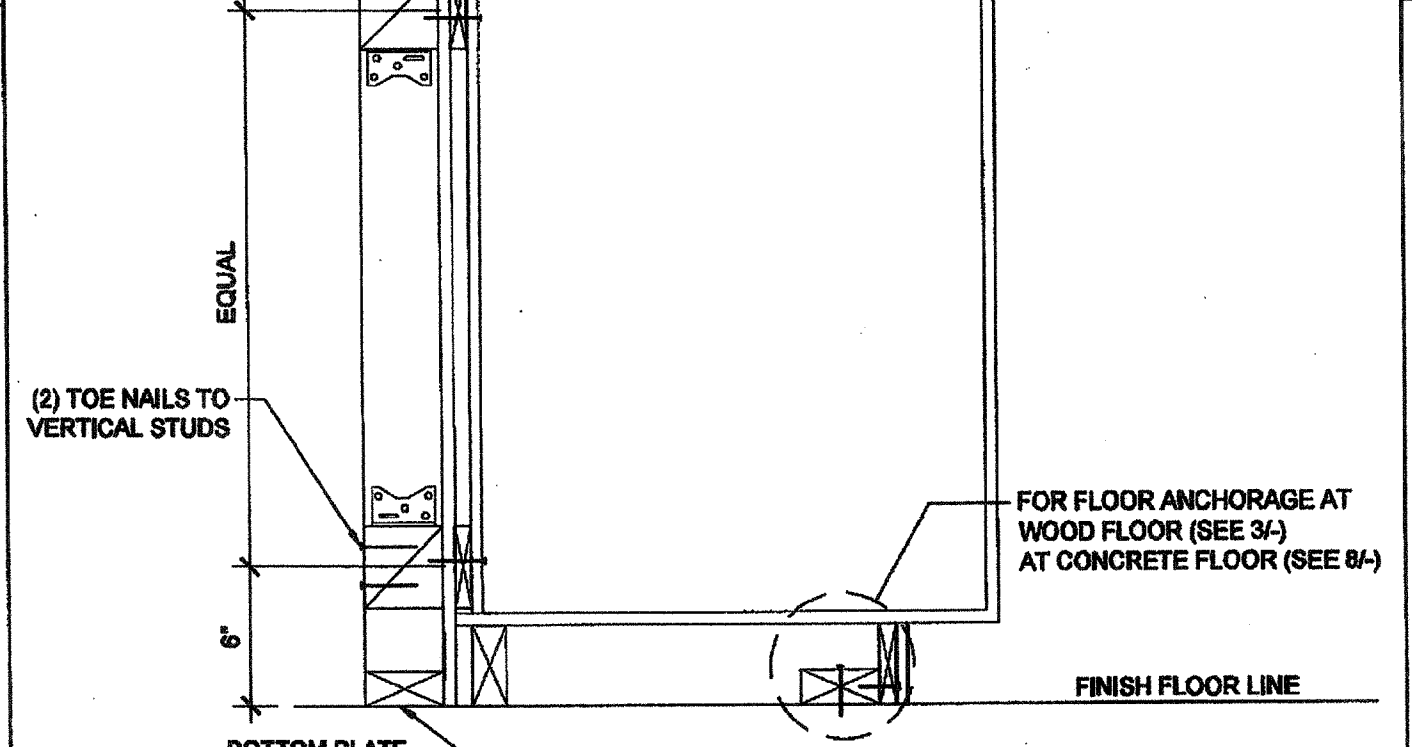
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE: 3" = 1'-0" 8



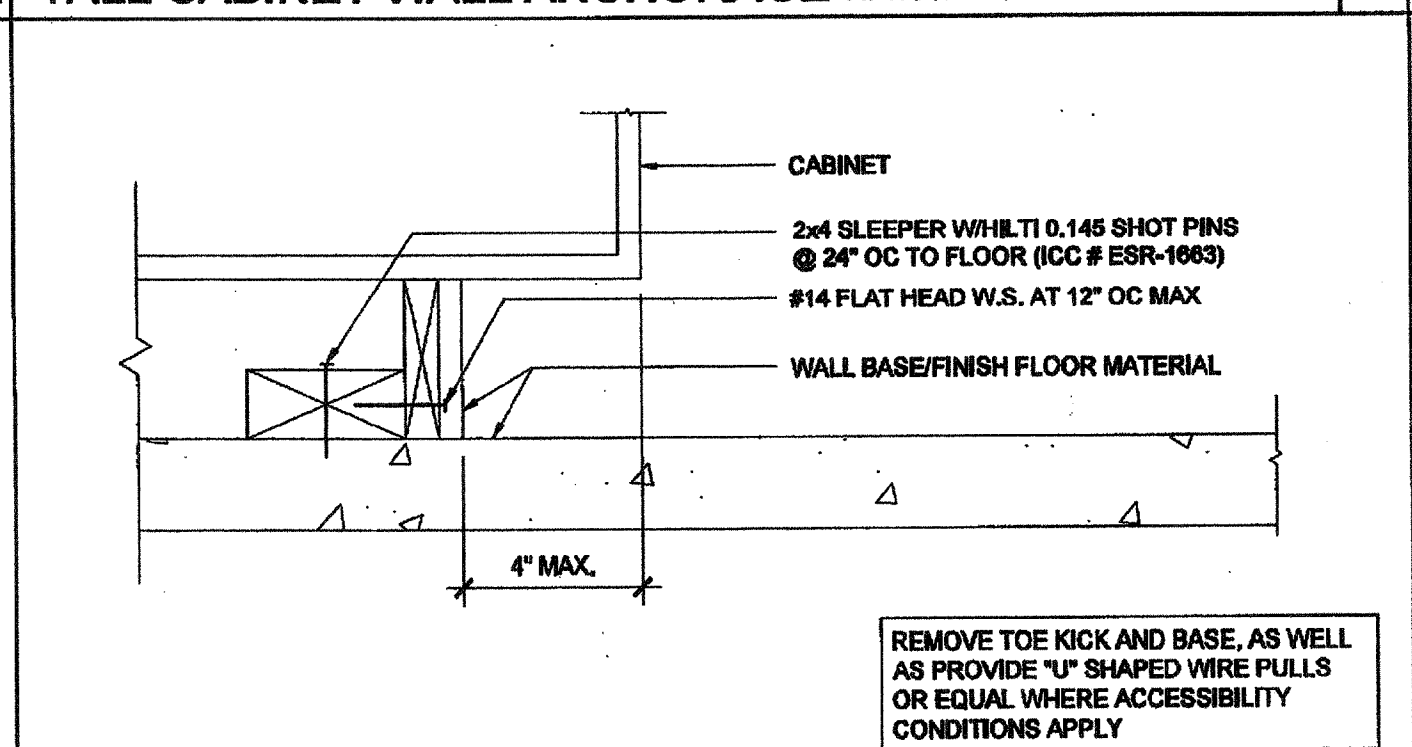
TALL CABINET WALL ANCHORAGE SCALE: 1 1/2" = 1'-0" 10



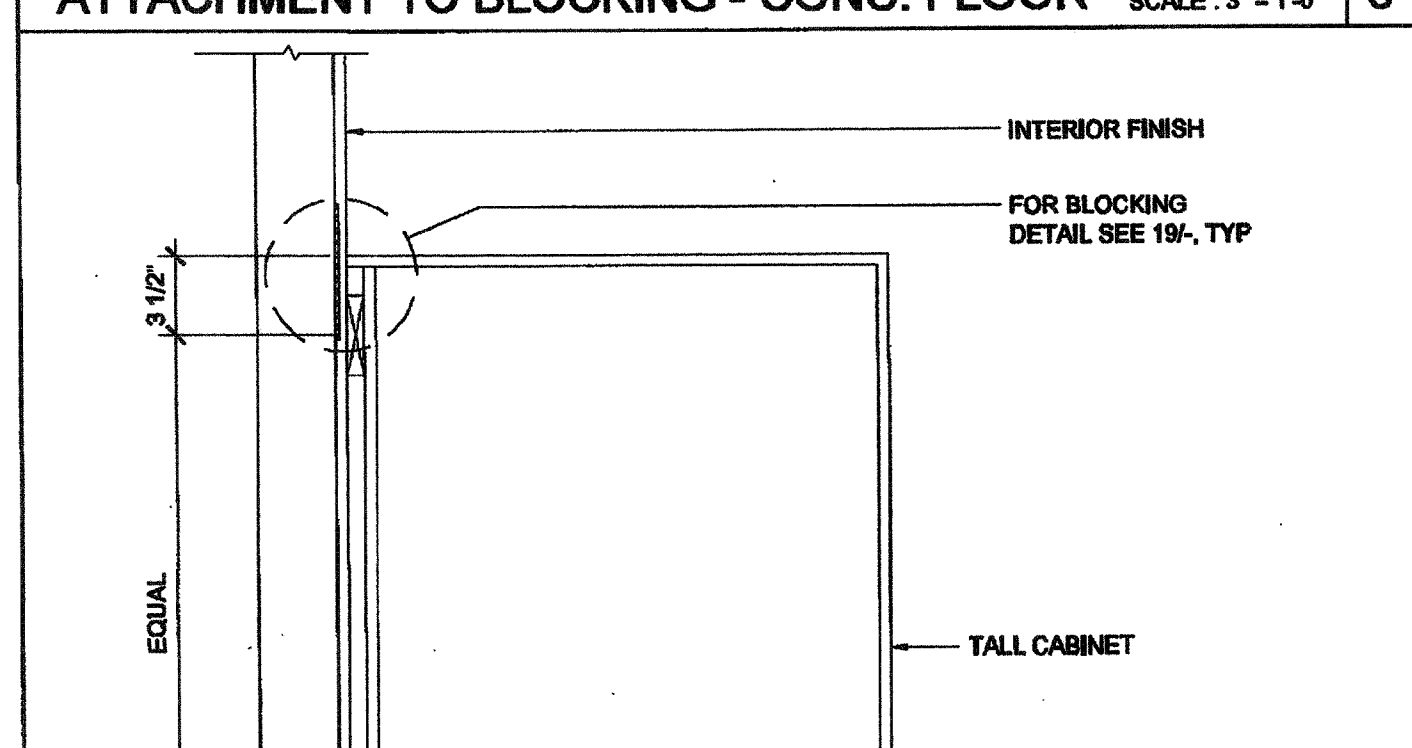
WALL HUNG ANCHORAGE CABINET AT WOOD STUD SCALE: 1 1/2" = 1'-0" 2



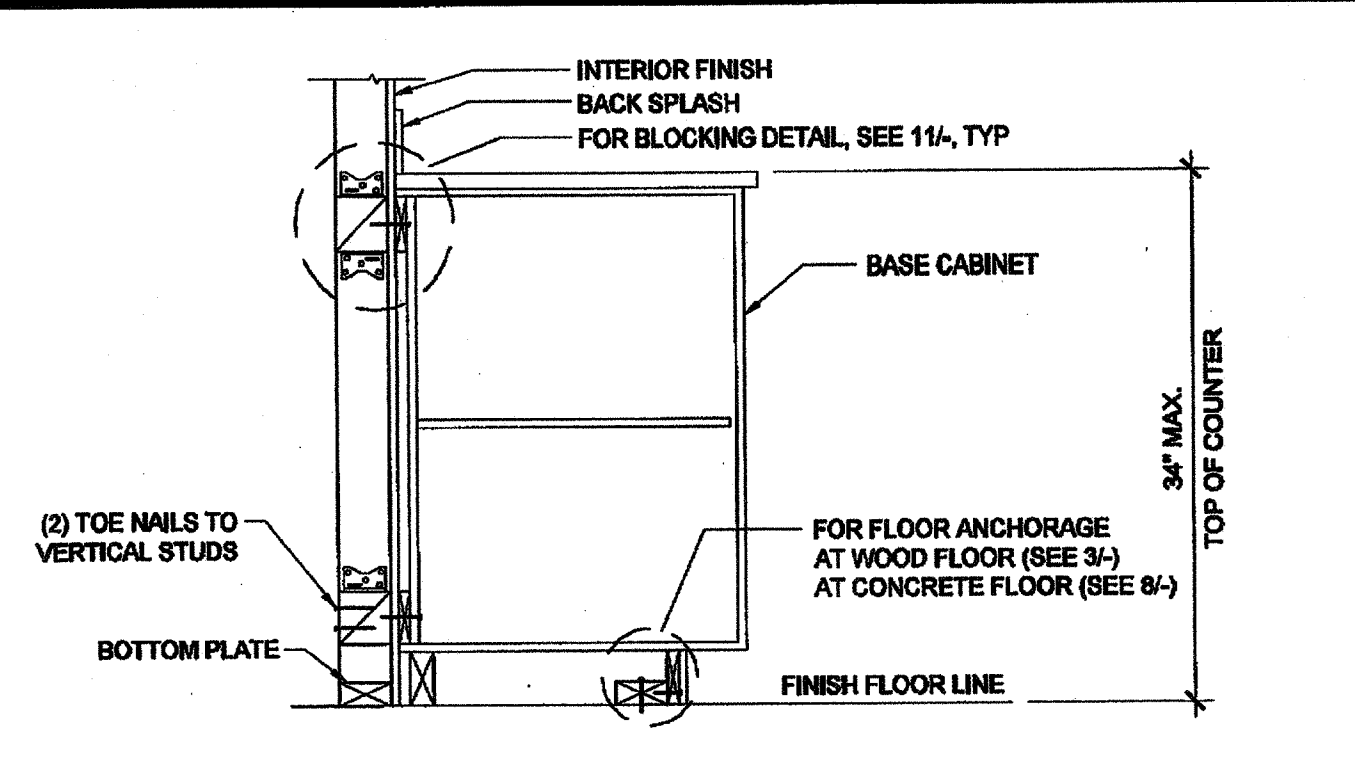
ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE: 3" = 1'-0" 3



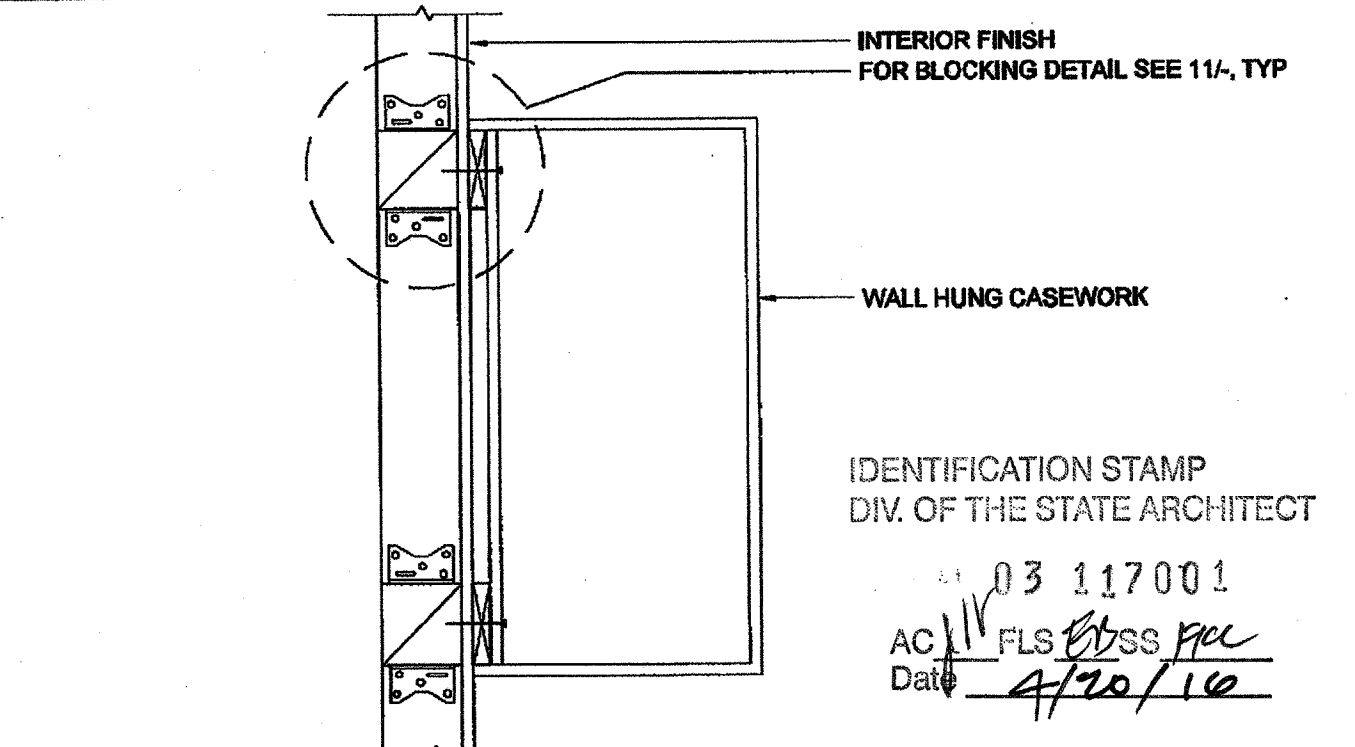
BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 4



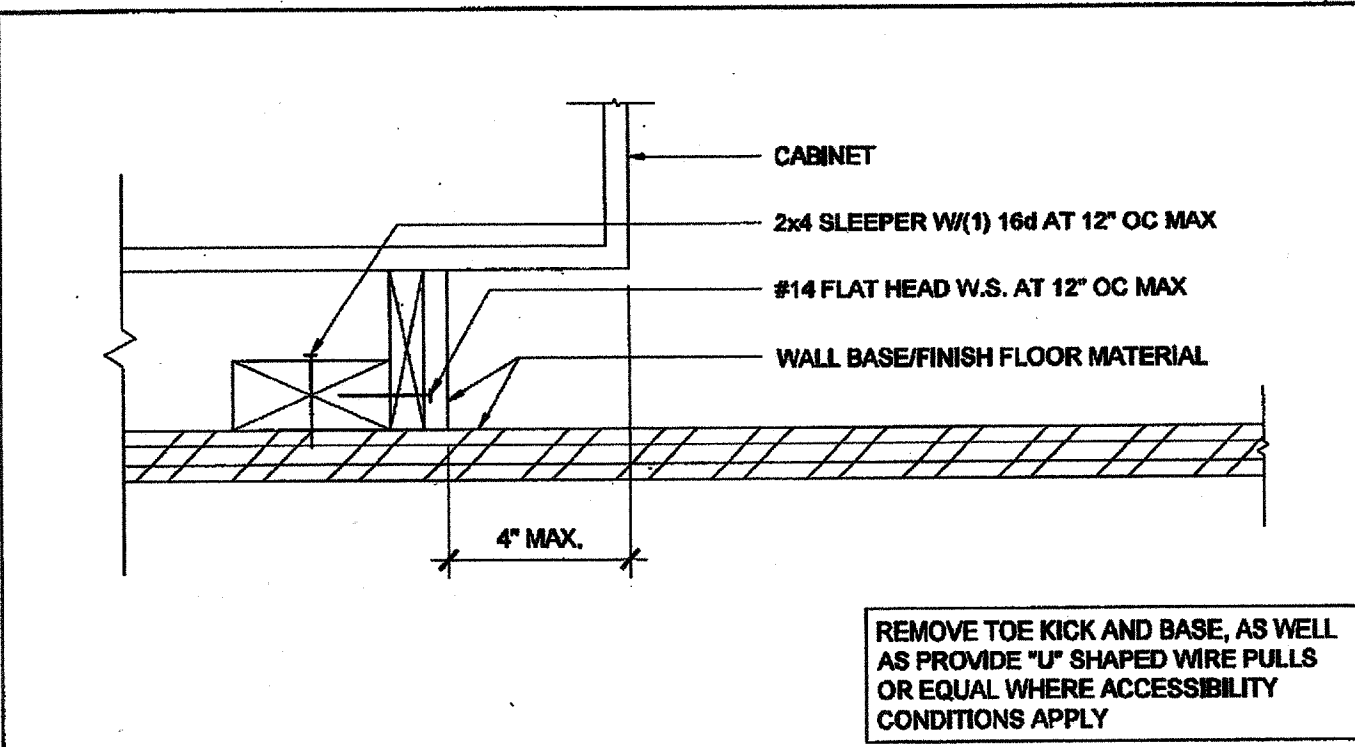
WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 5



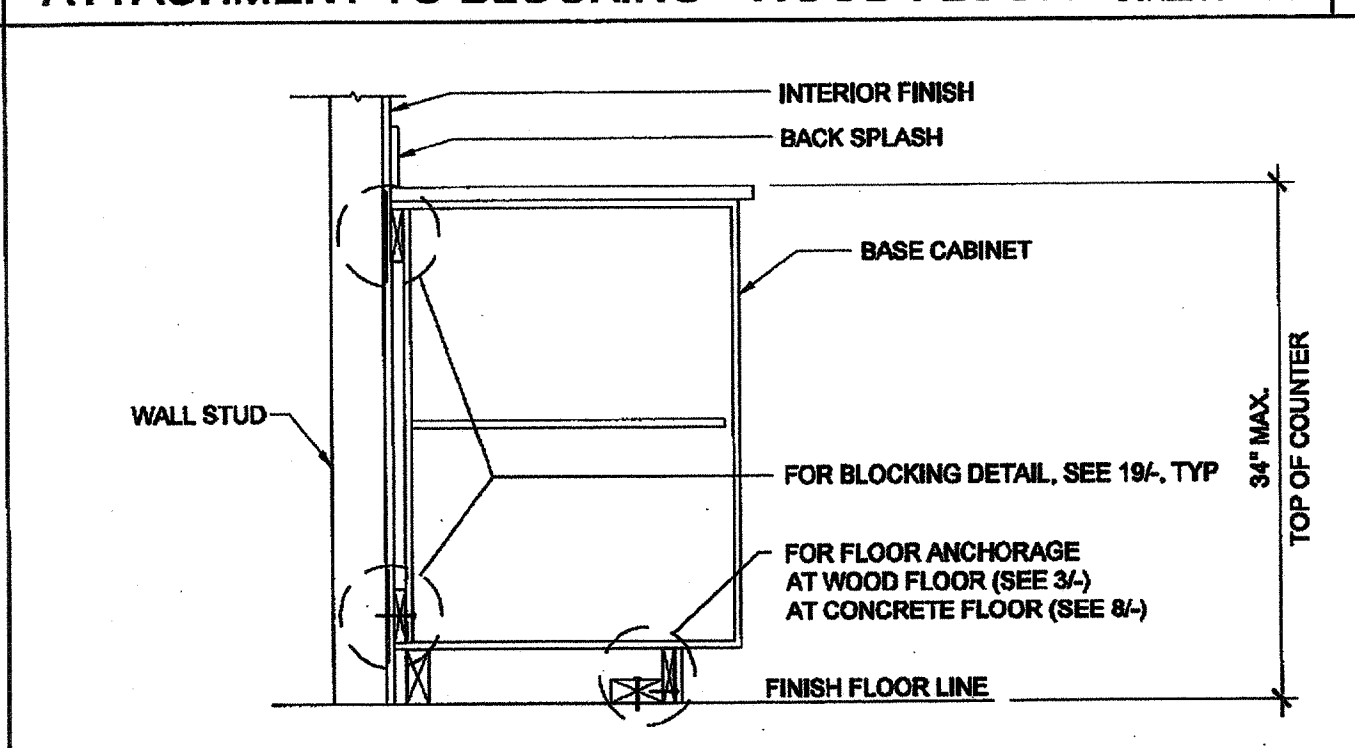
BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 1



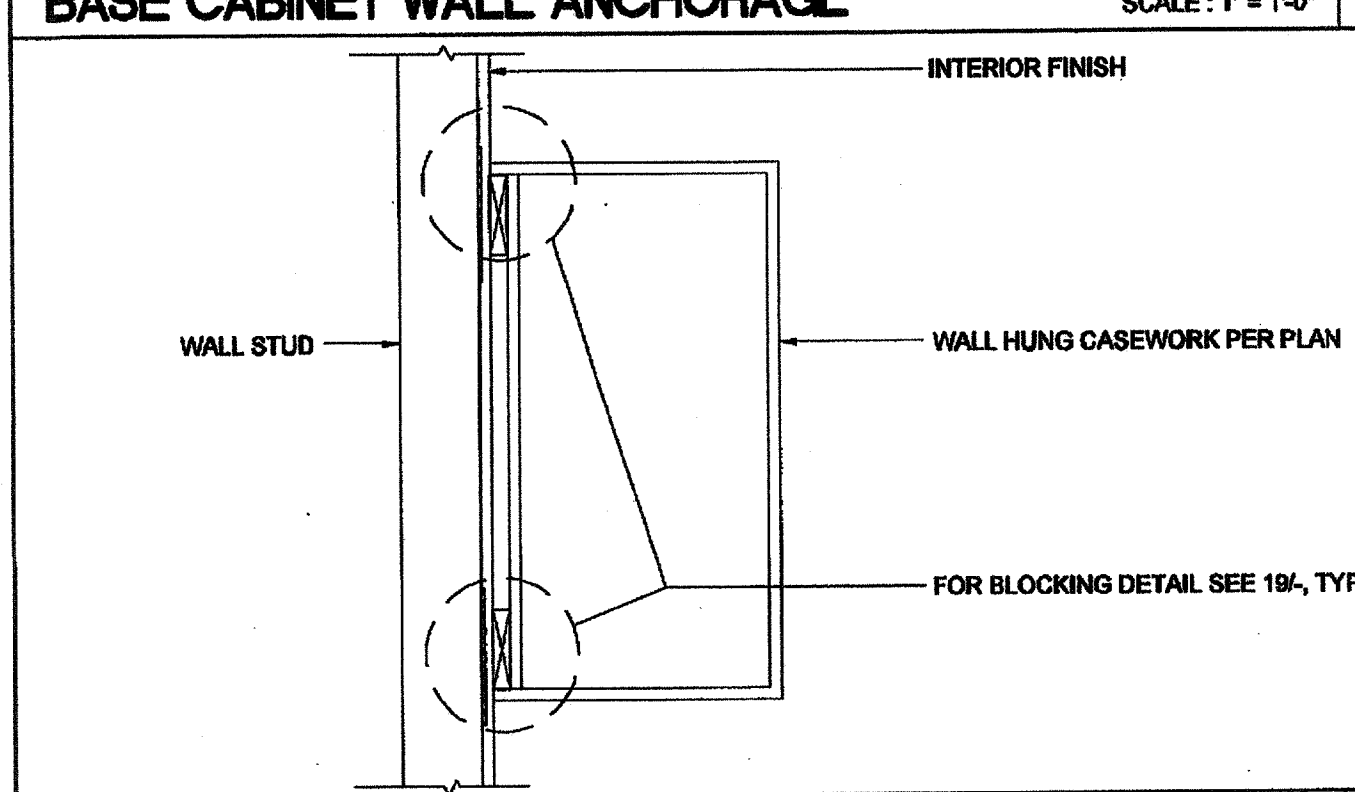
WALL HUNG ANCHORAGE CABINET AT WOOD STUD SCALE: 1 1/2" = 1'-0" 2



ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE: 3" = 1'-0" 3



BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 4



WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 5

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SILVER CREEK INDUSTRIES, INC.



195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

SHEET TITLE:

ARCHITECTURAL  
DETAILS  
MISCELLANEOUS / OPTIONS

03 117001  
AC 11/15 FLS BSS JPC  
Date 4/20/16

12/23/2011

ARCHITECT OF RECORD  
SUBMISSION DATE

010322  
9-28-15

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

04 113850  
AC 11/15 FLS BSS JPC  
DATE AUG 28 2016

ORIGINAL PC STATE AGENCY APPROVAL

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

PC 04-112070  
AC 11/15 FLS BSS JPC  
DATE DEC 28 2016

REVISIONS

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:

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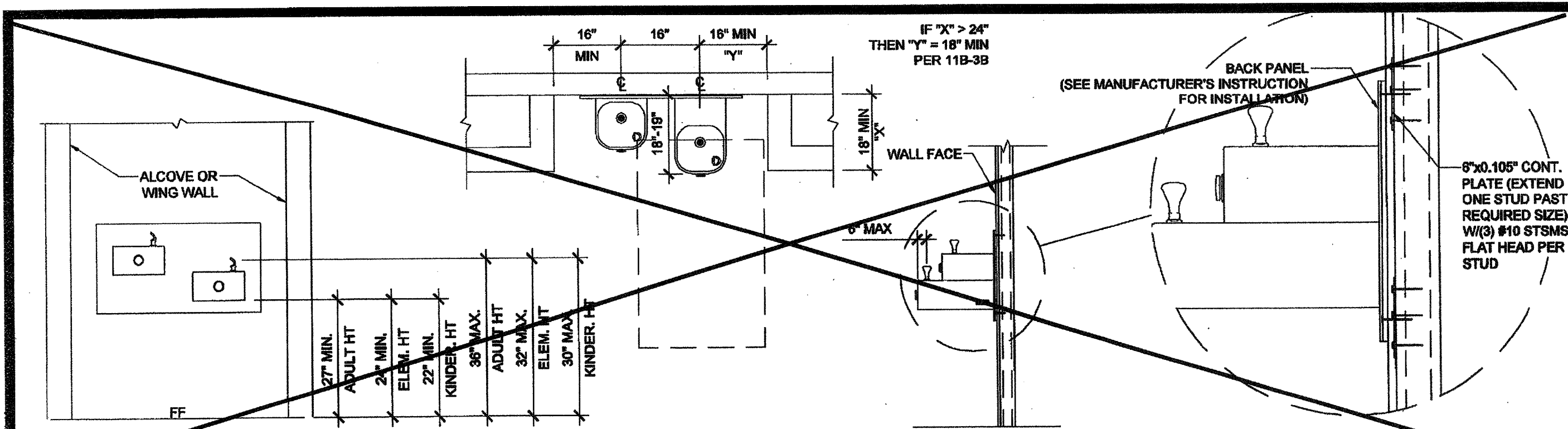
SCALE: AS NOTED

DATE: 8-17-11

P.C. SHEET NUMBER

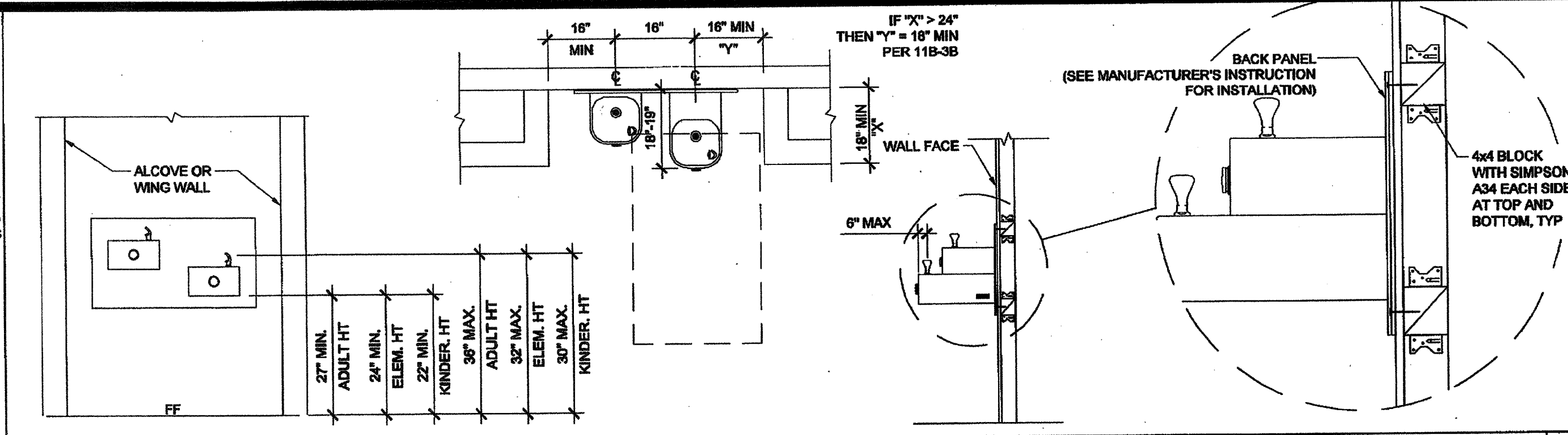
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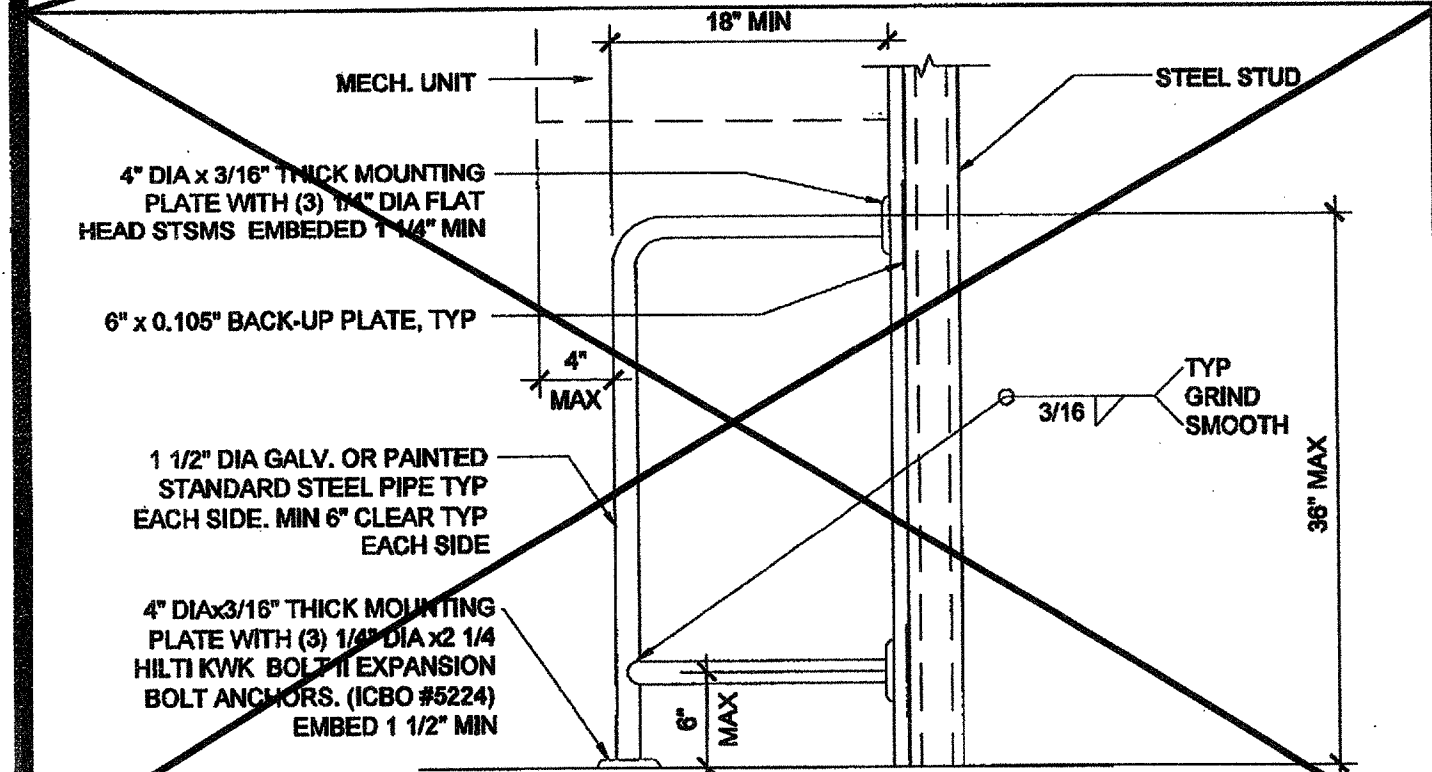
DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD

SCALE: 1/2" = 1'-0"



DRINKING FOUNTAIN BLOCKING DETAIL AT WOOD STUD

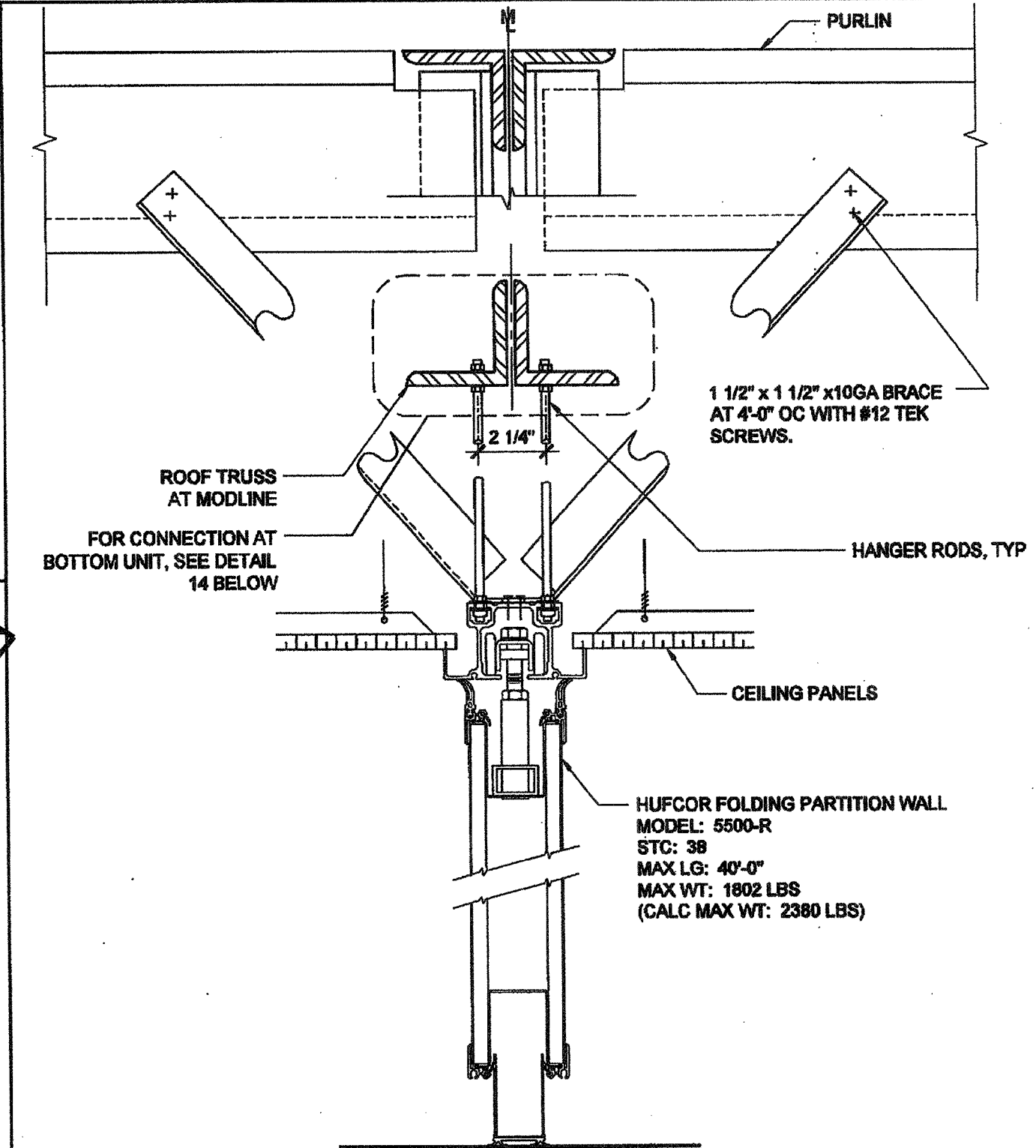
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HVAC BARRIER

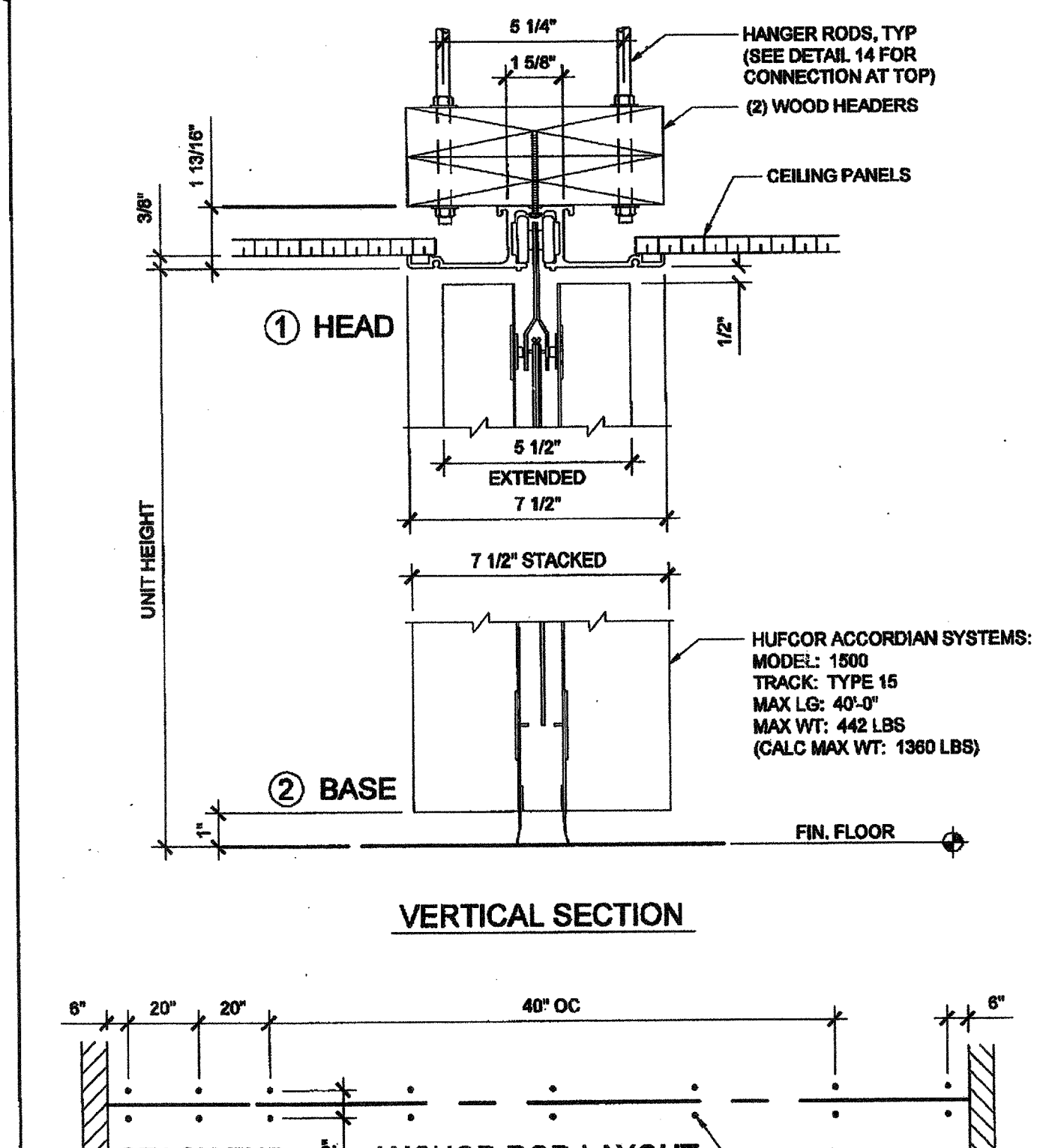
AT STEEL STUD

SCALE: 1" = 1'-0"



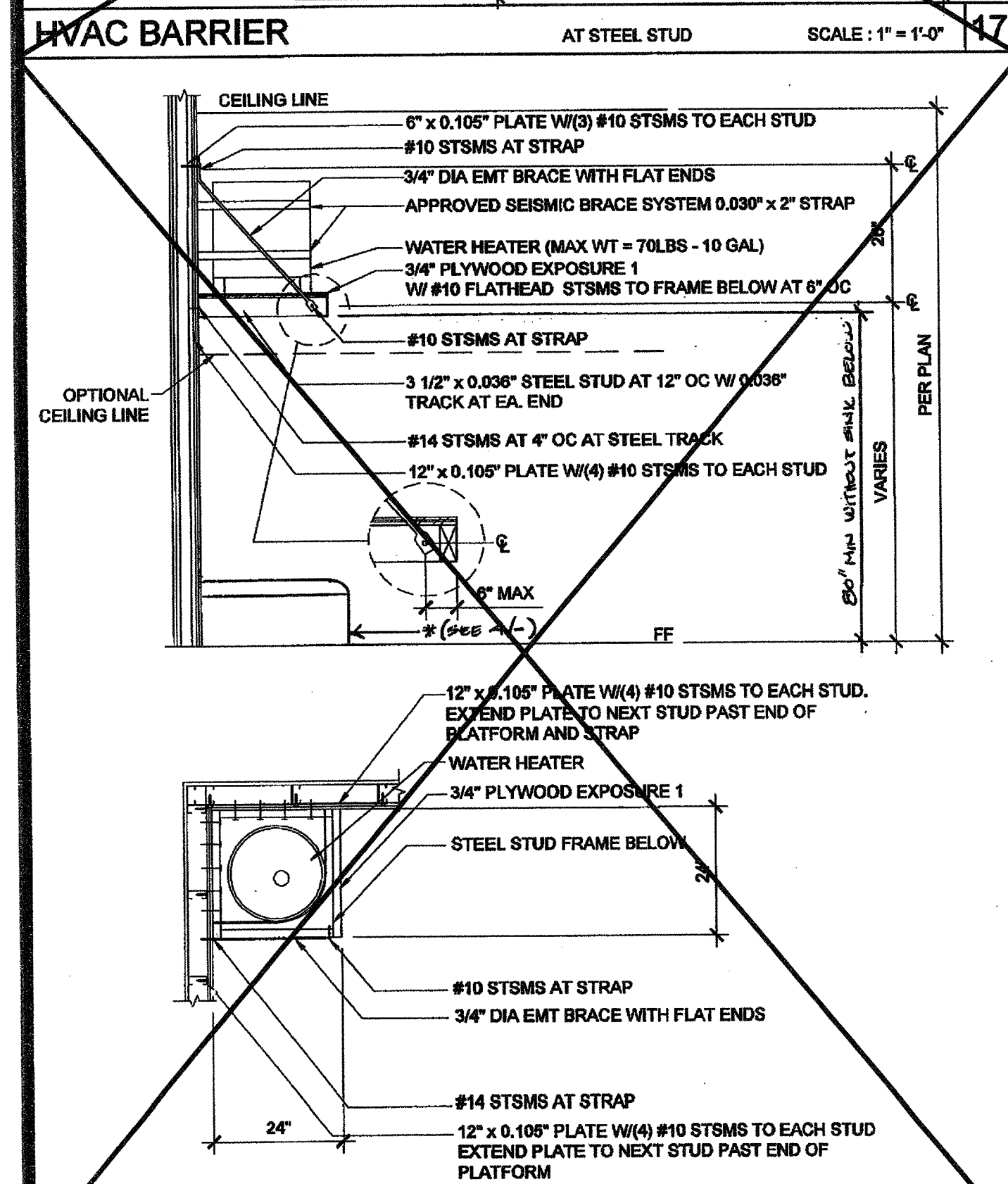
FOLDING WALL PARTITION ATTACH @ TOP UNIT

SCALE: 3" = 1'-0"



ACCORDIAN PARTITION ATTACHMENT

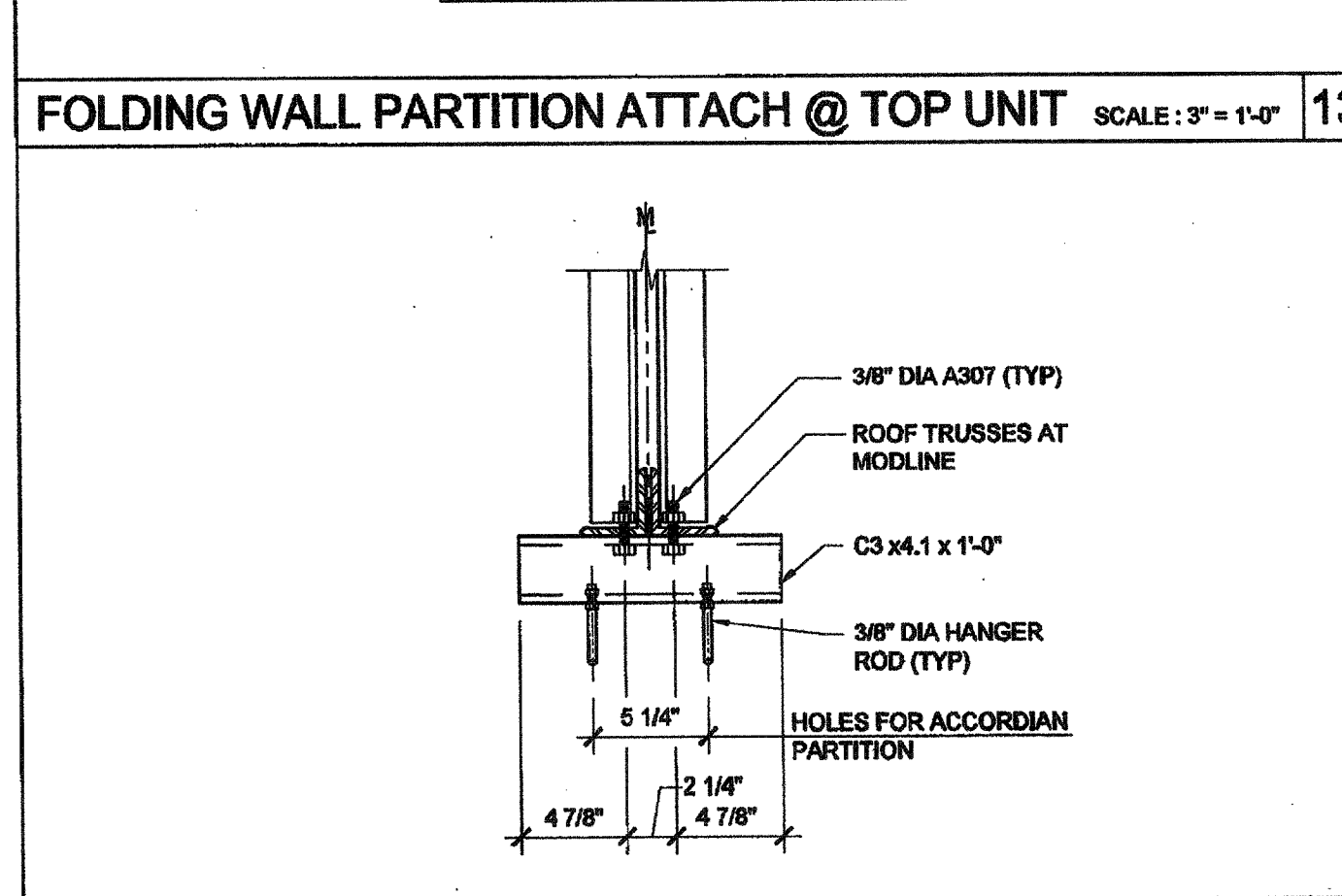
SCALE: 3" = 1'-0"



WATER HEATER SHELF

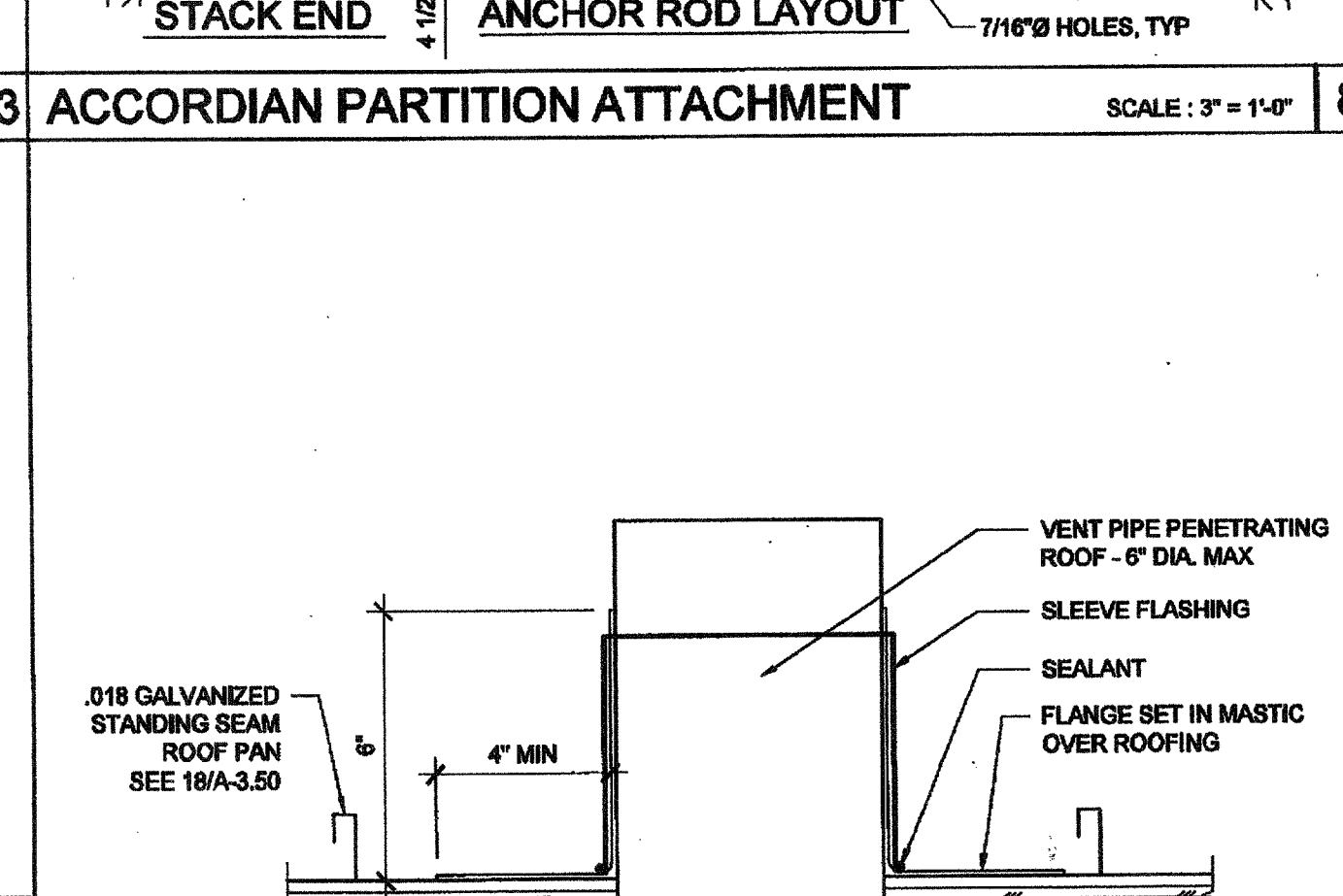
AT STEEL STUD

SCALE: 1/2" = 1'-0"



