SITE IMPROVEMENTS FOR 48'x40' ADMIN & 24'x40' WORK RM MODULARS AT

HORACE MANN ELEMENTARY SCHOOL

2710 NILES ST, BAKERSFIELD, CA 93306

FOR

BAKERSFIELD CITY SCHOOL DISTRICT

1300 BAKER STREET, BAKERSFIELD, CALIFORNIA, 93305

GENERAL NOTES

NOTHING IN THE DRAWINGS AND/OR THE SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION THAT COULD BE IN VIOLATION OF THE APPLICABLE CODES, ORDINANCES, REGULATIONS, RESTRICTIONS, ETC. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY. DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE DRAWINGS SHALL CAUSE THE CONTRACTOR TO NOTIFY THE ARCHITECT PRIOR TO MAKING ANY CHANGES IN THE WORK.

THE DRAWINGS, IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED HEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT/OWNER AND NO PART THEREOF SHALL BE COPIED OR DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THESE DOCUMENTS HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS CONSTITUTES CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

MISPLACEMENT, ADDITION, OR OMISSION OF ANY WORD, LETTER, FIGURE, PUNCTUATION MARK, ETC., SHALL IN NO WAY CHANGE OR ALTER THE TRUE INTENT, SPIRIT, OR MEANING OF THE DRAWINGS. THE CONTRACTOR SHALL STUDY AND COMPARE ALL DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR INCONSISTENCIES TO THE ARCHITECT BEFORE COMMENCING WORK IN THAT AREA.

ALL WORK SHALL BE IN CONFORMANCE WITH THE CURRENTLY ADOPTED EDITION OF THE:

PART 1	2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
PART 2	2016 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2015 INTERNATIONAL BUILDING CODE, VOLUME 1 AND 2 WITH CALIFORNIA AMENDMENTS)
PART 3	2016 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2014 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
PART 4	2016 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R.(2015 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
PART 5	2016 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2015 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO AND CALIFORNIA AMENDMENTS)
PART 6	2016 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.
PART 7	CURRENTLY VACANT
PART 8	2016 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R
PART 9	2016 CALIFORNIA FIRE CODE, TITLE 24 C.C.R (2015 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
PART 10	2016 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2015 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)
PART 11	2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN CODE), TITLE 24 C.C.R.
PART 12	2016 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 10	STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2013 EDITION
NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STATIONARY PUMPS	2016 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2016 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2015 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS REFERENCE CODE SECTION FOR NFPA STDS-CBC (SFM) 3504.1	2015 EDITION

A. A CONSTRUCTION CHANGE DOCUMENT (CCD TYPE A), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

B. IF CONFLICTS BETWEEN VARIOUS ELEMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL) OF THE WORK OF THE DRAWINGS ARE DISCOVERED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.

C. THE OWNER, THE ARCHITECT AND THE ENGINEERS SHALL ASSUME NO RESPONSIBILITY FOR THE EXISTING CONDITIONS AND MEASUREMENTS INDICATED ON THESE PROPOSED PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MEASUREMENTS AND CONDITIONS NECESSARY TO PROVIDE COMPLETE WORK AS INDICATED BY THE INTENT OF THESE PLANS PRIOR TO PROCEEDING WITH WORK OF THIS CONTRACT.

D. EXISTING DIMENSIONS INDICATED ON THESE PROPOSED DRAWINGS HAVE BEEN PROVIDED FROM INFORMATION OBTAINED FROM THE DISTRICT. THE CONTRACTOR SHALL USE WHAT MEANS NECESSARY TO VERIFY THE DIMENSIONS IN THE AREAS OF DESIGNATED WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO STARTING WORK IN THE AREA OF QUESTION.

E. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD TYPE-'A') APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

F. A "CLASS 3" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) APPROVED AND CERTIFIED 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.
1.) THE SITE INSPECTOR SHALL VERIFY THE DOCUMENTS BELOW ARE ON THE JOB SITE & APPLICABLE TO EACH UNIT PRIOR TO INSTALLATION OF THE UNIT(S), INCLUDING THE SERIAL NUMBER FOR EACH UNIT.
A.) IN-PLANT VERIFIED REPORT
B.) LABORATORY VERIFIED REPORT
C.) WELDING VERIFIED REPORT
2.) THE PROJECT INSPECTOR (PI) IS TO WITNESS AND VERIFY GROUNDING, PER DSA-103.

G. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LEGAL ORDINANCES.

H. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATIONS, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITION SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CCD TYPE-'A', OR A SEPARATE SET OF PLANS & SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE REPAIR WORK.

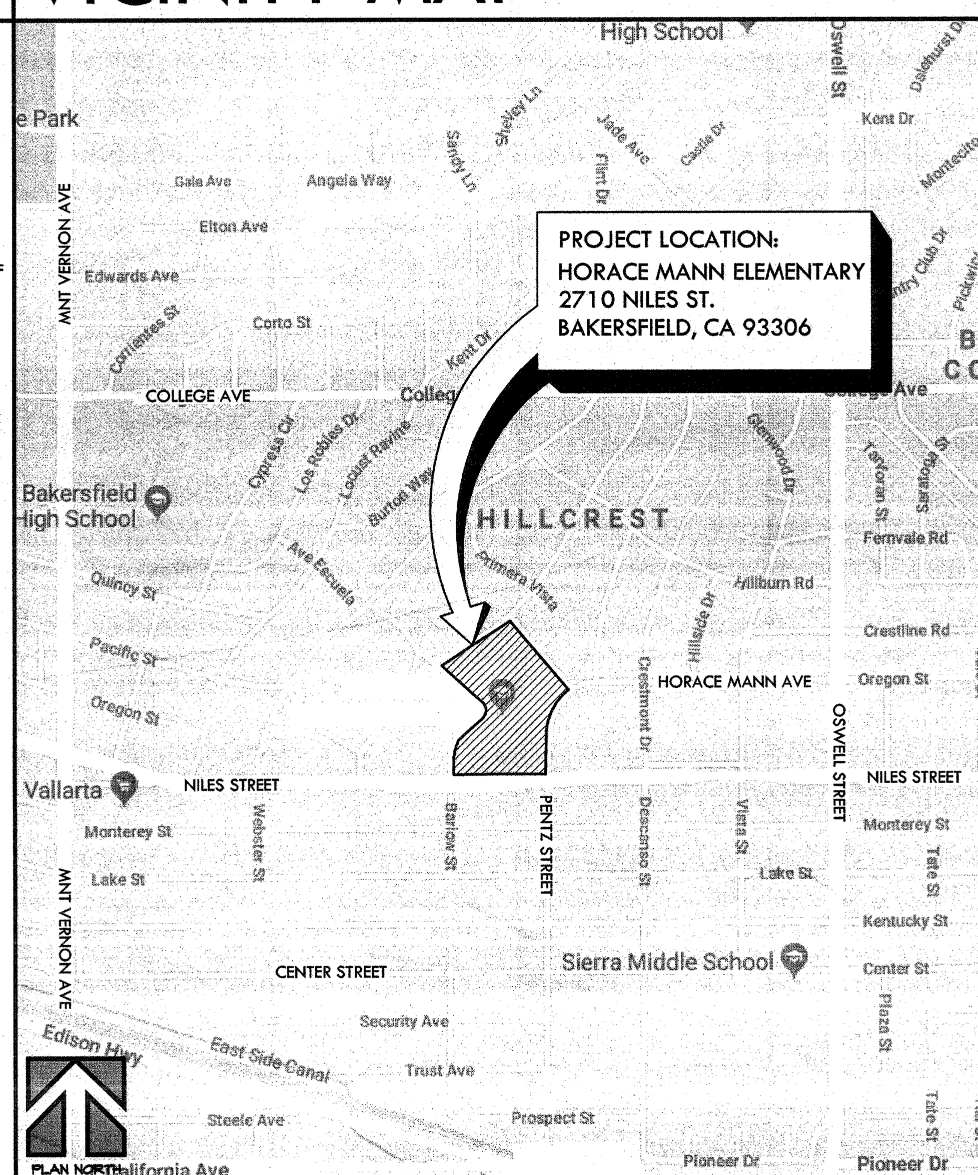
I. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

J. NOTIFY ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR.

K. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL DISTRICT SHALL CONDUCT ALL REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

L. DETERIORATION OR EXISTING NON-COMPLAINT CONSTRUCTION: IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS.

VICINITY MAP



SCOPE OF WORK (CONTRACT-1 BY DISTRICT, CONTRACT-2 BY CONTRACTOR)

CONTRACT I - MODULAR BUILDINGS

ALL LABOR, MATERIALS, & EQUIPMENT TO DELIVER, & INSTALL SET UP (2)-MODULAR BUILDINGS WITH WOOD FOUNDATIONS TO INCLUDE BUT NOT BE NECESSARILY LIMITED TO, PERIMETER SKIRTING, THREE PLATFORMS, AND RAMPS AS INDICATED ON THESE PLANS AND SPECIFICATIONS. THE MODULAR BUILDING SHALL BE COMPLETE AND FUNCTIONAL, READY FOR UTILITY HOOK-UPS. COORDINATE WITH THE SITE IMPROVEMENT CONTRACTOR FOR A COMPLETE INSTALLATION, SEE CONTRACT-II

CONTRACT II - SITE IMPROVEMENTS

ALL LABOR, MATERIALS, & EQUIPMENT REQUIRED TO PROVIDE SITE IMPROVEMENTS FOR (2) MODULAR BUILDINGS. WORK TO INCLUDE BUT NOT NECESSARILY LIMITED TO SITE DEMO, PARKING LOT RESURFACING & STRIPING, SITE PATH OF TRAVEL, SIGNAGE, FIRE EXTINGUISHERS, ASPHALTIC CONC. & CONC. PAVING, CONC. STAIRS, RAMPS & HANDRAILS, CHAIN-LINK FENCING & GATES, ELECTRICAL POWER, SIGNAL, FIRE ALARM, ETC. AS SHOWN ON THESE PLANS TO THE MODULAR BUILDINGS FOR A COMPLETE & FUNCTIONAL INSTALLATION.

OWNER

BAKERSFIELD CITY SCHOOL DISTRICT	(661) 631-4600	FOR INFO. ON THIS PROJECT, CONTACT
1300 BAKER STREET	FAX (661) 326-1485	ROBERT VANTASSEL, SUPERVISOR OF
BAKERSFIELD, CALIFORNIA, 93305	www.bcsd.com	SCHOOLS PLANNING & CONSTRUCTION
B.C.S.D. MAINTENANCE & OPERATION DEPARTMENT		(661) 631-5883
1501 FELIZ DRIVE		FAX (661) 834-9986
BAKERSFIELD, CALIFORNIA, 93307		vantasselr@bcsd.k12.ca.us

SYMBOLS

- GRID LINES
- DOOR SYMBOL DOOR NUMBER
- WINDOW SYMBOL WINDOW NUMBER
- REVISION NUMBER
- WORK POINT CONTROL PT./DATUM PT.
- MATCH LINE (SHADED PORTION IS THE SIDE SHOWN)
- NORTH ARROW (PLAN NORTH)
- SECTION LETTER SHEET NUMBER (B / A8.0)
- DETAIL NUMBER SHEET NUMBER (1 / A10.1)
- ROOM NUMBER / NAME INTERIOR ELEV. LOCATION (101 OFFICE / A9.1)
- REVISED GRADE EXISTING GRADE (68.1 / 65.2')
- SAFE DISPERSAL AREA - "A", SEE SHT A-10 FOR LOCATION AND SIZE CALCULATIONS

DESIGN TEAM

ARCHITECTURAL	CIVIL	ELECTRICAL
SCArchitect inc.	PORTER AND ASSOCIATES, INC	DPG ENGINEERING, INC
1601 NEW STINE RD., #280	1200 21st STREET SUITE A	6702 N. CEDAR AVENUE, STE. 205
BAKERSFIELD, CA 93309	BAKERSFIELD, CA 93309	FRESNO, CA 93710
(661) 397-4377	(661) 327 - 0362	OFFICE (559) 276-5144
FAX (661) 397-4378	FAX (661) 327 - 1065	

ABBREVIATIONS

@	AT
&	And
(E)	Existing
<	Less Than
>	More Than
(N)	New
d	Penny
±	Plus or Minus
#	Pound / Number
≤	Less than or Equal
≥	More than or Equal
AB	Anchor Bolt
AC	Asphalt Concrete
ACC	Accessibility
AD	Area Drain
AFF	Above Finish Floor
AP	Access Panel
A/C	Air-conditioning
ABV	Above
ACOUS	Acoustic(al)
ACPL	Acoustical Plaster
ADD	Addendum
ADJ	Adjustable/Adjacent
AGG	Aggregate
AFF	Above Finish Floor
ALT	Alternate
ALUM	Aluminum
ANC	Anchor(age)
ANOD	Anodized
APPROX	Approximate(ly)
ARCH	Architect
ASB	Asbestos
AUTO	Automatic
AVE	Average
AV	Audio Video
BBD	Bulletin Board
BC	Begin Curve
BMK	Bench Mark
BOB	Bottom of Beam
BUR	Built-up Roofing
BD	Board
BEL	Below
BIT	Bituminous
BLDG	Building
BKBD	Backboard
BLK	Block
BLKG	Blocking
BRK	Break, Brick
BRKR	Braker
BM	Beam
BOT	Bottom
BN	Boundary Nailing
BRG	Bearing
BRNZ	Bronze
BTU	British Thermal Unit
BTWN	Between
BUR	Built Up Roofing
BVL	Bevel(ed)
C&G	Curb and Gutter
CB	Catch Basin
CF	Cubic Foot(Feet)
CFL	Counterflashing
CFRD	Coffered
CG	Corner Guard
CI	Cast Iron
CIP	Cast Iron Pipe
CIPC	Cast-in-place concrete
CISP	Cast Iron Soil Pipe
CJ	Ceiling Joist
CJT	Control Joint
CK	Caulk(ing)
CL	Chain Link
℄	Center Line
CMT	Ceramic Mosaic tile
CMU	Concrete Masonry unit
CO	Clean-out
COTG	Clean-out to grade
COTW	Clean-out thru wall
CR	Curb Return
CAB	Cabinet
CEM	Cement
CER	Ceramic
CHAM	Chamfer
CHBD	Chalkboard
CHG	Change
CLG	Ceiling
CLR	Clear(ance)
CLS	Closure
CNTR	Counter
COL	Column
COMB	Combination
COMPO	Composition
CONC	Concrete
CONST	Construction
CONT	Continuous
CORR	Corrugated
CSK	Countersink
CRPT	Carpet
CSMT	Casement
CTR	Center
CW	Cold Water
DF	Drinking Fountain / Douglas Fir
DG	Decomposed Gravel
DH	Double Hung
DA	Double Acting
DET	Detail
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DIV	Division
DPPR	Depress(ed)
DR	Door
DS	Downspout
DISP	Dispenser
DWG	Drawing
DWR	Drawer
DC W	Domestic Cold Water
DHW	Domestic Hot Water
E	East
EDF	Electric Drinking Fountain
EF	Each Face
EJ	Expansion Joint
EPB	Electric Panel Board
EW	Each Way
EA	Each
ELECT	Electric(al)
ELEVR	Elevator
ELEV	Elevation
EMER	Emergency
ENAM	Enamel
ENCL	Enclosure
EQ	Equal
EQUIP	Equipment
EXH	Exhaust
EXP	Expansion/Exposed
EXT	Exterior
FBO	Furnished By Others
FBLKG	Fire-blocking
FD	Floor Drain
FDN	Foundation
FEC	Fire Extinguisher Cabinet
FG	Fixed Glass/Finish Grade
FGRD	Finish Grade
FJ	Floor Joist
FJT	Flush Joint
FO	Face Of
FOC	Face of Concrete/ Column
FOF	Face of Finish
FOM	Face of Masonry
FOS	Face of Stud
FOW	Face of Wall
FAB	Fabrication(tion)
FAC	Factory
FAS	Fasten(er)
FBD	Fiberboard
FBGL	Fiberglass
FHC	Fire Hose Cabinet
FHMS	Flathead Machine Screw
FHWS	Flathead Wood Screw
FHSS	Flathead Stainless steel
FIN	Finish(ed, es)
FLEX	Flex(ible)
FLR	Floor
FLUOR	Fluorescent
FOUND	Foundation
FRMG	Framing
FRT	Fire-Retardant
FS	Fixed Shelf
FTG	Footing
FURR	Furring(ed)
FUT	Future
FV	Field Verify
GB	Grab Bar
GI	Galvanized Iron
GA	Gauge
GALV	Galvanize
GL	Glass
GLZG	Glazing
GRAV	Gravel
GRD	Grade
GSKT	Gasket
GYPBD	Gypsum Board
GYPLA	Gypsum Lath
HB	Hose Bibb
HC	Hollow Core
HJT	Head Joint
HM	Hollow Metal
HVAC	Heating, Ventilating & Air-Conditioning
HBD	Hardboard
HDR	Header
HDWD	Hardwood
HDWR	Hardware
HEX	Hexagonal
HORIZ	Horizontal
HSS	Hollow Steel Section
HT	Height
HTG	Heating
HW	Hot Water
ID	Inside Diameter
INCL	Include(ing)
INSTR	Instruction(tor)
INSUL	Insulate(tion)
INTM	Intermediate
INT	Interior
INV	Invert
ISA	International Symbol of Accessibility
JST	Joist
JT	Joint
KVC	Keen's Veneer Cement
KD	Knockdown
KPL	Kick-plate
KIT	Kitchen
KO	Knock Out
LBS	Pounds
LBT	Lag Bolt
LF	Linear Foot
LH	Left Hand
LPT	Low Point
LAD'R	Ladder
LAM	Laminate(d)
LAV	Lavatory
LBL	Label
LVR	Louver
LOC	Location
LT	Light
MACH	Machine
MB	Machine Bolt/Marker Board
MC	Medicine Cabinet
MT	Metal Threshhold
MAS	Masonry
MAX	Maximum
MBRN	Membrain
MECHL	Mechanical
MED	Medium
MFG	Manufacturing
MFR	Manufacturer
MH	Man Hole
MIN	Minimum
MIR	Mirror
MISC	Miscellaneous
MLDG	Molding (Moulding)
MKR	Marker
MO	Masonry Opening
MOD	Modular
MS	Mud-Set
MT	Metal Threshold
MTD	Mounted
MTL	Metal
MTL'L	Material
MULL	Mullion
MWK	Millwork
N	North
NIC	Not In Contract
NO	Number
NTS	Not to Scale
NAT	Natural
NOM	Nominal
NRC	Noise Reduction Coefficient
OC	On Center
OCBW	On Center Both Ways
OD	Outside Diameter
O/	Over
OA	Overall
OBS	Obscure
OFLD	Overflow Drain
OHMS	Ovalhead Machine Screw
OHWS	Ovalhead Wood Screw
OHD	Overhead
OPHD	Opposite Hand
OPAQ	Opaque
OPNG	Opening
OPP	Opposite
PA	Planting Area
PS&P	Patch, Sand & Paint
PSS&S	Patch, Sand, Stain & Seal
PBD	Particle Board
ℙ	Property Line
PLAM	Plastic Laminate(d)
POC	Point of Connection
POI	Point of Intersection
PT DISP	Paper Towel Dispenser
PT RECP	Paper Towel Receptical
PVC	Poly-Vinyl Chloride
PART	Partition
PC CONC	Precast Concrete
PERF	Perforated
PERIM	Perimeter
PL	Plate
PLAS	Plaster
(P)CPL	(Portland) Cement Plaster
PNL	Panel
PNT(D)	Paint(ed)
PRE-FAB	Pre-Fabricated
PLBG	Plumbing
PLYWD	Plywood
PTDF	Pressure Treated D.F.
R	Riser
RA	Return Air
RD	Roof Drain, Relative Density
RH	Right Hand
RJ	Roof Joist
RL	Ridge Line
RO	Rough Opening
RAD	Radius
ROW	Right of Way
RDWD	Redwood
REF	Reference
REINF	Reinforce(ment)
REM	Removal
REQ'D	Required
RES	Resilient
RET	Return
REV	Revision
RFG	Roofing
RFL	Reflect(ed),(ive)or(r)
RM	Room
RO	Rough Opening
RS	Reducer Strip
RTSB	Rubber Top Set Base
RVT	Rivet
RWD	Redwood
RWL	Rainwater Leader
S&P	Shelf and Pole
S	South
SC	Solid Core
SD	Storm Drain, Self-Drilling
SEL	Select
SF	Square Foot
SN DISP	Sanitary Napkin Dispenser
SCHED	Schedule
SEC	Section
SGL	Single
SHLF	Shelf
SHLVG	Shelving
SHWR	Shower
SHT	Sheet
SHT MTL	Sheet Metal
SHTG	Sheathing
SIM	Similar
SKLT	Skylight
SPEC	Specification(s)
SPKR	Speaker
SQ	Square
SS	Stainless Steel
STC	Sound Transmission Coefficient
ST	Self Tapping
STD	Standard
STFRNT	Storefront
STL	Steel
STOR	Storage
STRUC	Structure
STRUCTL	Structural
SUSP	Suspended
SYM	Symetrical
SYS	System
T&B	Top & Bottom
T&G	Tongue & Groove
T	Tread
TB	Towel Bar
THRU	Through
TI	Tenant Improvement
TJ	Tool Joint
TS	Tube Steel
TOB	Top of Beam
TOC	Top of Curb(Conc)
TOM	Top of Masonry
TOP	Top of Plate(Parapet)
TOR	Top of Roof
TORD	Top of Roof Drain
TOS	Top of Sheathing
TOW	Top of Wall
TP DISP	Toilet Paper Dispenser
T PART	Toilet Partition
TSC DISP	Toilet Seat Cover Dispenser
TELE	Telephone
TEMP	Tempered
TEXT	Texture(d)
TH	Threshold
THD	Thread(ed, s)
THK	Thick(ness)
TKBD	Tackboard
TSB	Topset Base
TS	Thermostat
TT&P	Tape, Texture & Paint
TYP	Typical
TV	Television
TW	Tread Width
UNO	Unless Noted Otherwise
UG	Underground
VAC	Vacuum
VERT	Vertical
VIF	Verify in Field
VG	Vertical Grain
VO	Vent Over(Offset)
VR	Vent Riser
VTR	Vent Thru Roof
VAR	Varnish
VCT	Vinyl Composition Tile
VCTWB	Vinyl Composition Tackable Wallboard
VEN	Veneer
VERT	Vertical
VPB	Vapor Barrier
VWC	Vinyl Wall Covering
W	West
WC	Watercloset
WD	Wood
WG	Wire Glass
WH	Water Heater/Water Head
WHCAB	Wall Hung Cabinet
WI	Wrought Iron
WM	Wire Mesh
WTW	Wall to Wall
WWM	Welded Wire Mesh
WWRM	Welded Wire Reinforcing Mat
W/	With
WH/	Where
W/I	Within
W/O	Without
WOLM	Wolmanized
WDW	Window
WP	Waterproof(ing)
WR	Water Resistant
WS	Weatherstrip
WSCT	Wainscot
WST	Waste
WT	Weight

SHEET INDEX

TITLESHEET

- T0.0 TITLE SHEET / VICINITY MAP / SCOPE OF WORK / NOTES / INDEX / ABBREVIATIONS

CIVIL

- C1 CIVIL IMPROVEMENTS OVERALL SITE GRADING PLAN
- C2 CIVIL IMPROVEMENTS BUILDING GRADING PLAN DETAIL
- C3 CIVIL IMPROVEMENTS SEWER AND WATER PLAN
- C4 CIVIL IMPROVEMENTS TOPOGRAPHIC SURVEY

ARCHITECTURAL

- A1.0 SITE PLAN / LEGEND / SITE GENERAL NOTES / SCHOOL DIRECTORY / CODE & EXIT ANALYSIS / PARKING CALC.
- A1.1 PARTIAL SITE PLAN / PARTIAL DEMO SITE PLAN
- A10.0 MISCELLANEOUS DETAILS
- A10.1 MISCELLANEOUS DETAILS

ELECTRICAL

- E-1.00 ELECTRICAL SITE PLAN
- E-2.00 ELECTRICAL SINGLE LINE DIAGRAM
- E-3.00 FIRE ALARM SITE PLAN
- E-4.00 FIRE ALARM 1-LINE DIAGRAM, DTLS & SCHED.S

NEW & RELOCATED FROM STOCKPILE MODULAR BLDGS.

THESE DRAWING AND SPECS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED AND HAVE BEEN FOUND TO MEET THE REQUIREMENTS OF T-24, CALIFORNIA CODE OF REGULATIONS & THE PROJECT SPEC.S. THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION DWGS OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE GENERALLY RESPONSIBLE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY). A LIST OF ITEMS HAS BEEN REVIEWED AND ACCEPTED. (SEE SHEET A-0N, COVER SHEET OF SILVER CREEK INDUSTRIES, INC. DWGS AND A-0.01, COVER SHEET OF MODTECH, INC. DWG.S).
PURSUANT TO DSA POLICY 07-02 APPENDIX A, O.T.C. CHECKLIST, ITEM D, RELOCATION PROJECT, #3; I SHALL BE RESPONSIBLE TO VERIFY BY APPROPRIATE MEANS SUBJECT TO DSA APPROVAL, THAT THE MODULAR BUILDINGS TO BE RELOCATED FOR THIS APPLICATION SHALL CONFORM TO THE ORIGINALLY APPROVED PLANS & SPECIFICATIONS AND HAVE NOT BEEN ALTERED STRUCTURALLY OR SUFFERED STRUCTURAL DETERIORATION.

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11-30-19 STATE OF CALIFORNIA

STEPHEN J. CORBIN, AIA, NCARB, LEED®-AP BD+C

SILVER CREEK INDUSTRIES, INC — Modular Building

R-14 ADMINISTRATION BLDG. A 04-117380; PC 04-114102; S/N-(13392, 13393, 13394, 13395)

A-0N	PROJECT SPECIFIC COVER SHEET
A-02N	PROJECT SPECIFIC SCHEDULES
A-1.03N	PROJECT SPECIFIC FLOOR PLAN
A-2.13N	PROJECT SPECIFIC REFLECTED CEILING PLAN
A-3.04N	PROJECT SPECIFIC ROOF PLAN 0.03 METAL DECK, DUAL SLOPE
A-3.50N	PROJECT SPECIFIC ROOF DETAIL 0.30 STANDING SEAM ROOF
A-4.05N	PROJECT SPECIFIC EXTERIOR ELEVATIONS
A-6.03N	PROJECT SPECIFIC INTERIOR ELEVATIONS
M-1.03N	PROJECT SPECIFIC MECHANICAL PLAN, WALL MOUNT
E-1.03N	PROJECT SPECIFIC ELECTRICAL PLAN
A-0	COVER SHEET
A-0A	T&I FORMS
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS, LEGEND, ABBREVIATIONS AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS- 24' TO 120'x40'
A-0.5A	ENERGY CALC.S - PRF FORMS - ZONE 14 WORST CASE
A-0.5B	ENERGY CALC.S - PRF FORMS - ZONE 15 WORST CASE
A-0.5C	ENERGY CALC.S - PRF FORMS - ZONE 16 WORST CASE
A-06D	ENERGY CALC.S - ELEC FORMS - 120'x40' BUILDINGS
A-0.6E	ENERGY CALC.S - LTO/MCH FORMS - 120'x40' BUILDINGS
A-0.6F	ENERGY CALC.S - LTI FORMS - 120'x40' BUILDINGS
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
A-1.03	FLOOR PLAN - 48' TO 120'x40' BUILDINGS
A-2.13	REFLECTED CEILING PLAN - 48' TO 120'x40' - VAULTED CEILING
A-2.1D	CEILING DETAILS - T-GRID
A-3.04	ROOF PLAN 0.018 METAL DECK - DUAL SLOPE - 48' TO 120'x40'
A-3.50	ROOF DETAILS 0.018 STANDING SEAM ROOF DECK
A-4.05	EXTERIOR ELEVATIONS - DUAL SLOPE - 48' TO 120'x40'
A-5.02	CROSS SECTION - DUAL SLOPE - 0.018 B.U. OR TPO ROOF DECK
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISC/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISC/OPTIONS
A-6.03	INTERIOR ELEVATIONS 48' TO 120'x40'
F-0.23	WOOD FOUNDATION PLAN - 48'x40' (100 PSF)
F-0.50	FOUNDATION DETAILS - WOOD
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
S-2.11	ROOF FRAMING PLAN - 0.018, BUILT-UP OR TPO ROOF-20PSF
S-2.51	ROOF FRAMING DETAILS - DUAL SLOPR
S-2.60	ROOF FRAMING DETAILS
S-3.02	BUILDING SECTION - DUAL SLOPE ROOF
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS
S-5.12	WALL FRAMING OPENING SCHEDULE - WOOD STUDS
P-1.01	PLUMBING DETAILS AND SCHEDULE
M-3.1	MECHANICAL NOTES, SCHEDULES AND DETAILS
M-1.03	MECHANICAL PLAN - WALL MOUNT - 48' TO 120'x40'
E-1.03	ELECTRICAL PLAN - 48' TO 120'x40'
R-1.01	RAMP LANDING
R-2.01	RAMP DETAILS

MODTECH, INC — Modular Building

R-15 WORK ROOM PC 04101268; A# 04-104169; S/N-(57950 & 57951) STOCKPILE -62

A-0.01	COVER SHEET
A-1.01A	FLOOR PLAN
A-2.01	ROOF PLAN
A-3.01A	EXTERIOR ELEVATIONS
A-7.01A	REFLECTED CEILING PLAN
F-1.0	FOUNDATION PLAN
F-2.0	FOUNDATION PLAN & DETAILS
S-1.01	FLOOR FRAMING PLAN
S-2.01	ROOF FRAMING PLAN
M-1.01A	MECHANICAL (HVAC) PLAN
E-1.01A	ELECTRICAL PLAN

SILVER CREEK INDUSTRIES, INC — Ramp & Landing

R-15 PC-04-114102 STOCKPILE CLASSROOM RAMP PLAN; A# 04-117380

R1.01	RAMP LANDING
R2.01	RAMP DETAILS

MARK	DATE	REVISIONS
1		
2		
3		

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

SITE IMPROVEMENTS FOR 48'x40' ADMIN. & 24'x40' WORK RM. MODULARS AT
HORACE MANN ELEMENTARY SCHOOL
2710 NILES STREET, BAKERSFIELD, CA. 93306
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA, 93305

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL: 03-119040
FILE: 15-6
AC [signature] FLS [signature] SS [signature]
DATE: MAY 2 2 2018

PTN : 63321-308

81 SHEETS / SPEC. DSA 103

SCArchitect inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/19 STATE OF CALIFORNIA

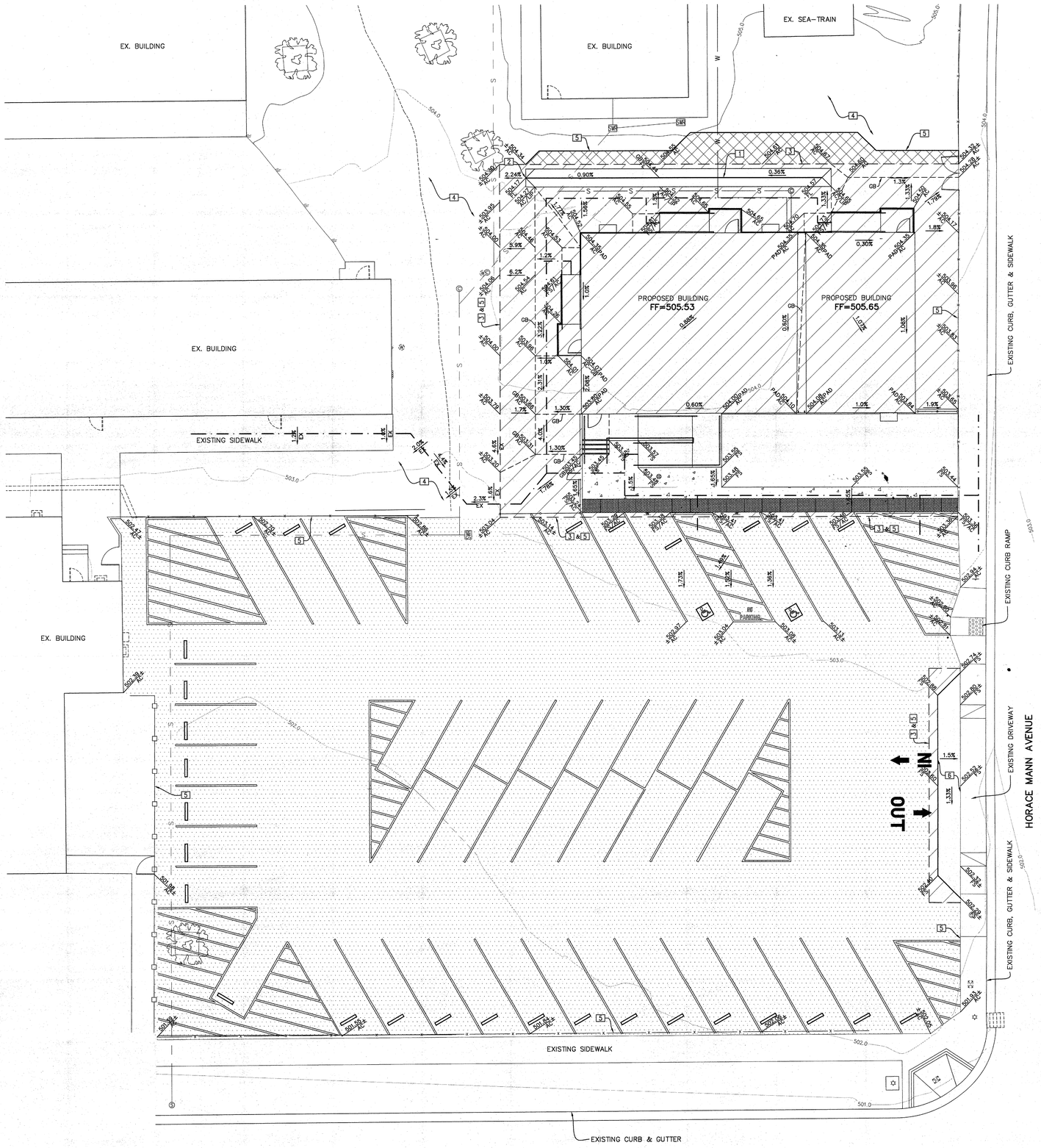
STEPHEN J. CORBIN, NCARB, AIA, LEED®-AP BD+C

TITLE SHEET / VICINITY MAP/ SCOPE OF WORK / GENERAL NOTES / SHEET INDEX / ABBREVIATIONS

JOB NO.	1250
DRAWN :	I.E.C.
CHECKED :	S.J.C.
DATE :	3-29-18

0.0

1 OF 82 SHEETS



GENERAL SPECIFICATIONS

1. ALL CONSTRUCTION SHALL CONFORM TO THIS PLAN, THE CALIFORNIA BUILDING CODE, AND STANDARDS PERTAINING THERETO. THESE DOCUMENTS SHALL BE MADE A PART HEREOF.
2. 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.
3. 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.
4. 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.
5. 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.
6. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND SUPERVISION NECESSARY FOR A COMPLETE AND FUNCTIONAL PRODUCT.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.

CONSTRUCTION NOTES

1. CONSTRUCT 4' WIDE V-GUTTER PER DETAIL (B/C2)
2. WARP GUTTER TO MATCH PAVEMENT OR CONCRETE.
3. SAWCUT TO NEAT CLEAN VERTICAL FACE.
4. EXISTING ASPHALT OR CONCRETE TO REMAIN, PROTECT IN PLACE.
5. MATCH EXISTING.
6. CONSTRUCT 5' WIDE SIDEWALK BEHIND EXISTING DRIVEWAY PER COUNTY OF KERN PLATE No. R-54 (SEE SHEET C2).
7. CONSTRUCT RAMP PER BUILDING MANUFACTURER.
8. INSTALL GALVANIZED FLASHING PER DETAIL (A/C2).
9. CONSTRUCT STAIRS AND RAMP PER ARCHITECT'S PLANS.
10. LEVEL LANDING.

CONSTRUCT MIN. 3" AC PAVING OVER MIN. 4" CLASS II AGG. BASE OVER 12" NATURAL GROUND COMPACTED TO 95% MAX. DENSITY.

GRIND 0.1' MINIMUM EXISTING AC AND OVERLAY TO DESIGN GRADES SHOWN.

CONSTRUCT MIN. 4" THICK CONCRETE OVER 12" NATURAL GROUND COMPACTED TO 90% MAX DENSITY.

EXISTING PAVEMENT. PATCH CRACKS AND SLURRY SEAL WITH CALTRANS 37-2 SLURRY SEAL. RESTRIPE PER ARCHITECT'S PLANS

LEGEND

- 505.00 — DESIGN GRADE
- 2.0% — DESIGN SLOPE
- 502.0 — EXISTING GROUND CONTOUR
- 2.0% EX — EXISTING SLOPE
- ± — MATCH EXISTING ELEVATION
- PROPOSED ACCESSIBLE PATH OF TRAVEL
- EX. WROUGHT IRON FENCE
- EX. CHAIN-LINK FENCE
- EX. EDGE OF PAVING
- EX. SEWER CLEANOUT
- EX. WATER VALVE
- EX. ELECTRICAL BOX
- EX. UTILITY BOX
- EX. LIGHT POLE
- EX. SIGN
- EX. DRAIN INLET
- EX. TREE

NOTES:

1. CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS, UNDERGROUND UTILITIES, LANDSCAPING, IRRIGATION, ETC. TO REMAIN IN PLACE AND SHALL REPAIR ANY DAMAGES DURING DEMOLITION AND/OR CONSTRUCTION ACTIVITIES.
2. CONTRACTOR SHALL COORDINATE REMOVAL OR RELOCATION OF ALL EXISTING EQUIPMENT AND UTILITIES WITHIN LIMITS OF CONSTRUCTION WITH DISTRICT PRIOR TO CONSTRUCTION.
3. SEE ARCHITECT'S PLANS FOR ALL DIMENSIONS NOT SHOWN.
4. SEE ARCHITECT'S PLANS FOR DEMOLITION AND REMOVAL/ RELOCATION OF EXISTING EQUIPMENT, UTILITIES, ETC.
5. EXISTING UNDERGROUND UTILITIES HAVE BEEN SHOWN BASED ON AVAILABLE RECORDS PROVIDED BY THE OWNER. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. CONTRACTOR SHALL COORDINATE REMOVAL OR RELOCATION OF CONFLICTING UTILITIES WITH OWNER.

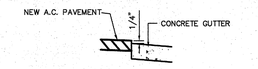
BENCHMARK USED

TOP OF CONCRETE MONUMENT IN LAMPHOLE MARKING CENTERLINE BEGINNING OF CURVE ON CATALPA WAY LYING APPROXIMATELY 160 FEET NORTHERLY OF THE CENTERLINE OF NILES STREET.
ELEVATION = 500.00 FEET (ASSUMED DATUM)

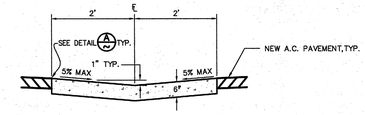
ABBREVIATIONS

TYPICAL ALL SHEETS UNLESS SUPERSEDED BY SHEET DEFINITION

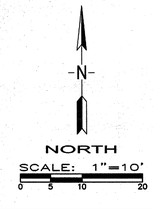
EX	EXISTING	~	ON THIS SHEET
FG	FINISHED GROUND	MAX	MAXIMUM
FS	FINISHED SURFACE	MIN	MINIMUM
FF	FINISHED FLOOR	TYP	TYPICAL
NG or OG	NATURAL/ORIGINAL GROUND	EL or ELEV	ELEVATION
EP	EDGE OF ASPHALT CONCRETE PAVEMENT	SF	SQUARE FEET
AC	TOP OF ASPHALT CONCRETE PAVEMENT	EA	EACH
AB	AGGREGATE BASE	CY	CUBIC YARDS
FL	FLOWLINE	SWR	SANITARY SEWER
GB	GRADE BREAK	MH	MANHOLE
TOC	TOP OF CONCRETE	WTR	WTR
TC	TOP OF CURB	REQ'D	REQUIRED



(A/~) TYPICAL AC/CONCRETE INTERFACE NTS



(B/~) 4' WIDE CONCRETE "V" GUTTER NTS



MARK	DATE	REVISIONS
1		
2		
3		

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SITE IMPROVEMENTS FOR 48'x40' ADMIN. & 24'x40' WORK RM. MODULARS AT HORACE MANN ELEMENTARY SCHOOL

2710 NILES STREET, BAKERSFIELD, CA. 93306

FOR

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD, KERN COUNTY, CALIFORNIA, 93305

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL: 03-119040
FILE: 15-6
AC
DATE: MAY 22 2018

PTN: 63321-308

SCARCHITECT INC
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. COBB No. C-16786 REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

STEPHEN J. COBB, M. ARCH., AIA, LEED® -AP BD+C

REGISTERED PROFESSIONAL ENGINEER JARED W. PORTER RCE 74059 CIVIL STATE OF CALIFORNIA

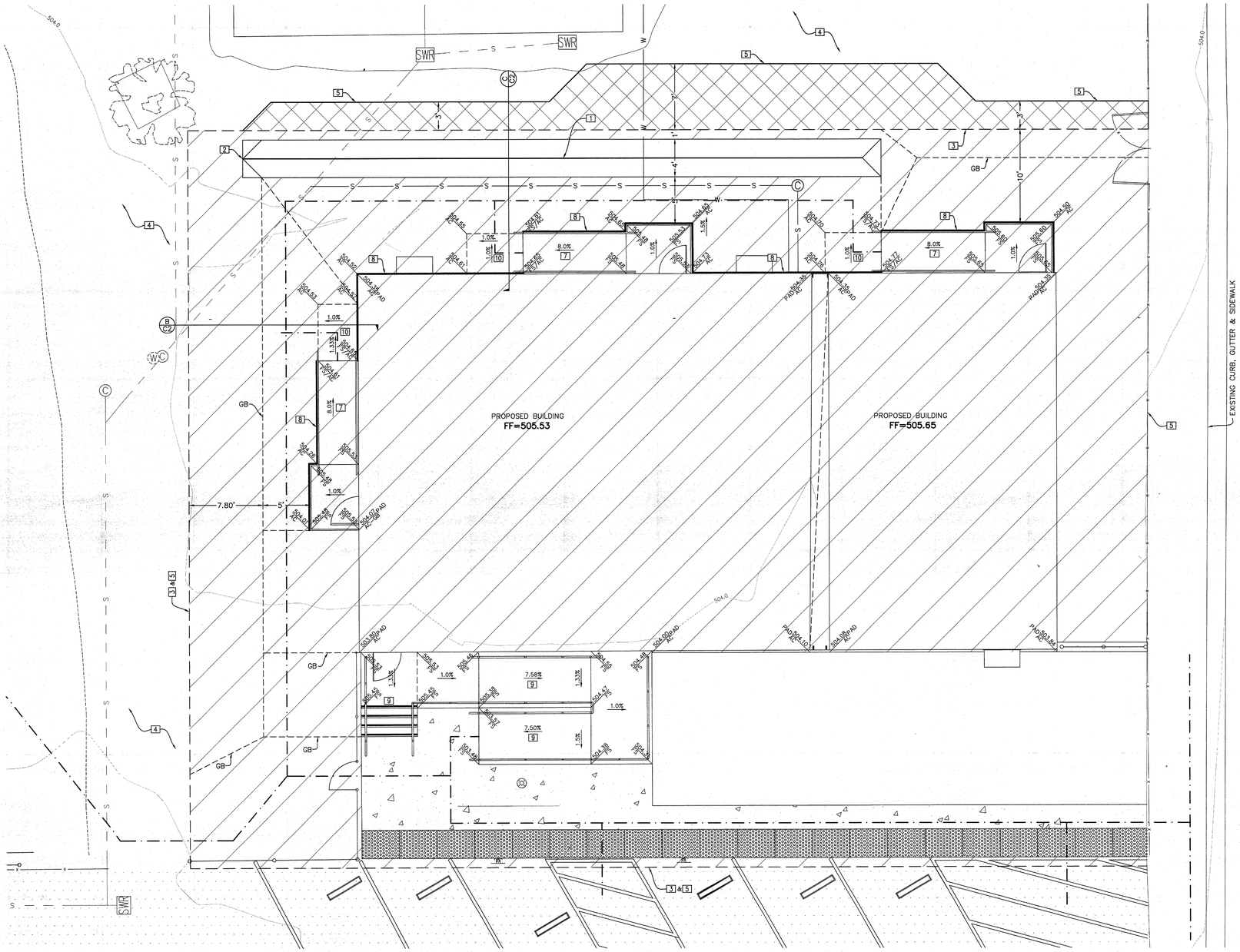
PORTER & ASSOCIATES, INC.
ENGINEERING & SURVEYING
1200 21st Street, Bakersfield, California 93301
661.327.0362 FAX 661.327.1065

CIVIL IMPROVEMENTS OVERALL SITE GRADING PLAN

JOB NO.	1250
DRAWN:	MVC
CHECKED:	MVC
DATE:	04/27/2018

C1
OF 4 SHEETS

J:\3882F\Improvements\3882F_CI_Admin\dwg\3882F_CI_ADMIN.dwg 04/27/18 matthewcarlson



CONSTRUCTION NOTES

1. CONSTRUCT 4' WIDE V-GUTTER PER DETAIL B/C1
2. WARP GUTTER TO MATCH PAVEMENT OR CONCRETE.
3. SAWCUT TO NEAT CLEAN VERTICAL FACE.
4. EXISTING ASPHALT OR CONCRETE TO REMAIN, PROTECT IN PLACE.
5. MATCH EXISTING.
6. CONSTRUCT 5' WIDE SIDEWALK BEHIND EXISTING DRIVEWAY PER COUNTY OF KERN PLATE No. R-54.
7. CONSTRUCT RAMP PER BUILDING MANUFACTURER.
8. INSTALL GALVANIZED FLASHING PER DETAIL A/C2.
9. CONSTRUCT STAIRS AND RAMP PER ARCHITECT'S PLANS.
10. LEVEL LANDING.

CONSTRUCT MIN. 3" AC PAVING OVER MIN. 4" CLASS II AGG. BASE OVER 12" NATURAL GROUND COMPACTED TO 95% MAX. DENSITY.

GRIND 0.1' MINIMUM EXISTING AC AND OVERLAY TO DESIGN GRADES SHOWN.

CONSTRUCT MIN. 4" THICK CONCRETE OVER 12" NATURAL GROUND COMPACTED TO 90% MAX DENSITY.

EXISTING PAVEMENT. PATCH CRACKS AND SLURRY SEAL WITH CALTRANS 37-2 SLURRY SEAL. RESTRIPE PER ARCHITECT'S PLANS

NOTES:

1. CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS, UNDERGROUND UTILITIES, LANDSCAPING, IRRIGATION, ETC. TO REMAIN IN PLACE AND SHALL REPAIR ANY DAMAGES DURING DEMOLITION AND/OR CONSTRUCTION ACTIVITIES.
2. CONTRACTOR SHALL COORDINATE REMOVAL OR RELOCATION OF ALL EXISTING EQUIPMENT AND UTILITIES WITHIN LIMITS OF CONSTRUCTION WITH DISTRICT PRIOR TO CONSTRUCTION.
3. SEE ARCHITECT'S PLANS FOR ALL DIMENSIONS NOT SHOWN.
4. SEE ARCHITECT'S PLANS FOR DEMOLITION AND REMOVAL/ RELOCATION OF EXISTING EQUIPMENT, UTILITIES, ETC.
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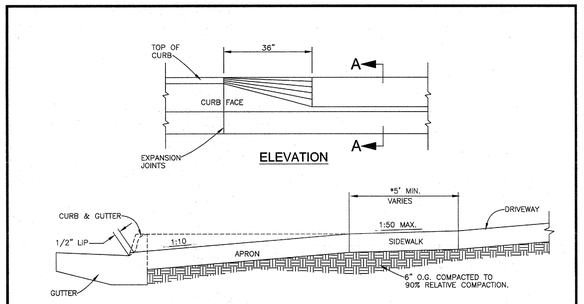
BENCHMARK USED

"X" MARKED ON TOP OF CONCRETE 11.7'± EAST AND 3.4'± SOUTH OF THE SOUTHEAST CORNER OF ADMINISTRATION BUILDING "C". ELEVATION = 103.08 FEET (ASSUMED DATUM)



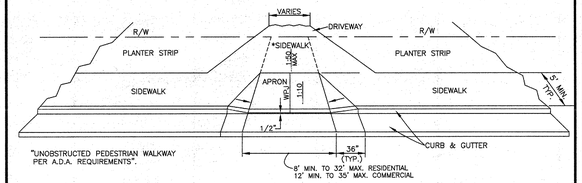
SECTION A-A WITH VERTICAL CURB

NOTES

1. EXPANSION JOINTS SHALL BE EITHER (A) 1/4" TO 1/2" PREMOLDED EXPANSION JOINT FILLER PER THE STANDARD SPECIFICATIONS, SEC. 51-1-12 OR (B) 2" DEEP SCORED JOINT.
2. WEAKENED PLANE JOINTS (WPJ) REQUIRED ON CENTERLINE FOR DRIVEWAYS 10' TO 20' WIDE. DRIVEWAYS 22' TO 35' WIDE SHALL HAVE TWO WPJ EVENLY SPACED AT 1/3 AND 2/3 POINTS.
3. ALL CONSTRUCTION AND MATERIALS SHALL BE IN CONFORMANCE WITH STANDARD SPECIFICATIONS.
4. THICKNESS OF APRONS AND SIDEWALK BETWEEN APRON & DRIVEWAY SHALL BE 6" OF CONCRETE.
5. TO BE CONSTRUCTED ON ALL STREETS WITH A2-6 CURB AND GUTTER.
6. PLANTER STRIP AS PER 503-14-02
7. CONCRETE SHALL BE CLASS 3.
8. NO COLORING SHALL BE ADDED.

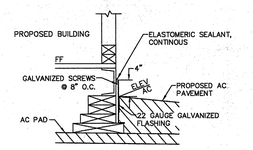
* PROVIDE REQUIRED PEDESTRIAN EASEMENT IF OUTSIDE R/W. SIDEWALK MAY BE REDUCED TO 4'-0" WIDE BETWEEN APRON AND DRIVEWAY.

** IF CURB AND GUTTER ARE POURED SEPARATE OF APRON THEN DOWELS ARE REQUIRED AT BACK OF CURB. 3" IN CURB AND 9" IN CENTER OF APRON.

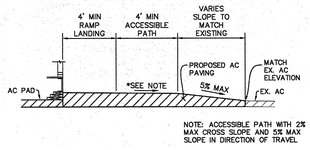


PLOTTED: 02/25/2010 — I:\Drafting\Archive\DEV_STD\R57D_OR(Dte_1\1\R-54.dwg

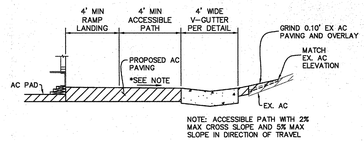
Revisions		DATE: 8-12-2009	COUNTY OF KERN STATE OF CALIFORNIA DEVELOPMENT STANDARD	SIDEWALK DRIVEWAY DETAIL TYPE "B" RESIDENCE/COMMERCIAL	PLATE NO. R-54
Date	Desc				
1/20/10	REVISED	DESIGNED BY: A.A.			
-	-	DRAWN BY: D.M.			
-	-	CHECKED BY: G.F.			
-	-				



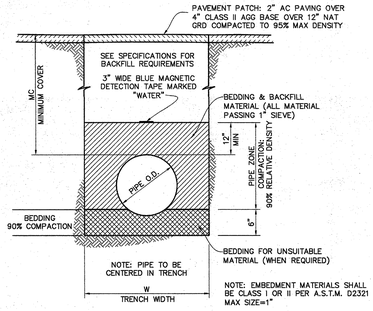
A/C2 GALVANIZED FLASHING DETAIL NTS



B/C2 ACCESSIBLE PATH DETAIL NTS

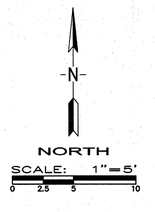


C/C2 ACCESSIBLE PATH DETAIL NTS



TRENCH DIMENSIONS		
PIPE SIZE	W	MC
4"	22"	30"
6"	24"	30"
8"	30"	30"
10"-12"	36"	36"

D/C2 TYPICAL PVC PIPE TRENCH SECTION NTS



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FOR

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AC DATE: MAY 22 2018
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PTN: 63321-308

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661.327.0362 FAX 661.327.1065

CIVIL IMPROVEMENTS
BUILDING
GRADING PLAN
DETAIL

JOB NO.	DRAWN:	CHECKED:	DATE:
1250	MVC	MVC	04/27/2018

C2
OF 4 SHEETS

A:\28525\Improvements\28525'_C_Admin\Dwg\28525'_C_ADMIN.dwg 04/27/18 matthewcorson

SEWER AND DOMESTIC WATER CONSTRUCTION NOTES

① TIE INTO EXISTING SEWER. MINIMUM DEPTH TO INVERT OF SEWER SHALL BE 4.0' FROM TOP OF EXISTING PAVEMENT AND MINIMUM SIZE SHALL BE 4". CONTRACTOR SHALL VERIFY SIZE, LOCATION AND DEPTH OF SEWER IN FIELD PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES. IF MINIMUM SIZE AND DEPTH ARE NOT ACCEPTABLE, CONTRACTOR NOTIFY ENGINEER FOR ALTERNATE ROUTE.