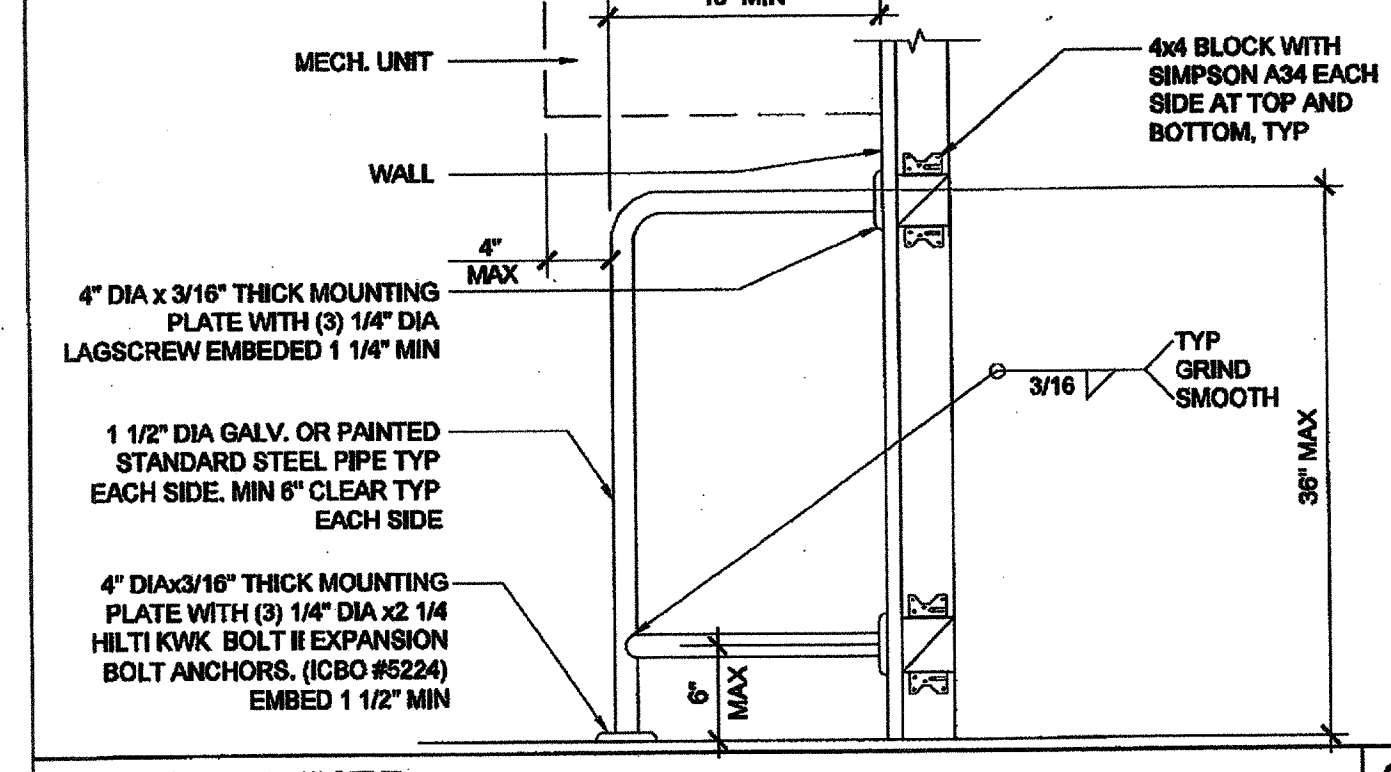
ACCORDIAN DOOR - TOP CONN AT TRUSS

SCALE: 1 1/2" = 1'-0"



PIPE PENETRATION THROUGH ROOF

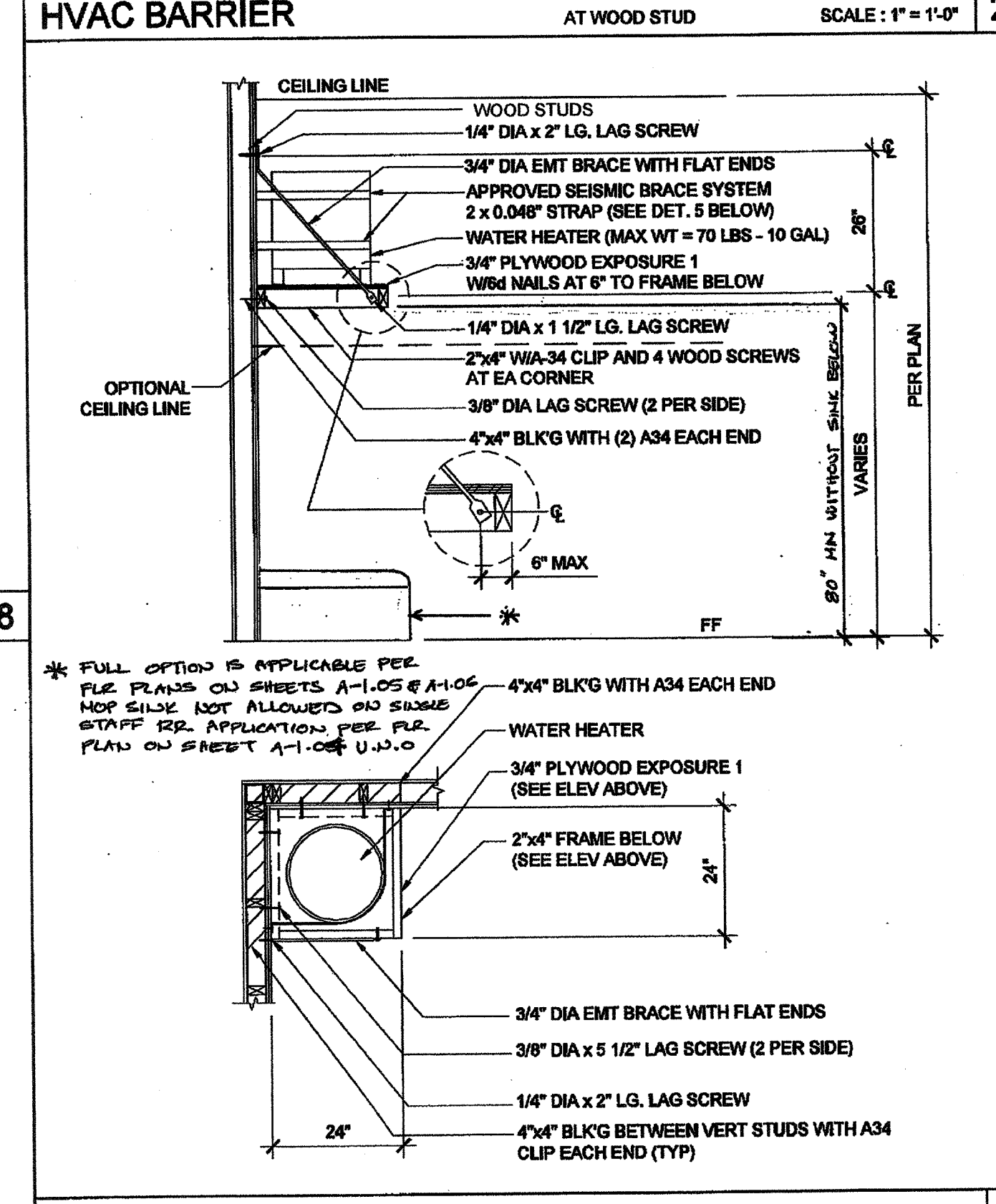
SCALE: 3" = 1'-0"



HVAC BARRIER

AT WOOD STUD

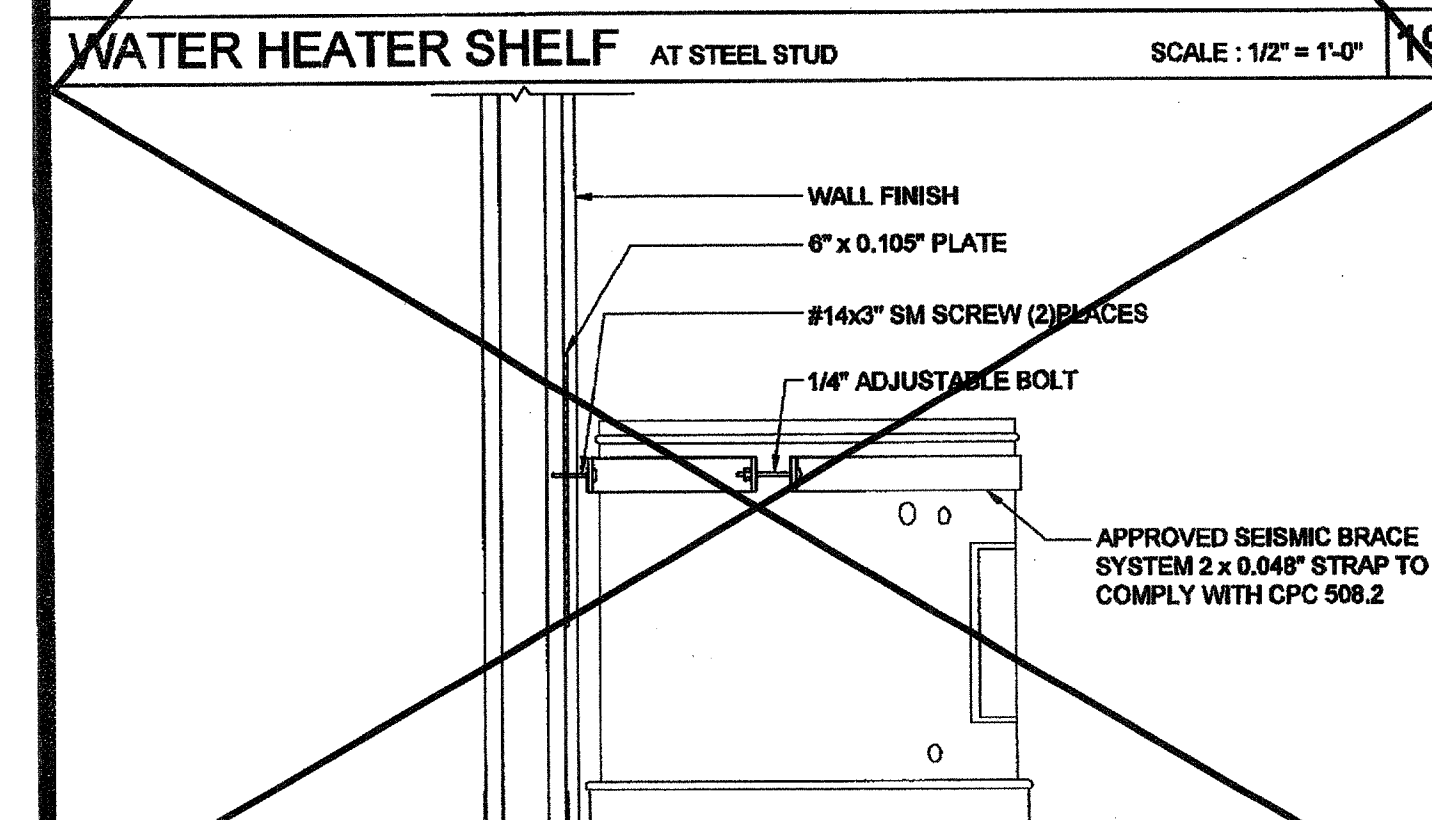
SCALE: 1" = 1'-0"



WATER HEATER SHELF

AT WOOD STUD

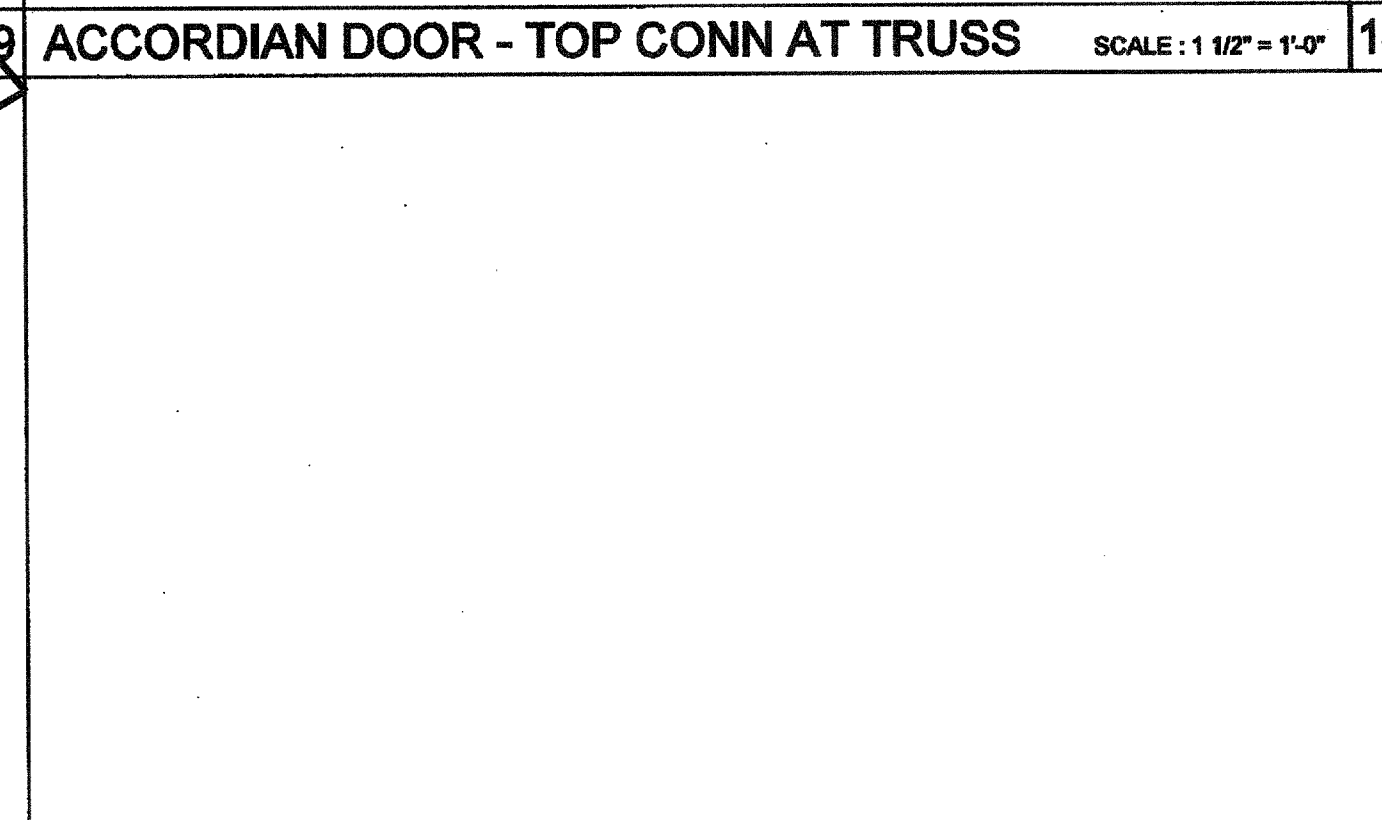
SCALE: 1/2" = 1'-0"



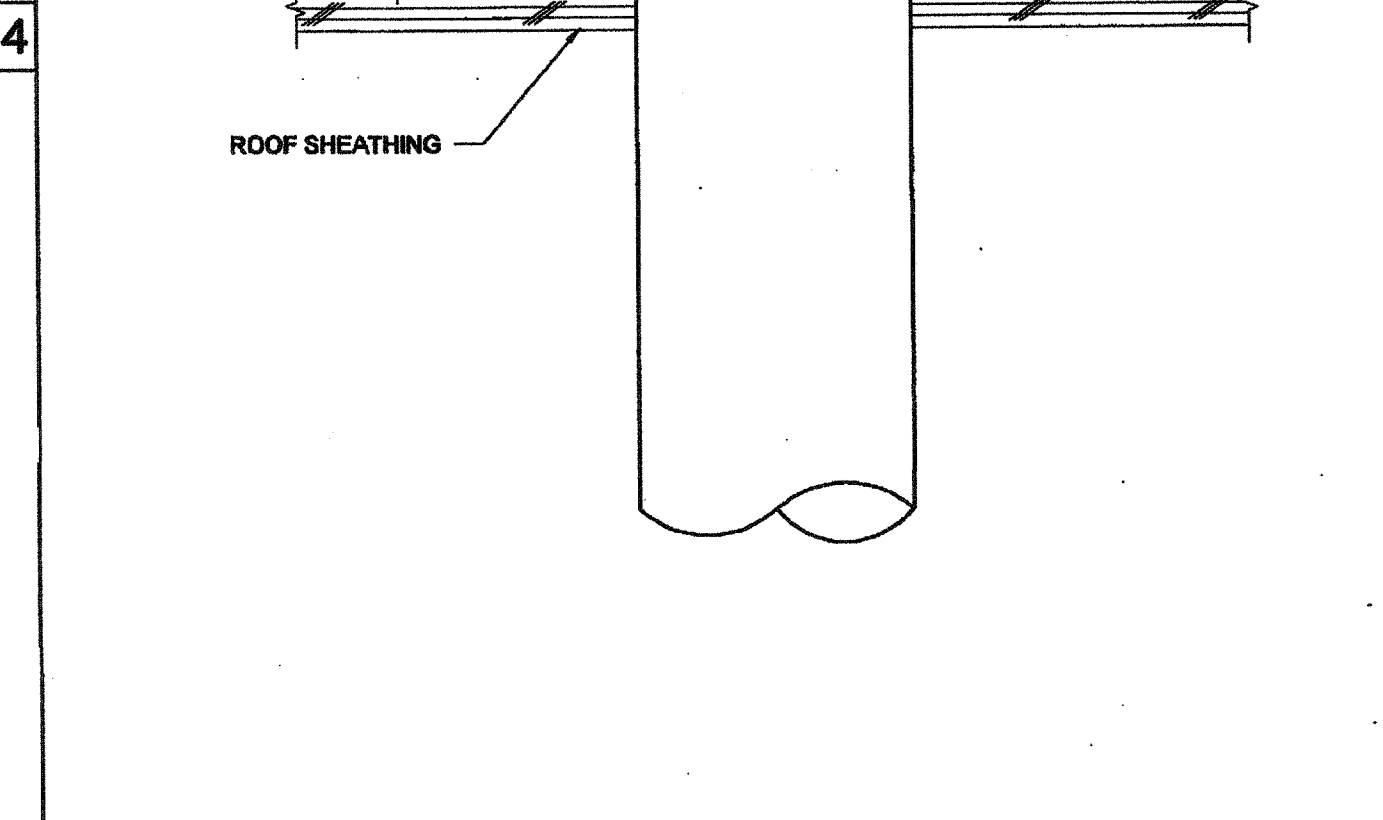
WATER HEATER BRACING

AT STEEL STUD

SCALE: 1 1/2" = 1'-0"



NOT USED



WATER HEATER BRACING

AT WOOD STUD

SCALE: 1 1/2" = 1'-0"

WATER HEATER BRACING

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SILVER CREEK INDUSTRIES, INC.



195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

SHEET TITLE:

ARCHITECTURAL  
DETAILS

MISCELLANEOUS/OPTIONS

REGISTERED ARCHITECT

NO. 02854

DATE 12/23/2011

ARCHITECT OF RECORD

SUBMISSION

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

OFFICE OF REGULATION SERVICES

04 113850

DATE 12/23/2011

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

OFFICE OF REGULATION SERVICES

PC 04-112070

DATE 12/23/2011

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

OFFICE OF REGULATION SERVICES

03 117001

DATE 12/23/2011

SILVER CREEK INDUSTRIES

30' x 32' PC

PROJECT NO:

DRAWN BY:

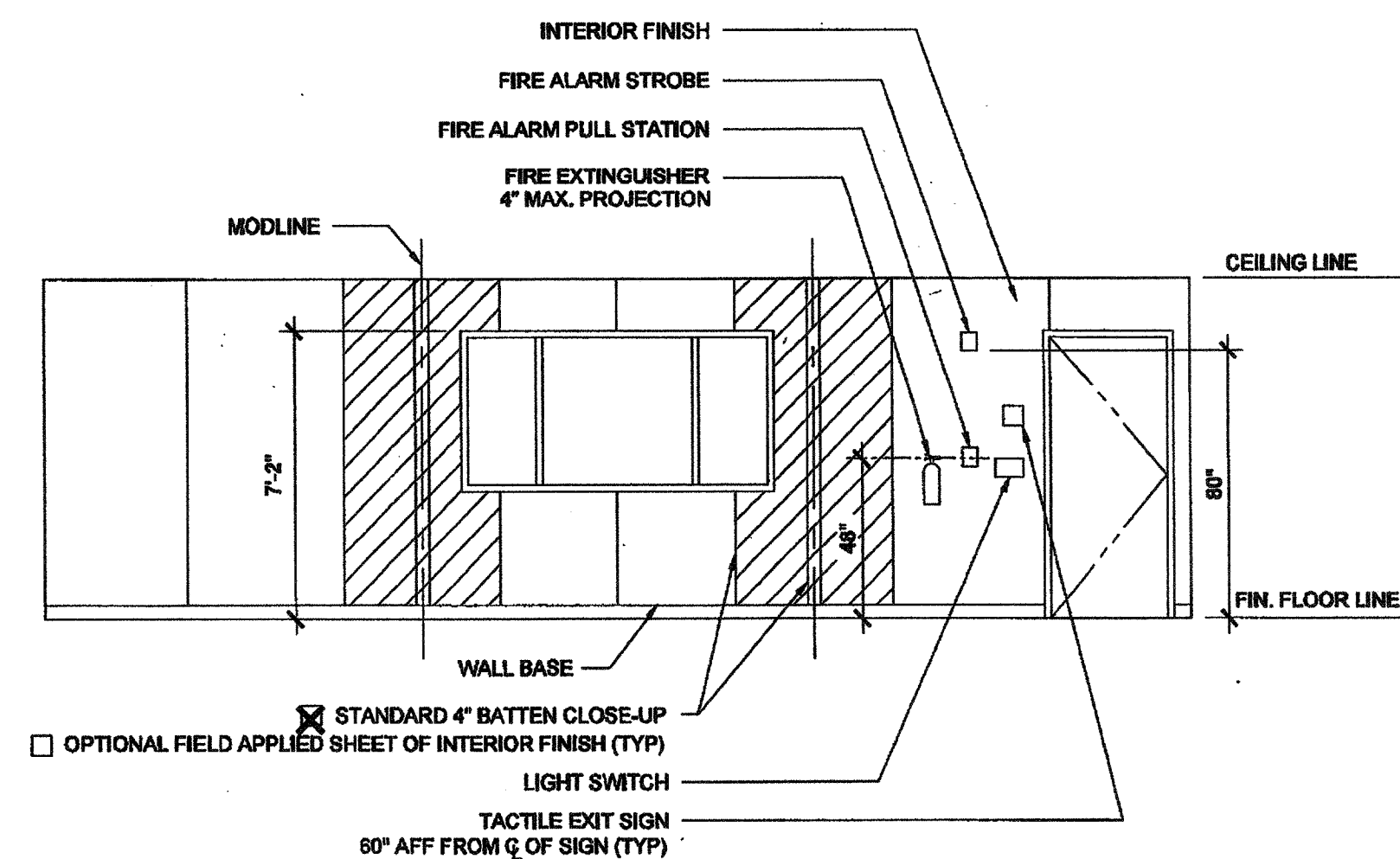
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DATE: 6-17-11

P.C. SHEET NUMBER

A-5.81



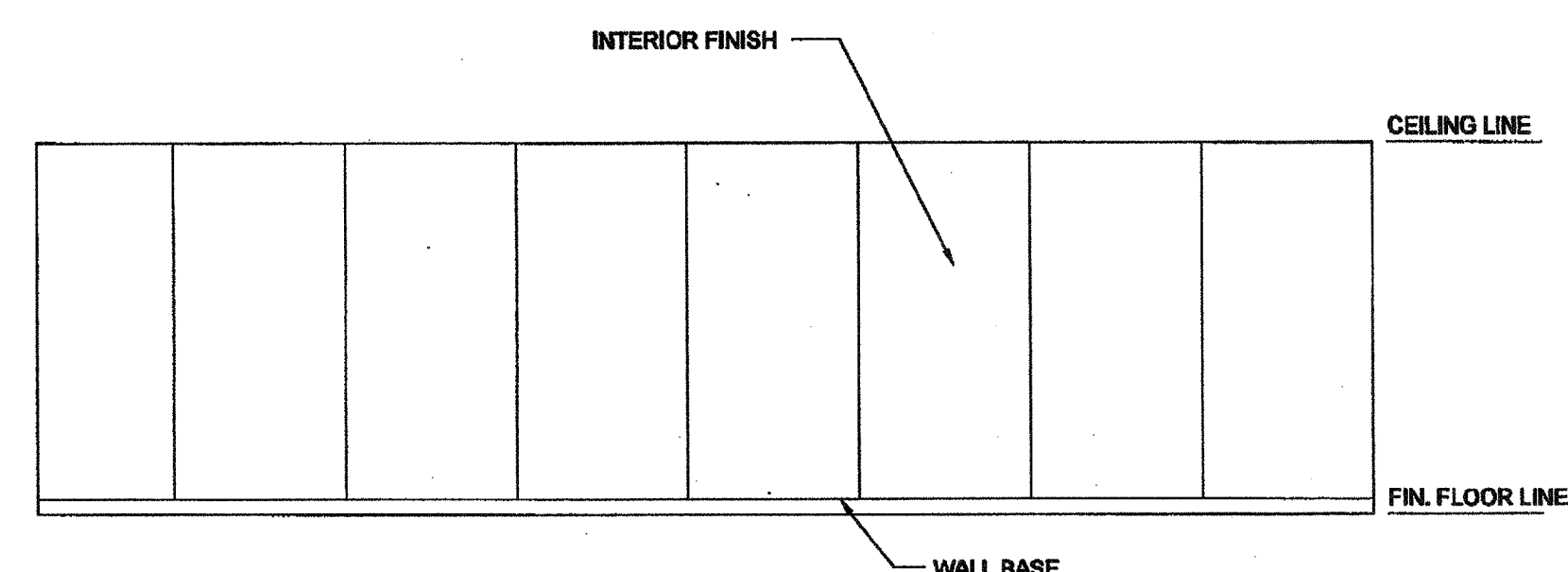


FRONT ELEVATION

SCALE: 1/4" = 1'-0"

REAR ELEVATION

SCALE: 1/4" = 1'-0"

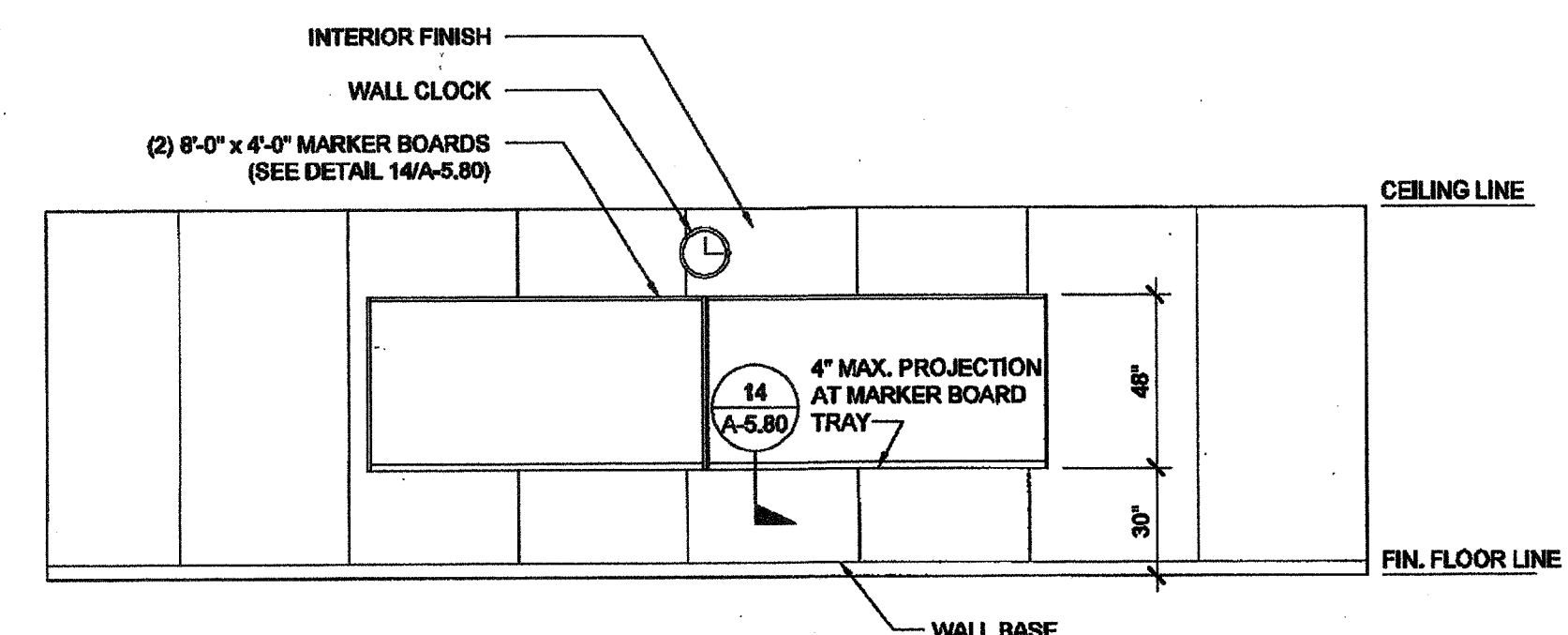
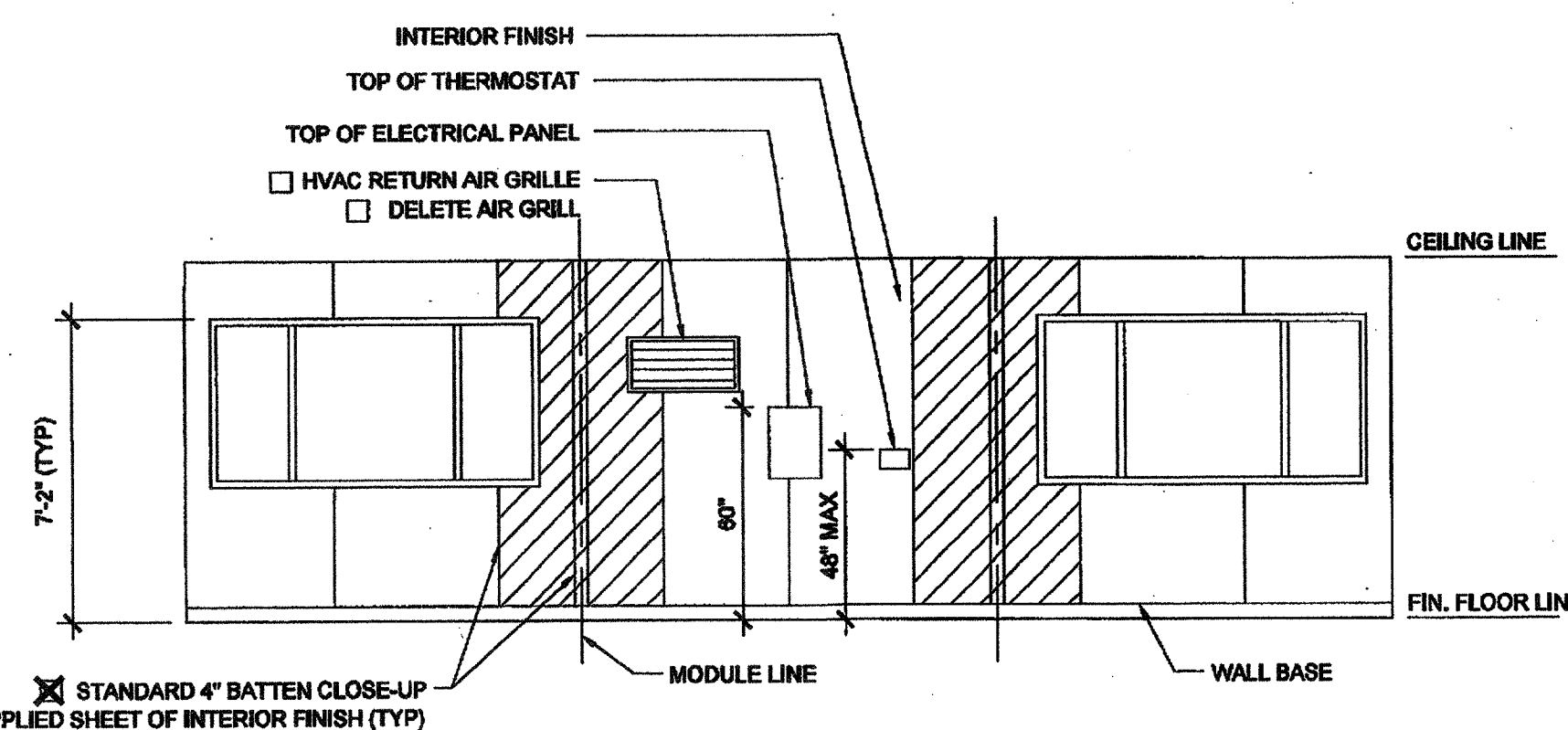


SIDE ELEVATION

SCALE: 1/4" = 1'-0"

SIDE ELEVATION

SCALE: 1/4" = 1'-0"



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

03 117001  
AC 11/15/11  
Date 4/20/16

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SILVER CREEK INDUSTRIES, INC.



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PHONE: 951-943-5393 FAX: 951-943-2211

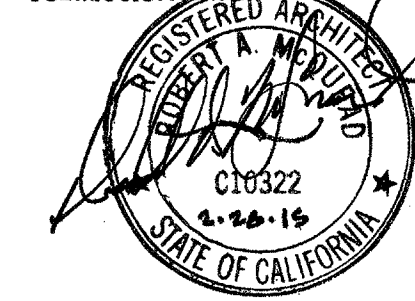
PROJECT NAME:  
**CLASS LEASING  
CLASSROOMS BLDG'S**

SHEET TITLE:  
**INTERIOR ELEVATION  
30' x 32'**

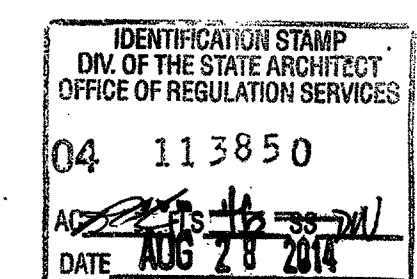


12/23/2011

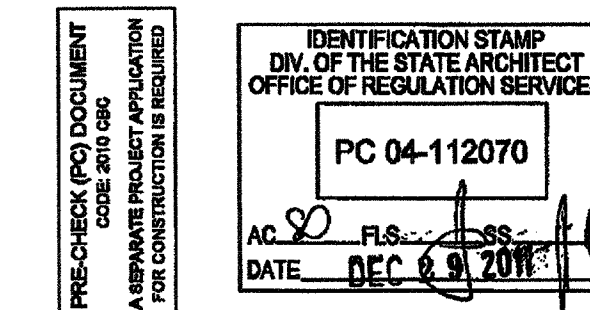
ARCHITECT OF RECORD  
SUBMISSION



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

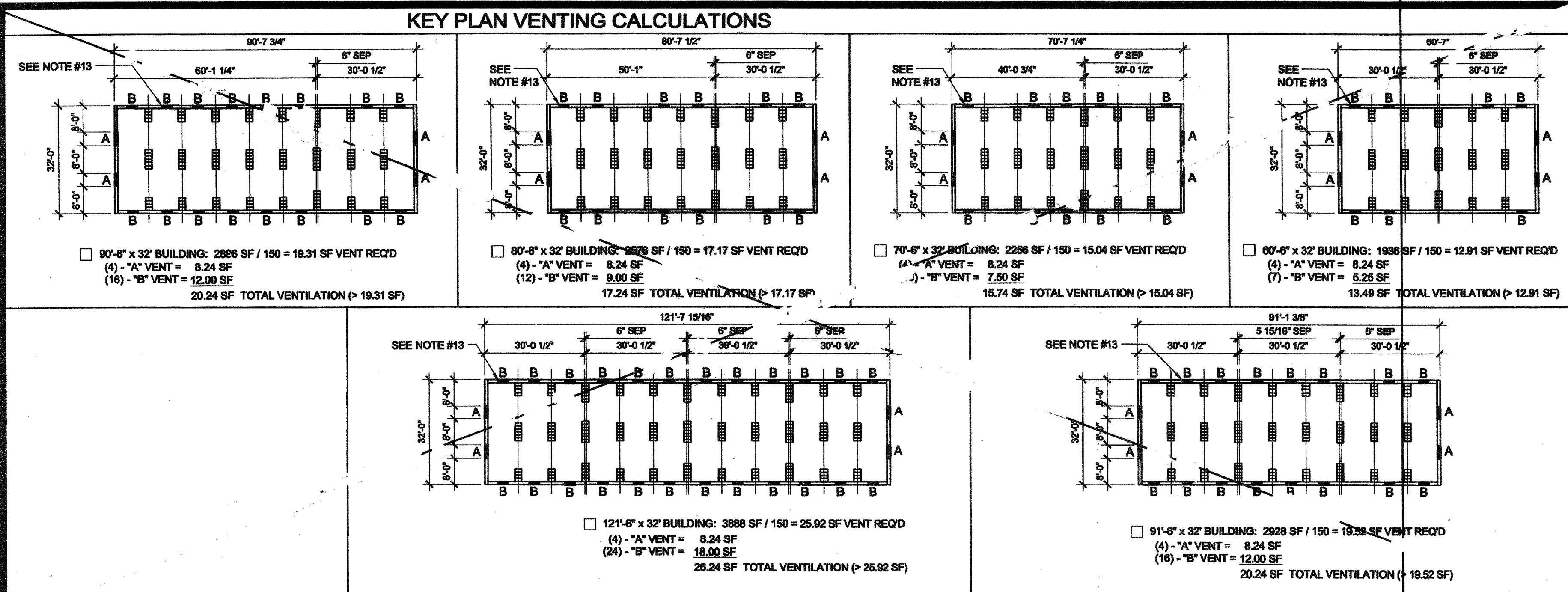
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 6-17-11  
P.C. SHEET NUMBER

**A-6.01**





### WOOD FOUNDATION PLATE SCHEDULE

**50 + 15 PSF**

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL		SEPARATION PAD AT INTERIOR	
					SEPARATE BLDGS	ONE BLDG	SEPARATE BLDGS	ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x6	(2) ROWS OF 2x4	2x6
TOP	2x6	2x6	2x6	2x6	(2) ROWS OF 2x6	2x6	(2) ROWS OF 2x6	2x6
BLOCK	2x6	2x6	2x10	2x10	(2) ROWS OF 2x6	2x10	(2) ROWS OF 2x6	2x10
SILL	2x12	2x12	(5) 2x12 x 2'-0"	(6) 2x12 x 2'-0"	(2) ROWS OF 2x14	(7) 2x12 x 2'-0"	(2) ROWS OF 2x14	(9) 2x12 x 2'-0"

### KEY PLAN VENTING SCHEDULE

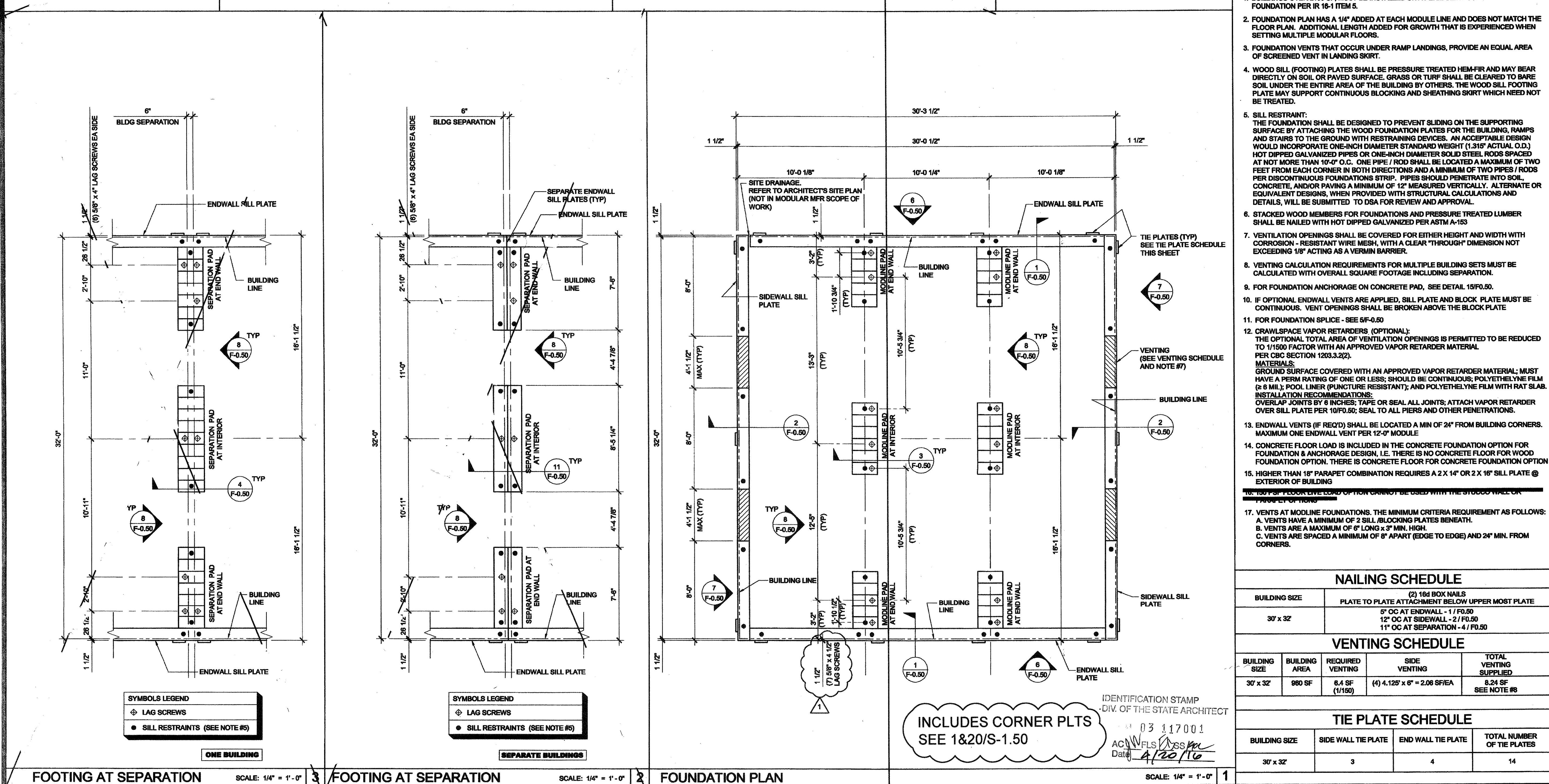
**VENT "A" (SIDEWALL):** 4'-1 1/2" x 6" = 2.06 S.F. VENTILATION  
 "VENT OPENING BELOW CONT. UPPER PLATE"

**VENT "B" (ENDWALL):** 3'-0" x 3" = 0.75 S.F. VENTILATION  
 (OPTIONAL AT MULTIPLE BLDG SETS)  
 "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATE"

### FOUNDATION PLATE DESCRIPTION

### NOTES

- BUILDINGS OVER 2180 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 5.
- FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
- FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
- WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
- SILL RESTRAINT: THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
- STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153.
- VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
- VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
- FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15F0.50.
- IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE.
- FOR FOUNDATION SPLICE - SEE 5F-0.50
- CRAWLSpace VAPOR RETARDERS (OPTIONAL): THE TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1209.3.2(2). MATERIALS: GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHYLENE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLAB. INSTALLATION RECOMMENDATIONS: OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10F0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
- ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE.
- CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION.
- HIGHER THAN 18" PARAPET COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING.
- 10' 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE 3" ODD WALL OR PARAPET OPTION.
- VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:  
 A. VENTS HAVE A MINIMUM OF 2" SILL BLOCKING PLATES BENEATH.  
 B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.  
 C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.



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**SILVER CREEK INDUSTRIES, INC.**  
 'BUILDING FOR THE NEXT GENERATION'  
 195 EAST MORGAN PERRIS, CALIFORNIA 92571  
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME: **CLASS LEASING CLASSROOMS BLDG'S**

SHEET TITLE: **WOOD FOUNDATION PLAN 30x32 (50 + 15 PSF)**

**STAVAREZ**  
 ARCHITECT  
 10000 W. 15TH AVE. SUITE 200  
 DENVER, CO 80202  
 PHONE: 303.733.8888  
 FAX: 303.733.8889  
 WWW.STAVAREZ.COM

SEP 19 2012

ARCHITECT OF RECORD  
 SUBMISSION DATE

REGISTERED ARCHITECT  
 ROBERT A. MCMILLAN  
 C10322  
 STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 04 113850  
 AC: FLS/SS/ML  
 DATE: AUG 7 2014

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 PC 04-112070  
 AC: FLS/SS/ML  
 DATE: JAN 6 9 2015

**REVISED**

REVISIONS  
 PC REVISION 08/14/2012

**NAILING SCHEDULE**

BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
30' x 32'	5" OC AT ENDWALL - 1 / F0.50 12" OC AT SIDEWALL - 2 / F0.50 11" OC AT SEPARATION - 4 / F0.50

**VENTING SCHEDULE**

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDE VENTING	TOTAL VENTING SUPPLIED
30' x 32'	960 SF	6.4 SF (1/150)	(4) 4.125' x 6" = 2.06 SF/EA	8.24 SF SEE NOTE #8

**TIE PLATE SCHEDULE**

BUILDING SIZE	SIDE WALL TIE PLATE	END WALL TIE PLATE	TOTAL NUMBER OF TIE PLATES
30' x 32'	3	4	14

SILVER CREEK INDUSTRIES  
 30' x 32' PC

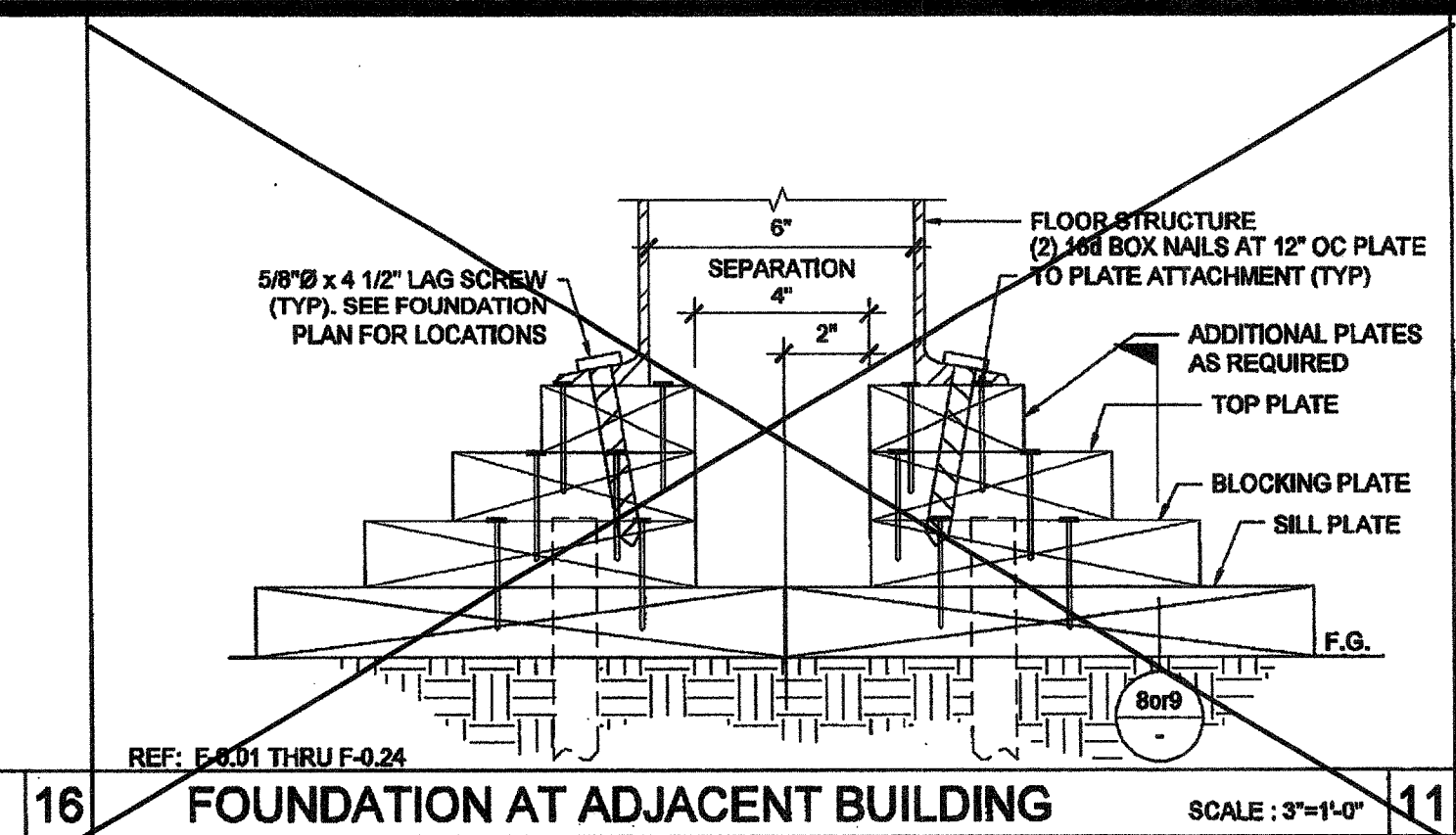
PROJECT NO:  
 DRAWN BY:  
 SCALE: AS NOTED  
 DATE: 6-17-11  
 P.C. SHEET NUMBER

**STKP-123**

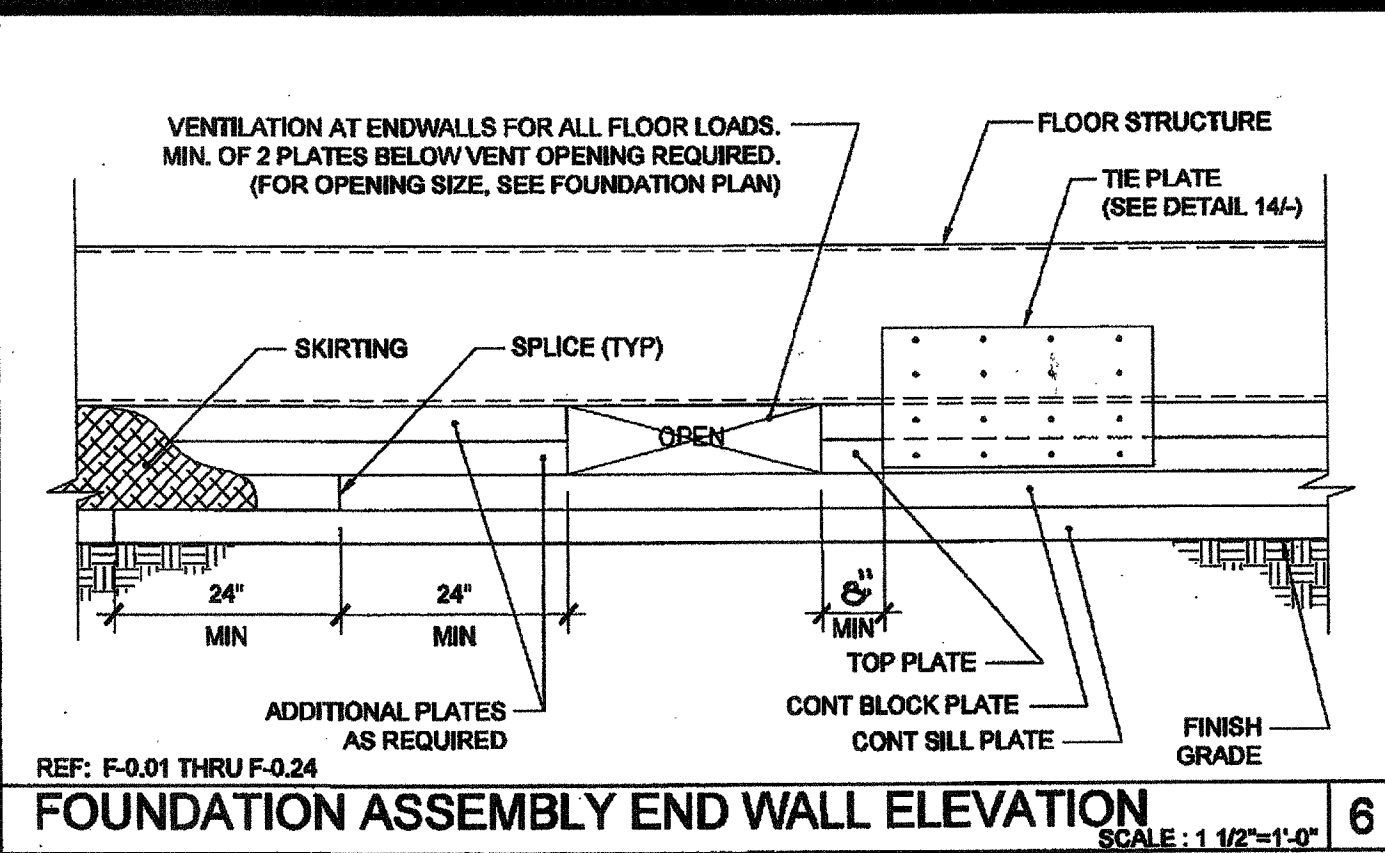
**F-0.02**

FOR REFERENCE

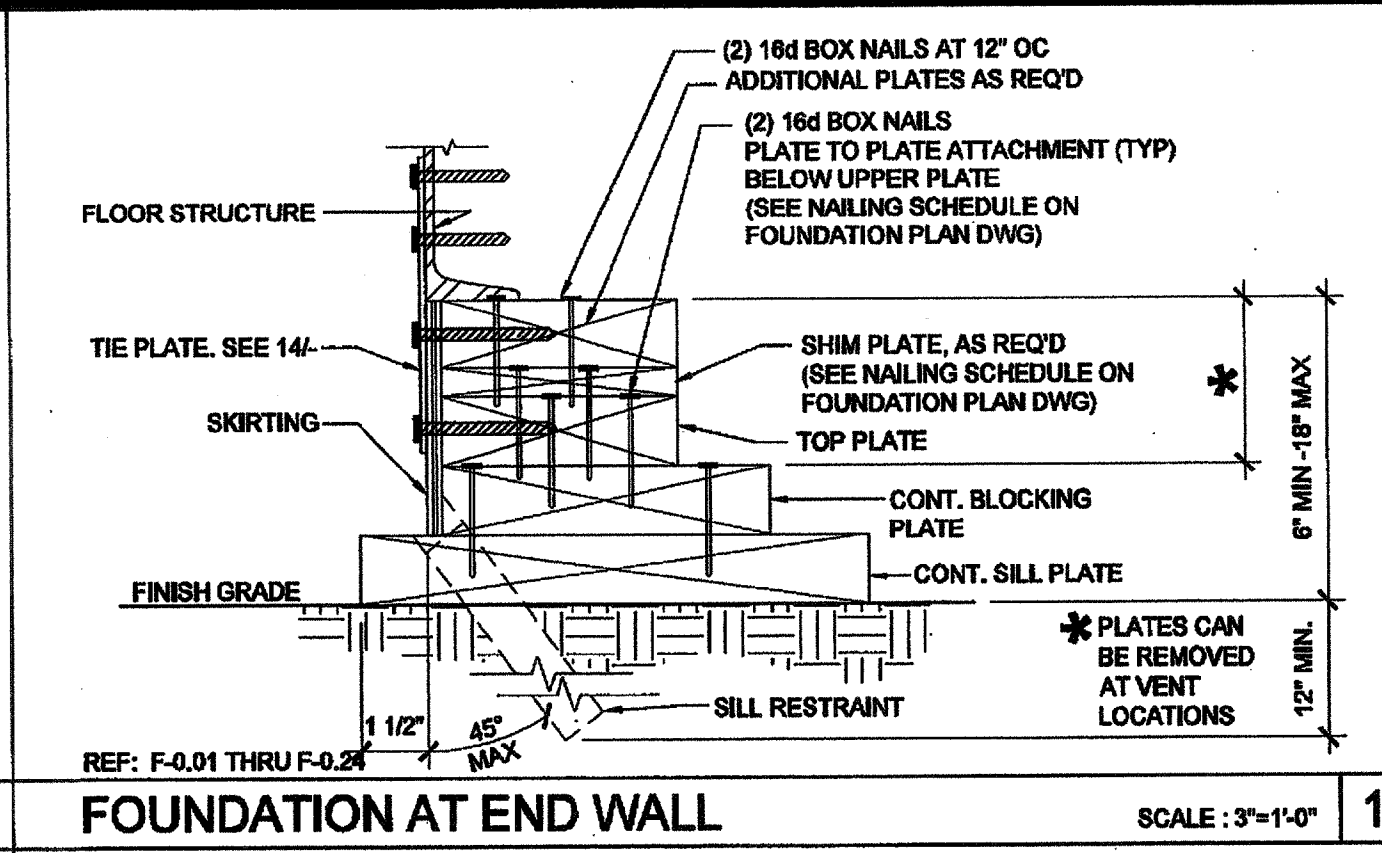




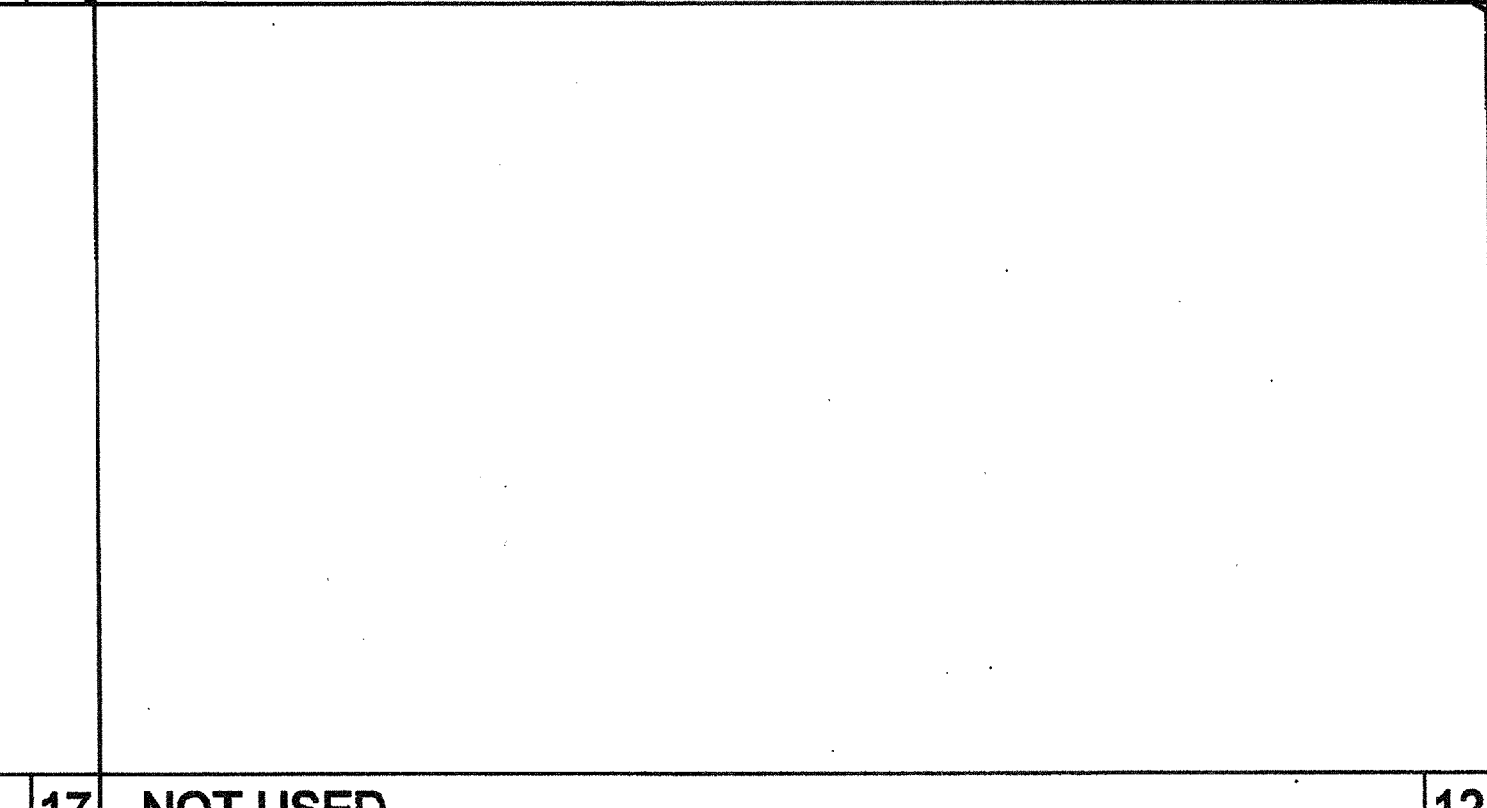
16 FOUNDATION AT ADJACENT BUILDING SCALE: 3/4"=1'-0"



11 FOUNDATION ASSEMBLY END WALL ELEVATION SCALE: 1 1/2"=1'-0"

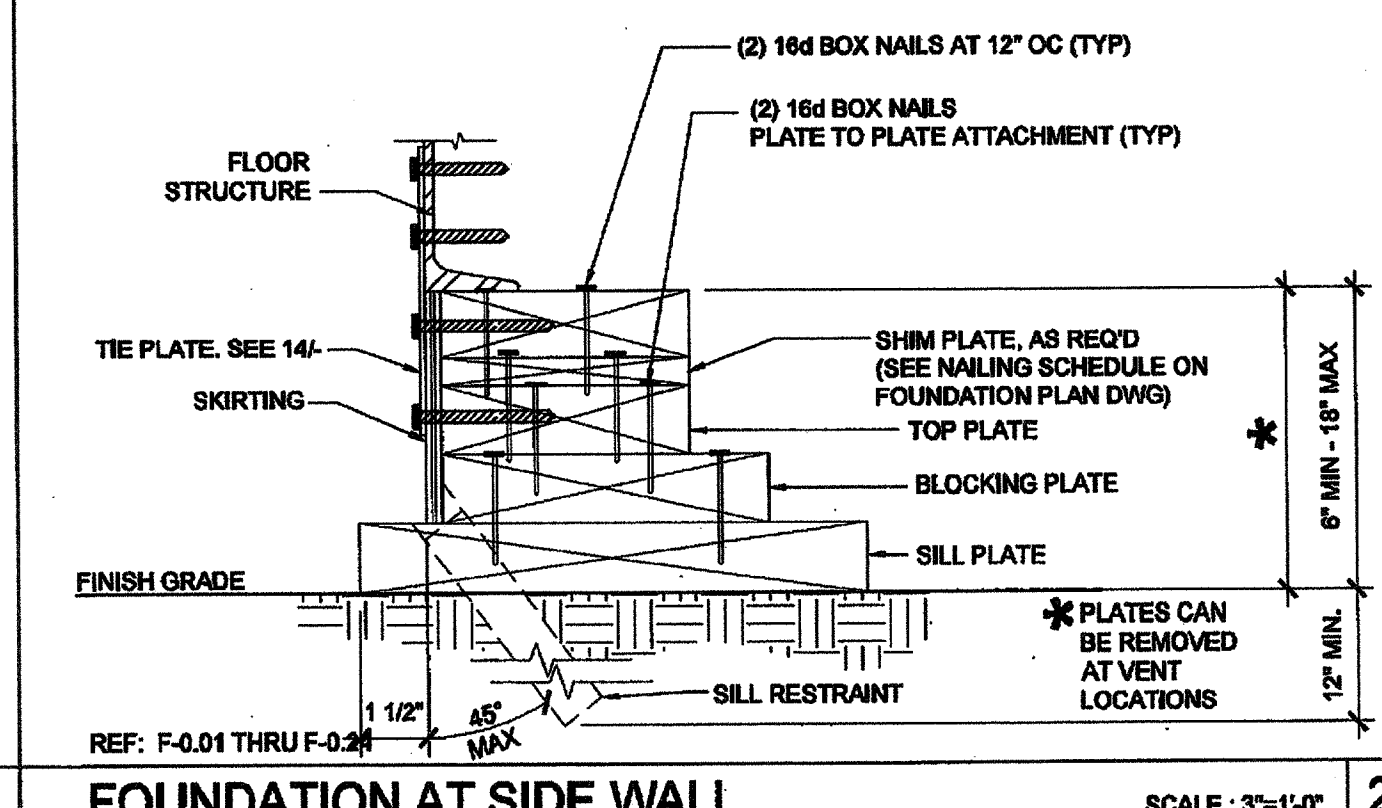


6 FOUNDATION AT END WALL SCALE: 3/4"=1'-0"

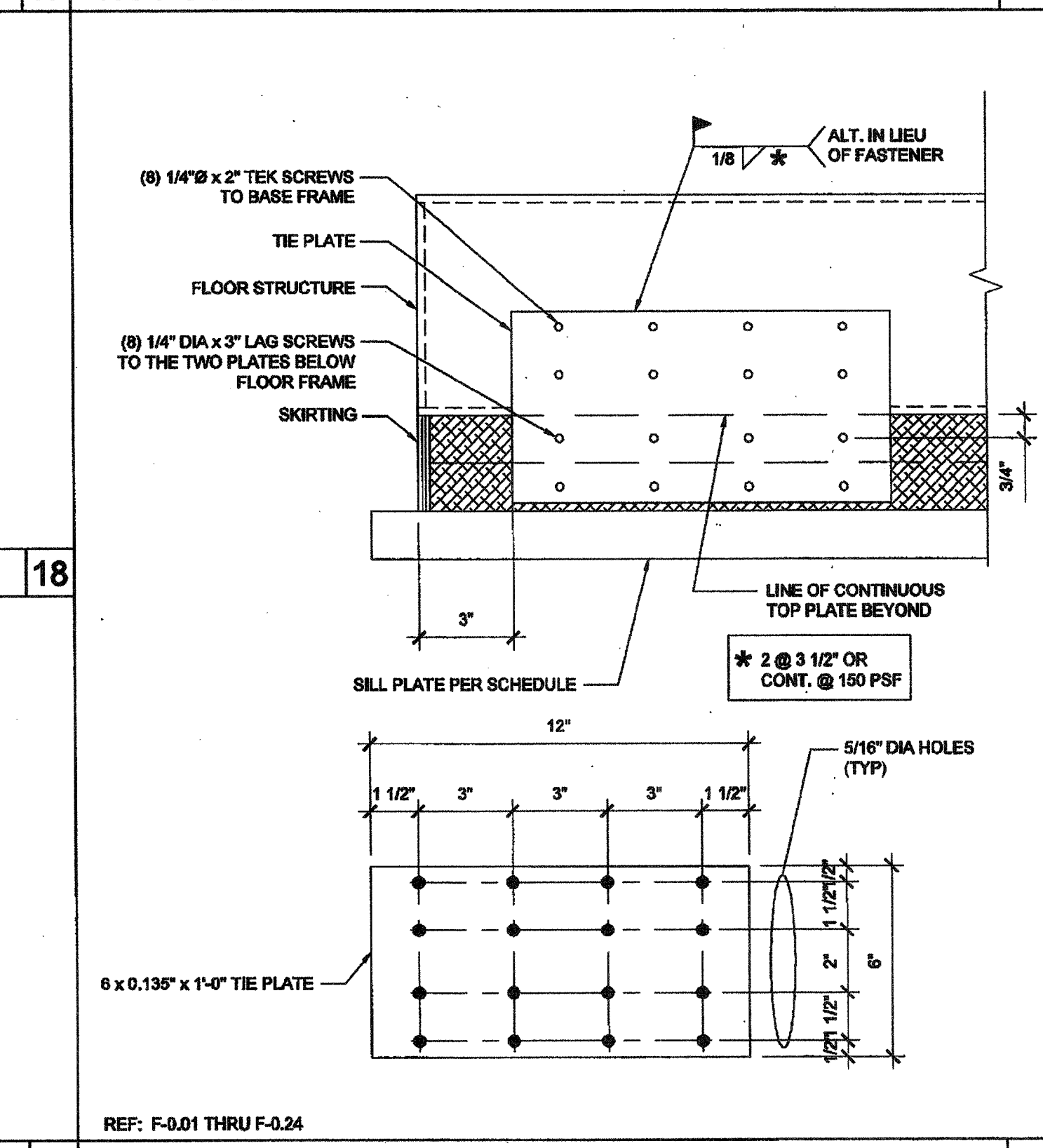


17 NOT USED

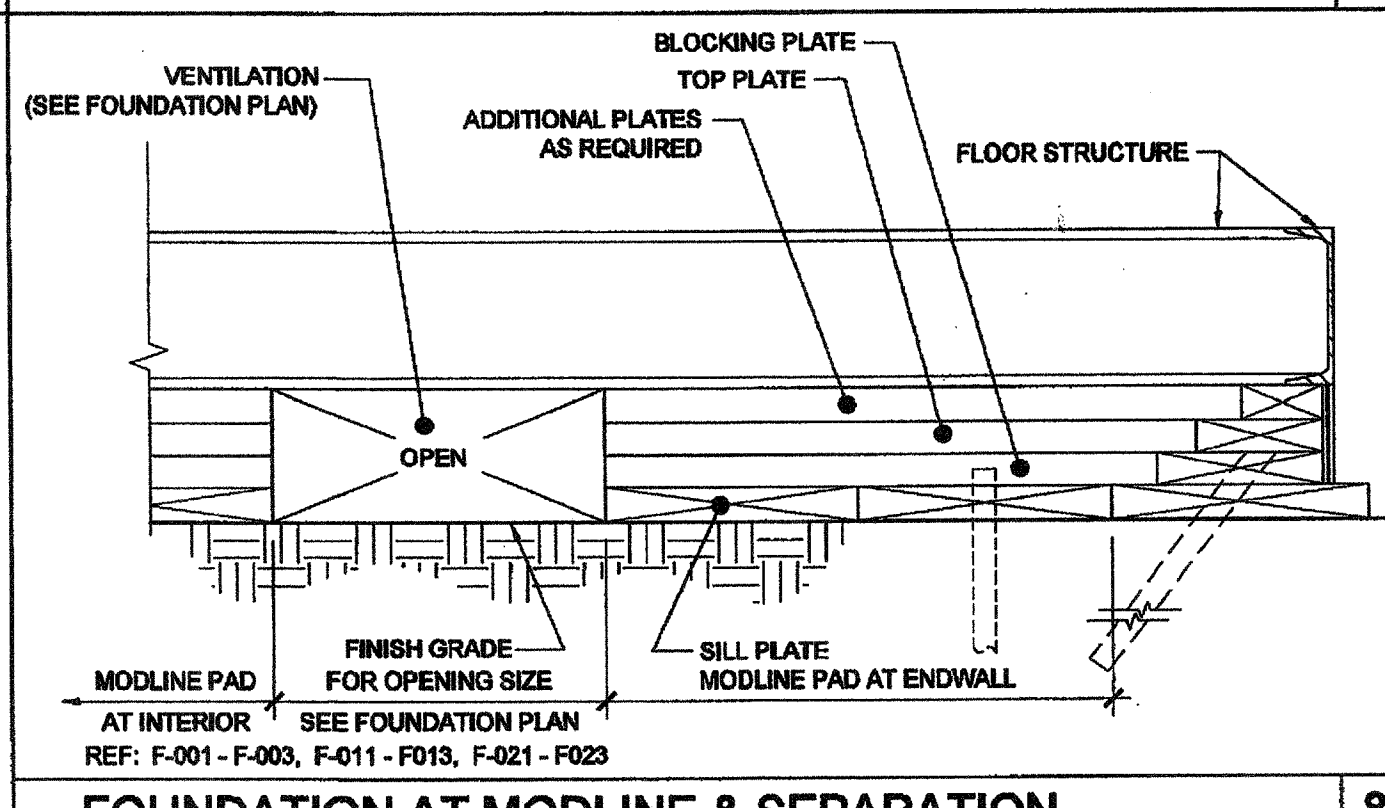
12 FOUNDATION ASSEMBLY SIDEWALL ELEVATION SCALE: 1 1/2"=1'-0"



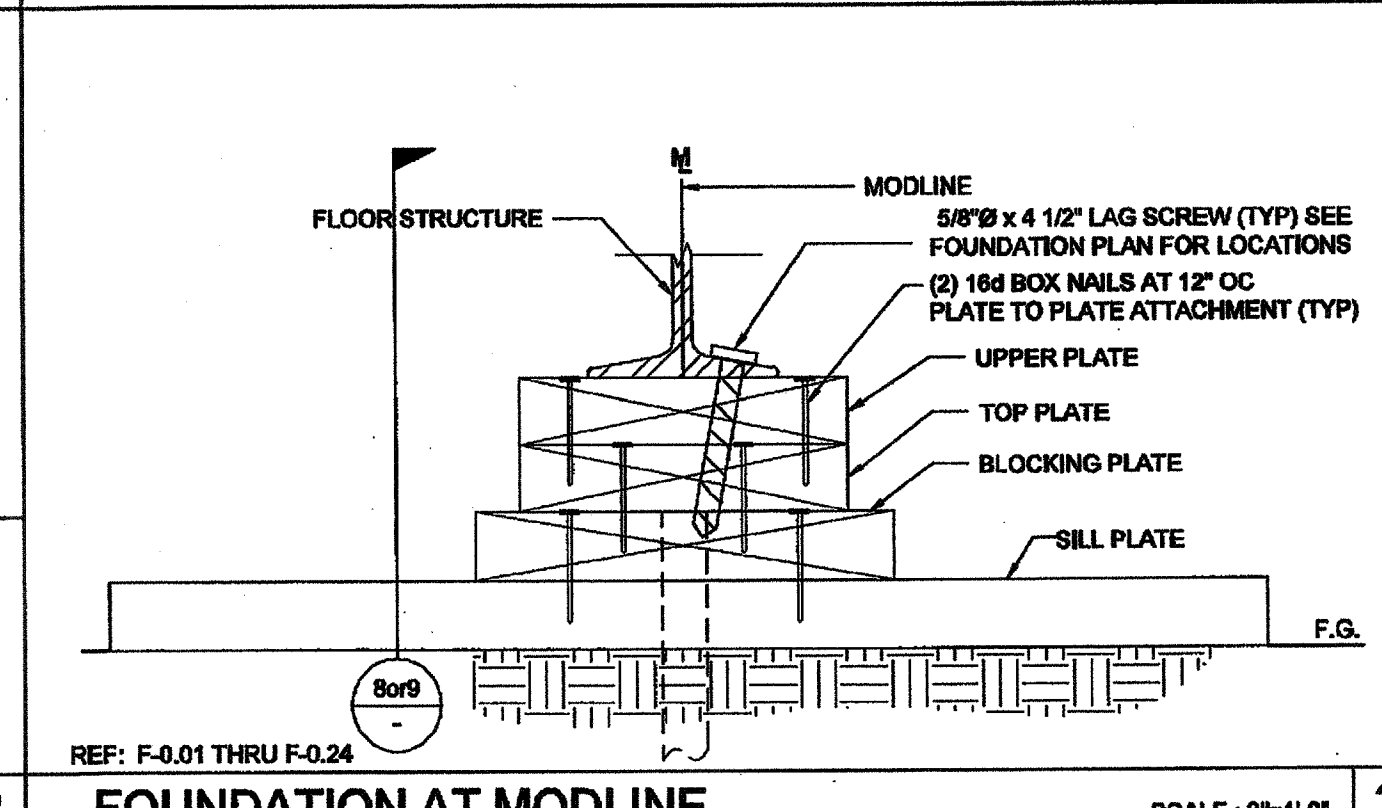
7 FOUNDATION AT SIDE WALL SCALE: 3/4"=1'-0"



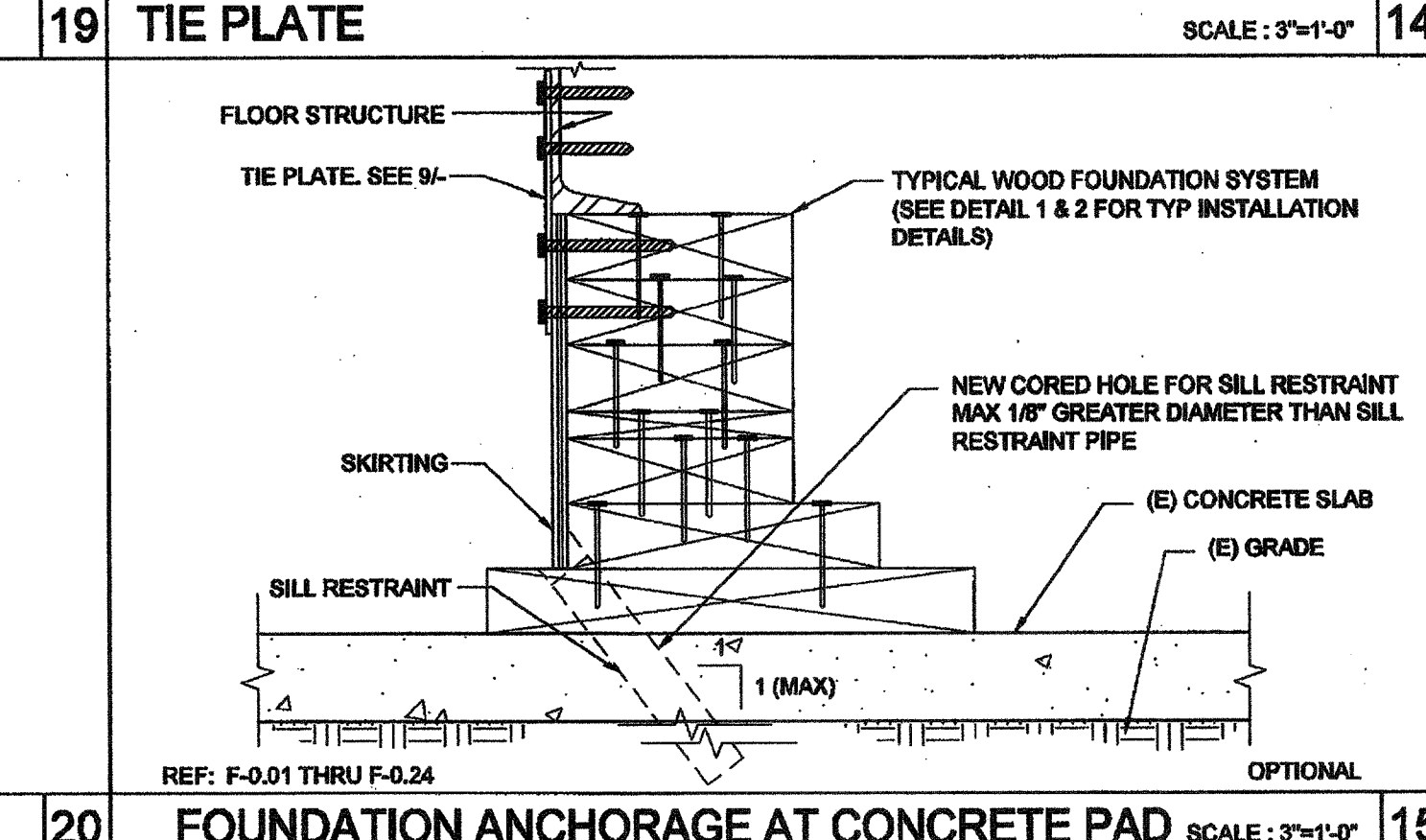
18 TIE PLATE SCALE: 3/4"=1'-0"



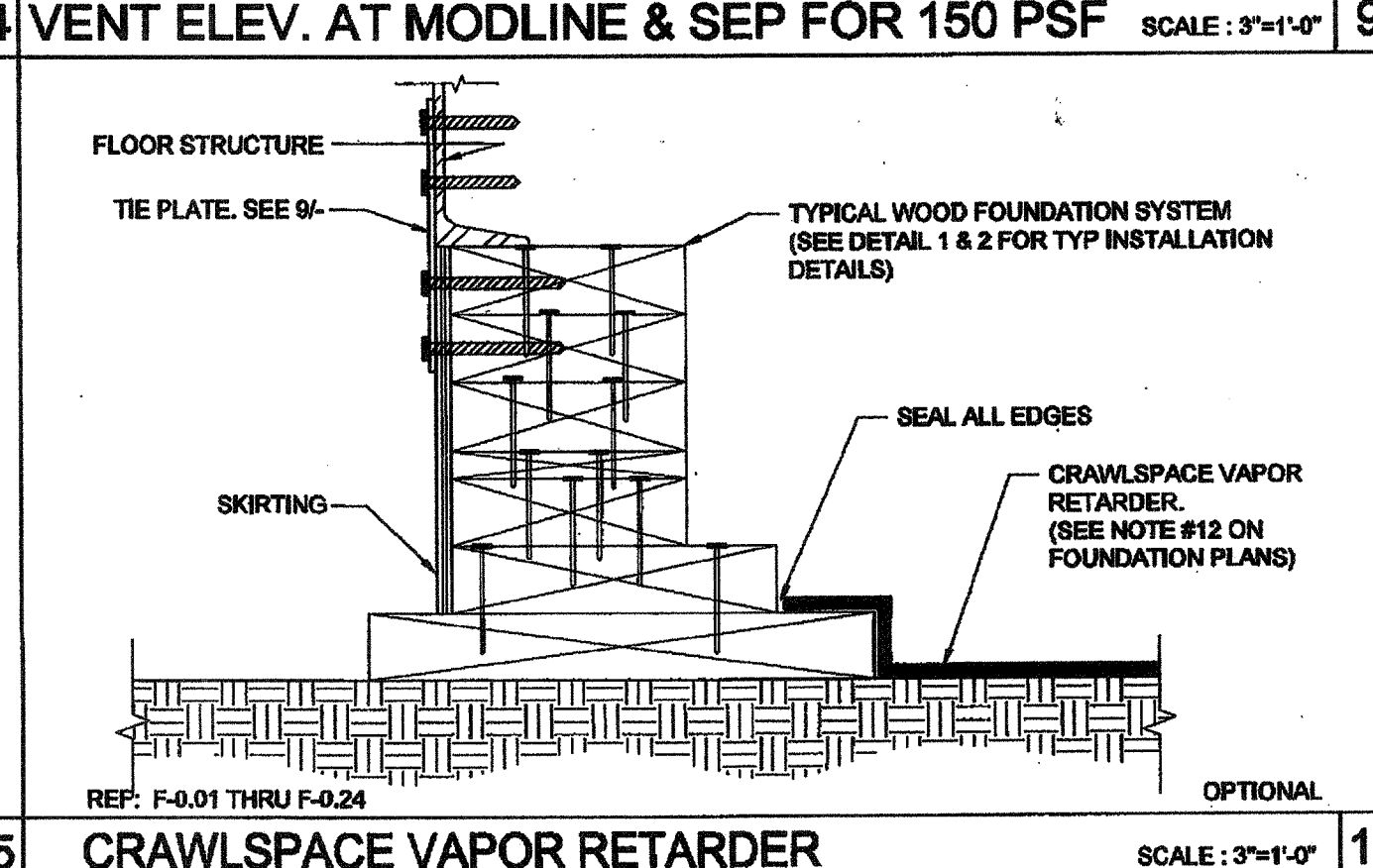
14 FOUNDATION AT MODLINE & SEPARATION SCALE: 1 1/2"=1'-0"



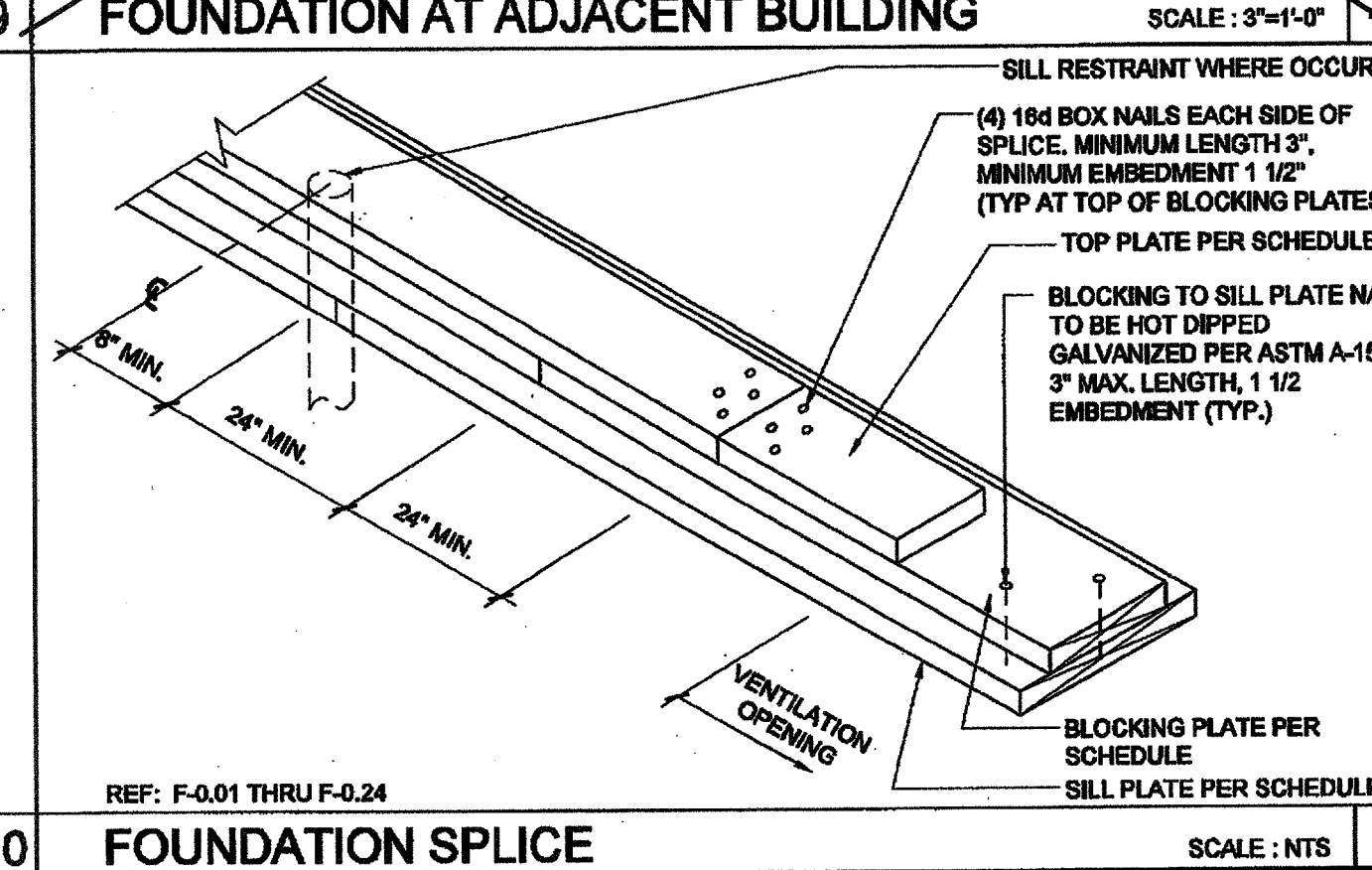
8 FOUNDATION AT MODLINE SCALE: 3/4"=1'-0"



19 FOUNDATION ANCHORAGE AT CONCRETE PAD SCALE: 3/4"=1'-0"



15 CRAWLSPACE VAPOR RETARDER SCALE: 3/4"=1'-0"



9 FOUNDATION AT ADJACENT BUILDING SCALE: 3/4"=1'-0"

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PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

SHEET TITLE:

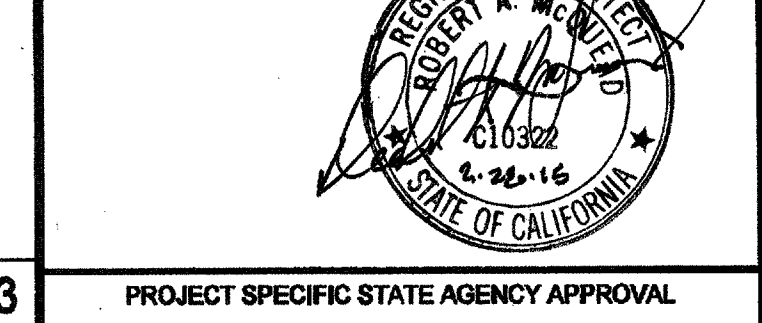
FOUNDATION DETAILS  
WOOD FOUNDATION



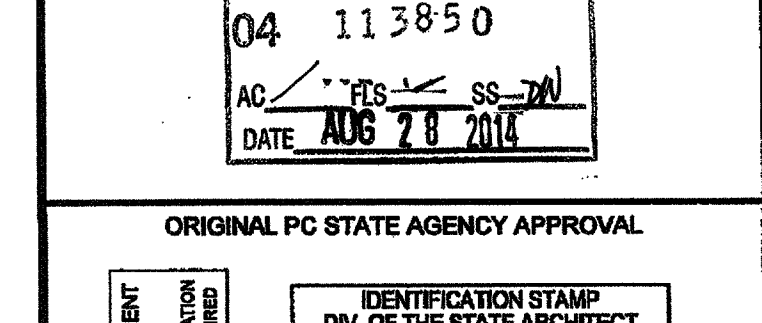
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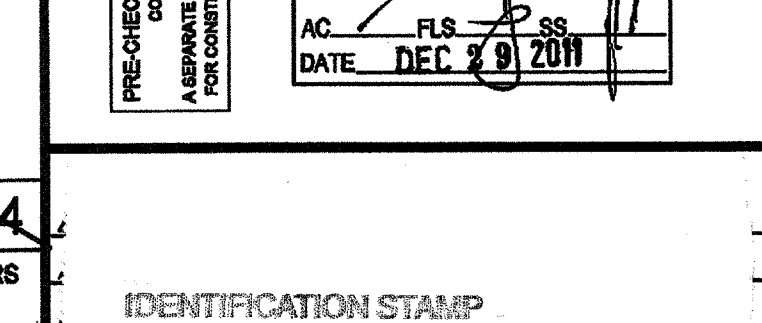
PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



PRE-CHECK AND DOCUMENT  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 6-17-11

P.C. SHEET NUMBER  
F-0.50

STKP-123

FOR REFERENCE



## STRUCTURAL SPECIFICATIONS

### FOUNDATIONS:

GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.6. EXCEPTION, GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE II OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS). ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2

### CONCRETE

PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.

THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK, METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.

THE DESIGN OF CONCRETE FOUNDATIONS WILL BE AS FOLLOWS:

- FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
- EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
  - ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 19.
  - AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-05.
  - SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.
- CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND OR INSPECTOR.
- DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:
  - CONCRETE COMPRESSIVE STRENGTH  $f'_c$ : 3500 PSI
  - WATER-CEMENT RATIO SHALL NOT EXCEED 0.50 BY WEIGHT
  - PORTLAND CEMENT TYPE I
  - NORMAL WEIGHT
- FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
- THE ARCHITECT SHALL APPROVE LOCATION OF:
  - OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
  - OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.
- VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
- ALL CEMENT SHALL BE TYPE I OR II PER ASTM C-150, (UNLESS REQUIRED OTHERWISE PER CBC 1802A.2.3 OTHERWISE PER ACI 318-08 TABLE 4.3.1)
- WATER CONTENT SHALL NOT EXCEED 7 1/4 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED OTHERWISE PER ACI 318-08 TABLE 4.3.1)
- AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING
- ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
- REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSIONED AREAS, AND ETC.
- CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

### 1704A.4.3. WAIVER OF BATCH PLAN INSPECTION.

A. WHEN BATCH PLAN INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:

- QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
- LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.
- BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.
- AT THE END OF THE PROJECT, THE WEIGHMASTER SHALL FURNISH AN AFFIDAVIT TO THE ENFORCEMENT AGENCY CERTIFYING THAT ALL CONCRETE FURNISHED CONFORMS IN EVERY PARTICULAR TO PROPORTIONS ESTABLISH BY MIX DESIGNS.

### REINFORCING STEEL:

- MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 GRADE 40. EXCEPT AS ANCHOR REINFORCEMENT SHALL BE GRADE 60.
- SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.
- REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING STEEL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".
- MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	AMOUNT
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	2"
#5 OR SMALLER	3"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

### STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
- TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B
- PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A515, TYPE E OR S, GRADE B.

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2010 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AMERICAN INSTITUTE OF STEEL CONSTRUCTION, TITLE 24, C.R. AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.

### BOLTS:

ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.

### STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED

GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE.

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT/BS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER AWS STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT GAUGE STEEL (SHEET STEEL) SHALL BE WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE WELDED WITH LOW HYDROGEN RODS PER AWS D1.4, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-708. ALL SHOP WELDS MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL AND REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL.

THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATION OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK: PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHIPMENT OF SHOP WELDING.

- FLOOR AND ROOF DECK WELDING.
- WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
- WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
- SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.

ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.

FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.

HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPING OR WIRE BRUSHING AND SHOP PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ON COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES.

### COLD-FORMED STEEL FRAMING:

STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW, SEE PLAN FOR MINIMUM YIELD.

MATERIAL THICKNESS 0.120" OR LESS: ASTM A-1011/A GRADE 33 (UNO)  
MATERIAL THICKNESS 0.135" : ASTM A-1011/A GRADE 40

DESIGNATION THICKNESS (INCHES)	MINIMUM DELIVERED THICKNESS (INCHES)
0.018	0.017
0.030	0.029
0.036	0.034
0.048	0.046
0.060	0.057
0.075	0.071
0.105	0.100
0.120	0.114
0.135	0.128

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED

MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

### NOTES:

- C/JP GROOVE WELD NOT
- ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF C/JP GROOVE WELDS IN MATERIALS 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 in. (8 mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN C/JP GROOVE WELDS.

### WOOD:

FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER, PER WCLB RULES #16. PLATES AND BLOCKING - STANDARD GRADE OR BETTER STUDS AND HEADER - DF #2 OR BETTER

### SHEATHING:

AMERICAN PLYWOOD ASSOCIATION PS 1-95. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-95.

- PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
- OPTIONAL PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
- EXTERIOR WALL SIDING:
  - STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL.
  - OPTIONAL: 5/8" MDO
  - OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
- EXTERIOR WALL SIDING ATTACHMENT: FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1

### TREATED WOOD:

ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED WITHIN 8" OF GROUND LEVEL SHALL BE "PRESSURE TREATED" BY AND "APPROVED PROCESS" OR SHALL BE "FOUNDATION GRADE" MATERIAL (CBC SECTION 2304.11.2.2).

- ALL ROUGH LUMBER SHALL BE OF #2 OR BETTER.
- FASTEN WOOD BESIDES USING SCREWS.
- ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

### CONTINUOUS INSPECTION:

INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.

IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

### METALS, STRUCTURAL, AND MISC. STEEL:

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.

MATERIALS: ALL STRUCTURAL STEEL TESTING SHALL COMPLY WITH TITLE 24, SECTION 2212A.1.

STEEL SHAPES: ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36, OPEN HEARTH OR ELECTRIC FURNACE ONLY.

STEEL TUBES: ALL STRUCTURAL TUBES SHALL CONFORM TO REQUIREMENTS OF ASTM A-500 GRADE B (B=48K3) OR ASTM A53, TYPICAL.

STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O.N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.

ERECTION: ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

### SHOP PAINT:

- \* EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
- \* NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
- \* ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

### POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:

ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

### WOOD ROUGH CARPENTRY:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE, SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

### DESCRIPTION OF WORK:

THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

### ROOF FRAMING:

PLYWOOD SHEATHING APA, PS-95 RATED SHEATHING, CD EXPOSURE 1 P.J.I. = 48/24 (5 PLY) T&G EDGES

### WORKMANSHIP:

ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

### ROOF DIAPHRAGM:

3/4" T&G OSB OR APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1 SPAN RATING 48/24 MIN. FASTEN TO SHEET METAL SUPPORTS W/ #10 x 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEK'S SCREWS OR 0.145 PACFAST PREFERRED FASTENERS (ICC ESR-2961) ISSUED SEPTEMBER 1 2010 AT 4" OC AT BOUNDARIES, 6" OC AT EDGES, AND 12" OC FIELD NAILS: MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2. IF NOTE: 0.145 PNEUMATIC FASTENER OPTION IS NOT ALLOWED ON PARAPET APPLICATIONS (PARAPET HEIGHT) HIGHER THAN 24" OR AT STRUCTURAL STEEL JOISTS.

### FLOOR DIAPHRAGM:

1 1/8" PLYWOOD - STURD-I-FLOOR EXTERIOR - TONGUE AND GROOVE EDGES SPAN RATING: 48' FASTEN TO SHEET METAL SUPPORTS W/ #10 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEK'S SCREWS OR 0.145 PACFAST PREFERRED FASTENERS (ICC ESR-2961) ISSUED SEPTEMBER 1 2010 AT 6" OC AT BOUNDARIES, AT 6" OC AT EDGES, AND 12" OC AT INTERMEDIATE SUPPORTS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2. IF NOTE: 0.145 PNEUMATIC FASTENER OPTION IS NOT ALLOWED ON PARAPET APPLICATIONS (PARAPET HEIGHT) HIGHER THAN 24" OR AT STRUCTURAL STEEL JOISTS.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR STRENGTH: 3500 PSI OR 4000 PSI TYPE: I OR II DENSITY: 110 PCF - MAX

### DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:

2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD) USE: #10 - 24 x 2 1/2 LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C. REFERENCE STANDARDS NOTES:

INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1, CALIFORNIA BUILDING CODE, 2010 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 13TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST EDITION UNLESS OTHERWISE NOTED.

### WORKMANSHIP:

WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.

### INSPECTIONS:

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

### CHANGES:

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

### NAILING NOTES:

- ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
- MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

### CONNECTION AND FASTENERS:

ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.

### CONNECTION OF LAG SCREWS:

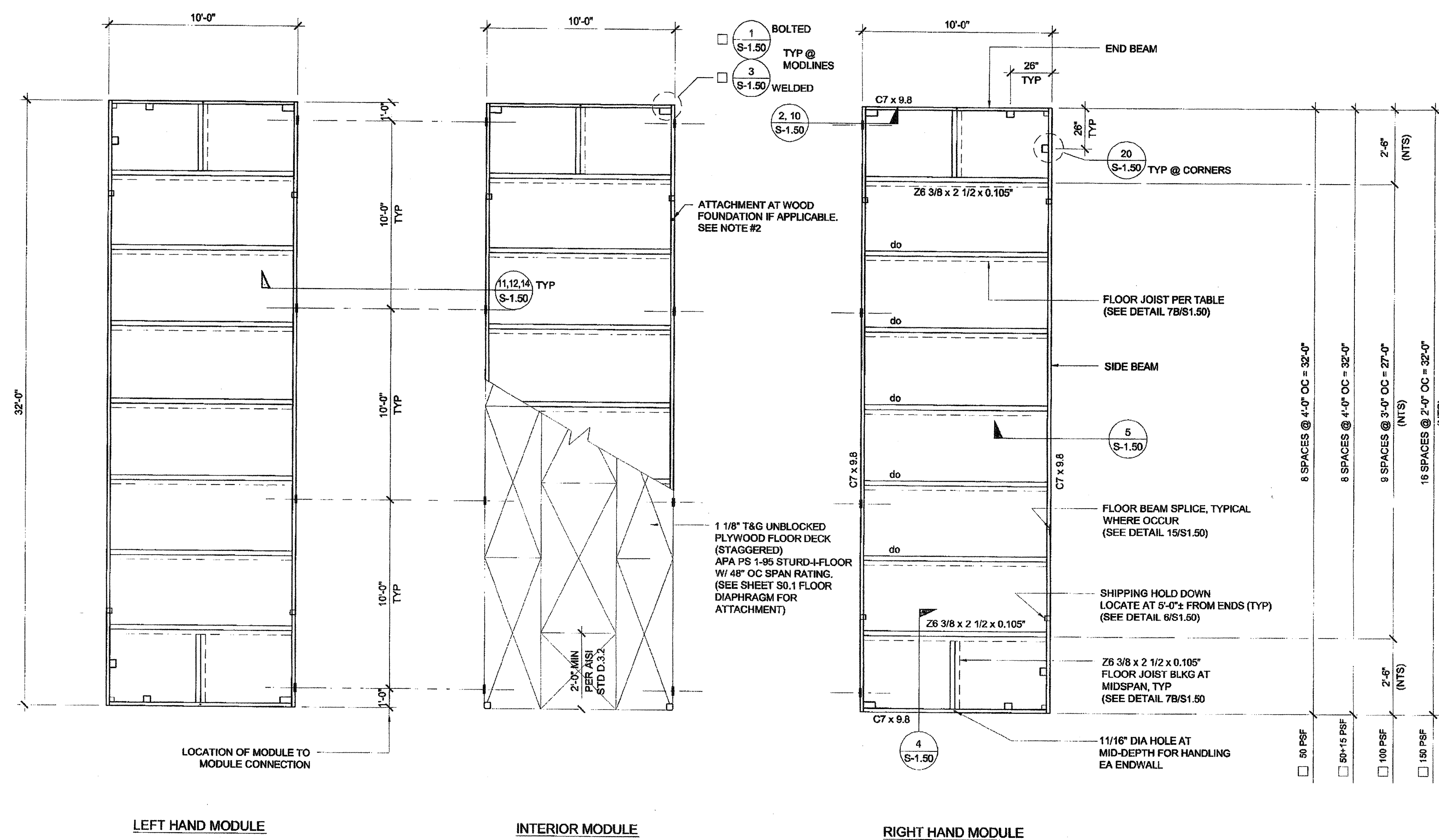
AS REQUIRED PER ANSI/AIAA NDS-2005, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

## FASTENING SCHEDULE

CBC - TABLE 2304.9.1

CONNECTION	FASTENING <sup>a,m</sup>	LOCATION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON 3 - 3" x 0.131" NAILS	TOENAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2 1/2" x .131") 2 - 3" x 0.31" NAILS	TOENAIL EACH END
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2 1/2" x .131")	FACE NAIL
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON (2 1/2" x .131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d (3 1/2" x .135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLUING AT BRACED WALL PANEL	3 - 16d (3 1/2" x .135") AT 16" O.C. 4 - 3"x0.131" NAILS AT 16" O.C.	BRACED WALL PANEL
7. TOP PLATE TO STUD	2 - 16d COMMON (3 1/2" x 0.162") 3 - 3"x0.031" NAILS	END NAIL
8. STUD TO SOLE PLATE	4 - 8d COMMON (2 1/2"x0.131") 4 - 3"x0.131" NAILS	TOENAIL
9. DOUBLE STUDS	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	END NAIL
10. DOUBLE TOP PLATES	16d (3 1/2"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8 - 16d COMMON (3 1/2"x0.162") 12 - 3"x0.131" NAILS	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS	TOENAIL
12. RIM JOIST TO TOP PLATE	8d (2 1/2"x0.131") AT 6" O.C. 3"x0.131" NAIL AT 6" O.C.	TOENAIL
13. TOP PLATES, LAPS, AND INTERSECTIONS	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3 1/2"x0.162")	16" OC ALONG EDGE
15. CEILING JOISTS TO PLATE	3 - 8d COMMON (2 1/2"x0.131") 5 - 3"x0.131" NAILS	TOENAIL
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2 1/2"x0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1)	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS	FACE NAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2 1/2"x0.131") 2 - 3"x0.131" NAILS	FACE NAIL
21. 1" x 6" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
22. WIDER THAN 1" x 6" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON (3 1/2"x0.162") 3"x0.131" NAILS	24" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4"x0.192") 32" O.C. 3"x0.131" NAIL AT 24" O.C. 2 - 20d COMMON (4" x0.192") 3 - 3"x0.131" NAILS	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3 1/2"x0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	FACE NAIL
27. JACK RAFTER TO HIP	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	TOE NAIL
28. ROOF RAFTERS TO 2-BY RIDGE BEAM	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS 2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL TOE NAIL FACE NAIL
29. JOIST TO BAND JOIST	3 - 16d COMMON (3 1/2"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL
30. LEDGER STRIP	3 - 16d COMMON (3 1/2"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL AT EACH JOIST
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD <sup>b</sup> SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS 6d <sup>c,j</sup> 2 1/2" x .113" NAIL 1 1/2" x .113" NAIL 19/32" TO 3/4" 8d <sup>c</sup> or 8d <sup>e</sup> 2 1/2" x .113" NAIL 2 - 16d GAGE <sup>d</sup> 7/8" TO 1" 8d <sup>c</sup> 1 1/8" TO 1 1/4" 10d <sup>c</sup> or 8d <sup>e</sup>	FACE NAIL
SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	3/4" AND LESS 6d <sup>c</sup> 7/8" TO 1" 8d <sup>c</sup> 1 1/8" TO 1 1/4" 10d <sup>c</sup> OR 8d <sup>e</sup>	FACE NAIL
32. PANEL SIDING (TO FRAMING)	1/2" AND LESS 6d <sup>c</sup> 5/8" 8d <sup>c</sup>	FACE NAIL
33. FIBERBOARD SHEATHING <sup>d</sup>	1/2" NO. 11 GA ROOFING NAIL <sup>h</sup> 6d COMMON NAIL (2"x0.113") 25/32" NO. 11 GA ROOFING NAIL <sup>h</sup> 8d COMMON NAIL (2 1/2"x0.131")	FACE NAIL
34. INTERIOR PANELING	1/4" 4d <sup>k</sup> 3/8" 6d <sup>k</sup>	FACE NAIL





FLOOR FRAMING PLAN

SCALE: 1/4" = 1'-0" 1

# NOTES:

- FOR FLOOR BLOCKING SEE DETAILS 4.7B / S-1.50 (STD), 4.7A / S-1.50 (ALT)
- FOR BUILDINGS ON WOOD FOUNDATION SYSTEMS, PROVIDE 11/16" DIA. HOLE AT BOTTOM FLANGE OF FLOOR BEAM FOR LAG SCREW ATTACHMENT TO FOUNDATION PLATES BELOW. FOR EXACT HOLE LOCATIONS, SEE FOUNDATION PLAN.