② TIE INTO EXISTING WATER LINE. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF EXISTING MAIN IN FIELD PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.

③ INSTALL 4" PVC SEWER @ 1.0% MINIMUM SLOPE (DISTANCES SHOWN).

④ INSTALL 2" PVC WATER LINE (DISTANCES SHOWN).

⑤ CONSTRUCT SEWER CLEAN-OUT (100' MAX SPACING) PER DETAIL (D/C2).

⑥ SAWCUT EXISTING ASPHALT PAVEMENT, TRENCH & BACKFILL PER DETAIL (D/C2).

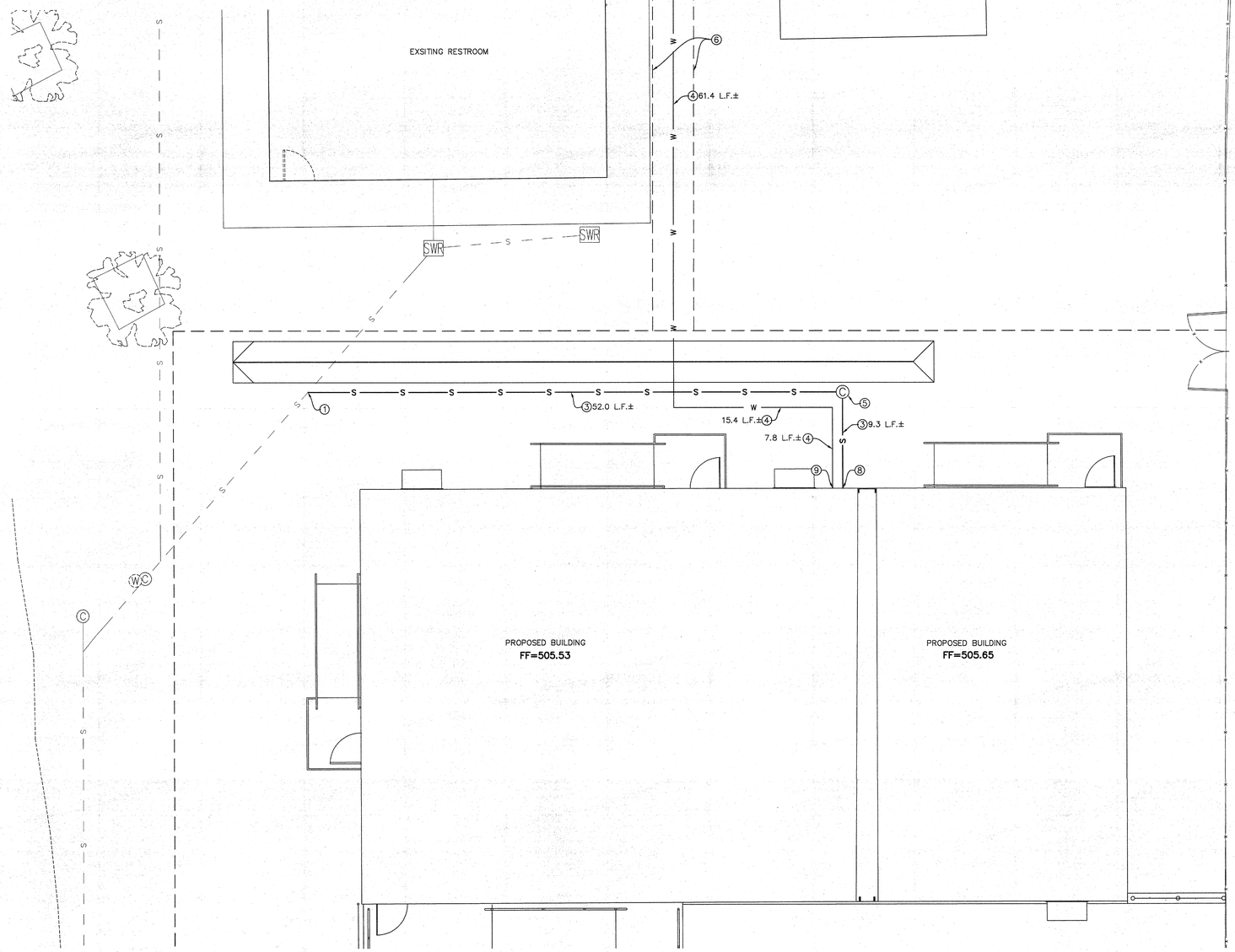
⑦ INSTALL WATER SHUT-OFF VALVE PER DETAIL (C/C2).

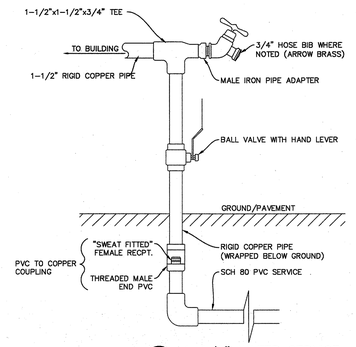
⑧ INSTALL SEWER CONNECTION AT BUILDING PER DETAIL (B/C2).

⑨ INSTALL WATER SERVICE CONNECTION AT BUILDING PER DETAIL (A/C2).

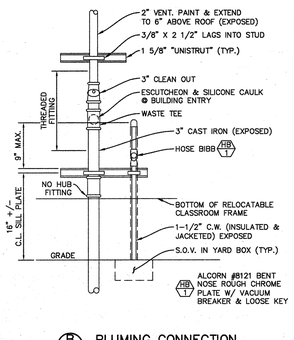
NOTES:

1. CONTRACTOR SHALL INSTALL ALL ELBOWS, TEES & APPURTENANCES AS NECESSARY TO FURNISH A COMPLETE PROJECT.
2. CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS, UNDERGROUND UTILITIES, LANDSCAPING, IRRIGATION, ETC. TO REMAIN IN PLACE AND SHALL REPAIR ANY DAMAGES DURING DEMOLITION AND/OR CONSTRUCTION ACTIVITIES.
3. EXISTING UNDERGROUND UTILITIES HAVE BEEN SHOWN BASED ON AVAILABLE RECORDS PROVIDED BY THE OWNER. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. CONTRACTOR SHALL COORDINATE REMOVAL OR RELOCATION OF CONFLICTING UTILITIES WITH OWNER.

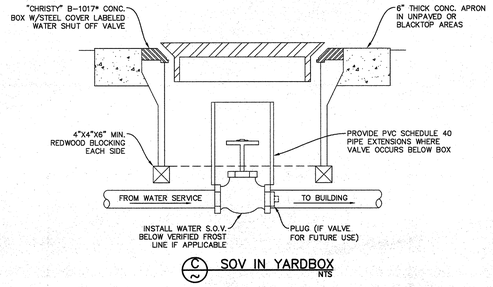




A 1-1/2" WATER SERVICE NTS



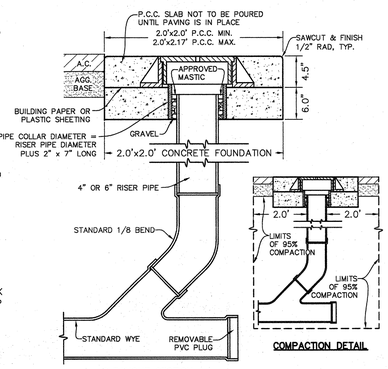
B PLUMING CONNECTION NTS



C SOV IN YARDBOX NTS

CLEANOUT NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE SPECIFICATIONS ENTITLED "STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, BUSINESS AND TRANSPORTATION AGENCY, DEPARTMENT OF TRANSPORTATION", APPROVED CURRENT EDITION.
2. ALL CONCRETE SHALL BE CLASS "A".
3. CONCRETE SHALL HAVE NO ADDITIVES UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE ENGINEER.
4. CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED CURING COMPOUND PER SEC. 90-7.01B OF THE STANDARD SPECS.
5. TOP OF SLAB SHALL BE TROWELED SMOOTH AND GIVEN A LIGHT BROOM FINISH.
6. 95% RELATIVE COMPACTION IS REQUIRED FOR ALL BACKFILL WITHIN 24" OF THE RISER PIPE.
7. BUILDING PAPER OR PLASTIC SHALL BE PLACED BETWEEN THE 6" CONCRETE FOUNDATION AND 4.5" SLAB.
8. FILL CAVITY BETWEEN PIPE AND COLLAR WITH GRAVEL TO WITHIN 1/2" OF TOP OF PIPE. CAULK REMAINING 1/2" WITH APPROVED MASTIC TO TOP OF PIPE FOR WATER TIGHT SEAL.
9. COLLAR SHALL BE VCP, ABS, OR PVC PIPE.
10. FINISHED PCC SLAB TO BE 1/8" MIN. AND 1/4" MAX. BELOW FINISHED PAVING SURFACE.

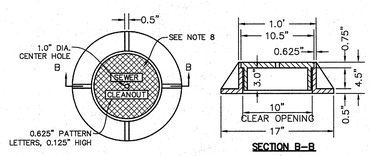


CLEANOUT SECTION

COMPACTION DETAIL

CLEANOUT COVER NOTES:

1. ALL FRAMES AND COVERS SHALL BE TESTED FOR ACCURACY OF FIT AND SHALL BE MARKED IN SETS PRIOR TO DELIVERY.
2. THE SEATS OF FRAMES AND BEARING FACES OF THE COVERS SHALL BE MACHINED FOR A SMOOTH NON-ROCKING FIT BETWEEN THE TWO CASTINGS.
3. CASTINGS SHALL BE THOROUGHLY CLEANED AND DIPPED TWICE IN A QUICK-DRYING, JET-BLACK ASPHALTIC COMPOUND TO PROVIDE A PROTECTIVE COATING.
4. ALL FRAMES AND COVERS SHALL BE GRAY CAST IRON, FREE FROM WARPS, CRACKS, HOLES, SWELLS AND COLD-SHOT, AND SHALL HAVE A WORKMANLIKE FINISH. HIGHWAY LOADING SHOULD BE HS 20-44.
5. CASTING SHALL CONFORM TO THE PROVISIONS OF THE SPECIFICATIONS FOR GRAY-IRON CASTINGS, SERIAL DESIGNATION ASTM: A-48 (LATEST REVISION), CLASS No. 30B.
6. THE NAME OF THE MANUFACTURING COMPANY SHALL BE ON THE UNDERSIDE OF THE COVER.
7. ASSEMBLY SHALL BE DESIGNED FOR HIGHWAY LOADING OF HS 20-44.
8. 2.0"x1.0" DIAMOND MAT 0.125" DEEP.



SECTION B-B

CLEANOUT FRAME & COVER

D SEWER CLEANOUT DETAIL N.T.S.

-N-
NORTH
SCALE: 1"=5'
0 2.5 5 10

MARK	DATE	REVISIONS
1		
2		
3		

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

SITE IMPROVEMENTS FOR 48'x40' ADMIN. & 24'x40' WORK RM. MODULARS AT
HORACE MANN ELEMENTARY SCHOOL
2710 NILES STREET, BAKERSFIELD, CA. 93306
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA, 93305

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP'L 03-119040
FILE 15-6
AC FLS SS A
DATE: MAY 22 2018
PTN: 63321-308

ARCHITECT
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-23788 REN. 08/31/19 CALIFORNIA
STEPHEN J. CORBIN, NCARB, AIA, LEED™ AP BD+C

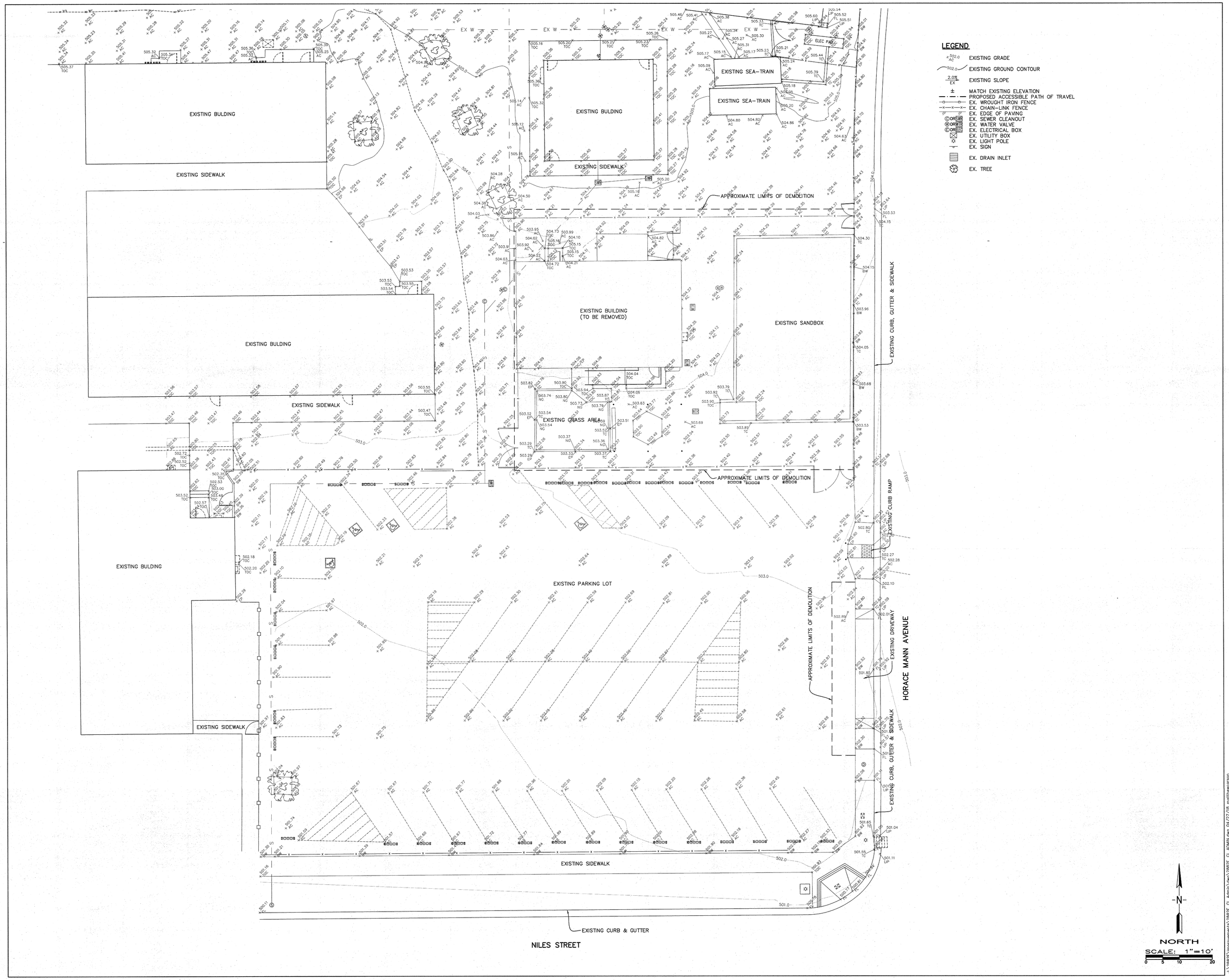
REGISTERED PROFESSIONAL ENGINEER JARED W. PORTER RCE 74059 CIVIL STATE OF CALIFORNIA

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

CIVIL IMPROVEMENTS SEWER AND WATER PLAN

JOB NO.
1250
DRAWN: MVC
CHECKED: MVC
DATE: 04/27/2018

J:\2882F\Improvements\2882F_CI_Admin\dwg\2882F_CI_Admin.dwg 04/27/18 matthewcarson



LEGEND

- EXISTING GRADE
- EXISTING GROUND CONTOUR
- EXISTING SLOPE
- MATCH EXISTING ELEVATION
- PROPOSED ACCESSIBLE PATH OF TRAVEL
- EX. WROUGHT IRON FENCE
- EX. CHAIN-LINK FENCE
- EX. EDGE OF PAVING
- EX. SEWER CLEANOUT
- EX. WATER VALVE
- EX. ELECTRICAL BOX
- EX. UTILITY BOX
- EX. LIGHT POLE
- EX. SIGN
- EX. DRAIN INLET
- EX. TREE

MARK	DATE	REVISIONS
1		
2		
3		

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

SITE IMPROVEMENTS FOR 48'x40' ADMIN. & 24'x40' WORK RM. MODULARS AT HORACE MANN ELEMENTARY SCHOOL

2710 NILES STREET, BAKERSFIELD, CA. 93306

FOR

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD, KERN COUNTY, CALIFORNIA, 93305

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ARCHITECT SCI INC.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-18788 REN. 12/30/01 CALIFORNIA
STEPHEN J. CORBIN, NCARB, AIA, LEED®-AP BD+C

REGISTERED PROFESSIONAL ENGINEER FRED W. PORTER RCE 74059 CIVIL STATE OF CALIFORNIA
PORTER & ASSOCIATES, INC.
ENGINEERING & SURVEYING
1200 21st Street, Bakersfield, California 93301
661.327.0362 FAX 661.327.1065

CIVIL IMPROVEMENTS TOPOGRAPHIC SURVEY

JOB NO.	1250
DRAWN :	MVC
CHECKED :	MVC
DATE :	04/27/2018

C4
OF 4 SHEETS

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HORACE MANN ELEMENTARY SCHOOL DIRECTORY

BLDG #	APPLICATION NUMBERS	CLOSED WITH CERTIFICATION	BUILDING USE
(E) BLDG M-1	1900/11363/51532		MULTIPURPOSE/CAFETERIA/TOILETS STORAGE/ADMINISTRATION
(E) BLDG M-2	3234/11363/51532		4 CLSRMS/LIBRARY/STORAGE
(E) BLDG M-3	10477/51532		4 CLSRMS/1 KINDERGARTEN/MISC TOILETS/ADMINISTRATION/STORAGE
(E) BLDG A	41506		2 KINDERGARTEN/TOILETS/STORAGE
(E) BLDG B	11363/51532		3 CLSRMS/TOILETS
(E) BLDG C	11363/51532		2 CLSRMS/STORAGE
(E) BLDG D	11363/51532		3 CLSRMS/STORAGE
(E) BLDG E	11363/51532		3 CLSRMS
(E) BLDG F	41506		TOILETS
(E) BLDG G*	101642/41506/30116	#1, 05-30-2000	6 RELO CLSRMS/TOILETS/SPECIAL ED.
(E) BLDG R-1	17766/43487		ADMINISTRATION/TOILETS/MISC
(E) BLDG R-2	17766		2 CLSRMS
(E) BLDG R-3	NON-CONFORMING		2 KINDERGARTENS
(E) BLDG R-4	30116		SPECIAL ED.
(E) BLDG B1	03-106605	#1, 04-27-2005	CLASSROOM
(E) BLDG B2	03-106605	#1, 04-27-2005	CLASSROOM
(E) BLDG B5	03-106605	#1, 04-27-2005	CLASSROOM
(E) BLDG B6	03-106605	#1, 04-27-2005	CLASSROOM
(E) BLDG B7	03-106605	#1, 04-27-2005	CLASSROOM
(E) BLDG B8	03-106605	#1, 04-27-2005	TOILETS
(E) BLDG R-5	03-116978	#1, 08-14-2017	CLASSROOM
(E) BLDG R-9	03-116978	#1, 08-14-2017	CLASSROOM
(E) BLDG R-10	03-116978	#1, 08-14-2017	CLASSROOM
(E) BLDG R-11	03-116978	#1, 08-14-2017	CLASSROOM
(E) BLDG R-12, 13	03-116978		CLASSROOM
BLDG R-14	THIS APPLICATION		ADMINISTRATION
BLDG R-15	THIS APPLICATION		WORKROOM

*INCLUDES BLDG F AND BLDG R-4

DISPERSAL CALCULATIONS / BLDG ANALYSIS

PER CBC 2016 452.1.3 & 1096.6.3

TOTAL OCCUPANT AREAS *	TOTAL OCC x SF = TOTAL AREA REQUIRED	TOTAL 30"x48" (10 SQ.FT) WHEELCHAIR SPACE REQUIRED	TOTAL AREA W/ WHEELCHAIR SPACE PROVIDED	SAFE DISPERSAL AREA
R14, R15	48 x 40 = 1920/100=19.2 24 x 40 = 960/20=48 19.2 + 48= 67.2	67.2-2 = 65.2 x 3 = 195.6 195.6 ÷ 20 = 215.6	15' x 15' = 225# INCLUDING (2) WHEELCHAIR SPACE	A

CLUSTER	BLDG. NUMBER	APPLICATION NUMBER	BUILDING IDENTIFICATION	BUILDING OCCUPANCY TYPE	TYPE OF CONSTRUCTION	ACTUAL "H" STRY/FT	ACTUAL AREA PER OCCUPANCY		BASIC ALLOWABLE AREA
A	R14	THIS APPLICATION	ADMIN.	B	VB	1/1 13'-6"	1920	2,880	9000
	R15	THIS APPLICATION	WK. RM.	B			960		

GATE SCHEDULE

(G #)

GATE SIZE (EACH LEAF)	MATL	FRAME MATL	HDWR NO.	DETAIL	PANIC HDWR	REMARKS	GATE NO.
3'-0"x6'-0"	GL	STL	01	11/A-10.0	N/A	GATES PER SPEC.S	G1

PARKING RATIO CALC

(E) PARKING LOT-"A"	
REGULAR STALLS	26
ACCESSIBLE STALLS	
ACCESSIBLE VAN STALL	+1
TOTAL	28

PARKING LOT-"B"	
REGULAR STALLS	45
ACCESSIBLE STALLS	
ACCESSIBLE VAN STALL	+1
TOTAL	47

PER CBC 2017 11B-208, TABLE 11B-208.2

LEGEND:

- PROPOSED 4" MIN CONC. WALK, SEE 19/A10.0
- EXISTING BUILDING TO REMAIN, (NOT SCHEDULED FOR THIS BUILD)
- PROPOSED MODULAR BUILDINGS, SEE AMS P.C. DRAWINGS
- 3" O/ AC PAVING, O/ 4" AGG. BASE CLASS II 12" NATIVE COMPACTED GRADE @ 90% U.N.O, SEE 19/A10.0
- EXISTING AC PAVING, PATCH CRACKS & SLURRY SEAL PER CALTRANS ST-2 RESTRIPE PER PLANS
- (A) AREA OF REFUSE
- MATCH (N) AC, W/ (E) AC
- EXISTING 20'-0" FIRE LANE ACCESS
- NUMBER OF PARKING STALLS (REFERENCE PARKING RATIO CALC.)
- (E) RESTROOMS — (M) MEN'S, (W) WOMEN'S, (S) STAFF, (B) BOY'S, (G) GIRL'S
- PROPERTY LINE
- x — x — PROPOSED 6' HIGH CHAIN-LINK FENCE
- x — x — EXISTING 6' HIGH CHAIN-LINK FENCE
- EXISTING STEEL FENCING

DSA 810

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 09-01.

PROJECT INFORMATION

School District/Owner: BAKERSFIELD CITY SCHOOL DISTRICT

Project Name/School: HORACE MANN ELEMEMTARY SCHOOL

Project Address: 2710 NILES STREET

LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name: KERN COUNTY FIRE DEPARTMENT - PREVENTION

LFA Reviewer Name: JIM KILLAM — Title: FPS-2

Email: jkillam@co.kern.ca.us — Telephone Number: 661-862-5007

I have reviewed and responded to the applicable items for this project as listed below.

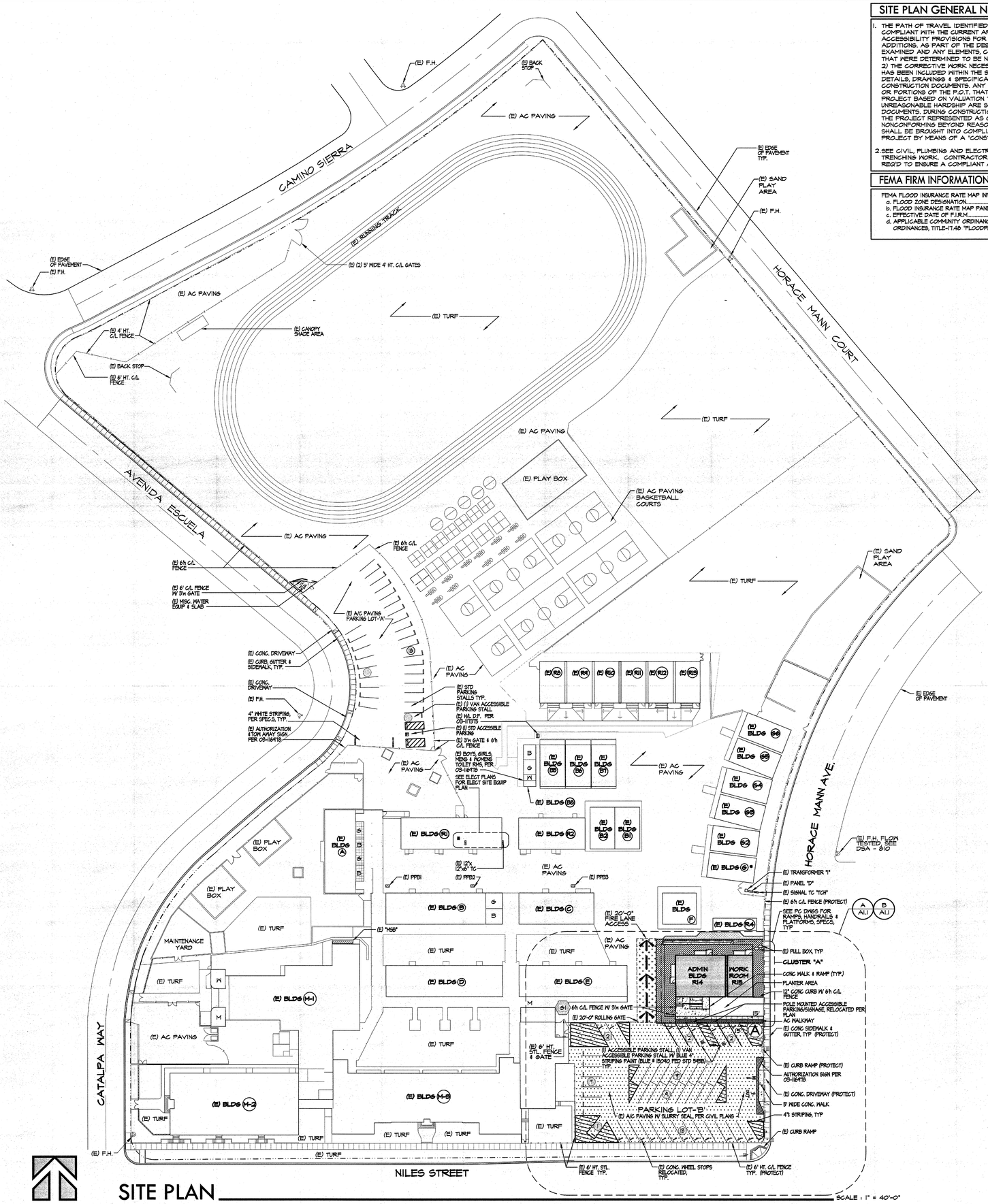
Note: Only sign this form when it is imaged onto the site plan. A loose form is not acceptable to DSA.

LFA Reviewer's Signature: Jim Killam Date: 04-17-18

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

	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.) ☐ Yes ☒ No Check type if "Yes": ☐ Moderate ☐ High ☐ Very High ☐ WFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
8	COMMENTS (note deficiencies): HYDRANT-10327b032; FLOW-TESTED 4-13-18; HORACE MANN AVE; 2967gpm @ 20psi				

DSA 810 (rev 05-12-14) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — Page 1 of 1 STATE OF CALIFORNIA



PLAN NORTH

SITE PLAN

SCALE : 1" = 40'-0"

SITE PLAN GENERAL NOTES

1. THE PATH OF TRAVEL IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ADDITIONS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED & 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS & SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A "CONSTRUCTION CHANGE DOCUMENT."
2. SEE CIVIL, PLUMBING AND ELECTRICAL SITE PLANS FOR PIPE, CONDUIT AND TRENCHING WORK. CONTRACTOR SHALL COORDINATE ALL WORK AS REQ'D TO ENSURE A COMPLIANT AND FINISHED PROJECT.

FEMA FIRM INFORMATION

FEMA FLOOD INSURANCE RATE MAP INFORMATION
a. FLOOD ZONE DESIGNATION.....ZONE-X
b. FLOOD INSURANCE RATE MAP PANEL DESIGNATION...06029C1840E.
c. EFFECTIVE DATE OF F.I.R.M.....9-26-08.
d. APPLICABLE COMMUNITY ORDINANCE SECTION.....KERN COUNTY, CA. CODE OF ORDINANCES, TITLE-17.46 "FLOODPLAIN MANAGEMENT"

MARK	DATE	REVISIONS
1		
2		
3		

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

SITE IMPROVEMENTS FOR 48'x40' ADMIN. & 24'x40' WORK RM. MODULARS AT HORACE MANN ELEMENTARY SCHOOL

2710 NILES STREET, BAKERSFIELD, CA. 93306

FOR

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD, KERN COUNTY, CALIFORNIA, 93305

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL: 03-119040
FILE: 15-6
AC
DATE: MAY 22 2018
PTN : 63321-308

SCARCHITECT INC
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT — STEPHEN J. CORONA — No. C-16218 — STATE OF CALIFORNIA

STEPHEN J. CORONA, NCARB, AIA, LEED® AP BD+C

SITE PLAN, SITE LEGEND, SITE GENERAL NOTES, SCHOOL DIRECTORY, CODE & EXIT ANALYSIS, PARKING CALC.

JOB NO.	1250
DRAWN :	I.E.C.
CHECKED :	S.J.C.
DATE :	3-29-18

1.0
6 OF 82 SHEETS

PARTIAL SITE DEMO PLAN

PLAN NORTH

SCALE: 1" = 20'-0"

SITE PLAN LEGEND:

- DEMO (E) BLDS, FENCES, CURBS, RAMPS, ECT.
- PROPOSED CONCRETE
- PROPOSED MODULAR BUILDINGS
- EXISTING BUILDING TO REMAIN (NOT SCHEDULED FOR THIS BUILD)
- 3" MIN AC PAVING OVER 4" AGG. BASE 12" NATIVE COMPACTED @ 90% U.N.O, SEE CIVIL PLANS
- (E) AC PAVING PATCH CRACKS, SEAL SURFACE W/ CALTRANS 37-2 SLURRY SEAL, RESTRIPE PER PLANS
- PATH OF TRAVEL
- GRADE BREAK
- PROPERTY LINE
- PROPOSED 6' HIGH CHAIN-LINK FENCE
- EXISTING 6' HT. METAL FENCE (PROTECT)
- EXISTING STEAL FENCE

DEMO (E) 6' HT. C/L FENCE & 3' WIDE GATES, TYP
(E) BLDG OVERHANG
(E) BLDG (E) #11363/51532
(E) A.C. TYP
(E) CONC. WALK, TYP
(E) 6' HT STL FENCE & GATES (TO REMAIN)
(E) 6' HT C/L FENCE, (TO REMAIN)
(E) 20'-0" W, 6' H. C/L ROLLING GATE, (TO REMAIN)
(E) AC PARKING LOT
ALL (E) STRIPINGS TO BE BLACKOUT, TYP
(E) TURF
(E) CONC WALK TYP
(E) 6' HT. STL. FENCE & GATES (TO REMAIN)
(E) CONC WALK (TO REMAIN)
(E) 6' HT C/L FENCE (TO REMAIN)

(E) 6' HT C/L FENCE & GATES (TO REMAIN)
DEMO (E) PLAY GROUND WOOD CHIPS INFILL, BACKFILL & COMPACT IN 6" LIFTS COMPACT 90% DMC
DEMO (E) BLDG (R3)
(E) FENCE POST (TO REMAIN)
DEMO & SALVAGE (E) FENCE POST MOUNTED ACCESSIBLE PARKING/SIGNAGE PER #03-116978, TYP OF (2)
BLACKOUT (E) PAINT 2" WIDE WHITE FIGURE W/ BLUE BACKGROUND, TYP
DEMO (E) CURB & RAMP
BLACKOUT (E) 4" BLUE PAINT STRIPES, TYP
DEMO (E) 6' HT C/L FENCE & 3' WIDE GATE, TYP
(E) CONC WHEEL STOPS TO BE REMOVED, ALL HOLES TO BE PATCHED AND SALVAGE FOR REUSE PER PLAN, TYP
(E) CONC PEDESTRIAN CROSSWALK (TO REMAIN)
(E) AUTHORIZATION SIGN PER 03-116978 (TO REMAIN)
(E) CONC DRIVEWAY (TO REMAIN)
(E) CONC SIDEWALK (TO REMAIN), TYP

HORACE MANN AVE.

+/-46'-3" TO (E) BLDG "E" F.V.
±48'-0 MODULAR BLDG
2'-0"
±24'-0" MODULAR BLDG
10'-3" TO P/L

MATCH EXISTING AC PAVING, PER CIVIL PLAN, TYP
4'h CONC V-GUTTER, PER CIVIL PLAN, TYP
SAWCUT AC PAVING, PER CIVIL PLAN, TYP
(E) AC, TYP
AC PAVING SLOPE AWAY FROM BLD @ 2% MAX. PER CIVIL PLAN, TYP
6B, TYP
(E) STORM DRAIN
(E) WATER LINE
(E) SANITARY SEWER, TYP
(E) FULL BOXS, TYP
CLEAN-OUT, PER CIVIL PLAN
RAMP DOWN 1:12 MAX. SLOPE
R-14
FF..... 505.53'
AREA.....1,920 SF
SN..... 13392, 13393, 13394, 13395
P.C..... 04-114102 ; A 04-117380
STOCKPILE...17
R-15
FF.....505.65'
AREA.....960 SF
STOCKPILE..62
SN.....57950 & 57951
A.....04-104169
P.C.....04-101268
A:..R-RMP..04-117380
RAMP...PC..04-114102
FDN..PC04-111441
BLDG (E)
(E) WATER LINE
2" FROM CONC STAIRS TO FOF
3" FROM FOF TO C/L POST
6" FROM C/L TO FOC
ALIGN W/ EXISTING BLDG
11/4"ø SCHED 40 GALV RAILING & VERTS, TYP
CONCRETE STAIRS
6'h C/L FENCE & 3'h GATE
SALVAGED POLE MTD ACCESSIBLE SIGNAGE
(E) CONC. WALK, PROTECT IN PLACE
RAMP 1:12 MAX.
PLANTER AREA
TACTILE SURFACE
(N) AC. PAVING (MATCH EXISTING)
PG HVAC W/ ENCLOSURE, TYP
AC PAVING @ MODULAR, TYP
RAMPS, HANDRAILS & PLATFORMS, SEE PG DWGS, TYP
PLYWD CLOSURE (TYP OF 2)
4x6 RDWD HDR
6'-0"h C/L FENCE
1'-0"h CONC CURB
C/L FENCE POST INSTALLED TO END (E) FENCE @ WALK
CONC WALKWAY W/ TACTILE SURFACE, TYP
(E) CURB RAMP TO REMAIN, TYP
(E) TACTILE SURFACE TO REMAIN
(E) 6'h C/L FENCE POST, TO REMAIN
SAWCUT TO A NEAT CLEAN VERTICAL FACE, TYP
(E) 20'h C/L ROLLING GATE & F.D. ACCESS, TO REMAIN
(E) AC, PROTECT IN PLACE, TYP
MATCH EXISTING AC PAVING, PER CIVIL PLAN, TYP
(3) SPACES @10'-5" = 31'-5"
9' VAN ACC PARKING
1'-0" TYP
9'-0" TYP
16'-0" TYP
2" PL x 12" H. WHITE LETTERS
PAINT 4" BLUE @ 15090 FED STD 595B) PERIM. TYP., W/ WHITE STRIPES @3'o.c.
PAINT ACC SYMBOLS 2' WIDE WHITE FIGURE ON BLUE @ 15090 FED STD 595B) BACKGROUND, TYP
(E) PARKING AUTHORIZATION SIGN PER 03-116978, PROTECT
MATCH EXISTING AC PAVING, PER CIVIL PLAN, TYP
SAW-CUT AC & INSTALL CONC., SEE CIVIL FOR DWGS
WHITE PAINT DIRECTION ARROWS, TYP
IN
OUT
(E) CONC. DRIVEWAY, TO REMAIN, TYP
5' WIDE CONC. WALK BEHIDE EXISTING DRIVEWAY, PER COUNTY OF KERN PLATE No R-54, PER CIVIL DWGS

(E) CONC. WALK TYP
(E) BLDG
PAINT 4" WHITE STRIPING, TYP.
(E) A.C.
(E) CONC WALK
(E) TURF
(7) SPACE @ 9'-0" EA = 63'-0"
(8) 60 PARKING SPACE @ 10'-5" EA = 83'-4"
AC PAVING, PATCH CRACKS & SEAL SURFACE W/ CALTRANS 37-2 SLURRY SEAL, RESTRIPE PER PLANS
(E) 6' HT MTL FENCE PROTECT, TYP
(E) 6' HT C/L FENCE PROTECT, TYP
(E) CONC. SIDEWALK, TYP
MATCH EXISTING AC PAVING, PER CIVIL PLAN, TYP
(E) CONC. WHEEL STOPS TO BE INSTALLED PER PLAN, TYP
(13) 60 PARKING SPACES @ 10'-5" EA = 135'-5"
40'-1"
NILES STREET

PLAN NORTH

PARTIAL SITE PLAN

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

MARK	DATE	REVISIONS
1		
2		
3		

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

SITE IMPROVEMENTS FOR 48'x40' ADMIN. & 24'x40' WORK RM. MODULARS AT
HORACE MANN ELEMENTARY SCHOOL
2710 NILES STREET, BAKERSFIELD, CA. 93306
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA, 93305

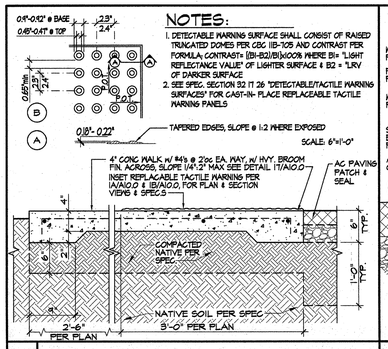
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL: 03-119040
FILE: 15-6
AC PLS SS
DATE: MAY 22 2018
PTN : 63321-308

SCARCHITECT inc
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN RENEWAL 08/31/2019 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, AIA, LEED®-AP BD+C

PARTIAL 'SITE PLAN
PARTIAL SITE DEMO PLAN

JOB NO.	1250
DRAWN :	I.E.C.
CHECKED :	S.J.C.
DATE :	3-29-18

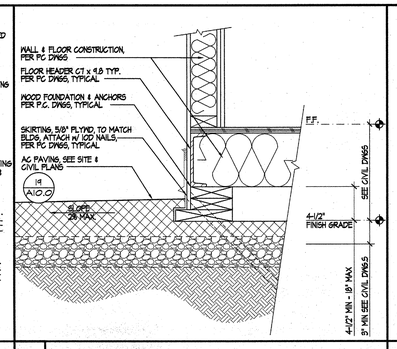
1.1
7 OF 82 SHEETS



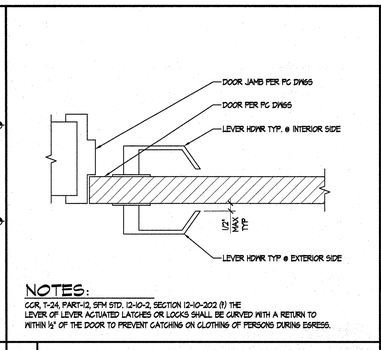
NOTES:

1. DETECTABLE WARNING SURFACE SHALL CONSIST OF RAISED TRUNCATED DOMES PER CBC 11B-705 AND CONTRAST PER FORMULA CONTRAST= [(B1-B2)/(B1)]X100% WHERE B1= "LIGHT REFLECTANCE VALUE" OF LIGHTER SURFACE & B2 = "LRV OF DARKER SURFACE
2. SEE SPEC. SECTION 32 17 26 "DETECTABLE/TACTILE WARNING SURFACES" FOR CAST-IN- PLACE REPLACEABLE TACTILE MARKING PANELS.

1 | RAMP FLUSH TRANSITION | SCALE: 1 1/2" = 1'-0"



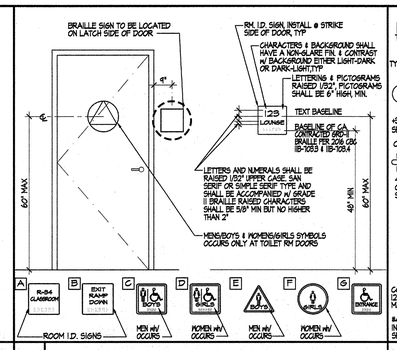
2 | A.C. PAVING @ MODULAR | SCALE: 1-1/2" = 1'-0"



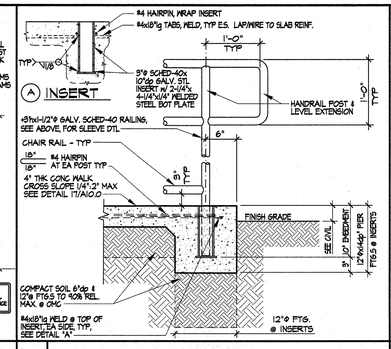
NOTES:

CCR, T-24, PART-12, SFM STD. 12-10-2, SECTION 12-10-202 (1) THE LEVER OF LEVER ACTUATED LATCHES OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN ½" OF THE DOOR TO PREVENT CATCHING ON CLOTHING OF PERSONS DURING EGRESS.

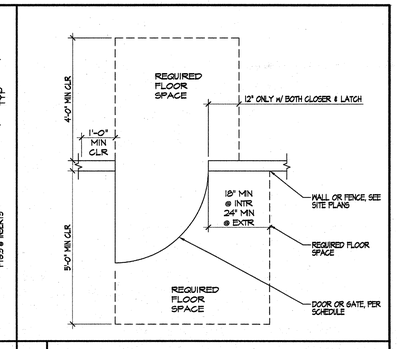
3 | DOOR/GATE LEVER HDWR | SCALE: 3" = 1'-0"



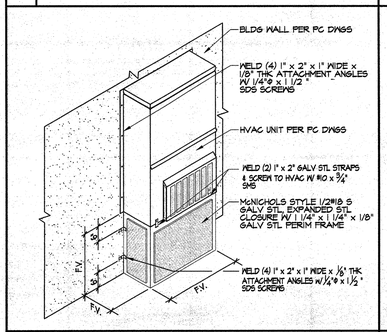
4 | DOOR SIGNAGE | SCALE: NTS



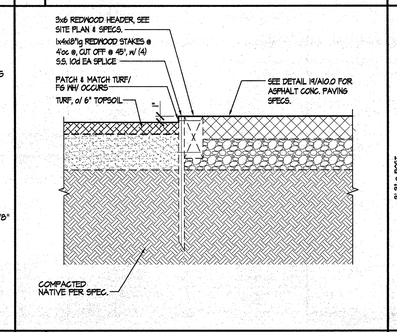
5 | HANDRAIL INSERT | SCALE: 1" = 1'-0"



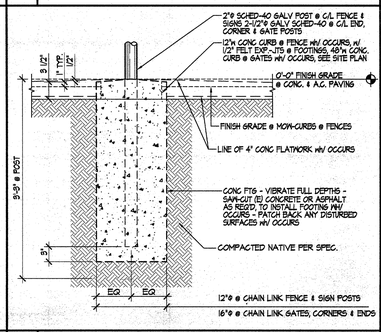
6 | CLEARANCE SPACE | SCALE: 1/2" = 1'-0"



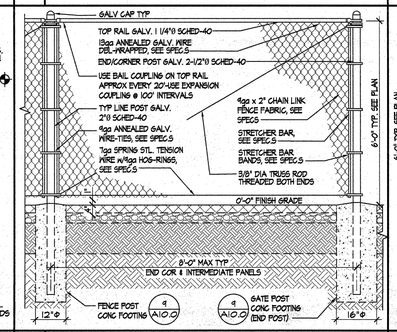
7 | HVAC EXP STL CLOSURE BLW HVAC | SCALE: NTS



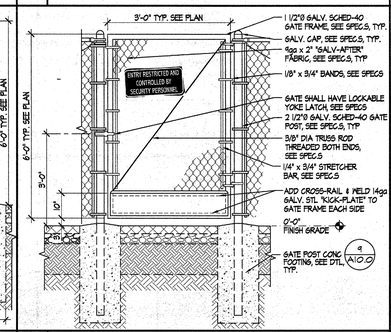
8 | REDWOOD HEADER | SCALE: 1 1/2" = 1'-0"



9 | POST FOOTING | SCALE: 1" = 1'-0"

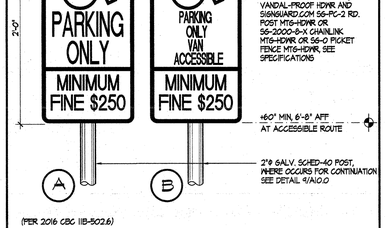


10 | CHAIN LINK FENCE | SCALE: 1/2" = 1'-0"



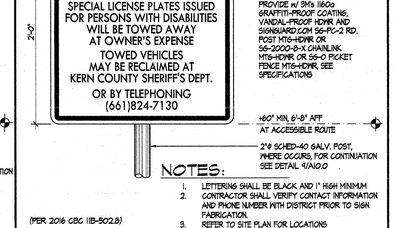
11 | CHAIN LINK GATE | SCALE: 1/2" = 1'-0"

12 | SCALE: X



(PER 2016 CBC 11B-502.6)

13 | ACCESSIBLE PARKING SIGNS | SCALE: 1 1/2" = 1'-0"

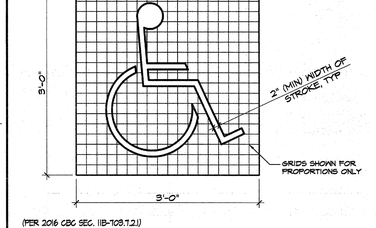


NOTES:

1. LETTERING SHALL BE BLACK AND 1" HIGH MINIMUM
2. CONTRACTOR SHALL VERIFY CONTACT INFORMATION AND PHONE NUMBER WITH DISTRICT PRIOR TO SIGN FABRICATION.
3. REFER TO SITE PLAN FOR LOCATIONS

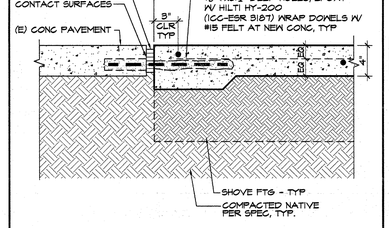
(PER 2016 CBC 11B-502.8)

14 | PARKING AUTHORIZATION SIGN | SCALE: 1 1/2" = 1'-0"

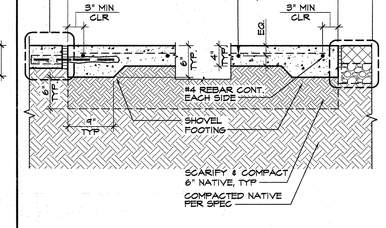


(PER 2016 CBC SEC. 11B-703.7.2.1)

15 | SYMBOL PROPORTIONS | SCALE: 1" = 1'-0"

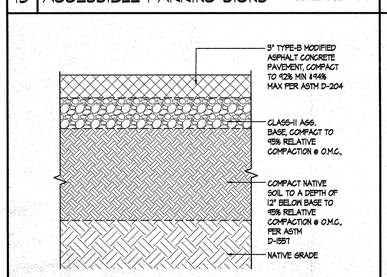


16 | CONC WALK TO (E) CONC | SCALE: 1½" = 1'-0"

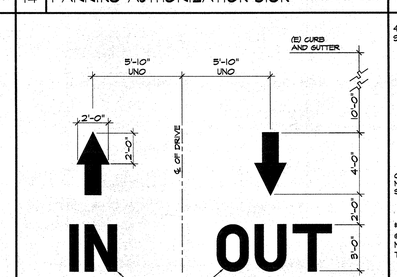


17 | CONCRETE WALK | SCALE: 1" = 1'-0"

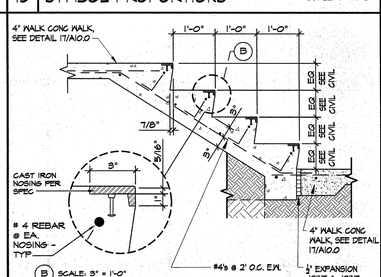
18 | CONC WALK TO AC PAVING | SCALE: 1½" = 1'-0"



19 | ASPHALT CONCRETE PAVING | SCALE: 1 1/2" = 1'-0"

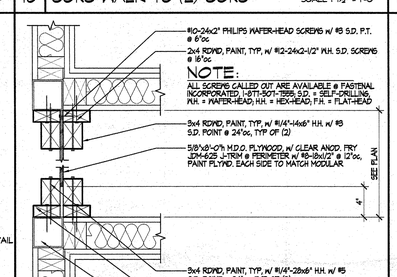


20 | DIRECTIONAL ARROWS | SCALE: ¼"=1'-0"



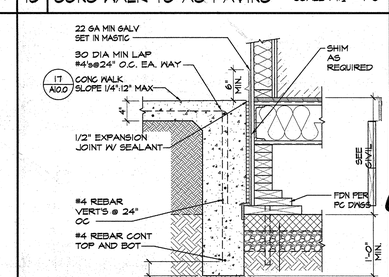
NOTE:
1. TREAD & RISER SHALL BE EQUALLY SPACED & CONFORM TO 2016 CBC 1011.5
2. PROVIDE NOSING AT ALL STEPS

21 | CONCRETE STEPS | SCALE: 1½"=1'-0"

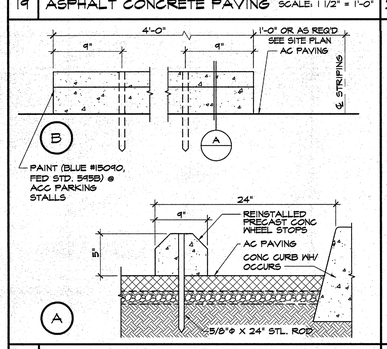


22 | CLOSURE PANEL | SCALE: 1 1/2" = 1'-0"

23 | SCALE: X

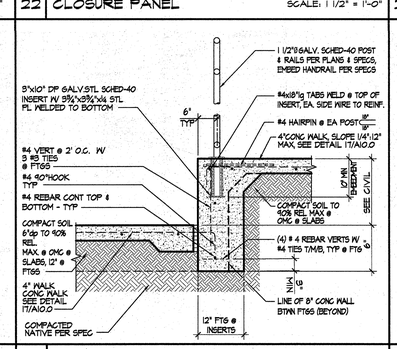


24 | RAISED CONC. WALK | SCALE: 1" = 1'-0"

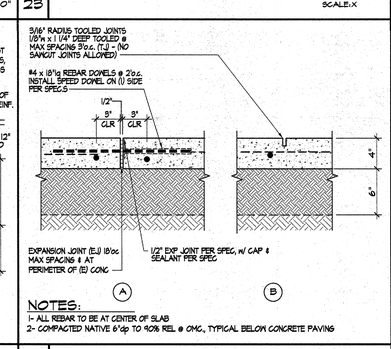


25 | WHEEL STOP | SCALE: 1½" = 1'-0"

26 | SCALE: X



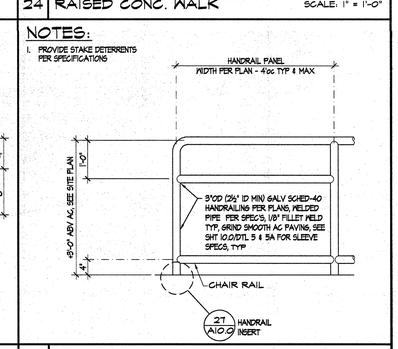
27 | HANDRAIL INSERT @ RAISED CONC | SCALE: 1" = 1'-0"



NOTES:

1- ALL REBAR TO BE AT CENTER OF SLAB
2- COMPACTED NATIVE 6"dp TO 90% REL @ OMC., TYPICAL BELOW CONCRETE PAVING

28 | CONCRETE JOINT | SCALE: 1-1/2" = 1'-0"



29 | HANDRAIL | SCALE: 1" = 1'-0"

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1		
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3		

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SITE IMPROVEMENTS FOR 48'x40' ADMIN. & 24'x40' WORK RM. MODULARS AT HORACE MANN ELEMENTARY SCHOOL

2710 NILES STREET, BAKERSFIELD, CA. 93306

FOR

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD, KERN COUNTY, CALIFORNIA, 93305

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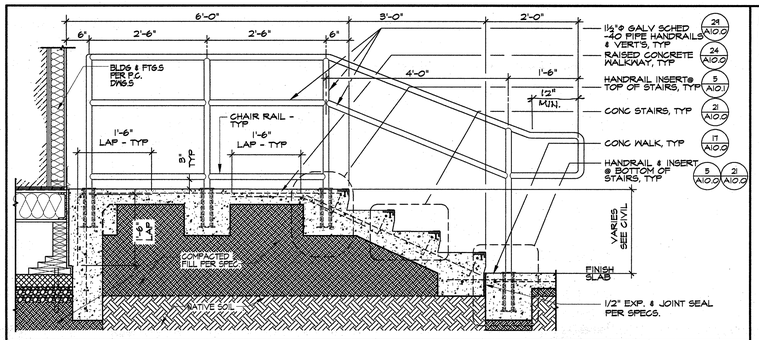
LICENSED ARCHITECT STEPHEN T. NORRIS No. C-16788 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA
STEPHEN T. NORRIS, NCARB, MA, LEED®-AP BD+C

MISCELLANEOUS DETAILS

JOB NO.	1250
DRAWN :	I.E.C.
CHECKED :	MMS
DATE :	3-29-18

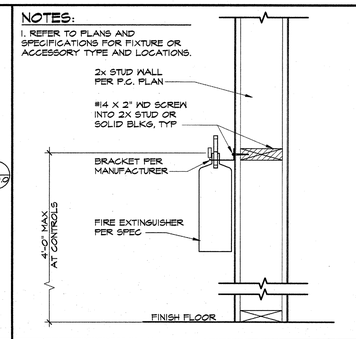
10.0
8 OF 82 SHEETS



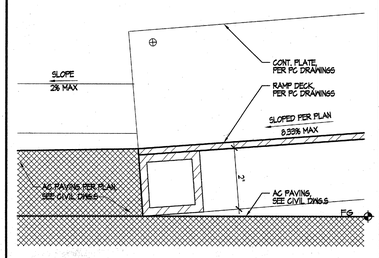
1 ELEVATION "C" (WEST) SCALE: 3/4" = 1'-0"

NOTES:

1. REFER TO PLANS AND SPECIFICATIONS FOR FIXTURE OR ACCESSORY TYPE AND LOCATIONS.

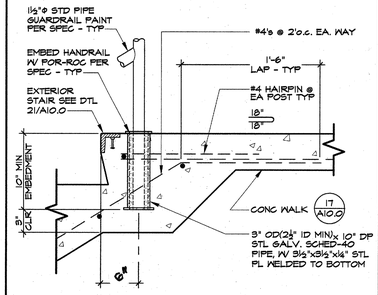


2 FIRE EXTINGUISHER MOUNTING SCALE: 1 1/2" = 1'-0"

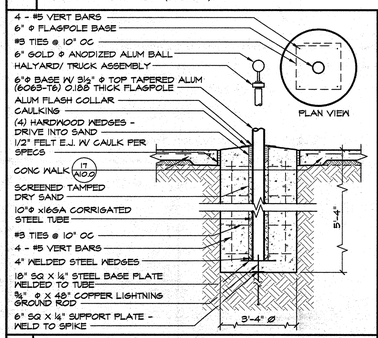


3 RAMP FLUSH TRANSITION SCALE: 6" = 1'-0"

4 SCALE : X



5 HANDRAIL INSERT SCALE: 1 1/2" = 1'-0"



6 FLAGPOLE DETAIL SCALE: 3/8" = 1'-0"

7 SCALE : X

8 SCALE : X

9 SCALE : X

10 SCALE : X

11 SCALE : X

12 SCALE : X

13 SCALE : X

14 SCALE : X

15 SCALE : X

16 SCALE : X

17 SCALE : X

18 SCALE : X

19 SCALE : X

20 SCALE : X

21 SCALE : X

22 SCALE : X

23 SCALE : X

24 SCALE : X

25 SCALE : X

26 SCALE : X

27 SCALE : X

28 SCALE : X

29 SCALE : X

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APPL: 03-119040
FILE: 15-6
AC FLS SS
DATE: MAY 22 2019

PTN : 63321-308

SCARCHITECT INC
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. CORBIN C-16788 REN 11/2019 STATE OF CALIFORNIA

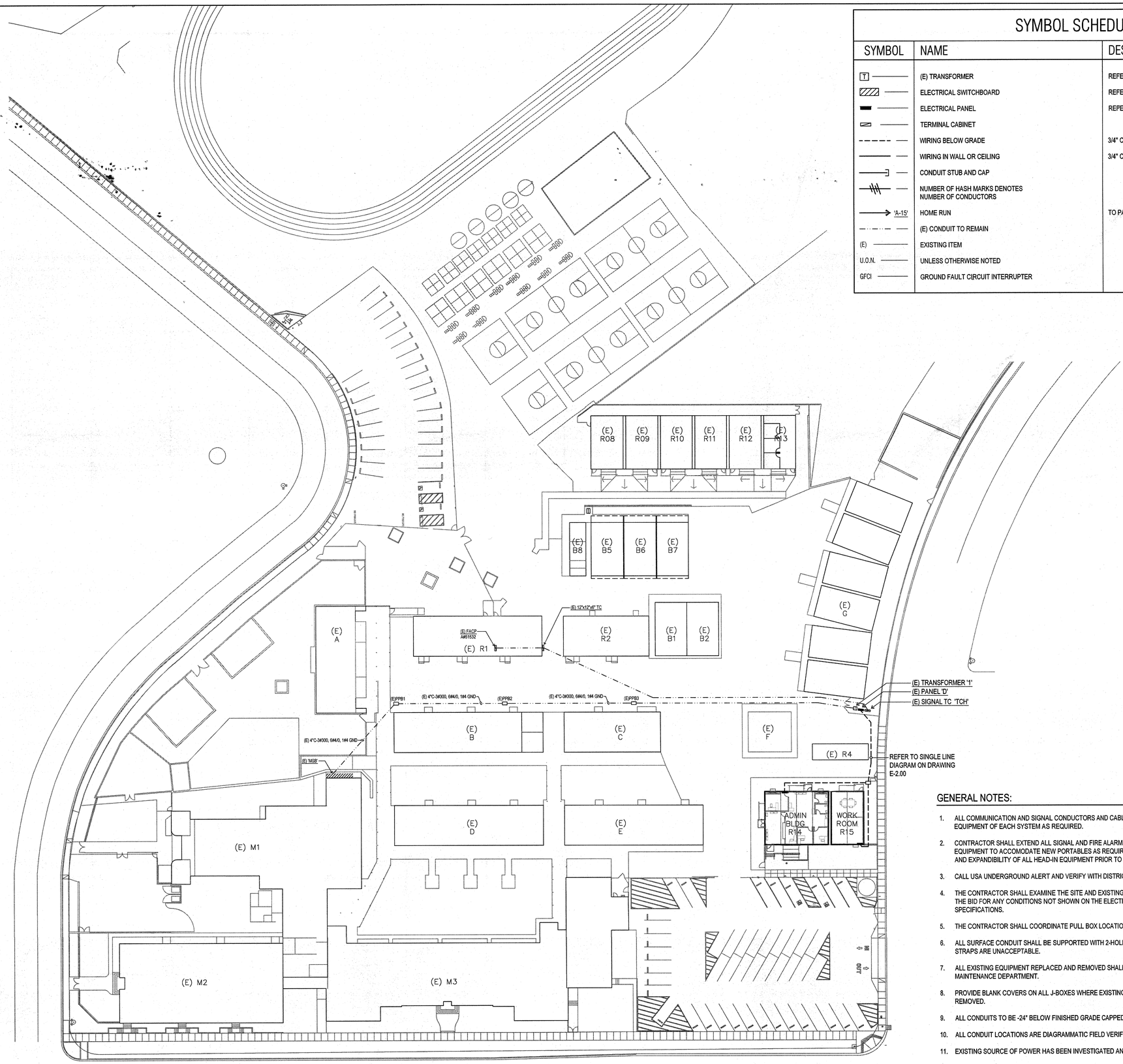
STEPHEN J. CORBIN, AICARB, AIA, LEED -AP BD+C

MISCELLANEOUS DETAILS

JOB NO.
1250
DRAWN : I.E.C.
CHECKED : MMS
DATE : 3-29-18

10.1

9 OF 82 SHEETS



SYMBOL SCHEDULE

SYMBOL	NAME	DESCRIPTION
T	(E) TRANSFORMER	REFER TO SINGLE LINE DIAGRAM
	ELECTRICAL SWITCHBOARD	REFER TO SINGLE LINE DIAGRAM
	ELECTRICAL PANEL	REFER TO PANEL SCHEDULE
	TERMINAL CABINET	
	WIRING BELOW GRADE	3/4" CONDUIT MINIMUM, REFER TO SPECIFICATIONS
	WIRING IN WALL OR CEILING	3/4" CONDUIT MINIMUM, REFER TO SPECIFICATIONS
	CONDUIT STUB AND CAP	
	NUMBER OF HASH MARKS DENOTES NUMBER OF CONDUCTORS	
'A-15'	HOME RUN	TO PANEL 'A' CIRCUIT '15'
	(E) CONDUIT TO REMAIN	
(E)	EXISTING ITEM	
U.O.N.	UNLESS OTHERWISE NOTED	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	

GENERAL NOTES:

1. ALL COMMUNICATION AND SIGNAL CONDUCTORS AND CABLES SHALL BE PULLED TO HEAD-IN EQUIPMENT OF EACH SYSTEM AS REQUIRED.
2. CONTRACTOR SHALL EXTEND ALL SIGNAL AND FIRE ALARM SYSTEMS AS REQUIRED. MODIFY HEAD-IN EQUIPMENT TO ACCOMODATE NEW PORTABLES AS REQUIRED. VERIFY WITH B.C.S.D. THE CONDITION AND EXPANDIBILITY OF ALL HEAD-IN EQUIPMENT PRIOR TO BID. MODIFY ACCORDINGLY.
3. CALL USA UNDERGROUND ALERT AND VERIFY WITH DISTRICT PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS. REFER TO ELECTRICAL SPECIFICATIONS.
5. THE CONTRACTOR SHALL COORDINATE PULL BOX LOCATIONS WITH DISTRICT PRIOR TO ROUGH IN.
6. ALL SURFACE CONDUIT SHALL BE SUPPORTED WITH 2-HOLE STRAPS OR UNISTRUT CLAMP. 1-HOLE STRAPS ARE UNACCEPTABLE.
7. ALL EXISTING EQUIPMENT REPLACED AND REMOVED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE DEPARTMENT.
8. PROVIDE BLANK COVERS ON ALL J-BOXES WHERE EXISTING EQUIPMENT OR DEVICES WERE REMOVED.
9. ALL CONDUITS TO BE -24" BELOW FINISHED GRADE CAPPED WITH 4" OF CONCRETE.
10. ALL CONDUIT LOCATIONS ARE DIAGRAMMATIC FIELD VERIFY FOR BEST ROUTING.
11. EXISTING SOURCE OF POWER HAS BEEN INVESTIGATED AND IS ADEQUATE FOR ADDITIONAL LOAD.

ELECTRICAL SITE PLAN

SCALE : 1" = 20'-0"

0 10' 20' 30' 40' 60'

NORTH

MARK	DATE	REVISIONS
1		
2		
3		

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

SITE IMPROVEMENTS FOR 48' x 40'-ADMIN & 24'x40' WORK RM. MODULARS AT
HORACE MANN ELEMENTARY SCHOOL
2710 NILES, BAKERSFIELD, CA., 93306
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD KERN COUNTY, CALIFORNIA, 93305

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL: 03-119010
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AC ___ FLS ___ SS ___
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LICENSED ARCHITECT
STEPHEN J. CARTER
No. C-28
STEPHEN J. CARTER, NCARB, AIA, LEED' 'AP BD+C

DPG
Engineering Inc.
6702 N. Cedar Ave.
Suite 205
Fresno, Ca. 93710
Ph. (559) 276-5144
Fax (559)900-4029

REGISTERED PROFESSIONAL ENGINEER
DENNIS P. GOSTA
No. E 18
ELECTRICAL
STATE OF CALIFORNIA

ELECTRICAL SITE PLAN

JOB NO.	1250
DRAWN :	R.L.M.
CHECKED :	D.P.G.
DATE :	10/24/17

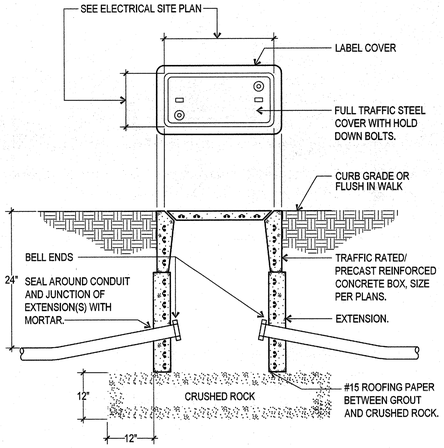
E
1.00
OF SHEETS

FEEDER SCHEDULE

AMPS	CONDUIT AND CONDUCTORS (THHN/THWN CU) PVC, EMT OR GRS	1Ø 3W (13)	3Ø 3W (33)	3Ø 4W (34)	3Ø 5W (35)	NYLON PULL LINE (NPL)	GROUNDING (THHN/THWN) COPPER PER CONDUIT
40	3/4"	3 #8	3 #8	4 #8	NA	1	#10
50	3/4"	3 #6	3 #6	4 #6			#10
70	1 1/4"	3 #4	3 #4	4 #4			#8
80	1 1/4"	3 #3	3 #3	4 #3			#8
90	1 1/4"	3 #2	3 #2	4 #2			#6
100	1 1/2"	3 #1	3 #1	4 #1	5 #1		#6
125	1 1/2"	3 #1	3 #1	4 #1	5 #1		#6
150	2"	3 #1/0	3 #1/0	4 #1/0	5 #1/0		#6
175	2"	3 #2/0	3 #2/0	4 #2/0	5 #2/0		#4
200	2"	3 #3/0	3 #3/0	4 #3/0	—		#4
225	2 1/2"	3 #4/0	3 #4/0	4 #4/0	5 #4/0		#2
250	3"	3 #250 Kcmil	3 #250 Kcmil	4 #250 Kcmil	5 #250 Kcmil		#2
300	3 1/2"	3 #350 Kcmil	3 #350 Kcmil	4 #350 Kcmil	5 #350 Kcmil		#2
400	4"	3 #600 Kcmil	3 #600 Kcmil	4 #600 Kcmil	5 #600 Kcmil		#1/0
500	(2)3"	3 #250 Kcmil (EA)	3 #250 Kcmil (EA)	4 #250 Kcmil (EA)	5 #250 Kcmil (EA)		#2/0
600	(2)3 1/2"	3 #350 Kcmil (EA)	3 #350 Kcmil (EA)	4 #350 Kcmil (EA)	5 #350 Kcmil (EA)		#2/0
700	(2)4"	3 #500 Kcmil (EA)	3 #500 Kcmil (EA)	4 #500 Kcmil (EA)	5 #500 Kcmil (EA)		#2/0
800	(2)4"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#2/0
1000	(3)3 1/2"	3 #400 Kcmil (EA)	3 #400 Kcmil (EA)	4 #400 Kcmil (EA)	5 #400 Kcmil (EA)		#3/0
1200	(4)3 1/2"	3 #350 Kcmil (EA)	3 #350 Kcmil (EA)	4 #350 Kcmil (EA)	5 #350 Kcmil (EA)		#3/0
1600	(4)4"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#4/0
2000	(5)4"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#4/0

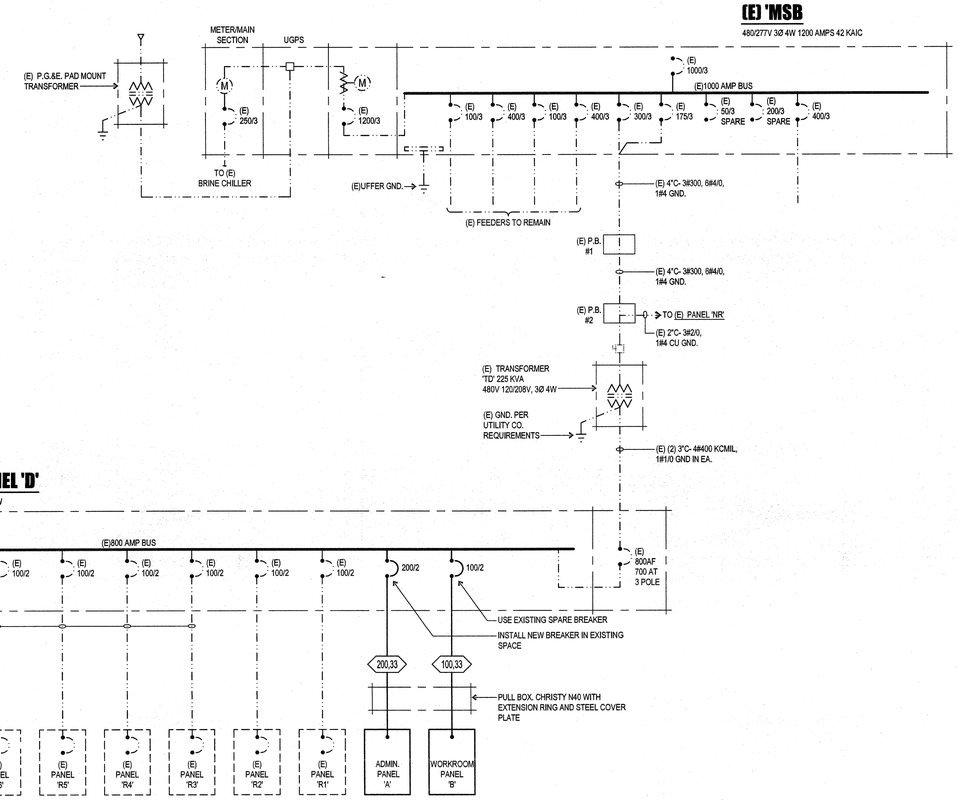
2000,3S — FEEDER AMPS; CONDUCTOR TYPE (3Ø 5W)

NOTE:
3Ø 5W FEEDERS ARE ØA, ØB, ØC AND TWO NEUTRAL CONDUCTORS FOR NON LINEAR LOAD APPLICATIONS.



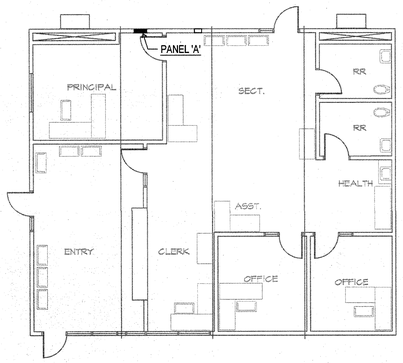
PULL BOX DETAIL

1 NOT TO SCALE E2.00



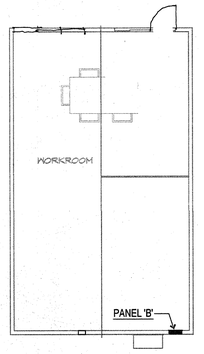
POWER SINGLE LINE DIAGAM

2 NOT TO SCALE E-2.00



ELECT FLOOR PLAN
ADMINISTRATION

SCALE : 1/8" = 1'-0"
0 4' 8' 12' 16' 24' NORTH



ELECT FLOOR PLAN
WORKROOM

SCALE : 1/8" = 1'-0"
0 4' 8' 12' 16' 24' NORTH

MARK	DATE	REVISIONS
1		
2		
3		

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FOR
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BAKERSFIELD KERN COUNTY, CALIFORNIA, 93305

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APPL: 03-119040
FILE: 15-6
AC. 4 FLR. 2 SS. 01
DATE: MAY 22 2018

PTN : 63321-308

ARCHITECT S.C.A. INC.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
STEPHEN R. CORBIN, M.ARCH, AIA, LEED™ AP BD+C

DPG Engineering Inc.
6702 N. Cedar Ave.
Suite 205
Fresno, Ca. 93710
Ph. (559) 276-6144
Fax (559)600-4929
DAVID P. GOETZ — REGISTERED PROFESSIONAL ENGINEER — ELECTRICAL — STATE OF CALIFORNIA

ELECTRICAL SINGLE LINE DIAGRAM

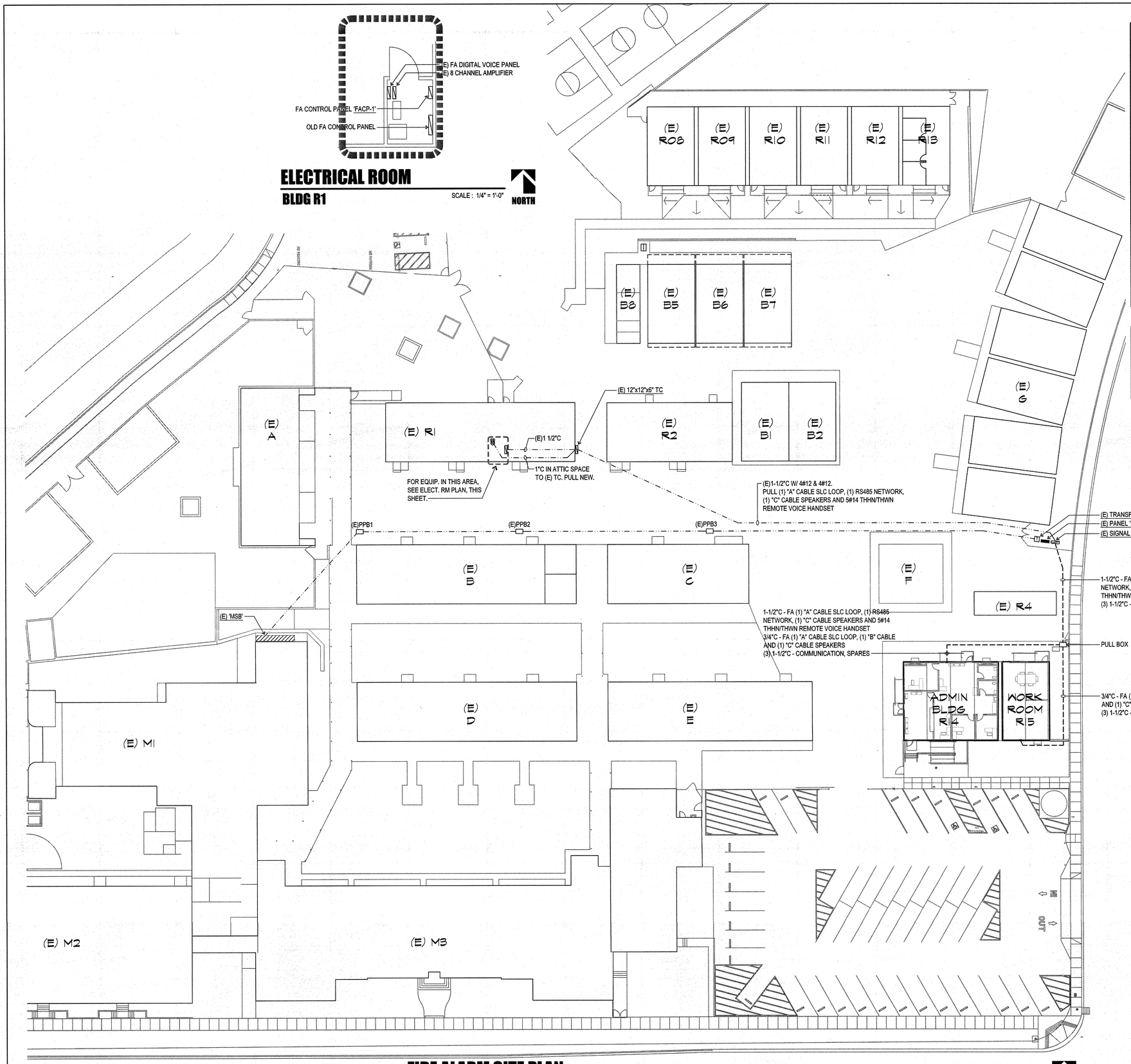
JOB NO. 1250
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 10/24/17

E
2.00 OF SHEETS

ELECTRICAL ROOM
BLDG R1

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

NORTH



FIRE ALARM SITE PLAN

SCALE : 1" = 20'-0"

0 10' 20' 30' 40' 60'

NORTH

FIRE ALARM SYMBOL SCHEDULE

SYMBOL	NAME	DESCRIPTION	CSFM #
(E)	EXISTING ITEM		
U.O.N.	UNLESS OTHERWISE NOTED		
	WIRING UNDERGROUND OR IN WALL	3/4"C MIN U.O.N.	
	EXISTING CONDUIT / WIRING TO REMAIN		
FACP	(E) FIRE ALARM CONTROL PANEL	HOCHIKI #FN-4127	7165-0410:0159
	FIRE ALARM EXPANDER PANEL	HOCHIKI #FN-642-ULADA-R	7315-0410:0166
EVAC	(E) FIRE ALARM VOICE EVACUATION SYSTEM	HOCHIKI #FNV-MP-16-R	6911-0410:0175
	FIRE ALARM LCD NETWORK ANNUNCIATOR	HOCHIKI #FN-LCD-N	7120-0410:0165
	FIRE ALARM SUPERVISED REMOTE MICROPHONE W/ REMOTE MICROPHONE SUPERVISION BOARD	HOCHIKI #EVX-RMR-H HOCHIKI #EVX-SC	6912-1446:0100
SCM	(E) SUPERVISED OUTPUT MODULE	HOCHIKI #DCP-SOM-A	7300-0410:0150
	TYPICAL EXISTING DEVICE	SEE ORIGINAL CONSTRUCTION DOCUMENTS	
	SMOKE DETECTOR	HOCHIKI #ALN-V HSB-NSA-6 BASE	7272-0410:0204 7300-0410:0132
	HEAT DETECTOR	HOCHIKI #ATJ-EA HSB-NSA-6 BASE	7272-0410:0203 7300-0410:0132
WP S W	WEATHERPROOF WALL MOUNT SPEAKER, W =WATTAGE (1/8 W, 1/4 W, 1/2 W, 1 W, 2W AND 4W) SEE FLOOR PLAN FOR SETTINGS	GENTEX # WSSPKR	7320-0569:0141
MC SR W	LOW PROFILE CEILING MOUNT SPEAKER / STROBE, (MC) = MULTI-CANDELA (15, 30, 60, 75 AND 110) SETTINGS W =WATTAGE (1/8 W, 1/4 W, 1/2 W, 1 W, 2W AND 4W) SEE FLOOR PLAN FOR SETTINGS	HOCHIKI # HSSPK24-15/75WLPR	7320-0410:0195
MC	VISUAL DEVICE, CEILING MOUNT (MC) = MULTI-CANDELA, 15, 30, 60, 75 AND 110 SETTINGS, SEE FLOOR PLAN FOR SETTINGS	HOCHIKI #HES3-24WR	7135-0410:0188

FA CABLE SCHEDULE

'A'	ADDRESSABLE FA COMMUNICATION CABLE	WEST PENN #D990 (INDOOR)	WEST PENN #AQ225 (OUTDOOR)
'B'	2#12 THHN/THWN CU.	WEST PENN #D974 (INDOOR)	WEST PENN #AQ227 (OUTDOOR)
'C'	SPEAKER CABLE 16/2	WEST PENN #D990 (INDOOR)	WEST PENN #AQ225 (OUTDOOR)

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PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

LICENSED ARCHITECT
STEPHEN J. CORBIN
No. C-14879
Exp. 11/30/19
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, AIA, LEED®-AP BD+C

DPG Engineering Inc.
6702 N. Cedar Ave.
Suite 205
Fresno, Ca. 93710
Ph. (559) 276-5144
Fax (559)600-4029

REGISTERED PROFESSIONAL ENGINEER
TREVOR P. DUTY
ELECTRICAL
STATE OF CALIFORNIA

FIRE ALARM SITE PLAN

JOB NO.	1250
DRAWN :	R.L.M.
CHECKED :	D.P.G.
DATE :	10/24/17

3.00 OF SHEETS

FACP BATTERY CALCULATION

(E)Fire Alarm Control Panel "FACP"

POWER REQUIREMENTS

	QTY.	SUP. EA	ALRM EA	CURRENT [A] SUPERVISORY	ALARM
EXISTING LOADS				0.31950	0.39000
ADDED SMOKE DET.	11	0.00045	0.00054	0.00495	0.00594
ADDED HEAT DET.	13	0.00035	0.0005	0.00455	0.00650
TOTALS				0.32900	0.40244

BATTERY CAPACITY

SUPERVISORY POWER	= 24 Hr * 0.329A =	7.896 AHr
ALARM POWER	= 0.25 Hr * 0.4024 =	0.101 AHr
TOTAL POWER REQUIREMENT =		7.997 AHr
20% SAFETY FACTOR =		9.596 AHr

EXISTING PANEL HAS 18.0 A/Hr BATTERIES

FADV BATTERY CALCULATION

(E)Fire Alarm Control Panel "FADV"

POWER REQUIREMENTS

	CURRENT [A] SUPERVISORY	ALARM
MAX LOAD WITH ALL OUTPUTS USED	0.18600	0.19900
TOTALS	0.18600	0.19900

BATTERY CAPACITY

SUPERVISORY POWER	= 24 Hr * 0.186A =	4.464 AHr
ALARM POWER	= 0.25 Hr * 0.199A =	0.050 AHr
TOTAL POWER REQUIREMENT =		4.514 AHr
20% SAFETY FACTOR =		5.417 AHr

EXISTING PANEL HAS 7.0 A/Hr BATTERIES

FADV BATTERY CALCULATION

(E)Fire Alarm Amplifier Panel "FAAP"

POWER REQUIREMENTS

	CURRENT [A] SUPERVISORY	ALARM
MAX LOAD WITH ALL OUTPUTS USED	0.31200	2.71400
TOTALS	0.31200	2.71400

BATTERY CAPACITY

SUPERVISORY POWER	= 24 Hr * 0.312A =	7.488 AHr
ALARM POWER	= 0.25 Hr * 2.714A =	0.679 AHr
TOTAL POWER REQUIREMENT =		8.167 AHr
20% SAFETY FACTOR =		9.800 AHr

EXISTING PANEL HAS 18.0 A/Hr BATTERIES

NAC EXTENDER BATTERY CALCULATION

Extender Panel "ADMIN"

POWER REQUIREMENTS

	CURRENT [A] SUPERVISORY	ALARM
PANEL OVERHEAD	0.090	0.175
NAC CIRCUITS	-	0.973
TOTALS	0.090	1.148

BATTERY CAPACITY

SUPERVISORY POWER	= 24 Hr * 0.09A =	2.160 AHr
ALARM POWER	= 0.25 Hr * 1.148A =	0.287 AHr
TOTAL POWER REQUIREMENT =		2.447 AHr
20% SAFETY FACTOR =		2.936 AHr
MINIMUM BATTERY CAPACITY =		7 AHr

VOLTAGE DROP CALCULATION

NAC Circuit "1"

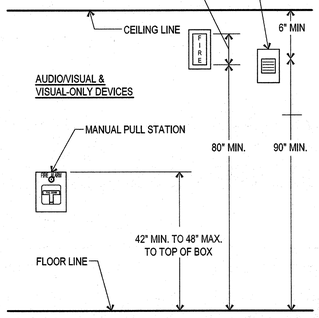
VD = Voltage Drop [V]
I = Current [A] (0.973A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (320')
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (20.4VDC)

$VD = \frac{K * I * 2L}{CM} = \frac{11 * 0.973 * 2 * 320'}{6530} = 1.049\ V$

$VD\% = \frac{VD}{20.4} = 5.1\%$

AUDIBLE DEVICES: WHERE CEILING HEIGHTS PERMIT WALL-MOUNTED APPLIANCES SHALL HAVE THEIR TOPS AT HEIGHTS ABOVE FINISHED FLOORS OF NOT LESS THAN 90" (2.30 M) AND BELOW THE FINISHED CEILINGS OF NOT LESS THAN 6" (0.15m).

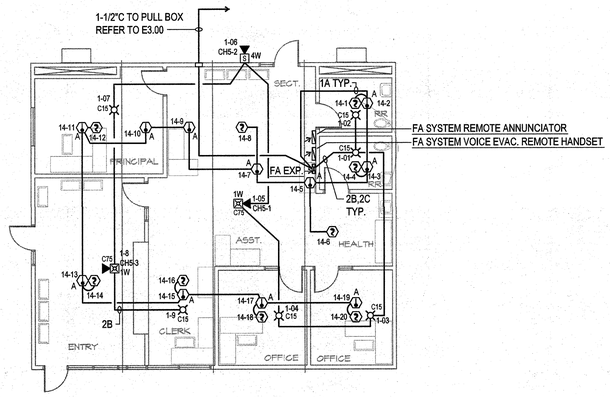
WALLMOUNTED APPLIANCES SHALL HAVE THEIR ENTIRE LENS AT HEIGHTS ABOVE THE FINISHED FLOOR OF NOT LESS THAN 80" (2m), AND NO GREATER THAN 96" (2.4m).



F.A. DEVICE ELEVATION

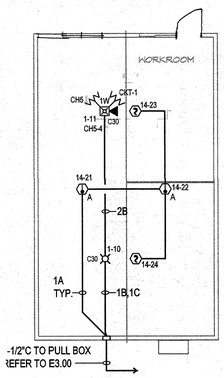
NOT TO SCALE (1) E4.00

FA CABLE SCHEDULE			
'A'	ADDRESSABLE FA COMMUNICATION CABLE	WEST PENN #D990 (INDOOR)	WEST PENN #AQ225 (OUTDOOR)
'B'	2#12 THHN/THWN CU.	WEST PENN #D974 (INDOOR)	WEST PENN #AQ227 (OUTDOOR)
'C'	SPEAKER CABLE 16/2	WEST PENN #D990 (INDOOR)	WEST PENN #AQ225 (OUTDOOR)



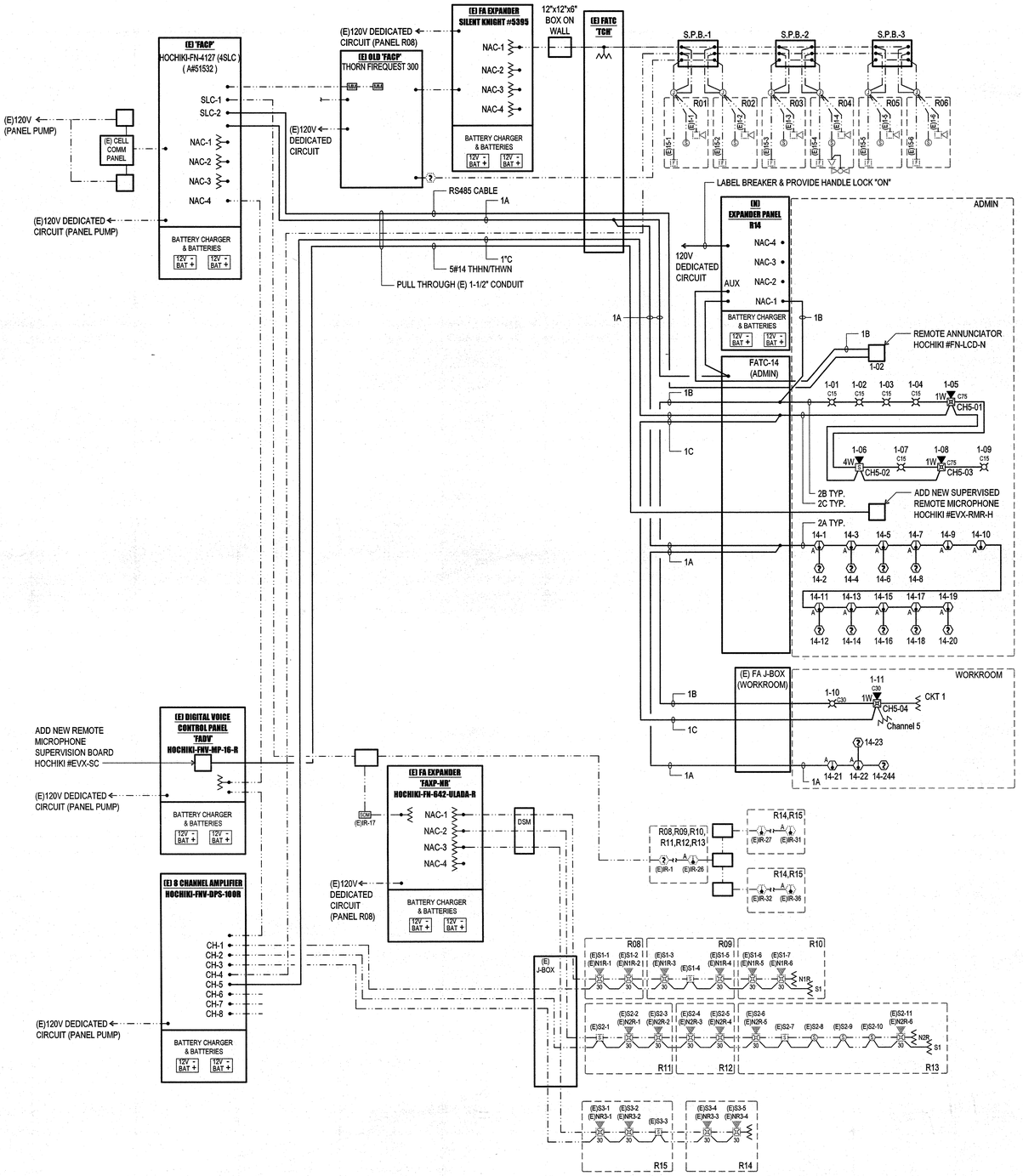
ELECT FLOOR PLAN
ADMINISTRATION

SCALE : 1/8" = 1'-0"
0 4' 8' 12' 16' 24' NORTH



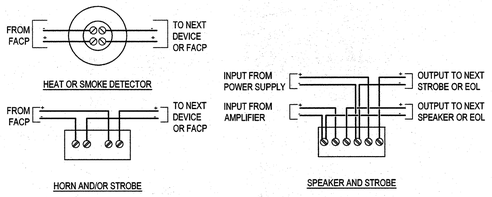
ELECT FLOOR PLAN
WORKROOM

SCALE : 1/8" = 1'-0"
0 4' 8' 12' 16' 24' NORTH



FIRE ALARM SINGLE LINE DIAGRAM

NOT TO SCALE (3) E4.00



TYPICAL DEVICE WIRING DETAIL

NO SCALE (2) E4.00

FIRE ALARM DEVICE SEQUENCE OF OPERATION MATRIX

INITIATION → / RESPONSE ↓	AREA SMOKE OR HEAT DETECTORS	POWER FAILURE	TROUBLE	ELECTRICAL SUPERVISION	SPRINKLER FLOW SWITCH	SPRINKLER TAMPER SWITCH	MANUAL PULL STATION
ANNUNCIATE AT ADMINISTRATION OFFICE	•	•	•	•	•	•	•
ACTIVATE AUDIO/VISUAL THRU-OUT CAMPUS	•				•		•
CENTRAL STATION MONITORING	•				•	•	•
CLOSE FIRE SMOKE DAMPER	•				•		
SHUT DOWN HVAC UNIT	•				•		
ACTIVATE VOICE EVACUATION PANEL	•						

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Fax (559)906-4609

FIRE ALARM SINGLE LINE DIAGRAM, DETAILS AND SCHEDULES

JOB NO.	125.0
DRAWN :	R.L.M.
CHECKED :	D.P.G.
DATE :	10/24/17

E

4.00 OF SHEETS

ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

GENERAL NOTES

SEE PC SHEET
A-0

APPLICABLE STANDARDS

SEE PC SHEET
A-0

APPLICABLE CODES

SEE PC SHEET
A-0

BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	B 48'x 40' OFFICE BUILDINGS (OCCUPANCY LOAD : 20)
TYPE OF CONSTRUCTION:	VB
FLOOR LIVE LOAD:	☐ 50 PSF ☐ 50+15 PSF PARTITION LOAD ☑ 100 PSF ☐ 150 PSF
ROOF LIVE LOAD:	20 PSF
FLOOR DEAD LOAD:	☑ WOOD FLOOR - 8 PSF ☐ CONC FLOOR - 33 PSF
ROOF DEAD LOAD:	17 PSF (INCLUDING SPRINKLER LOAD)
RAMP LIVE LOAD:	100 PSF
BUILDING AREA: (AREA WITHOUT OVERHANGS / AREA WITH OVERHANGS) ALLOWABLE AREA = 9000 SF	☐ 24'x40' BLDG - 960 SF/1140 SF ☐ 84'x40' BLDG - 3360 SF/3990 SF ☐ 36'x40' BLDG - 1440 SF/1710 SF ☐ 96'x40' BLDG - 3840 SF/4560 SF ☑ 48'x40' BLDG - 1920 SF/2280 SF ☐ 108'x40' BLDG - 4320 SF/5130 SF ☐ 60'x40' BLDG - 2400 SF/2850 SF ☐ 120'x40' BLDG - 4800 SF/5700 SF ☐ 72'x40' BLDG - 2880 SF/3420 SF
FOUNDATION:	☑ WOOD ☐ CONCRETE
CEC CLIMATE ZONES:	1- 16

WIND DESIGN DATA

SECTION 1603.A.1.4

SEE PC SHEET
A-0

EARTHQAUKE DESIGN DATA

SEE PC SHEET
A-0

SHEET INDEX

PROJECT SPECIFIC INDEX

SHT NO.	ARCHITECTURAL
A-0 N	PROJECT SPECIFIC COVER SHEET
A-0.2 N	PROJECT SPECIFIC SCHEDULES
A-1.03 N	PROJECT SPECIFIC FLOOR PLAN
A-2.13 N	PROJECT SPECIFIC REFLECTED CEILING PLAN
A-3.04 N	PROJECT SPECIFIC ROOF PLAN 0.030 METAL DECK - DUAL SLOPE
A-3.50 N	PROJECT SPECIFIC ROOF DETAIL 0.030 STANDING SEAM ROOF
A-4.05 N	PROJECT SPECIFIC EXTERIOR ELEVATIONS
A-6.03 N	PROJECT SPECIFIC INTERIOR ELEVATIONS
SHT NO.	**MECHANICAL**
M-1.03 N	PROJECT SPECIFIC MECHANICAL PLAN - WALL MOUNT
SHT NO.	**ELECTRICAL**
E-1.03 N	PROJECT SPECIFIC ELECTRICAL PLAN

SHEET INDEX - PC #04-114102

SHT NO.	ARCHITECTURAL
A-0	COVER SHEET
A-0A	T & I FORMS
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS - 24' TO 120'x40'
A-0.5A	ENERGY CALC'S - PRF FORMS - ZONE 14 WORST CASE
A-0.5B	ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE
A-0.5C	ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE
A-0.6D	ENERGY CALC'S - ELC FORMS - 120' x 40" BUILDINGS
A-0.6E	ENERGY CALC'S - LTO / MCH FORMS - 120' x 40' BUILDINGS
A-0.6F	ENERGY CALC'S - LTI FORMS - 120' x 40' BUILDINGS
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
A-1.03	FLOOR PLAN - 48' TO 120'x40'
A-2.13	REFLECTED CEILING PLAN - 48' TO 120'x40' - VAULTED CEILING
A-2.20	CEILING DETAILS - T GRID
A-3.04	ROOF PLAN - 0.018 METAL DECK - DUAL SLOPE - 48' TO 120'x40'
A-3.50	ROOF DETAILS - 0.018 STANDING SEAM ROOF DECK
A-4.05	EXTERIOR ELEVATIONS - DUAL SLOPE - 48' TO 120'x40'
A-5.02	CROSS SECTION - DUAL SLOPE - 0.018 B.U., OR TPO ROOF DECK
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISC/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISC/OPTIONS
A-6.03	INTERIOR ELEVATIONS 48' TO 120'x40'
SHT NO.	**FOUNDATION**
F-0.23	WOOD FOUNDATION PLAN - 48'x40' (100 PSF)
F-0.50	FOUNDATION DETAILS - WOOD
SHT NO.	**STRUCTURAL**
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
S-2.11	ROOF FRAMING PLAN - 0.018, BUILT-UP OR TPO ROOF-20 PSF
S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
S-2.60	ROOF FRAMING DETAILS
S-3.02	BUILDING SECTION - DUAL SLOPE ROOF
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS
S-5.12	WALL FRAMING OPENING SCHEDULE - WOOD STUDS
SHT NO.	**PLUMBING**
P-1.01	PLUMBING DETAILS AND SCHEDULE
SHT NO.	**MECHANICAL**
M-0.1	MECHANICAL NOTES, SCHEDULES AND DETAILS
M-1.03	MECHANICAL PLAN - WALL MOUNT - 48' TO 120'x40'
SHT NO.	**ELECTRICAL**
E-1.03	ELECTRICAL PLAN - 48' TO 120'x40'
SHT NO.	**RAMP**
R-1.01	STANDARD RAMP PLAN
R-2.01	RAMP DETAILS

PROJECT NAME:

ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:

PROJECT SPECIFIC
COVER SHEET

ARCHITECT OF RECORD
SUBMISSION DATE

LICENSED ARCHITECT — No. C-33487 — REN: 01-31-2019 — STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS ☐ FLS ☑ SS DW
DATE APR 26 2018
ACS: Daniel Thomas
FLS: J. Burke
SS: D. WANEK

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ☑ FLS ☐ SS ☐
Date MAY 22 2018

REVISIONS

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SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER

A-0N

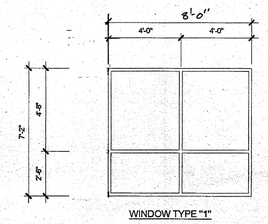
WINDOW SCHEDULE

WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A		1	8'-0"	7'-2"	FIXED	STOREFRONT	SEE NOTES		CLEAR ANODIZED ALUMINUM FRAME w/ SOLARBAN 60 GLASS – TEMPERED
B		2	5'-0"	5'-0"	FIXED	HM	SEE NOTES		DUAL GLAZE 3/16" GREY TEMPERED GLASS OVER 3/16" LOW-E GLASS – TEMPERED

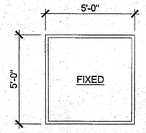
WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME
BRONZ: BRONZE ANODIZED ALUMINUM FRAME
PAINT: PAINTED FRAME
WF: 16GA WELDED FRAME
FRW: FIRE RATED WINDOW
FRAME: MIN 0.048" THICK WELDED FRAME
FRG: FIRE RATED GLAZING: 1/4" WIRED GLASS. LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION/TABLE 715.5
DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD, ALL OPERABLE SASH SHALL HAVE SCREENS. (U-FACTOR = .510 MAX, VT = 0.500 MIN., SHGC = .350 MAX, STC = 38 MIN.)