## FLOOR JOIST TABLE

	LIVE LOAD PSF	JOIST SPACING
<input type="checkbox"/>	50	48"
<input type="checkbox"/>	50 + 15	48"
<input type="checkbox"/>	100	36"
<input type="checkbox"/>	150	24"

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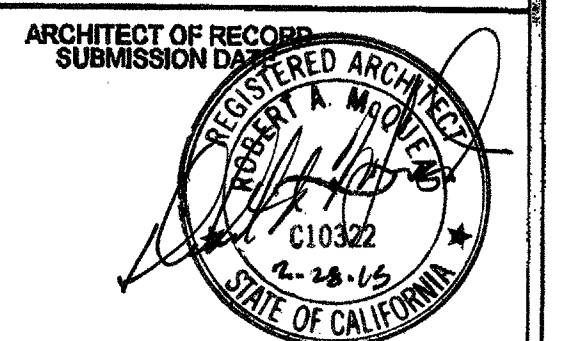
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PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

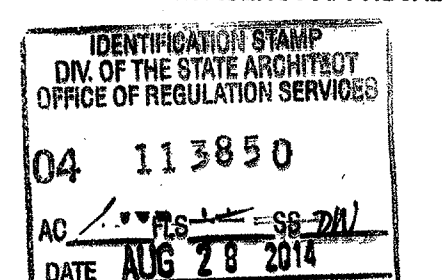
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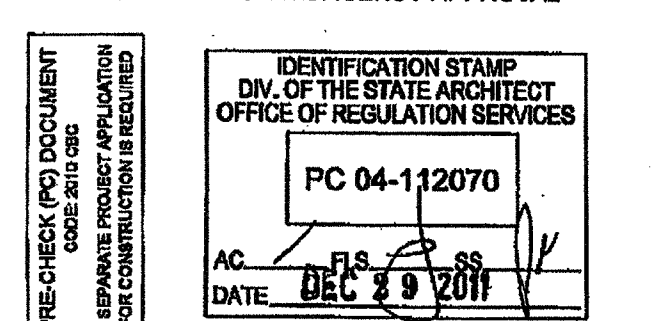
## FLOOR FRAMING PLAN WOOD FLOOR



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



## REVISIONS


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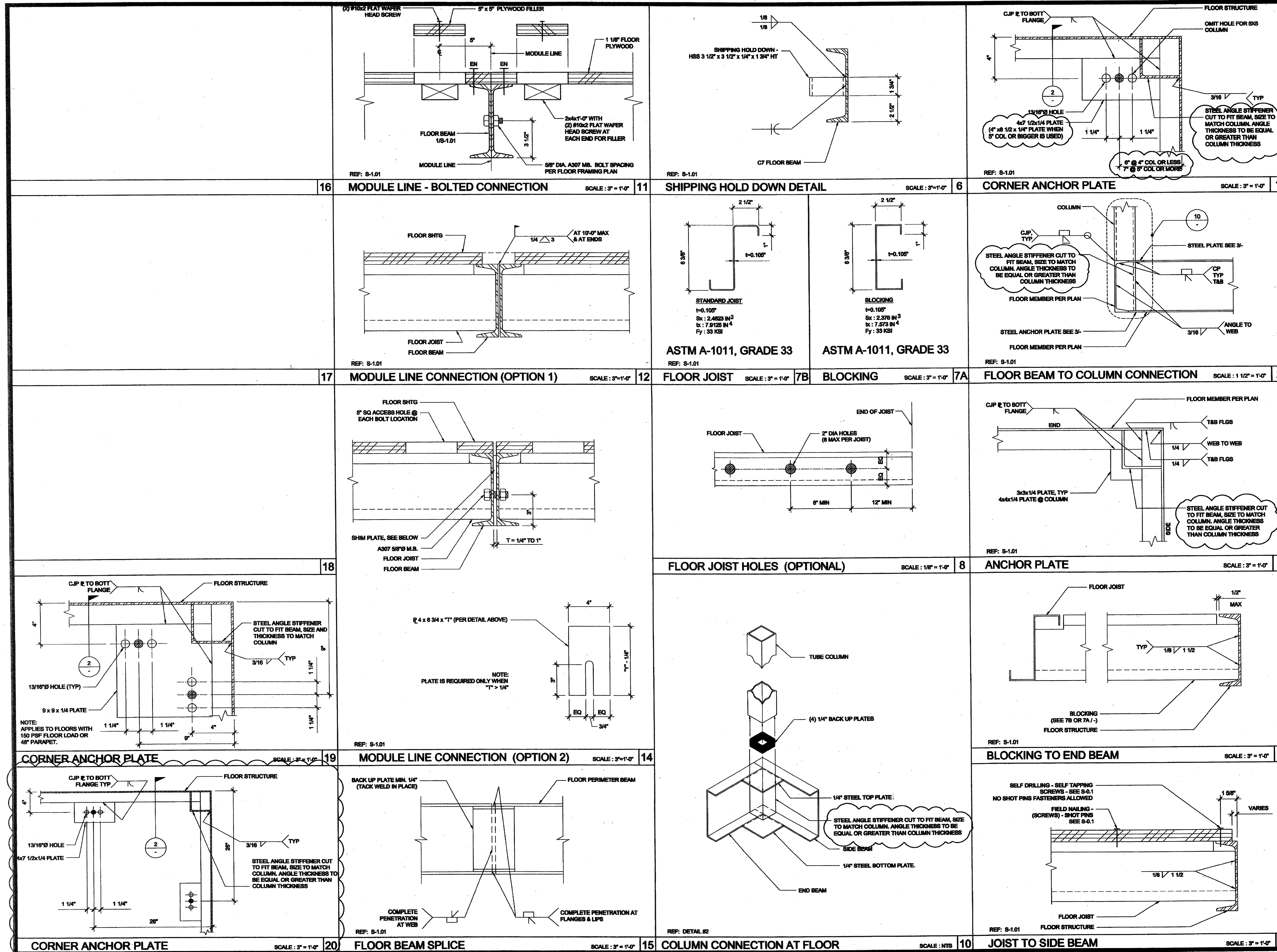
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PROJECT NAME:

**CLASS LEASING CLASSROOMS BLDG'S**

SHEET TITLE:

**FLOOR FRAMING DETAILS WOOD FLOOR**

**STAVAK**

REGISTERED ARCHITECT

SEP 14 2012

ARCHITECT OF RECORD

REGISTERED ARCHITECT

C10322

STATE OF CALIFORNIA

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OFFICE OF REGULATION SERVICES

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AC FLS SS JWL

DATE AUG 28 2014

ORIGINAL PC STATE AGENCY APPROVAL

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CODE REVIEW

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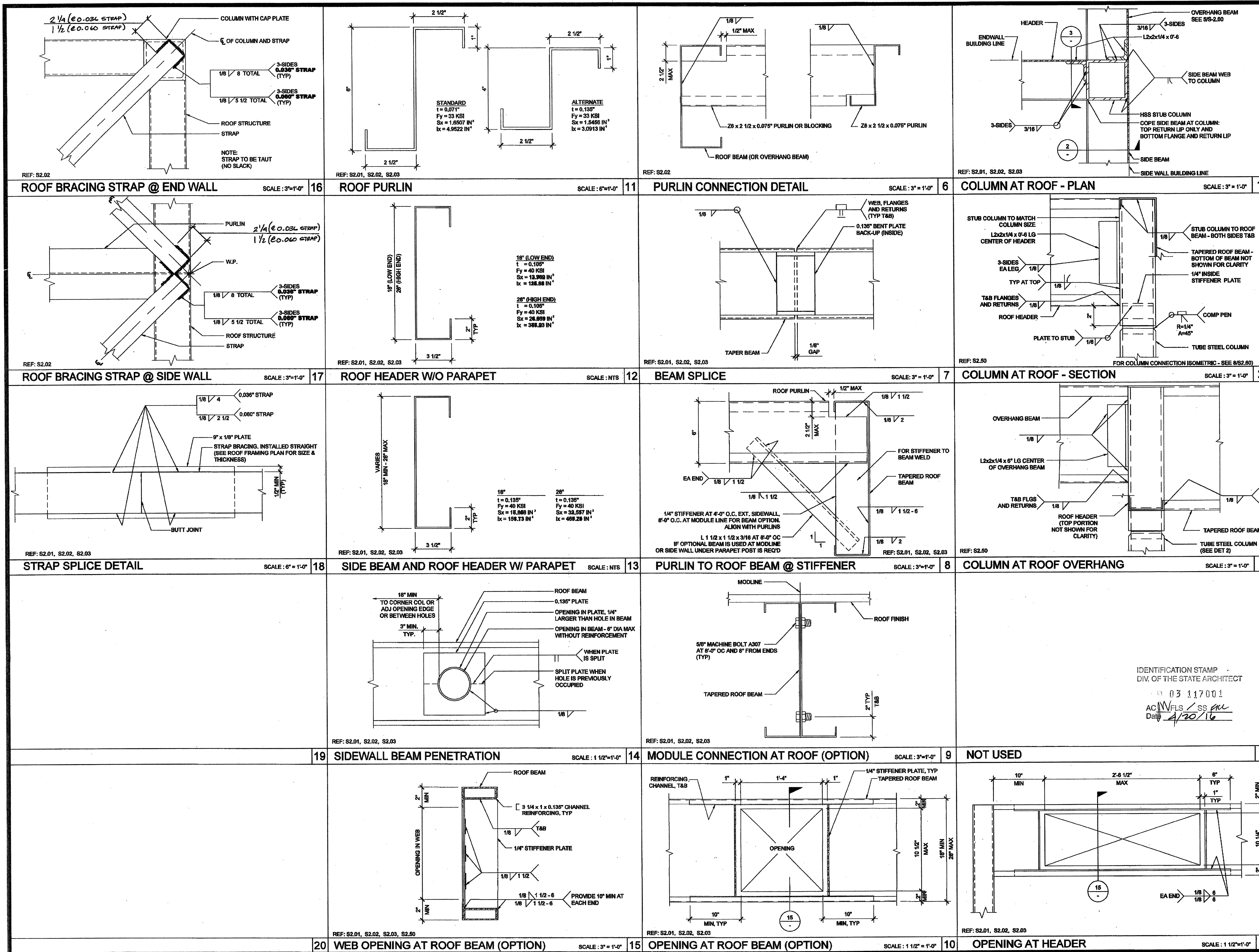
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PROJECT NAME: CLASS LEASING CLASSROOMS BLDG'S

SHEET TITLE: ROOF FRAMING DETAILS MONO SLOPE

**TAVARES ASSOCIATES**

ARCHITECT OF RECORD

12/23/2011

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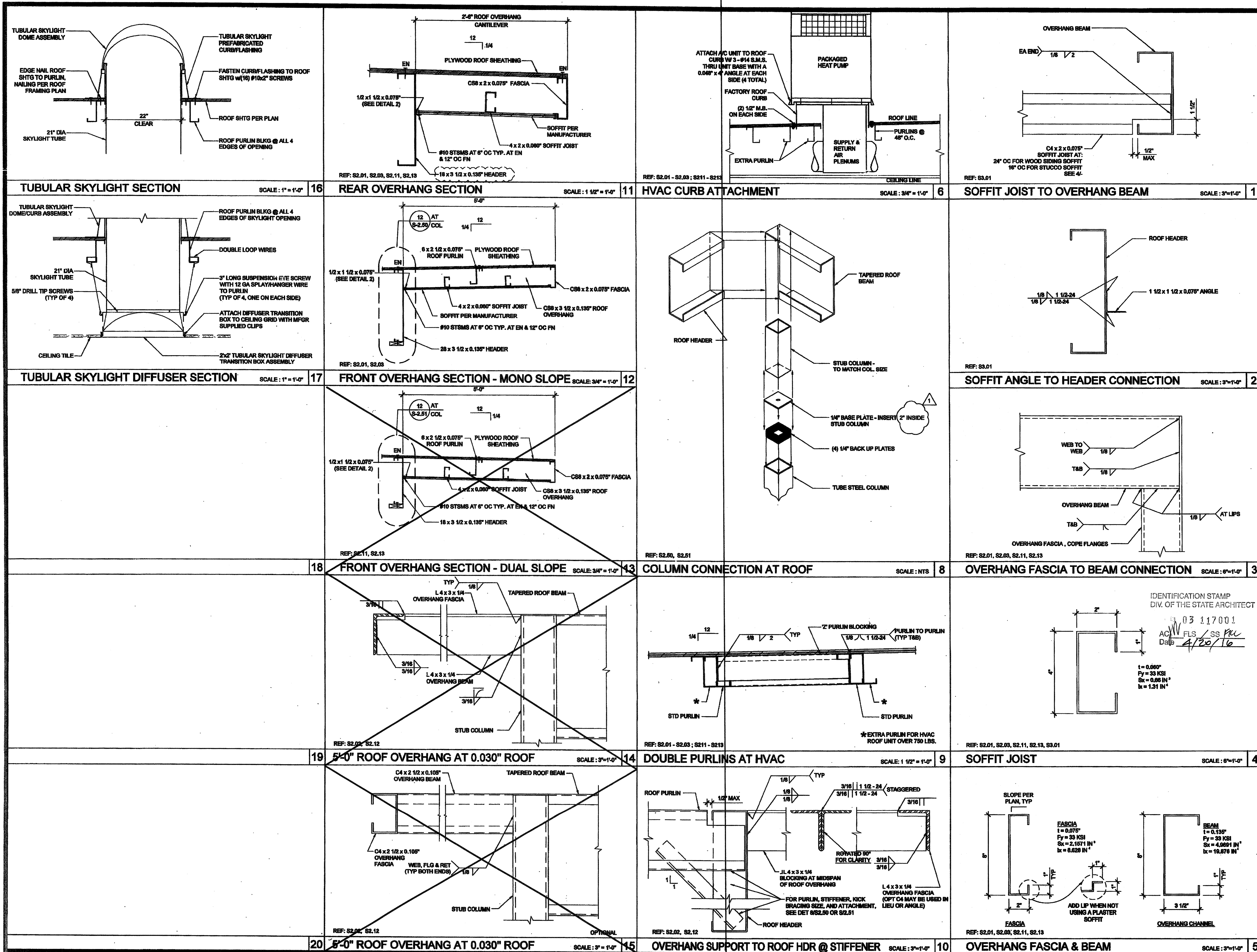
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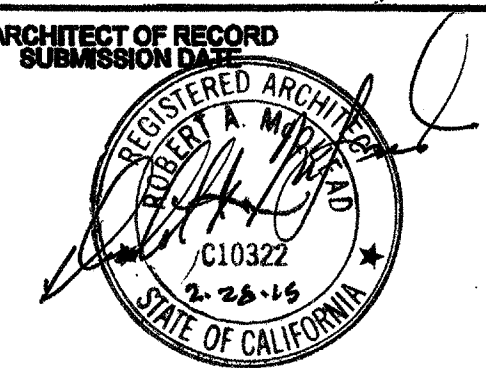
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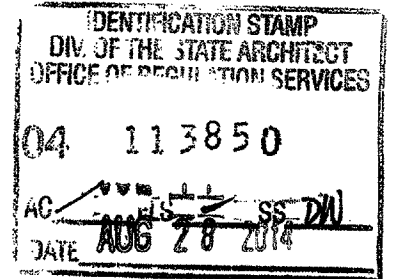
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CLASSROOMS BLDG'S

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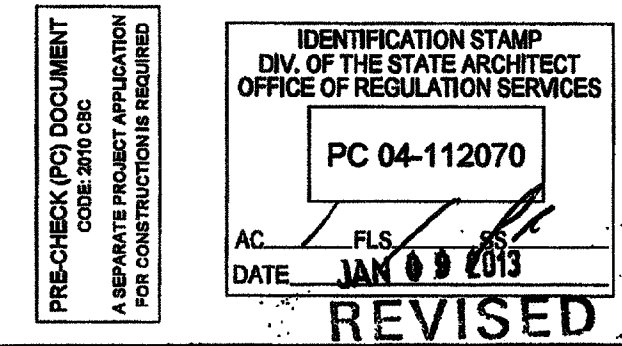
ROOF FRAMING  
DETAILS



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

PC REVISION 09/14/2012

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 6-17-11

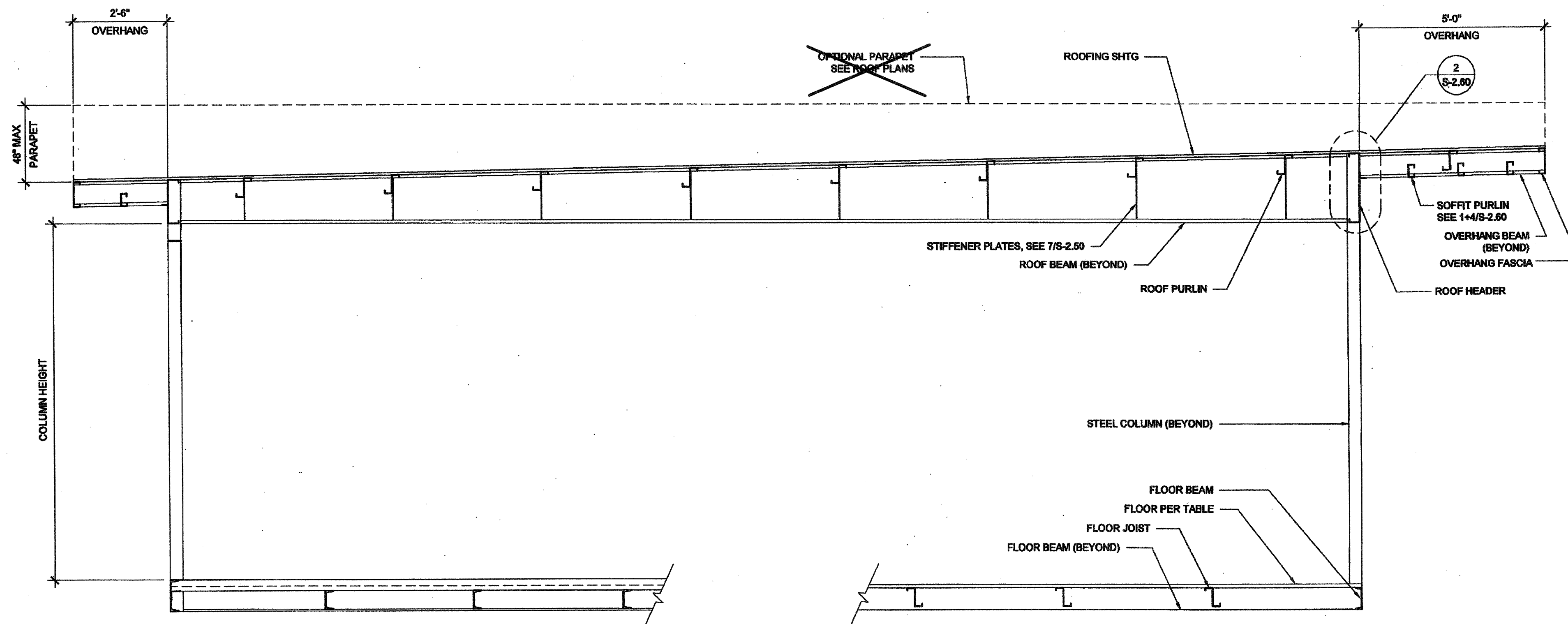
P.C. SHEET NUMBER

S-2.60



REVISIONS	
2	
1	
1	
1	
1	
1	
1	
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1	
1	
SILVER CREEK INDUSTRIES	
30" x 32" PG	
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	6-17-11
P.C. SHEET NUMBER	
S-2.90	





# NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

## FLOOR CONSTRUCTION

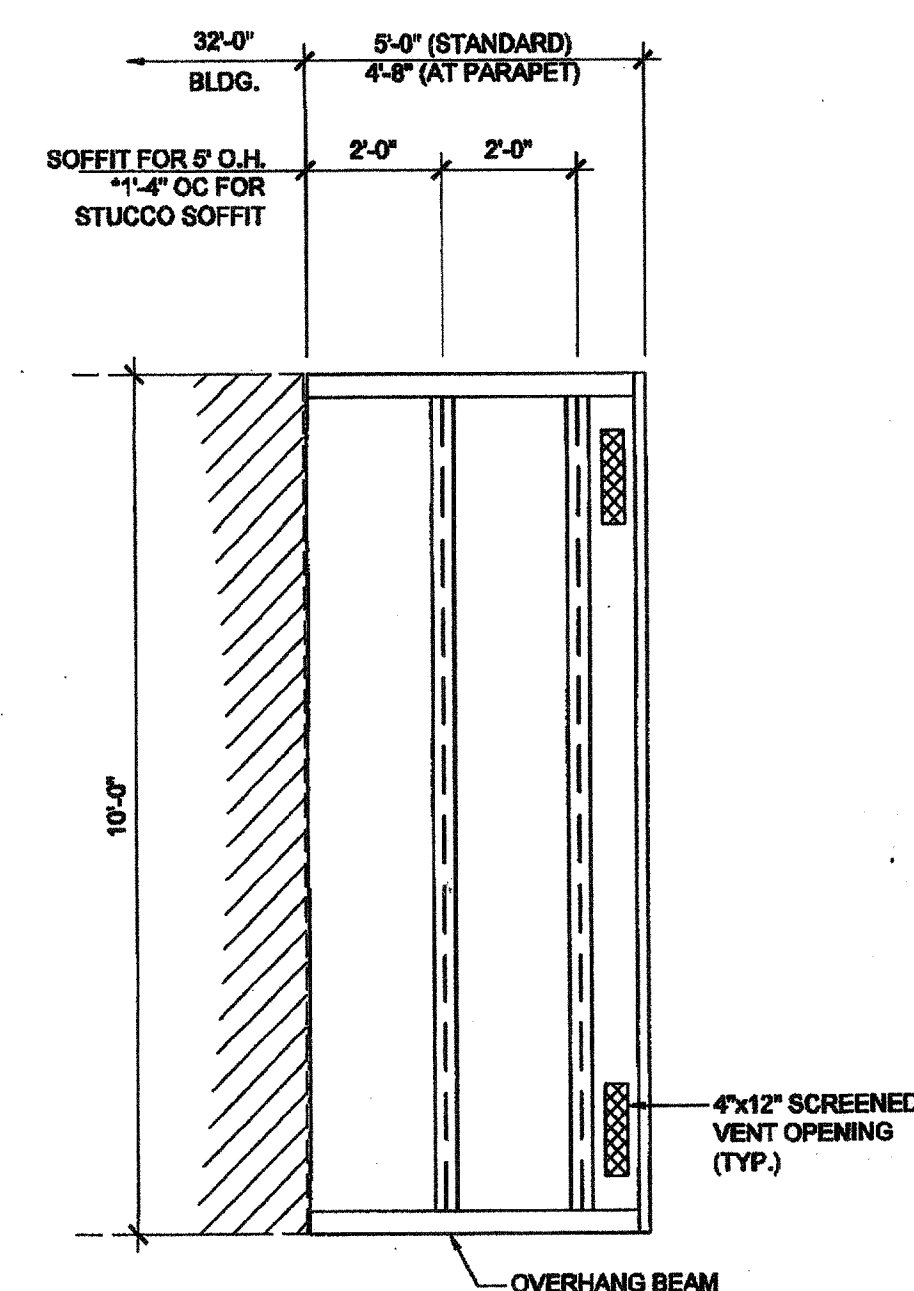
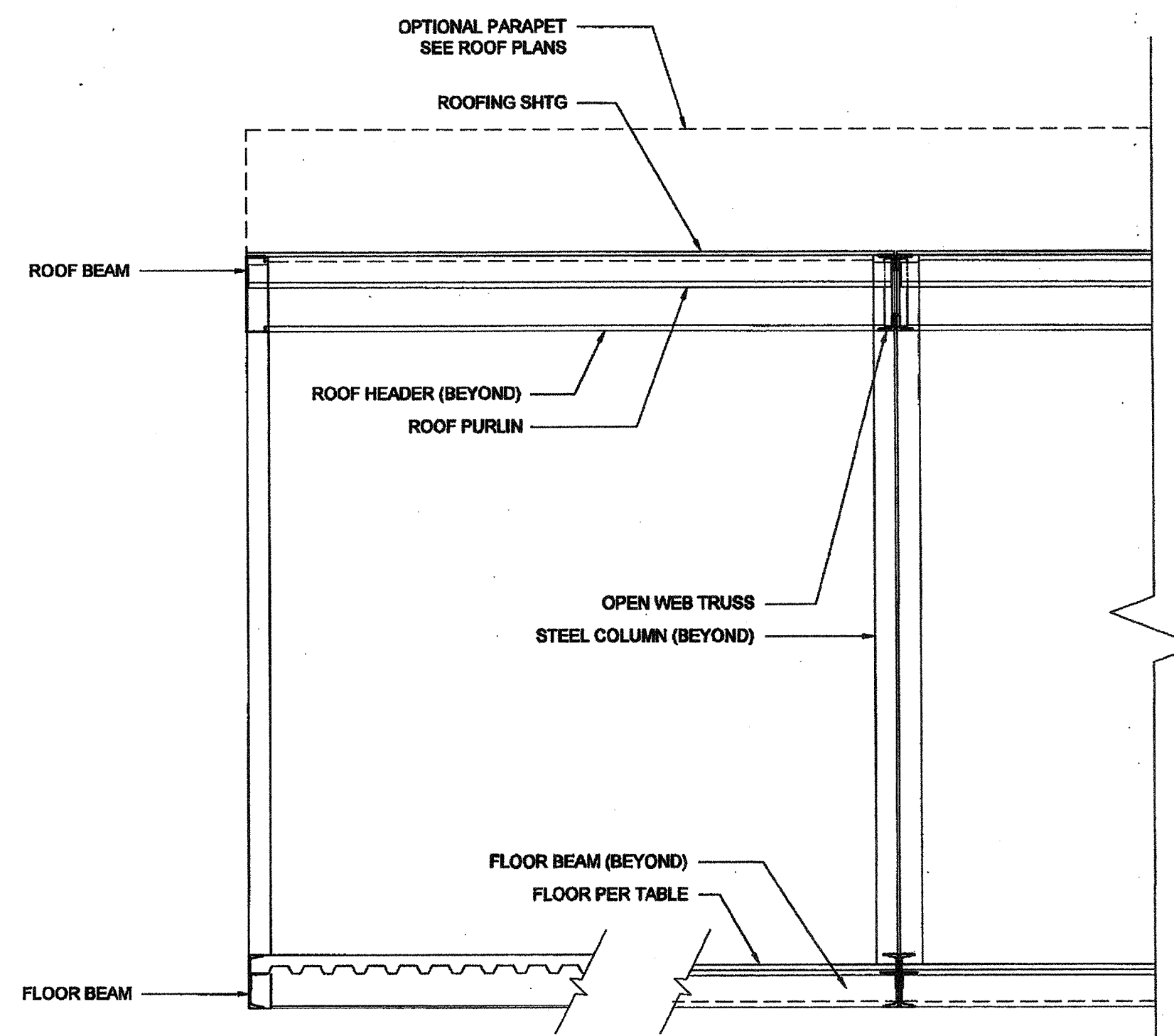
☒ WOOD FLOOR  
☐ CONCRETE FLOOR

## HSS COLUMN SCHEDULE

COL. HT.	STD. WALL W/ METAL ROOF	STD. WALL W/ BUILT UP	PLASTER WALL W/ METAL ROOF OR BUI.	UP TO 18" PARAPET	18" TO 48" PARAPET
9'-0"	<input checked="" type="checkbox"/> 3 1/2 x 3 1/2 x 3/16	<input type="checkbox"/> 3 1/2 x 3 1/2 x 1/4	<input type="checkbox"/> 3 1/2 x 3 1/2 x 1/4	<input type="checkbox"/> 3 1/2 x 3 1/2 x 1/4	<input type="checkbox"/> 4 x 4 x 3/16
9'-6"	<input type="checkbox"/> 3 1/2 x 3 1/2 x 3/16	<input type="checkbox"/> 3 1/2 x 3 1/2 x 1/4	<input type="checkbox"/> 3 1/2 x 3 1/2 x 1/4	<input type="checkbox"/> 4 x 4 x 3/16	<input type="checkbox"/> 4 x 4 x 1/4
10'-0"	<input type="checkbox"/> 3 1/2 x 3 1/2 x 3/16	<input type="checkbox"/> 4 x 4 x 3/16	<input type="checkbox"/> 4 x 4 x 3/16	<input type="checkbox"/> 4 x 4 x 3/16	<input type="checkbox"/> 4 x 4 x 1/4
10'-6"	<input type="checkbox"/> 3 1/2 x 3 1/2 x 1/4	<input type="checkbox"/> 4 x 4 x 1/4	<input type="checkbox"/> 4 x 4 x 1/4	<input type="checkbox"/> 4 x 4 x 1/4	<input type="checkbox"/> 4 x 4 x 5/16

## BUILDING SECTION

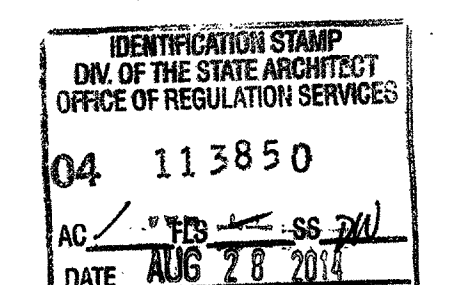
SCALE: 1/2" = 1'-0" 1



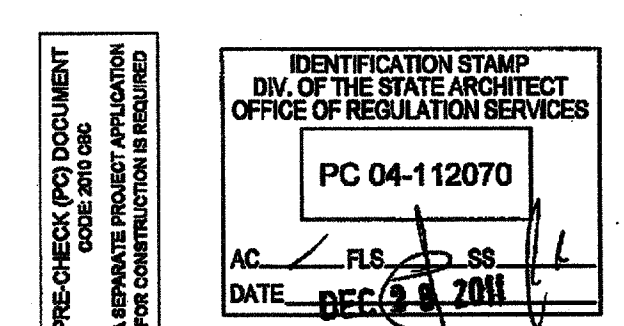
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

03 117001  
AC: FLS / SS FLL  
Date: 4/20/16

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS


SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 8-17-11  
P.C. SHEET NUMBER

S-3.01

## BUILDING SECTION

SCALE: 1/2" = 1'-0" 3

## ENCL. SOFFIT PLAN-OPT.

SCALE: 1/4" = 1'-0" 2

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SILVER CREEK INDUSTRIES, INC.



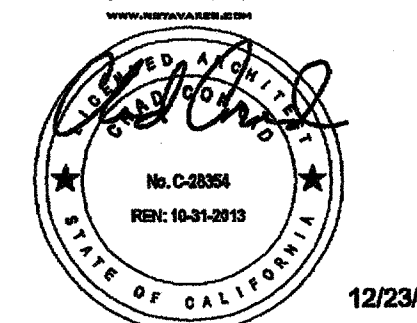
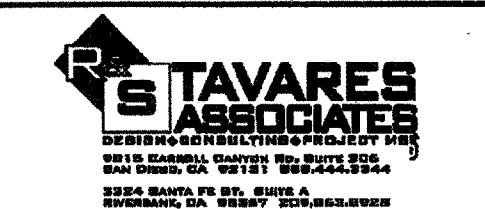
195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

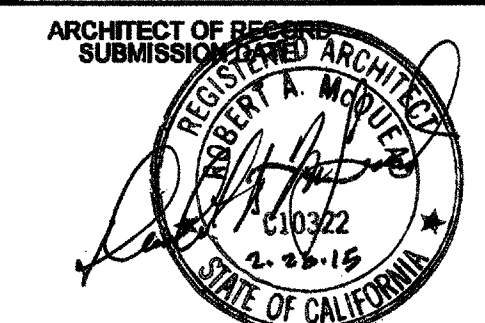
CLASS LEASING  
CLASSROOMS BLDG'S

SHEET TITLE:

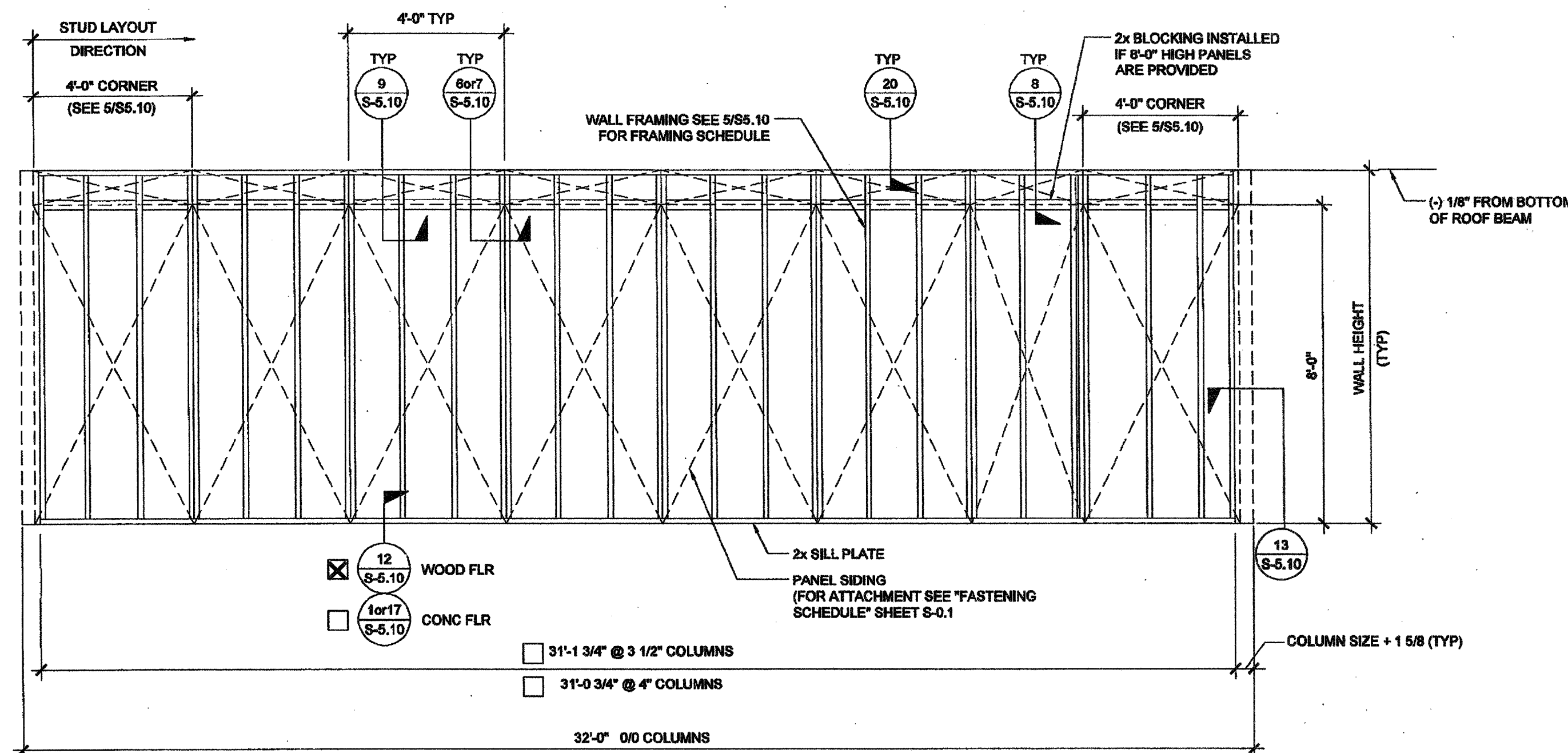
BUILDING SECTIONS  
MONO SLOPE



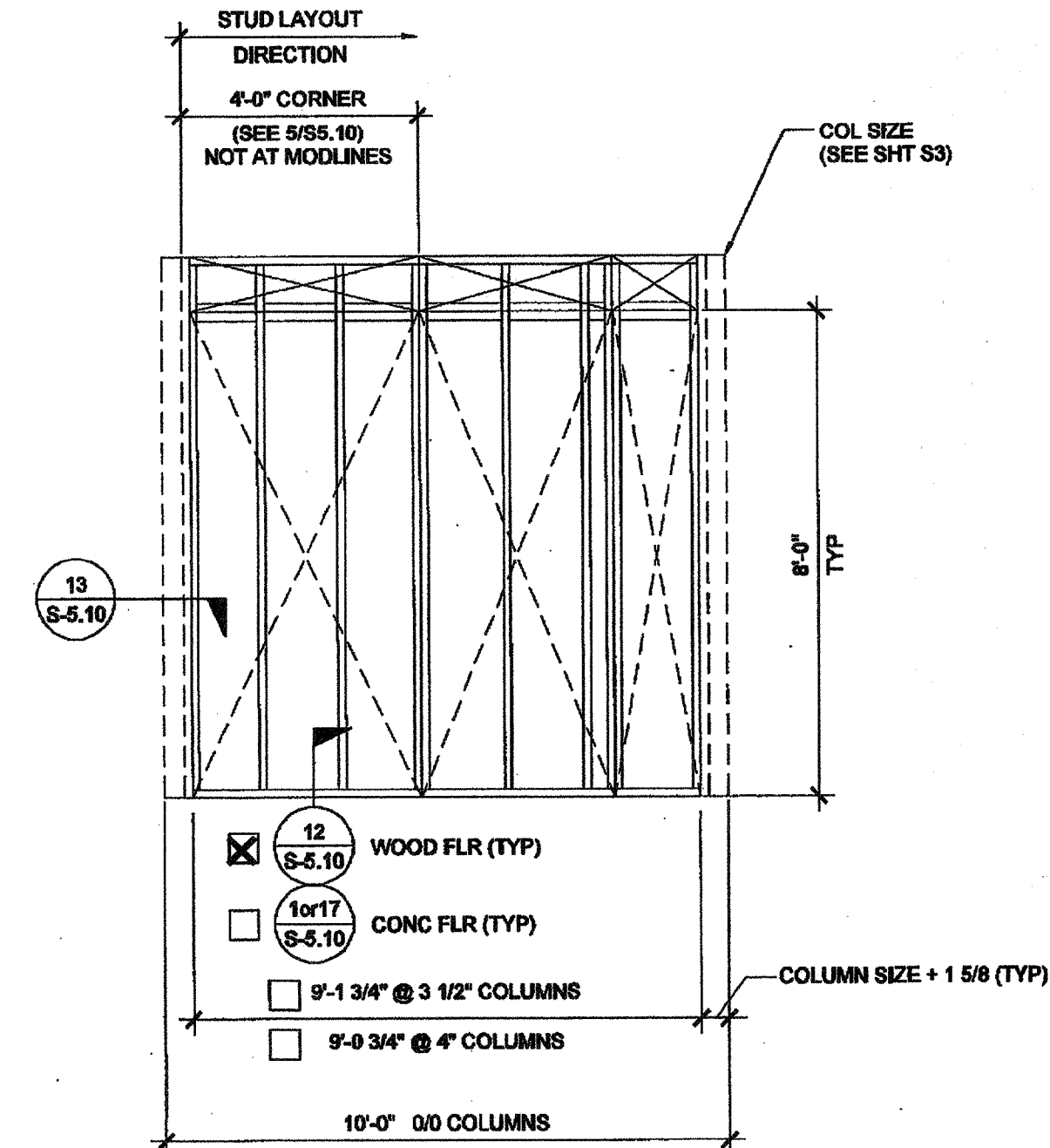
12/23/2011



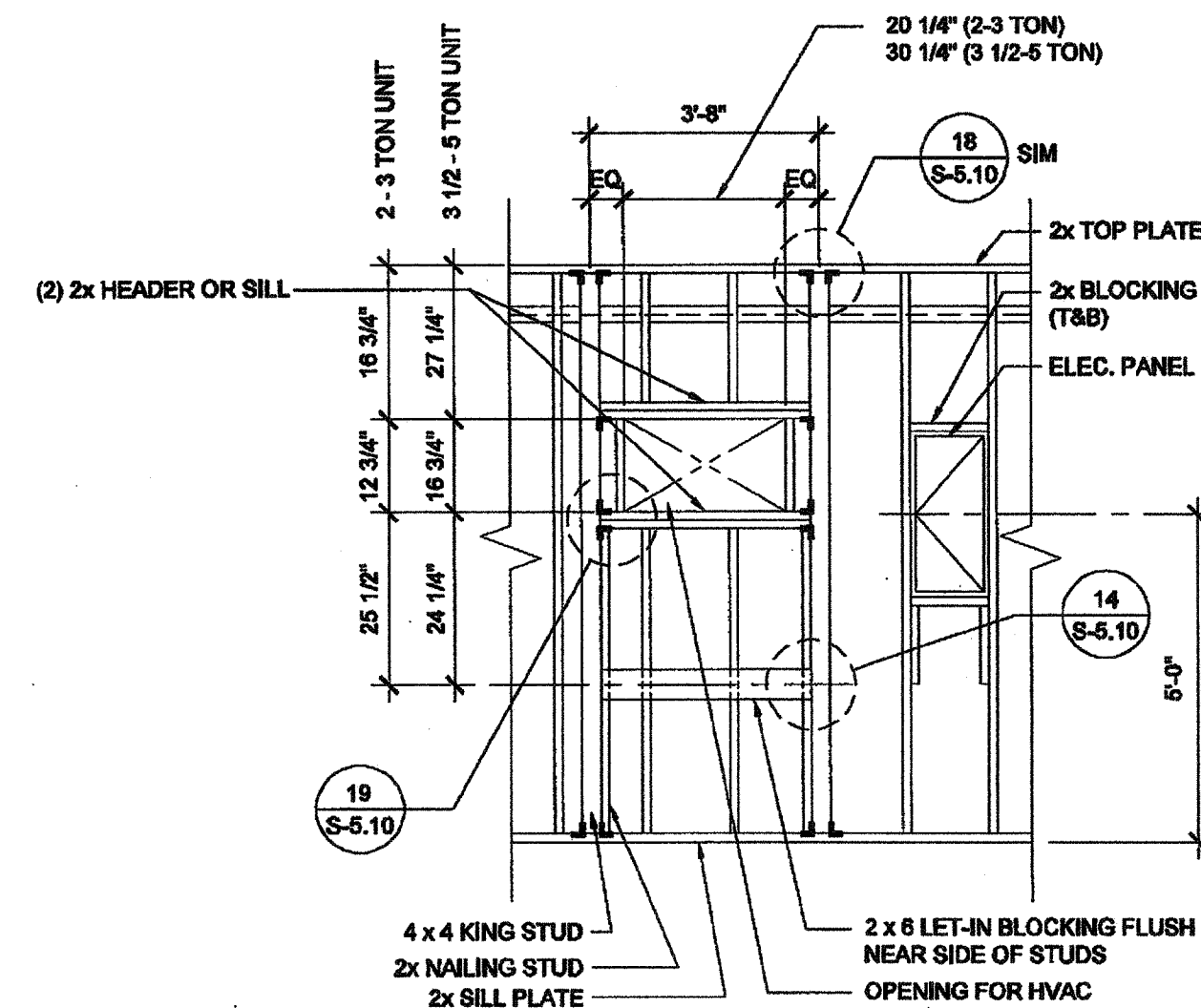




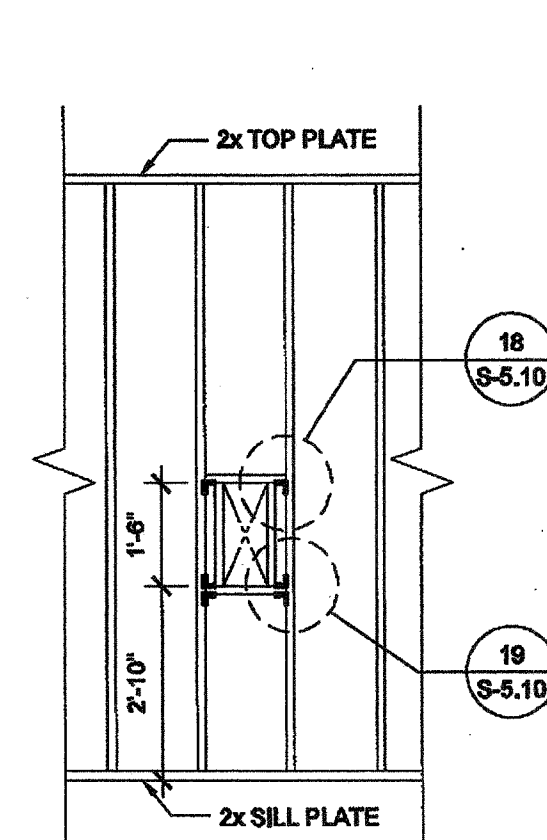
TYPICAL SIDE WALL



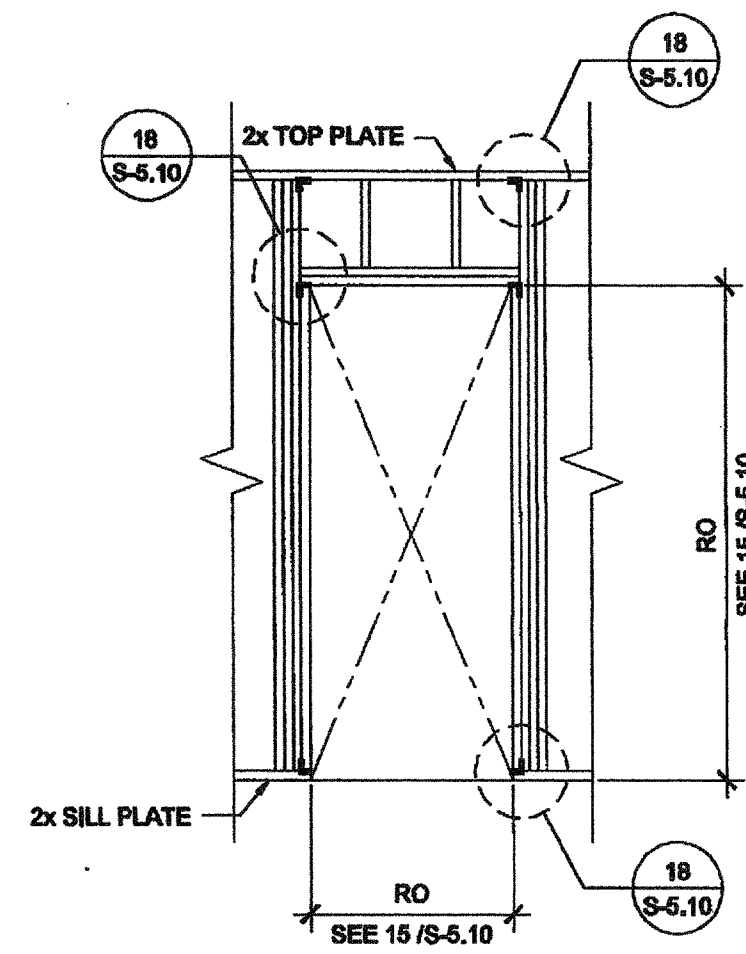
TYPICAL END WALL



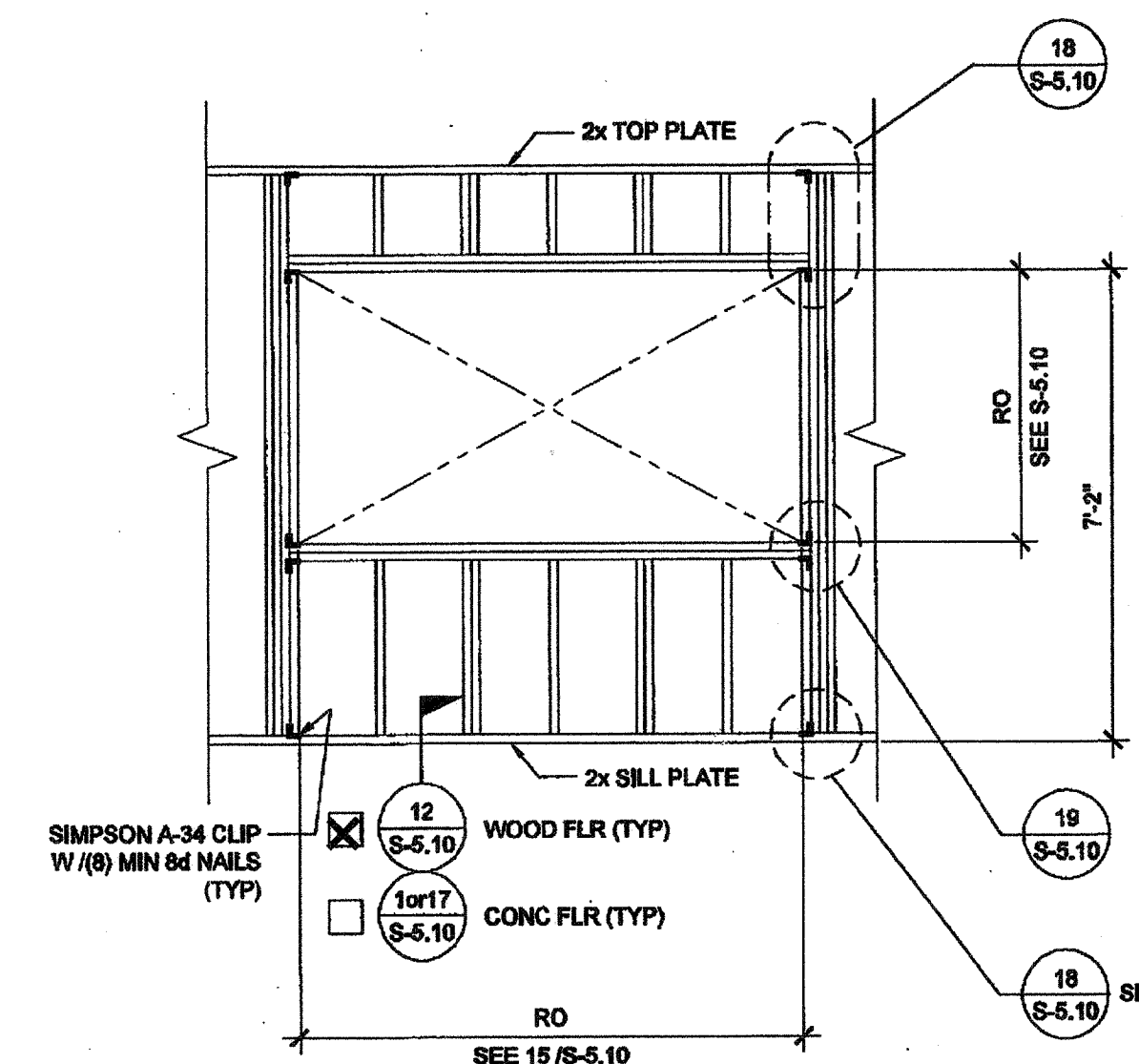
TYPICAL HVAC



FIRE EXTINGUISHER  
CABINET BLOCKOUT



TYPICAL DOOR



TYPICAL WINDOW

NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	9'-0"	9'-5"	10'-0"	10'-5"
CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

NOTE:  
IF PARAPET USED IS HIGHER THAN 18" END  
WALLS MUST BE 2x6 @ 24" O.C.

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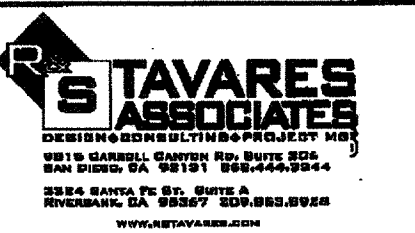
SILVER CREEK INDUSTRIES, INC.



195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

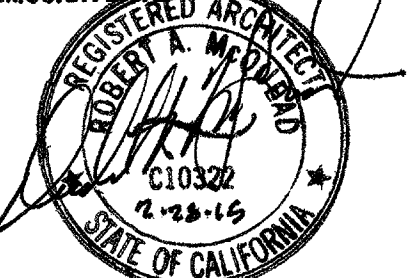
PROJECT NAME:  
**CLASS LEASING  
CLASSROOMS BLDG'S**

SHEET TITLE:  
**FRAMING ELEVATIONS  
WOOD STUDS**

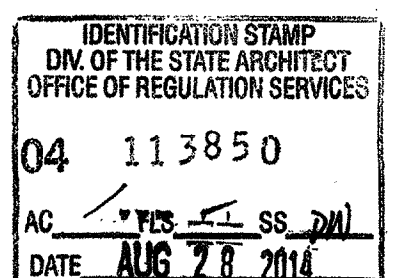


12/23/2011

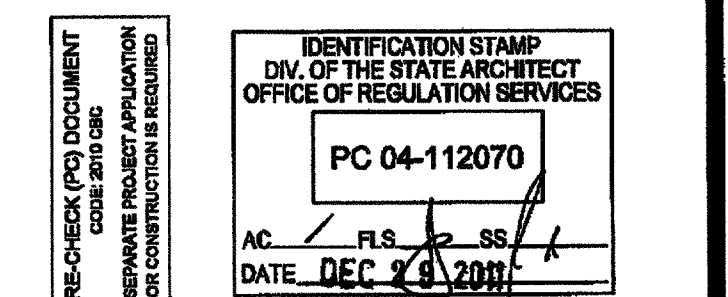
ARCHITECT OF RECORD  
SUBMISSION DATE



PROJECT SPECIFIC STATE AGENCY APPROVAL



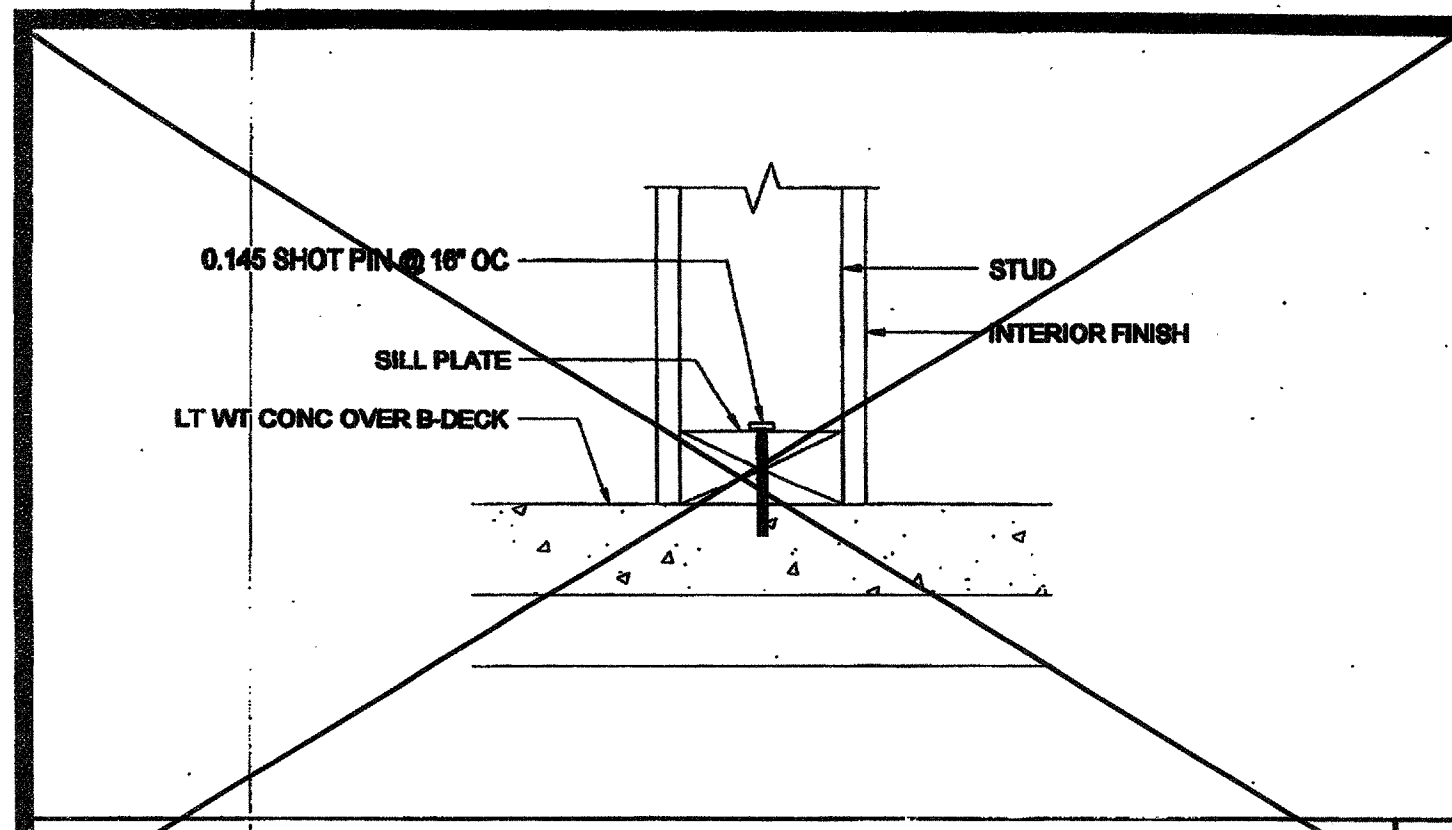
ORIGINAL PC STATE AGENCY APPROVAL



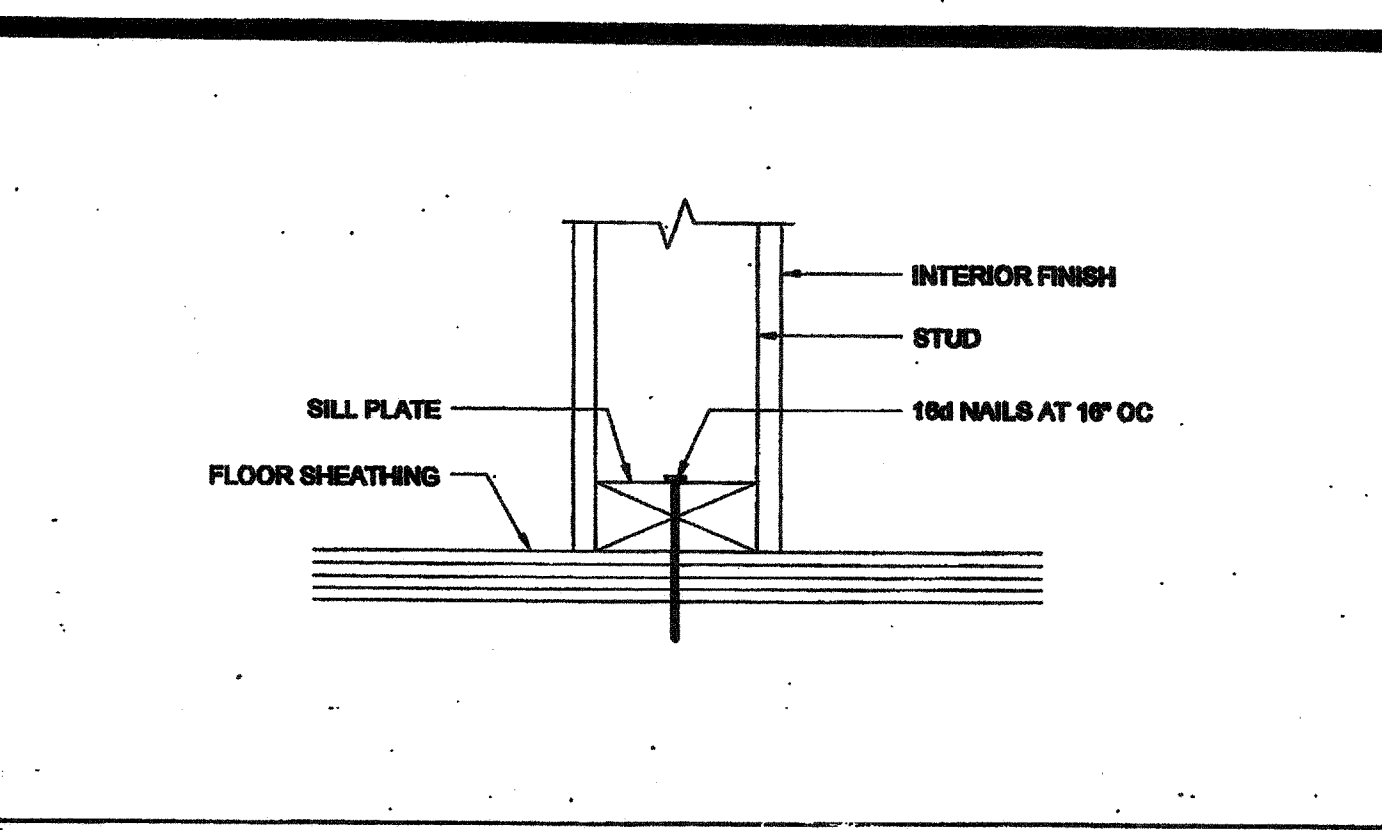
REVISIONS

SILVER CREEK INDUSTRIES 30' x 32' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 6-17-11
P.C. SHEET NUMBER
<b>S-5.00</b>