WINDOW TYPE



WINDOW TYPE "1"



WINDOW TYPE "2"

DOOR SCHEDULE

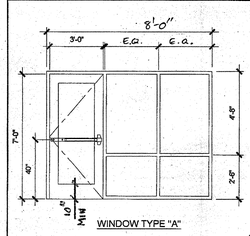
DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES
1P	3'-0"	7'-0"	A		SEE NOTES	SEE NOTES	HW - 1		STOREFRONT ASSEMBLY w/ (2) 3070 FIXED WINDOWS AND (1) 3070 SINGLE STOREFRONT DOOR. CLR ANODIZED ALUMINUM FRAME w/ SOLARBAN 60 GLASS – TEMPERED
2P	3'-0"	7'-0"	B		SEE NOTES	SEE NOTES	HW - 1		STOREFRONT ASSEMBLY w/ (1) 2070 FIXED WINDOW AND (1) 3070 SINGLE STOREFRONT DOOR. CLR ANODIZED ALUMINUM FRAME w/ SOLARBAN 60 GLASS – TEMPERED
3P	3'-0"	7'-0"	C		HM	WF	HW - 1		w/ (1) 2070 FIXED WINDOW AND SOLARBAN 60 GLASS – TEMPERED
2	3'-0"	7'-0"	D		HM	KD	HW - 2		
3	3'-0"	7'-0"	E		HM	KD	HW - 2		
4	3'-0"	7'-0"	E		HM	KD	HW - 2		

DOOR MATERIAL AND FINISH ABBREVIATIONS

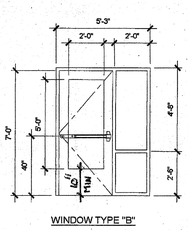
HM: 18GA HOLLOW METAL
WF: 16GA WELDED FRAME
AL: ALUMINUM
SST: STAINLESS STEEL
KD: KNOCK DOWN FRAME
SCL: SOLID CORE WOOD LEGACY
HC: HOLLOW CORE WOOD
PT: PAINTED

*EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX

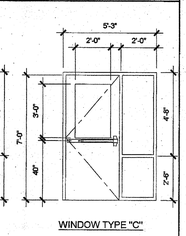
DOOR TYPES & NOTES



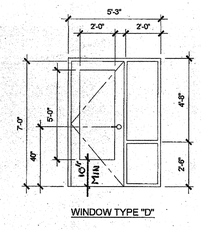
WINDOW TYPE "A"



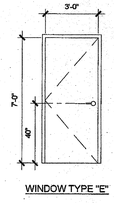
WINDOW TYPE "B"



WINDOW TYPE "C"



WINDOW TYPE "D"



WINDOW TYPE "E"

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	NOTES
ENTRY 101	NIC	NIC	TACK	TACK	TACK	TACK	CP	VAULTED	ARMSTRONG 2910
CLERK 102	NIC	NIC	TACK	TACK	TACK	TACK	CP	VAULTED	ARMSTRONG 2910
ASSISTANT 103	NIC	NIC	TACK	TACK	TACK	TACK	CP	VAULTED	ARMSTRONG 2910
SECT. 104	NIC	NIC	TACK	TACK	TACK	TACK	CP	VAULTED	ARMSTRONG 2910
OFFICE 105	NIC	NIC	TACK	TACK	TACK	TACK	CP	9'-0" FLAT	ARMSTRONG 2910
OFFICE 106	NIC	NIC	TACK	TACK	TACK	TACK	CP	9'-0" FLAT	ARMSTRONG 2910
OFFICE 107	NIC	NIC	TACK	TACK	TACK	TACK	CP	9'-0" FLAT	ARMSTRONG 2910
STAFF 108	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	
STAFF 109	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 ½" GYPSUM BOARD BACKING
FRP: 1/8" FIBER REINFORCED PANEL OVER ½" 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)

INSULATION SPECIFICATIONS

SEE PC SHEET
A-0.2

FINISH NOTES

SEE PC SHEET
A-0.2

DOOR HARDWARE

SEE PC SHEET
A-0.2
FOR DOOR HARDWARE

PROJECT NAME:
ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:
PROJECT SPECIFIC SCHEDULES

ARCHITECT OF RECORD SUBMISSION DATE

LICENSED ARCHITECT No. C-33457 RENEW: 01-31-2019 STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS DSA FLS SS TAV
DATE APR 26 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

REVISIONS
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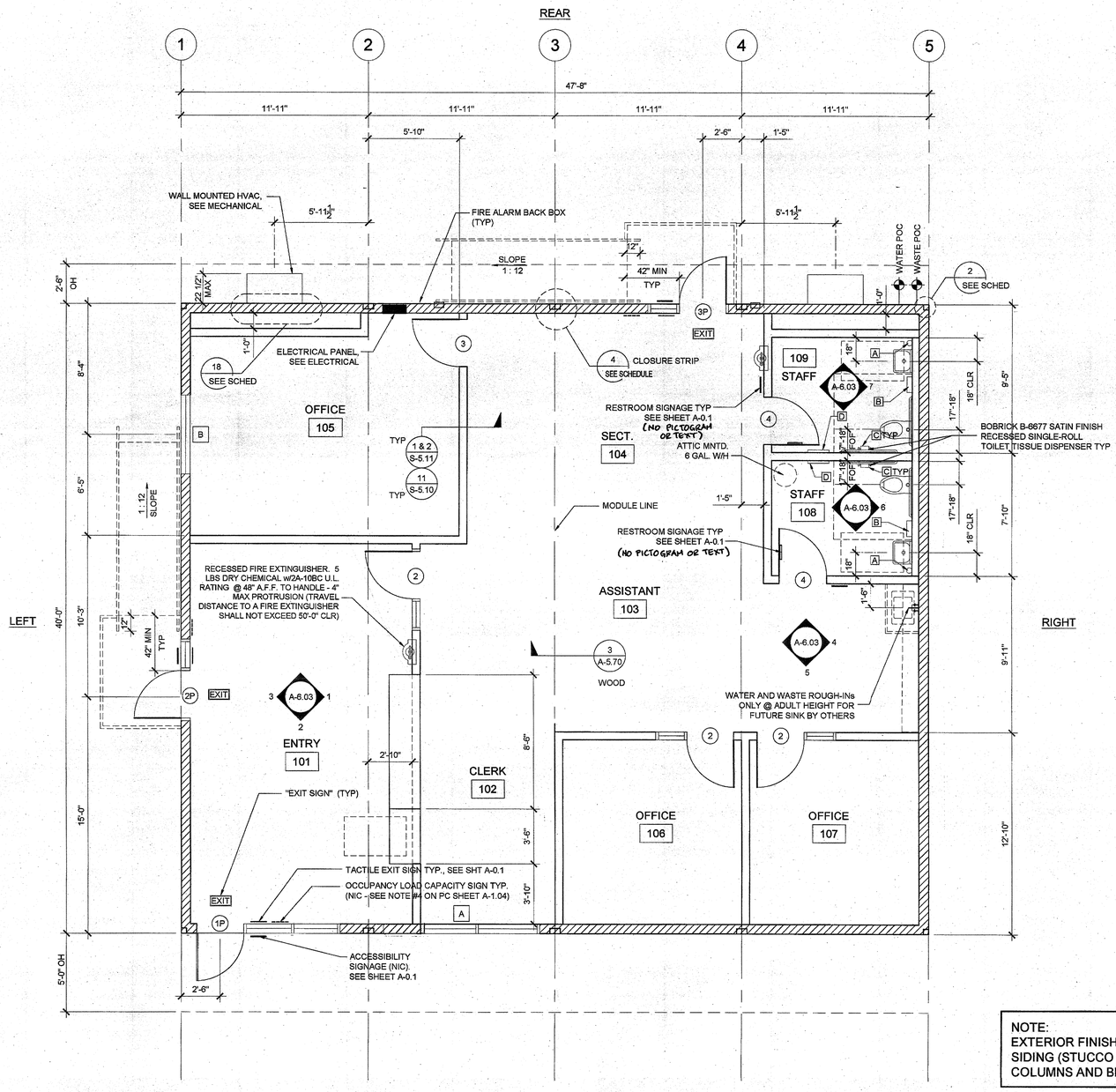
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-0.2N



FRONT

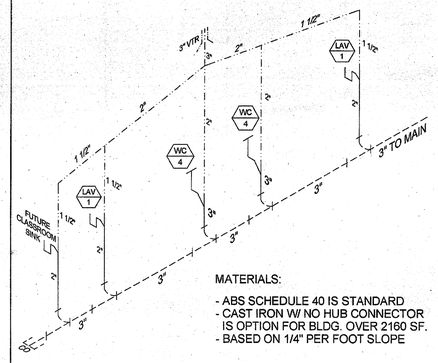
NOTE:
EXTERIOR FINISH TO BE 5/16" CEMENTOUS SIDING (STUCCO LOOK) WITH STEEL COLUMNS AND BEAMS EXPOSED

WALL LEGEND

- NOMINAL 4" WALL STUD
- NOMINAL 6" WALL STUD
- NOMINAL 8" WALL STUD
- A — WINDOW PER SCHEDULE SHEET A-0.2N
- # — DOOR PER SCHEDULE SHEET A-0.2N

SYMBOLS LEGEND

- 60" CIRCLE CLEAR SPACE
- 30"x48" CLEAR SPACE
- 60"x60" CLEAR SPACE

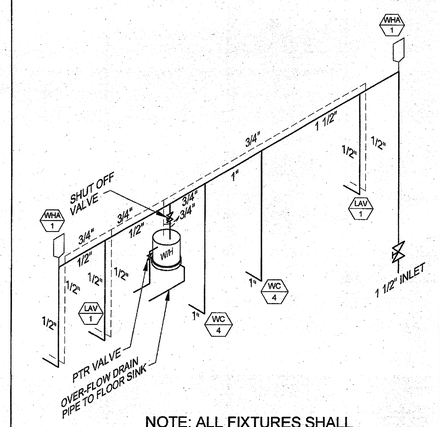


MATERIALS:

- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

VENT LINE

WASTE LINE



NOTE: ALL FIXTURES SHALL HAVE SHUT-OFF VALVES

TYPE "L" COPPER
MAX. DEV. LENGTH = 40 FT.
PRESSURE RANGE = 40 TO 60 PSI

PROJECT NAME:

ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:

PROJECT SPECIFIC FLOOR PLAN

ARCHITECT OF RECORD SUBMISSION DATE

LICENSED ARCHITECT — KEVIN P. BURNETT — No. C-33467 — REN: 01-31-2019 — STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117388
ACS Ps4 FLS SS DW
DATE APR 26 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

REVISIONS

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SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

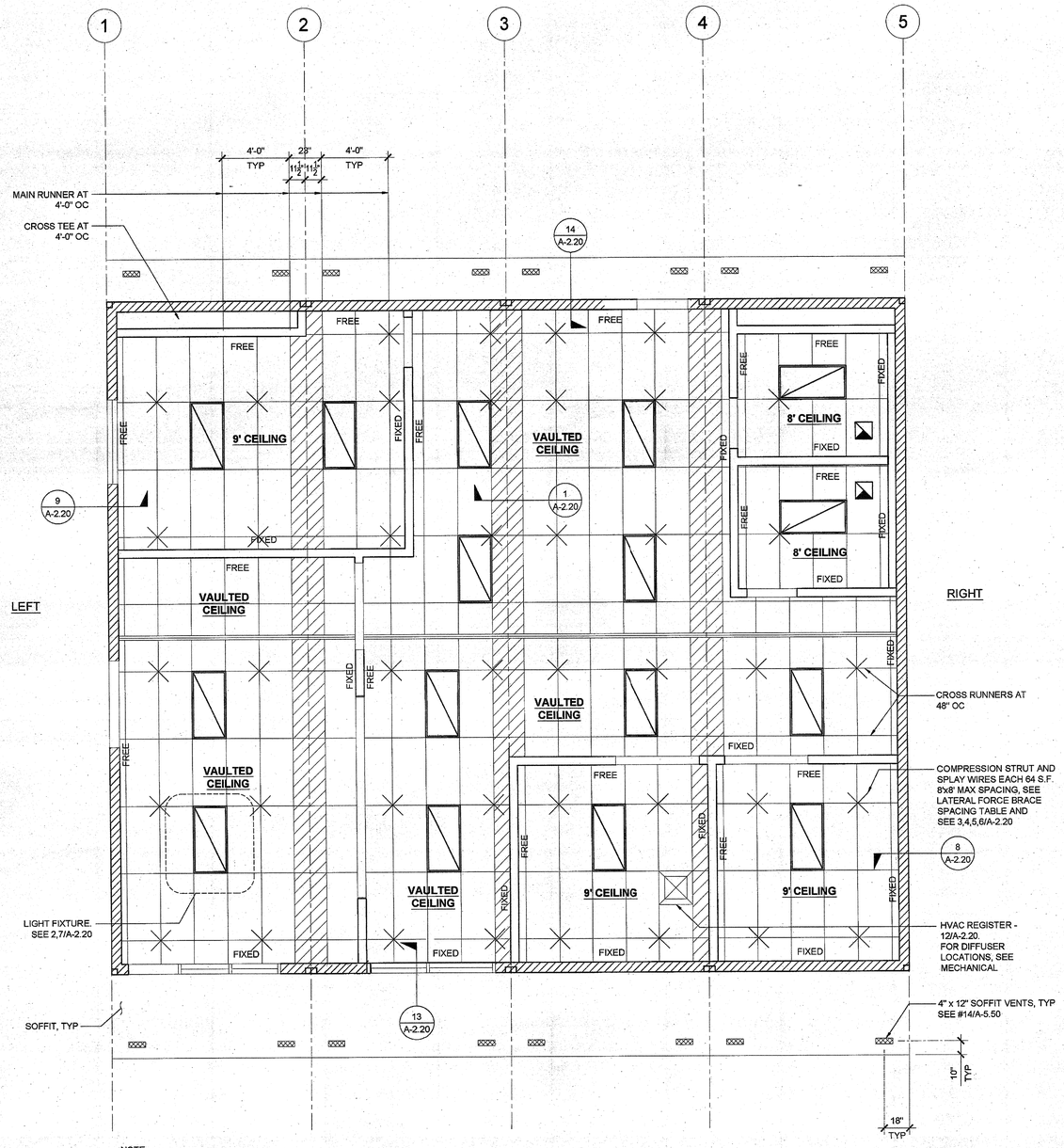
SHEET NUMBER

A-1.03N

FLOOR PLAN

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

1



NOTE:
CEILING TO BE:
VAULTED IN ENTRY AND ADMIN AREAS
9'-0" AFF (UNO) IN ALL OFFICES
8'-0" AFF (UNO) IN TOILET ROOMS

REFLECTED CEILING PLAN

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

PROJECT NAME:
ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:
PROJECT SPECIFIC
REFELECTED CEILING

ARCHITECT OF RECORD
SUBMISSION DATE

JACK E. SWAIN
LICENSED ARCHITECT
No. C-33467
RENEW 08-31-2019
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS 1/2 SS 2W
DATE APR 26 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

REVISIONS
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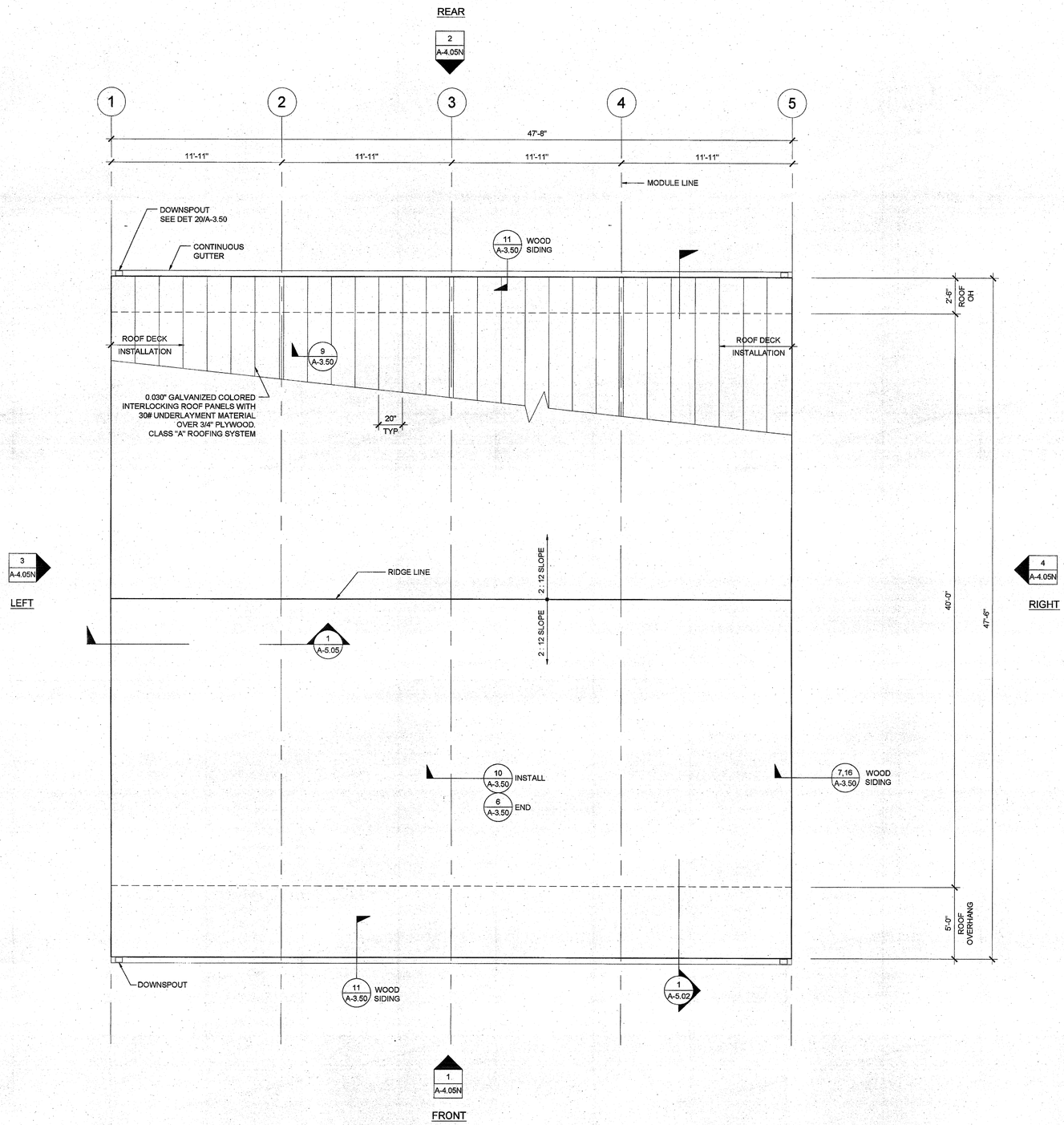
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-2.13N



NOTES

1. BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES. CBC 2016 SECTIONS 1015.6 & 1015.7.
4. FOR SPECIFIC DOWNSPOUT LOCATIONS FOR VARIOUS BUILDING SIZES, SEE KEY PLANS ON SHEET A-0.3. LOCATE ONE (1) DOWNSPOUT FOR EVERY THREE (3) MODULES (TYP)
5. ANY BUILDING OVER 3,000 SQ/FT REQUIRES A DRAFT STOP UNLESS BUILDING IS EQUIPPED WITH FIRE SPRINKLERS.
6. WHEN PARAPETS ARE REQUIRED BECAUSE OF FIRE SEPARATION REQUIREMENTS AND/OR PROJECT SPECIFICATIONS, PROVIDE PARAPET PER CBC SECT. 705.11.

ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE

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

PROJECT NAME:

ELITE MODULAR STOCK PILE #17 (1) 48x40 OFFICE BLDG

SHEET TITLE:

PROJECT SPECIFIC ROOF PLAN 0.030" METAL DECK

ARCHITECT OF RECORD SUBMISSION DATE

LICENSED ARCHITECT — JOSE E. SEVILLANO — No. C-32667 — REN: 01-31-2019 — STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS 1st SS 2nd
DATE APR 2 6 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS 2nd
Date MAY 22 2018

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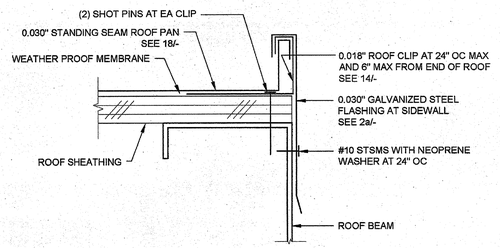
SILVER CREEK INDUSTRIES

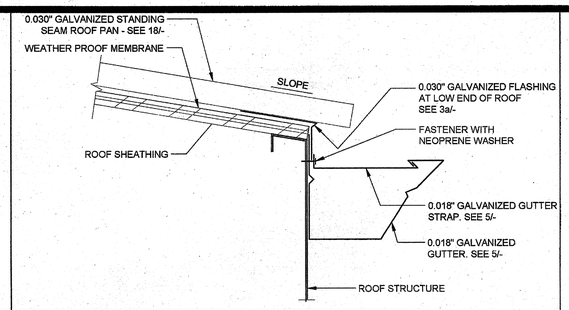
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER

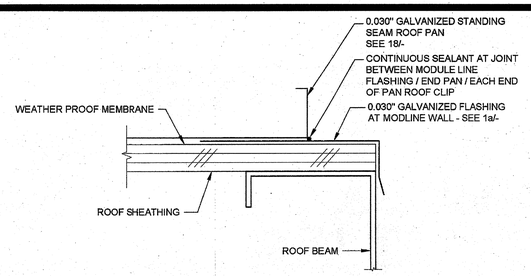
A-3.04N



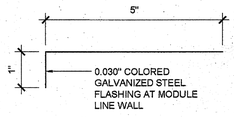
ROOF FLASHING AT SIDEWALL SCALE : 6"=1'-0" 16



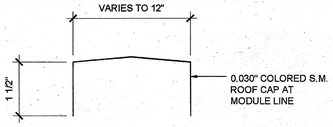
GUTTER AT ROOF FASCIA BEAM SCALE : 3"=1'-0" 11



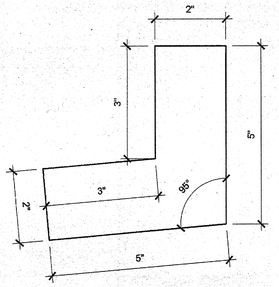
END ROOF PAN CONNECTION SCALE : 6"=1'-0" 6



FLASHING AT MODULE LINE WALL SCALE : 6"=1'-0" 1a

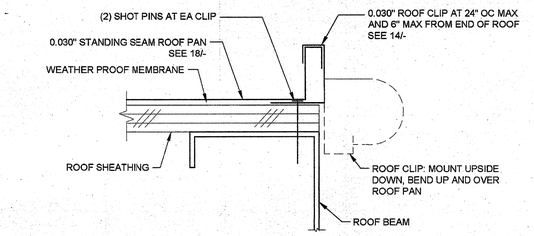


0.018" ROOF CAP AT MODULE LINE SCALE : 6"=1'-0" 1b



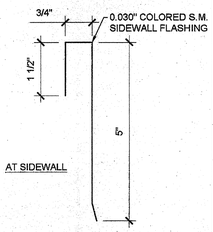
DOWNSPOUT ATTACHMENT SCALE : 6"=1'-0" 17

12

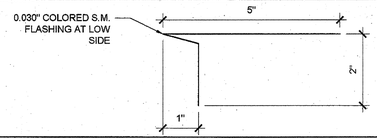


STARTER ROOF PAN CONNECTION SCALE : 6"=1'-0" 7

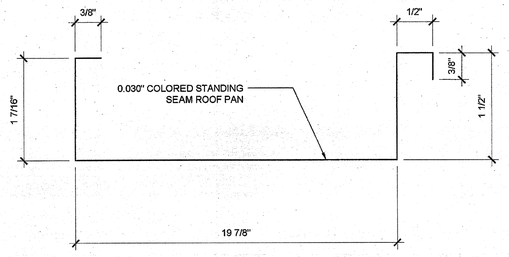
NOT USED 2b



ROOF FLASHING SCALE : 6"=1'-0" 2a



FLASHING AT ROOF LOW SIDE(S) SCALE : 6"=1'-0" 3a

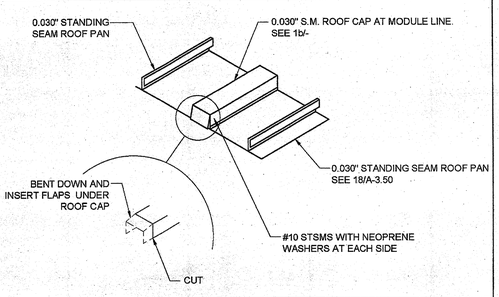


ROOF DECK PROFILE SCALE : 6"=1'-0" 18

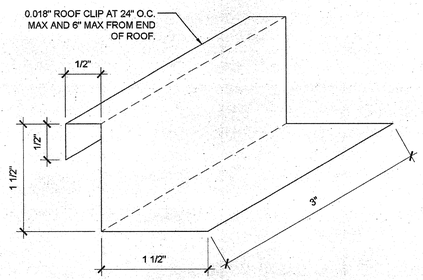
13

8

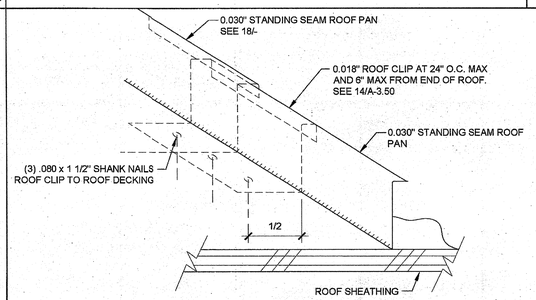
NOT USED 3b



MODULE LINE ROOF CAP SCALE : NTS 19

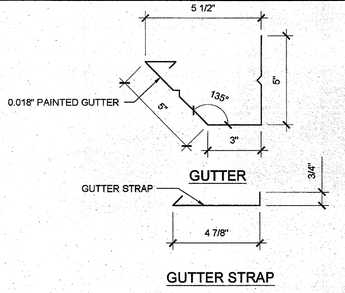


ROOF CLIP SCALE : 1'-0"=1'-0" 14

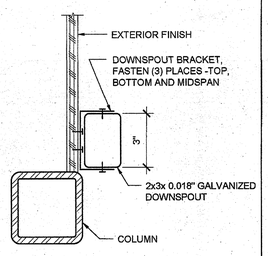


ROOF STANDING SEAM SCALE : NTS 9

4

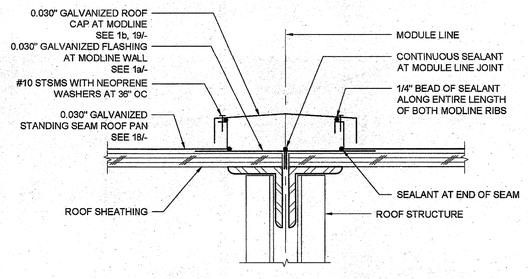


0.018" GUTTER AND GUTTER STRAP SCALE : 3"=1'-0" 5



DOWNSPOUT ATTACHMENT SCALE : 3"=1'-0" 20

15



MODULE LINE ROOF CAP - 0.030" ROOF SCALE : 3"=1'-0" 10

PROJECT NAME:

ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:

PROJECT SPECIFIC ROOF DETAILS
0.030 STANDING SEAM ROOF DECK

ARCHITECT OF RECORD SUBMISSION DATE

LICENSED ARCHITECT — ROBERT E. PARKER — No. C-33467 — REN: 08-31-2019 — STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS — SS DIV
DATE APR 2 6 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC — FLS — SS
Date MAY 22 2018

REVISIONS

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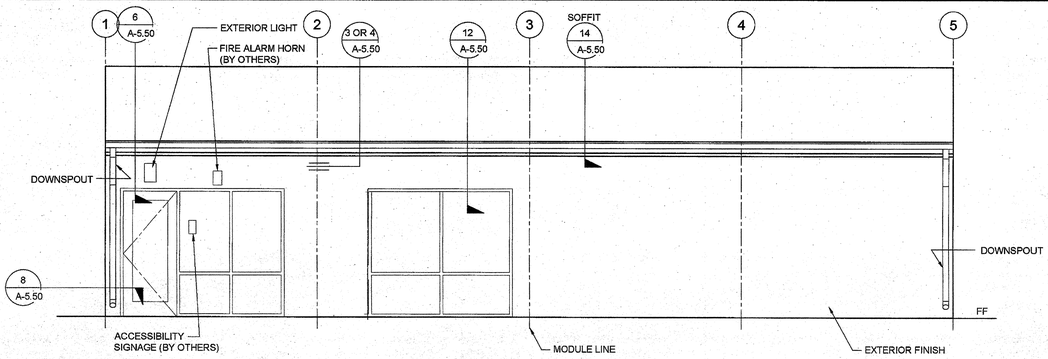
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER

A-3.50N

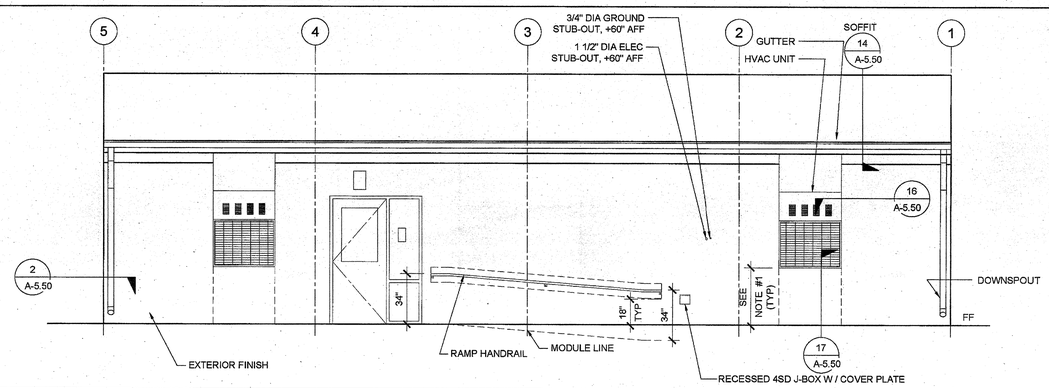


PAINT FINISH NOTE
EXTERIOR SIDING - FLAT
EXTERIOR TRIM - SEMI GLOSS
EXTERIOR DOORS AND FRAMES - GLOSS
GUTTERS & DOWNSPOUTS - SEMI GLOSS

NOTE:
EXTERIOR FINISH TO BE 5/16" CEMENTOUS SIDING (STUCCO LOOK) WITH STEEL COLUMNS AND BEAMS EXPOSED TYP.

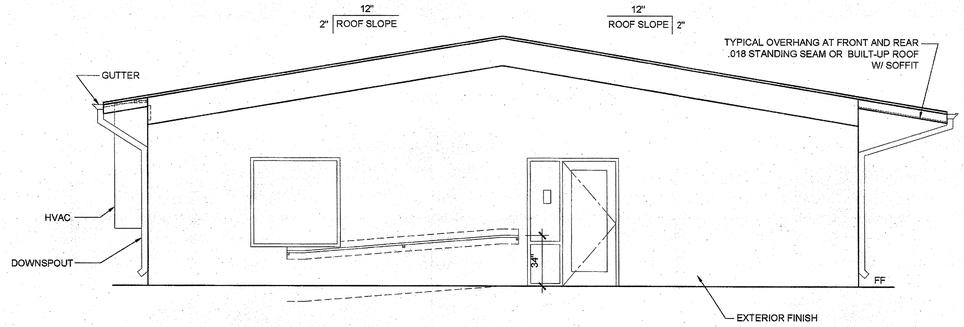
EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE

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

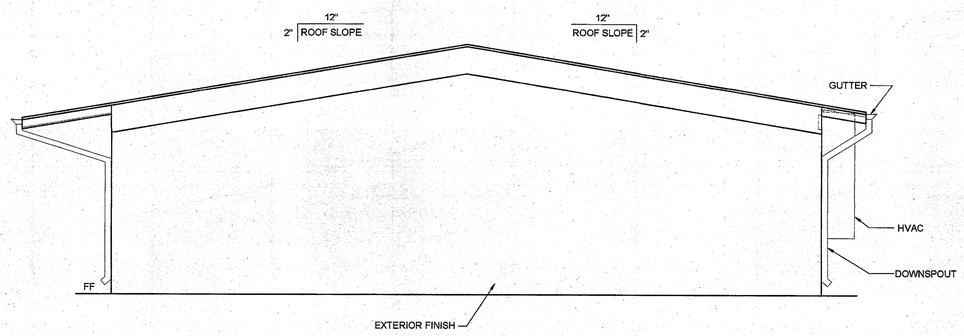


EXTERIOR ELEVATIONS - REAR - DUAL SLOPE

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



SCALE: 1/4" = 1' - 0" | 3



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

PROJECT NAME:
ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:
PROJECT SPECIFIC
EXTERIOR ELEVATIONS

ARCHITECT OF RECORD
SUBMISSION DATE

LICENSED ARCHITECT
DAVID R. EDWARDS
No. C-33457
RENEW 01-31-2019
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS 2A
DATE APR 26 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

REVISIONS
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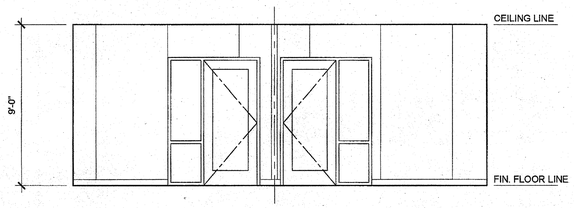
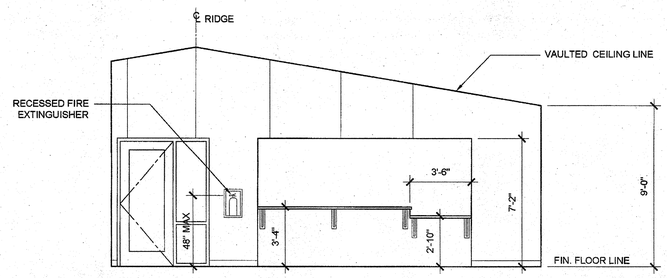
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

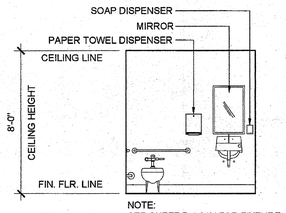
SHEET NUMBER
A-4.05N



INTERIOR ELEVATION SCALE: 1/4" = 1'-0" 5

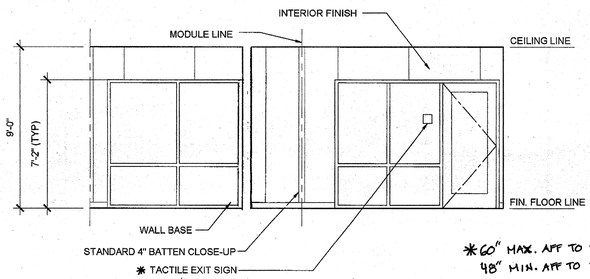


INTERIOR ELEVATION SCALE: 1/4" = 1'-0" 1



NOTE:
SEE SHEET P-1.01N FOR FIXTURE HEIGHTS AND CLEARANCES

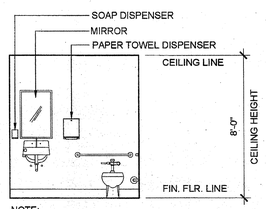
INTERIOR ELEVATION SCALE: 1/4" = 1'-0" 6



SEE SHT. A-0.1 FOR SIGNAGE REQS.

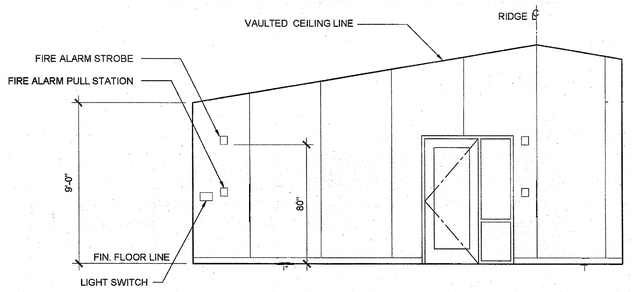
*60" MAX. AFF TO THE BASELINE OF THE HIGHEST RAISED TEXT &
48" MIN. AFF TO THE BASELINE OF THE LOWEST BRAILLE CELLS

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



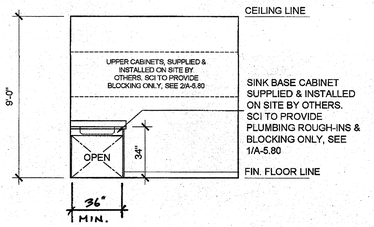
NOTE:
SEE SHEET P-1.01N FOR FIXTURE HEIGHTS AND CLEARANCES

INTERIOR ELEVATION SCALE: 1/4" = 1'-0" 7



INTERIOR ELEVATION SCALE: 1/4" = 1'-0" 3

NOTE:
ADD 1/2" x 2" PLYWOOD FILLER @ BOTTOM EDGE OF TACK BOARD ON ALL WALLS TYP.



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

PROJECT NAME:

ELITE MODULAR STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:

PROJECT SPECIFIC INTERIOR ELEVATIONS

ARCHITECT OF RECORD SUBMISSION DATE

LICENSED ARCHITECT
No. C-33467
REN: 01-31-2019
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS
DATE APR 26 2018

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DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

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SILVER CREEK INDUSTRIES

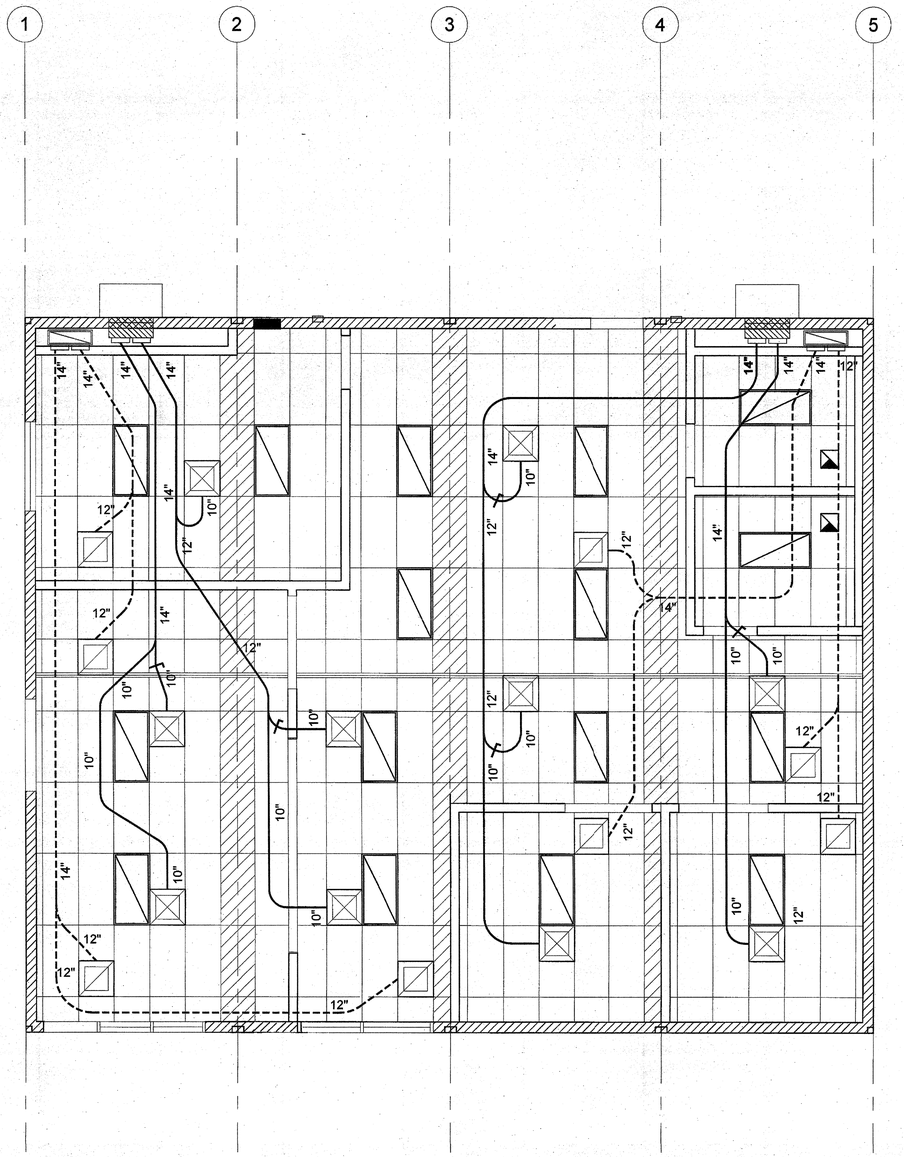
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER

A-6.03N

NOTE:
PROVIDE ECONOMIZER W/ HVAC UNIT.

SEE M-1.03 FOR MECHANICAL SCHEDULE



MECHANICAL PLAN

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

1

PROJECT NAME:

ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:

PROJECT SPECIFIC
MECHANICAL PLAN

ARCHITECT OF RECORD
SUBMISSION DATE

LICENSED ARCHITECT
JACK F. SHAVELL
No. C-33457
REN: 01-31-2019
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
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SILVER CREEK INDUSTRIES

PROJECT NO:
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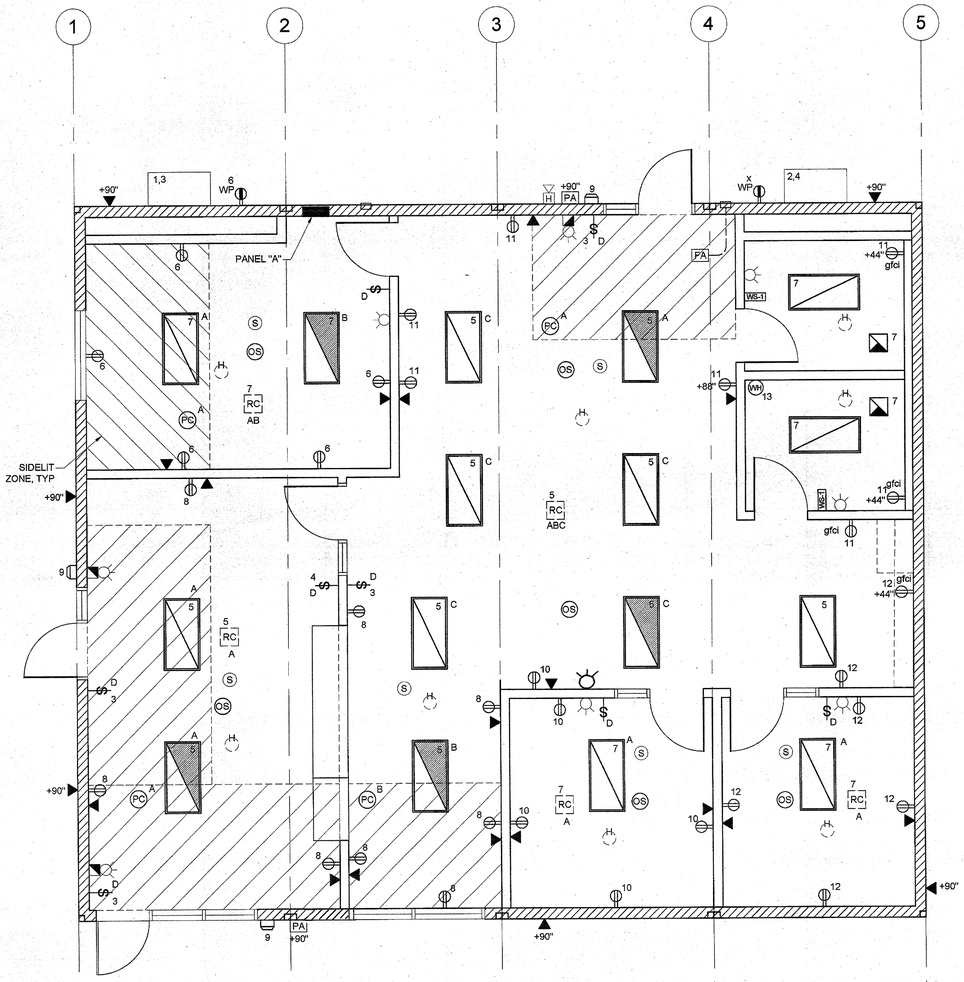
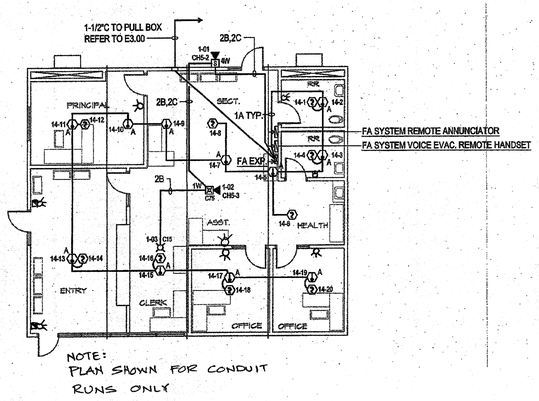
M-1.03N



ELECTRICAL PLAN

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

PANEL: A	PHASE:		VOLTS:		BUSS:			MAIN:				LOCATION:			FEED:				MOUNTING:
S/N:	SINGLE		120/240		200 AMP							INTERIOR			REAR				RECESSED
OBJECT	WATT	NO.		WATTS			WIRE	CKT	LEG		CKT	WIRE			WATTS			NO	WATT	OBJECT
DESCRIPTION	PER	OF	LCL	A	B	BRK	POLE	SIZE	NO	A	B	NO	SIZE	POLE	BRK	A	B	LCL	OF	PER	DESCRIPTION
4 TON A/C	5428	1	x	5428		60	2	#6	1	X		2	#6	2	60	5428		x	1	5428	4 TON A/C
4 TON A/C	5428	/	x		5428	/	/	#6	3		X	4	#6	/	/		5428	x	/	5428	4 TON A/C
INTERIOR LIGHTS	136	10	x	1360		20	1	#12	5	X		6	#12	1	20	1080			6	180	RECEPTS
INTERIOR LIGHTS	136	8	x		1088	20	1	#12	7		X	8	#12	1	20		1080		6	180	RECEPTS
EXTERIOR LIGHTS	100	3		300		20	1	#12	9	X		10	#12	1	20	900			5	180	RECEPTS
RECEPTS	180	8			1440	20	1	#12	11		X	12	#12	1	20		1080		6	180	RECEPTS
6 GAL W/H	1500	1		1500		30	1	#10	13	X		14				0					
					0				15		X	16					0				
				0					17	X		18				0					
					0				19		X	20					0				
				0					21	X		22				0					
					0				23		X	24					0				
	LEG TOTALS			8588	7956											7408	7588	LEG TOTALS			
LCL=6040+31540=37580																					
TOTAL WATTS=37580									LEG BALANCE = 1.4%									TOTAL AMPS: 156.58			



NOTE:
PLAN SHOWN FOR CONDUIT RUNS ONLY

FIRE ALARM SYMBOL SCHEDULE

SYMBOL	NAME	DESCRIPTION	SSFM #
(E)	EXISTING ITEM		
U.O.N.	UNLESS OTHERWISE NOTED		
	WIRING UNDERGROUND OR IN WALL	3/4"C MIN U.O.N.	
	EXISTING CONDUIT / WIRING TO REMAIN		
FACP	(E) FIRE ALARM CONTROL PANEL	HOCHIKI #FN-4127	7165-0410:0159
	FIRE ALARM EXPANDER PANEL	HOCHIKI #FN-842-ULADA-R	7315-0410:0165
EVAC	(E) FIRE ALARM VOICE EVACUATION SYSTEM	HOCHIKI #FNV-MP-16-R	6911-0410:0175
	FIRE ALARM LCD NETWORK ANNUNCIATOR	HOCHIKI #FN-LCD-N	7120-0410:0165
	FIRE ALARM SUPERVISED REMOTE MICROPHONE W/ REMOTE MICROPHONE SUPERVISION BOARD	HOCHIKI #EVX-RMR-H HOCHIKI #EVX-SC	6912-1446:0100
(SOM)	(E) SUPERVISED OUTPUT MODULE	HOCHIKI #DCP-SOM-A	7300-0410:0150
	TYPICAL EXISTING DEVICE	SEE ORIGINAL CONSTRUCTION DOCUMENTS	
	DUCT SMOKE DETECTOR	HOCHIKI #ALN-V HSB-NSA-6 BASE	7272-0410:0204 7300-0410:0132
	HEAT DETECTOR	HOCHIKI #ALT-EA HSB-NSA-6 BASE	7272-0410:0203 7300-0410:0132
WS W	WEATHERPROOF WALL MOUNT SPEAKER, W =WATTAGE (1/8 W, 1/4 W, 1/2 W, 1 W, 2W AND 4W) SEE FLOOR PLAN FOR SETTINGS	GENTEX # WSSPKR	7320-0592:0141
MS W	LOW PROFILE CEILING MOUNT SPEAKER / STROBE, (MC) = MULTI-CANDELA (15, 30, 60, 75 AND 110) SETTINGS W =WATTAGE (1/8 W, 1/4 W, 1/2 W, 1 W, 2W AND 4W) SEE FLOOR PLAN FOR SETTINGS	HOCHIKI # HSSPK24-15/75WLP-I	7320-0410:0195
MS	VISUAL DEVICE, CEILING MOUNT (MC) = MULTI-CANDELA, 15, 30, 60, 75 AND 110 SETTINGS, SEE FLOOR PLAN FOR SETTINGS	HOCHIKI #HES3-24WR	7135-0410:0188

FIRE ALARM PLAN AND SCHEDULES | 3

2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING, ORACLE OT-LED SERIES MODEL # OT-LED-6000L-DIM10-MVOLT-40K-85-A12 WATTAGE: 56 WATTS

2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING, ORACLE OT-LED SERIES MODEL # OT-LED-6000L-DIM10-MVOLT-40K-85-A12 WATTAGE: 56 WATTS
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 OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

WALLPACK LIGHT FIXTURE 'RAB LIGHTING' SLIM 18 W/ PHOTOCELL

4S J-BOX (DATA OUTLET) W/ SINGLE GANG RING & 3/4" CONDUIT WITH PULL STRING STUBBED ABOVE CEILING

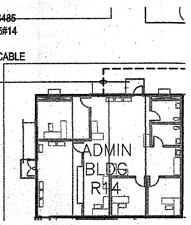
FA — 4S BOX WITH 1" CONDUIT INTO ATTIC SPACE TO 4S DEEP BOX FOR FIRE ALARM CABLE

FA — 4S J-BOX W/ 3/4" CONDUIT TO ATTIC (EXTERIOR PA SYSTEM SPEAKER) INSTALL AT +90" A.F.F.

RC — LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER, INSTALLED ABOVE CEILING, LOCATION AND # OF LOADS/ZONES TO BE VERIFIED, ACUILTY CMR9-PDTRAB

NOTE:
1. PROVIDE STAINLESS STEEL COVER PLATES FOR ALL RECEPTACLES AND DATA OUTLETS.

1-1/2"C - FA (1) "A" CABLE SLC LOOP, (1) RS485 NETWORK, (1) "C" CABLE SPEAKERS AND 5#14 THHN/THWN REMOTE VOICE HANDSET
3/4"C - FA (1) "A" CABLE SLC LOOP, (1) "B" CABLE AND (1) "C" CABLE SPEAKERS
(3) 1-1/2"C - COMMUNICATION, SPARES



ELECTRICAL LEGEND | 2

PROJECT NAME:
ELITE MODULAR
STOCK PILE #17
(1) 48x40 OFFICE BLDG

SHEET TITLE:
PROJECT SPECIFIC ELECTRICAL PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS SS DWJ
DATE APR 26 2018

REVISIONS
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SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
E-1.03N

MODULAR CLASSROOM BUILDINGS
BUILDING SIZE: 24' X 40'
EXPANDABLE TO 120' X 40'

2:12 ROOF SLOPE

PC 04-114102

BY

SILVER CREEK INDUSTRIES, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

GENERAL NOTES

1. FIRE ALARM IS NOT PART OF THIS APPROVAL
2. ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2013 CBC 705.3
3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
4. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING
5. FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS
6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES
8. EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2013 CBC.
9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1406.
10. SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL"
12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.
13. WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION
14. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM REQUIREMENTS OF THE STC RATING OF 40 PER CALGREEN CODE, SECTION 5.507.4.3.

APPLICABLE STANDARDS

NFPA 13 AUTOMATIC SPRINKLER SYSTEMS (CALIF AMENDED) 2013 EDITION
NFPA 72 NAT. FIRE ALARM CODE (CALIF. AMENDED) 2013 EDITION (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

APPLICABLE CODES

LIST OF 2013 CALIFORNIA CODE OF REGULATIONS

2013 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2012 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
2007 ASME A17.1 (w/A17.1a/CSA B44a-08 ADDENDA) SAFETY CODE FOR ELEVATORS AND ESCALATORS

BUILDING DATA

NUMBER OF STORIES:	1 - STORY	
OCCUPANCY:	E: 24' - 120' x 40' BUILDINGS (LECTURE CLASSROOM)	
TYPE OF CONSTRUCTION:	VB	
FLOOR LIVE LOAD:	☐ 50 PSF	☐ 50+15 PSF PARTITION LOAD
	☑ 100 PSF	☐ 150 PSF
ROOF LIVE LOAD:	☑ 20 PSF	☐ 40 PSF SNOW LOAD
FLOOR DEAD LOAD:	☑ WOOD FLOOR - 8 PSF	☐ CONC FLOOR - 33 PSF
ROOF DEAD LOAD:	17 PSF (INCLUDING SPRINKLER LOAD)	
RAMP LIVE LOAD:	100 PSF	
BUILDING AREA: (AREA WITHOUT OVERHANGS / AREA WITH OVERHANGS) ALLOWABLE AREA = 9000 SF	☐ 24'x40' BLDG - 960 SF/1140 SF ☐ 36'x40' BLDG - 1440 SF/1710 SF ☑ 48'x40' BLDG - 1920 SF/2280 SF ☐ 60'x40' BLDG - 2400 SF/2850 SF ☐ 72'x40' BLDG - 2880 SF/3420 SF	☐ 84'x40' BLDG - 3360 SF/3990 SF ☐ 96'x40' BLDG - 3840 SF/4560 SF ☐ 108'x40' BLDG - 4320 SF/5130 SF ☐ 120'x40' BLDG - 4800 SF/5700 SF
FOUNDATION:	☑ WOOD	☐ CONCRETE
CEC CLIMATE ZONES:	1- 16	

WIND DESIGN DATA SECTION 1603A.1.4

1. BASIC WIND SPEED, 3 SEC GUST (MPH) :		Vult=130 MPH/Vasd=100 MPH/Kzt = 1.0"	
2. RISK CATEGORY :		II	
3. WIND EXPOSURE :		"C"	
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT :		± 0.18	
5. COMPONENTS AND CLADDING : (STRENGTH LEVEL, PSF)			
ZONE 1 =	38.5	ZONE 4 =	38.1
ZONE 2 =	64.5	ZONE 5 =	46.9
ZONE 3 =	97.1		

EARTHQUAKE DESIGN DATA SECTION 1603A.1.5

1. SEISMIC IMPORTANCE FACTOR :				1
2. MAPPED SPECTRAL RESPONSE :				
S_S = 1.875 (FOR BASE SHEAR)		S_1 = 0.675		
S_S = 2.14 (FOR ARCHITECTURAL COMPONENTS)				
3. SITE CLASS				D
4. SPECTRAL RESPONSE COEFFICIENTS :				
S_{DS} = 1.0		S_{D1} = 0.675		
5. SEISMIC DESIGN CATEGORY :				D
6. BASIC SEISMIC-FORCE-RESISTING-SYSTEM :				STEEL OMF
7. DESIGN BASE SHEAR (kips) :				
CONC FLOOR	PLY FLOOR	LL<100	LL=150	
X		X		22.91
	X	X		16.05
X			X	31.15
	X		X	24.29
8. SEISMIC RESPONSE COEFFICIENT, Cs :				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.

SNOW DESIGN DATA SECTION 1603A.1.3

1. GROUND SNOW LOAD	Pg = 40 PSF
2. FLAT ROOF SNOW LOAD	Pf = 28 PSF
3. SNOW EXPOSURE FACTOR	Ce = 1.0
4. SNOW LOAD IMPORTANCE FACTOR	I = 1.0
5. THERMAL FACTOR	Ct = 1.0

SHEET INDEX

SHT NO.	ARCHITECTURAL
A-0	COVER SHEET
A-0A	T & I FORMS
~~A-0B~~	~~T & I FORMS~~
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'
A-0.5A	ENERGY CALC'S - PRF FORMS - ZONE 14 WORST CASE
A-0.5B	ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE
A-0.5C	ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE
A-0.6A	ENERGY CALC'S - ELC FORMS - 24' x 40' BUILDINGS
A-0.6B	ENERGY CALC'S - LTO / MCH FORMS - 24' x 40' BUILDINGS
A-0.6C	ENERGY CALC'S - LTI FORMS - 24' x 40' BUILDINGS
A-0.6D	ENERGY CALC'S - ELC FORMS - 120' x 40' BUILDINGS
A-0.6E	ENERGY CALC'S - LTO / MCH FORMS - 120' x 40' BUILDINGS
A-0.6F	ENERGY CALC'S - LTI FORMS - 120' x 40' BUILDINGS
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
~~A-1.01~~	~~FLOOR PLAN - 24' x 40'~~
~~A-1.02~~	~~FLOOR PLAN - 36' x 40'~~
A-1.03	FLOOR PLAN - 48' TO 120' x 40'
~~A-1.04~~	~~OPTIONAL 12 x 40 TOILET MODULE PLANS & ELEVATIONS~~
~~A-1.05~~	~~OPTIONAL 12 x 40 TOILET MODULE PLUMBING PLAN & ISOMETRICS~~
~~A-1.06~~	~~OPTIONAL 24 x 40 TOILET BUILDING PLANS & ELEVATIONS~~
~~A-1.07~~	~~OPTIONAL 24 x 40 TOILET BUILDING PLUMBING PLAN & ISOMETRICS~~
~~A-2.01~~	~~REFLECTED CEILING PLAN - 24' x 40'~~
~~A-2.02~~	~~REFLECTED CEILING PLAN - 36' x 40'~~
~~A-2.03~~	~~REFLECTED CEILING PLAN - 48' TO 120' x 40'~~
~~A-2.11~~	~~REFLECTED CEILING PLAN - 24' x 40' - VAULTED CEILING~~
~~A-2.12~~	~~REFLECTED CEILING PLAN - 36' x 40' - VAULTED CEILING~~
A-2.13	REFLECTED CEILING PLAN - 48' TO 120' x 40' - VAULTED CEILING
A-2.20	CEILING DETAILS - T GRID
~~A-2.21~~	~~CEILING DETAILS - HARD LID~~
~~A-3.01~~	~~ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 24' x 40'~~
~~A-3.02~~	~~ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 36' x 40'~~
A-3.04	ROOF PLAN ~~0.018"~~ METAL DECK - DUAL SLOPE - 48' TO 120' x 40'
~~A-3.11~~	~~ROOF PLAN - 0.030" METAL DECK - DUAL SLOPE - 24' x 40'~~
~~A-3.12~~	~~ROOF PLAN - 0.030" METAL DECK - DUAL SLOPE - 36' x 40'~~
~~A-3.14~~	~~ROOF PLAN - 0.030" METAL DECK - DUAL SLOPE - 48' TO 120' x 40'~~
~~A-3.21~~	~~ROOF PLAN - BUILT UP ROOF - DUAL SLOPE - 24' x 40'~~
~~A-3.22~~	~~ROOF PLAN - BUILT UP ROOF - DUAL SLOPE - 36' x 40'~~
~~A-3.24~~	~~ROOF PLAN - BUILT UP ROOF - DUAL SLOPE - 48' TO 120' x 40'~~
~~A-3.41~~	~~ROOF PLAN - TPO - DUAL SLOPE - 24' x 40'~~
~~A-3.42~~	~~ROOF PLAN - TPO - DUAL SLOPE - 36' x 40'~~
~~A-3.44~~	~~ROOF PLAN - TPO - DUAL SLOPE - 48' TO 120' x 40'~~
A-3.50	ROOF DETAILS - 0.018" STANDING SEAM ROOF DECK
~~A-3.60~~	~~ROOF DETAILS - 0.030" STANDING SEAM ROOF DECK~~
~~A-3.61~~	~~ROOF DETAILS - 0.030" STANDING SEAM ROOF DECK~~
~~A-3.70~~	~~ROOF DETAILS - BUILT UP ROOF~~
~~A-3.90~~	~~ROOF DETAILS - TPO ROOF~~
~~A-4.01~~	~~EXTERIOR ELEVATIONS - DUAL SLOPE - 24' x 40'~~
~~A-4.03~~	~~EXTERIOR ELEVATIONS - DUAL SLOPE - 36' x 40'~~
A-4.05	EXTERIOR ELEVATIONS - DUAL SLOPE - 48' TO 120' x 40'
A-5.02	CROSS SECTION - DUAL SLOPE - 0.018", B.U., OR TPO ROOF DECK
~~A-5.04~~	~~CROSS SECTION - DUAL SLOPE - 0.030" ROOF DECK~~
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
~~A-5.51~~	~~ARCHITECTURAL DETAILS - WOOD STUD - PLASTER~~
~~A-5.52~~	~~ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED~~
~~A-5.53~~	~~ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED~~
~~A-5.60~~	~~ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING~~
~~A-5.61~~	~~ARCHITECTURAL DETAILS - STEEL STUD - PLASTER~~
~~A-5.62~~	~~ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING - 1 HOUR RATED~~
~~A-5.63~~	~~ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED~~
~~A-5.64~~	~~ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS~~
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
~~A-6.01~~	~~INTERIOR ELEVATIONS - 24' x 40'~~
~~A-6.02~~	~~INTERIOR ELEVATIONS - 36' x 40'~~
A-6.03	INTERIOR ELEVATIONS - 48' TO 120' x 40'

SHT NO.	FOUNDATION
~~F-0.01~~	~~WOOD FOUNDATION PLAN - 24' x 40' - (50 PSF)~~
~~F-0.02~~	~~WOOD FOUNDATION PLAN - 24' x 40' - (50+15 PSF)~~
~~F-0.03~~	~~WOOD FOUNDATION PLAN - 24' x 40' - (100 PSF)~~
~~F-0.04~~	~~WOOD FOUNDATION PLAN - 24' x 40' - (150 PSF)~~
~~F-0.11~~	~~WOOD FOUNDATION PLAN - 36' x 40' - (50 PSF)~~
~~F-0.12~~	~~WOOD FOUNDATION PLAN - 36' x 40' - (50+15 PSF)~~

SHT NO.	FOUNDATION (CONT.)
~~F-0.13~~	~~WOOD FOUNDATION PLAN - 36' x 40' - (100 PSF)~~
~~F-0.14~~	~~WOOD FOUNDATION PLAN - 36' x 40' - (150 PSF)~~
~~F-0.21~~	~~WOOD FOUNDATION PLAN - 48' x 40' - (50 PSF)~~
~~F-0.22~~	~~WOOD FOUNDATION PLAN - 48' x 40' - (50+15 PSF)~~
F-0.23	WOOD FOUNDATION PLAN - 48' x 40' (100 PSF)
~~F-0.24~~	~~WOOD FOUNDATION PLAN - 48' x 40' - (150 PSF)~~
F-0.50	FOUNDATION DETAILS - WOOD
~~F-1.01~~	~~CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR~~
~~F-1.11~~	~~CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR~~
~~F-1.50~~	~~CONCRETE FOUNDATION DETAILS - ABOVE GRADE~~
~~F-2.01~~	~~CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR~~
~~F-2.11~~	~~CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR~~
~~F-2.50~~	~~CONCRETE FOUNDATION DETAILS - BELOW GRADE~~
~~F-2.51~~	~~FOUNDATION DETAILS - CONCRETE~~

SHT NO.	STRUCTURAL
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
~~S-1.11~~	~~FLOOR FRAMING PLAN - CONCRETE FLOOR~~
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
~~S-1.60~~	~~FLOOR FRAMING DETAILS - CONCRETE FLOOR~~
S-2.11	ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - 20 PSF
~~S-2.12~~	~~ROOF FRAMING PLAN - 0.030" - 20 PSF~~
~~S-2.13~~	~~ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO - 40 PSF SNOWLOAD~~
~~S-2.14~~	~~ROOF FRAMING PLAN - 0.030" - 40 PSF SNOWLOAD~~
S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
S-2.60	ROOF FRAMING DETAILS
S-3.02	BUILDING SECTION - DUAL SLOPE ROOF
~~S-3.04~~	~~BUILDING SECTION - 0.030" DUAL SLOPE ROOF~~
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS
S-5.12	WALL FRAMING OPENING SCHEDULE / WOOD STUDS
~~S-5.20~~	~~WALL FRAMING ELEVATIONS - STEEL STUDS~~
~~S-5.30~~	~~WALL FRAMING DETAILS - STEEL STUDS~~
~~S-5.31~~	~~WALL FRAMING DETAILS - STEEL STUDS~~

SHT NO.	PLUMBING
P-1.01	PLUMBING DETAILS AND SCHEDULE

SHT NO.	MECHANICAL
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
~~M-1.01~~	~~MECHANICAL PLAN - WALL MOUNT - 24' x 40'~~
~~M-1.02~~	~~MECHANICAL PLAN - WALL MOUNT - 36' x 40'~~
M-1.03	MECHANICAL PLAN - WALL MOUNT - 48' TO 120' x 40'
~~M-2.01~~	~~MECHANICAL PLAN - ROOF MOUNT - 24' x 40'~~
~~M-2.02~~	~~MECHANICAL ROOF PLAN - ROOF MOUNT - 24' x 40'~~
~~M-3.01~~	~~MECHANICAL PLAN - ROOF MOUNT - 36' x 40'~~
~~M-3.02~~	~~MECHANICAL ROOF PLAN - ROOF MOUNT - 36' x 40'~~
~~M-4.01~~	~~MECHANICAL PLAN - ROOF MOUNT - 48' TO 120' x 40'~~
~~M-4.02~~	~~MECHANICAL ROOF PLAN - ROOF MOUNT - 48' TO 120' x 40'~~

SHT NO.	ELECTRICAL
~~E-1.01~~	~~ELECTRICAL PLAN - 24' x 40'~~
~~E-1.02~~	~~ELECTRICAL PLAN - 36' x 40'~~
E-1.03	ELECTRICAL PLAN - 48' TO 120' x 40'

SHT NO.	RAMP
R-1.01	STANDARD RAMP PLAN
~~R-1.02~~	~~OFFSET RAMP PLAN~~
~~R-1.03~~	~~RAMP LANDING~~
~~R-1.04~~	~~STANDARD LANDING WITH STEPS~~
~~R-1.05~~	~~SWITCHBACK RAMP PLAN~~
R-2.01	RAMP DETAILS
~~R-3.01~~	~~CONCRETE RAMP~~

SHT NO.	RELOCATABLE SHEETS
~~REL-101~~	~~BUILDING RELOCATION DETAILS~~
~~REL-102~~	~~BUILDING RELOCATION DETAILS~~

SHT NO.	FIRE SPRINKLERS
~~FS-1~~	~~FIRE SPRINKLER COVER SHEET~~
~~FS-2~~	~~TYPICAL FIRE SPRINKLER PLANS~~
~~FS-3~~	~~TYPICAL FIRE SPRINKLER PLANS~~
~~FS-4~~	~~TYPICAL FIRE SPRINKLER PLANS~~
~~FS-5~~	~~TYPICAL FIRE SPRINKLER PLANS~~
~~FS-6~~	~~TYPICAL FIRE SPRINKLER PLANS~~
~~FS-7~~	~~TYPICAL FIRE SPRINKLER PLANS~~

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

COVER SHEET

LICENSED ARCHITECT
JACK F. SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC NJ FLS L SS SJ
Date MAY 2 2 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS – FLS SS DW
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAF
DATE AUG 4 2015

ACS: J. Schaible
FLS: [illegible]
SSS: R. FRENCH

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-0

DSA-103 rev 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # | DSA File No.: / Application No.: | Date Submitted: | Revised: | Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
-	**SOILS**			
	1. GENERAL:	Table 1705A.6		
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
-	2. COMPACTED FILLS:	Table 1705A.6		
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
-	**CONCRETE**	Table 1705A.3		
-	7. CAST IN PLACE CONCRETE			
	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
	OKAY to waive testing of reinforcing steel.			IR 17-10
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1905A.1.2 (1913.3.1+). ASTM C39.
	Inspection:			
X	f. Batch plant inspection - design complies with 1705A.3.3 Item 2	Periodic	SI	1705A.3.3, Item 2. Requires first batch inspection, weighmaster, and batch tickets.
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
-	11. POST-INSTALLED ANCHORS:			
X	a. Inspect installation of post-installed anchors	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
X	b. Test post-installed anchors.	Test	Lab	1913.7 (1913.2.11+).
+	**MASONRY**	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	**STEEL**	Table 1705A.2.1		
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
-	19.2 FIELD WELDING: [1, 2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. INSPECT SINGLE-PASS FILLET WELDS ≤ 5/16"	PERIODIC	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING: [3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8.- ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	
X	b. SHOP WELD, INSPECT WELDING OF STEEL FLOOR DECK WELDS	Periodic	SI	

SUMMARY

1 Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
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5 Field Welding Inspection: Special Inspection Verified Report - Form DSA-292
6 Steel Joist Fabrication Inspection: Special Inspection Verified Report - Form DSA-292

NOTE:

THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. MOD TO MOD OPTION ONLY. SEE 12/S1.50 OR 12/S1.60
2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRETE FOUNDATION OPTION ONLY, SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.02 AND S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)

CONCRETE FLOOR - CONCRETE FOUNDATION

DSA-103 rev 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # | DSA File No.: / Application No.: | Date Submitted: | Revised: | Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
-	**SOILS**			
	1. GENERAL:	Table 1705A.6		
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
-	2. COMPACTED FILLS:	Table 1705A.6		
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
-	**CONCRETE**	Table 1705A.3		
-	7. CAST IN PLACE CONCRETE			
	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
	OKAY to waive testing of reinforcing steel.			IR 17-10
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1905A.1.2 (1913.3.1+). ASTM C39.
	Inspection:			
X	f. Batch plant inspection - design complies with 1705A.3.3 Item 2	Periodic	SI	1705A.3.3, Item 2. Requires first batch inspection, weighmaster, and batch tickets.
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
-	11. POST-INSTALLED ANCHORS:			
X	a. Inspect installation of post-installed anchors	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
X	b. Test post-installed anchors.	Test	Lab	1913.7 (1913.2.11+).
+	**MASONRY**	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	**STEEL**	Table 1705A.2.1		
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
-	19.2 FIELD WELDING: [1, 2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. INSPECT SINGLE PASS FILLET WELDS ≤ 5/16"	PERIODIC	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING: [3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8.- ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	

SUMMARY

1 Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
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2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRETE FOUNDATION OPTION ONLY, SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.02 AND S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)

PLYWOOD FLOOR - CONCRETE FOUNDATION

2

The example form DSA 103s shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103s are to be crossed out on this drawing.

DSA-103 rev 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # | DSA File No.: / Application No.: | Date Submitted: | Revised: | Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
+	**SOILS**			
+	**CONCRETE**	Table 1705A.3		
+	**MASONRY**	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	**STEEL**	Table 1705A.2.1		
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
-	19.2 FIELD WELDING: [1, 2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. INSPECT SINGLE PASS FILLET WELDS ≤ 5/16"	PERIODIC	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING: [3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8.- ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	
+	**WOOD**			
+	**OTHER**			

SUMMARY

1 All Structural Testing: Laboratory Verified Report - Form DSA-291
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NOTE:

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FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. MOD TO MOD OPTION ONLY. SEE 12/S1.50 OR 12/S1.60
2. NOT USED.
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.02 AND S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)

PLYWOOD FLOOR - WOOD FOUNDATION

1

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

T & I FORMS

LICENSED ARCHITECT — KIRK SILVELY II — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS DW
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A RESPONSE/PROJECT APPLICATION AND CONSTRUCTION REVIEWED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC. FLS SS RAF
DATE AUG - 4 2015

REVISIONS

1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15

P.C. SHEET NUMBER

A-0A

BUILDING OPTIONS SCHEDULE

BUILDING SECTION		SHEET NUMBER
BUILDING SECTION:	☐ DUAL SLOPE ROOF	S-3.02
	☑ 0.030" DUAL SLOPE ROOF	S-3.04

WALL FRAMING		SHEET NUMBER
FRAMING ELEVATIONS:	☑ WOOD STUDS	S-5.00
	☐ STEEL STUDS	S-5.20
FRAMING DETAILS:	☑ WOOD STUDS	S-5.10
	☑ WOOD STUDS	S-5.11
	☑ WOOD STUDS WALL FRAMING OPENING SCHEDULE	S-5.12
	☐ STEEL STUDS	S-5.30
	☐ STEEL STUDS	S-5.31

PLUMBING	SHEET NUMBER
☑ PLUMBING DETAILS AND SCHEDULES	P-1.01

MECHANICAL		SHEET NUMBER
☑ MECHANICAL NOTES, SCHEDULES, AND DETAILS:		M-0.1
☐ 24' x 40' - WALL MOUNT	☐ 4 LIGHT CONFIGURATION	M-1.01
☐ 36' x 40' - WALL MOUNT	☐ 4 LIGHT CONFIGURATION	M-1.02
☑ 48' TO 120' x 40' - WALL MOUNT	☑ 4 LIGHT CONFIGURATION	M-1.03
☐ 24' x 40' - ROOF MOUNT	☐ 4 LIGHT CONFIGURATION	M-2.01
☐ 24' x 40' MECHANICAL ROOF PLAN		M-2.02
☐ 36' x 40' - ROOF MOUNT	☐ 4 LIGHT CONFIGURATION	M-3.01
☐ 36' x 40' MECHANICAL ROOF PLAN		M-3.02
☐ 48' TO 120' x 40' - ROOF MOUNT	☐ 4 LIGHT CONFIGURATION	M-4.01
☐ 48' TO 120' x 40' MECHANICAL ROOF PLAN		M-4.02

ELECTRICAL			SHEET NUMBER
ELECTRICAL PLAN:	☐ 24' x 40'	☐ 4 LIGHT CONFIGURATION	E-1.01
	☐ 36' x 40'	☐ 4 LIGHT CONFIGURATION	E-1.02
	☑ 48' TO 120' x 40'	☑ 4 LIGHT CONFIGURATION	E-1.03

RAMP		SHEET NUMBER
RAMP PLANS:	☑ STANDARD RAMP PLAN	R-1.01
	☐ OFFSET RAMP PLAN	R-1.02
	☐ RAMP LANDING	R-1.03
	☐ STANDARD LANDING WITH STEPS	R-1.04
	☐ SWITCHBACK RAMP PLAN	R-1.05
	☑ RAMP DETAILS	R-2.01
	☐ CONCRETE RAMP	R-3.01

BUILDING RELOCATABLE DETAILS	SHEET NUMBER
☐ BUILDING RELOCATION DETAILS	REL-101
☐ BUILDING RELOCATION DETAILS	REL-102

FIRE SPRINKLERS	SHEET NUMBER
☐ FIRE SPRINKLER COVER SHEET	FS-1
☐ FIRE SPRINKLER PLAN - 120'x40' BLDG.	FS-2
☐ FIRE SPRINKLER PLAN - 120'x40' BLDG. W/ RESTROOM	FS-3
☐ TYPICAL FIRE SPRINKLER DETAILS	FS-4
☐ TYPICAL FIRE SPRINKLER PLANS - 96'x40', 108'x40'	FS-5
☐ TYPICAL FIRE SPRINKLER PLANS - 48'x40', 60'x40, 72'x40', 84'x40'	FS-6
☐ TYPICAL FIRE SPRINKLER PLANS - 24'x40', 36'x40', 12'x40' RESTROOM	FS-7

EXTERIOR ELEVATION		SHEET NUMBER
EXTERIOR ELEVATIONS:	☐ 24' x 40'	A-4.01
EXTERIOR ELEVATIONS:	☐ 36' x 40'	A-4.03
EXTERIOR ELEVATIONS:	☑ 48' TO 120' x 40'	A-4.05

CROSS SECTIONS		SHEET NUMBER
CROSS SECTIONS:	☑ DUAL SLOPE - ~~0.018",~~ BUILT UP, OR TPO ROOF DECK	A-5.02
	☐ DUAL SLOPE - 0.030" ROOF DECK	A-5.04
	CROSS SECTION	A-5.05

ARCHITECTURAL DETAILS			SHEET NUMBER
WALL DETAILS:	☑ WOOD STUDS	☑ EXTERIOR WOOD SIDING	A-5.50
		☐ EXTERIOR PLASTER FINISH	A-5.51
		☐ EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.52
		☐ EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.53

ARCHITECTURAL DETAILS			SHEET NUMBER
WALL DETAILS:	☐ STEEL STUDS	☐ EXTERIOR WOOD SIDING	A-5.60
		☐ EXTERIOR PLASTER FINISH	A-5.61
		☐ EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.62
		☐ EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.63
☐ 1-HOUR RATED OPTIONS			A-5.64
FLOOR DETAILS:			A-5.70

MISCELLANEOUS DETAILS		SHEET NUMBER
MISCELLANEOUS:	☑ CASEWORK, TV, AND PROJECTION SCREEN DETAILS	A-5.80
	☑ WATER HEATER, DRINKING FOUNTAIN, AND FOLDING WALL DETAILS	A-5.81

INTERIOR ELEVATIONS	SHEET NUMBER
☐ 24' x 40' INTERIOR ELEVATION	A-6.01
☐ 36' x 40' INTERIOR ELEVATION	A-6.02
☑ 48' TO 120' x 40' INTERIOR ELEVATION	A-6.03

FOUNDATIONS		SHEET NUMBER
☑ WOOD FOUNDATION PLAN	☐ 24' x 40' (50 PSF)	F-0.01
	☐ 24' x 40' (50+15 PSF)	F-0.02
	☐ 24' x 40' (100 PSF)	F-0.03
	☐ 24' x 40' (150 PSF)	F-0.04
	☐ 36' x 40' (50 PSF)	F-0.11
	☐ 36' x 40' (50+15 PSF)	F-0.12
	☐ 36' x 40' (100 PSF)	F-0.13
	☐ 36' x 40' (150 PSF)	F-0.14
	☐ 48' x 40' (50 PSF)	F-0.21
	☐ 48' x 40' (50+15 PSF)	F-0.22
	☑ 48' x 40' (100 PSF)	F-0.23
	☐ 48' x 40' (150 PSF)	F-0.24
☑ WOOD FOUNDATION DETAILS:		F-0.50
☐ CONCRETE FOUNDATION PLAN - ABOVE GRADE	☐ WOOD FLOOR - (50, 50+15, 100, OR 150PSF)	F-1.01
	☐ CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)	F-1.11
☐ CONCRETE FOUNDATION DETAILS - ABOVE GRADE:		F-1.50
☐ CONCRETE FOUNDATION PLAN - BELOW GRADE	☐ WOOD FLOOR - (50, 50+15, 100, OR 150PSF)	F-2.01
	☐ CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)	F-2.11
☐ CONCRETE FOUNDATION DETAILS - BELOW GRADE:		F-2.50
☐ FOUNDATION DETAILS - CONCRETE		F-2.51

GENERAL STRUCTURAL SHEETS	SHEET NUMBER
STRUCTURAL SPECS:	S-0.1

FLOOR FRAMING PLANS		SHEET NUMBER
FLOOR FRAMING:	☑ WOOD FLOOR	S-1.01
	☐ CONCRETE FLOOR	S-1.11
FLOOR FRAMING DETAILS:	☑ WOOD FLOOR	S-1.50
	☐ CONCRETE FLOOR	S-1.60

ROOF FRAMING PLANS		SHEET NUMBER
ROOF FRAMING:	☑ ~~0.018",~~ BUILT UP, OR TPO - DUAL SLOPE 20 PSF	S-2.11
	☐ 0.030" - DUAL SLOPE 20 PSF	S-2.12
	☐ 0.018", BUILT UP, OR TPO - DUAL SLOPE 40 PSF SNOWLOAD	S-2.13
	☐ 0.030" - DUAL SLOPE 40 PSF SNOWLOAD	S-2.14
ROOF FRAMING DETAILS:	☑ DUAL SLOPE	S-2.51
ROOF FRAMING DETAILS:		S-2.60

GENERAL ARCHITECTURAL SHEETS	SHEET NUMBER
COVER SHEET:	A-0
T & I FORMS	A-0A
~~T & I FORMS~~	~~A-0B~~
BUILDING OPTIONS SCHEDULE SHEET:	A-0.0
SYMBOLS, LEGEND, ABBREVIATION, ADA SIGNAGE SHEET:	A-0.1
SCHEDULE SHEET:	A-0.2
KEY PLAN: 24' TO 120' x 40'	A-0.3
ENERGY CALCS	A-0.5(A-C)
ENERGY CALCS	A-0.6(A-F)
DESIGN ENERGY VALUES BY ZONE AND CALGREEN SPECIFICATIONS	A-0.7

FLOOR PLANS		SHEET NUMBER
FLOOR PLANS:	☐ FLOOR PLAN - 24' x 40'	A-1.01
	☐ FLOOR PLAN - 36' x 40'	A-1.02
	☑ FLOOR PLAN - 48' TO 120' x 40'	A-1.03
	☐ OPTIONAL RESTROOM END MODULE - PLANS & ELEVATIONS	A-1.04
	☐ OPTIONAL RESTROOM END MODULE - PLUMBING SHEET	A-1.05
	☐ TOILET BUILDING 24x40 - PLANS & ELEVATIONS	A-1.06
	☐ TOILET BUILDING 24x40 - PLUMBING SHEET	A-1.07

CEILING			SHEET NUMBER
REFLECTED CEILING PLANS:	☐ 24' x 40'	☐ 4 LIGHT CONFIGURATION	A-2.01
	☐ 36' x 40'	☐ 4 LIGHT CONFIGURATION	A-2.02
	☐ 48' TO 120' x 40'	☐ 4 LIGHT CONFIGURATION	A-2.03
	☐ 24' x 40' VAULTED CEILING	☐ 4 LIGHT CONFIGURATION	A-2.11
	☐ 36' x 40' VAULTED CEILING	☐ 4 LIGHT CONFIGURATION	A-2.12
	☑ 48' TO 120' x 40' VAULTED CEILING	☑ 4 LIGHT CONFIGURATION	A-2.13
CEILING DETAILS:	T GRID		A-2.20
	☐ HARD LID		A-2.21

ROOF PLAN			SHEET NUMBER
ROOF PLANS:	☐ 24' x 40'	☐ 0.018" ROOF - METAL DECK - DUAL SLOPE	A-3.01
		☐ 0.030" ROOF - METAL DECK - DUAL SLOPE	A-3.11
		☐ BUILT UP ROOF - DUAL SLOPE	A-3.21
		☐ TPO ROOF - DUAL SLOPE	A-3.41
	☐ 36' x 40'	☐ 0.018" ROOF - METAL DECK - DUAL SLOPE	A-3.02
		☐ 0.030" ROOF - METAL DECK - DUAL SLOPE	A-3.12
		☐ BUILT UP ROOF - DUAL SLOPE	A-3.22
		☐ TPO ROOF - DUAL SLOPE	A-3.42
	☑ 48' TO 120' x 40'	☑ ~~0.018"~~ ROOF - METAL DECK - DUAL SLOPE	A-3.04
		☐ 0.030" ROOF - METAL DECK - DUAL SLOPE	A-3.14
		☐ BUILT UP ROOF - DUAL SLOPE	A-3.24
		☐ TPO ROOF - DUAL SLOPE	A-3.44
ROOF DETAILS:	☑ ~~0.018"~~ STANDING SEAM ROOF DECK		A-3.50
	☐ 0.030" STANDING SEAM ROOF DECK		A-3.60
	☐ 0.030" STANDING SEAM ROOF DECK		A-3.61
	☐ BUILT UP ROOF		A-3.70
	☐ TPO ROOF		A-3.90

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

BUILDING OPTIONS SCHEDULE

LICENSED ARCHITECT — MIKE R. SHIVELY III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS SV
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
AC — FLS — SS SV
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

1
2
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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-0.0

REFLECTED CEILING NOTES

METAL SUSPENSION FOR LAY-IN PANEL CEILING:

A. 12GA. (MIN.) HANGER WIRES MAY BE USED FOR UP TO THE INCLUDING 4'-0" X 4'-0" GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.

B. PROVIDE 12GA. HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN & CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.

C. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT THE CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 PLUMB ARE TO HAVE COUNTER SLOPING WIRES.

D. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 3/4" CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYS. RUNNERS, THE MAIN AND CROSS RUNNERS SHOULD BE FREE & A MIN. OF 3/4" CLEAR OF WALL.

E. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 8" OR LESS, THIS INTERLOCK IS NOT REQ'D.

F. PROVIDE BRACING ASSEMBLY CONSISTING OF A COMPRESSION STRUT (COMPRESSION STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB) AND (4) 12GA. SPLAYED WIRES ORIENTED 90° FROM EA. OTHER AT THE FOLLOWING SPACING.
(A). PLACE BRACING ASSEMBLIES AT A SPACING NOT MORE THAN 12'-0" X 12'-0" ON CENTER.
(B). PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EA. PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45° FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.

G. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3". HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS (SEE ASTM E580, SECTION 5.2.7.2). FASTEN SPLAY WIRES WITH 4 TIGHT TURNS IN 1 1/2". HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.

H. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6" FROM ALL UNBRACED DUCTS, PIPES, CONDUITS, ETC.
HANGER WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. SEE FIGURE 3A, DETAIL F OF DSA IR 25-2.13. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.

I. CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
ATTACH ALL LIGHT FIXTURES CEILING MOUNTED AIR TERMINALS AND ALL OTHER DEVICES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED. MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE PER ASTM E580 SECTION 5.3.1.
RECESSED OR DROP-IN LIGHT FIXTURES, GRILLES, MECHANICAL TERMINALS, AND FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES BE SUPPORTED DIRECTLY ON RUNNERS CLASSIFIED AS ASTM HEAVY DUTY, BUT THEY MUST ALSO HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.

J. ALL FLUSH OR RECESSED LIGHT FIXTURES, MECHANICAL TERMINALS, AND FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES WEIGHING GREATER THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES ATTACHED TO THE HOUSING AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAGE WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
ALL 4 ft. x 4 ft. LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER. SURFACE-MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SUSPENSION WIRE SHALL BE ATTACHED TO EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 ft. OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
SUPPORT PENDANT-MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING TWO (2) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY, PER FIGURE 1, IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCE. IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, I.E. AIRCRAFT CABLES TO WALLS, THEN BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING. SEE IR 16-9 FOR ADDITIONAL REQUIREMENT FOR PENDENT MOUNTED FIXTURES.
ALL LIGHT-WEIGHT MISCELLANEOUS DEVISES, SUCH AS STROBE LIGHTS, SPEAKERS, ETC., SHALL BE ATTACHED TO THE CEILING GRID PER SECTION 7.2.1, 7.2.2 & 7.2.3 OF DSA IR 25-2.13. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS SHALL HAVE A #12 SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHTING MORE THEN 20 LBS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE PER SECTION 7.4.1 OF DSA IR 25-2.13.
PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, PER ASTM E580 SECTION 5.2.8.5, A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE 1 INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER.

K. CLASSIFICATION OF CEILING GRID:
CLASSIFICATION OF CEILING GRID SHALL BE "HEAVY DUTY"
MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328
2" WALL ANGLE: 7810
ARMSTRONG PER ASTM C635, C636 AND ICC-ES ESR-1308.
PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2". ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE AND CBC CLASS C FLAME-SPREAD 76-200; SMOKE-DEVELOPED 0-450.

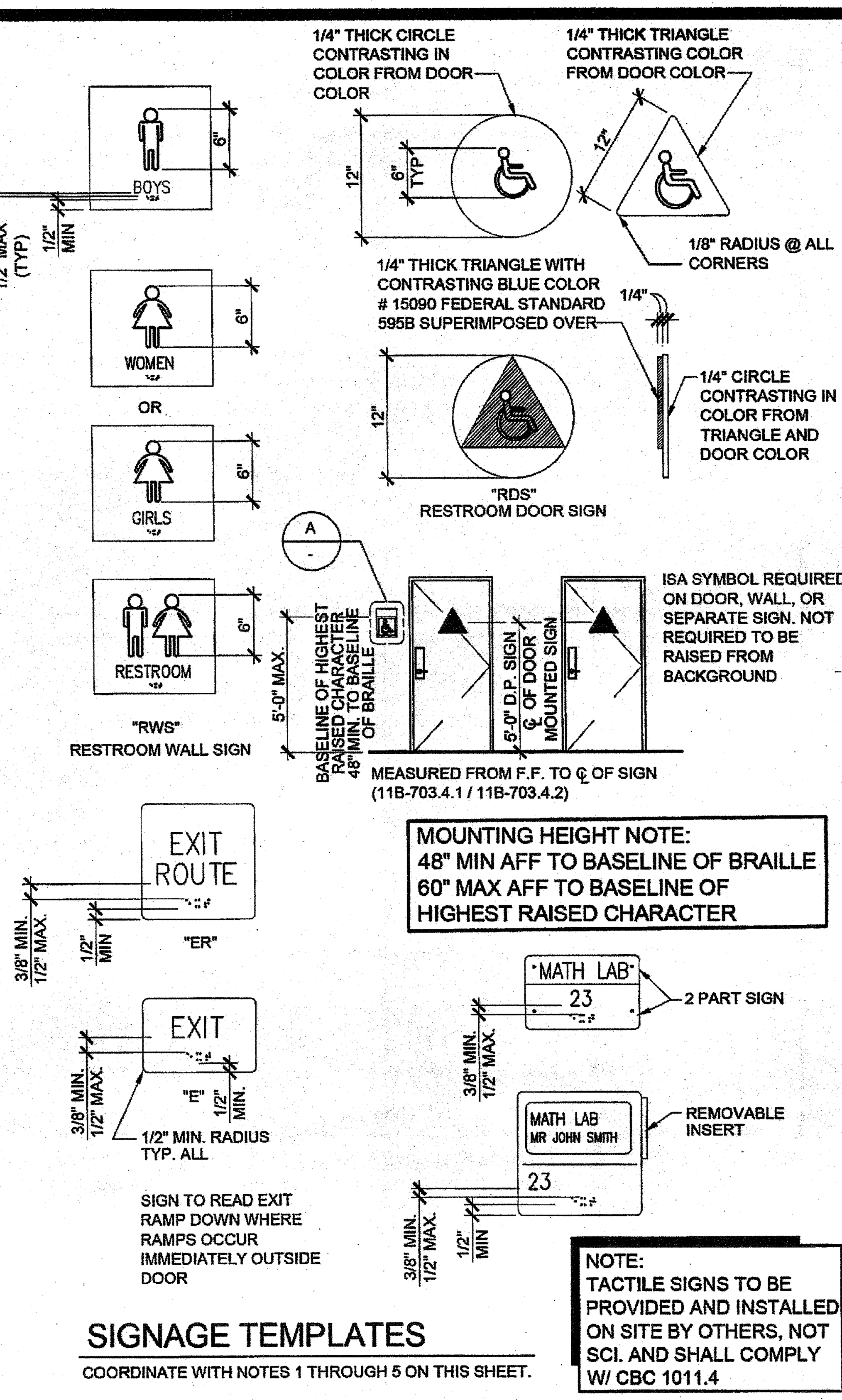
L. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED IN ACCORDANCE WITH DSA IR 25-2.13 SECTION 4, FIGURE 7, DETAIL A TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQUARE FEET. ALTERNATIVELY, COMPLY WITH ASTM E580-08 SECTION 5.2.9. - SEE 20/A-2.20

2. NOTE FOR FIRE BLK CONSTRUCTION: SECTION 718

PER CBC SECTION 718.2.1. FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES. (SECTION 718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX
FIRE BLOCKING IS NOT REQUIRED WITHIN CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS

3. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES

4. HANGER WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTER SLOPING WIRES



SIGNAGE TEMPLATES

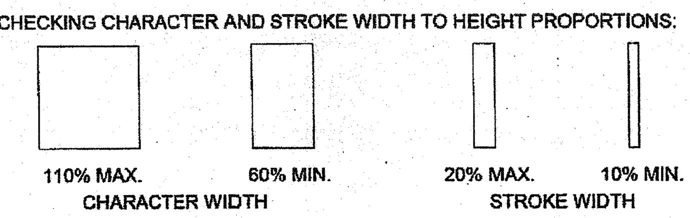
COORDINATE WITH NOTES 1 THROUGH 5 ON THIS SHEET.

TACTILE EXIT SIGNS

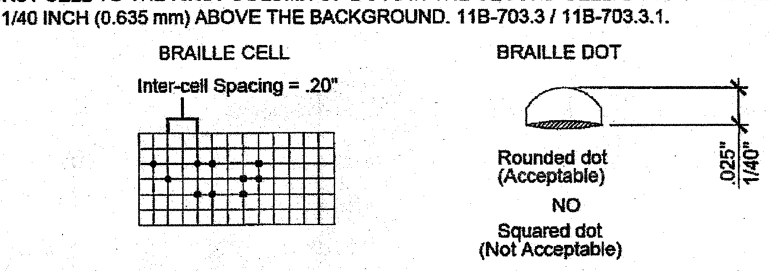
1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE (SEE NOTE 5 BELOW).
2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH (15.9 mm) AND A MAXIMUM OF 2 INCHES (51 mm) HEIGHT BASED ON THE HEIGHT OF THE UPPERCASE "I".
3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 11B-703.5.1 / 11B-703.6.2 / 11B-703.7.1
4. PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO HEIGHT RATIO OF BETWEEN 60% MIN. AND 110% MAX. AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 10% MIN. AND 20% MAX. OF THE CHARACTER HEIGHT. 11B-703.2.4, 11B-703.2.6, 11B-703.5.7.

ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPE STYLE TO TEST, BEGIN BY PRINTING THE LETTERS "O", AND "I" AT 1 INCH HIGH. PLACE THE TEMPLATE'S 110% SQUARE OVER "O",IF THE CHARACTER IS NOT WIDER THAN 110% SQUARE, NOR NARROWER THAN THE 60% RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 20% RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD, AND THE 10% RECTANGLE TO SEE IF ITS IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPE STYLE IS COMPLIANT WITH PROPORTION CODE.

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:

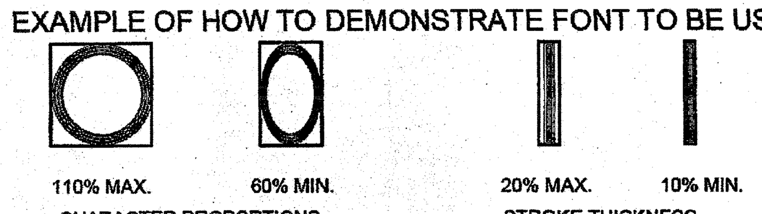


5. BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54 mm) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08 mm) SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 mm) ABOVE THE BACKGROUND. 11B-703.3 / 11B-703.3.1.

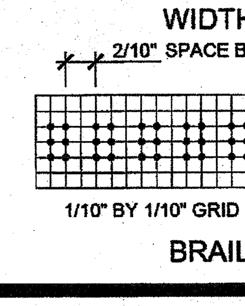


REQUIRED ROUNDED OR DOMED CALIFORNIA BRAILLED DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

EXAMPLE OF HOW TO DEMONSTRATE FONT TO BE USED

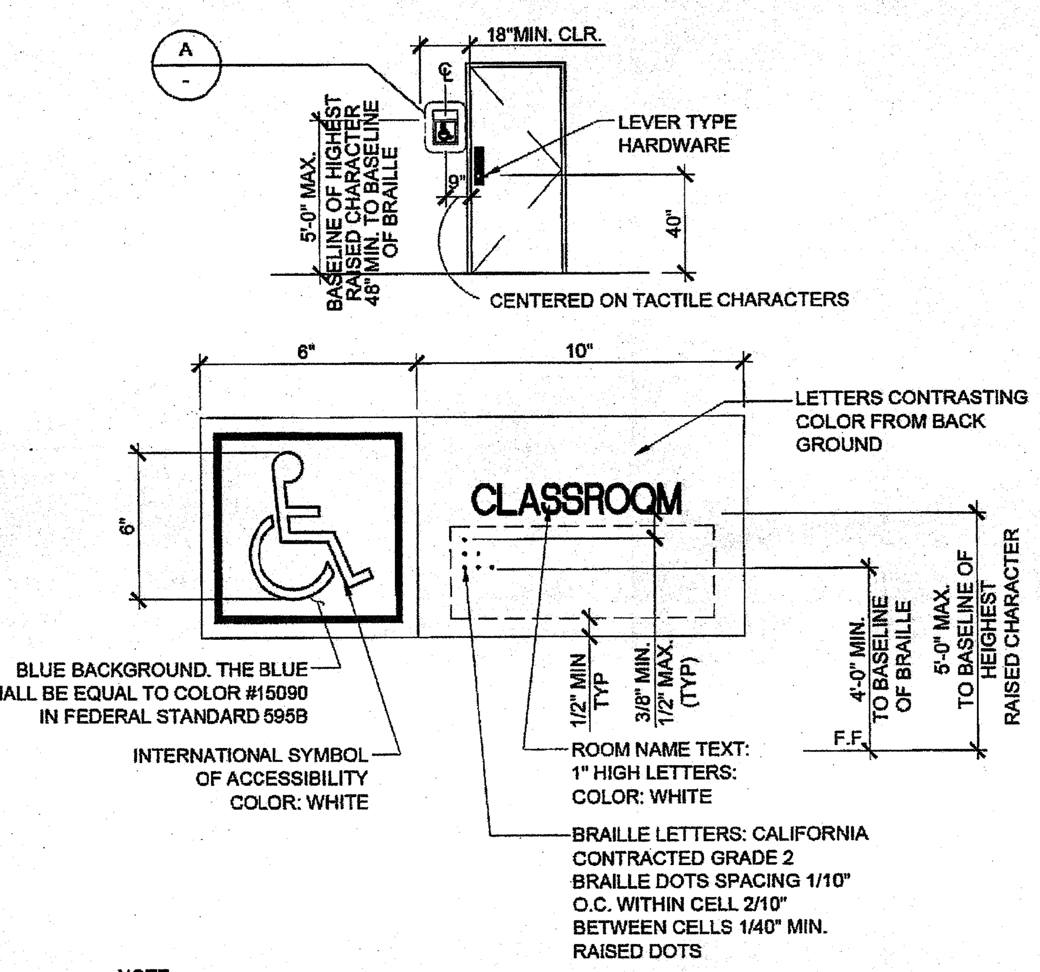


WIDTH-TO-HEIGHT PROPORTIONS TEMPLATE



CALIFORNIA CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED. INDIVIDUAL BRAILLE DOTS SHALL BE DISTINCT AND SEPARATE. EACH DOT SHALL BE ROUNDED OR DOMED IN LIEU OF SQUARE SIDED AND FLAT TOPPED.

BRAILLE SPACING TEMPLATE PER TITLE 24



NOTE:
SIGN MATERIAL TO BE 1/8" THK. E.S. PLASTIC, W/ 1.32" RAISED BORDER, GRAPHICS AND LETTERS. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. CBC SECTION 11B-703.

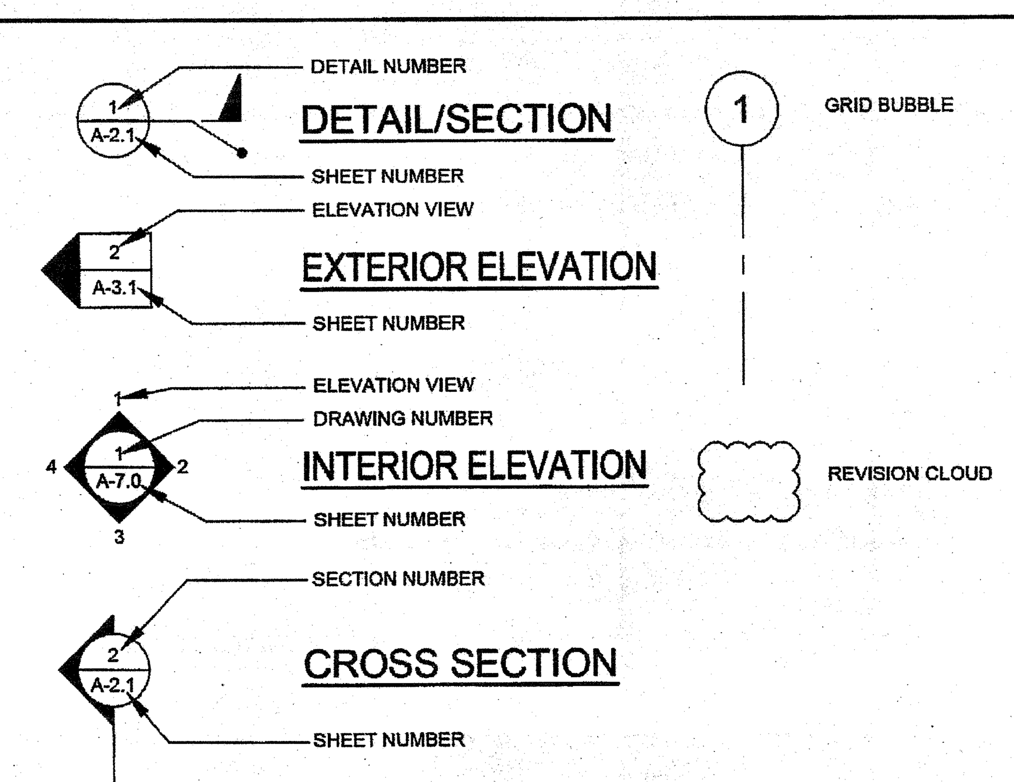
(A) ROOM IDENTIFCATION ROOM SIGNAGE (BY DISTRICT)

FOR SITE SPECIFIC LOCATIONS ARCHITECT TO PROVIDE BUILDING / ROOM IDENTIFICATION SIGNS. DETAILS AND LOCATIONS OF SIGNAGE TO BE INDICATED.

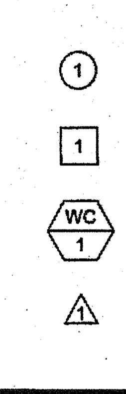
COORDINATE WITH NOTES 1 THROUGH 5 ON THIS SHEET.

THIS DETAIL FOR REFERENCE ONLY

SYMBOLS LEGEND



NOTE:
11B-703.2.4 / 11B-703.2.6 PROPORTIONS. VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER



DOOR TYPE
WINDOW TYPE
PLUMBING FIXTURE
REVISION TO ORIGINAL DRAWING

ABBREVIATIONS

AB	ANCHOR BOLT	FA	FIRE ALARM	ℙ OR PL	PLATE
ABS	ABSOLUTE	FCO	FLOOR CLEAN OUT	PC	PRE-CHECKED
ABV	ABOVE	FF	FINISH FLOOR	PLAS	PLASTER
ACC	ACCESS	FG	FINISH GRADE	PLYWD	PLYWOOD
ADDL	ADDITIONAL	FIN	FINISH	PNL	PANEL
ADJ	ADJACENT	FLR	FLOOR	PNT	PAINT
AFF	ABOVE FINISH FLOOR	FN	FIELD NAILING	POC	POINT OF CONNECTION
AFG	ABOVE FINISH GRADE	FND	FOUNDATION	POT	PATH OF TRAVEL
AGC	ABOVE GRADE CONCRETE	FOC	FACE OF CONCRETE	PSF	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	FOS	FACE OF STUD	PSI	POUNDS PER SQUARE INCH
AOR	ARCHITECT OF RECORD	FTG	FOOTING	PT	PRESSURE TREATED
APPROX	APPROXIMATE	FOF	FACE OF FINISH	RAG	RETURN AIR GRILLE
ARCH	ARCHITECTURAL / ARCHITECT	GA	GAUGE	RD	ROOF DRAIN
BD	BOARD	GALV	GALVANIZE	REF	REFERENCE
BGC	BELOW GRADE CONCRETE	GC	GENERAL CONTRACTOR	REG	REGISTER
BLDG	BUILDING	GR	GRADE	REINF	REINFORCE
BLK	BLOCK	GYP	GYPSUM	REQ'D	REQUIRED
BLKG	BLOCKING	GYP BD	GYPSUM BOARD	REV	REVISION
BM	BEAM	HB	HOSE BIBB	RF	ROOF
BOT	BOTTOM	HD	HEAVY DUTY	RM	ROOM
BTWN	BETWEEN	HDR	HEADER	RO	ROUGH OPENING
BU	BUILT UP	HDW	HARDWARE	ROH	ROOF OVERHANG
CAB	CABINET	HF	HEM FIR	SCHED	SCHEDULE
CBC	CALIFORNIA BUILDING CODE	HORIZ	HORIZONTAL	SEC	SECTION
CI	CAST IRON	HT	HEIGHT	SHT	SHEET
CJ	CONTROL JOINT	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	SHTG	SHEATHING
CJP	COMPLETE JOINT PENETRATION	INCL	INCLUDED	SIM	SIMILAR
℄	CENTER LINE	INFO	INFORMATION	SPEC	SPECIFICATION
CLG	CEILING	INT	INTERIOR	SQ	SQUARE
CO	CLEAN OUT	J-BOX	JUNCTION BOX	SST	STAINLESS STEEL
COL	COLUMN	JST	JOIST	STD	STANDARD
CONC	CONCRETE	JT	JOINT	STIFF	STIFFENER
CONN	CONNECTION	KO	KNOCK OUT	STL	STEEL
CONST	CONSTRUCTION	LAB	LABORATORY	STS	SELF-TAPPING SCREW
CONT	CONTINUOUS	LAM	LAMINATED	STSMS	SELF-TAPPING SHEET METAL SCREW
CPT	CARPET	LAV	LAVATORY	T&B	TOP AND BOTTOM
CSK	COUNTERSINK	LB	POUNDS	T&G	TONGUE AND GROOVE
CTR	CENTER	LT	LIGHT	TEL	TELEPHONE
DBL	DOUBLE	LT WT	LIGHT WEIGHT	THK	THICK
DET	DETAIL	LVR	LOUVER	TOC	TOP OF COLUMN
DF	DOUGLAS FIR	MAX	MAXIMUM	TOS	TOP OF STEEL
DIA OR Ø	DIAMETER	MB	MACHINE BOLT	TS	TUBE STEEL
DIAG	DIAGONAL	MED	MEDIUM	TV	TELEVISION
DIM	DIMENSION	MFR	MANUFACTURER	TYP	TYPICAL
DSA	DIVISION OF THE STATE ARCHITECT	MIN	MINIMUM	UBC	UNIFORM BUILDING CODE
DWG	DRAWING	MISC	MISCELLANEOUS	UON	UNLESS OTHERWISE NOTED
(E)	EXISTING	MOD	MODULE	UR	URINAL
EA	EACH	MTL	METAL	VERT	VERTICAL
EJ	EXPANSION JOINT	(N)	NEW	VCT	VINYL COMPOSITION TILE
ELEV	ELEVATION	N	NORTH	W/	WITH
EN	END NAIL	NIC	NOT IN CONTRACT (NOT IN SILVER CREEK'S SCOPE OF WORK	WC	WATER CLOSET
EQ	EQUAL	NL	NAIL	WCO	WALL CLEAN OUT
EQUIP	EQUIPMENT	NO	NUMBER	WD	WOOD
EW	EACH WAY	NTS	NOT TO SCALE	WH	WATER HEATER
EXT	EXTERIOR	OC	ON CENTER	WIC	WOODWORK INSTITUTE OF CALIFORNIA
		OD	OUTSIDE DIAMETER	WND	WINDOW
		OH	OPPOSITE HAND	W/O	WITHOUT
		OPNG	OPENING	WP	WATER PROOF
		OPP	OPPOSITE		

SPECIFICATIONS

DIVISION 5 - METALS
05720 RAILINGS AND HANDRAILS:
ALL WELDED JOINTS AND SURFACES SHALL BE GROUND SMOOTH, NO SHARP OR ABRASIVE CORNERS EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAIL SHALL BE SMOOTH.

DIVISION 8 - DOORS
08710 DOOR HARDWARE:
- IF THE DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, 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. 11B-404.2.7 / 11B-309.4. ALL HARDWARE SHALL MEET THE REQUIREMENTS OF CBC SECTIONS CHAPTER 10, SECTION 1008.1.9 / 11B-404.2.7 AND 11B-309.4
- THRESHOLDS SHALL COMPLY WITH CBC SECTIONS 1008.1.7 AND 11B-404.2.5.
- FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALLS POLICY 99-08

08712 EXIT DEVICES: (WHERE APPLICABLE)
MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LB (22.2 N) FOR EXTERIOR AND INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, 5LBS MAX OR THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBF (66.72 N) PER CBC SECTIONS 1008.1.3 AND 11B-404.2.9.
HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. MOUNTING HEIGHT OF LATCHING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES MIN AND 48 INCHES MAX ABOVE THE FLOOR PER CBC SECTION 1008.1.9.2. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE. LOCKED EXIT DOOR SHALL OPERATE AS ABOVE IN EGRESS DIRECTION PER CBC SECTION 1008.1.2

PANIC HARDWARE SHALL NOT BE PROVIDED WITH "NIGHT LATCH" FUNCTION FOR ANY ACCESSIBLE DOORS OR GATES UNLESS THE FOLLOWING CONDITIONS ARE MET PER DSA INTERPRETATION 10-08 DSA/AC. SUCH CONDITIONS MUST BE CLEARLYDEMONSTRATED AND INDICATED IN THE SPECIFICATIONS:
- SUCH HARDWARE HAS A 'DOGGING' FEATURE.
- IT IS DOGGED DURING THE TIME THE FACILITY IS OPEN.
- SUCH 'DOGGING' OPERATION IS PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION (NON-PUBLIC USE).