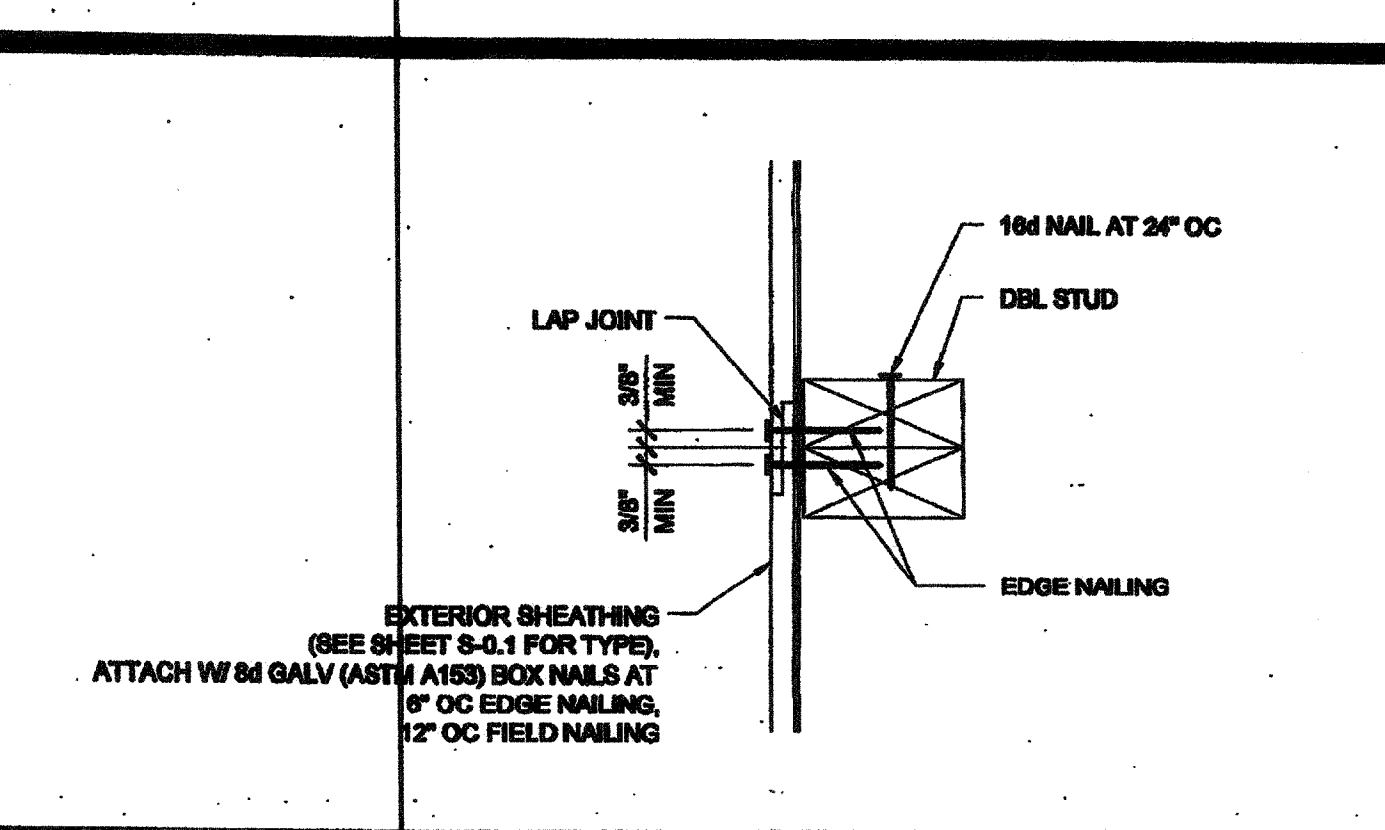




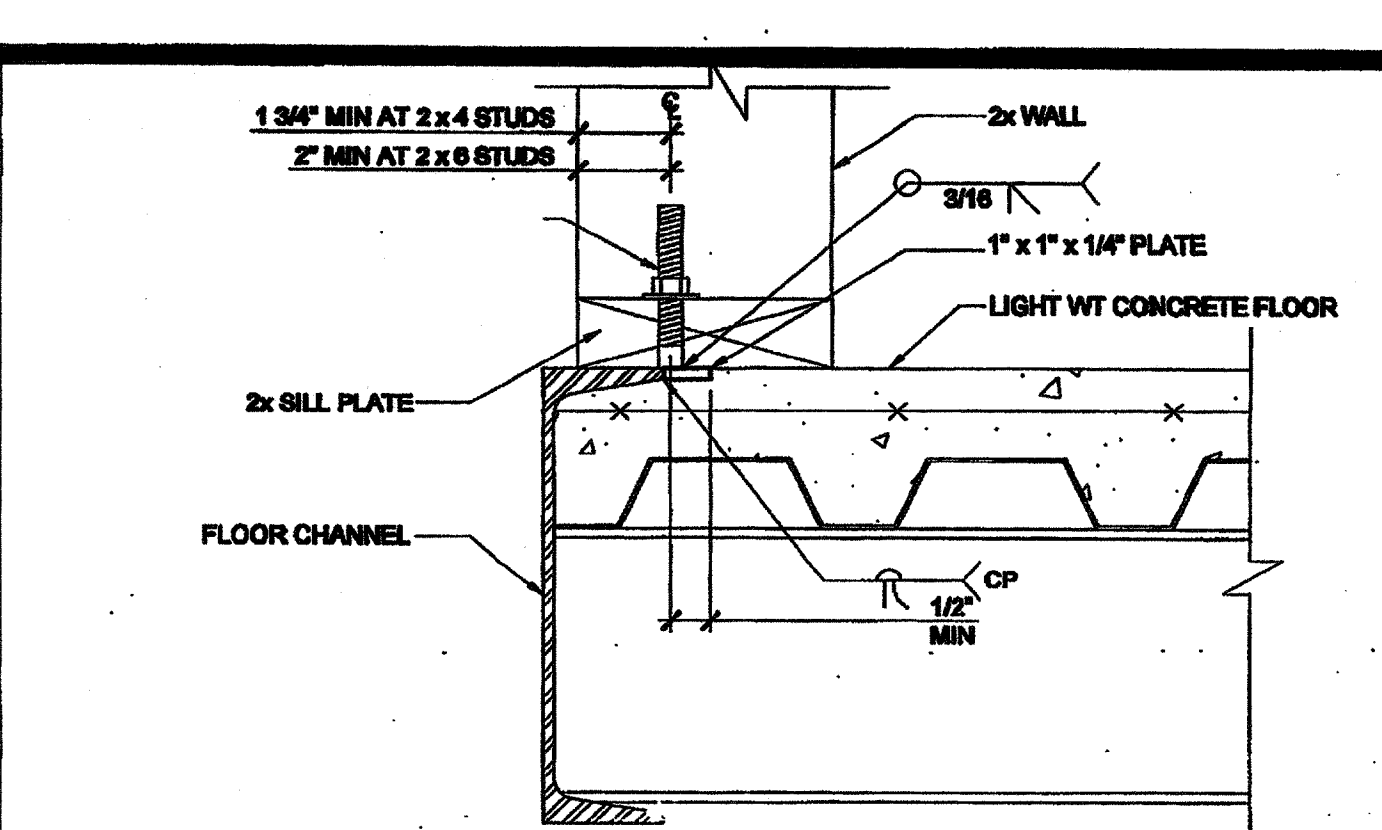
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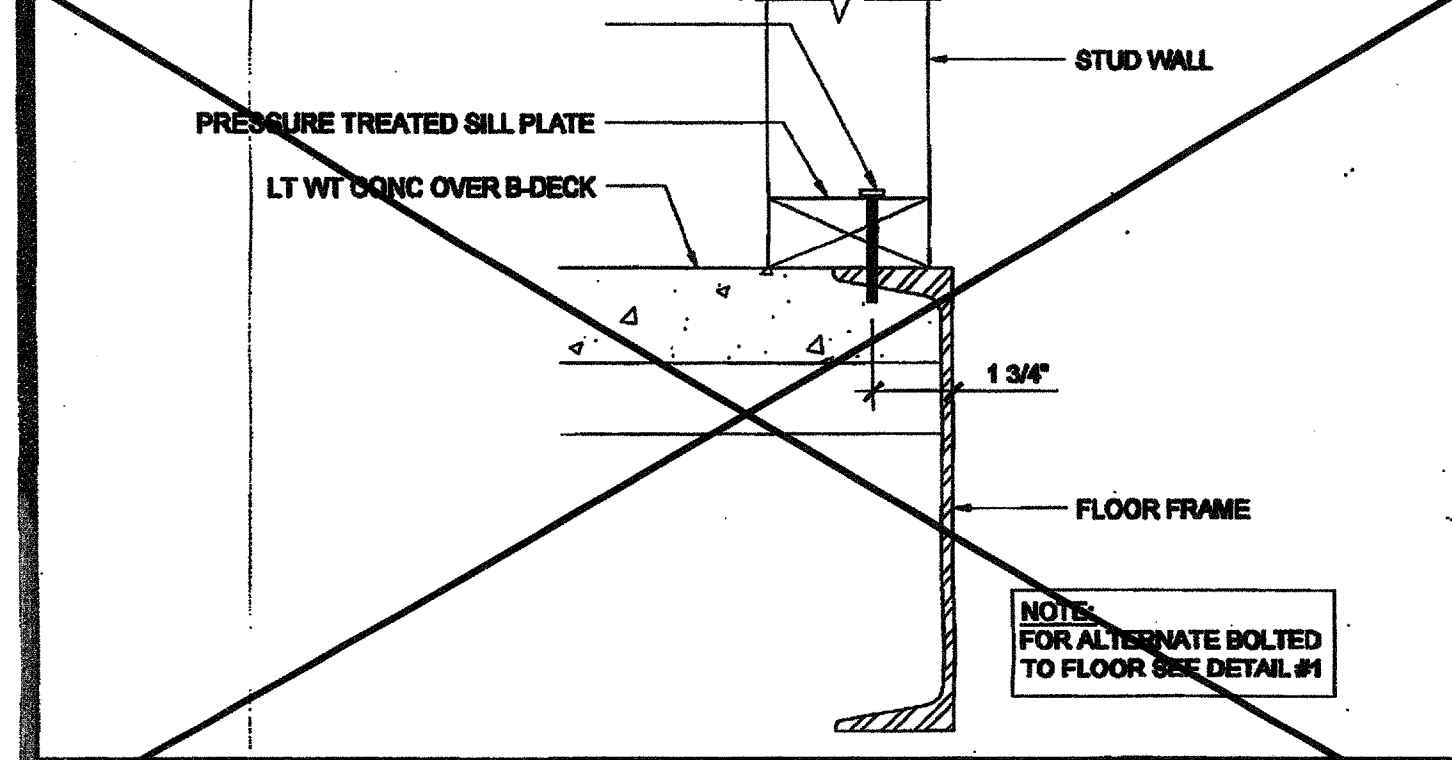
PARTITION CONNECTION AT WOOD FLOOR SCALE: 3\"/>



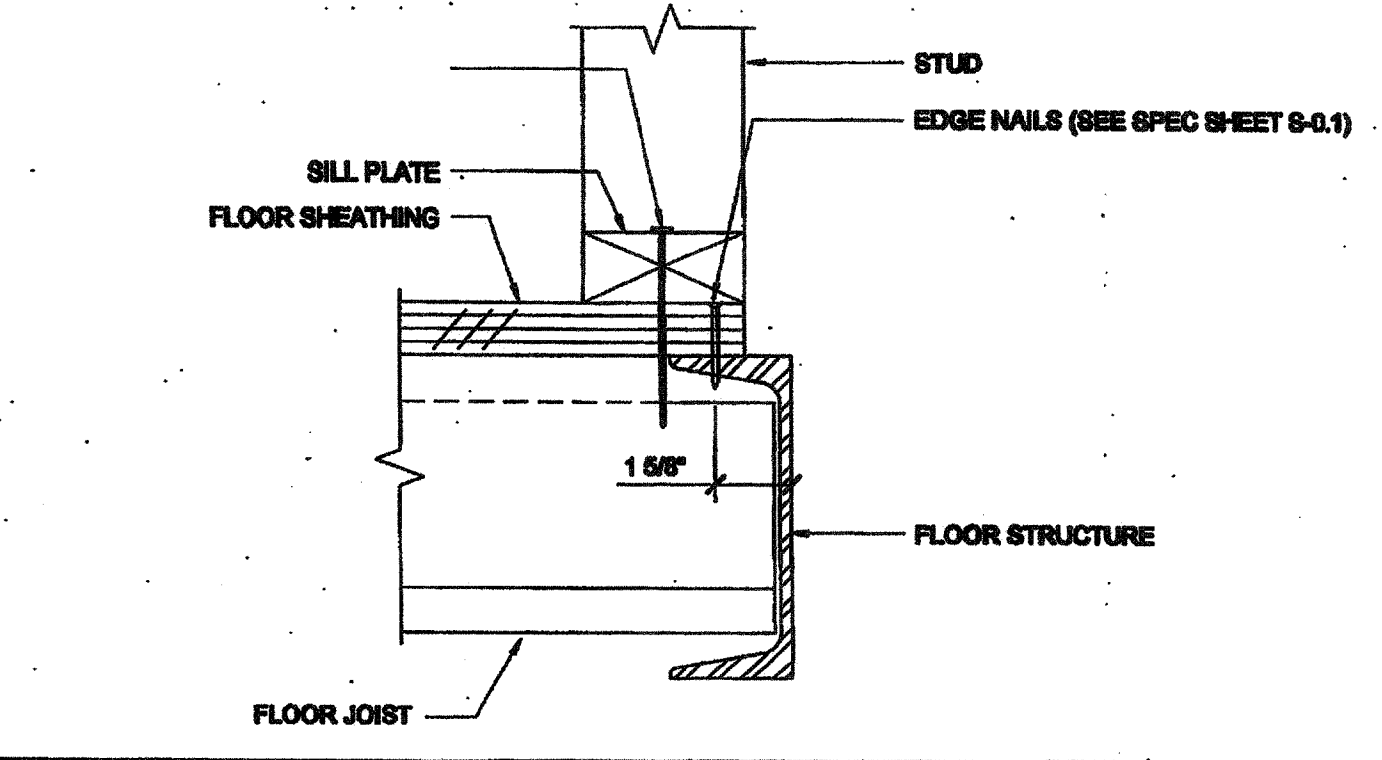
VERTICAL SHEATHING LAP JOINT SCALE: 3\"/>



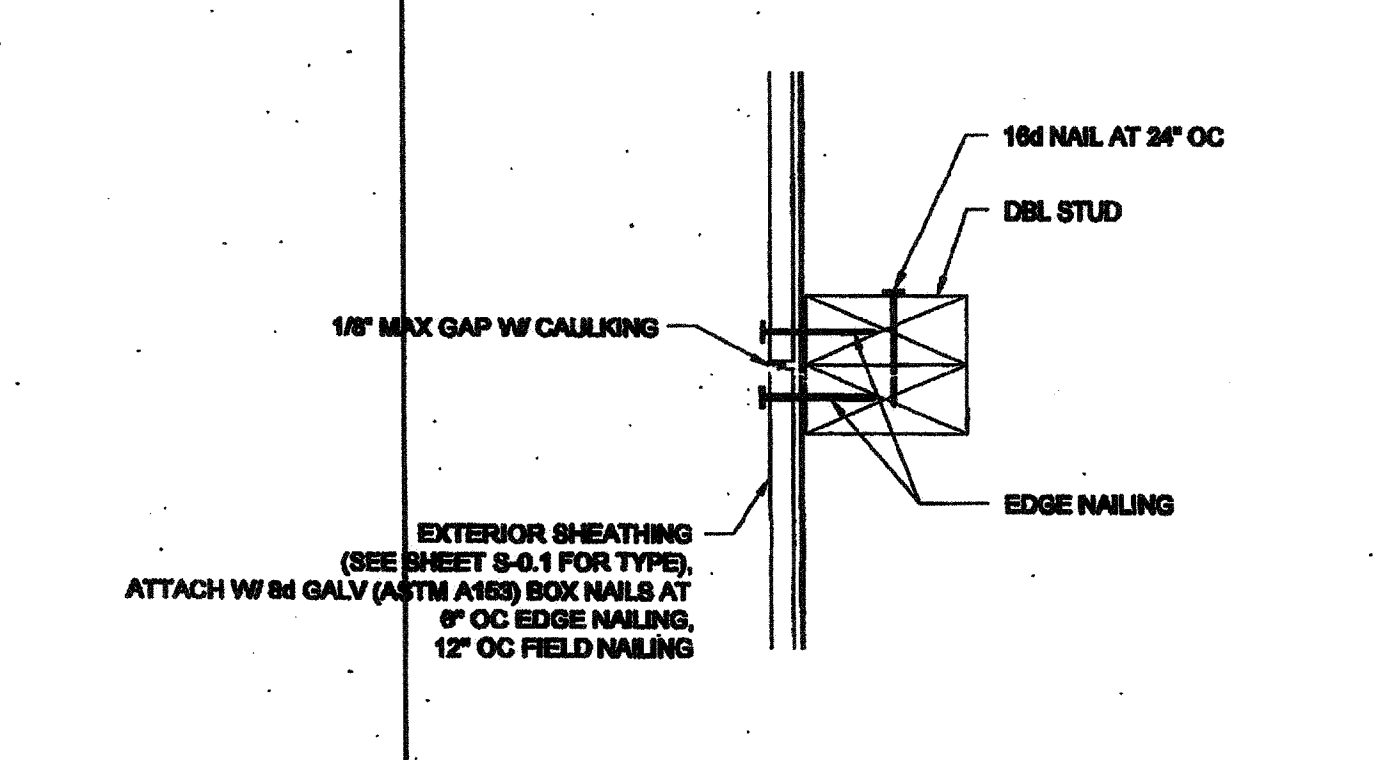
OPTIONAL BOLTED WALL TO FLOOR SCALE: NTS 1



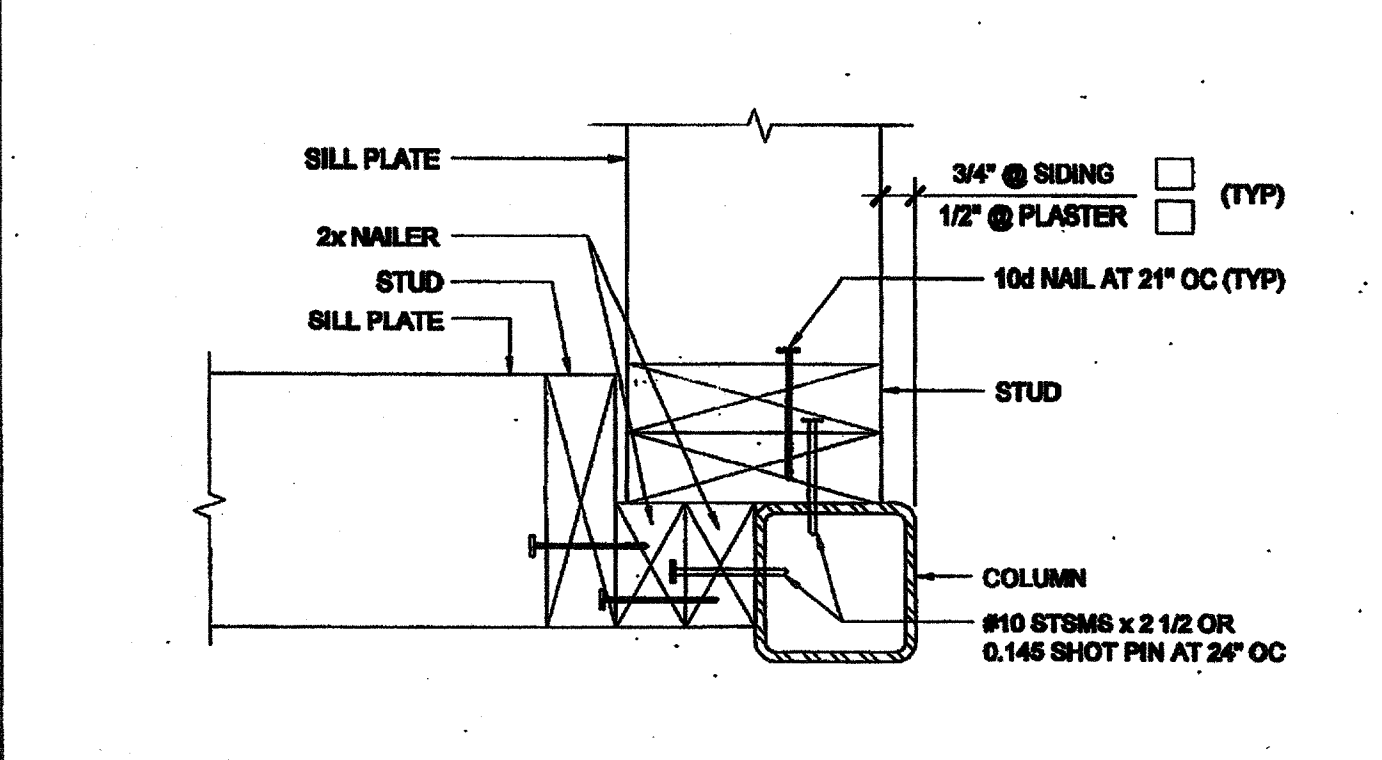
WALL SILL AT CONCRETE FLOOR SCALE: 3\"/>



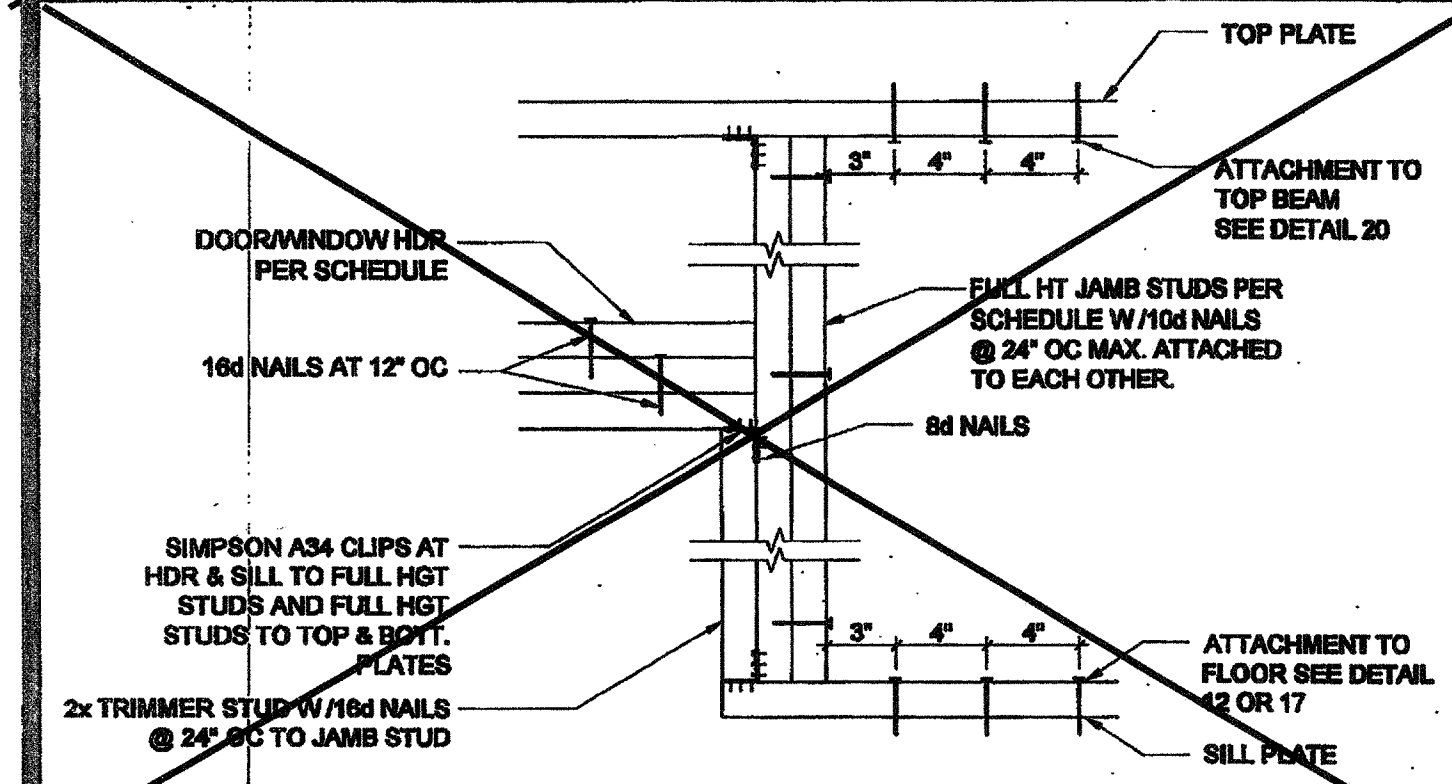
WALL SILL AT WOOD FLOOR SCALE: 3\"/>



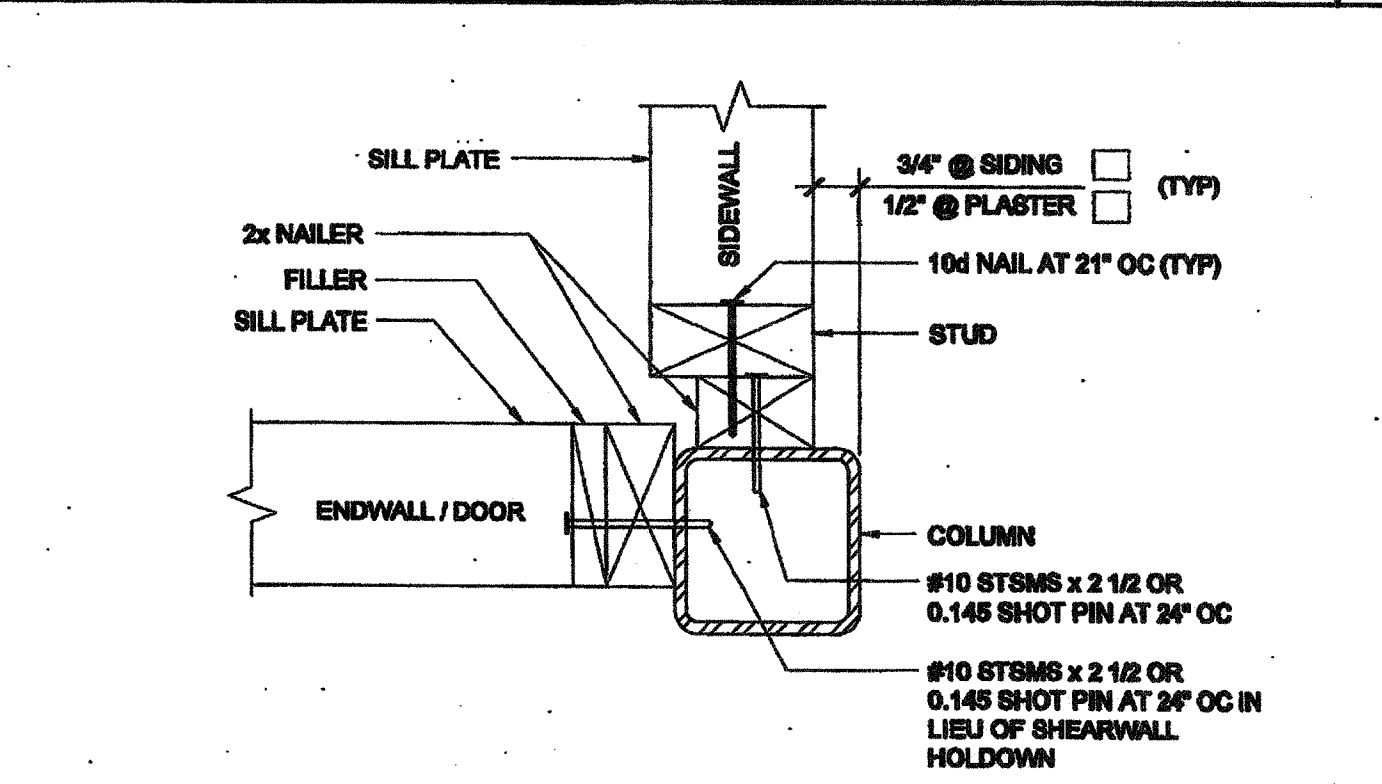
VERTICAL SHEATHING BUTT JOINT SCALE: 3\"/>



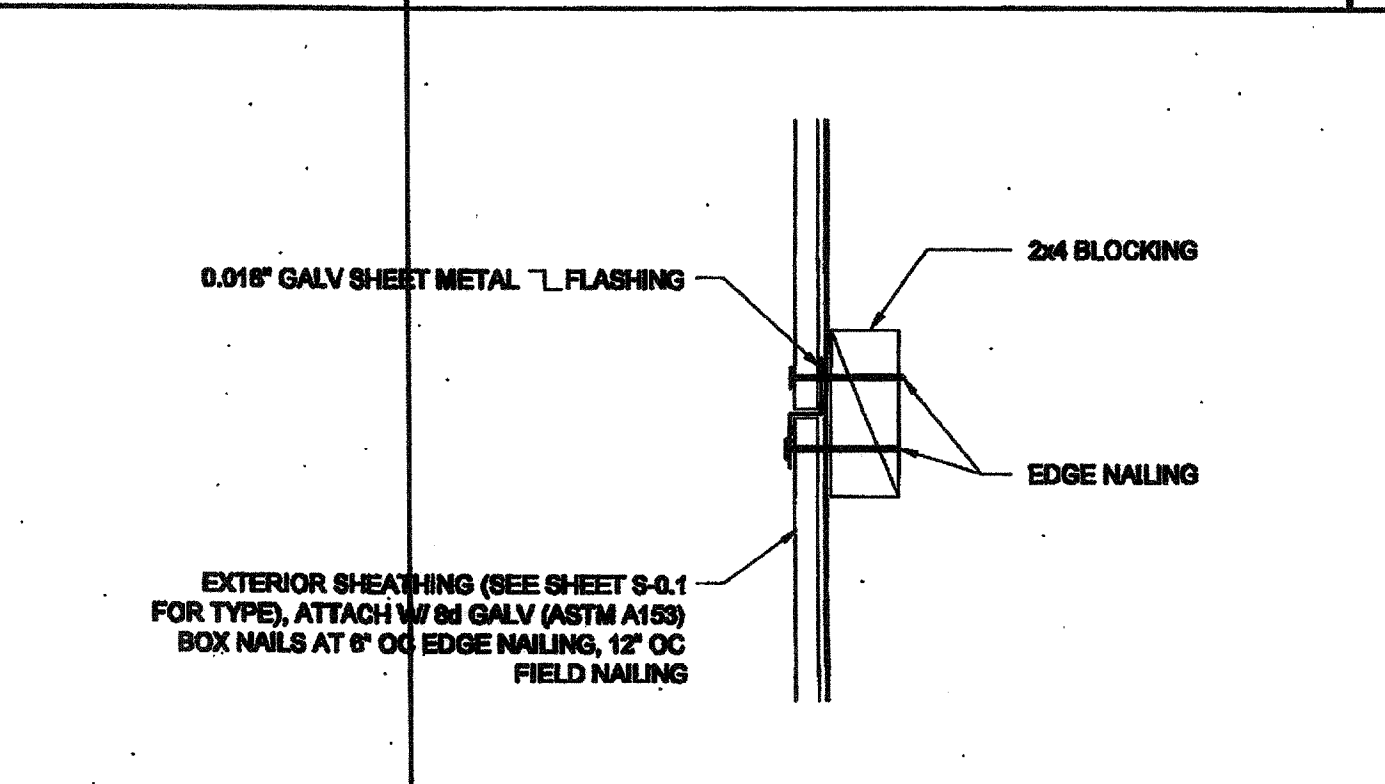
COLUMN AT ENDWALL (2x6) SCALE: 3\"/>



DOOR/WINDOW HEADER AND JAMB SCALE: 1 1/2\"/>

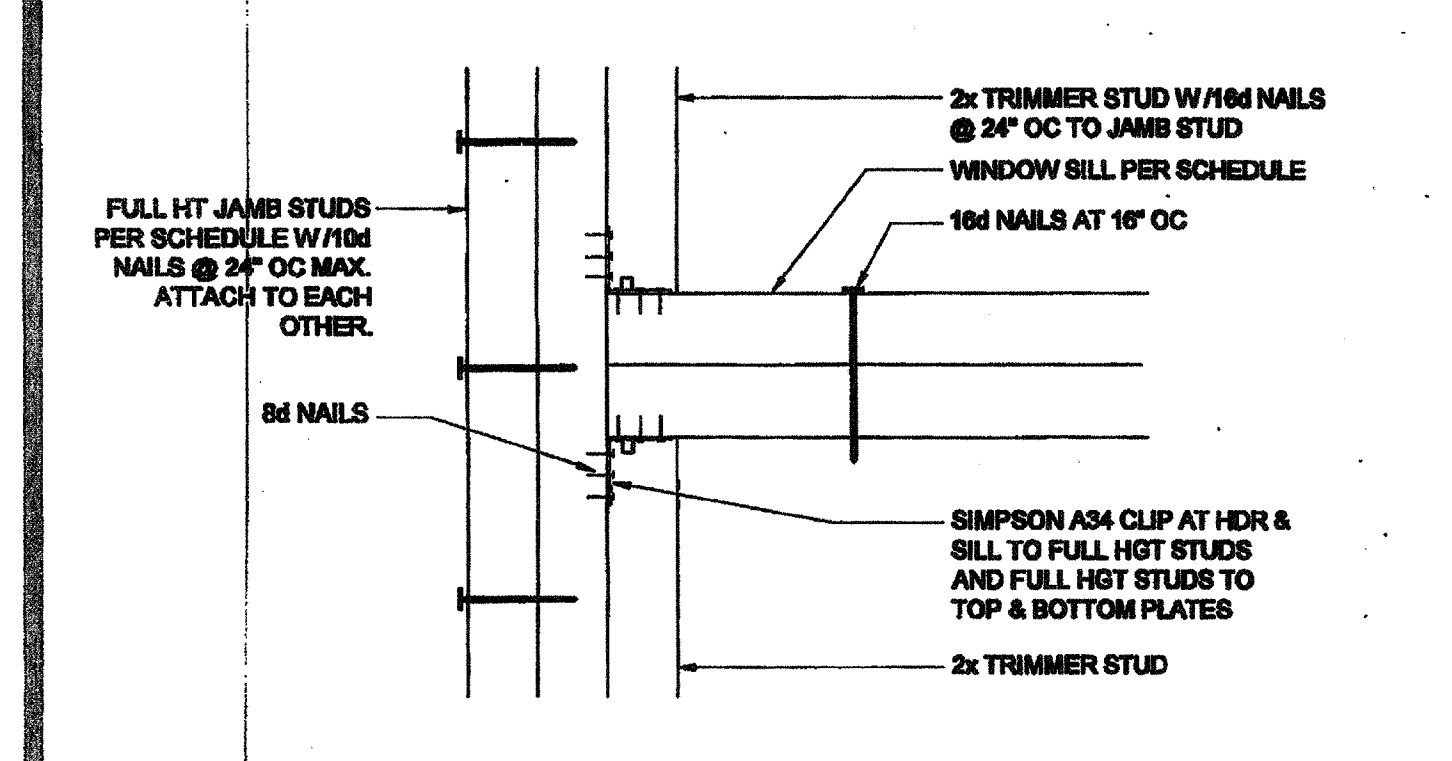


COLUMN AT ENDWALL SCALE: 3\"/>

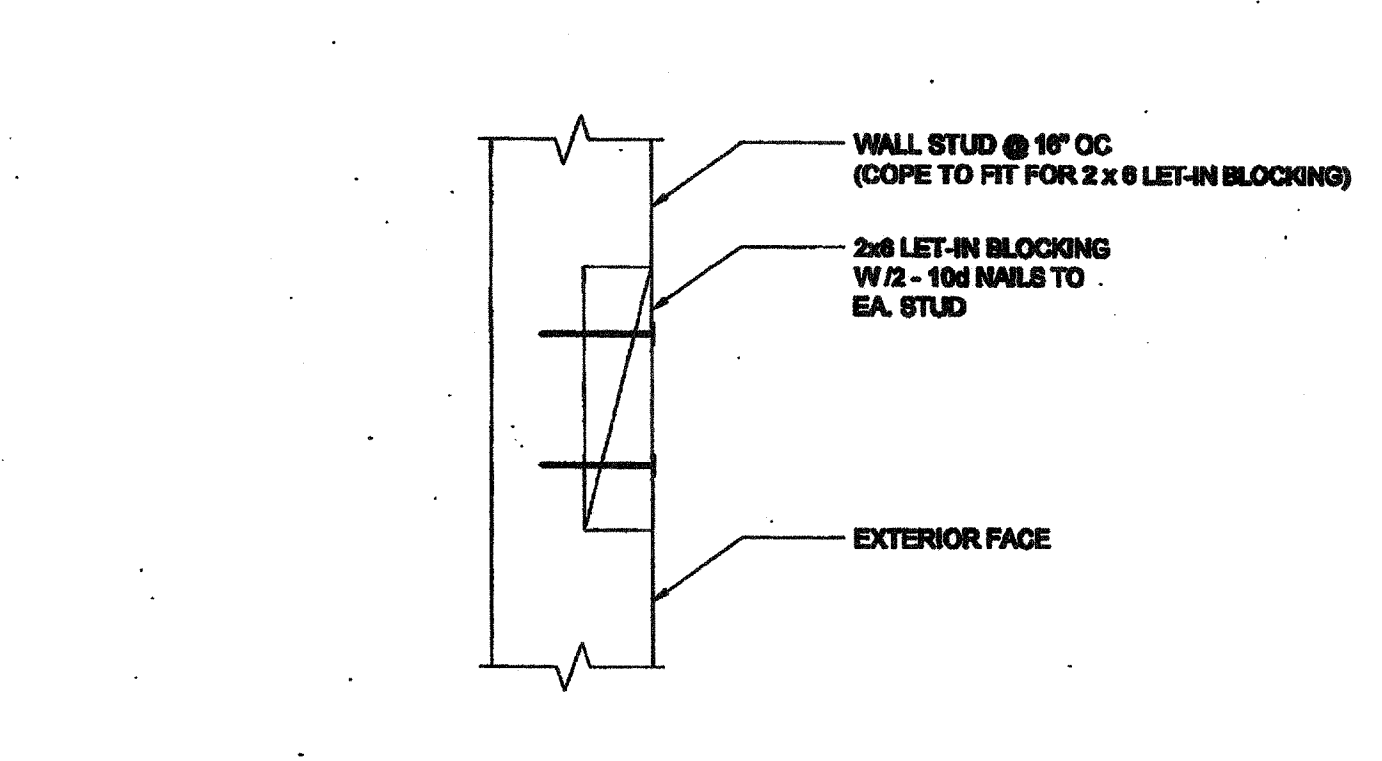


HORIZONTAL SHEATHING JOINT SCALE: 3\"/>

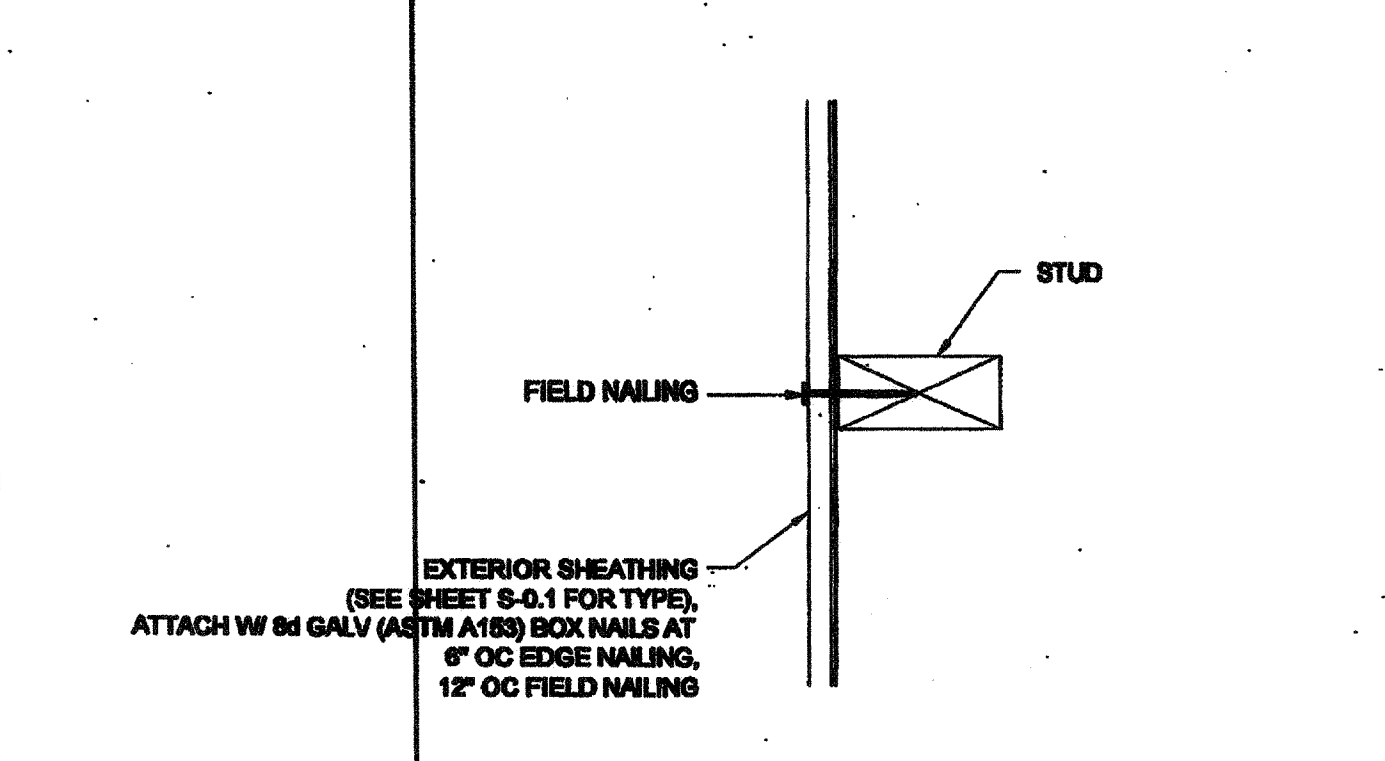
COLUMN HEIGHT	OPENING SIZE	EXT. FINISH	HEADER				SILL				FULL HEIGHT KING STUD				
			NUMBER	SIZE	LUMBER TYPE		NUMBER	SIZE	LUMBER TYPE		NUMBER	SIZE	LUMBER TYPE		
LESS THAN 8'-0"	3070	NO PLASTER	(1)	2X4	HF	#2		N/A				(2)	2X4	HF	
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(1)	2X4	DF		
		W/ PLASTER	(1)	2X4	HF	#2		N/A			(3)	2X4	HF		
		W/ PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF		
	4070	NO PLASTER	(1)	2X4	HF	#2		N/A				(2)	2X4	HF	
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(1)	2X4	DF		
		W/ PLASTER	(1)	2X4	HF	#2		N/A			(3)	2X4	HF		
		W/ PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF		
	6040	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(2)	2X4	DF		
		NO PLASTER (OPT)	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF		
		W/ PLASTER	(1)	2X4	HF	#2	(2)	2X4	HF	#2	(4)	2X4	HF		
		W/ PLASTER (OPT)	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(3)	2X4	DF		
8040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF			
	NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF			
	W/ PLASTER	(2)	2X4	HF	#2	(3)	2X4	HF	#2	(5)	2X4	HF			
	W/ PLASTER (OPT)	(2)	2X4	DF	#2	(3)	2X4	DF	#2	(4)	2X4	DF			



WINDOW SILL AND JAMB SCALE: 3\"/>

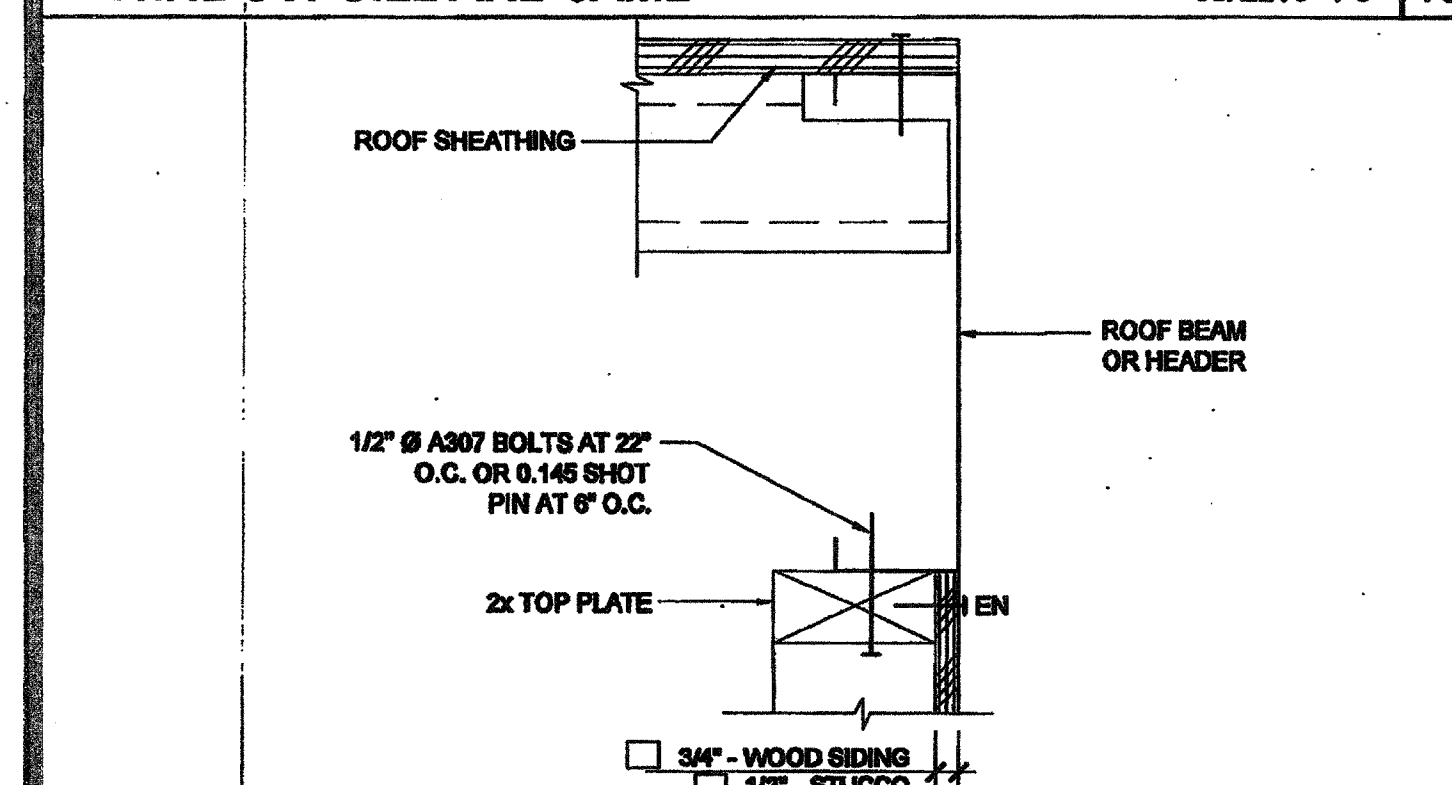


LET-IN BLOCK ATTACHMENT SCALE: 3\"/>



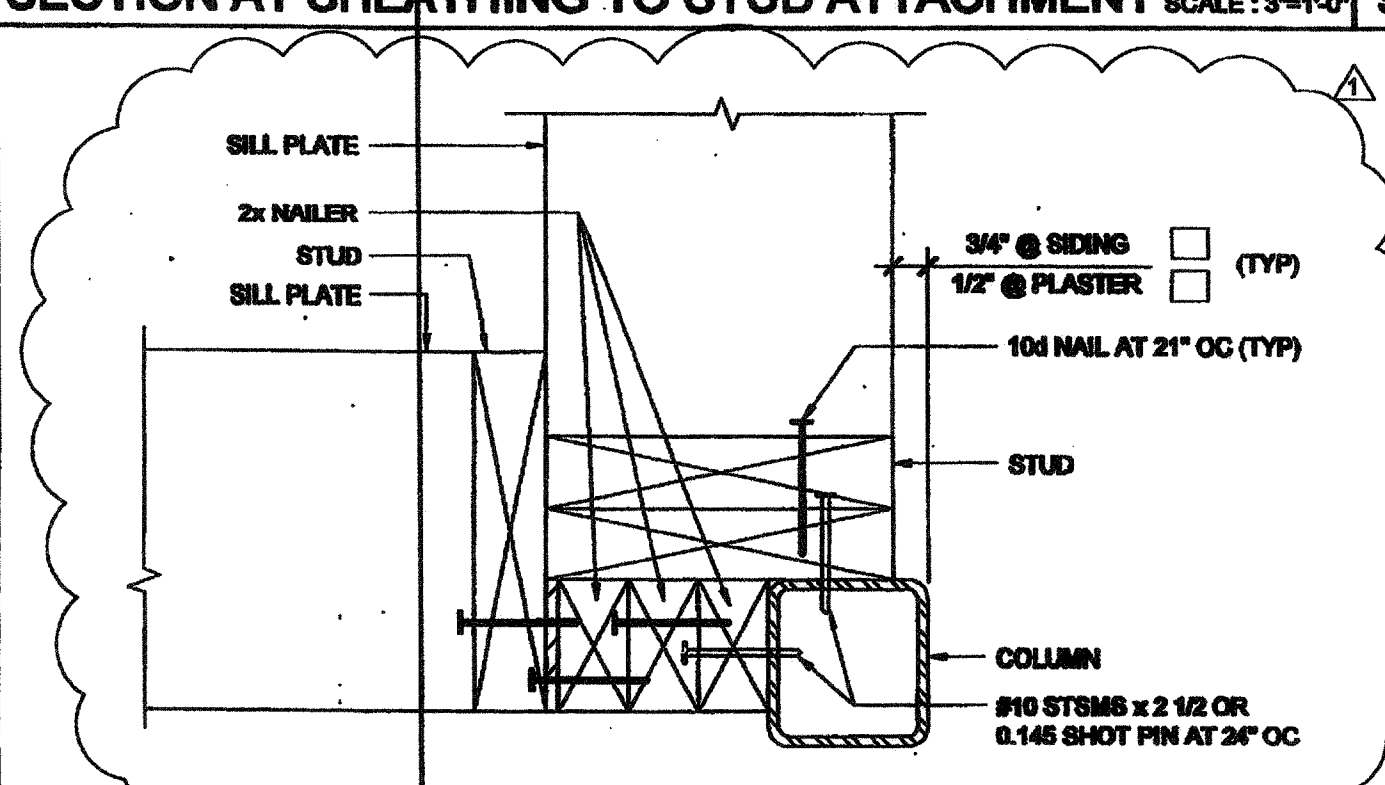
SECTION AT SHEATHING TO STUD ATTACHMENT SCALE: 3\"/>

COLUMN HEIGHT	OPENING SIZE	EXT. FINISH	WOOD WALL FRAMING				4\"/>
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TOP PLATE AT ROOF BEAM SCALE: 3\"/>

DOOR	WINDOW	□ STANDARD	□ WELDED FRAME
2070		28" 5"	28 1/4" 86 1/4"
3070		38" 85"	40 1/4" 88 1/4"
4070		50" 85"	52 1/4" 86 1/4"
6070		74" 85"	76 1/4" 86 1/4"
	4040	47 3/4" 47 5/8"	52 1/4" 52 1/4"
	6040	71 3/4" 47 5/8"	76 1/4" 52 1/4"
	8040	85 3/4" 47 5/8"	100 1/4" 52 1/4"
	6020	71 3/4" 23 5/8"	76 1/4" 26 1/4"
	8020	85 3/4" 23 5/8"	100 1/4" 26 1/4"



COLUMN AT ENDWALL (2x8) SCALE: 3\"/>

COLUMN HEIGHT	OPENING SIZE	EXT. FINISH	WOOD WALL FRAMING				4\"/>
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**SILVER CREEK INDUSTRIES, INC.**

195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME: **CLASS LEASING CLASSROOMS BLDG'S**

SHEET TITLE: **WALL FRAMING DETAILS WOOD STUDS**

**STAVARES**  
ARCHITECTS  
1000 N. GATEWAY AVE. SUITE 100  
PERRIS, CA 92571  
SEP 18 2012

ARCHITECT OF RECORD  
SUBMISSION DATE: 04/11/2012

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04 113850  
AC: FLS SS 201  
DATE: AUG 28 2014

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE: 2011-001  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-112070  
AC: FLS SS 201  
DATE: JAN 9 2015