DIVISION 9 - FINISHES
09650 RESILIENT FLOORING:
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.
09680 CARPETING:
CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT, OR LEVEL-CUT/UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER CBC SECTION 11B-302.2.
CARPET EDGES SHALL COMPLY WITH CBC 11B-303.

DIVISION 10 - SPECIALTIES
10155 TOILET COMPARTMENTS: CBC SECTION 11B-604.8.1.2
TOILET STALLS FOR DISABLED PERSONS SHALL HAVE SLIDE BOLT DOOR LATCH, U-SHAPE OR WIRE PULLS BOTH SIDES OF THE DOOR AND SELF-CLOSING HINGES. DOORS HARDWARE SHALL BE MOUNTED AT 34" MIN TO 44" MAX ABOVE FINISHED FLOOR. DOORS AT FRONT ENTRY STALLS SHALL HAVE 32" MINIMUM CLEAR WIDTH WHEN THE DOOR IS OPEN 90°. DOORS AT SIDE ENTRY STALLS SHALL HAVE 34" MINIMUM CLEAR WIDTH WHEN THE DOOR IS OPEN 90°.
10800 TOILET ACCESSORIES:
TOILET ACCESSORIES REQUIRED TO BE ACCESSIBLE SHALL BE MOUNTED AT HEIGHTS ACCORDING TO CBC SECTION 11B-213.3. THE GRAB BAR CAN NOT PROJECT MORE THAN 3" INTO THE 48" MINIMUM CLEAR SPACE IN FRONT OF THE WATER CLOSET 11B-604.5 / 11B-604.8.1.5 / 11B-604.8.2.3. TOILET PAPER AND FEMININE NAPKIN DISPENSERS LOCATED ON THE GRAB BAR SIDE OF AN ACCESSIBLE TOILET ROOM OR STALL SHALL PROJECT MORE THAN THE GRAB BAR. THE ACCESSORY SHALL NOT BE LOCATED CLOSER THAN 1 1/2" CLEAR OF THE TANGENT POINT OF THE GRAB BAR. ACCESSORIES SURFACE MOUNTED ABOVE GRAB BAR WILL RESTRICT USABILITY.

DIVISION 15 - MECHANICAL
15400 PLUMBING FIXTURES:
ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF CBC SECTION 11B-213.2 / 11B-603.2. HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC TABLE 11B-604.9. FIXTURE CONTROLS SHALL COMPLY WITH CBC SECTION 11B-213.2 / 11B-603.2

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"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:
SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE

LICENSED ARCHITECT JACK F. SHAVELY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
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APP03 119040
AC / FLS / SS
Date MAY 22 2018

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04 117380
ACS FLS SS DW
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PC 04-114102
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REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER
A-0.1

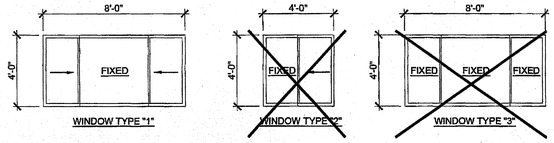
WINDOW SCHEDULE

WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A		1	8'-0"	4'-0"	XOX	ANOD	DP		
~~B~~		~~2~~	~~4'-0"~~	~~4'-0"~~	~~XO~~	~~ANOD~~	~~DP~~		
~~C~~		~~3~~	~~8'-0"~~	~~4'-0"~~	~~FIXED~~	~~FRW~~	~~FRG~~		~~45 MIN. ASSEMBLY~~

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME
BRONZ: BRONZE ANODIZED ALUMINUM FRAME
PAINT: PAINTED FRAME
WF: 16GA WELDED FRAME
FRW: FIRE RATED WINDOW
FRAME: MIN 0.048" THICK WELDED FRAME
FRG: FIRE RATED GLAZING: 1/4" WIRED GLASS. LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION/TABLE 715.5
DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD, ALL OPERABLE SASH SHALL HAVE SCREENS. (U-FACTOR = .510 MAX, VT = 0.500 MIN., SHGC = .350 MAX, STC = 36 MIN.)

WINDOW TYPE



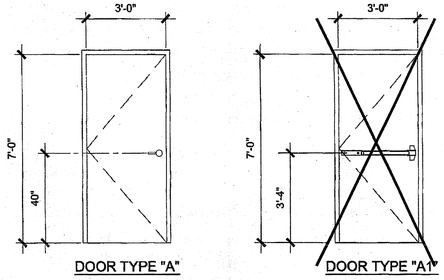
DOOR SCHEDULE

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"~~	
~~1A~~	~~3'-0"~~	~~7'-0"~~	~~A1~~		~~HM~~	~~KD~~	~~HW - 2~~	~~5 1/4"~~	
2	3'-0"	7'-0"	A		SCL	KD	~~HW - 3~~	~~5 1/2"~~	
~~3~~	~~6'-0"~~	~~7'-0"~~	~~B~~		~~HM~~	~~KD~~	~~HW - 4~~	~~4 7/8"~~	
~~4~~	~~3'-0"~~	~~7'-0"~~	~~B~~		~~HM~~	~~KD~~	~~HW - 5~~	~~1 7/8"~~	~~NO CLOSER REQ'D.~~
~~5~~	~~3'-0"~~	~~7'-0"~~	~~C~~		~~HM~~	~~KD~~	~~HW - 6~~	~~4 1/8"~~	

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM: 18GA HOLLOW METAL
WF: 16GA WELDED FRAME
AL: ALUMINUM
SST: STAINLESS STEEL
KD: KNOCK DOWN FRAME
SCL: SOLID CORE WOOD LEGACY
HC: HOLLOW CORE WOOD
PT: PAINTED
*EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX

DOOR TYPES & NOTES



1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF. HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL TOOLS, KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
3. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
4. 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
5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPEC'S ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 AND 1008.
6. 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
7. PANIC AND FIRE EXIT HARDWARE. WHERE THIS TYPE 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 UNLATCHING FORCE SHALL NOT EXCEED 5LBS PER THE 2013 CBC
   APPROVED BY AUTHORITY W/ JURISDICTION, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1008.1.10
8. 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		
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	NOTES
~~CLASSROOM 101~~	~~CARP~~	~~4" TS~~	~~TACK~~	~~TACK~~	~~TACK~~	~~TACK~~	~~CP~~	~~8'-6"~~	
~~CLASSROOM 102~~	~~CARP~~	~~4" TS~~	~~TACK~~	~~TACK~~	~~TACK~~	~~TACK~~	~~CP~~	~~8'-6"~~	
~~TOILET 103~~	~~SV~~	~~6" TS~~	~~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 ½" GYPSUM BOARD BACKING
FRP: 1/8" FIBER REINFORCED PANEL OVER ½" 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

1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
2. 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.
3. 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.
4. CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2013 CBC. CARPET EDGE SHALL COMPLY WITH THE 2013 CBC
5. INTERIOR WALL AND CEILING FINISHES SHALL HAVE A MIN. CLASS 'C' RATING. FLAME SPREAD INDEX 76-200 & SMOKE DEVELOPED INDEX 0-450 PER 2013 CBC 803.

DOOR HARDWARE

~~**CLASSROOM - EXTERIOR DOOR HW-1**~~

LOCKSET	SCHLAGE ND75PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER	NORTON 8501 BFDA	Finish 689 or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal

DOOR W/ PANIC HARDWARE - EXTERIOR DOOR HW-1

EXIT DEVICE	VON DUPRIN AX99L-2-PA w/ SCHLAGE rim cylinder	Finish Alum or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER	NORTON 8501 BFDA	Finish 689 or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal

SINGLE-OCCUPANCY - INTERIOR DOOR HW-2

LOCKSET	SCHLAGE ND40SRH0626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER 1279 4 ½" x 4 ½"	Finish 26D or equal

~~**BOYS & GIRLS RESTROOM - EXTERIOR DOOR HW-**~~

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D or equal
CLOSER	NORTON 8501 BFDA (OPTIONAL)	Finish 689 or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal
LOUVER	ANEMO 24 x 12	Finish Bronze or equal

~~**STAFF RESTROOM - EXTERIOR DOOR HW-**~~

LOCKSET	SCHLAGE ND85PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal
LOUVER	ANEMO 24 x 12	Finish Bronze or equal

~~**PLUMBING CHASE DOOR - INTERIOR DOOR HW-6**~~

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D or equal

EMERGANCY EXIT AND PANIC HARDWARE:
INDICATE ON PLANS AND/OR SPECIFICATIONS COMPLIANCE WITH SFM STANDARD 12-10-3, SECTION 12-10-302.
(A) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.
(D) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, AND EXTERIOR WALLS. (CLASS A = 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 720.2 & 720.3. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTIES, OR EQUAL.

INSULATION VALUES
SEE SHEETS A-0.6, A-0.7, A-0.8 FOR REQUIRED INSULATION VALUES PER CLIMATE ZONE

EXTERIOR WALL INSULATION (MIN.)
- [x] R-13 (2x4)
- [x] R-19 (2x6)
- [ ] R-30 (2x8)

INTERIOR WALL INSULATION (MIN.)
R-13

FLOOR INSULATION (MIN.)
- [ ] NONE
- [ ] R-13
- [x] R-19

ROOF INSULATION (MIN.)
- [ ] R-19
- [x] R-30
- [ ] R-38
- [ ] R-19 BETWEEN JOISTS AND R-19 BELOW JOISTS

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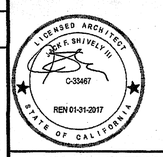
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:
SCHEDULES



ARCHITECT OF RECORD
SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

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DIV. OF THE STATE ARCHITECT
04 117380
ACS DSA FLS SS
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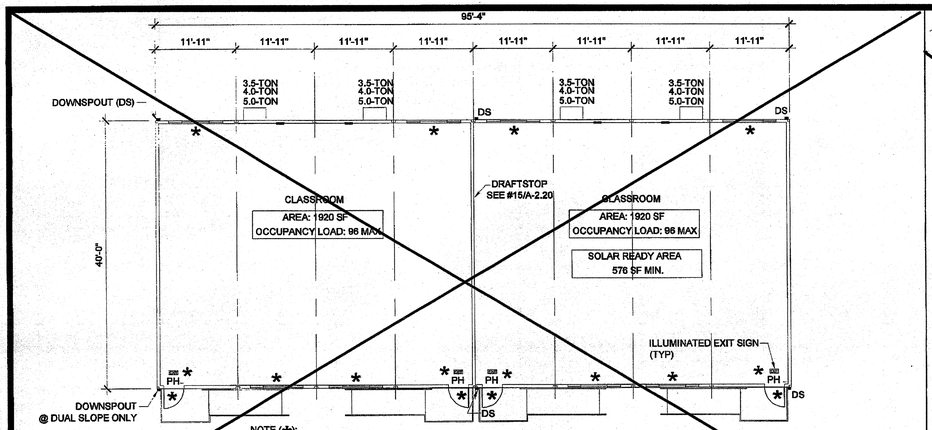
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

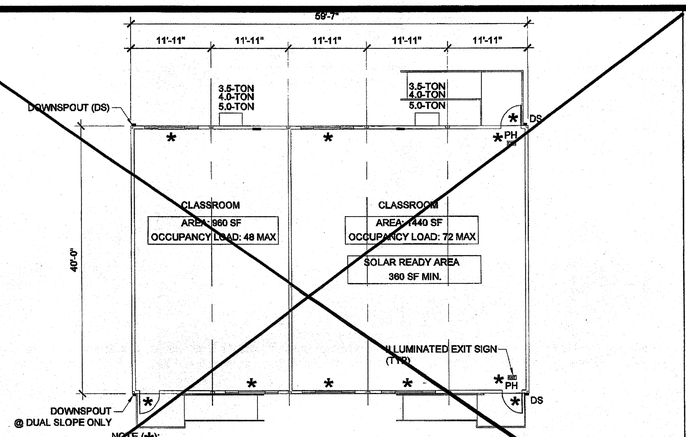
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15

P.C. SHEET NUMBER
A-0.2



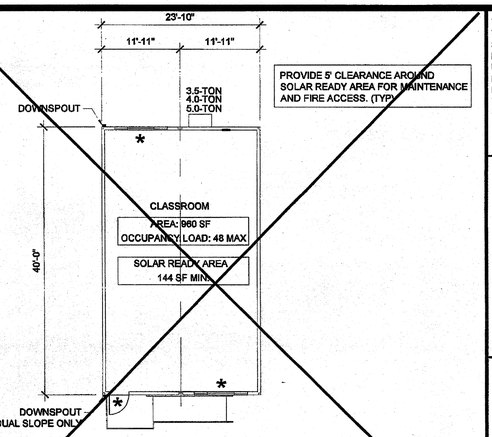
NOTE (✱):
1. DOOR / WINDOW PLACEMENTS MAY VARY.
IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA
2. OPT. INTERIOR PARTITIONS MAY BE ADDED FOR BLDGS. WITH FLOOR LIVE LOADS OF 50+15, 100, OR 150 PSF AND SHALL BE SUBMITTED TO DSA FOR REVIEW. REFER TO STRUCTURAL DWGS. FOR WALL ATTACHMENT.
3. PROVIDE PANIC HARDWARE FOR ROOMS WITH TWO DOORS OR MORE
4. PROVIDE EXIT SIGN, PER CBC 1011, SEE DETAIL ON SHEET A-0.1, (TYP)
5. FOR LANDING, RAMP, & HANDRAIL REGULATIONS SEE DWG. "R" FOR INFORMATION.
6. PROVIDE OCCUPANT LOAD SIGN

96' x 40' KEY PLAN (TOTAL AREA - 3840 SF) SCALE: 3/32" = 1' - 0" | 7



NOTE (✱):
1. DOOR / WINDOW PLACEMENTS MAY VARY.
IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA
2. OPT. INTERIOR PARTITIONS MAY BE ADDED FOR BLDGS. WITH FLOOR LIVE LOADS OF 50+15, 100, OR 150 PSF AND SHALL BE SUBMITTED TO DSA FOR REVIEW. REFER TO STRUCTURAL DWGS. FOR WALL ATTACHMENT.
3. PROVIDE PANIC HARDWARE FOR ROOMS WITH TWO DOORS OR MORE
4. PROVIDE EXIT SIGN, PER CBC 1011, SEE DETAIL ON SHEET A-0.1, (TYP)
5. FOR LANDING, RAMP, & HANDRAIL REGULATIONS SEE DWG. "R" FOR INFORMATION.
6. PROVIDE OCCUPANT LOAD SIGN

60' x 40' KEY PLAN (TOTAL AREA - 2400 SF) SCALE: 3/32" = 1' - 0" | 4



NOTE (✱):
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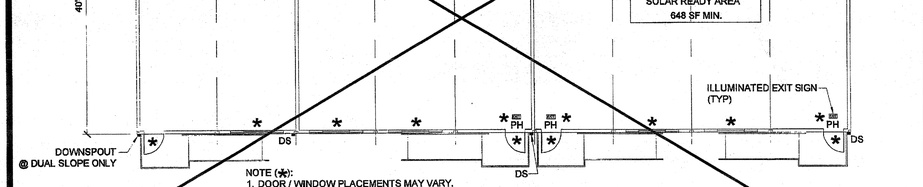
3. FOR LANDING, RAMP, & HANDRAIL REGULATIONS SEE DWG. "R" FOR INFORMATION.

24' x 40' KEY PLAN (TOTAL AREA - 960 SF) SCALE: 3/32" = 1' - 0" | 1



NOTE (✱):
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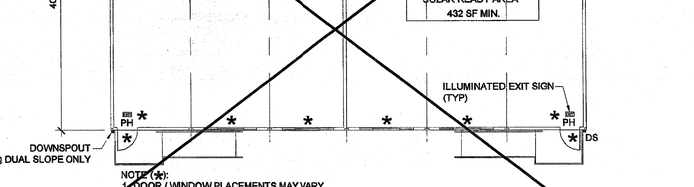
6. PROVIDE OCCUPANT LOAD SIGN

108' x 40' KEY PLAN (TOTAL AREA - 4320 SF) SCALE: 3/32" = 1' - 0" | 8



NOTE (✱):
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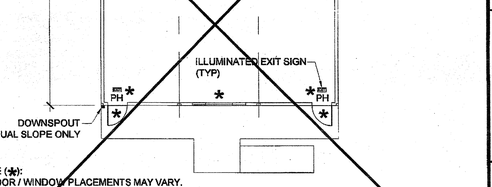
4. PROVIDE EXIT SIGN, PER CBC 1011, SEE DETAIL ON SHEET A-0.1, (TYP)
5. FOR LANDING, RAMP, & HANDRAIL REGULATIONS SEE DWG. "R" FOR INFORMATION.
6. PROVIDE OCCUPANT LOAD SIGN

72' x 40' KEY PLAN (TOTAL AREA - 2880 SF) SCALE: 3/32" = 1' - 0" | 5



NOTE (✱):
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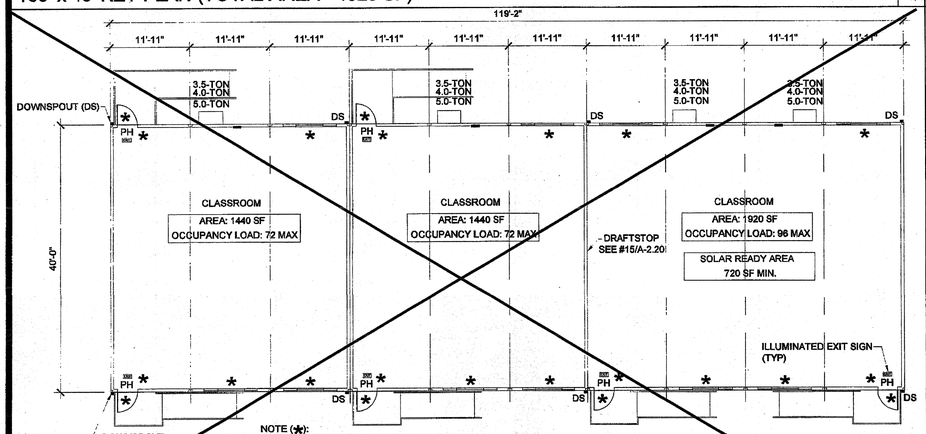
5. FOR LANDING, RAMP, & HANDRAIL REGULATIONS SEE DWG. "R" FOR INFORMATION.
6. PROVIDE OCCUPANT LOAD SIGN

36' x 40' KEY PLAN (TOTAL AREA - 1440 SF) SCALE: 3/32" = 1' - 0" | 2



NOTE (✱):
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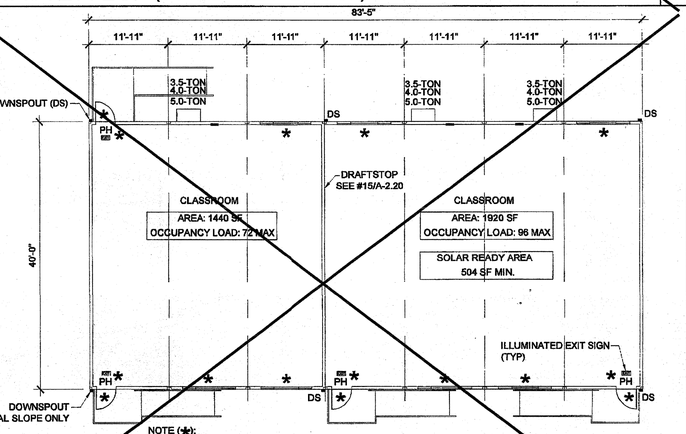
4. PROVIDE EXIT SIGN, PER CBC 1011, SEE DETAIL ON SHEET A-0.1, (TYP)
5. FOR LANDING, RAMP, & HANDRAIL REGULATIONS SEE DWG. "R" FOR INFORMATION.
6. PROVIDE OCCUPANT LOAD SIGN

120' x 40' KEY PLAN (TOTAL AREA - 4800 SF) SCALE: 3/32" = 1' - 0" | 9



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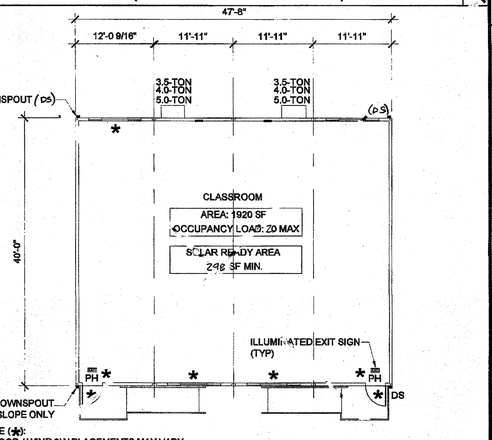
5. FOR LANDING, RAMP, & HANDRAIL REGULATIONS SEE DWG. "R" FOR INFORMATION.
6. PROVIDE OCCUPANT LOAD SIGN

84' x 40' KEY PLAN (TOTAL AREA - 3360 SF) SCALE: 3/32" = 1' - 0" | 6



NOTE (✱):
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IF THE NUMBER OF WINDOWS INCREASE, A NEW ENERGY MODEL SHALL BE SUBMITTED TO DSA
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4. PROVIDE EXIT SIGN, PER CBC 1011, SEE DETAIL ON SHEET A-0.1, (TYP)
5. FOR LANDING, RAMP, & HANDRAIL REGULATIONS SEE DWG. "R" FOR INFORMATION.
6. PROVIDE OCCUPANT LOAD SIGN

48' x 40' KEY PLAN (TOTAL AREA - 1920 SF) SCALE: 3/32" = 1' - 0" | 3

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

TYPICAL KEY PLANS
24' - 120' x 40'

LICENSED ARCHITECT
TODD R. HAVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS 8
Date MAY 22 2015

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS DW
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAF
DATE AUG - 4 2015

REVISIONS

1	
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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-0.3

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 1 of 6

Compliance Scope: New Complete Building Including Envelope, Lighting and HVAC Input File Name:

A. GENERAL INFORMATION					
01	Project Address	ZONE 14	21	Compliance Software	CBECC-Com 2013-3a (687)
02	City	ZONE 14	22	Compliance Manager Version	BEMCmpMgr 2013-3a (687)
03	Zip code		23	Rule Set Filename	CA 2013 Nonresidential, Vers. 2.0 (CEC 2013 NonRes.bin)
04	Climate Zone	ClimateZone14	24	Building Type	Nonresidential
05	Building Front Orientation	330	25	Construction Type	
06	Number of Above Grade Stories	1	26	North Wall Area (ft2)	264
07	Number of Below Grade Stories	0	27	East Wall Area (FT2)	440
08	Number of Dwelling Units	0	28	South Wall Area (ft2)	264
09	Total Conditioned Floor Area (ft2)	960	29	West Wall Area (ft2)	440
10	Total Unconditioned Floor Area (ft2)		30	Total Exterior Wall Area (ft2)	1,408
11	Addition Conditioned Floor Area (ft2)		31	North Glazing Area (ft2) / Glazing Ratio	32 / 12%
12	Addition Unconditioned Floor Area(ft2)		32	East Glazing Area (ft2) / Glazing Ratio	0 / 0%
13	Number of Thermal Zones	1	33	South Glazing Area (ft2) / Glazing Ratio	32 / 12%
14	Number of Thermal Zones (conditioned)	1	34	West Glazing Area (ft2) / Glazing Ratio	0 / 0%
15	Number of Air Systems	1	35	Total Glazing Area (ft2) /Glazing Ratio	64 / 5%
16	Number of Zonal Systems	0	36	Roof Area (ft2)	960
17	Number of Terminal Units	0	37	Skylight Area (ft2) / Skylight-Roof-Ratio	0 / 0%
18			38		
19			39		
20			40		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 2 of 6

Compliance Scope: New Complete Building Including Envelope, Lighting and HVAC Input File Name:

B. COMPLIANCE RESULTS				
01	BUILDING COMPLIES			
02	Special Features are Required -TBD			
03	HERS Verification is Required - TBD			
	ANNUAL TDV ENERGY USE SUMMARY (kBtu/ft2/yr)			
	04	05	06	07
Energy Component	Standard Design	Proposed Design	Compliance Margin	Percent Better than Standard*
Space Heating	99.2	97.3	1.9	1.9%
Space Cooling	207.9	262.9	-55.0	-26.5%
Indoor Fans	143.8	84.5	59.3	41.2%
Heat Rejection	–	–	–	–
Pumps & Misc.	–	–	–	–
Domestic Hot Water	–	–	–	–
Lighting	52.1	24.5	27.6	53.0%
COMPLIANCE TOTAL	503.0	469.2	33.8	6.7%
Receptacle	66.6	66.6	–	0.0%
Process	–	–	–	–
Process Lighting	–	–	–	–
TOTAL	569.6	535.8		5.9%

C. OCCUPANCY SUMMARY INFORMATION -							
01	02	03	04	05	06	07	08
				Allowed (Baseline) Lighting Power			
					Additional (Custom) Allowances		
Occupancy Type	Floor Area	Installed Lighting Power	Lighting Control Credits	General Lighting Power Allowance	Area Category	Tailored Method	Total Allowed Lighting Power
	(ft2)	(Watts)	(Watts)	(Watts)	(Watts)	(Watts)	(Watts)
Classrooms, Lecture, Training, Vocational Areas	960	744	189	1,152			1,152

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 3 of 6

Compliance Scope: New Complete Building Including Envelope, Lighting and HVAC Input File Name:

D. ENVELOPE SUMMARY INFORMATION							
01	02	03	04	05	06	07	08
			Assembly Layers				
Surface Name	Surface Type	U-Factor / F-Factor / C-Factor		Framing Type	Framing Spacing	R-value	Certified Cool Roof
SCI ROOF	Roof	U-0.05	Metal Standing Seam - 1/16 in. Fiber cement board - 53 lb/ft3 - 1/3 in Plywood - 3/4 in. Composite Framing Air - Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in.	Metal	Roof24inOC	R-0 R-0.24 R-0.94 R-30 Cavity R-0.92 R-1.26	
SCI PLYWD FLOOR	ExteriorFloor	U-0.07	Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite Framing Plywood - 1 in. Carpet - 3/4 in.	Metal	Floor24inOC	R-0.92 R-19 Cavity R-1.25 R-2.38	
2x4 T111 WALL	ExteriorWall	U-0.08	Wood siding - 1/2 in. Vapor seal - plastic film - 1/16 in. Composite Framing Gypsum Board - 1/2 in. Acoustic Tile - 1/2 in.	Wood	Wall16inOC	R-0.8 R-0.01 R-13 Cavity R-0.45 R-1.26	

E. FENESTRATION SUMMARY INFORMATION							
01	02	03	04	05	06	07	08
Name	Fenestration Type	Certification Method	Assembly Method	Frame Type	U-value	SHGC	VT
SCI - IWC 6200 - SLIDER - SB60 / CLR	Sliding	NFRCRated	Manufactured	- specify -	0.51	0.35	0.63

F MECHANICAL SYSTEM SUMMARY INFORMATION														
01	02	03	04				05							
			Cooling				Heating							
Equipment Name	Equipment Type	Qty	Type	SEER	EER	Rated Output kBtuh	Type	AFUE	HSPF	Thermal Eff.	Rated Output kBtuh	Supplemental Heat Source	Supplemental Rated Output kBtuh
AirSystem 1	SZHP	1	DirectExpansion	13.0	9.0	53	HeatPump				50.2		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 4 of 6

Compliance Scope: New Complete Building Including Envelope, Lighting and HVAC Input File Name:

G. MECHANICAL SYSTEM ECONOMIZER AND FAN SUMMARY INFORMATION										
01	02	03	04				05			
		Outside Air	Supply Fan				Return Fan			
Equipment Name	EconomizerType	CFM	CFM	HP	BHP	Control	CFM	HP	BHP	Control
AirSystem 1	NoEconomizer	720	1875.0	0.75	0.75	ConstantVolume				

H. CHILLER SUMMARY INFORMATION

Not Applicable

I. COOLING TOWER SUMMARY INFORMATION

Not Applicable

J. BOILER SUMMARY INFORMATION

Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION

Not Applicable

L-1. ZONAL SYSTEM SUMMARY INFORMATION

Not Applicable

M-1.. DHW SUMMARY INFORMATION: FLUID SYSTEMS

Not Applicable

M-2.. DHW SUMMARY INFORMATION: RECIRCULATION DHW SYSTEMS

Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 5 of 6

Compliance Scope: New Complete Building Including Envelope, Lighting and HVAC Input File Name:

Not Applicable.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 6 of 6

Compliance Scope: New Complete Building Including Envelope, Lighting and HVAC Input File Name:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:Ryan McIntosh	Documentation Author Signature:
Company:Silver Creek	Signature Date: 12/31/14
Address:2830 Barrett Ave - Perris CA 92571	CEA Identification (If applicable):
City/State/Zip:	Phone:951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Building Owner's Name:SILVER CREEK	Building Owner's Signature:
Address:2830 Barrett Ave - Perris CA 92571	Date Signed: 12/31/14
City/State/Zip:	Phone:951-943-5393
Responsible Designer Name:Silver Creek	ResponsibleDesigner Signature:
Company:Silver Creek	Date Signed: 12/31/14
Address:2830 Barrett Ave - Perris CA 92571	License. 855255
City/State/Zip:	Phone:951-943-5393
Responsible Lighting Designer Name:Silver Creek	Responsible Lighting Designer Signature:
Company:Silver Creek	Date Signed: 12/31/14
Address:2830 Barrett Ave - Perris CA 925714	License. 855255
City/State/Zip:	Phone:951-943-5393
Responsible Mechanical Designer Name.Silver Creek	Responsible Mechanical Designer Signature:
Company:Silver Creek	Date Signed: 12/31/14
Address:2830 Barrett Ave - Perris CA 925714	License: 855255
City/State/Zip:	Phone:951-943-53935

Lydia Barron Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.06.30 17:20:11 -07'00'

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ENERGY CALC'S.
PRF FORMS
ZONE 14 WORST CASE

LICENSED ARCHITECT JACK F. SHIVELY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC / FLS / SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS — SS
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-0.5A

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC **Calculation Date/Time:**

Page 1 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:**

A. GENERAL INFORMATION

01	Project Address	ZONE 15	21	Compliance Software	CBECC-Com 2013-3a (687)
02	City	ZONE 15	22	Compliance Manager Version	BEMCmpMgr 2013-3a (687)
03	Zip code		23	Rule Set Filename	CA 2013 Nonresidential, Vers. 2.0 (CEC 20^3 NonRes.bin)
04	Climate Zone	ClimateZone15	24	Building Type	Nonresidential
05	Building Front Orientation	150	25	Construction Type	
06	Number of Above Grade Stories	1	26	North Wall Area (ft2)	264
07	Number of Below Grade Stories	0	27	East Wall Area (FT2)	440
08	Number of Dwelling Units	0	28	South Wall Area (ft2)	264
09	Total Conditioned Floor Area (ft2)	960	29	West Wall Area (ft2)	440
10	Total Unconditioned Floor Area (ft2)		30	Total Exterior Wall Area (ft2)	1,408
11	Addition Conditioned Floor Area (ft2)		31	North Glazing Area (ft2) / Glazing Ratio	32 / 12%
12	Addition Unconditioned Floor Area(ft2)		32	East Glazing Area (ft2) / Glazing Ratio	0 / 0%
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14	Number of Thermal Zones (conditioned)	1	34	West Glazing Area (ft2) / Glazing Ratio	0 / 0%
15	Number of Air Systems	1	35	Total Glazing Area (ft2) /Glazing Ratio	64 / 5%
16	Number of Zonal Systems	0	36	Roof Area (ft2)	960
17	Number of Terminal Units	0	37	Skylight Area (ft2) / Skylight-Roof-Ratio	0 / 0%
18			38		
19			39		
20			40		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC **Calculation Date/Time:**

Page 2 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:**

B. COMPLIANCE RESULTS

01	BUILDING COMPLIES			
02	Special Features are Required -TBD			
03	HERS Verification is Required - TBD			
ANNUAL TDV ENERGY USE SUMMARY (kBtu/ft2/yr)				
	04	05	06	07
Energy Component	Standard Design	Proposed Design	Compliance Margin	Percent Better than Standard*
Space Heating	30.4	30.6	-0.2	-0.7%
Space Cooling	268.5	334.7	-66.2	-24.7%
Indoor Fans	134.7	82.5	52.2	38.8%
Heat Rejection	–	–	–	–
Pumps & Misc.	–	–	–	–
Domestic Hot Water	–	–	–	–
Lighting	52.5	24.5	28.0	53.3%
COMPLIANCE TOTAL	486.1	472.3	13.8	2.8%
Receptacle	66.6	66.6		0.0%
Process	–	–		–
Process Lighting	–	–		–
TOTAL	552.7	538.9		2.5%

C. OCCUPANCY SUMMARY INFORMATION -

01	02	03	04	05	06	07	08
				Allowed (Baseline) Lighting Power			
					Additional (Custom) Allowances		
Occupancy Type	Floor Area	Installed Lighting Power	Lighting Control Credits	General Lighting Power Allowance	Area Category	Tailored Method	Total Allowed Lighting Power
	(ft2)	(Watts)	(Watts)	(Watts)	(Watts)	(Watts)	(Watts)
Classrooms, Lecture, Training, Vocational Areas	960	744	186	1,152			1,152

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC **Calculation Date/Time:**

Page 3 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:**

D. ENVELOPE SUMMARY INFORMATION

01	02	03	04	05	06	07	08
			Assembly Layers				
Surface Name	Surface Type	U-Factor / F-Factor / C-Factor		Framing Type	Framing Spacing	R-value	Certified Cool Roof
SCI ROOF	Roof	U-0.05	Metal Standing Seam - 1/16 in Fiber cement board - 63 lb/ft3 - 1/3 in. Plywood - 3/4 in. Composite Framing Air - Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in.	Metal	Roof24inOC	R-0 R-0.21 R-0.94 R-30 Cavity R-0.92 R-1.26	
SCI PLYWD FLOOR	ExteriorFloor	U-0.06	Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite Framing Plywood - 1 in. Carpet - 3/4 in.	Metal	Floor24inOC	R-0.92 R-30 Cavity R-1.25 R-2.38	
2x4 T111 WALL	ExteriorWall	U-0.08	Wood siding - 1/2 in. Vapor seal - plastic film - 1/16 in. Composite Framing Gypsum Board - 1/2 in. Acoustic Tile - 1/2 in.	Wood	Wall16inOC	R-0.8 R-0.01 R-13 Cavity R-0.45 R-1.26	

E. FENESTRATION SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Name	Fenestration Type	Certification Method	Assembly Method	Frame Type	U-value	SHGC	VT
SCI - IWC 6200 - SLIDER - SB60/ CLR	Sliding	NFRCRated	Manufactured	- specify -	0.51	0.35	0.63

F. MECHANICAL SYSTEM SUMMARY INFORMATION

01	02	03	04				05						
			Cooling				Heating						
Equipment Name	Equipment Type	Qty	Type	SEER	EER	Rated Output kBtuh	Type	AFUE	HSPF	Thermal Eff.	Rated Output kBtuh	Supplemental Heat Source	Supplemental Rated Output kBtuh
AirSystem 1	SZHP	1	DirectExpansion	13.0	9.0	53	HeatPump				50.2		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC **Calculation Date/Time:**

Page 4 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:**

G. MECHANICAL SYSTEM ECONOMIZER AND FAN SUMMARY INFORMATION

01	02	03	04				05			
		Outside Air	Supply Fan				Return Fan			
Equipment Name	EconomizerType	CFM	CFM	HP	BHP	Control	CFM	HP	BHP	Control
AirSystem 1	NoEconomizer	720	1675.0	0.75	0.75	ConstantVolume				

H. CHILLER SUMMARY INFORMATION

Not Applicable

I. COOLING TOWER SUMMARY INFORMATION

Not Applicable

J. BOILER SUMMARY INFORMATION

Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION

Not Applicable

L-1. ZONAL SYSTEM SUMMARY INFORMATION

Not Applicable

M-1.. DHW SUMMARY .NFORMATION. FLUID SYSTEMS

Not Applicable

M-2. DHW SUMMARY INFORMATION. RECIRCULATION DHW SYSTEMS

Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC **Calculation Date/Time:**

Page 5 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:**

Not Applicable.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC **Calculation Date/Time:**

Page 6 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:**

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:SILVER CREEK	Documentation Author Signature: [signature]
Company:SILVER CREEK	Signature Date: 12/8/14
Address:2830 Barrett Ave - Perris CA 92571	CEA Identification (If applicable):
City/State/Zip:	Phone:951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Building Owner's Name:SILVER CREEK	Building Owner's Signature: [signature]
Address:2830 Barrett Ave - Perris CA 92571	Date Signed: 12/8/14
City/State/Zip:	Phone:951-943-5393
Responsible Designer Name:Ryan McIntosh	ResponsibleDesigner Signature: [signature]
Company:SILVER CREEK	Date Signed: 12/8/14
Address:2830 Barrett Ave - Perris CA 92571	License: 855257
City/State/Zip:	Phone:951-943-5393
Responsible Lighting Designer Name:SILVER CREEK	Responsible Lighting Designer Signature: [signature]
Company:SILVER CREEK	Date Signed: 12/3/14
Address:2830 Barrett Ave - Perris CA 92571	License: 855257
City/State/Zip:	Phone:951-943-5393
Responsible Mechanical Designer Name:SILVER CREEK	Responsible Mechanical Designer Signature: [signature]
Company:SILVER CREEK	Date Signed: 12/8/14
Address:2830 Barrett Ave - Perris CA 92571	License: 855257
City/State/Zip:	Phone:951-943-5393

Lydia Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.06.30 17:22:28 -07'00'

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ENERGY CALC'S.
PRF FORMS
ZONE 15 WORST CASE

LICENSED ARCHITECT
JACK E SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS [initials]
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS — SS DW
DATE APR 26 2018~~

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-0.5B

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 1 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC Input File Name:

A. GENERAL INFORMATION

01	Project Address	ZONE 16	21	Compliance Software	CBECC-Com 2013-3a (687)
02	City	ZONE 16	22	Compliance Manager Version	BEMCmpMgr 2013-3a (687)
03	Zip code		23	Rule Set Filename	CA 2013 Nonresidential, Vers. 2.0 (CEC 2013 NonRes.bin)
04	Climate Zone	ClimateZone16	24	Building Type	Nonresidential
05	Building Front Orientation	330	25	Construction Type	
06	Number of Above Grade Stories	1	26	North Wall Area (ft2)	264
07	Number of Below Grade Stories	0	27	East Wall Area (FT2)	440
08	Number of Dwelling Units	0	28	South Wall Area (ft2)	264
09	Total Conditioned Floor Area (ft2)	960	29	West Wall Area (ft2)	440
10	Total Unconditioned Floor Area (ft2)		30	Total Exterior Wall Area (ft2)	1,408
11	Addition Conditioned Floor Area (ft2)		31	North Glazing Area (ft2) / Glazing Ratio	32 / 12%
12	Addition Unconditioned Floor Area(ft2)		32	East Glazing Area (ft2) / Glazing Ratio	0 / 0%
13	Number of Thermal Zones	1	33	South Glazing Area (ft2) / Glazing Ratio	32 / 12%
14	Number of Thermal Zones (conditioned)	1	34	West Glazing Area (ft2) / Glazing Ratio	0 / 0%
15	Number of Air Systems	1	35	Total Glazing Area (ft2) /Glazing Ratio	64 / 5%
16	Number of Zonal Systems	0	36	Roof Area (ft2)	960
17	Number of Terminal Units	0	37	Skylight Area (ft2) / Skylight-Roof-Ratio	0 / 0%
18			38		
19			39		
20			40		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance Report Version: PRF01-06032014-687 Report Generated at: 2014-12-31T09:07:03

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 2 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC Input File Name:

B. COMPLIANCE RESULTS

01	BUILDING COMPLIES			
02	Special Features are Required -TBD			
03	HERS Verification is Required - TBD			
ANNUAL TDV ENERGY USE SUMMARY (kBtu/ft2/yr)				
	04	05	06	07
Energy Component	Standard Design	Proposed Design	Compliance Margin	Percent Better than Standard*
Space Heating	238.1	277.2	-39.1	-16.4%
Space Cooling	96.8	121.0	-24.2	-25.0%
Indoor Fans	150.9	89.8	61.1	40.5%
Heat Rejection	–	–	–	–
Pumps & Misc.	–	–	–	–
Domestic Hot Water	–	–	–	–
Lighting	51.6	24.3	27.3	52.9%
COMPLIANCE TOTAL	537.4	512.3	25.1	4.7%
Receptacle	66.8	66.8		0.0%
Process	–	–		–
Process Lighting	–	–		–
TOTAL	604.2	579.1		4.2%

C. OCCUPANCY SUMMARY INFORMATION -

01	02	03	04	05	06	07	08
				Allowed (Baseline) Lighting Power			
					Additional (Custom) Allowances		
Occupancy Type	Floor Area	Installed Lighting Power	Lighting Control Credits	General Lighting Power Allowance	Area Category	Tailored Method	Total Allowed Lighting Power
	(ft2)	(Watts)	(Watts)	(Watts)	(Watts)	(Watts)	(Watts)
Classrooms, Lecture, Training, Vocational Areas	960	744	186	1,152			1,152

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance Report Version: PRF01-06032014-687 Report Generated at: 2014-12-31T09:07:03

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 3 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC Input File Name:

D. ENVELOPE SUMMARY INFORMATION

01	02	03	04	05	06	07	08
			Assembly Layers				
Surface Name	Surface Type	U-Factor / F-Factor / C-Factor		Framing Type	Framing Spacing	R-value	Certified Cool Roof
SCI ROOF	Roof	U-0.05	Metal Standing Seam - 1/16 in. Fiber cement board - 53 lb/ft3 - 1/3 in. Plywood - 3/4 in. Composite Framing Air - Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in.	Metal	Roof24inOC	R-0 R-0.24 R-0.94 R-30 Cavity R-0.92 R-1.26	
SCI PLYWD FLOOR	ExteriorFloor	U-0.06	Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite Framing Plywood - 1 in. Carpet - 3/4 in.	Metal	Floor24inOC	R-0.92 R-30 Cavity R-1.25 R-2.38	
2x4 T111 WALL	ExteriorWall	U-0.08	Wood siding - 1/2 in. Vapor seal - plastic film - 1/16 in. Composite Framing Gypsum Board - 1/2 in. Acoustic Tile - 1/2 in.	Wood	Wall16inOC	R-0.6 R-0.01 R-13 Cavity R-0.45 R-1.26	

E. FENESTRATION SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Name	Fenestration Type	Certification Method	Assembly Method	Frame Type	U-value	SHGC	VT
SCI - IWC 6200 - SLIDER - SB60 / CLR	Sliding	NFRCRated	Manufactured	- specify -	0.61	0.35	0.63

F. MECHANICAL SYSTEM SUMMARY INFORMATION

01	02	03	04				05						
			Cooling				Heating						
Equipment Name	Equipment Type	Qty	Type	SEER	EER	Rated Output kBtuh	Type	AFUE	HSPF	Thermal Eff.	Rated Output kBtuh	Supplemental Heat Source	Supplemental Rated Output kBtuh
AirSystem 1	SZAC	1	DirectExpansion	13.0	9.0	53	Furnace				68.0		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance Report Version: PRF01-06032014-687 Report Generated at: 2014-12-31T09:07:03

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 4 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC Input File Name:

G. MECHANICAL SYSTEM ECONOMIZER AND FAN SUMMARY INFORMATION

01	02	03	04				05			
		Outside Air	Supply Fan				Return Fan			
Equipment Name	EconomizerType	CFM	CFM	HP	BHP	Control	CFM	HP	BHP	Control
AirSystem 1	NoEconomizer	720	1875.0	0.75	0.75	ConstantVolume				

H. CHILLER SUMMARY INFORMATION

Not Applicable

I. COOLING TOWER SUMMARY INFORMATION

Not Applicable

J. BOILER SUMMARY INFORMATION

Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION

Not Applicable

L-1. ZONAL SYSTEM SUMMARY INFORMATION

Not Applicable

M-1.. DHW SUMMARY INFORMATION: FLUID SYSTEMS

Not Applicable

M-2.. DHW SUMMARY INFORMATION: RECIRCULATION DHW SYSTEMS

Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance Report Version: PRF01-06032014-687 Report Generated at: 2014-12-31T09:07:03

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 5 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC Input File Name:

Not Applicable.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance Report Version: PRF01-06032014-687 Report Generated at: 2014-12-31T09:07:03

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC Calculation Date/Time: Page 6 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC Input File Name:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:SILVER CREEK	Documentation Author Signature:
Company:SILVER CREEK	Signature Date: 12/31/14
Address:2830 Barrett Ave - Perris CA 92571	CEA Identification (If applicable):
City/State/Zip:	Phone:951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Building Owner's Name:SILVER CREEK	Building Owner's Signature:
Address:2830 Barrett Ave - Perris CA 92571	Date Signed: 12/31/14
City/State/Zip:	Phone:951-943-5393
Responsible Designer Name:Ryan McIntosh	ResponsibleDesigner Signature:
Company:SILVER CREEK	Date Signed: 12/31/14
Address:2830 Barrett Ave - Perris CA 92571	License: 855255
City/State/Zip:	Phone:951-943-5393
Responsible Lighting Designer Name:SILVER CREEK	Responsible Lighting Designer Signature:
Company:SILVER CREEK	Date Signed: 12/31/14
Address:2830 Barrett Ave - Perris CA 92571	License: 855255
City/State/Zip:	Phone:951-943-5393
Responsible Mechanical Designer Name:SILVER CREEK	Responsible Mechanical Designer Signature:
Company:SILVER CREEK	Date Signed: 12/31/14
Address:2830 Barrett Ave - Perris CA 92571	License: 855255
City/State/Zip:	Phone:951-943-5393

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance Report Version: PRF01-06032014-687 Report Generated at: 2014-12-31T09:07:03

Lydia Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.06.30 17:24:47 -07'00'

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ENERGY CALC'S.
PRF FORMS
ZONE 16 WORST CASE

LICENSED ARCHITECT
JACK F. SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS — SS DN
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-0.5C

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 1 of 9)
Project Name: 120' x 40' SCI PC	Date Prepared: 10/15/14

Project Address:	Climate Zone: 1-15	Conditioned Floor Area: 4800 / Unconditioned Floor Area:

General Information

Building Type:	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel
☑ Schools	☑ Relocatable Public Schools	☑ Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:	☑ New Construction	☐ Addition	☐ Alteration

A. Electrical Service Metering

☑ Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.

☐ Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Field Inspector	
A	B	C	D	E	F	G	
Designation/location in building/description	kVA	Instantaneous (at the time) kW demand	Historical peak demand (kW)	Resettable kWh	kWh per rate period	Pass	Fail

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 2 of 9)
Project Name:	Date Prepared:

N/A ORDER TO PROVIDE METER INFO AS PART OF SITE SUBMITTAL

		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
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		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐

Table 130.5-A - MINIMUM REQUIREMENTS FOR METERING OF ELECTRICAL LOAD

Meter Rating (kVA)	50 kVA or less	More than 50kVA and less than or equal to 250 kVA	More than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Instantaneous (at the time) kW demand	Required	Required	Required	Required
Historical peak demand (kW)	Not required	Not required	Required	Required
Resettable kWh	Required	Required	Required	Required
kWh per rate period	Not required	Not required	Not required	Required

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 3 of 9)
Project Name:	Date Prepared:

B. Disaggregation of Electrical Circuits

☐ Each newly installed switchboard, panel, and motor control center (in both existing and newly constructed buildings) is required to be disaggregated according to the requirements of Table 130.5-B, shown on the next page.

☐ Individual branch circuits, taps or disconnects that require overcurrent protection devices rated 60A or greater are exempt.

☐ As an alternative, current transformers can be added for individual branch circuits and loads throughout the building, and a permanent measurement system can be installed. In this case, disaggregated wiring would not be required as long as the metering system allows the equivalent disaggregated measurements.

☐ Fill out a separate line for each switchboard, motor control center, panelboard and subpanel.

Switchboard, motor control center, panelboard or subpanel	Electrical Service that supplies that switchboard or panel	Electrical Service Rating	Field Inspector	
			Pass	Fail

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 4 of 9)
Project Name:	Date Prepared:

A	B	C	D	
Designation/location in building/description	Designation/location in building/description	kVA	☐	☐
1B EACH CLASS RM	N/A - PER SITE PACKAGE	<50	☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
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			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
OR				
Current transformers have been attached to individual branch circuits and loads throughout the building, and a permanent measurement system is installed that allows an equivalent degree of disaggregated measurement as required by the Standards..			☐	☐

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 5 of 9)
Project Name:	Date Prepared:

B. Disaggregation of Electrical Circuits (continued)

Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD

Table 130.5 – B sets the upper limit on how many load(s) of each type can be supplied by each feeder. A feeder may not supply loads of more than one type unless the service is rated at 50 kVA or less. For instance, on the fifth row of the table, one feeder on a service >50 kVA could be used to supply all the plug loads on a floor of a building, provided that there are no areas in which more than 25kVA of plug load is supplied to a space less than 5000sf

Load Type	Services rated 50 kVA or less	Services rated more than 50kVA and less than or equal to 250 kVA	Services rated more than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Lighting including exit and egress lighting and exterior lighting	Not required	All lighting in aggregate	All lighting disaggregated by floor, type or area	All lighting disaggregated by floor, type or area
HVAC systems and components including chillers, fans, heaters, furnaces, package units, cooling towers, and circulation pumps associated with HVAC	Not required	All HVAC in aggregate	All HVAC in aggregate and each HVAC load rated at least 50 kVA	All HVAC in aggregate and each HVAC load rated at least 50kVA
Domestic and service water system pumps and related systems and components	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Plug load including appliances rated less than 25 kVA	Not required	All plug load in aggregate. Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug load separated by floor, type or area. Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug loads separated by floor, type or area. All groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Other individual non-HVAC loads or appliances rated 25kVA or greater	Not required	All	Each	Each
Industrial and commercial load centers 25 kVA or greater including theatrical lighting installations and commercial kitchens	Not required	All	Each	Each
Renewable power source (net or total)	Each group	Each group	Each group	Each group
Loads associated with renewable power source	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Charging stations for electric vehicles	All loads in aggregate	All loads in aggregate	All loads in aggregate	All loads in aggregate

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 6 of 9)
Project Name:	Date Prepared:

C. Voltage Drop

☐ Attach voltage drop worksheet to this form.

☐ Field inspector has discretion to approve the worksheets; the tables shown below in this section are advisory only

☐ Feeder conductors and branch circuits that are dedicated to emergency services are exempt from these requirements.

☐ An advisory table of typical power factors is shown below

	Field Inspector	
	Pass	Fail
Feeders. Feeder conductors shall be sized for a maximum voltage drop of 2 percent at design load.	☐	☐
Branch Circuits. Branch circuit conductors shall be sized for a maximum voltage drop of 3 percent at design load.	☐	☐

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 7 of 9)
Project Name:	Date Prepared:

Compliance Manual, Chapter 8, Table 8 2: Typical Power Factors for Voltage Drop Calculations

Load Type	Default Power Factor at 120 volts	Default Power Factor at 277 volts	Clarifying Notes
Fluorescent lighting	0.95	0.95	
Compact fluorescent lighting	0.9 (hardwired) 0.5 (GU-24)	0.9 (hardwired) 0.3 (GU-24)	NPF magnetic ballasts use GU-24 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor drivers
Incandescent lighting	1.0	1.0	
HID lighting	0.9	0.9	May be lower if NPF ballasts are specified
HVAC packages	0.85	0.9	
Other motors <5 HP	0.8	0.8	
Other motors >5 HP	0.85	0.85	
Kitchen equipment	0.9	N/A	
Receptacles	0.6	N/A	For dedicated receptacles, may be rated according to the load
Electric heating including hot water	1.0	1.0	
Other	0.85	0.85	

STATE OF CALIFORNIA
Electrical Power Distribution
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CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 8 of 9)
Project Name:	Date Prepared:

D. Circuit Controls for 120-Volt Receptacles

☐ Controlled 120 volt receptacles shall be provided, as required by Section 130.5(d) of the Standards.