REVISED

REVISIONS

PC REVISION 07/24/2012

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

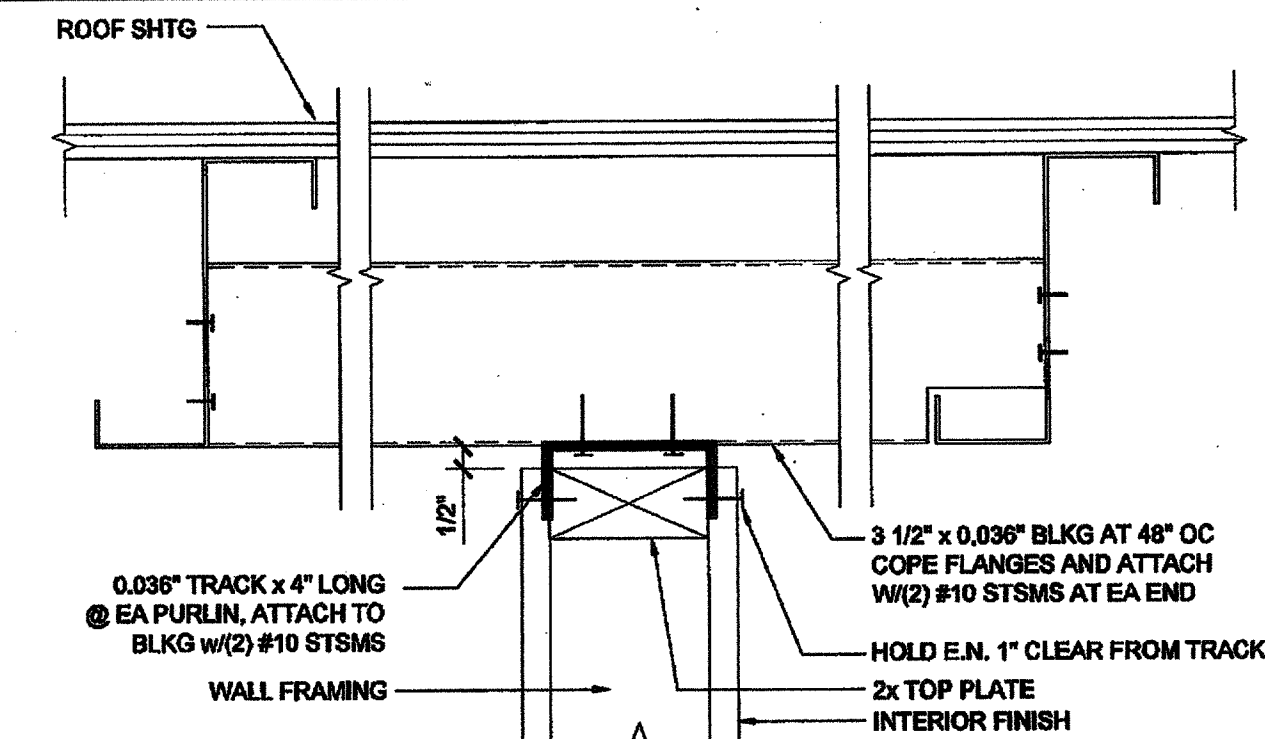
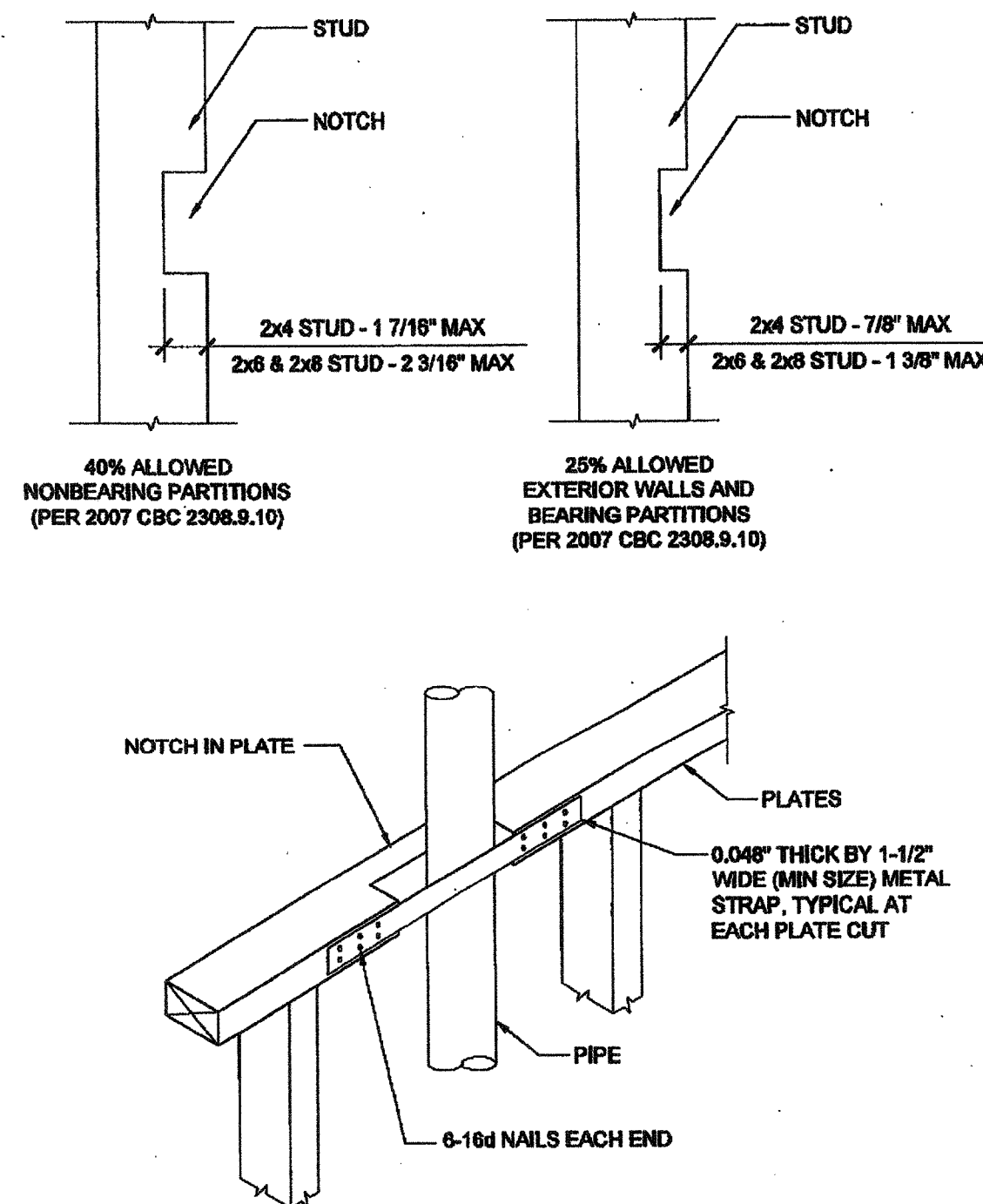
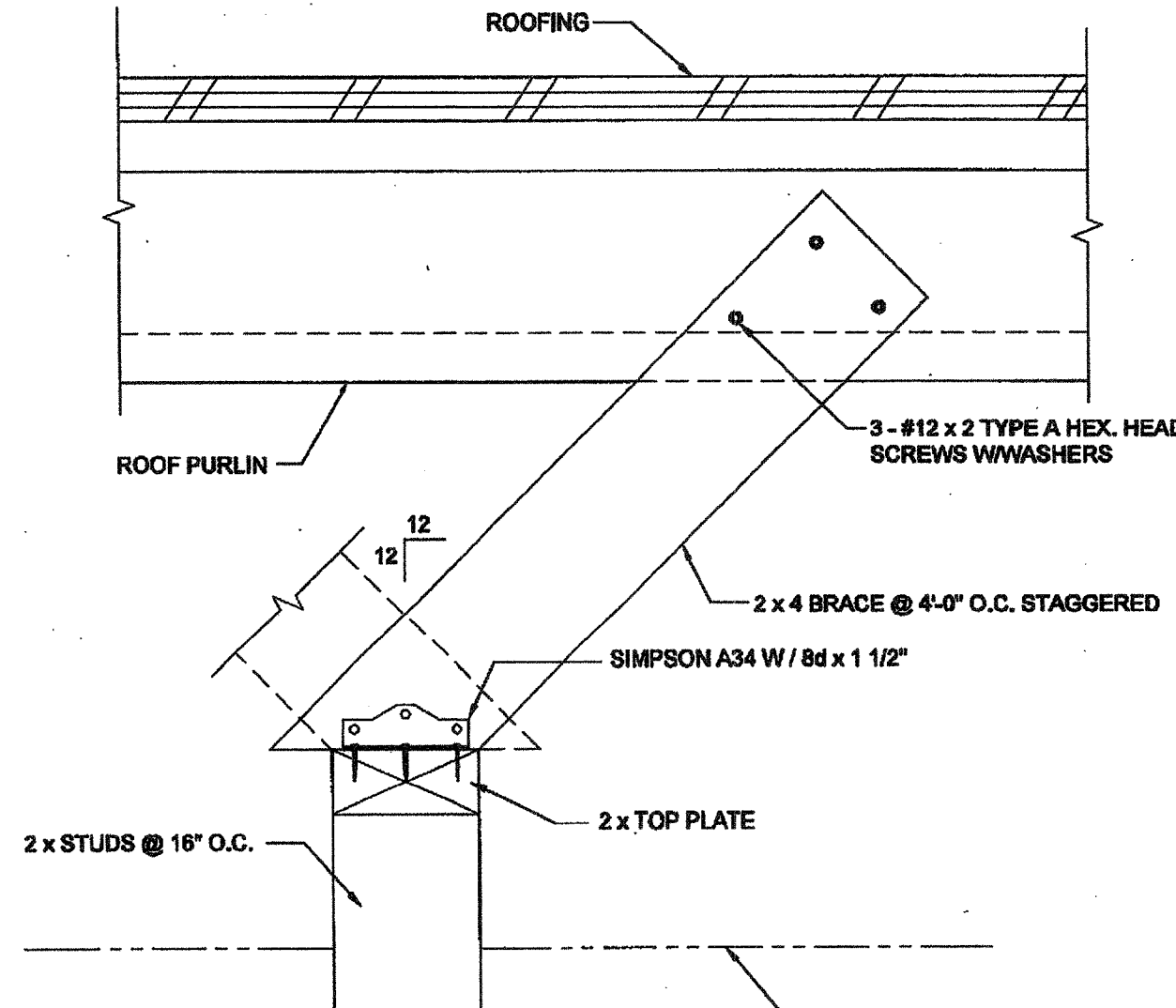
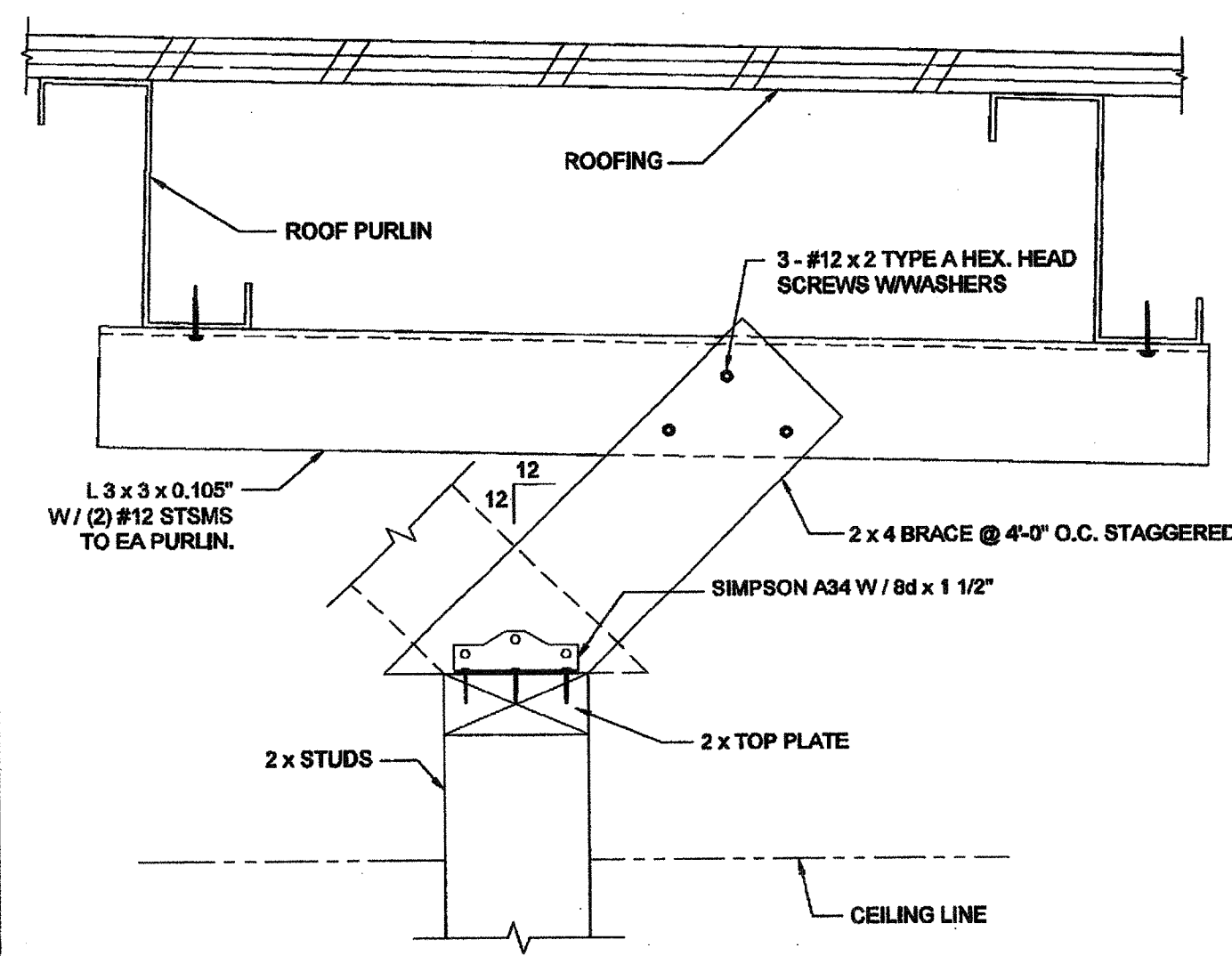
DATE: 6-17-11

P.C. SHEET NUMBER

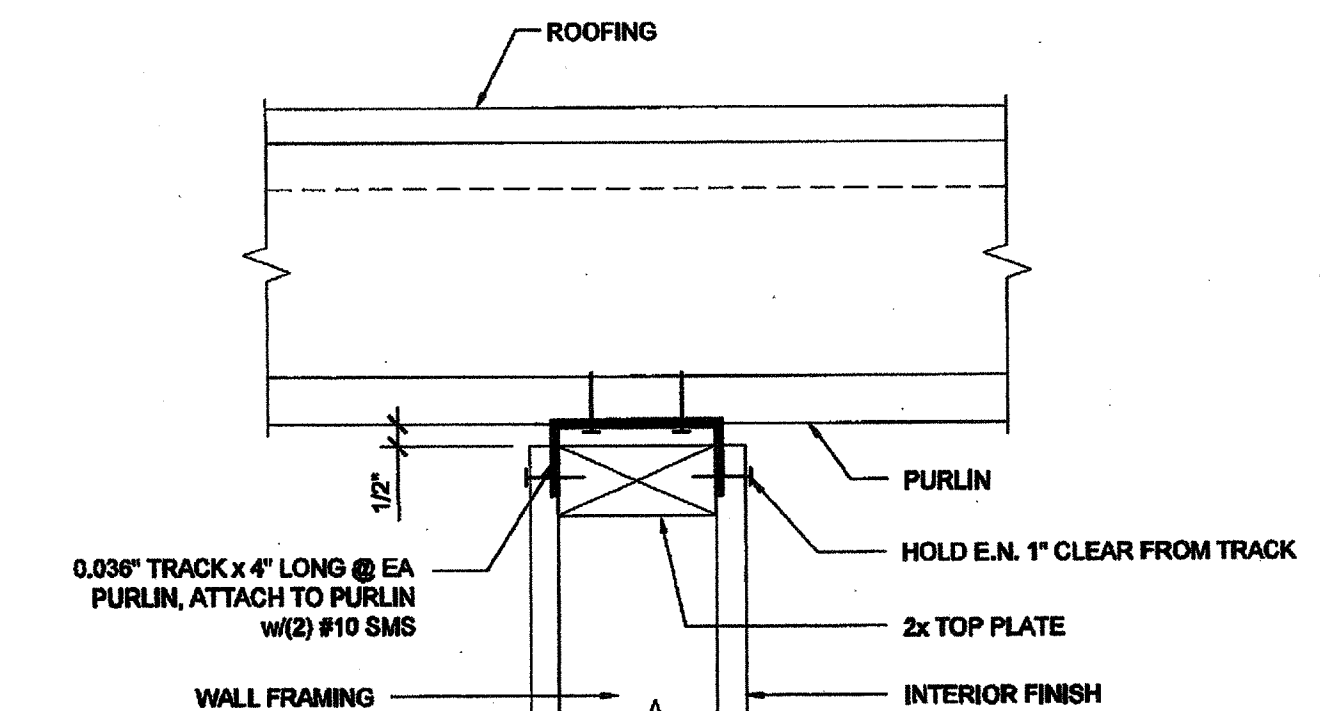
**S-5.10**

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
03 117001  
AC: FLS SS 201  
DATE: 4/20/16





FULL HEIGHT INTERIOR PARTITION SCALE: 3" = 1'-0" 1



FULL HEIGHT INTERIOR PARTITION SCALE: 3" = 1'-0" 2

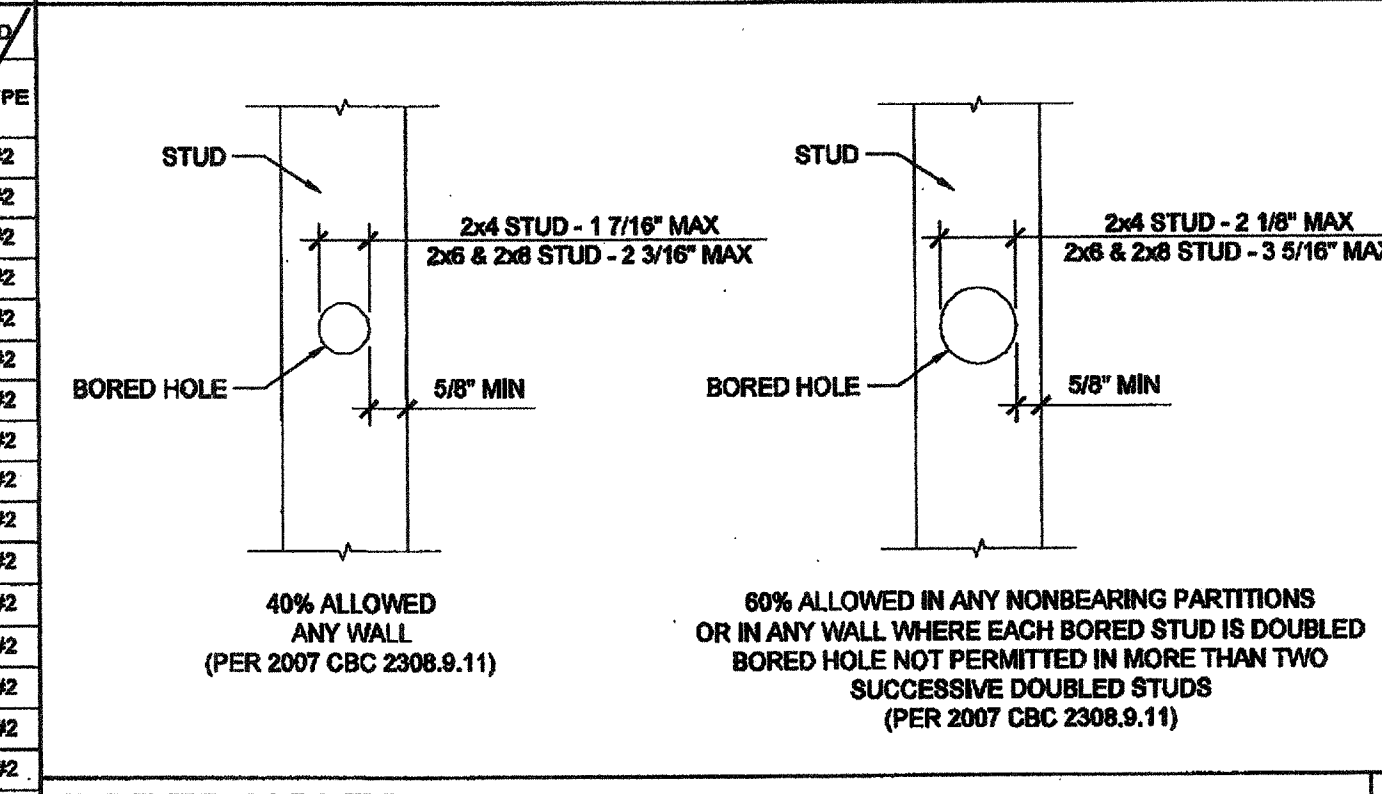
INTERIOR PARTITION SCALE: 3" = 1'-0" 14

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER **	SIZE **	LUMBER	TYPE	NUMBER **	SIZE **	LUMBER	TYPE	NUMBER **	SIZE **	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X6	HF	#2		N/A		(1)	2X6	HF	#2	
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A		(1)	2X6	DF	#2	
		W/ PLASTER	(1)	2X6	HF	#2		N/A		(1)	2X6	HF	#2	
		W/PLASTER (OPT)	(1)	2X6	DF	#2		N/A		(1)	2X6	DF	#2	
	4070	NO PLASTER	(1)	2X6	HF	#2		N/A		(1)	2X6	HF	#2	
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A		(1)	2X6	DF	#2	
		W/ PLASTER	(1)	2X6	HF	#2		N/A		(1)	2X6	HF	#2	
		W/PLASTER (OPT)	(1)	2X6	DF	#2		N/A		(1)	2X6	DF	#2	
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2	
	NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2	
	W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2	
	W/PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2	

INTERIOR PARTITION SCALE: 3" = 1'-0" 12

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER **	SIZE **	LUMBER	TYPE	NUMBER **	SIZE **	LUMBER	TYPE	NUMBER **	SIZE **	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X6	HF	#2	N/A				(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	N/A				(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	N/A				(1)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	N/A				(1)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2	N/A				(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	N/A				(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	N/A				(1)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	N/A				(1)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2	
	NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2	
	W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2	
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2	

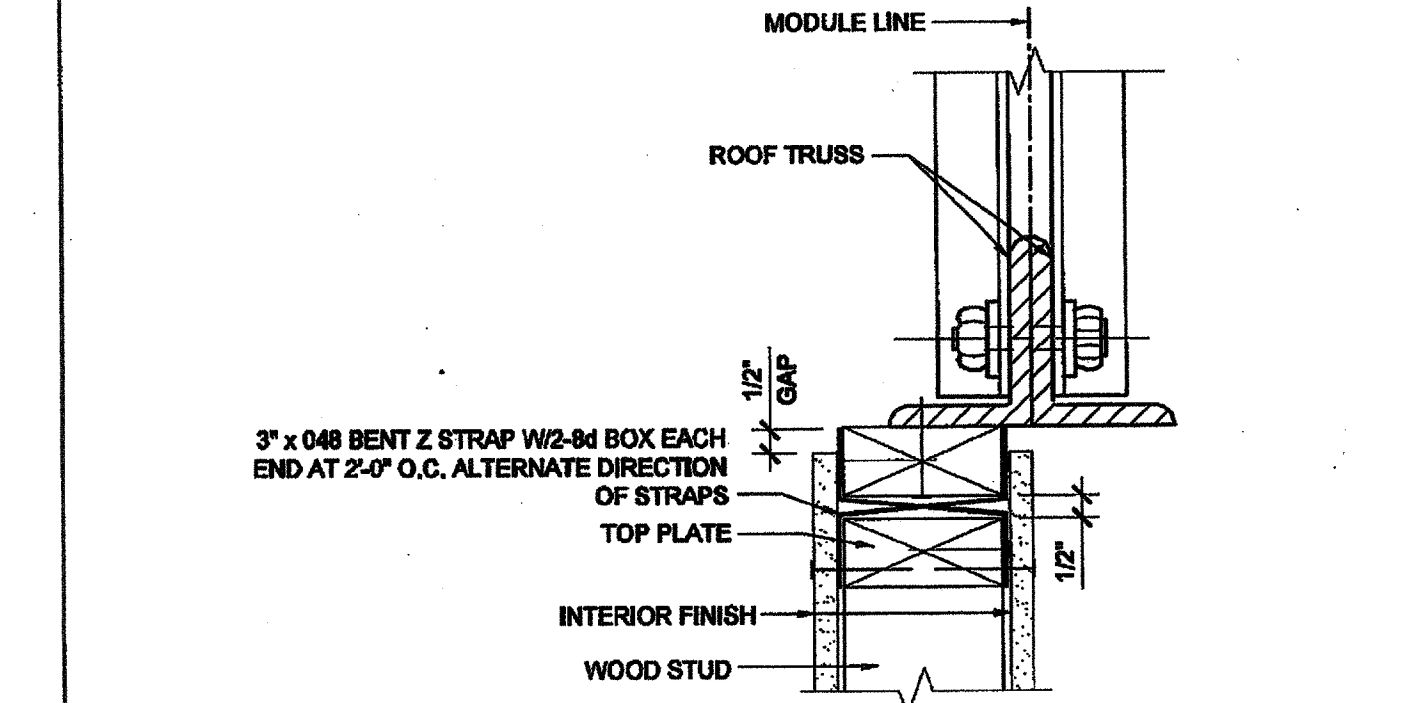
CUTTING AND NOTCHING SCALE: 1 1/2" = 1'-0" 7



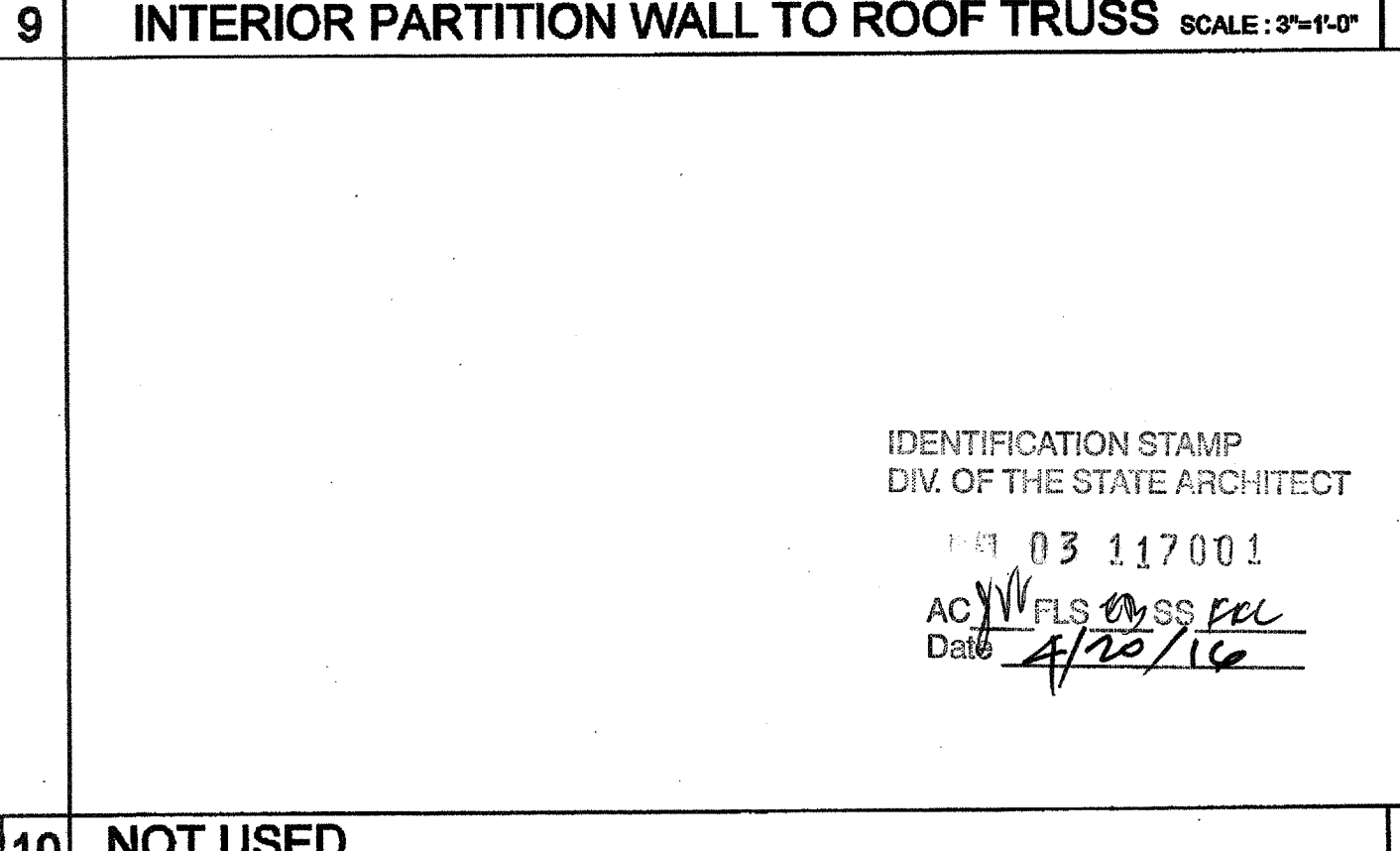
BORED HOLES SCALE: 1 1/2" = 1'-0" 8

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INTERIOR PARTITION WALL TO ROOF BEAM SCALE: 3" = 1'-0" 3



INTERIOR PARTITION WALL TO ROOF TRUSS SCALE: 3" = 1'-0" 4



2x6 OPENING STUDS SCHEDULE 19

COLUMN HEIGHT	EXT. FINISH	WOOD WALL FRAMING	4" CORNER OF WOOD WALL FRAMING (ZONE 5)
LESS THAN 9'-6"	NO PLASTER	(1) 2X6 HF #2 24" OC	(1) 2X6 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X6 DF #2 24" OC	(1) 2X6 DF #2 24" OC
	W/ PLASTER	(1) 2X6 HF #2 24" OC	(1) 2X6 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X6 DF #2 24" OC	(1) 2X6 DF #2 24" OC
9'-6" TO 10'-6"	NO PLASTER	(1) 2X6 HF #2 24" OC	(1) 2X6 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X6 DF #2 24" OC	(1) 2X6 DF #2 24" OC
	W/ PLASTER	(1) 2X6 HF #2 24" OC	(1) 2X6 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X6 DF #2 24" OC	(1) 2X6 DF #2 24" OC

2x6 WALL FRAMING SCHEDULE 20

COLUMN HEIGHT	EXT. FINISH	WOOD WALL FRAMING	4" CORNER OF WOOD WALL FRAMING (ZONE 5)
LESS THAN 9'-6"	NO PLASTER	(1) 2X6 HF #2 24" OC	(1) 2X6 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X6 DF #2 24" OC	(1) 2X6 DF #2 24" OC
	W/ PLASTER	(1) 2X6 HF #2 24" OC	(1) 2X6 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X6 DF #2 24" OC	(1) 2X6 DF #2 24" OC
9'-6" TO 10'-6"	NO PLASTER	(1) 2X6 HF #2 24" OC	(1) 2X6 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X6 DF #2 24" OC	(1) 2X6 DF #2 24" OC
	W/ PLASTER	(1) 2X6 HF #2 24" OC	(1) 2X6 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X6 DF #2 24" OC	(1) 2X6 DF #2 24" OC

2x8 OPENING STUDS SCHEDULE 21

COLUMN HEIGHT	EXT. FINISH	WOOD WALL FRAMING	4" CORNER OF WOOD WALL FRAMING (ZONE 5)
LESS THAN 9'-6"	NO PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
	W/ PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
9'-6" TO 10'-6"	NO PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
	W/ PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC

2x8 WALL FRAMING SCHEDULE 22

COLUMN HEIGHT	EXT. FINISH	WOOD WALL FRAMING	4" CORNER OF WOOD WALL FRAMING (ZONE 5)
LESS THAN 9'-6"	NO PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
	W/ PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
9'-6" TO 10'-6"	NO PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
	W/ PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC

NOT USED 9

COLUMN HEIGHT	EXT. FINISH	WOOD WALL FRAMING	4" CORNER OF WOOD WALL FRAMING (ZONE 5)
LESS THAN 9'-6"	NO PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
	W/ PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
9'-6" TO 10'-6"	NO PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	NO PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC
	W/ PLASTER	(1) 2X8 HF #2 24" OC	(1) 2X8 HF #2 24" OC
	W/ PLASTER (OPT)	(1) 2X8 DF #2 24" OC	(1) 2X8 DF #2 24" OC

NOT USED 10

NOT USED 5

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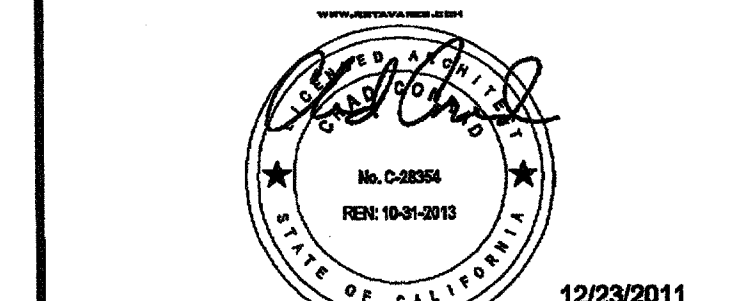
195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

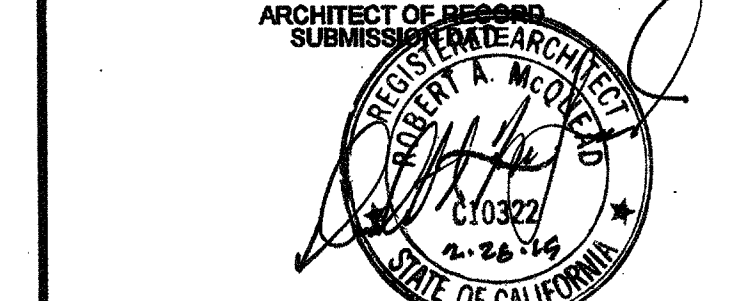
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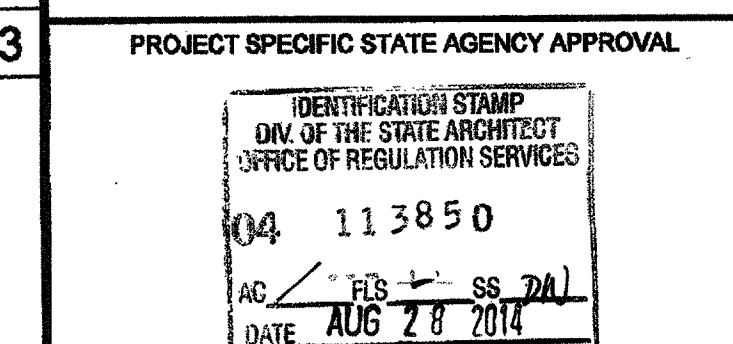
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DETAILS  
WOOD STUDS



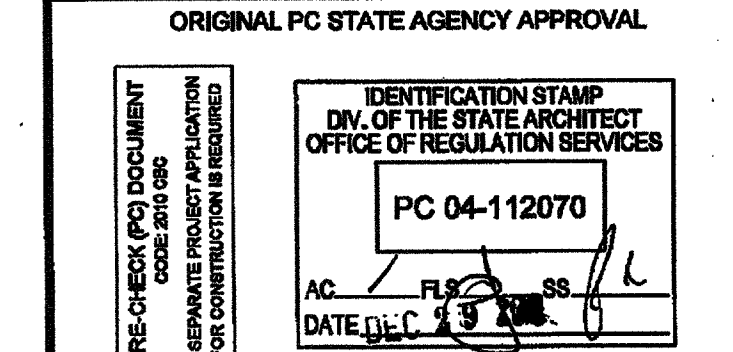
12/23/2011



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

NO.	DESCRIPTION

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

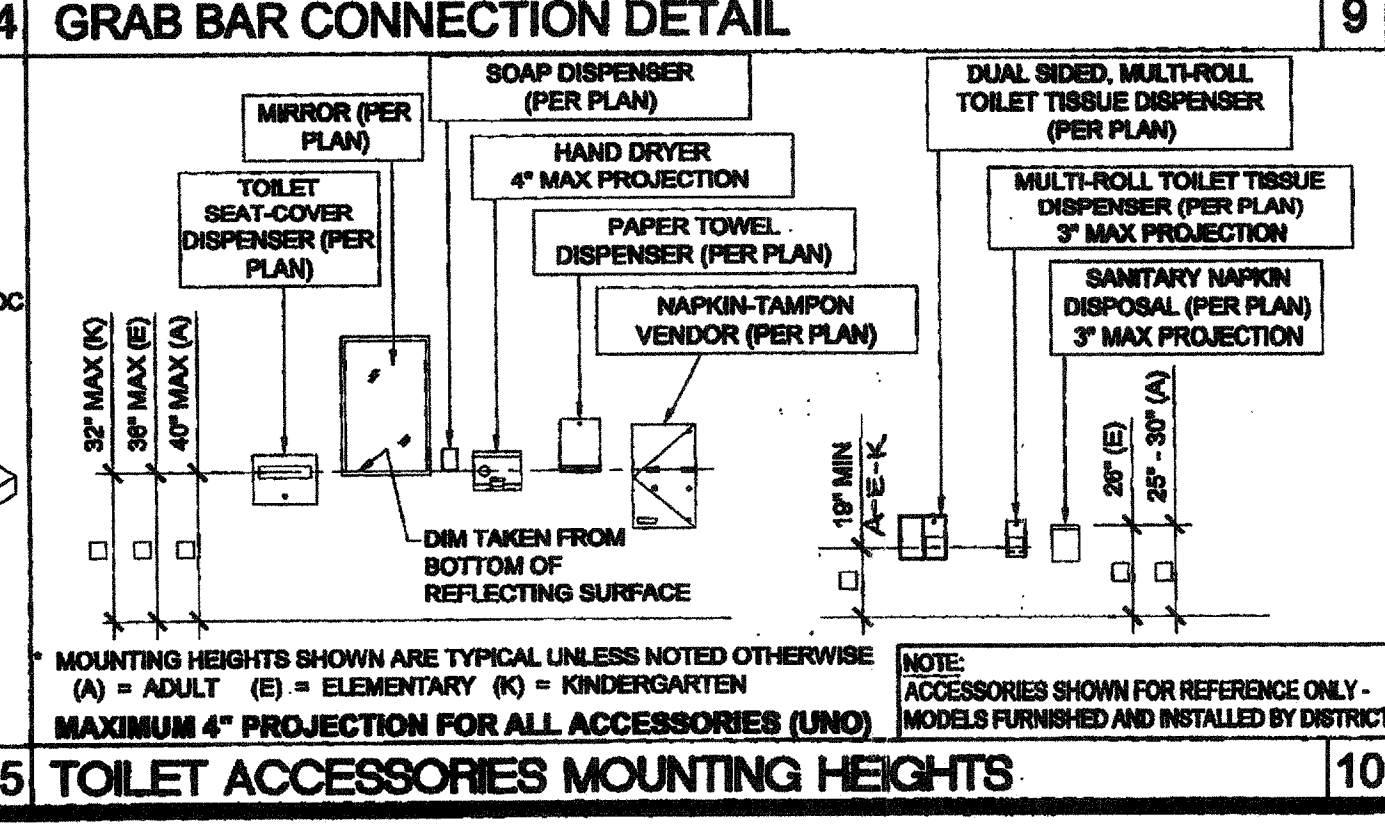
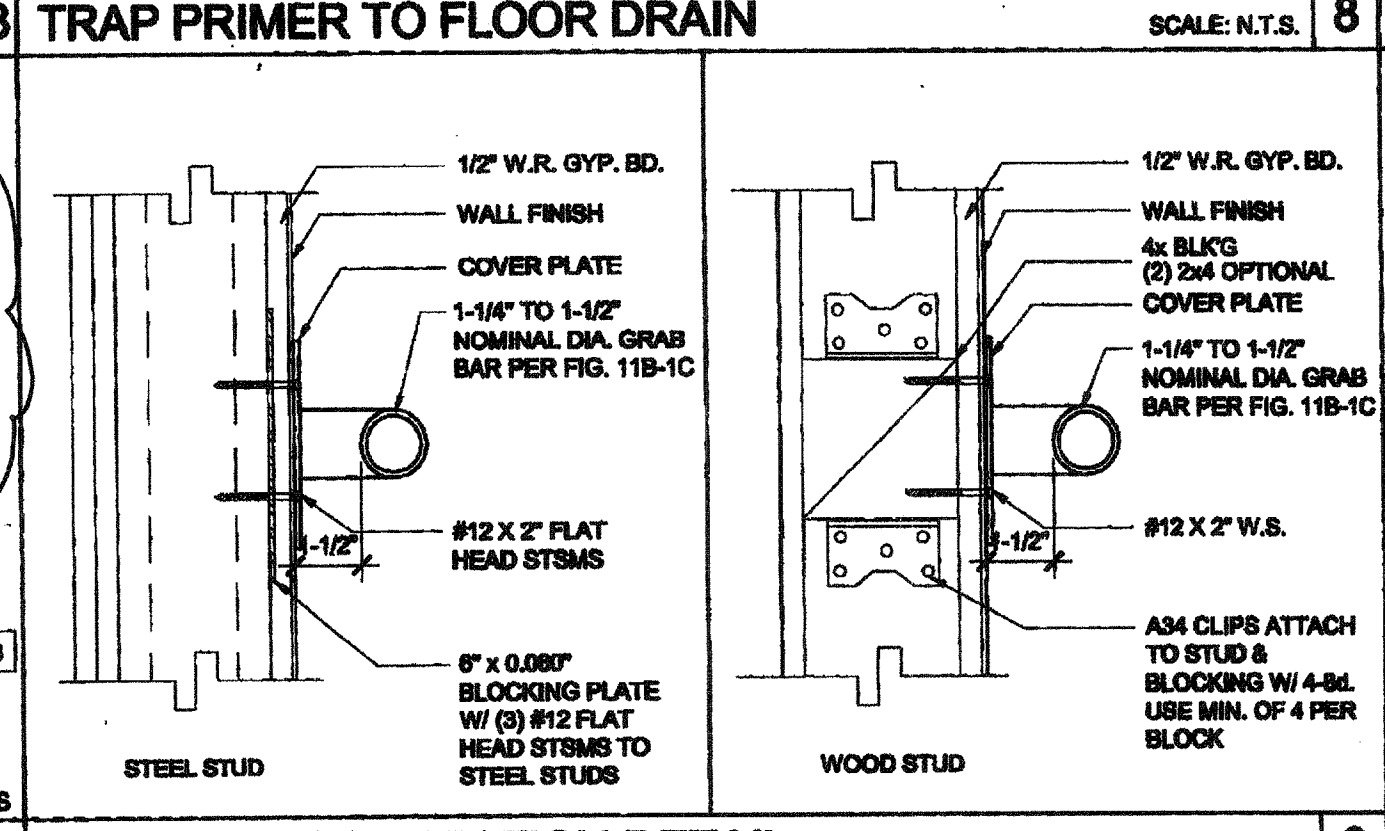
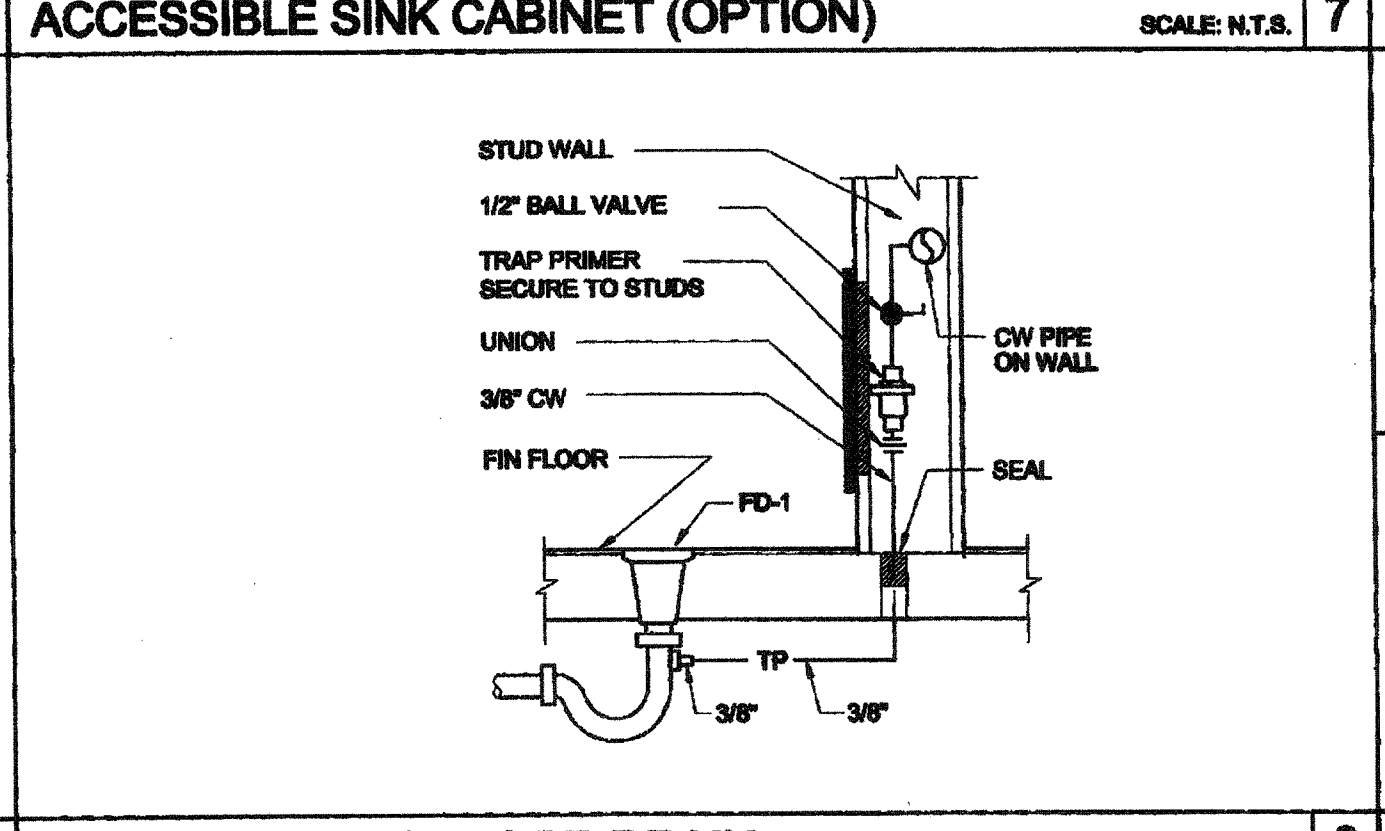
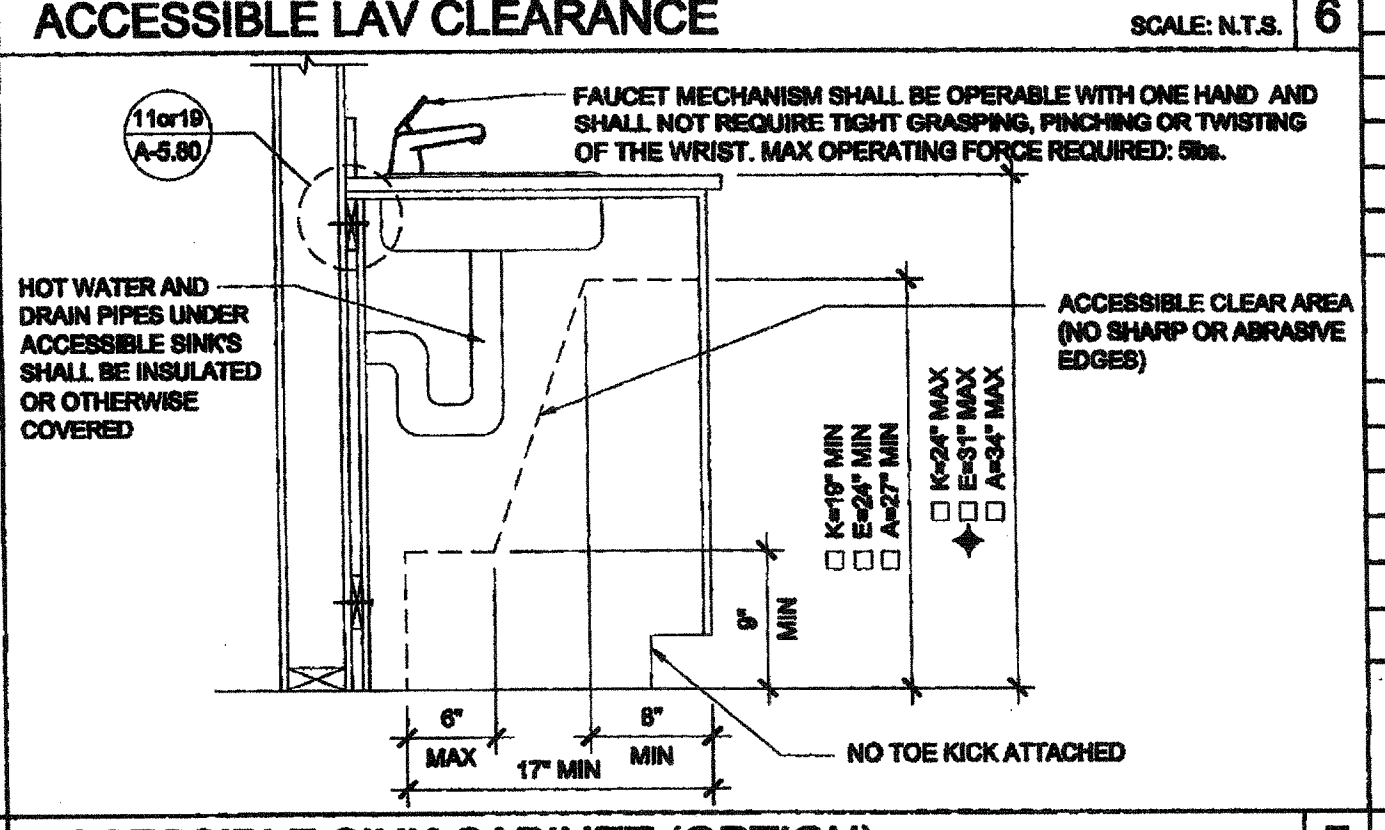
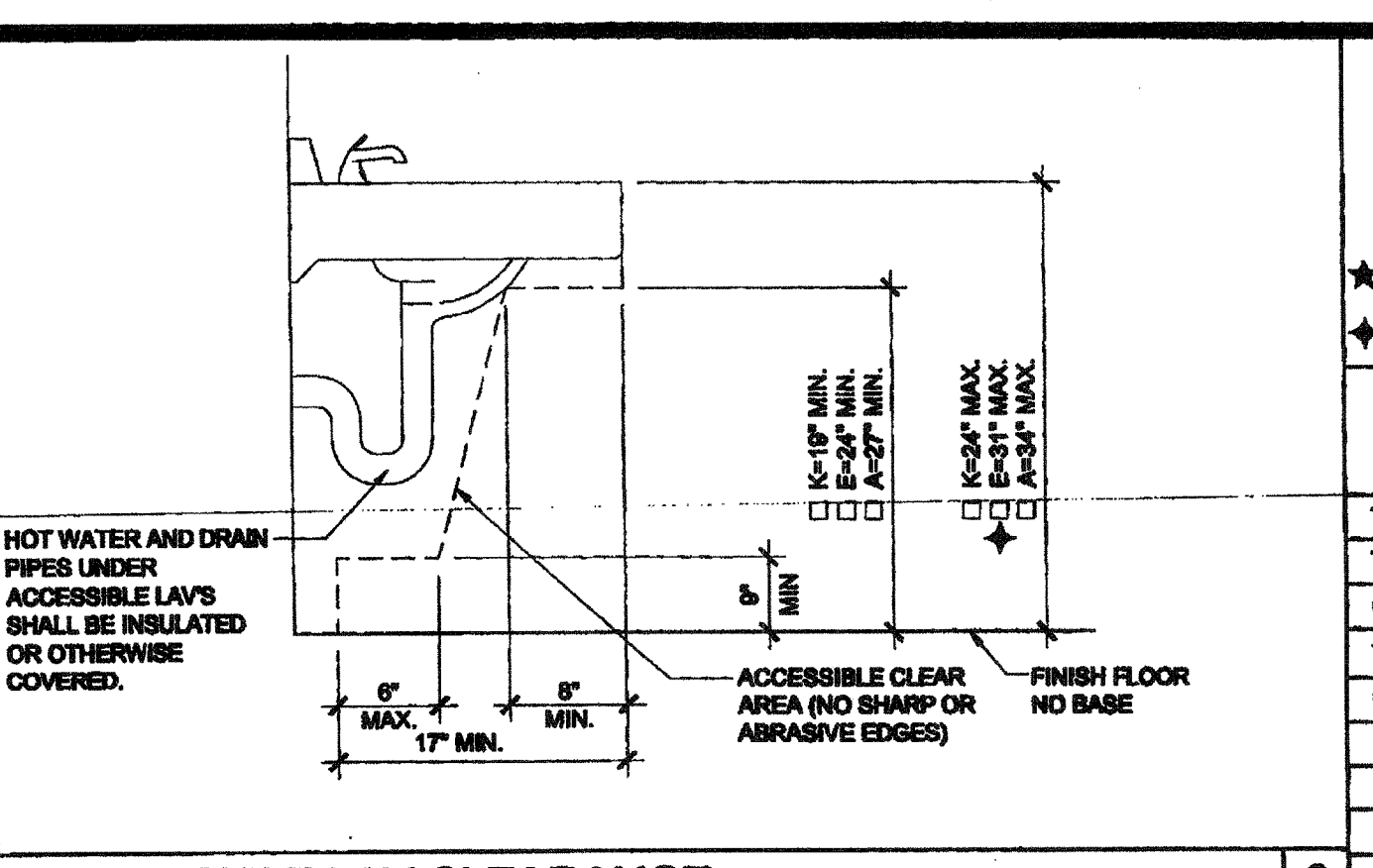
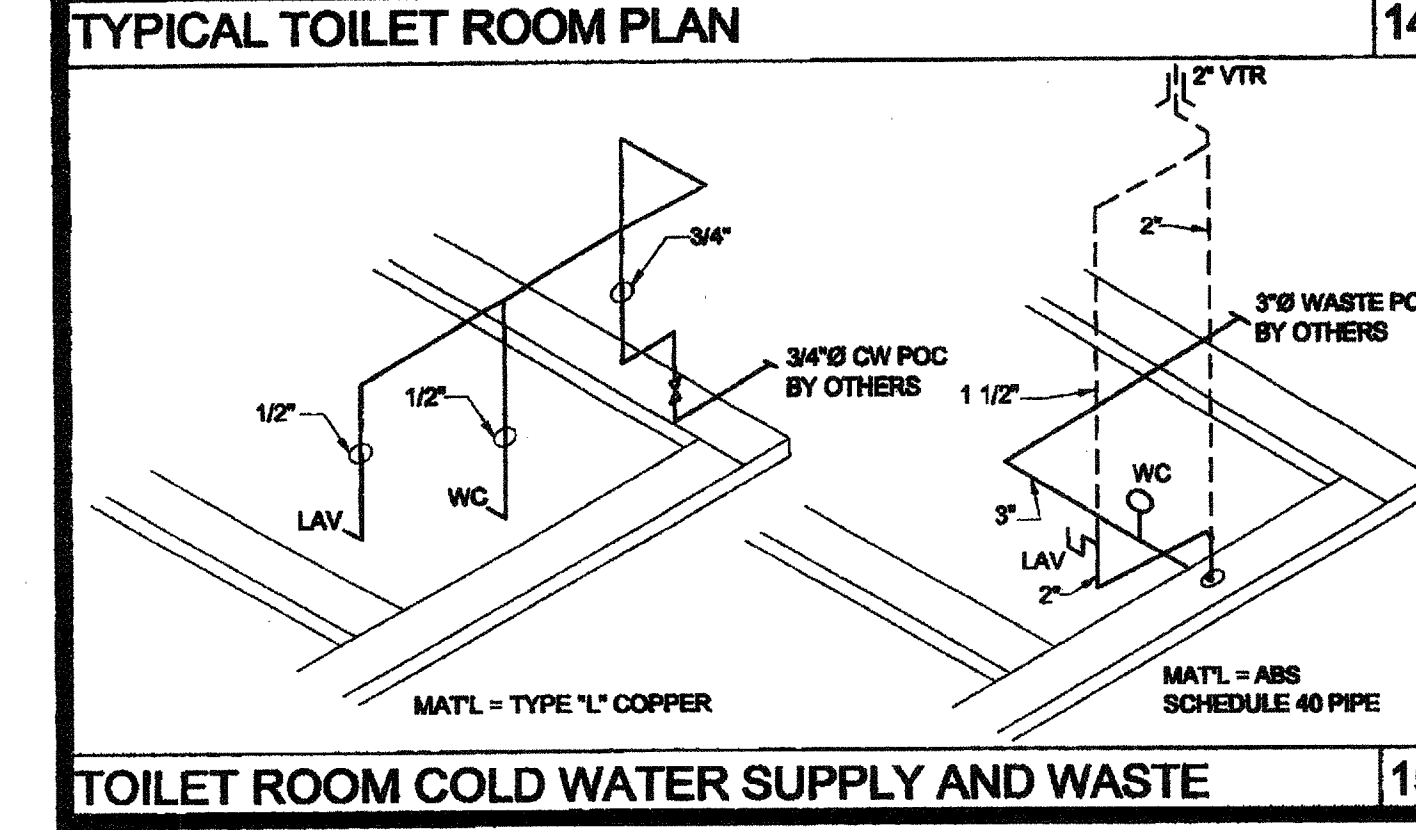
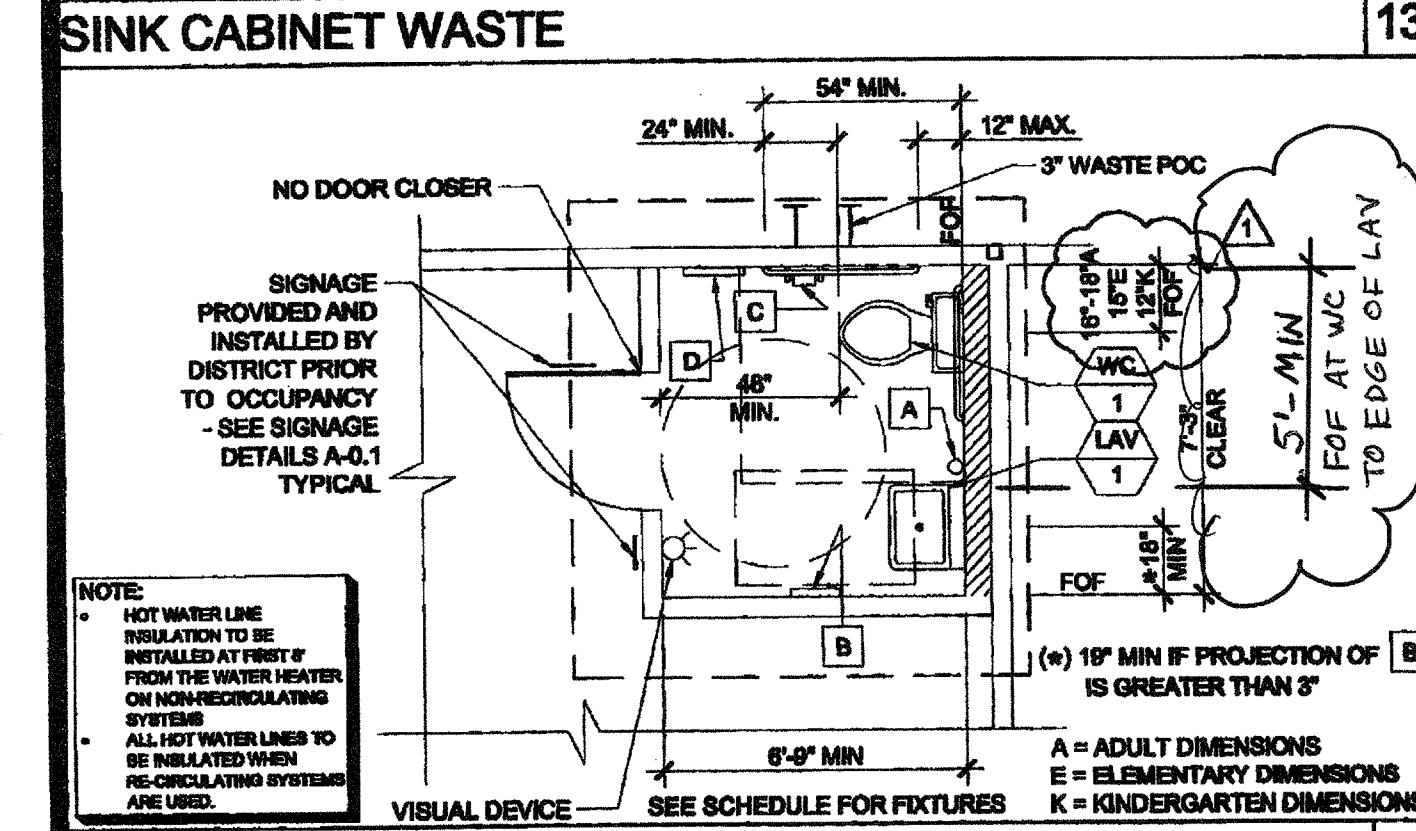
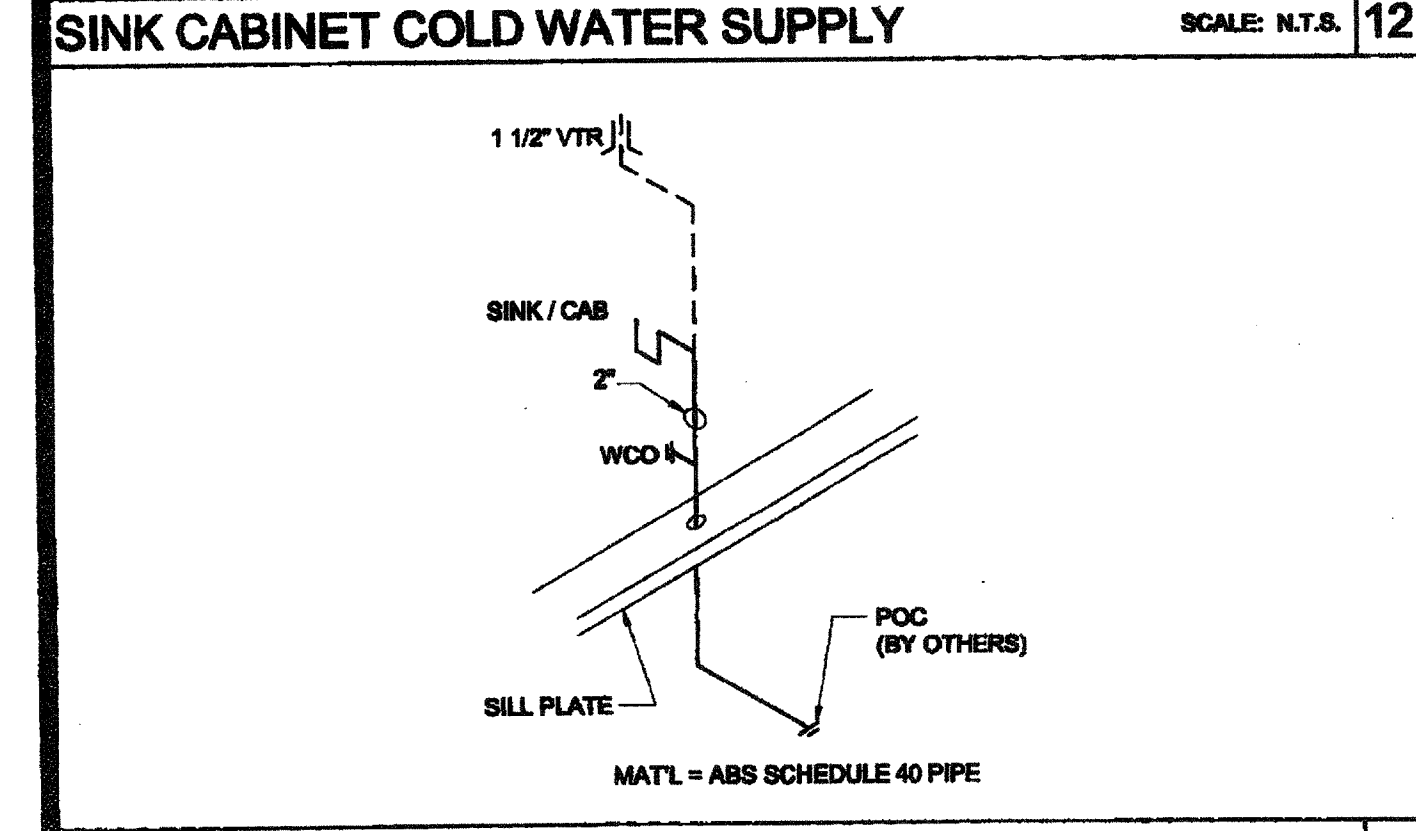
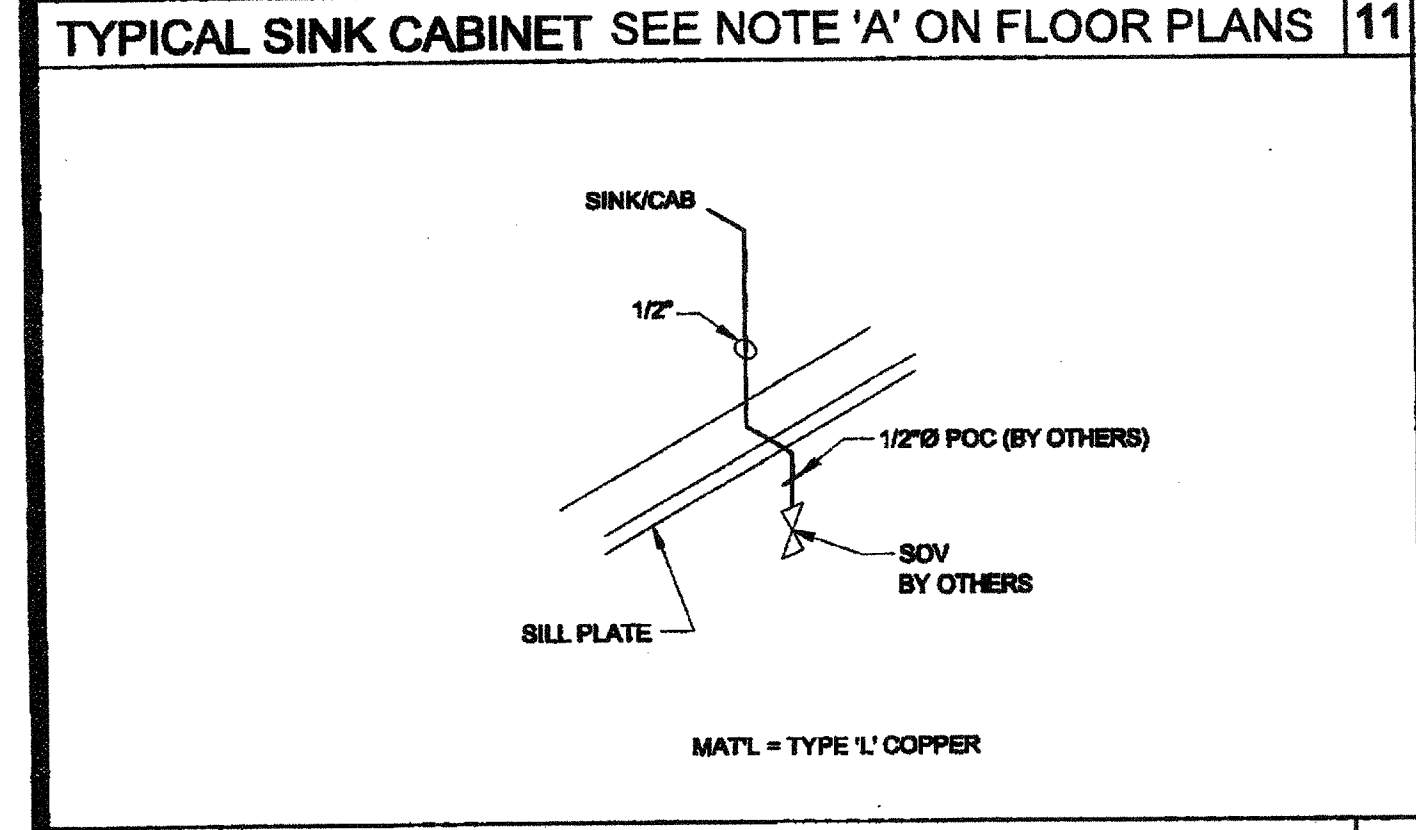
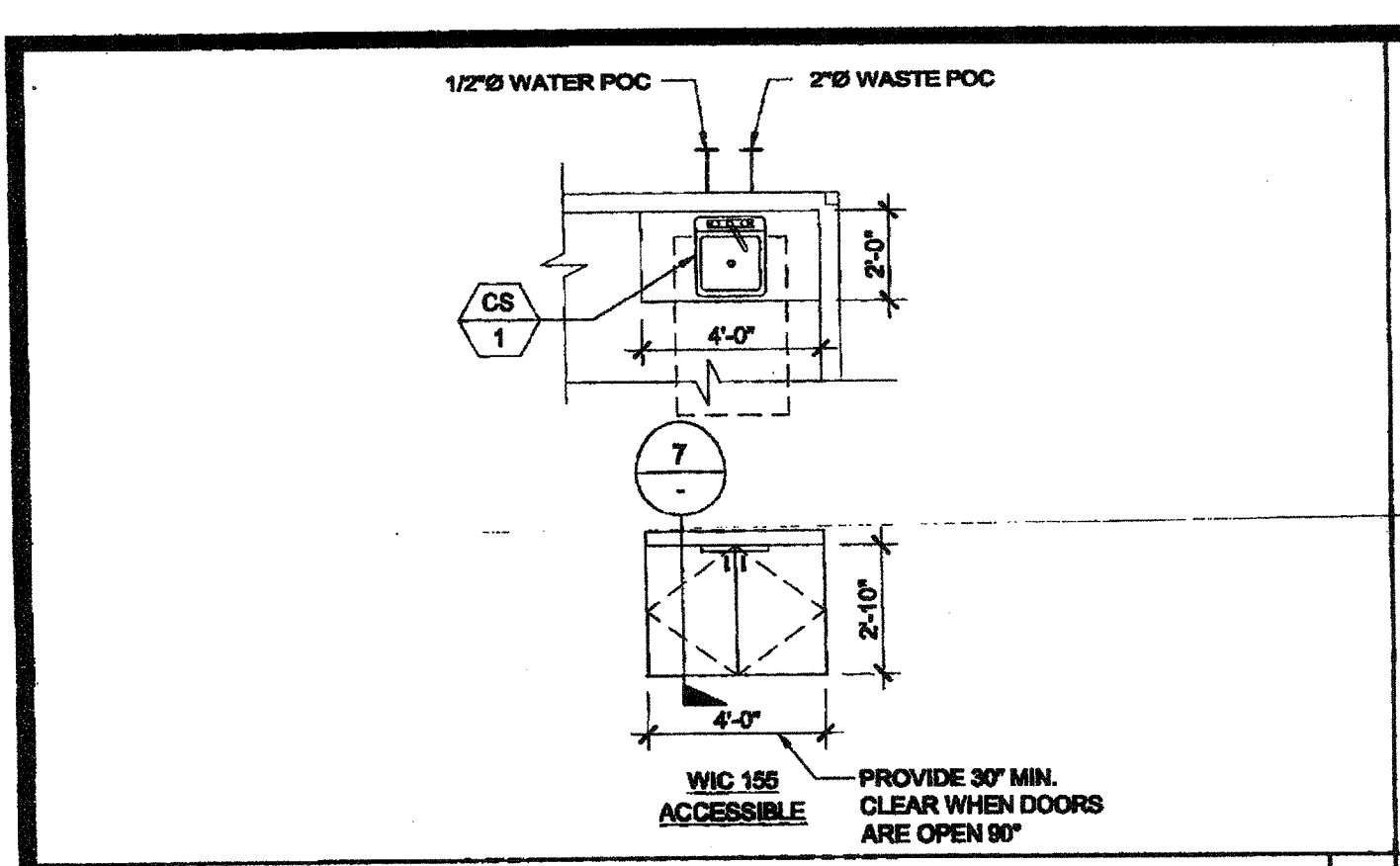
DATE: 6-17-11