☐ In open office areas, controlled circuit receptacles are not required if, at time of final permit, workstations are installed, and each workstation is equipped with an occupant sensing control that is permanently mounted in each workstation, and which controls a hardwired, nonresidential-rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this exception.

☐ Receptacles that are only for the following purposes are exempt:

-Receptacles specifically for refrigerators and water dispensers in kitchenettes.
-Receptacles located a minimum of six feet above the floor that are specifically for clocks.
-Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.

	Field Inspector	
	Pass	Fail
1. At least one controlled receptacle is installed within 6 feet of each uncontrolled receptacle, or split-wired duplex receptacles are installed, that have one controlled and one uncontrolled receptacle. This applies in all of the following spaces: • Private offices, open office areas • Receptions and lobbies • Conference rooms • Kitchenettes in office spaces • Copy room	☐	☐
2. Electric circuits serving controlled receptacles are equipped with automatic shut-OFF controls following the requirements prescribed in Section 130.1(c)1 through 5 (in many cases this will mean that the receptacles are connected to the same automatic shut-OFF system as the general lighting of the space).	☐	☐
3. Controlled receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles.	☐	☐
4. For open office areas, controlled circuits shall be provided and marked to support installation and configuration of office furniture with receptacles that comply with Section 130.1(a)130.5(d) 1, 2, and 3.	☐	☐
5. For hotel and motel guest rooms at least one-half of the 120-volt receptacles in each guest room are controlled receptacles that comply with Section 130.5(d)1, 2, and 3 (see numbers 1,2 and 3 above). Electric circuits serving controlled receptacles have captive card key controls, occupancy sensing controls, or automatic controls such that, no longer than 30 minutes after the guest room has been vacated, power is switched off.	☐	☐
6. Plug-in strips and other plug-in devices that incorporate an occupant sensor are not used to comply with any of these requirements.	☐	☐

STATE OF CALIFORNIA
Electrical Power Distribution
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CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 9 of 9)
Project Name:	Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	RYAN McINTOSH	Documentation Author Signature:	(signature)
Company:	SILVER CREEK	Signature Date:	10/16/14
Address:	- -	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	- -	Phone:	- -

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	SILVER CREEK	Responsible Designer Signature:	(signature)
Company:	SILVER CREEK	Date Signed:	10/16/14
Address:	- -	License:	805251
City/State/Zip:	- -	Phone:	- -

Lydia Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.06.30 17:34:50 -07'00'

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ENERGY CALC'S.
ELC FORMS
120' x 40' BLDG'S

LICENSED ARCHITECT JACK SHIVELY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03 117300
AC - FLS - SS DW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-0.6D

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: 120' x 40' SCI PC	Date Prepared: 10/15/14

Project Address:	Total Illuminated Hardscape Area
General Information Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration	
Outdoor Lighting Zone (OLZ) ☐ OLZ-1 ☐ OLZ-2 ☒ OLZ-3 ☐ OLZ-4 I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114	

LIGHTING COMPLIANCE DOCUMENTS (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☒	NRCC-LTO-01-E	Certificate of Compliance
☐	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☒	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power			Watts
1.	Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	=	150
	Complies ONLY if Installed ≤ Allowed		↕
2.	Sum Total INSTALLED Outdoor lighting Wattage from NRCC-LTO-01-E, page 3		150

Declaration of Required Installation Certificates – Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

☒ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☐ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

☒ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name:	Date Prepared:

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the cutoff requirements in §130.2(b)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions
TYP EXT LIGHT	< 30W, NO PART LOAD REQUIREMENT

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name:	Date Prepared:

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Cutoff	Field Inspector	
A	B	C	D		E	F	G	H	I	
			How wattage was determined							
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	BUG Rating	Pass	Fail
TYP	30W (MAX) LED WALL PACK	30	☐	☒	5	150	ENTRY DOOR	FULL CUTOFF	☐	☐
			☐	☐					☐	☐
INSTALLED WATTS PAGE TOTAL:						150	Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1	150		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2013

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name:	Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RYAN McINTOSH	Documentation Author Signature: [signature]
Company: SILVER CREEK	Signature Date: 10/15/14
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature: [signature]
Company: SILVER CREEK	Date Signed: 10/16/14
Address:	License: 855259
City/State/Zip:	Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2013

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 08/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 1 of 3)
Project Name: 120' x 40' SCI PC	Date Prepared: 10/15/14

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (indicate if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated onto the building plans. Forms NRCC-MCH-04-E and NRCC-MECH-05-E are alternative forms to NRCC-MCH-01-E, NRCC-MCH-02-E and NRCC-MCH-03-E for projects using only single zone packaged HVAC systems.

YES	NO	Form	Title
X		NRCC-MCH-04-E (1 of 2)	Certificate of Compliance. Required on plans when used.
X		NRCC-MCH-04-E (2 of 2)	Mechanical Acceptance Tests. Required on plans when used.
	X	NRCC-MCH-05-E (1 of 2)	HVAC Prescriptive Requirements. It is required on plans when used.
X		NRCC-MCH-05-E (2 of 2)	Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans where applicable.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 08/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 2 of 3)
Project Name:	Date Prepared:

Designer:

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:

Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

Systems Acceptance. Before occupancy permit is granted. All newly installed HVAC equipment must be tested using the Acceptance Requirements..

The NRCC-MCH-04-E form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.

Test Description		MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-06-A	MCH-07-A	MCH-11-A	MCH-12-A	MCH-14-A	MCH-18-A	Test Performed By:
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Automatic Demand Shed Control	FDD for Packaged DX Units	Distributed Energy Storage DX AC Systems	Energy Management Control System	
ALL HPs	ALL	✓	✓	✓		✓						

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 08/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 3 of 3)
Project Name:	Date Prepared: 10/15/16

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RYAN McINTOSH	Documentation Author Signature: [signature]
Company: SILVER CREEK	Signature Date: 10/16/14
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature: [signature]
Company: SILVER CREEK	Date Signed: 10/16/14
Address:	License: 855259
City/State/Zip:	Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014

Lydia Barron
Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.06.30 17:37:53 -07'00'

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:
ENERGY CALC'S.
LTO / MCH FORMS
120' x 40' BLDG'S

LICENSED ARCHITECT — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117380
ACS — FLS — SS DW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS
1
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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER
A-0.6E

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 5)
Project Name: 120' x 40' SCI PC	Date Prepared: 10/15/14

Climate Zone: 1-15	Conditioned Floor Area: 4800		
	Unconditioned Floor Area: —		
General Information			
Building Type: ☐ Schools (checked)	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel
	☑ Relocatable Public Schools	☐ Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:	☑ New Construction	☐ Addition	☐ Alteration
Method of Compliance:	☐ Complete Building	☑ Area Category	☐ Tailored

LIGHTING COMPLIANCE DOCUMENTS (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
	✓	NRCC-LTI-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LTI-04-E	Tailored Method Worksheets
	✓	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets

Summary of Allowed Lighting Power
Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	Installed Lighting NRCC-LTI-01-E, page 4	+	3720	Installed Lighting NRCC-LTI-01-E, page 4	+	
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+	—			
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	930	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
4.	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	=	2790	Adjusted Installed Lighting Power (row 1 minus row 3)	=	

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 5)
Project Name:	Date Prepared:

5.	Complies ONLY if Installed ≤ Allowed		Complies ONLY if Installed ≤ Allowed	
6.	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1	5760	Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1	

Declaration of Required Installation Certificates – Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
✓		NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
✓		NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
	✓	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 5)
Project Name:	Date Prepared:

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
- ☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)
- ☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
- ☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- ☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot							Office Location	Field Inspector	
A	B	C	D	E	F	G	H	I	J	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; If F > 0.3, (F-0.3)	E x G	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 1		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 4 of 5)
Project Name:	Date Prepared:

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
Name or Item Tag	Complete Luminaire Description (i.e., 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
Typ	2x4 3 TUBE T-8, (1) Dim Ballast	93	✓	☐	40	3720	Class Rm	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
INSTALLED WATTS PAGE TOTAL:						5720	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 5)
Project Name:	Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh	Documentation Author Signature: [signature]
Company: Silver Creek	Signature Date: 10/16/14
Address: —	CEA/ HERS Certification Identification (If applicable): —
City/State/Zip: —	Phone: —

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Silver Creek	Responsible Designer Signature: [signature]
Company: Silver Creek	Date Signed: 10/16/14
Address: —	License: B55259
City/State/Zip: —	Phone: —

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: 120' X 40' SCI PC	Date Prepared: 10/15/14

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
✓		Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
✓		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
	✓	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
✓		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
✓		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	✓	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name:	Date Prepared:

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]				Field Inspector	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.6(d)	Watts of Controlled Lighting	PAF	Control Credit (K x L)	✓ if Acceptance Test Required	Pass	Fail
Class Rm	OC, Auto Daylight, Man	40	✓	–	–	✓		✓		3720	.25	930		☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
Control Credit PAGE TOTAL (Sum of Column M):												930			
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):												930			
												Enter Control Credit total into NRCC-LTI-01-E; Page 1.			

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name:	Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh	Documentation Author Signature: [signature]
Company: Silver Creek	Signature Date: 10/16/14
Address: —	CEA/ HERS Certification Identification (If applicable): —
City/State/Zip: —	Phone: —

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Silver Creek	Responsible Designer Signature: [signature]
Company: Silver Creek	Date Signed: 10/16/14
Address: —	License: B55259
City/State/Zip: —	Phone: —

Lydia Barron
Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.06.30 17:39:51 -07'00'

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:
ENERGY CALC'S.
LTI FORMS
120' x 40' BLDG'S

LICENSED ARCHITECT — JACK F. SHIVELY — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS 81
Date MAY 2 2 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117300
AC — FLS — SS DN
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER
A-0.6F

24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE-ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN.DESIGN) 1 - 16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	30	30	30
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - WOOD FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE-ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN.DESIGN) 1 - 16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTE
Buildings utilizing exterior wall constucted of steel stud framing shall have Min. R4 Continuous Rigid Insulation (EPS or EPX material) on interior side of wall.
Windows shall be IWC 6200 horizontal slider (SB 60 / Clr) or erqual (Min), U-Factor - .510 (Max), SHGC = .350 (Max), Visual Transmittance = 0.500 (Min)
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE-ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN.DESIGN) 1 - 16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE-ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN.DESIGN) 1 - 16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTE
Buildings utilizing exterior wall constucted of steel stud framing shall have Min. R4 Continuous Rigid Insulation (EPS or EPX material) on interior side of wall.
Windows shall be IWC 6200 horizontal slider (SB 60 / Clr) or erqual (Min), U-Factor - .510 (Max), SHGC = .350 (Max), Visual Transmittance = 0.500 (Min)
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

24'x40' BUILDING - WOOD STUDS - CONCRETE FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE-ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN.DESIGN) 1 - 16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - CONCRETE FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE-ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN.DESIGN) 1 - 16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTE
Buildings utilizing exterior wall constucted of steel stud framing shall have Min. R4 Continuous Rigid Insulation (EPS or EPX material) on interior side of wall.
Windows shall be IWC 6200 horizontal slider (SB 60 / Clr) or erqual (Min), U-Factor - .510 (Max), SHGC = .350 (Max), Visual Transmittance = 0.500 (Min)
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE-ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN.DESIGN) 1 - 16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE-ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN.DESIGN) 1 - 16
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTE
Buildings utilizing exterior wall constucted of steel stud framing shall have Min. R4 Continuous Rigid Insulation (EPS or EPX material) on interior side of wall.
Windows shall be IWC 6200 horizontal slider (SB 60 / Clr) or erqual (Min), U-Factor - .510 (Max), SHGC = .350 (Max), Visual Transmittance = 0.500 (Min)
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

DESIGN ENERGY VALUES BY ZONE | 1

CONSTRUCTION WASTE MANAGEMENT PLAN

A. DEFINITIONS
1. CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
2. RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
3. CO-MINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.

B. PERFORMANCE REQUIREMENTS
1. GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.
   I. C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
   CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES

C. QUALITY ASSURANCE
1. PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
   I. REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.
   II. REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE SALVAGED, RECYCLED OR DISPOSED OF AS WASTE.
   III. REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND DISPOSAL FACILITIES.
   IV. REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.

D. WASTE MANAGEMENT PLAN
1. INDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
2. RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:
   I. TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.
   II. PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL.
   III. PROPOSED METHODS FOR SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING:
   A. REQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY,
   B. CONTRACTING WITH A RECYCLING HAULER TO HAUL RECYCLABLE C&D WASTE TO AN APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY,
   C. PROCESSING AND REUSING MATERIALS ON-SITE

E. WASTE MANAGEMENT REPORT
1. WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:
   I. A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED OR DISPOSED.
   II. TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.
   III. DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL.
   IV. RECYCLING RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR CO-MINGLED LOADS AT THE FACILITY.
   V. SALVAGED MATERIALS DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.

F. CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS
1. USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLARMED AND POTENTIALLY WASTEFUL CUTS.
2. TO THE GREATEST EXTENT POSSIBLE, INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL, THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME PROVISIONS IN THEIR PURCHASE AGREEMENTS.
3. CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS.

G. REMOVAL OF CONSTRUCTION WASTE MATERIALS, GENERAL REQUIREMENTS
1. REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO ACCUMULATE ON-SITE.
2. TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.
3. BURNING OF C&D WASTE IS NOT PERMITTED.

IEQ PLAN

A. CONSTRUCTION PHASE:
1. FILTERS
   I. ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.
   II. ALL FILTERS SHALL HAVE A MERV RATING OF 8 OR GREATER.
   III. A PRESSURE GAUGE SHALL BE INSTALLED AT ALL MECHANICAL EQUIPMENT REQUIRING FILTERS WHICH MEASURES THE PRESSURE DROP ACROSS THE FILTER AND WHICH IS MARKED TO INDICATE WHEN THE FILTER REQUIRES CLEANING OR REPLACEMENT
2. PROTECTION OF MATERIALS
   I. ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER.
   II. ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.
   III. ANY OTHER MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
3. PROTECTION OF INTERIOR ENVIRONMENT
   I. WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.
   II. WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER.
   III. ANY TEMPORARILY UNFILLED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING.
   IV. ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
4. DUCT SYSTEM CONSTRUCTION
   I. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA HV AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK.
   II. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
   III. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED NFPA 90A & NFPA 90B.
   IV. ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED.
   V. ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.
   VI. ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION.
5. MATERIALS INSTALLATION
   I. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED.
   II. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOE EMISSIONS HAVE DISSIPATED.
   III. ANY TEMPORARY VENTILATION SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING.
   IV. WHEN TEMPORARY MECHANICAL VENTILATION IS USED A CONSTRUCTION FILTER SHALL BE INSTALLED WITH MERV RATING OF NOT LESS THAN 8. THE CONSTRUCTION FILTER SHALL BE REPLACED PRIOR TO OCCUPANCY.
   V. MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION OF VOE EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS.
   VI. MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCS OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATION AREA, PRIOR TO INSTALLATION.
   VII. CARPETED SURFACES SHALL BE VACUUMED PER THE CRJ/GREEN LABEL VACUUM CLEANER PROGRAM REQUIREMENTS AT COMPLETION OF CONSTRUCTION AND PRIOR TO OCCUPANCY.

ACOUSTICAL CONTROL

WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDINGS CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. WHEN THE PC BUILDING IS PLACED DIRECTLY ADJACENT TO ANOTHER PC BUILDING, THE ADJOINING WALL SECTION FOR THE INTERIOR SOUND TRANSMISSION MUST MEET THE MINIMUM REQUIREMENTS OF STC RATING OF 40 PER SECTION 507.4.3, THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO BE INSTALLED UPON SHALL IDENTIFY ANY ADDITIONAL NOISE TRANSMISSION MEASURES ARE REQUIRED BASED UPON THE NOISE LEVEL PRESENT AT THE PROJECT SITE. IF NECESSARY EXTERIOR WALL, ROOF AND WINDOW ASSEMBLIES MEETING THE STC AND OR OITC RATINGS SPECIFIED IN SECTIONS 5.507.4.1 + 5.507.4.1.1 SHALL BE UTILIZED.

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

SEALANTS AND CAULKS
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES; BASE COVE ADHESIVES; CERAMIC TILE ADHESIVES; DRYWALL AND PANEL ADHESIVES; AEROSOL ADHESIVES; ADHESIVE PRIMERS; ACOUSTICAL SEALANTS; FIRE STOP SEALANTS; HVAC DUCT SEALANTS, SEALANT PRIMERS; AND CAULKS.

PAINTS & COATINGS
ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.

RESILIENT FLOORING SYSTEMS
ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.6.

COMPOSITE WOOD
ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARE) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 93120-93120.12, TITLE 17, CALIFORNIA CODE OF REGULATIONS. THE AFFECTED PRODUCTS INCLUDE HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM.

CEILING & WALL SYSTEMS
ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS. CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOP, WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL- OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCS OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURES FOLLOWING THE SPECIFICATIONS OF THE CDPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.

CARPET SYSTEMS
ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.

PRIMARY EXTERIOR DOORS
ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

BUILDING COMMISSIONING, BUILDINGS OVER 10,000 SF

BUILDINGS GREATER THAN 10,000 SQUARE FEET SHALL HAVE BUILDING COMMISSIONING COMPLIANCE PER TITLE 24, PART 6, SECTION 120.8 (a):

SUMMARY OF COMMISSIONING REQUIREMENTS
1. OWNERS OR OWNERS REPRESENTATIVE PROJECT REQUIREMENTS
2. BASIS OF DESIGN
3. DESIGN PHASE DESIGN REVIEW
4. COMMISSIONING MEASURES SHOWN IN THE CONSTRUCTION DOCUMENTS
5. COMMISSIONING PLAN
6. FUNCTIONAL PERFORMANCE TESTING
7. DOCUMENTATION AND TRAINING; AND
8. COMMISSIONING REPORT

CALGREEN SPECIFICATIONS | 2

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:
DESIGN ENERGY VALUES BY ZONE & CALGREEN SPEC'S

LICENSED ARCHITECT
JACK F. SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS SA
Date MAY 2 2 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117380
AC — FLS SS DW
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS
1
2
3
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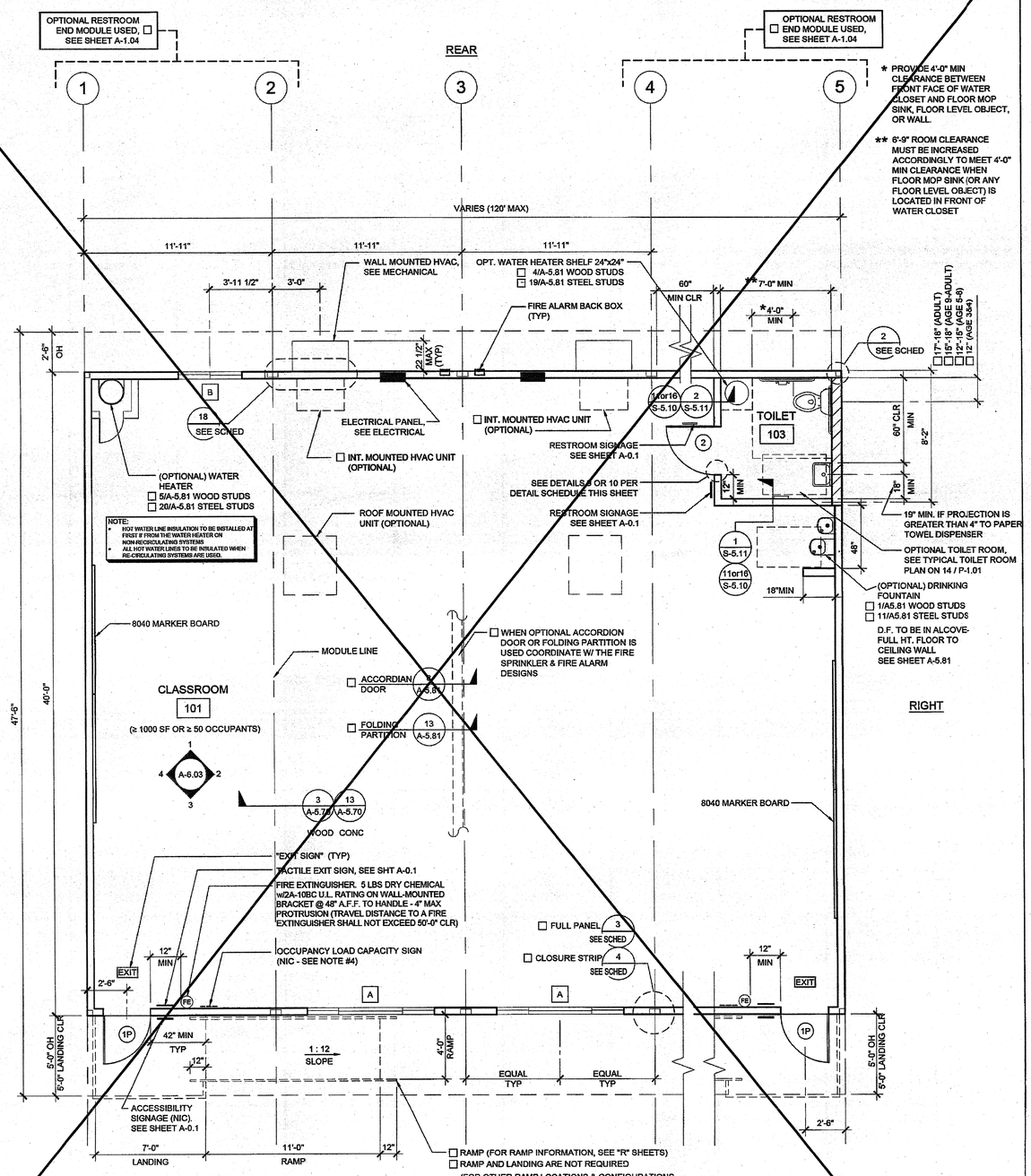
8

SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

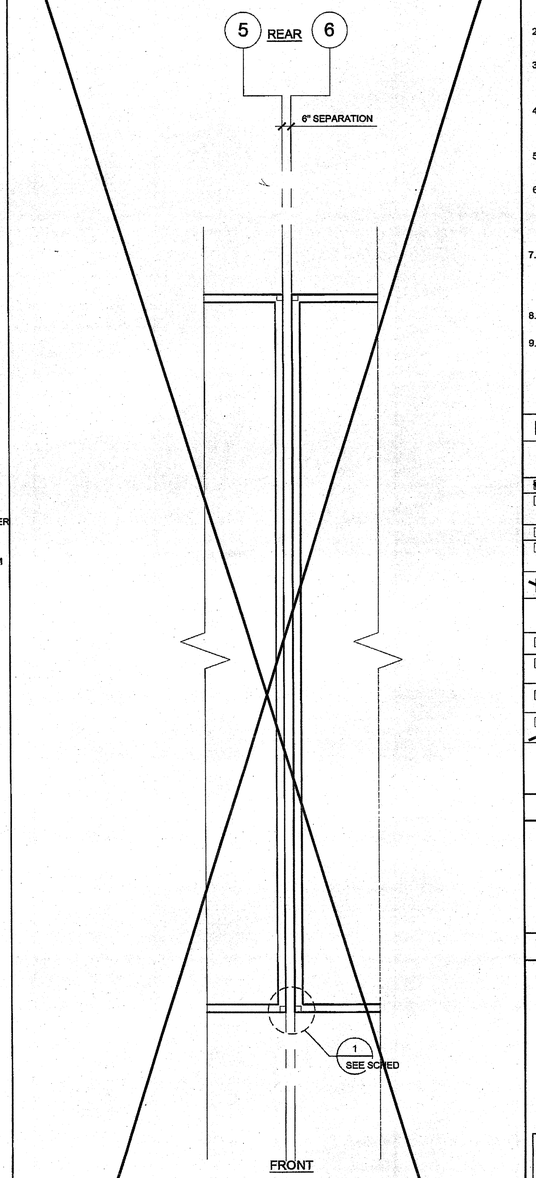
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER
A-0.7



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

10. ADDITIONAL EXITS MAY BE REQUIRED ON ROOMS 1000 sq/ft AND GREATER SHALL INCLUDE PANIC HARDWARE. EMERGENCY LIGHTING & OCCUPANT / EXIT SIGNAGE
11. ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION.



FLOOR SEPARATION PLAN OPTION SCALE: 1/4" = 1'-0" 1

RATED CONSTRUCTION NOTES

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 ELEMENT. 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) DEMOSTRATING 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.)

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. (PER IR 16-1.13)
   (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, Kzt = 1.0, 2013 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER S_s
2. VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7.
3. LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
4. POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CBC 1004.3 & TITLE 19 C.C.R. (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
5. IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS REL-101 & REL-102.
6. FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS. PER IR-16-1.13
7. INTERIOR WALLS MAY BE ADDED TO FLOOR PLAN. SEE 11 OR 16/S5.10, 1,2/S5.11, AND/OR 12,14/S5.11(WOOD STUDS) SEE 3 OR 10/S5.30, 11,12/S5.30, AND/OR 13,14/S5.30 (STEEL STUDS) FOR INTERIOR WALLS AT MODLINES, SEE 3 OR 4/S5.11 (WOOD STUDS); SEE 4 OR 5/S5.31 (STEEL STUDS)
8. FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80
9. IF AN INTERIOR PARTITION WALL IS REMOVED, 2 EXITS ARE REQUIRED AND MUST BE SEPARATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-HALF OF THE MAXIMUM OVERALL DIAGONAL DIMENSION FOR UNSPRINKLERED BUILDINGS AND ONE-THIRD THE MAXIMUM OVERALL DIAGONAL DIMENSION FOR SPRINKLERED BUILDING PER CBC SECTION 1015.2.1

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

SYMBOLS LEGEND

60" CIRCLE CLEAR SPACE

30"x48" CLEAR SPACE

WALL LEGEND

NOMINAL 4" WALL STUD ☑

NOMINAL 6" WALL STUD ☑

NOMINAL 8" WALL STUD ☐

A WINDOW PER SCHEDULE SHEET A-0.2

(#) DOOR PER SCHEDULE SHEET A-0.2

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

THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

FLOOR PLAN
48' TO 120' x 40'

LICENSED ARCHITECT DALE F. SHIVELY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS SQ
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
01 117380
AC DSA FLS SS 2W
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 04-114102
AC DSA FLS SS RAF
DATE AUG 7 4 2015

REVISIONS

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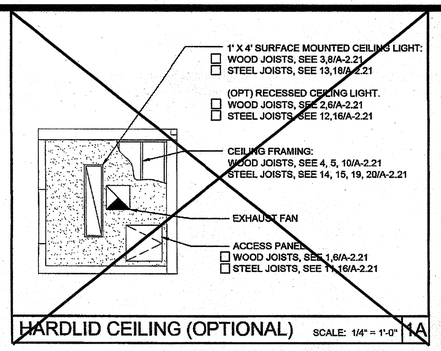
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

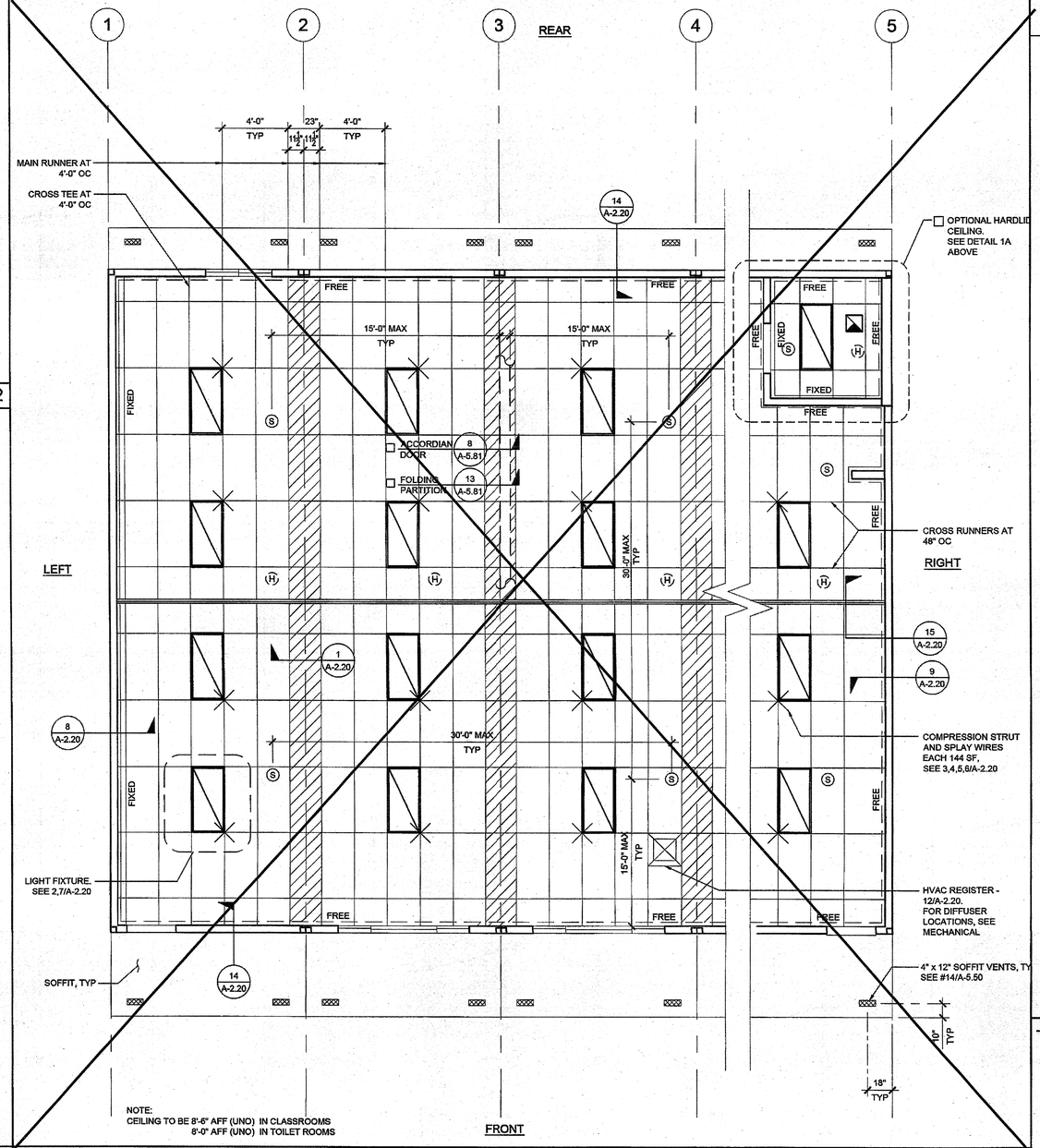
P.C. SHEET NUMBER

A-1.03

REFER TO SHEET "A-1.03N" FOR PROJECT SPECIFIC

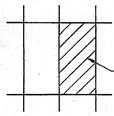


HARDLID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0" | 1A



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.

PROVIDE DRAFT STOP AT AREAS EXCEEDING 3,000 sq/ft. DRAFT STOP TO BE INSTALLED AT MODLINE.

COORDINATE VAULTED CEILING OPTION W/ FIRE SPRINKLER DESIGN.

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308

MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328

STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308) FOR DETAILS SEE 18, 19/A-2.20.
2" WALL ANGLE: 7810 (OPTIONAL)

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

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

REFLECTED CEILING PLAN
48' TO 120' x 40'
VAULTED CEILING PLAN

LICENSED ARCHITECT — ROGER K. SHIVELY III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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AC ✓ FLS ✓ SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117390
AC — FLS — SS DW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

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REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15

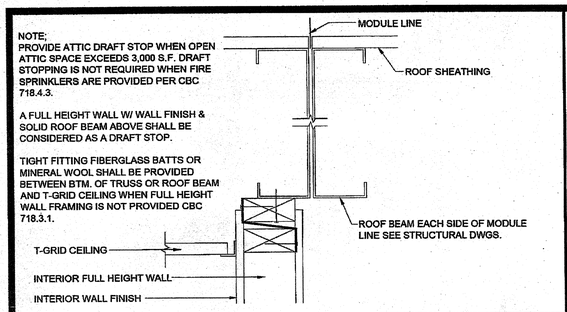
P.C. SHEET NUMBER

A-2.13

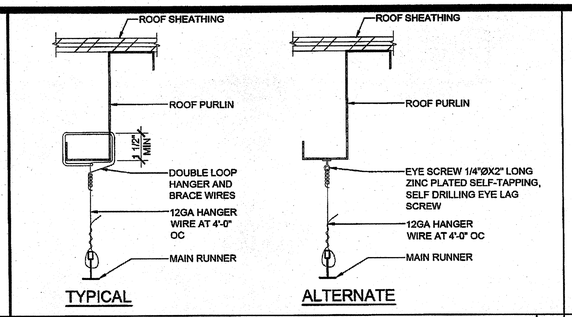
REFER TO SHEET "A-2.13N" FOR PROJECT SPECIFIC

NOT USED | 2

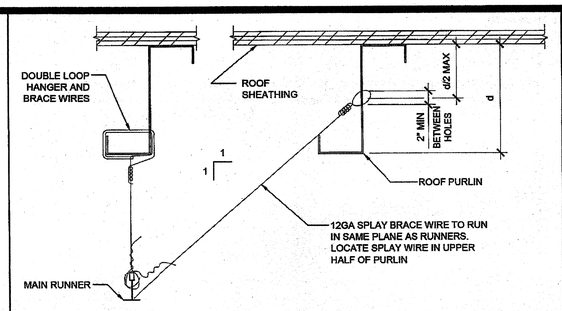
NOT USED | 3 | REFLECTED CEILING PLAN



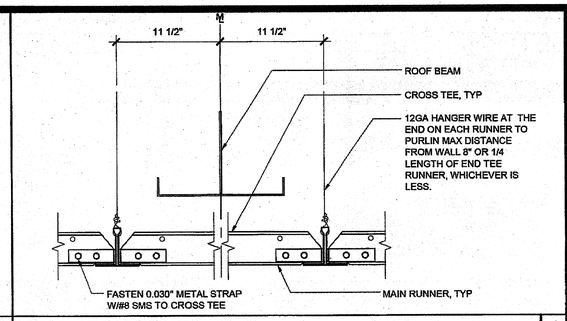
ATTIC DRAFT STOP — SCALE : N.T.S. — 16



HANGER WIRE DETAIL — SCALE : 3"=1'-0" — 11



SPLAY BRACING WIRE — SCALE : 3"=1'-0" — 6



GRID AT MODLINE — SCALE : 3"=1'-0" — 1

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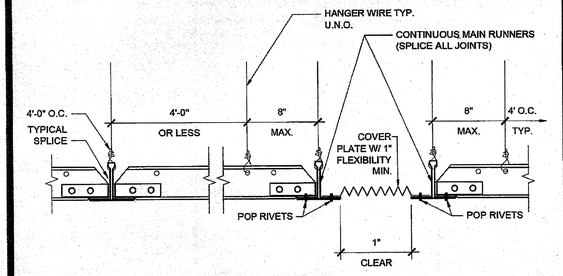
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

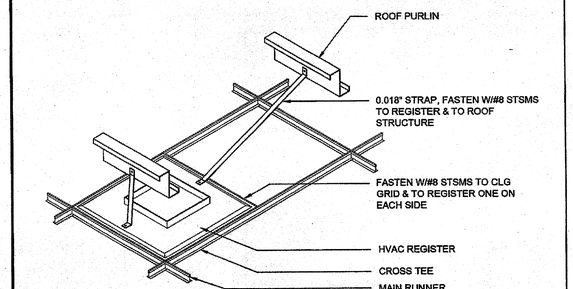
BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

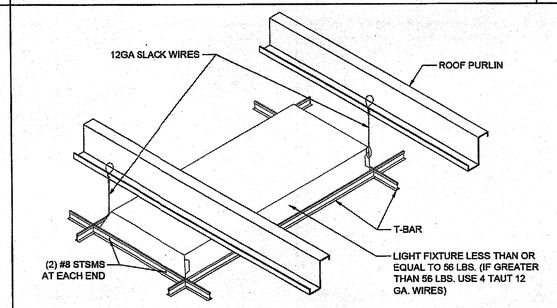
CEILING DETAILS
T GRID



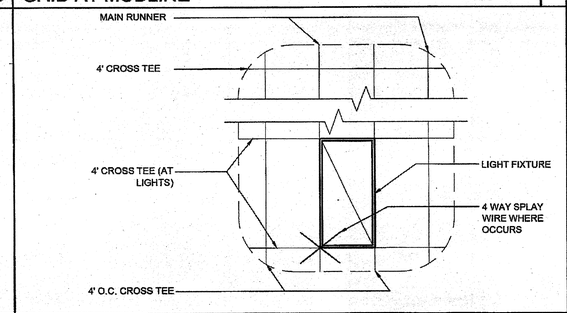
GRID SEISMIC SEPARATION JOINT — SCALE : 3"=1'-0" — 17



HVAC REGISTER MOUNTING — SCALE : NTS — 12



LIGHT FIXTURE MOUNTING — SCALE : NTS — 7



4' CROSS TEE AT LIGHTS — SCALE : 3/8"=1'-0" — 2

LICENSED ARCHITECT
JACK R. SHIVELY III
C-33457
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC FLS SS
Date MAY 22 2018

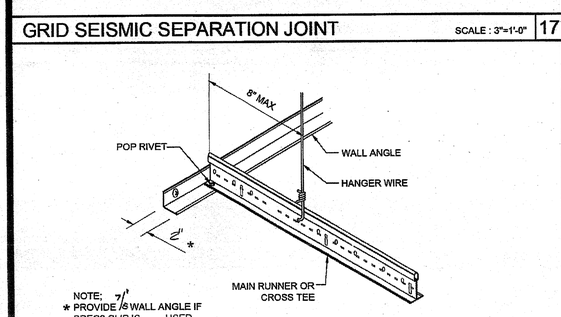
PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117380
ACS FLS SS DN
DATE APR 26 2018

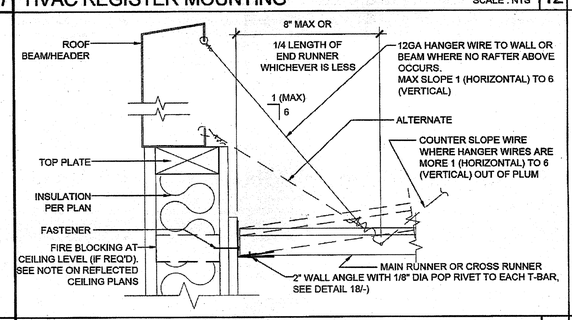
ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SIGNATURE AND DATE IN THIS LOCATION FOR CONSTRUCTION IS REQUIRED

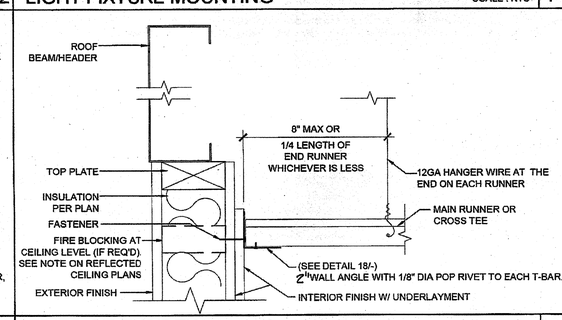
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAF
DATE AUG - 4 2015



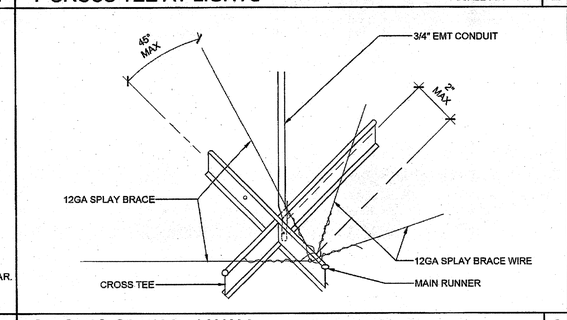
FIXED SIDE — SCALE : NTS — 18



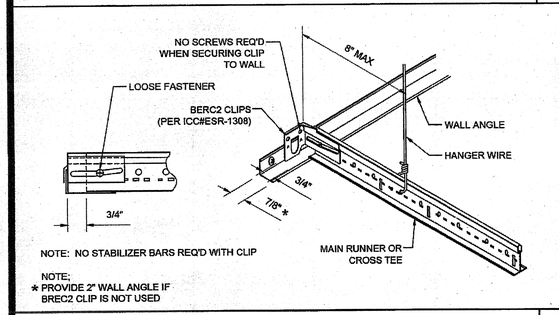
FIXED SIDE (ENDWALL) — SCALE : 3"=1'-0" — 13



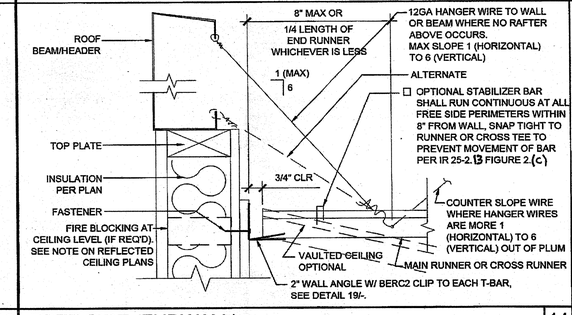
FIXED SIDE (SIDEWALL) — SCALE : 3"=1'-0" — 8



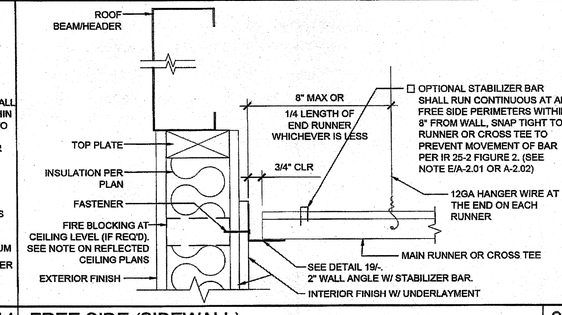
SEISMIC SPLAY - 4 WAY — SCALE : NTS — 3



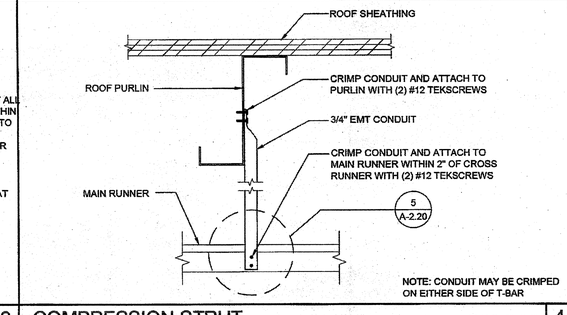
FREE SIDE — SCALE : NTS — 19



FREE SIDE (ENDWALL) — SCALE : 3"=1'-0" — 14



FREE SIDE (SIDEWALL) — SCALE : 3"=1'-0" — 9



COMPRESSION STRUT — SCALE : 3"=1'-0" — 4

REVISIONS

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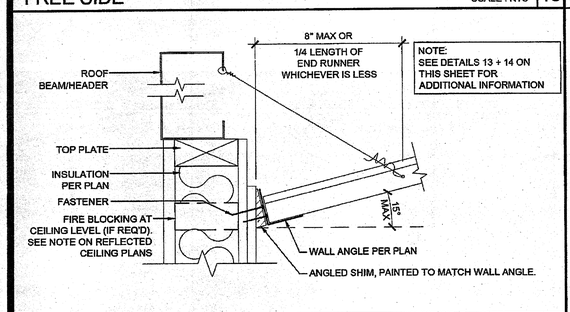
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

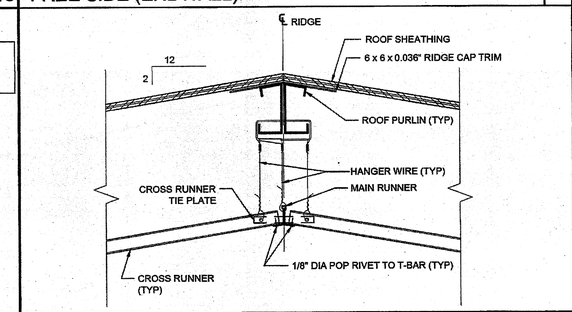
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15

P.C. SHEET NUMBER

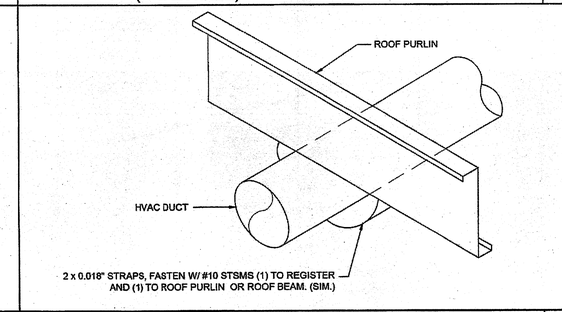
A-2.20



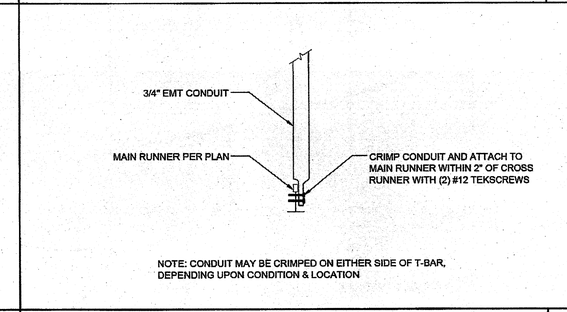
SLOPED CEILING (LOW SIDE) — SCALE : 3"=1'-0" — 20



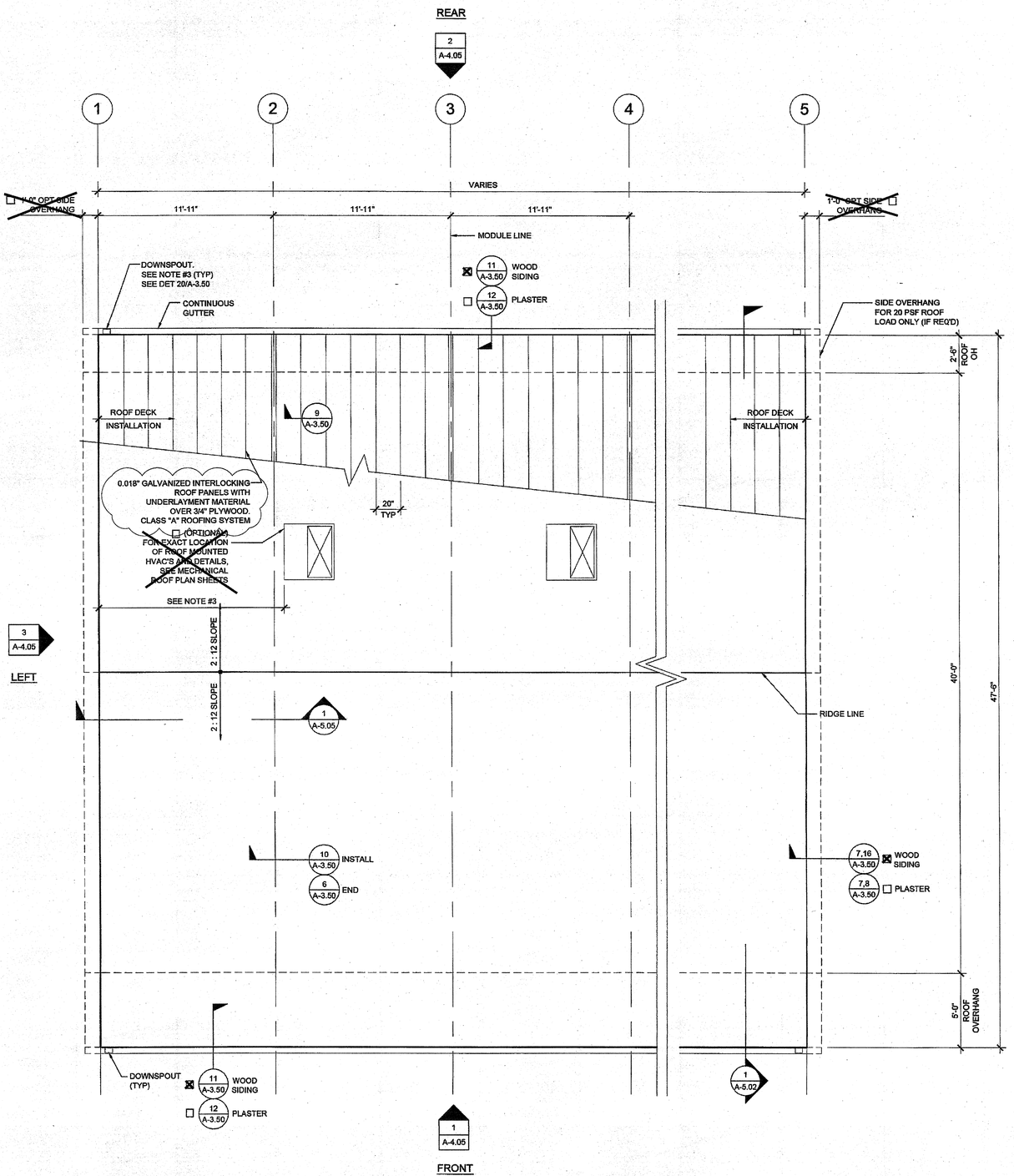
VAULTED CEILING AT MODULE LINE — SCALE : 1 1/2"=1'-0" — 15



HVAC DUCTWORK MOUNTING — SCALE: NTS — 10

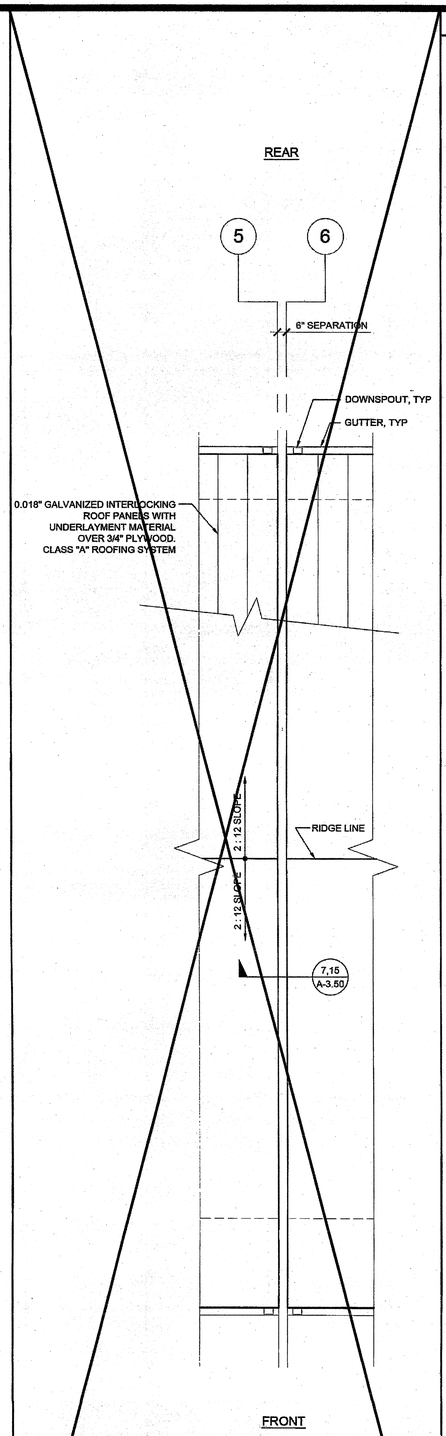


COMPRESSION STRUT — SCALE : 3"=1'-0" — 5



ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE

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



2 ROOF SEP. PLAN OPTION

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

NOTES

1. GROUP E OCCUPANCIES - BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES OR PROVIDE 42" MIN. GUARDRAIL OR PARAPET.
   CBC 2013 SECTIONS 1013.6 & 1013.7.
4. FOR SPECIFIC DOWNSPOUT LOCATIONS FOR VARIOUS BUILDING SIZES, SEE KEY PLANS ON SHEET A-0.3.
   LOCATE ONE (1) DOWNSPOUT FOR EVERY THREE (3) MODULES (TYP.)
5. ANY BUILDING OVER 3,000 SQ/FT REQUIRES A DRAFT STOP UNLESS BUILDING IS EQUIPPED WITH FIRE SPRINKLERS.
6. WHEN PARAPETS ARE REQUIRED BECAUSE OF FIRE SEPARATION REQUIREMENTS AND/OR PROJECT SPECIFICATIONS, PROVIDE PARAPET PER CBC SECT. 705.11

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PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ROOF PLAN
48' TO 120' x 40'
~~0.018"~~ METAL DECK
DUAL SLOPE