P.C. SHEET NUMBER

S-5.11

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
03 117001  
AC: FLS BY: SS: FLL  
Date: 4/23/16





THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES RECOMMENDS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER OUR JURISDICTION. THESE RECOMMENDATIONS ARE BASED ON THE FEDERAL "RECOMMENDATIONS FOR ACCESSIBILITY IN CHILDREN IN ELEMENTARY SCHOOLS" AND OTHER RECOGNIZED PUBLICATIONS ON ACCESS FOR CHILDREN.

A = ADULT DIMENSIONS (AGE 12 AND OVER)  
E = ELEMENTARY DIMENSIONS  
K = KINDERGARTEN AND PRE-SCHOOL DIMENSIONS

FOR DIMENSIONS OF 14" MINIMUM TO 16" MAXIMUM FOR AN ACCESSIBLE TOILET SEAT HEIGHT CAN BE USED FOR ELEMENTARY SCHOOL FACILITIES, WHERE SUCH TOILETS ARE USED SOLELY BY CHILDREN AGE 12 AND UNDER DIMENSIONS OF 31" MAXIMUM TO THE RIM OR COUNTER SURFACE AT AN ACCESSIBLE LAVATORY, WHILE MAINTAINING A 24" MINIMUM FOR APRON AND KNEE CLEARANCE CAN BE USED FOR ACCESSIBLE LAVATORIES

TOILET CENTERING FROM WALL	RECOMMENDED ACCESSIBLE HEIGHT (DIMS)		
	A (INCHES)	E (INCHES)	K (INCHES)
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	18	15	12
TOILET SEAT HEIGHT (SIDE)	17-19	14-16	10-12
GRAB BAR HEIGHT (SIDE)	33	27	29-32
TOILET PAPER IN FRONT OF TOILET	71-91	71-91	71-91
NAPKIN DISPOSAL IN FRONT OF TOILET	12 MAX.	12 MAX.	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40 MAX.	36 MAX.	32 MAX.
DISPENSER HEIGHT	40 MAX.	36 MAX.	32 MAX.
LAVATORY/SINK TOP HEIGHT	34 MAX.	31 MAX.	24 MAX.
LAVATORY/SINK KNEE CLEARANCE	27 MIN.	24 MIN.	19 MIN.
URINAL LIP HEIGHT	17 MAX.	15 MAX.	13 MIN.
URINAL FLUSH HANDLE HEIGHT	44 MAX.	37 MAX.	32 MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36 MAX.	32 MAX.	30 MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27 MIN.	24 MIN.	22 MIN.
RAMP/STAIR HANDRAIL HEIGHT	34-38	27	22

TOILET CENTERING FROM WALL/PARTITION	RECOMMENDED SUGGESTED HEIGHT (DIMS)		
	A (INCHES)	E (INCHES)	K (INCHES)
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	15 MIN	15 MIN	10 MIN
TOILET SEAT HEIGHT (SIDE)	15	15	10
TOILET CLEARANCE (FRONT)	24	24	24
URINAL LIP HEIGHT	24	18	18
URINAL CENTER FROM WALL/PARTITION	12	12	12

PLUMBING ACCESSORIES (REF. ONLY - MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)

A SOAP DISPENSER: LIQUID SOAP DISPENSER  
B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCRUSCH INTO 30" MIN. CLEAR SPACE OF FIXTURE  
C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION  
D TOILET SEAT DISPENSER: SURFACE MOUNTED

PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 1	[A] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO ADA PFM403 ALT: AMERICAN STANDARD ADA 2786.126 1.28 GPF, 17" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE, 12" ROUGH-IN, OLSONITE 1000 SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 2	[E] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO STANDARD PFM300 ALT: AMERICAN STANDARD 2832.126, 16" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE, 12" ROUGH-IN, OLSONITE 1000 SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 3	[K] WATER CLOSET TANK TYPE (ACCESSIBLE & NON-ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO PFM7088 ALT: AMERICAN STANDARD 2815.016 BABY DEVORO 11" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE, OLSONITE 1000 SOLID OPEN WHITE ELONGATED PLASTIC SEAT
LAV 1	LAVATORY (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD: AMERICAN STANDARD 0886.012 LUCERNE ALT: CRANE 1412-20 "HARWICH" 20X18" VITREOUS CHINA; JAY R SMITH #722 CONCEALED HANGER VALVE #N1008S SINGLE HANDLE FAUCET (AMERICAN STANDARD 9141.011 TO BE USED @ KINDER & ELEMENTARY APPLICATIONS ONLY)
FD 1	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005/A-42-P08-NB, FLOOR DRAIN TAPPED FOR PRIMER, 5" NICKEL BRONZE STRAINER
TP 1	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"X12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP DU40 FRESH WATER DISTRIBUTION SYSTEM
GB 1	GRAB BAR	-	-	-	-	McKINNEY 9704-1-1/2 OC STAINLESS STEEL GRAB BAR - SATIN FINISH; 36" LONG ON BACK AND 42" ON SIDE
MR 1	MIRROR	-	-	-	-	SERIES 630 RETURNED MIRRORS STAINLESS STEEL - 18GA 18"X24" - "J" SHEET METAL MANUFACTURED OR APPROVED EQUAL
CS 1	CLASSROOM SINK	1/2"	1/2"	2"	1 1/2"	JUST CRA-1725-A-GR 17"X25" w/ 4 1/2" BOWL DEPTH WITH CHICAGO FAUCET #850 AND BUBBLER JSB-10
WH 1	WATER HEATER	3/4"	3/4"	-	-	<input type="checkbox"/> A.O. SMITH #DEL-6 (6 GALLON) <input type="checkbox"/> A.O. SMITH #DEL-10 (10 GALLON)
WH 2	INSTANT WATER HEATER	1/2"	1/2"	-	-	EEMAX #SP3012, 120V, 3.0KW, 25A
DF 1	DRINKING FOUNTAIN	1/2"	-	2"	1 1/2"	HALSEY-TAYLOR / BLEVEL HACFBBL-Q / COOLING TYPE
(A) = ADULT (E) = ELEMENTARY (K) = KINDERGARTEN						
WALL MOUNT						
URINALS						
3 TOILET FIXTURE MOUNTING HEIGHTS (ADULT DIMENSIONS)						
WALL MOUNT						
URINALS						
4 TOILET FIXTURE MOUNTING HEIGHTS (ELEM. DIMENSIONS)						
FLOOR MOUNT						
URINALS						
IDENTIFICATION STAMP * THE DSA HAS ALLOWED 1 1/2\"/>						
5 TOILET FIXTURE MOUNTING HEIGHTS (KINDER. DIMS)						

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**SILVER CREEK INDUSTRIES, INC.**

**SILVER CREEK**

195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME: CLASS LEASING CLASSROOMS BLDG'S

SHEET TITLE: PLUMBING DETAILS AND SCHEDULE

**STAVARES ASSOCIATES**

ARCHITECT OF RECORD  
SUBMISSION

SEP 10 2012

ARCHITECT OF RECORD  
SUBMISSION

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04 113850  
DATE AUG 28 2014

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-112070  
DATE JAN 08 2014

REVISIONS

PC REVISION 12/13/2012

SILVER CREEK INDUSTRIES  
30" x 36" PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

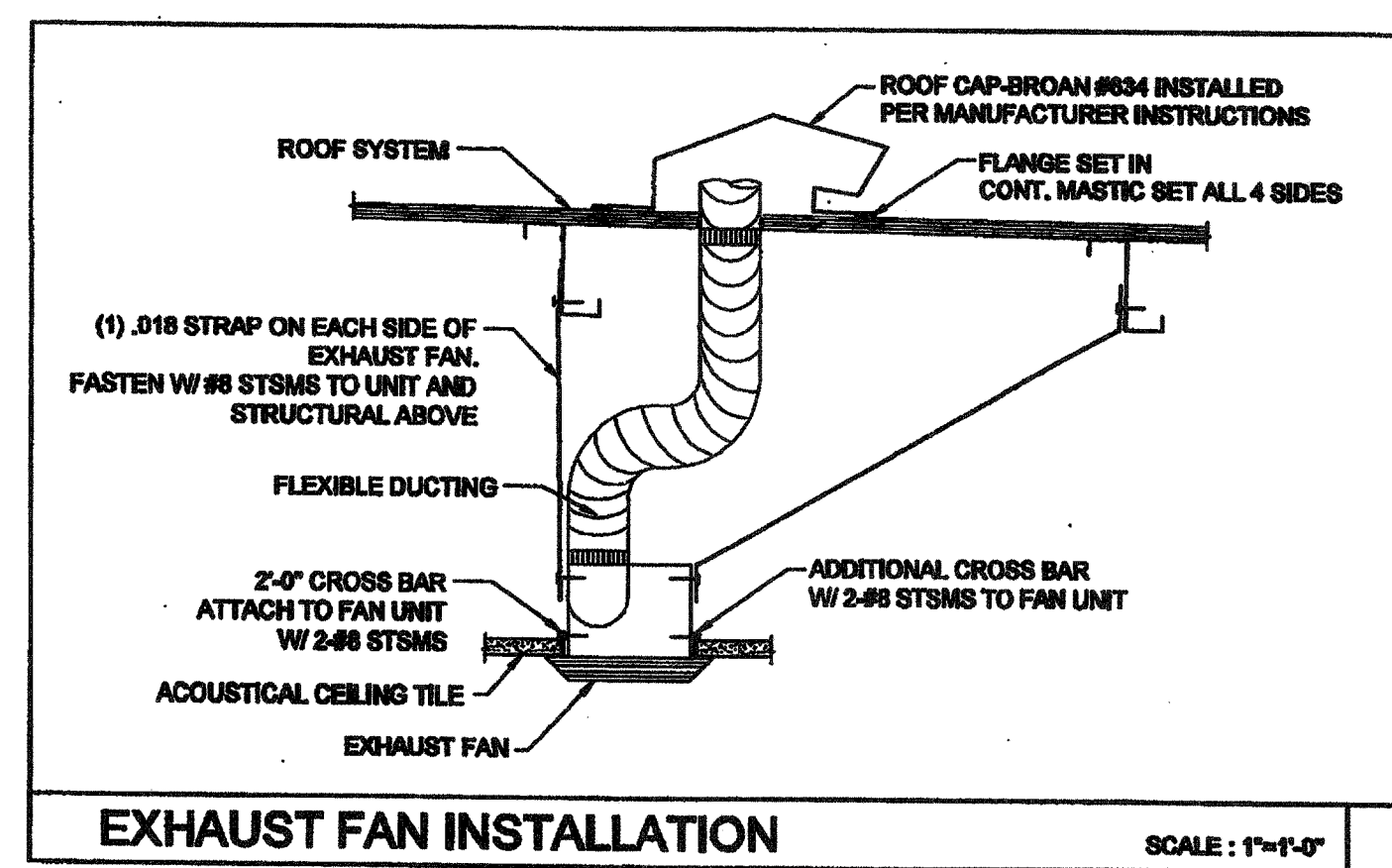
DATE: 12-12-12

P.C. SHEET NUMBER

**P-1.01**



LEGEND		
SYMBOL	ABB.	DESCRIPTION
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	CD	SUPPLY CEILING DIFFUSER
	CR	RETURN CEILING REGISTER
	ER	EXHAUST CEILING REGISTER
	VTR	VENT THRU ROOF
	FD	FIRE DAMPER
	MVD	MANUAL VOLUME DAMPER
	UC	UNDERCUT DOOR
	STAT	THERMOSTAT
	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION

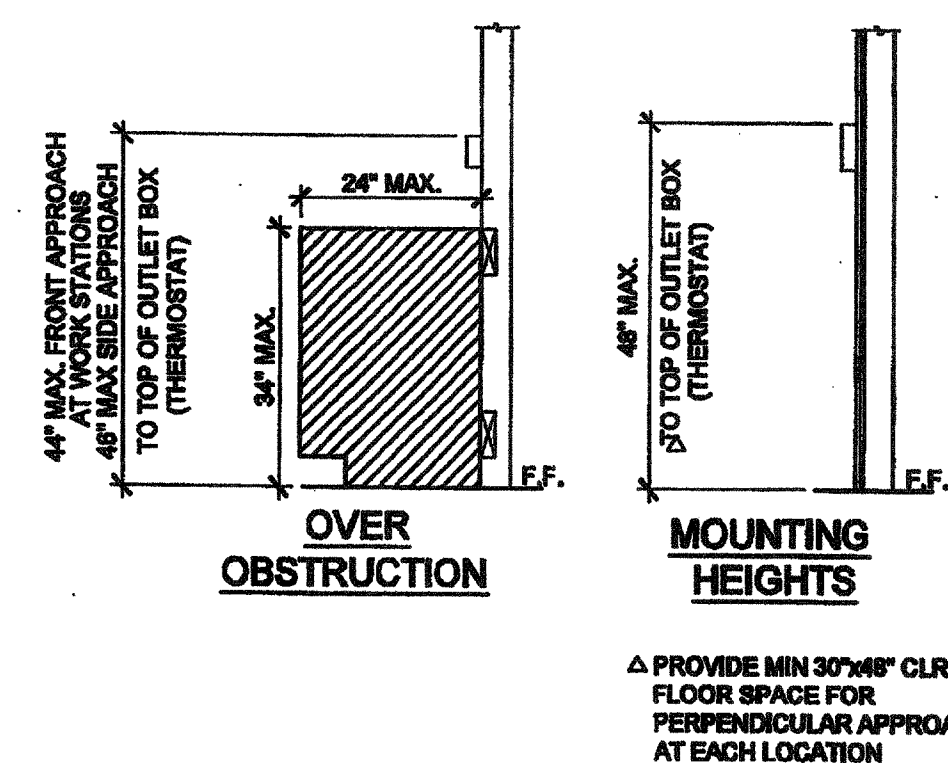
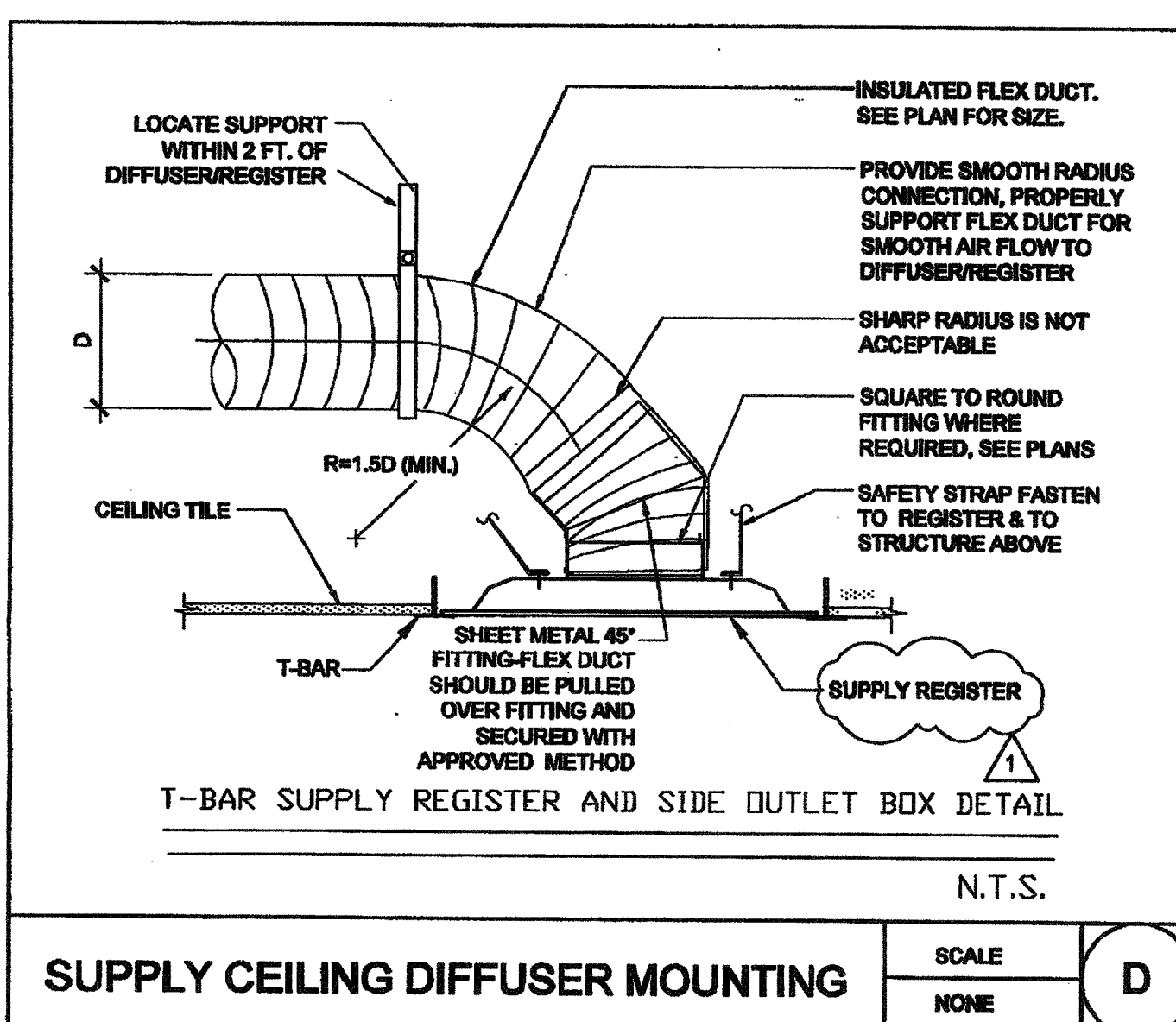


CEILING MOUNTED EXHAUST FAN SCHEDULE												
SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL			WGT.	REMARKS
								VOLTS	#	POWER		
EF 1	CEILING	TOILET EXHAUST	BROAN	676	100	4.0	0.25	120	1	158 WATTS	7 LBS.	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 2	CEILING	TOILET EXHAUST	BROAN	L100	109	1.0	0.25	120	1	67 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 3	CEILING	TOILET EXHAUST	BROAN	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 4	CEILING	TOILET EXHAUST	BROAN	L300	308	2.8	0.25	120	1	212 WATTS	23.10 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

OR APPROVED EQUAL.

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)			
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR SUPPLY	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw
	8"Ø	150 - 230	
	10"Ø	230 - 350	
	12"Ø	350 - 460	
16X16-4W	14"Ø	460 - 640	

PERFORATED FACE GRILLE SCHEDULE (RETURN)			
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR RETURN	6"Ø	0 - 230	Perforated face
	10"Ø	230 - 460	For lay-in T-bar ceilings use Shoemaker 105P with 24 ga., 45 deg. angle. (Sizes as shown on Mech Plan.)
	14"Ø	460 - 710	



## GENERAL NOTES

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 1815A.1.12 THROUGH 1815A.1.22 AND ASCE 7-05 CHAPTER 8 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.

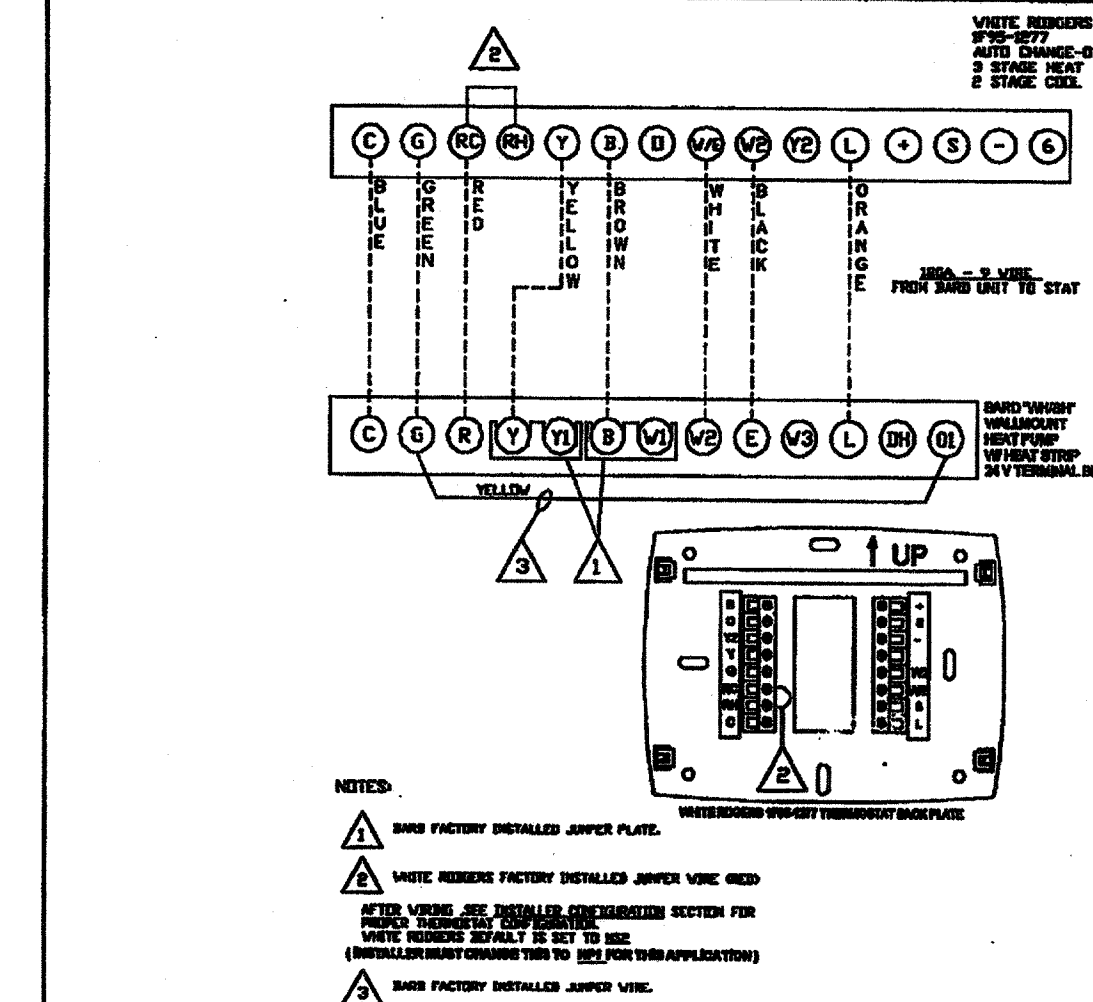
### PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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 13.6.5, 13.6.7, 13.6.5.6 AND 2010 CBC SECTIONS 1815A.1.20, 1815A.1.21 AND 1815A.1.22.

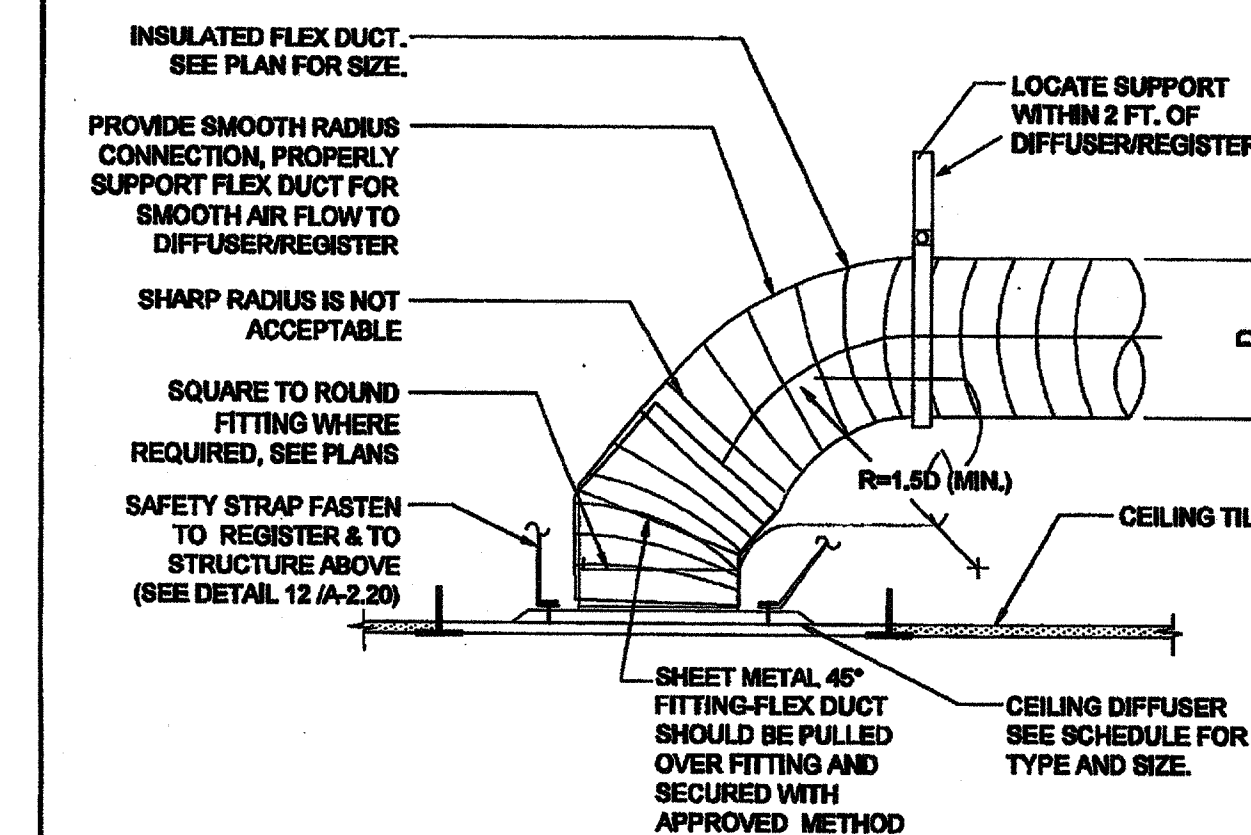
THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

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

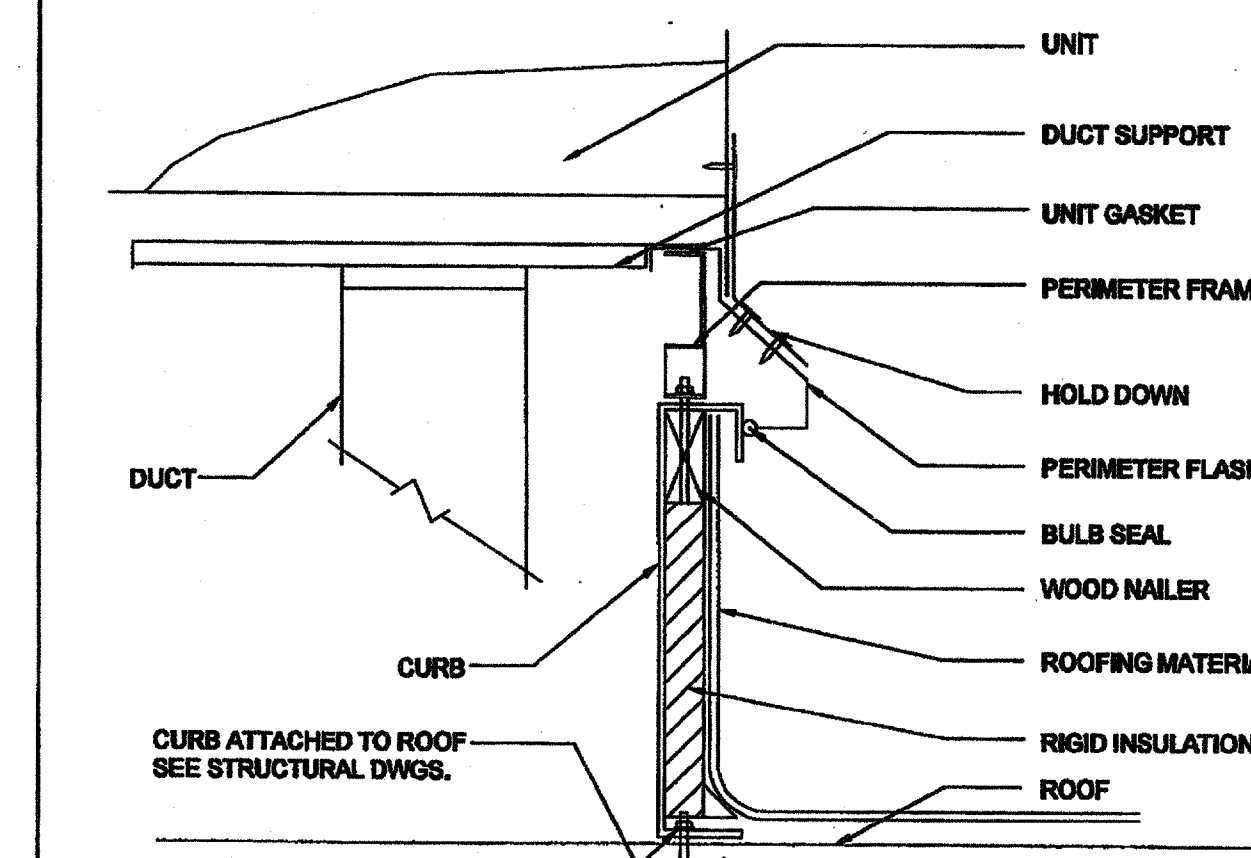
THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



## UNIT TO THERMOSTAT WIRING



## RETURN CEILING DIFFUSER MOUNTING



## A/C UNIT MOUNTING

BUILDING SIZES VARY. SEE KEY PLANS ON SHEET A-0.3 FOR APPROPRIATE HVAC TONNAGE PER BUILDING SIZE.

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DIV. OF THE STATE ARCHITECT

03 117001  
ACN FLS SS REL  
Date 4/20/16

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SILVER CREEK INDUSTRIES, INC.

**SILVER CREEK**  
"BUILDING FOR THE NEXT GENERATION"  
195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

SHEET TITLE:

MECHANICAL NOTES,  
SCHEDULES, & DETAILS

**TAVARES ASSOCIATES**  
REGISTERED ARCHITECT  
2010 CALIFORNIA ARCHITECTURE ACT  
2010 CALIFORNIA ARCHITECTURE ACT  
2010 CALIFORNIA ARCHITECTURE ACT

SEP 18 2012  
3330  
EXP. 3-31-2014

ARCHITECT OF RECORD  
SUBMISSION  
REGISTERED ARCHITECT  
ROBERT A. MONTELLA  
C10322  
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04 113850  
ACN FLS SS REL  
DATE AUG 28 2014

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT  
CODE 200 CBC  
A SEPARATE PROJECT APPLICATION  
FOR CONSTRUCTION IS REQUIRED  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-112070  
ACN FLS SS REL  
DATE JAN 08 2014

REVISED

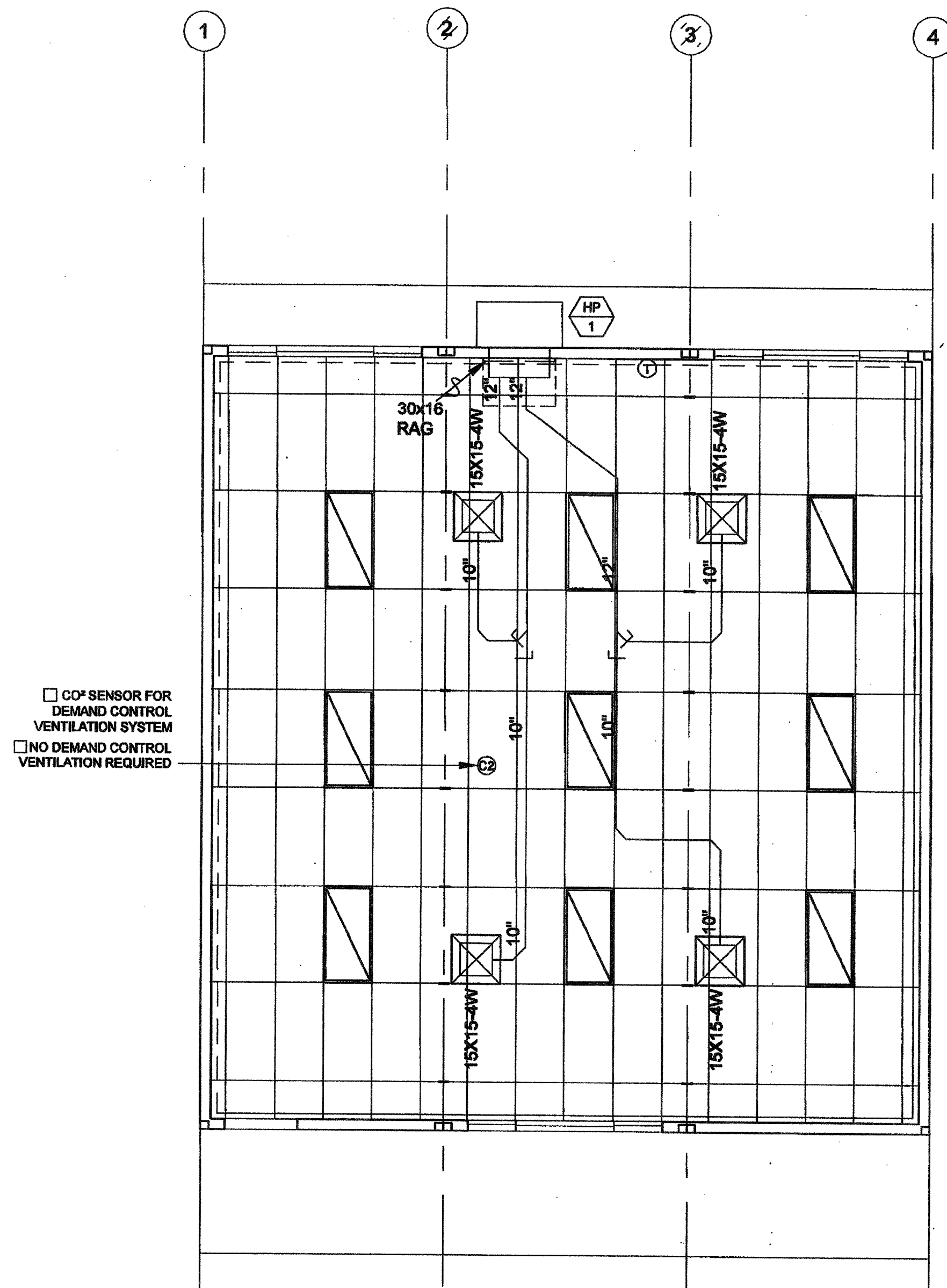
PC REVISION 09/14/2012

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 8-17-11  
P.C. SHEET NUMBER

M-0.1





MECHANICAL PLAN - STANDARD 3 LIGHT CONFIGURATION

SCALE: 1/4" = 1'-0" 1

10 SEER			
SINGLE PACKAGE WALL MOUNTED HEAT PUMP SCHEDULE			
ITEM	STANDARD	OPTION #1	OPTION #2
UNIT NO.	HP-1	HP-1	HP-1
LOCATION	WALL	WALL	WALL
NOMINAL CAPACITY	4.0 TONS	3.5 TONS	5.0 TONS
MANUFACTURER	BARD	BARD	BARD
R410a MODELS	W48H*-A04	W42H*-A04	W60H*-A05
TYPE	HEAT PUMP	HEAT PUMP	HEAT PUMP
INDOOR BLOWER MOTOR	C.F.M.	1500	1500
	EXT S.P. H2O	0.3	0.3
	R.P.M.	1070	1070
	DRIVE	DIRECT	DIRECT
UNIT ELEC	MCA	58	57
	MOCP	60	60/30
	VOLTS	208/230	208/230
	PH/Hz	1Ø/60	1Ø/60
	WIRE SIZE	#6	#6/#10
ENT. AIR DB/WB °F	80/67	80/67	80/67
COOL CAP. BTUH @ 95°F	35,800	32,700	39,800
TOTAL	46,000	42,000	54,000
HEATING CAP. BTUH @ 47°F	44,000	42,000	54,000
DISPOSABLE FILTERS NUMBER AND SIZE	(1)20X30X2	(1)20X30X2	(1)20X30X2
WT LBS.	510	510	520
REMARKS:			
AUTOCHANGE-OVER T'STAT, OUTSIDE AIR INTAKE & EXHAUST, 4 OR 5 KW AUX. ELECTRIC STRIP HEATER.			
MINIMUM OUTSIDE AIR = 15 CFM PER OCCUPANT = 450 CFM			
EFFICIENCY CERTIFIED TO ARI STANDARD 390-2003 FOR SPVU.			
EER = 9.0; COP = 3.0			

12 SEER			
SINGLE PACKAGE WALL MOUNTED HEAT PUMP SCHEDULE			
ITEM	STANDARD	OPTION #1	OPTION #2
UNIT NO.	HP-1	HP-1	HP-1
LOCATION	WALL	WALL	WALL
NOMINAL CAPACITY	4.0 TONS	3.5 TONS	5.0 TONS
MANUFACTURER	BARD	BARD	BARD
R410a MODELS	W48H*-A04	W43H*-A04	W61H*-A05
TYPE	HEAT PUMP	HEAT PUMP	HEAT PUMP
INDOOR BLOWER MOTOR	C.F.M.	1400	1250
	EXT S.P. H2O	0.2	0.15
	R.P.M.	VARIABLE	VARIABLE
	DRIVE	ECM-DIRECT	ECM-DIRECT
UNIT ELEC	MCA	58	55
	MOCP	60	60/30
	VOLTS	208/230	208/230
	PH/Hz	1Ø/60	1Ø/60
	WIRE SIZE	#6	#6/#10
ENT. AIR DB/WB °F	80/67	80/67	80/67
COOL CAP. BTUH @ 95°F	35,200	31,300	37,600
TOTAL	47,000	42,000	55,000
HEATING CAP. BTUH @ 47°F	45,000	39,000	52,000
DISPOSABLE FILTERS NUMBER AND SIZE	(1)20X30X2	(1)20X30X2	(1)20X30X2
WT LBS.	510	510	520
REMARKS:			
AUTOCHANGE-OVER T'STAT, OUTSIDE AIR INTAKE & EXHAUST, 4 or 5 KW AUX. ELECTRIC STRIP HEATER.			
MINIMUM OUTSIDE AIR = 15 CFM PER OCCUPANT = 450 CFM			
EFFICIENCY CERTIFIED TO ARI STANDARD 390-2003 FOR SPVU.			
EER = 10.0; COP = 3.0			

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 DIV. OF THE STATE ARCHITECT  
 03 117001  
 AC: [Signature] FLS: [Signature] SS: [Signature]  
 Date: 4/20/16

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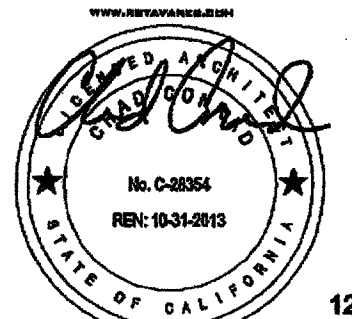
195 EAST MORGAN PERRIS, CALIFORNIA 92571  
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
 CLASSROOMS BLDG'S

SHEET TITLE:

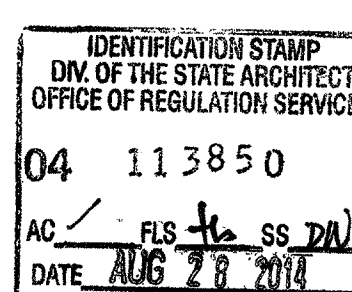
MECHANICAL PLAN  
 WALL MOUNT  
 30' x 32'



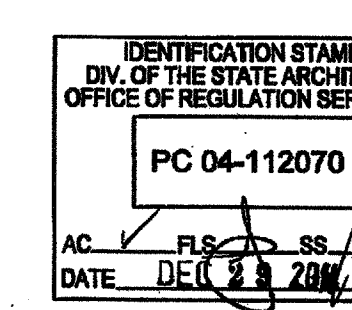
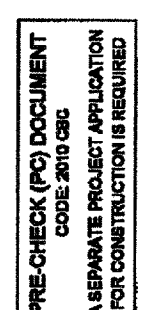
ARCHITECT OF RECORD  
 SUBMISSION DATED:



PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

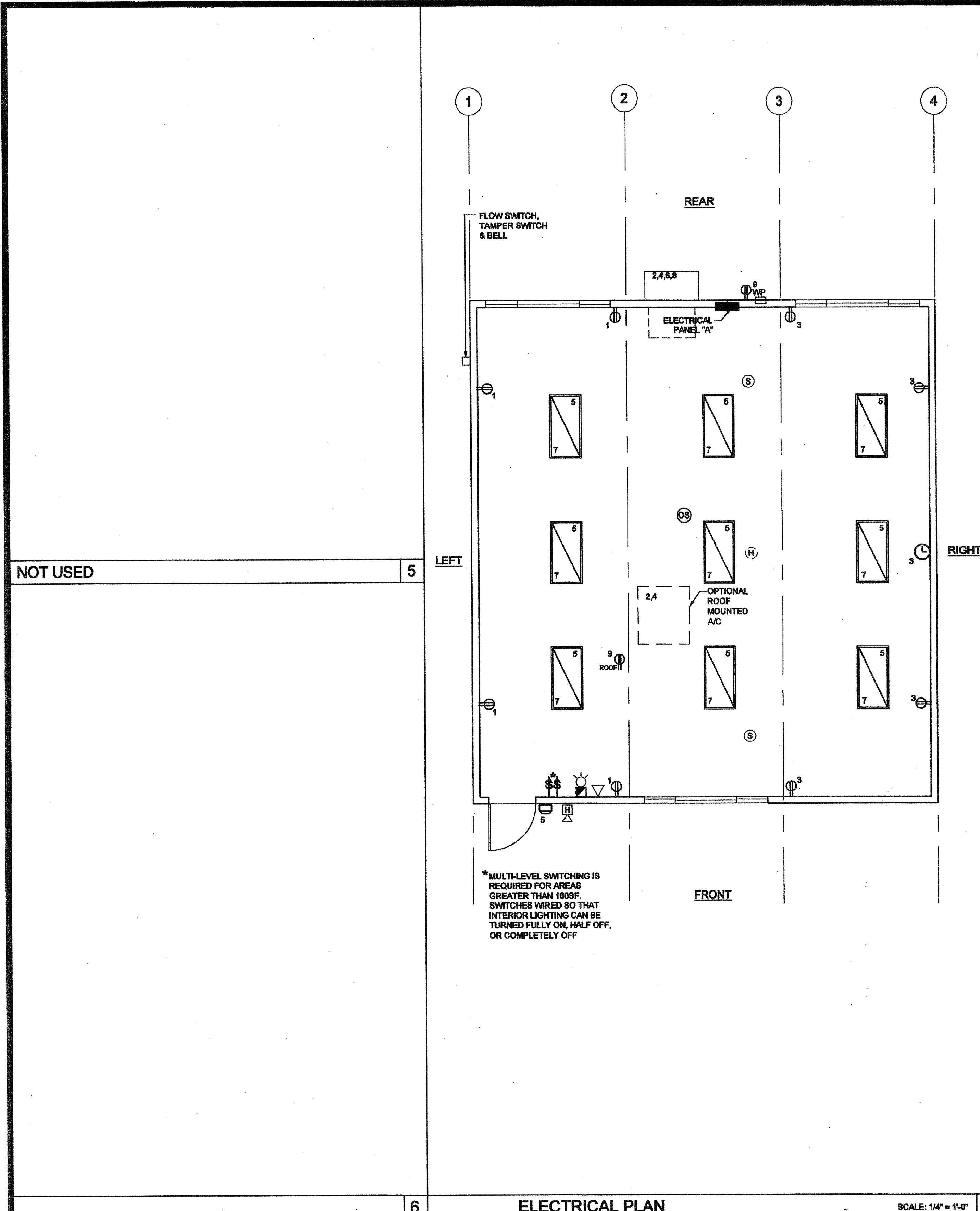

SILVER CREEK INDUSTRIES  
 30' x 32' PC

PROJECT NO:  
 DRAWN BY:  
 SCALE: AS NOTED  
 DATE: 6-17-11

P.C. SHEET NUMBER

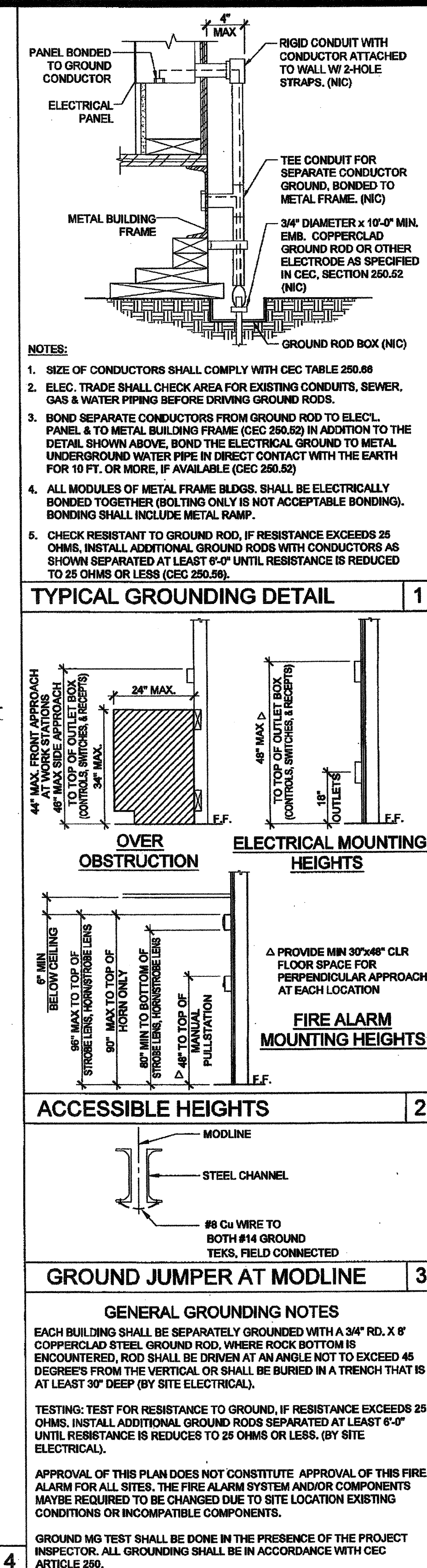
M-1.01





ELECTRICAL PANEL									
WALL MOUNTED HVAC									
VOLTS: 120/208 V		PANEL: "A"		FEED: REAR		VOLTS: 120/208 V		PANEL: "A"	
MAIN: 100 A		LOCATION: INTERIOR ACCESS		MOUNTING: FLUSH		MAIN: 100 A		LOCATION: INTERIOR ACCESS	
LOAD		QTY	WATTS	BREAKER	AMPS	QTY	WATTS	BREAKER	AMPS
RECEPTACLES		4	720	20	1	TON HVAC - WALL MOUNT		1	8400
RECEPTACLES/CLOCK		5	720	20	1	RECEPTACLES/CLOCK		5	720
INTERIOR AND EXTERIOR LIGHTING		13	690	20	1	INTERIOR AND EXTERIOR LIGHTING		13	690
INTERIOR LIGHTING		12	630	20	1	INTERIOR LIGHTING		12	630
GFI RECEPTACLE		1	180	20	1	ROOF RECEPTACLE		1	180
A = 8430		WATTS / PHASE	1590	1350		ALARM			
TOTAL = 16,860		WATTS	70.0	AMPS	120/208	B = 8230		WATTS / PHASE	100

ELECTRICAL PANEL									
ROOF MOUNTED HVAC									
VOLTS: 120/208 V		PANEL: "A"		FEED: REAR		VOLTS: 120/208 V		PANEL: "A"	
MAIN: 100 A		LOCATION: INTERIOR ACCESS		MOUNTING: FLUSH		MAIN: 100 A		LOCATION: INTERIOR ACCESS	
LOAD		QTY	WATTS	BREAKER	AMPS	LOAD		QTY	WATTS
RECEPTACLES		4	720	20	1	TON HVAC - ROOF MOUNT (R-410a)		1	8400
RECEPTACLES/CLOCK		5	720	20	1	RECEPTACLES/CLOCK		5	720
INTERIOR AND EXTERIOR LIGHTING		13	690	20	1	INTERIOR AND EXTERIOR LIGHTING		13	690
INTERIOR LIGHTING		12	630	20	1	INTERIOR LIGHTING		12	630
ROOF RECEPTACLE		1	180	20	1	ROOF RECEPTACLE		1	180
A = 5870		WATTS / PHASE	1590	1350		ALARM			
TOTAL = 11,540		WATTS	48.0	AMPS	120/208	B = 5670		WATTS / PHASE	100



SCHOOL EQUIPMENT ANCHORAGE									
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.									
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.									
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.									
3. 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.									
A. 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.									
B. 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 13.6.5, 13.6.7, 13.6.5.5 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 CSHPD 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 AN 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.									
FIRE ALARM NOTES									
1. SMOKE AND HEAT DETECTOR SHALL BE CONNECTED TO FIRE ALARM SYSTEM BY OTHERS.									
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72 4.4.1.4.2.2									
CONDUIT FILL AND CONDUCTOR CAPACITY TABLE									
(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75°C COPPER)									
WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED	1/2" C	3/4" C	1" C	1 1/4" C	1 1/2" C	2" C
#12	20A	THHN	9	16	25	45			
#10	30A	THHN	5	10	16	28			
#8	45A	THHN	2	5	8	14			
#6	65A	THHN	1	3	5	10			
#4	85A	THHN	1	2	4	7			
JUNCTION BOX SIZE TABLE									
BOX SIZE	CU. IN.	MAX NO. OF CONDUCTORS	#12	#10	#8	#6			
4SS 1 1/4" x 4" SQ	18.0	8	7	6	0				
4S 1 1/2" x 4" SQ	21.0	9	8	7	0				
4SD 2 1/8" x 4" SQ	30.3	13	12	10	6				
4SK 2 7/8" x 4" SQ	43.5	23	21	17	10				
6SD 2 1/8" x 4 1/16" SQ	42.0	18	16	14	8				
6SX 3 7/8" x 4 1/16" SQ	66.0	38	34	28	17				
66A 4" x 6" SQ	144.0	64	57	48	28				
* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX									

LEGEND									
2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH ELECTRONIC BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.141K.C4 WATTAGE: 32W T8 (48"LG) OR EQUAL									
OPTIONAL 1x4 CEILING LIGHT WITH (1) T-8 LAMP, LAY-IN FLUORESCENT LIGHT FIXTURE WITH ELECTRONIC BALLAST									
WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS									
ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS									
ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT									
DUAL CEILING OCCUPANCY SENSOR. WATTSTOPPER DT-300 OR EQUAL. SENSOR TO BE CONNECTED TO LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR OPEN ROOM OVER 100 SQ FT W/ (2) CIRCUITS.									
ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYSwitch SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.									
SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF. AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.									
DUAL SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-200 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF. AND USE FOR OPEN ROOM OVER 100 SQ FT W/ (2) CIRCUITS.									
LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX									
3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX									
DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE									
EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)									
GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS									
ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE									
EXTERIOR LIGHT FIXTURE. MOUNT AT +90" AFF									
CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE									
EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL									
4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING									
4SD J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" TO 98" AFF WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING									
4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT TO FIRE ALARM BACKBOX WITH PULLSTRING									
RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING									
4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). DETECTORS SHALL BE PLACED SO THAT THERE IS A DETECTOR WITHIN 15'-0" FROM ADJACENT WALL(S), AND 21'-0" FROM ANY POINT IN ROOM. DETECTORS SHALL BE PLACED 30'-0" O.C. MAX. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. PROVIDE 3/4" CONDUIT FROM J-BOX TO FIRE ALARM BACKBOX WITH PULLSTRING (ALARM NOTE #1)									
4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). DETECTORS SHALL BE PLACED SO THAT THERE IS A DETECTOR WITHIN 25'-0" FROM ADJACENT WALL(S), 35'-0" FROM ANY POINT IN ATTIC. DETECTORS SHALL BE PLACED 50'-0" O.C. MAX. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. PROVIDE 3/4" CONDUIT FROM J-BOX TO FIRE ALARM BACKBOX WITH PULLSTRING (ALARM NOTE #1)									
4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT									
100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH									
2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH ELECTRONIC BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.141K.C4 WATTAGE: 32W T8 (48"LG) OR EQUAL									
EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE WIRED SUCH THAT WHEN THE FIXTURE IS BEING OPERATED USING BATTERY POWER THE LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.									
OPTIONAL 4SD J-BOX W/ 3/4" CONDUIT INTO ATTIC SPACE HEIGHTS TO BE DETERMINED BY OTHERS									

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**SILVER CREEK INDUSTRIES, INC.**

"BUILDING FOR THE NEXT GENERATION"

195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**CLASS LEASING CLASSROOMS BLDG'S**

SHEET TITLE:

**ELECTRICAL PLAN AND SCHEDULE**  
30' x 32'

**STAVARES ASSOCIATES**  
REGISTERED ARCHITECT  
No. C-20554  
Exp. 10-31-2019  
12/23/2011

ARCHITECT OF RECORD SUBMISSION

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
04 113850  
DATE AUG 28 2014

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 04-112070  
DATE DEC 2 2014

REVISIONS

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:

DRAWN BY:

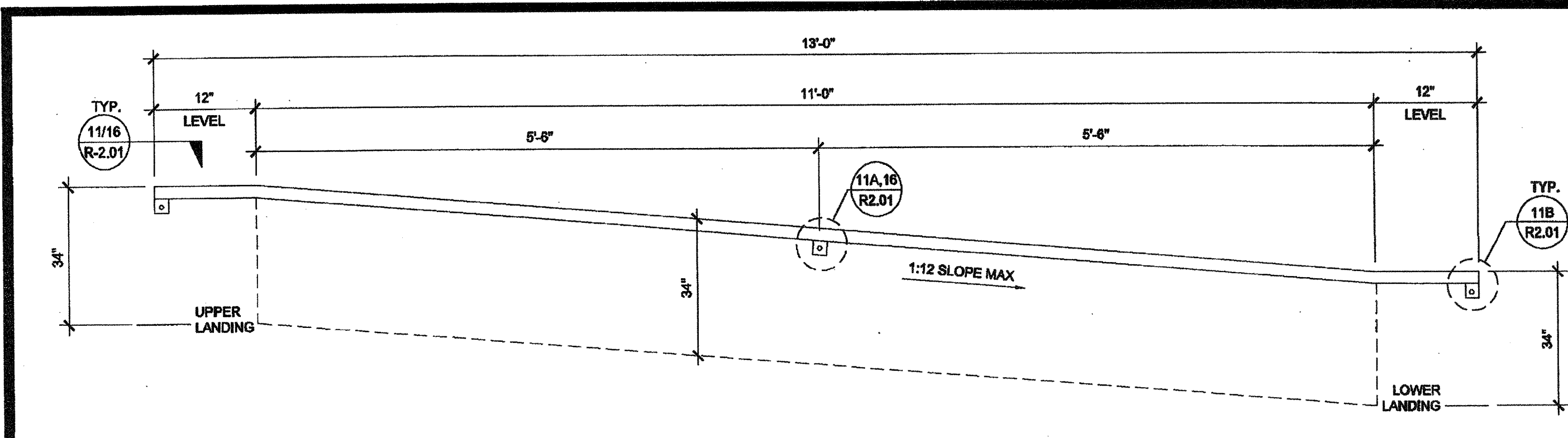
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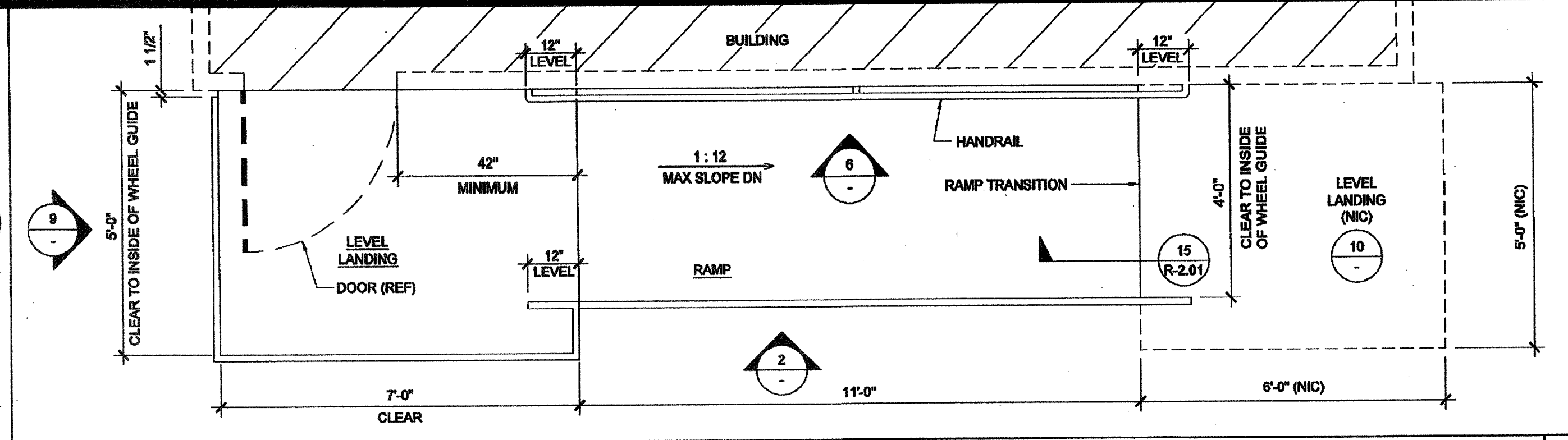
P.C. SHEET NUMBER

**E-1.01**

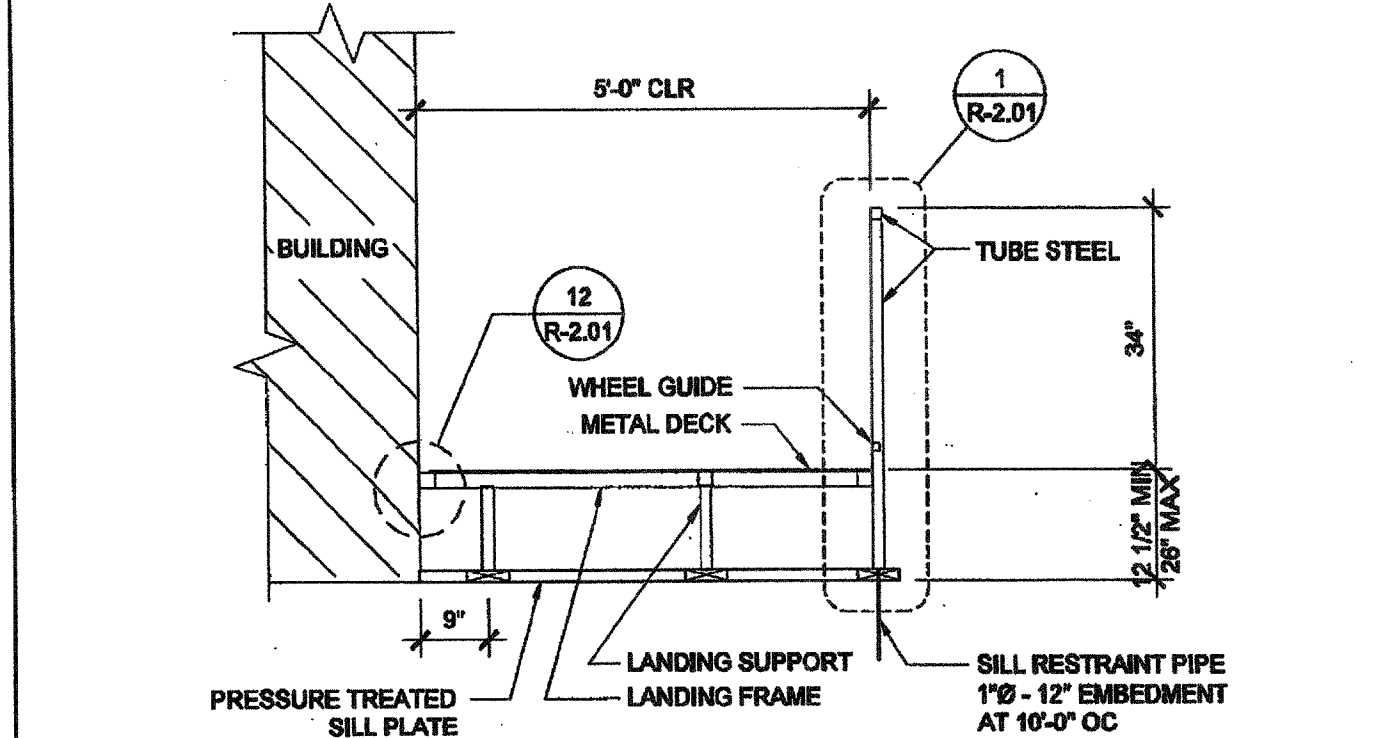
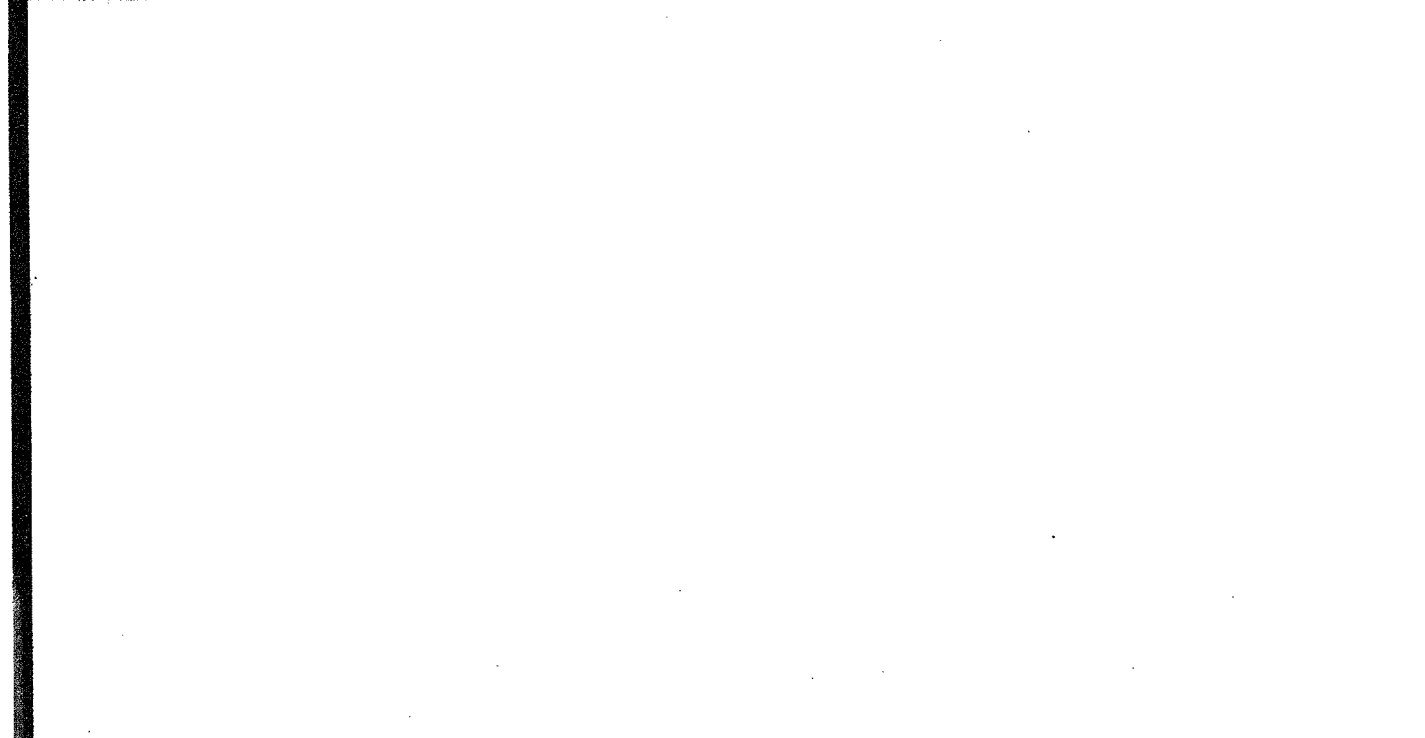




11 HANDRAIL ATTACHMENT TO BUILDING SCALE: 1" = 1'-0"

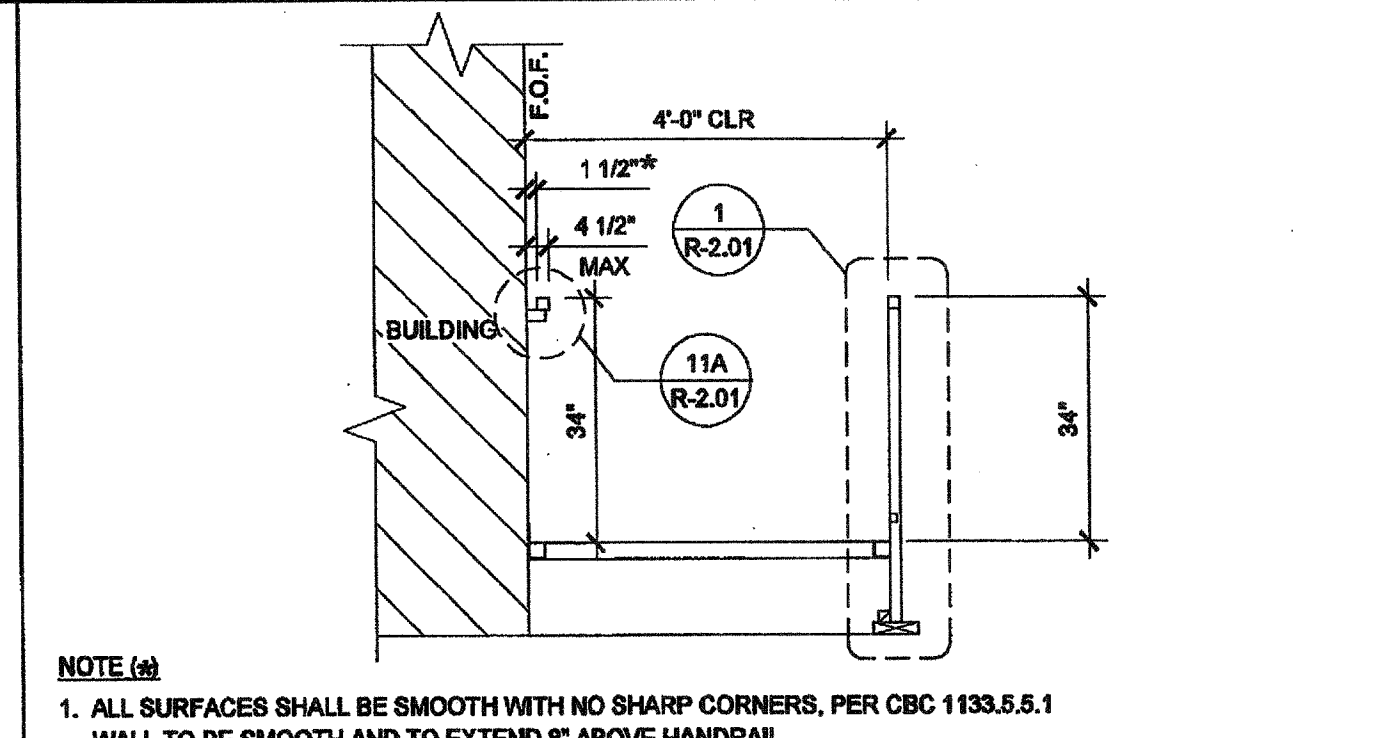
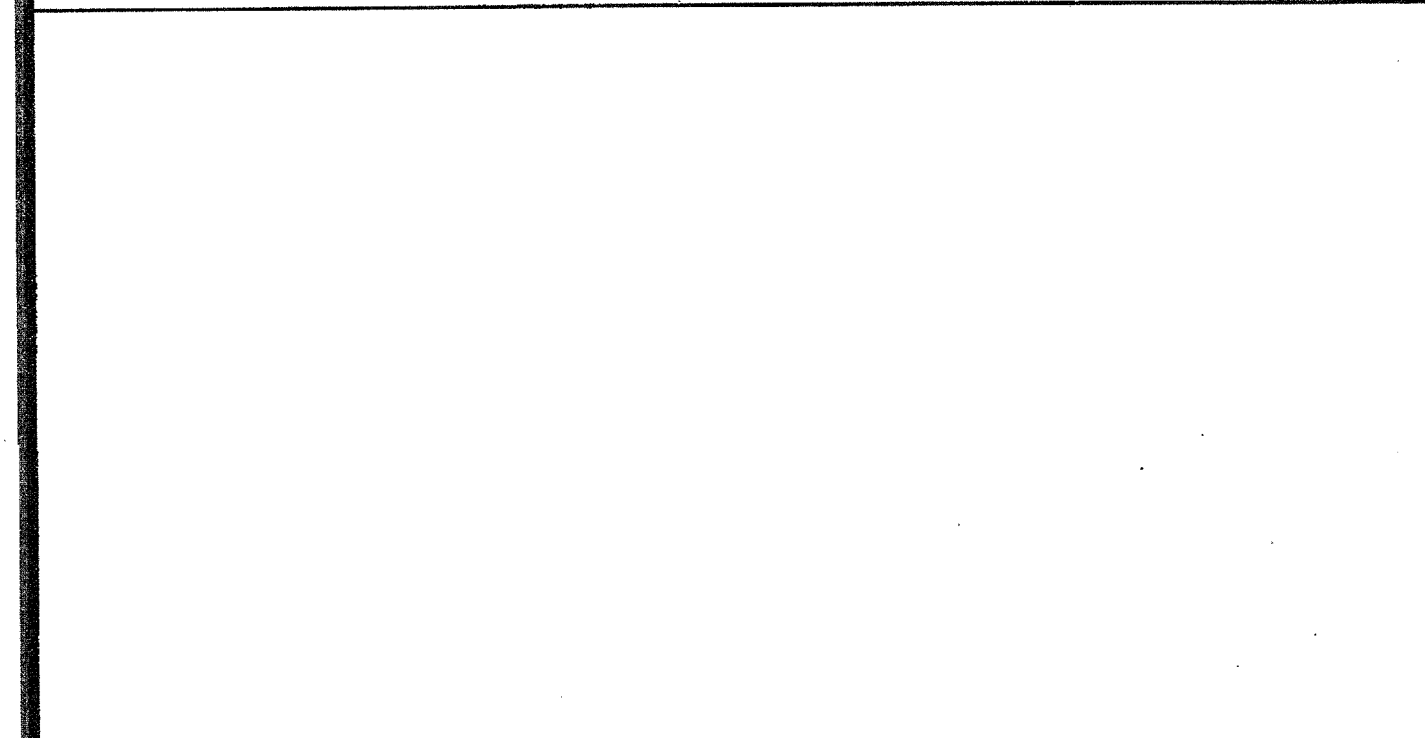


6 RAMP AND LANDING AT BUILDING SCALE: 1/2" = 1'-0"



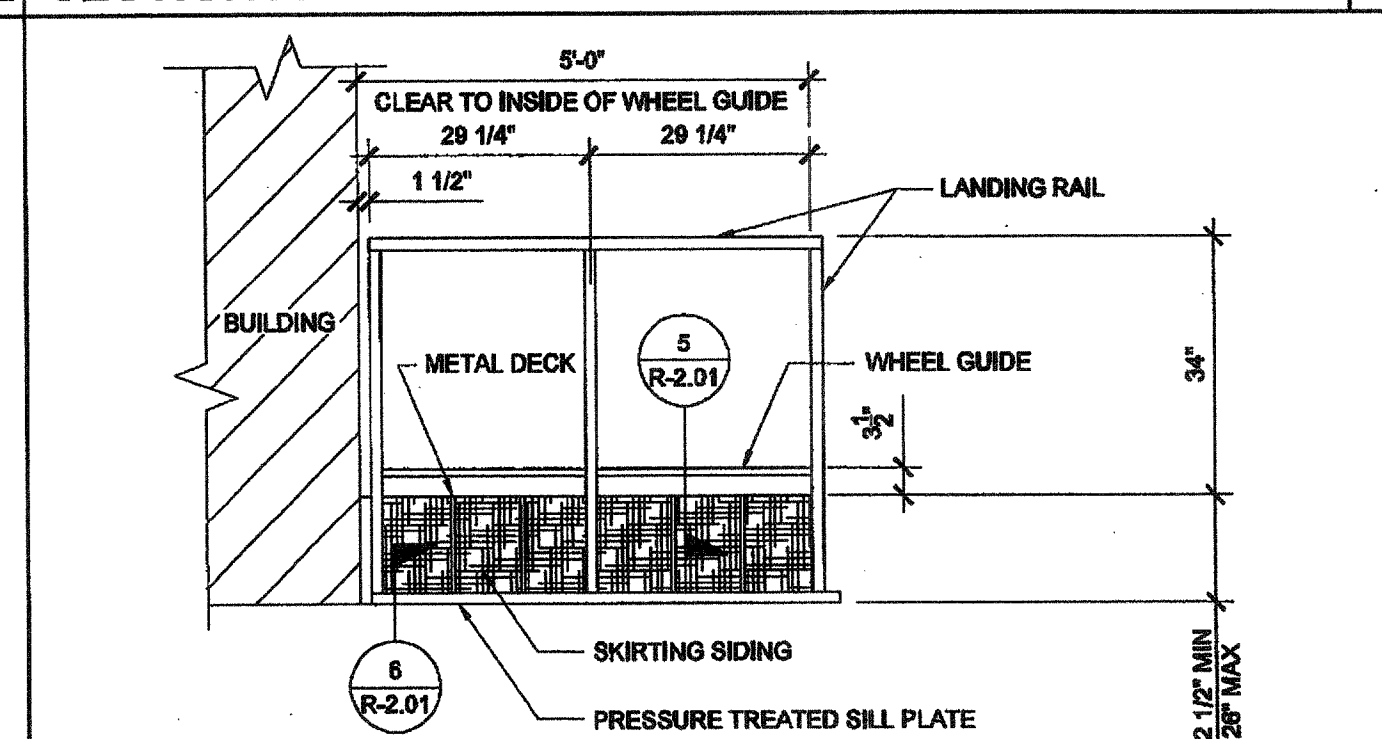
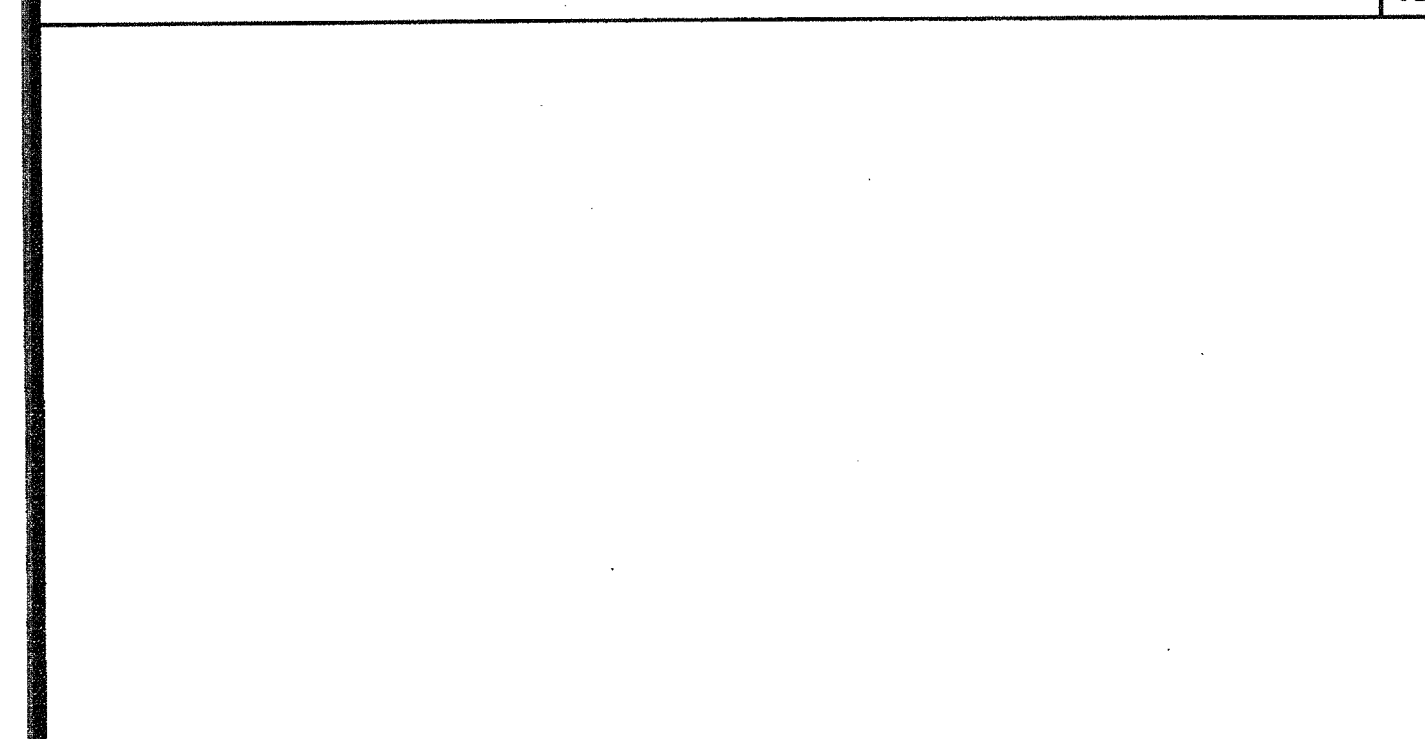
11 SECTION AT LANDING SCALE: 1/2" = 1'-0"

7 RAMP AND LANDING ELEVATION SCALE: 1/2" = 1'-0"



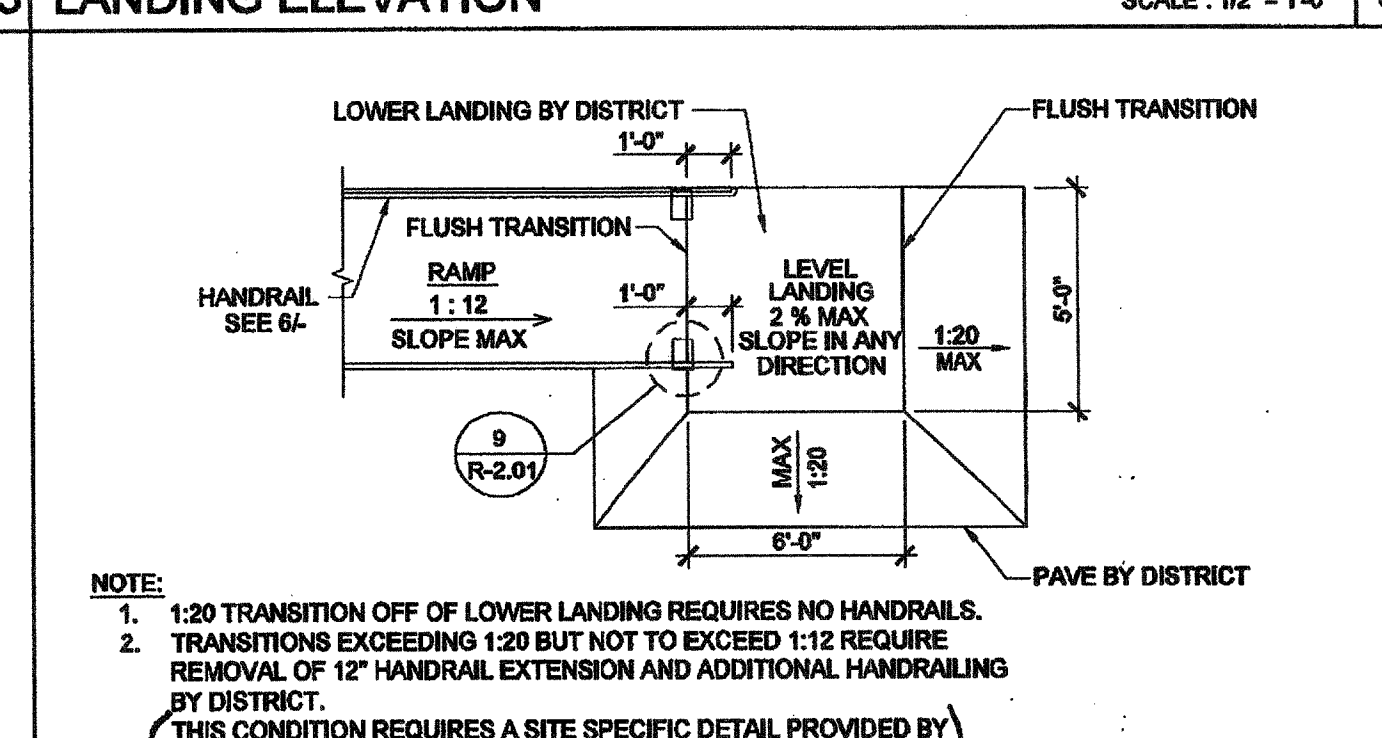
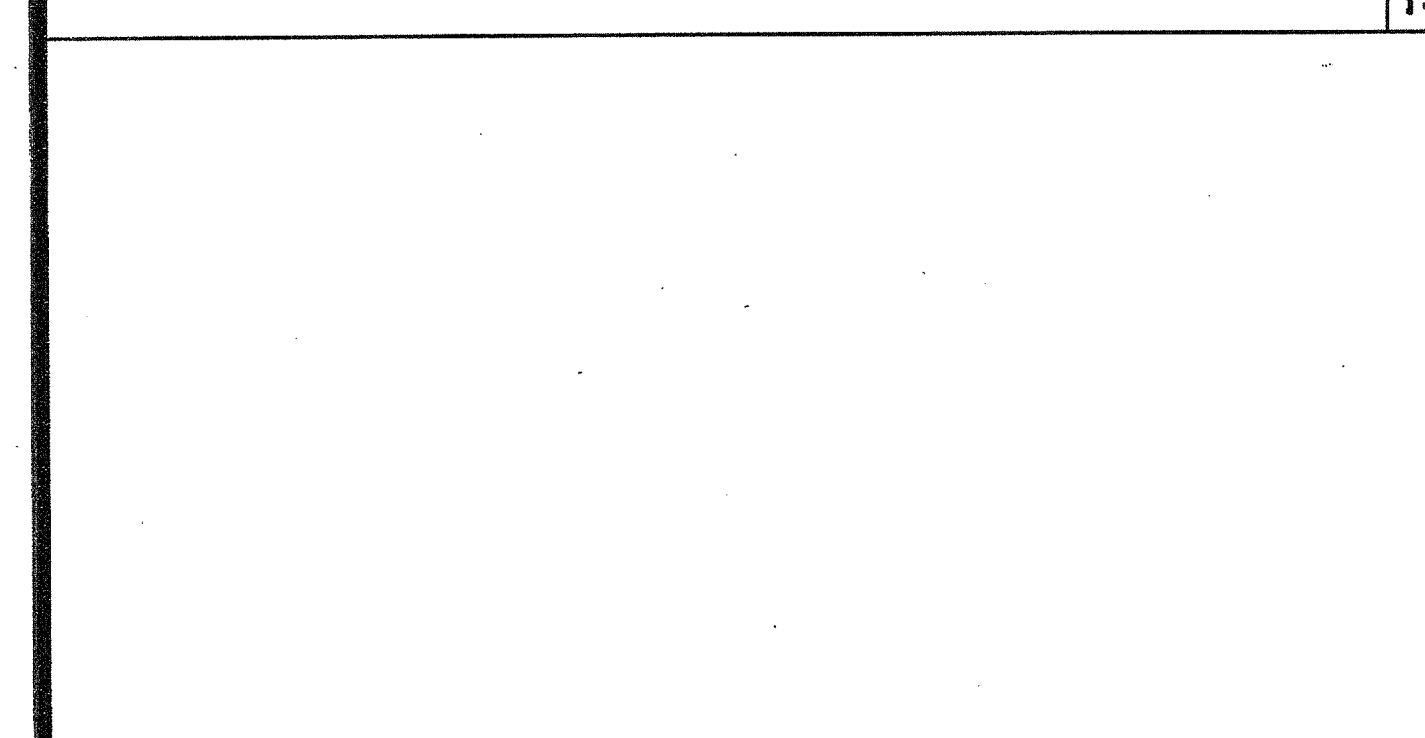
12 SECTION AT RAMP SCALE: 1/2" = 1'-0"

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



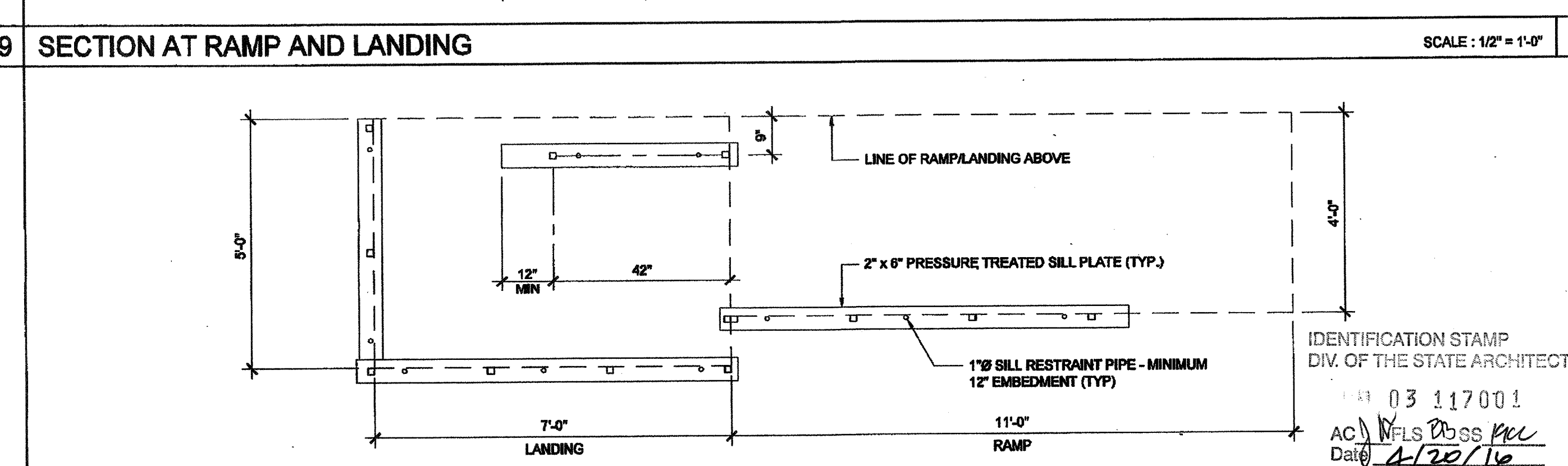
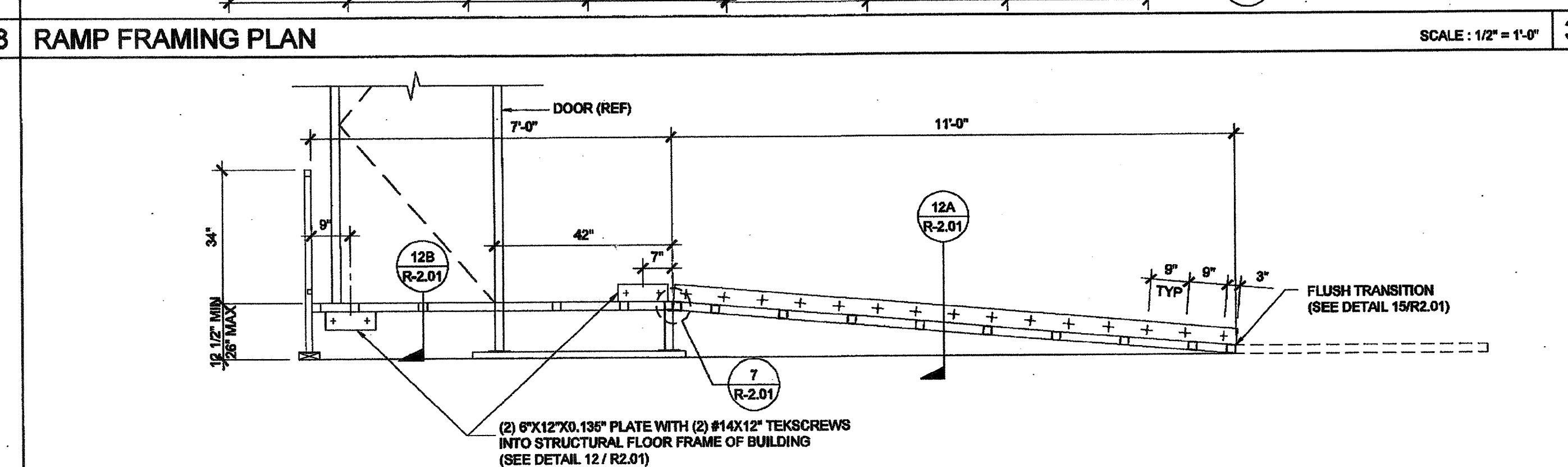
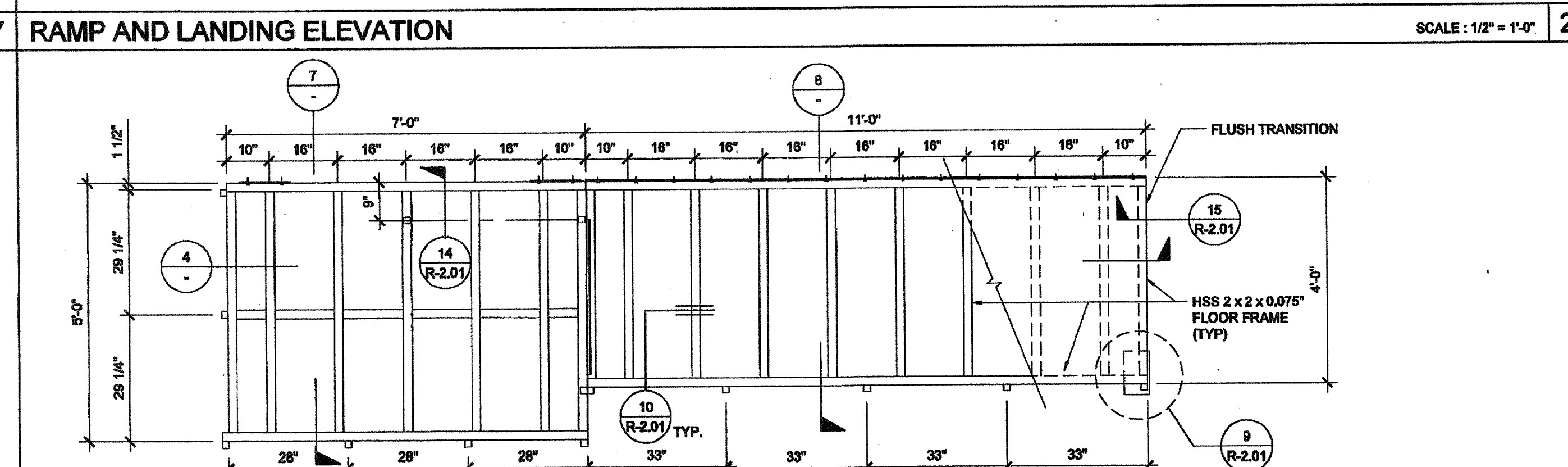
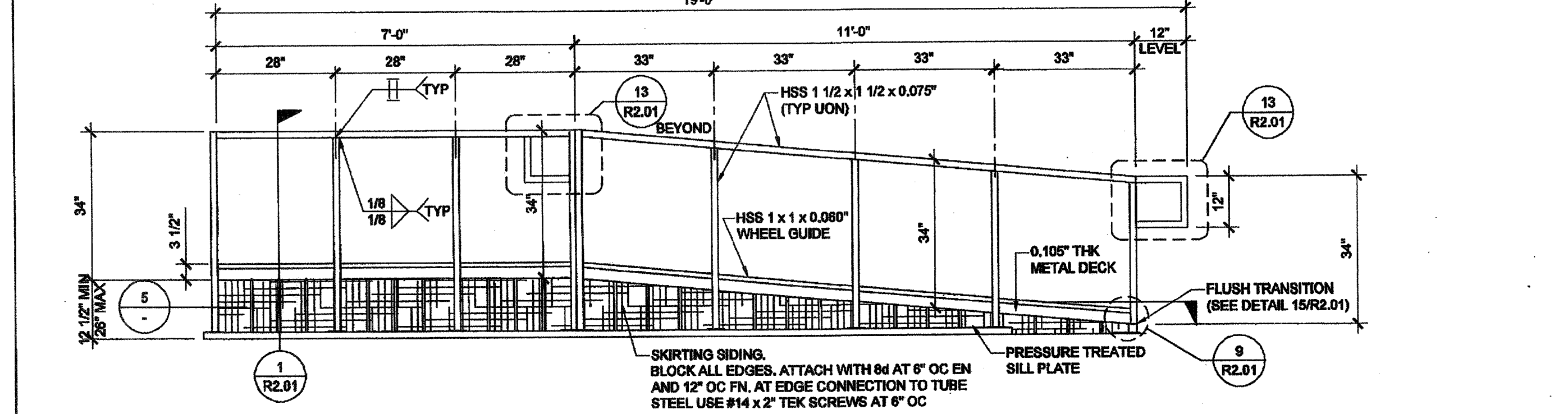
13 LANDING ELEVATION SCALE: 1/2" = 1'-0"

9 SECTION AT RAMP AND LANDING SCALE: 1/2" = 1'-0"



14 RAMP TRANSITION SCALE: NTS

10 SILL PLAN FOR RAMP AND LANDING SCALE: 1/2" = 1'-0"



10 SILL PLAN FOR RAMP AND LANDING SCALE: 1/2" = 1'-0"

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SILVER CREEK INDUSTRIES, INC.



195 EAST MORGAN PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

CLASS LEASING  
CLASSROOMS BLDG'S

SHEET TITLE:

RAMP LANDING

12/23/2011

ARCHITECT OF RECORD  
SUBMISSION

REGISTERED ARCHITECT  
PROJECT A. M. J. 1000000000  
C1000000000  
2-20-11

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

04 113850

ACD FLS SS DN

DATE AUG 27 2011

ORIGINAL PC STATE AGENCY APPROVAL

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

PC 04-112070

ACD FLS SS DN

DATE DEC 9 2011

REVISIONS

SILVER CREEK INDUSTRIES  
30' x 32' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 6-17-11

P.C. SHEET NUMBER

R-1.01



**SILVER CREEK INDUSTRIES, INC.**

**SHEET TITLE:**

**RESTATE ASSOCIATES**  
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**PROJECT SPECIFIC STATE AGENCY APPROVAL**

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 PC 04-112070  
 AC ☒ FLS ☒ SS ☒  
 DATE DEC 3 8 2011

## REVISIONS

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**SILVER CREEK INDUSTRIES**  
30' x 32' PC

PROJECT NO:

DRAWN BY: \_\_\_\_\_

SCALE: \_\_\_\_\_ AS NOTED

DATE:	6-17-11
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P.C. SHEET NUMBER	
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R-2.01