LICENSED ARCHITECT
ROGER SHIVELY III
C-33457
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117300
AC FLS SS
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 cbc
A SEPARATE PRODUCT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RDF
DATE AUG 14 2015

REVISIONS

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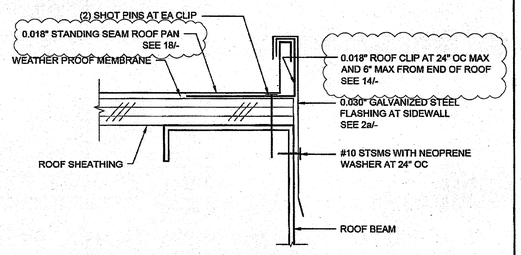
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

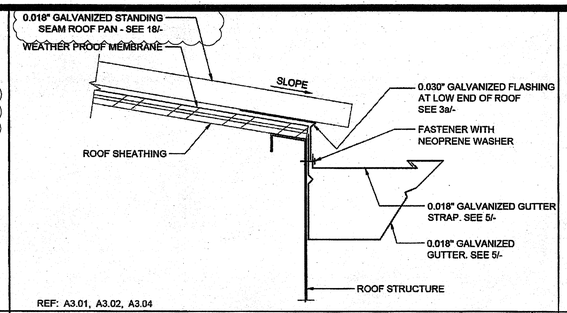
A-3.04

REFER TO SHEET "A-3.04N" FOR PROJECT SPECIFIC



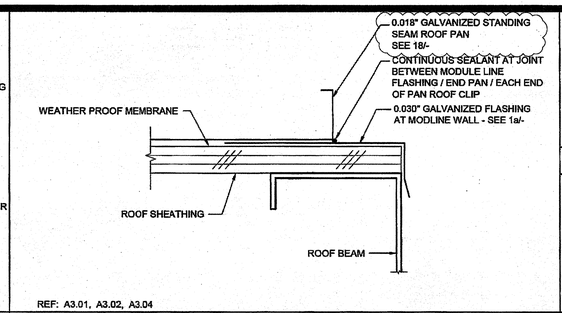
REF: A3.01, A3.02, A3.04

ROOF FLASHING AT SIDEWALL — SCALE : 6"=1'-0" — 16



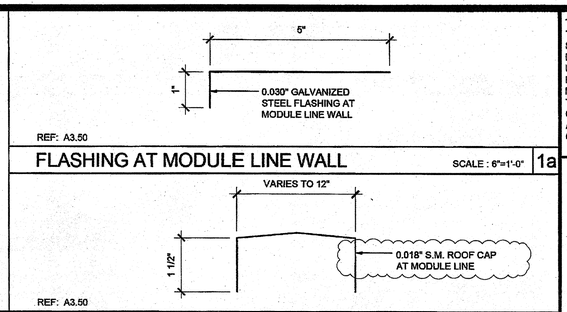
REF: A3.01, A3.02, A3.04

GUTTER AT ROOF FASCIA BEAM — SCALE : 3"=1'-0" — 11



REF: A3.01, A3.02, A3.04

END ROOF PAN CONNECTION — SCALE : 6"=1'-0" — 6

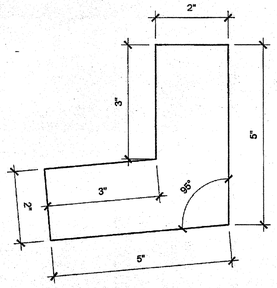


REF: A3.50

FLASHING AT MODULE LINE WALL — SCALE : 6"=1'-0" — 1a

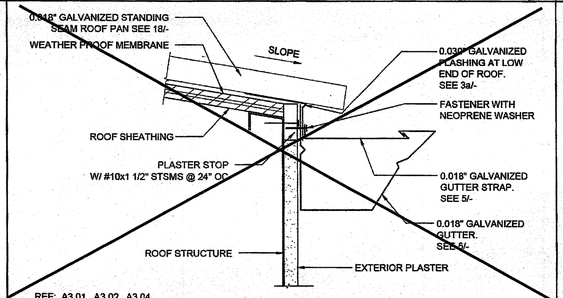
REF: A3.50

0.018" ROOF CAP AT MODULE LINE — SCALE : 6"=1'-0" — 1b



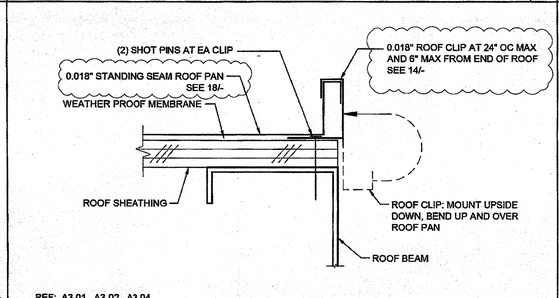
REF: A3.50

DOWNSPOUT ATTACHMENT — SCALE : 6"=1'-0" — 17



REF: A3.01, A3.02, A3.04

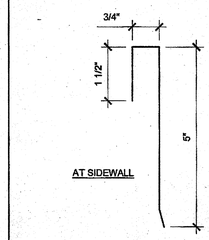
GUTTER AT ROOF FASCIA BEAM — SCALE : 3"=1'-0" — 12



REF: A3.01, A3.02, A3.04

STARTER ROOF PAN CONNECTION — SCALE : 6"=1'-0" — 7

NOT USED — 2b



REF: A3.50

ROOF FLASHING — SCALE : 6"=1'-0" — 2a

REF: A3.50

ROOF DECK PROFILE — SCALE : 6"=1'-0" — 18

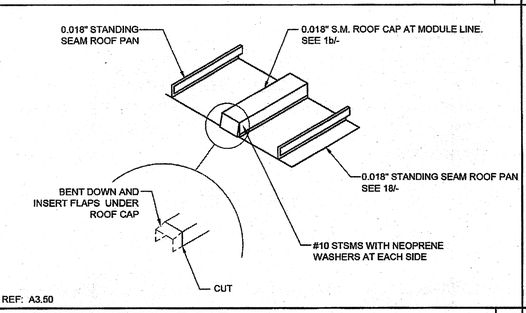
NOT USED — 13

REF: A3.01, A3.02, A3.04

ROOF FLASHING AT SIDEWALL — SCALE : 6"=1'-0" — 8

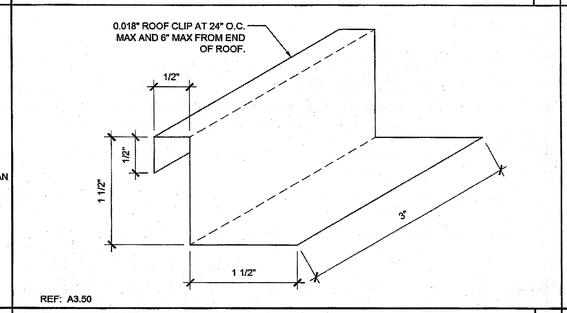
REF: A3.50

FLASHING AT ROOF LOW SIDE(S) — SCALE : 6"=1'-0" — 3a



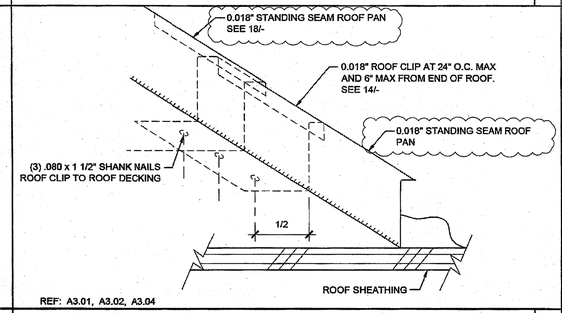
REF: A3.50

MODULE LINE ROOF CAP — SCALE : NTS — 19



REF: A3.50

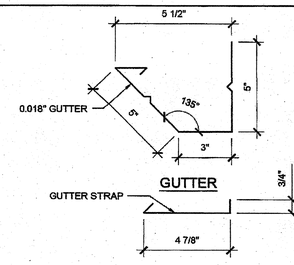
ROOF CLIP — SCALE : 1'-0"=1'-0" — 14



REF: A3.01, A3.02, A3.04

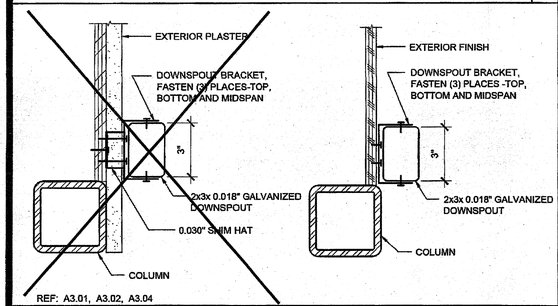
ROOF STANDING SEAM — SCALE : NTS — 9

NOT USED — 4



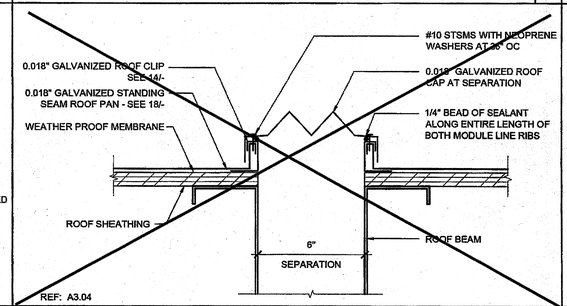
REF: A3.50

0.018" GUTTER AND GUTTER STRAP — SCALE : 3"=1'-0" — 5



REF: A3.01, A3.02, A3.04

DOWNSPOUT ATTACHMENT — SCALE : 3"=1'-0" — 20



REF: A3.04

ROOF CAP AT SEPARATION — SCALE : 3"=1'-0" — 15

10

REF: A3.01, A3.02, A3.04

NOT USED — 3b

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ROOF DETAILS
~~0.018"~~ STANDING SEAM ROOF DECK

LICENSED ARCHITECT JACK F. SHIVELY II C-33467 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117390
AC — FLS — SS DW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

1	
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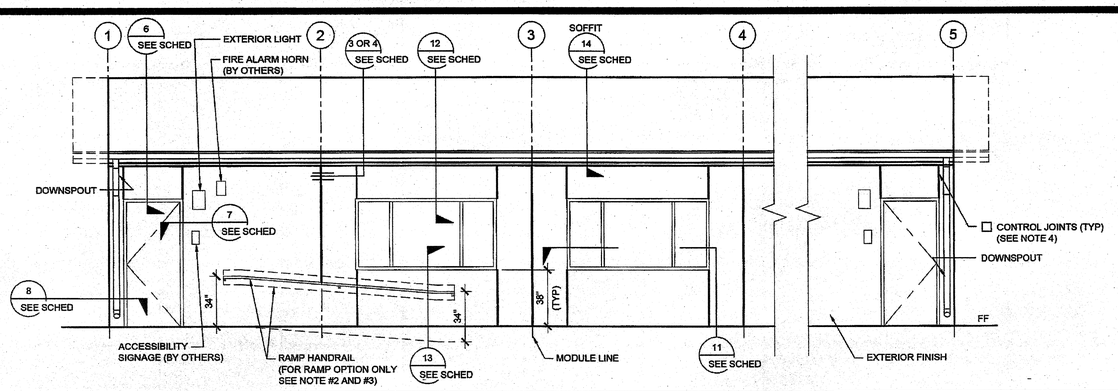
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

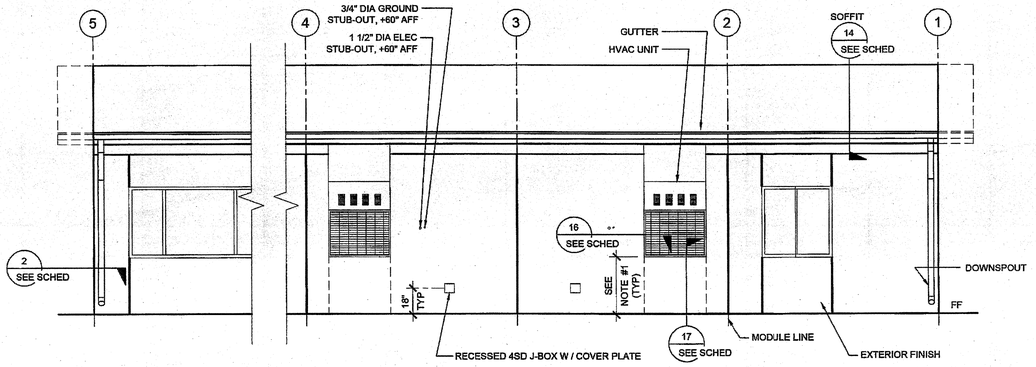
A-3.50

REFER TO SHEET "A-3.50N" FOR PROJECT SPECIFIC



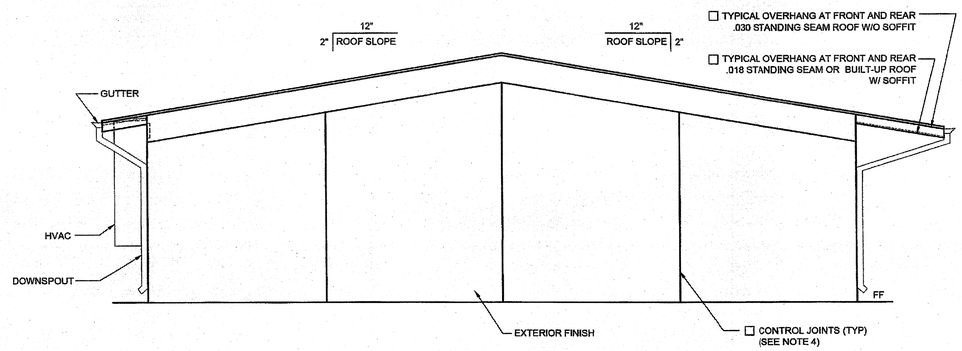
EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE

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



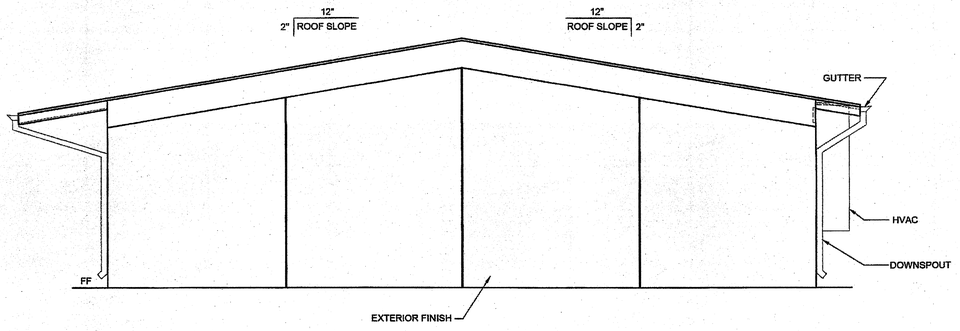
EXTERIOR ELEVATIONS - REAR - DUAL SLOPE

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



EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE

SCALE: 1/4" = 1' - 0" | 3



EXTERIOR ELEVATIONS - RIGHT - DUAL 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 MODLINE, 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 WALL OPTION WHERE RAMP & HANDRAIL IS AGAINST THE WALL. SEE DETAIL 1/R-1.02 FOR ALTERNATE RAMP APPLICATION.
6. EXTERIOR PROJECTIONS THAT ARE REQUIRED TO BE FIRE PROTECTED SHALL COMPLY W/ SECTION 705 AND 1406, 2013 CBC

DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

EXTERIOR ELEVATION
48' TO 120' X 40'
DUAL SLOPE

LICENSED ARCHITECT JACK F. SHINELY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS ✓
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117390
AC NA FLS ✓ SS ✓
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT ONLY - NOT FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC ✓ FLS ✓ SS KAF
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-4.05

REFER TO SHEET "A-4.05N" FOR PROJECT SPECIFIC

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

~~FIRE RATED DETAIL SCHEDULE~~

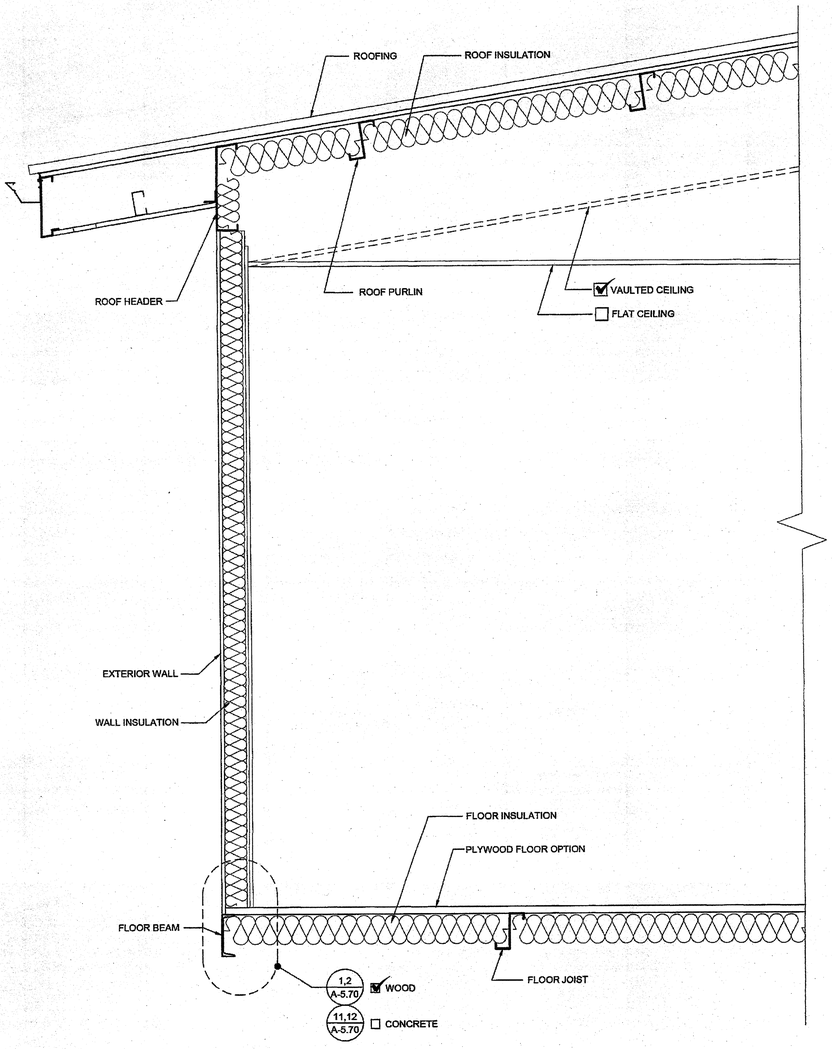
FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

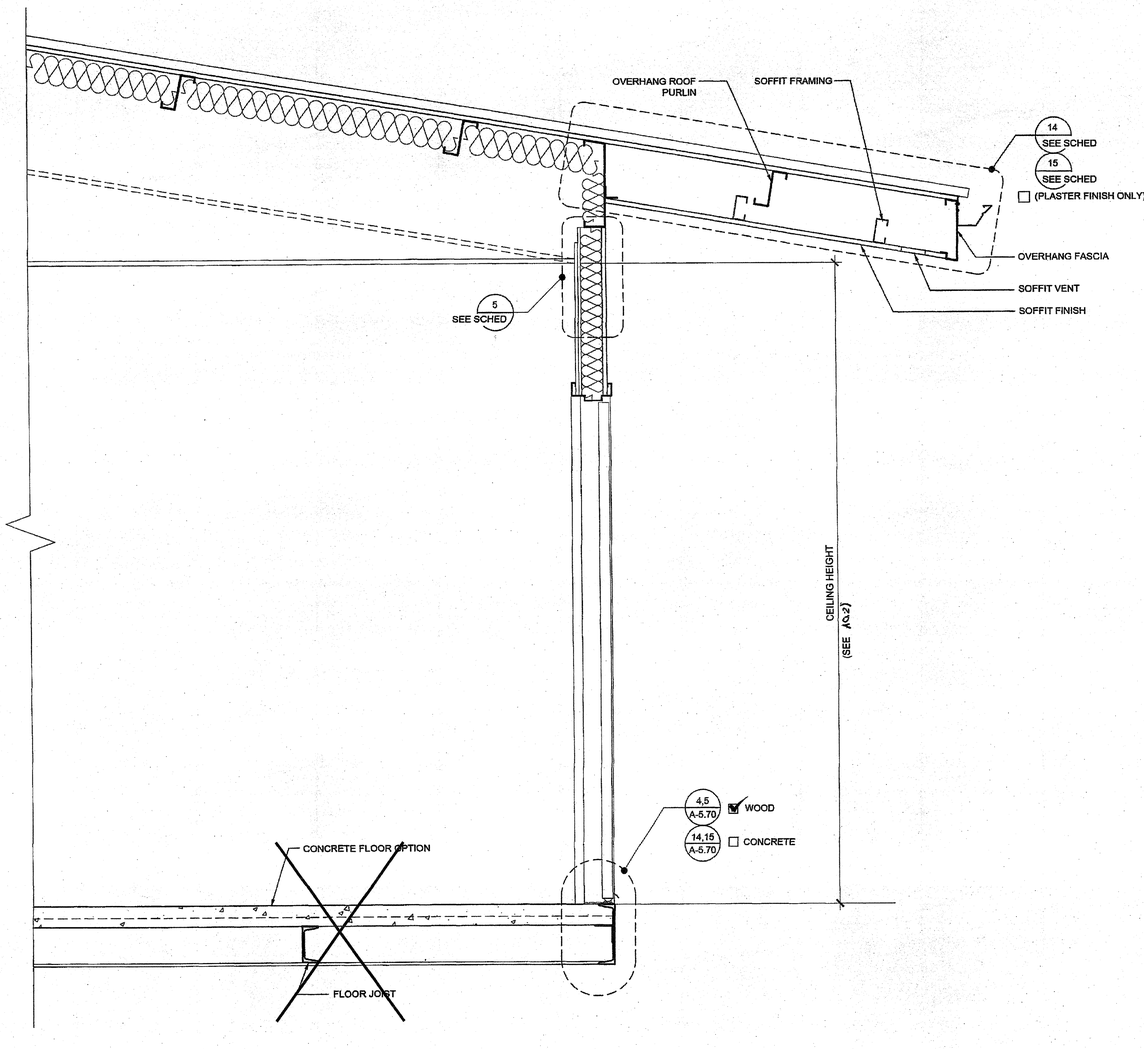
FLOOR OPTION

☑ WOOD FLOOR	
☐ CONCRETE FLOOR	

NOTES

MOISTURE PROTECTION AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS, SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.





BUILDING SECTION

SCALE: 1" = 1'-0" | 1

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SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

CROSS SECTION
DUAL SLOPE
~~0.018" OR BUILT UP~~ ROOF DECK

LICENSED ARCHITECT JOSEPH SILVEY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC ✓ FLS ✓ SS
Date MAY 22 2018

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01 117390
AC — FLS — SS~~
DATE APR 26 2018

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PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

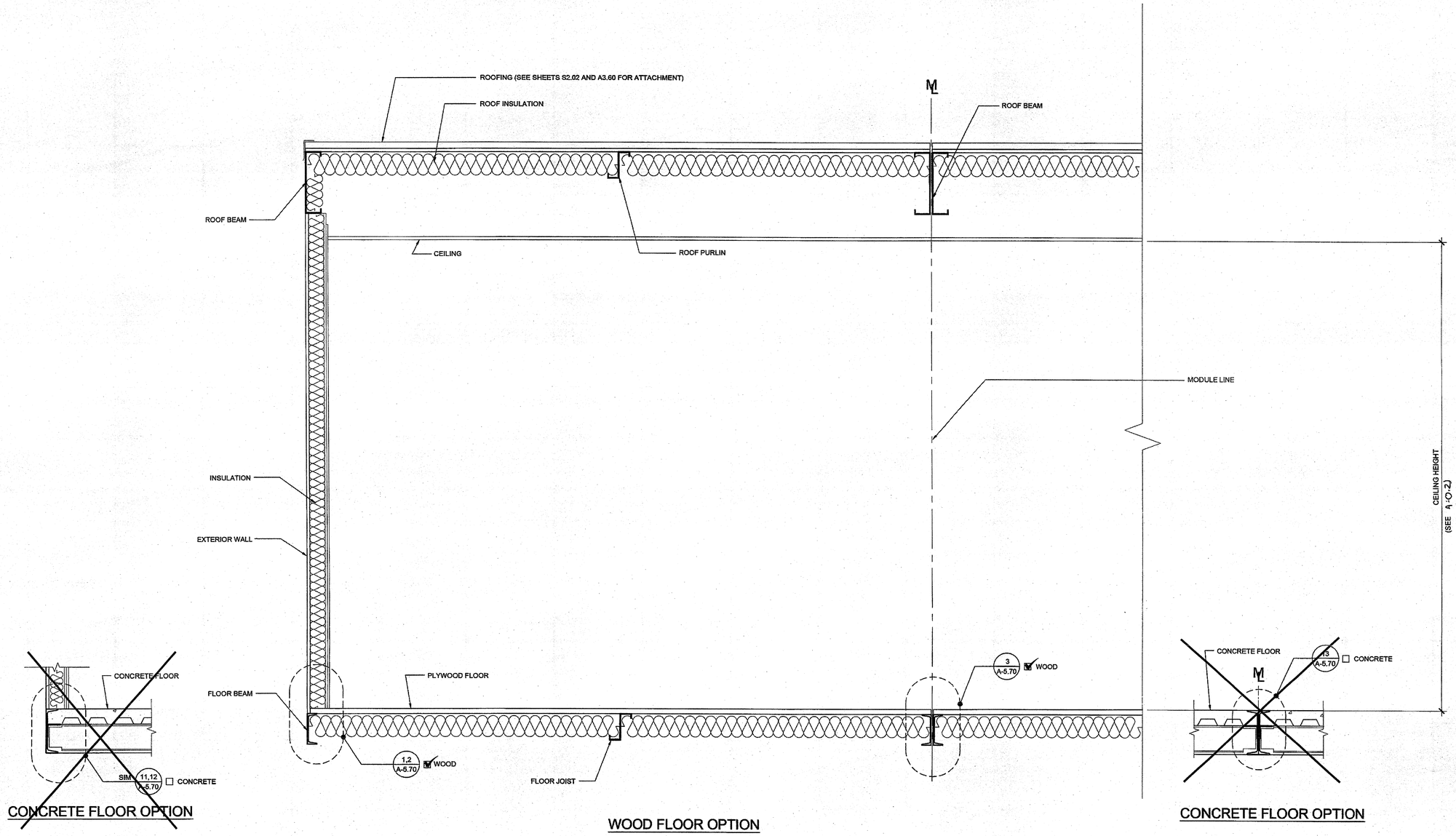
A-5.02

NOTES

1. MOISTURE PROTECTION AND CAULKING:
   GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
   MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
   APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
   COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.

FLOOR OPTION

- [x] WOOD FLOOR
- [ ] CONCRETE FLOOR



CONCRETE FLOOR OPTION

WOOD FLOOR OPTION

CONCRETE FLOOR OPTION

BUILDING SECTION

SCALE: 1" = 1'-0" | 1

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

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BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

CROSS SECTION

LICENSED ARCHITECT
JACK E. SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

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SUBMISSION DATE

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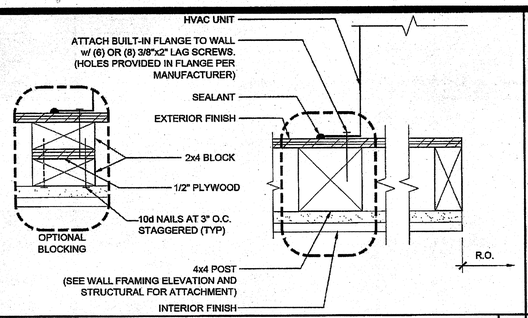
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

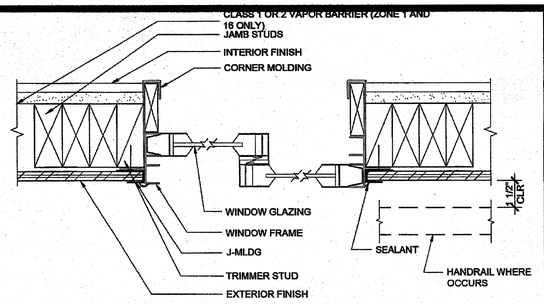
P.C. SHEET NUMBER

A-5.05



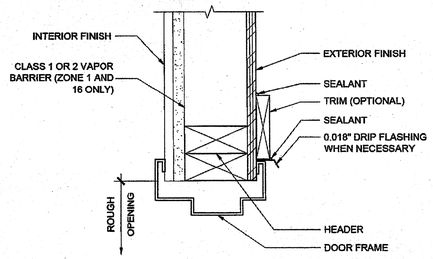
HVAC MOUNT AT JAMBS

SCALE : 3"=1'-0" | 16



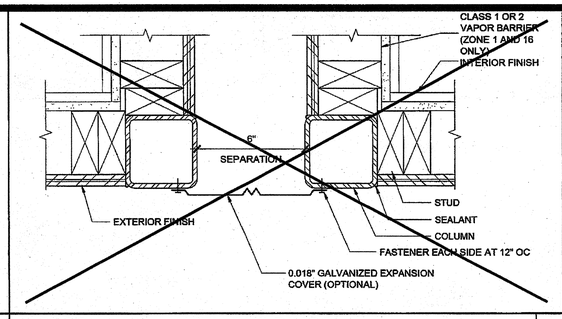
WINDOW SECTION AT JAMBS

SCALE : 3"=1'-0" | 11



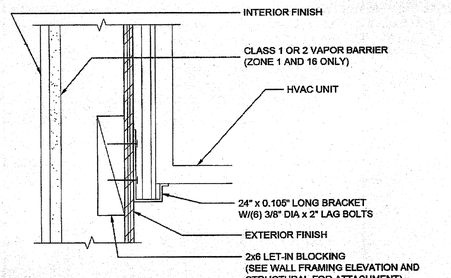
EXTERIOR DOOR HEADER

SCALE : 3"=1'-0" | 6



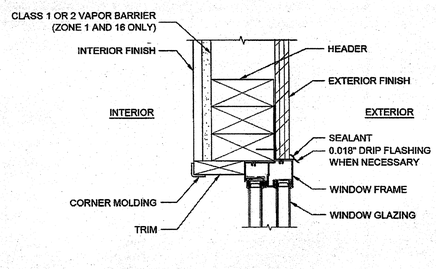
CLOSURE BETWEEN BUILDINGS

SCALE : 3"=1'-0" | 1



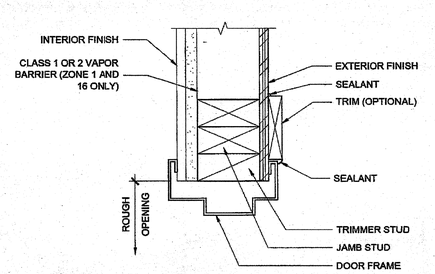
HVAC UNIT AT BOTTOM

SCALE : 3"=1'-0" | 17



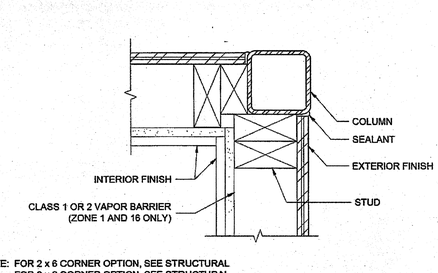
WINDOW HEADER

SCALE : 3"=1'-0" | 12



EXTERIOR DOOR JAMB

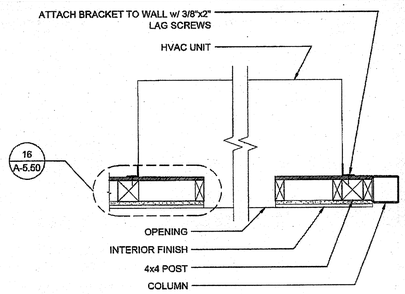
SCALE : 3"=1'-0" | 7



NOTE: FOR 2 x 6 CORNER OPTION, SEE STRUCTURAL
FOR 2 x 8 CORNER OPTION, SEE STRUCTURAL

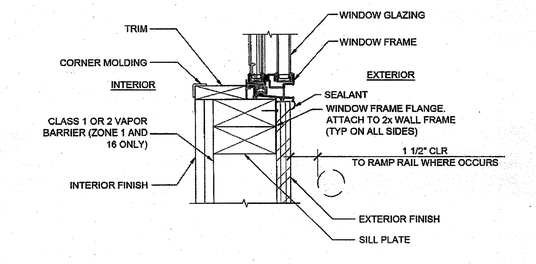
COLUMN AT CORNER

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



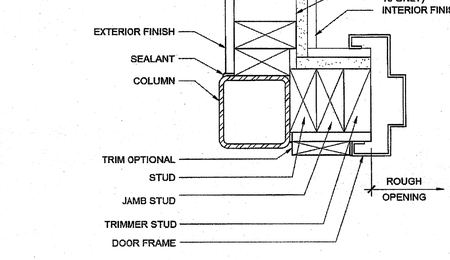
HVAC UNIT (PLAN)

SCALE : 1"=1'-0" | 18



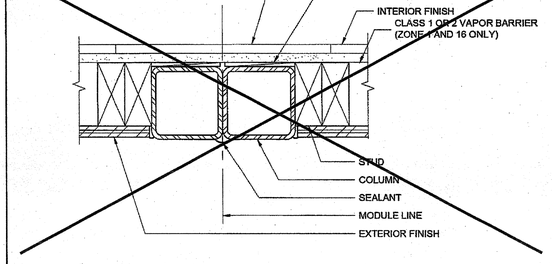
WINDOW SILL

SCALE : 3"=1'-0" | 13



EXTERIOR DOOR JAMB

SCALE : 3"=1'-0" | 8

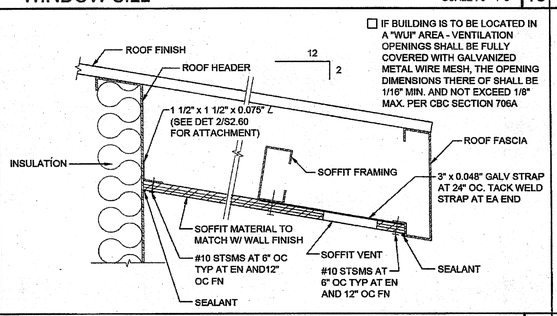


COLUMN AT MODULE LINE (FULL PANEL CLOSE-UP)

SCALE : 3"=1'-0" | 3

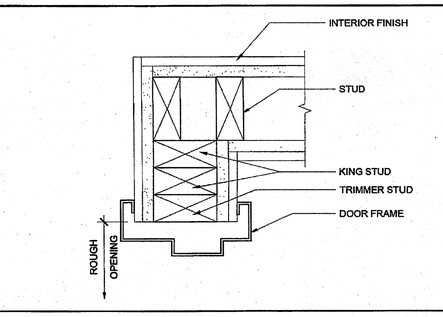
NOT USED

19



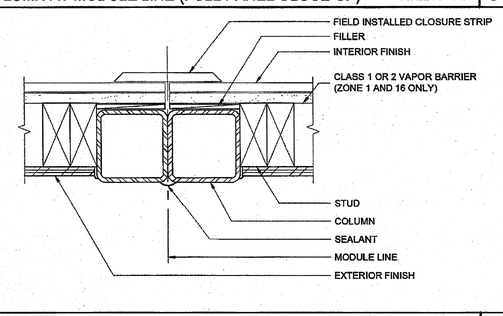
SOFFIT AT ROOF HEADER WITH VENT

SCALE : 3" = 1'-0" | 14



INTERIOR DOOR JAMB

SCALE : 3"=1'-0" | 9



COLUMN AT MODULE LINE (CLOSURE STRIP)

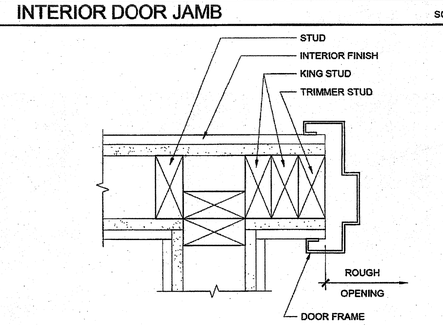
SCALE : 3"=1'-0" | 4

NOT USED

20

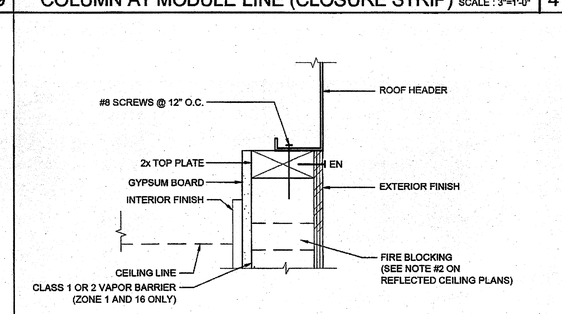
NOT USED

15



INTERIOR DOOR JAMBS

SCALE : 3"=1'-0" | 10



TOP PLATE AT ROOF HEADER

SCALE : 3" = 1'-0" | 5

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ARCHITECTURAL DETAILS
WOOD STUD - SHTG

LICENSED ARCHITECT — JOHN R. SILVEY III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117380
AC FLS SS DW
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAF
DATE AUG - 4 2015

REVISIONS

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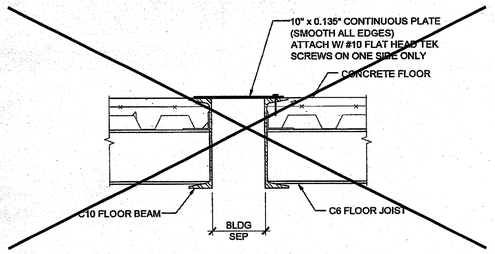
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

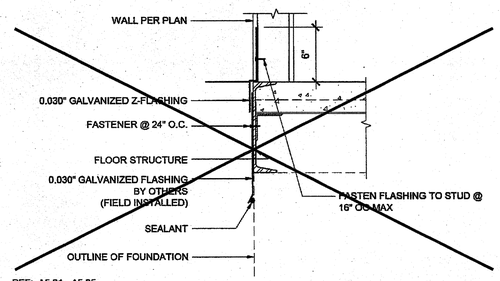
P.C. SHEET NUMBER

A-5.50



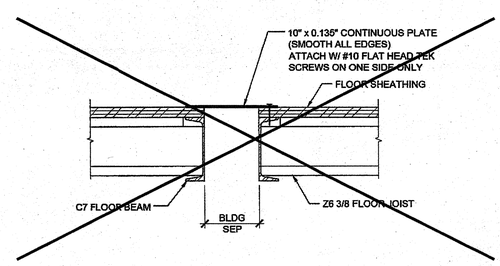
REF: A1.03

FLOOR AT SEPARATION (CONCRETE FLR) SCALE : 1 1/2"=1'-0" | 16



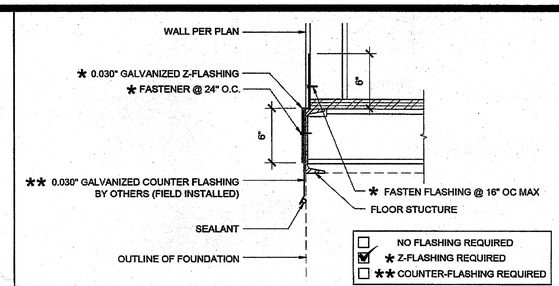
REF: A5.01 - A5.05

SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" | 11



REF: A1.03

FLOOR AT SEPARATION (WOOD FLOOR) SCALE : 1 1/2"=1'-0" | 6



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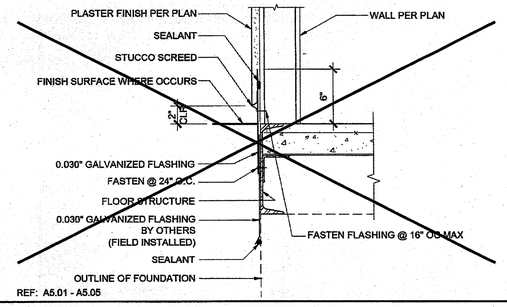
SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" | 1



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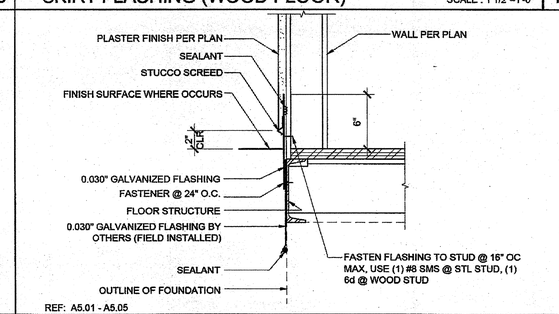
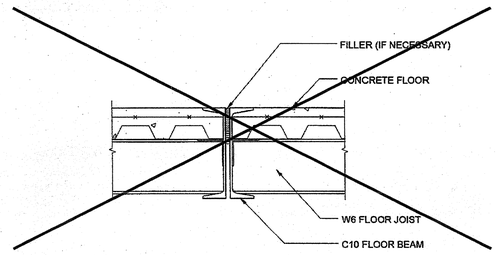
SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" | 12

7



REF: A5.01 - A5.05

SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" | 2



REF: A1.01 - A1.03

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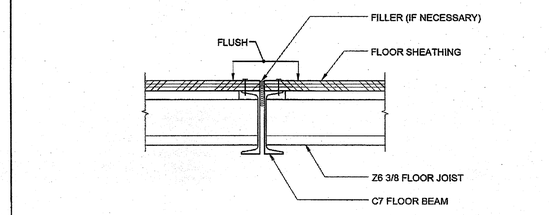
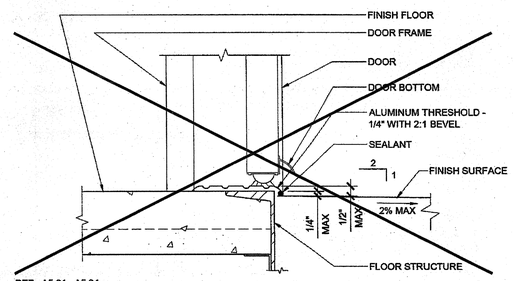
FLOOR AT MODLINE (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" | 13

8



REF: A1.01 - A1.03

FLOOR AT MODLINE (WOOD FLOOR) SCALE : 1 1/2"=1'-0" | 3

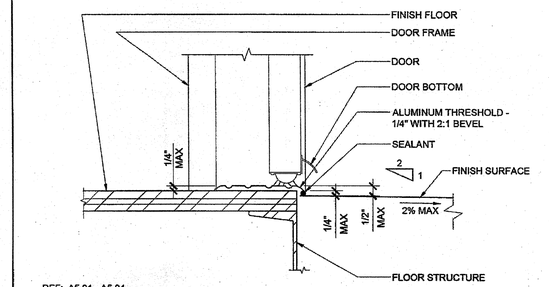


REF: A5.01 - A5.04

19

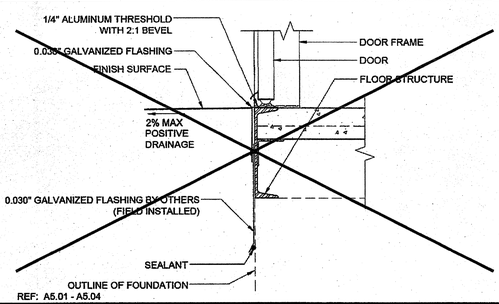
THRESHOLD SCALE : 3"=1'-0" | 14

9



REF: A5.01 - A5.04

THRESHOLD SCALE : 3"=1'-0" | 4



REF: A5.01 - A5.04

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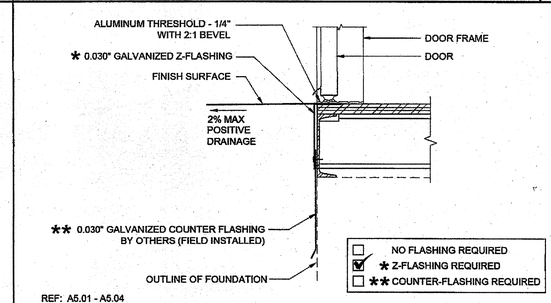
TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" | 15

10



REF: A5.01 - A5.04

TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE : 1 1/2"=1'-0" | 5

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ARCHITECTURAL DETAILS
FLOOR

LICENSED ARCHITECT
JOSEPH F. SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117380
AC KSA FLS SS DN
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC KSA FLS SS RAF
DATE AUG - 4 2015

REVISIONS

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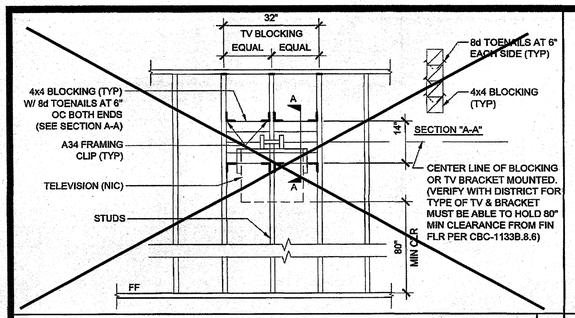
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

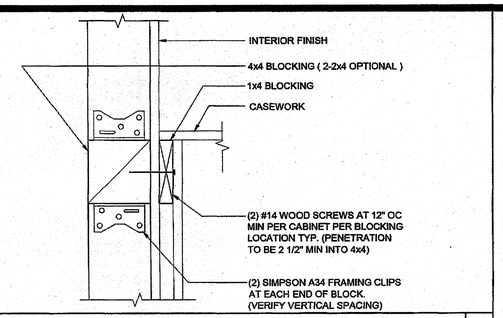
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

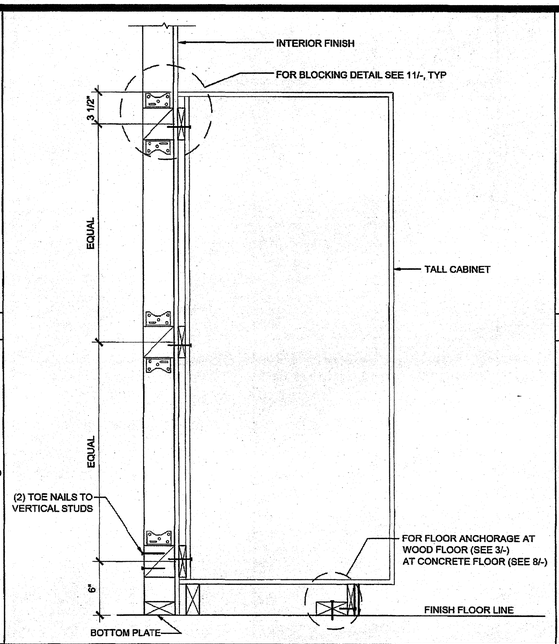
A-5.70



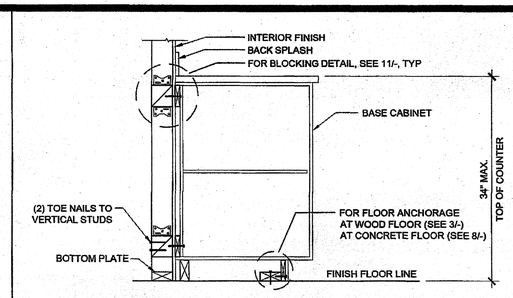
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE : 1/2" = 1'-0" 16



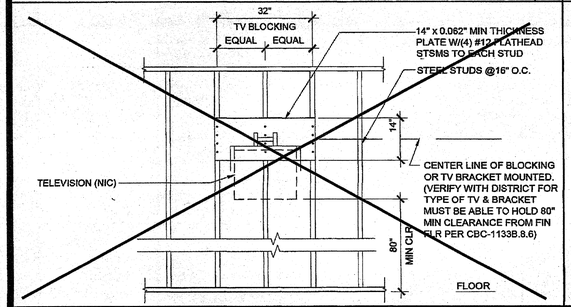
ATTACHMENT TO BLOCKING AT WOOD STUD SCALE : 3" = 1'-0" 11



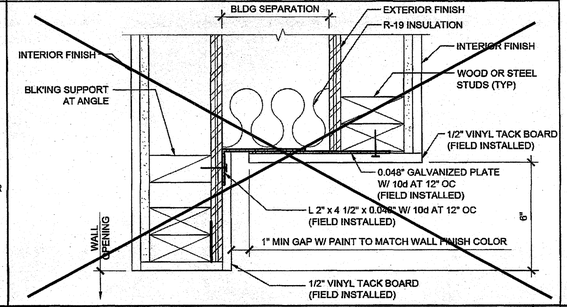
TALL CABINET WALL ANCHORAGE AT WOOD STUD SCALE : 1 1/2" = 1'-0" 7



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

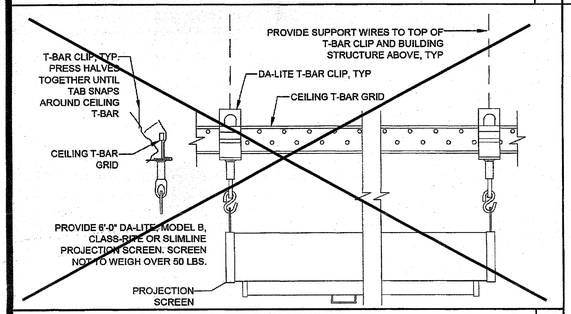


T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE : 1/2" = 1'-0" 17

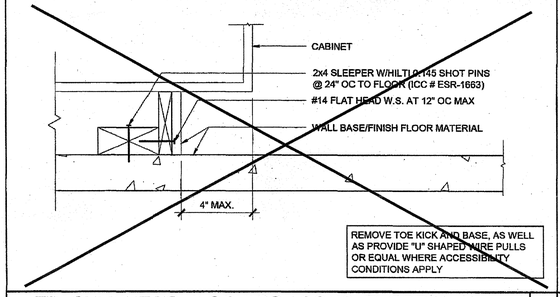


WALL OPENING AT HEADER AND JAMB SCALE : 3"=1'-0" 12

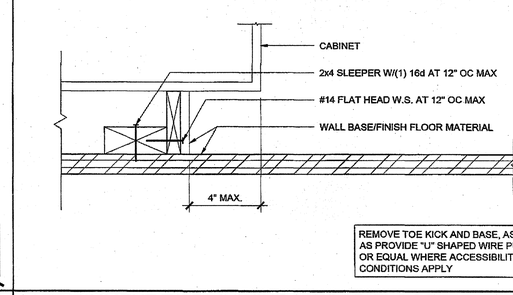
WALL HUNG ANCHORAGE CABINET AT WOOD STUD SCALE : 1 1/2" = 1'-0" 2



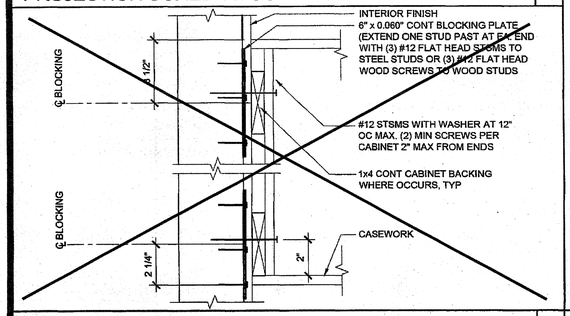
PROJECTION SCREEN MOUNTING SCALE : NTS 18



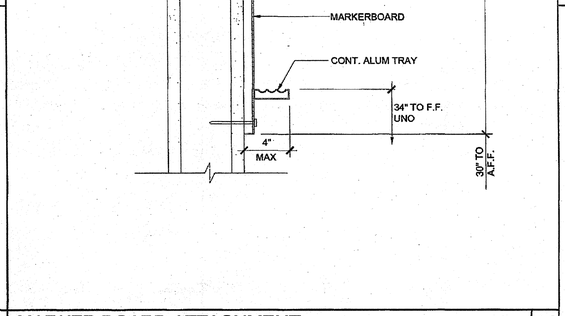
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE : 3" = 1'-0" 8



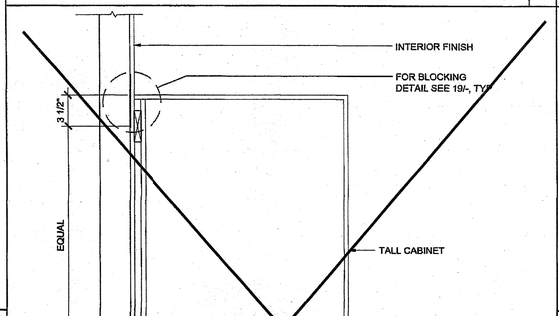
ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE : 3" = 1'-0" 3



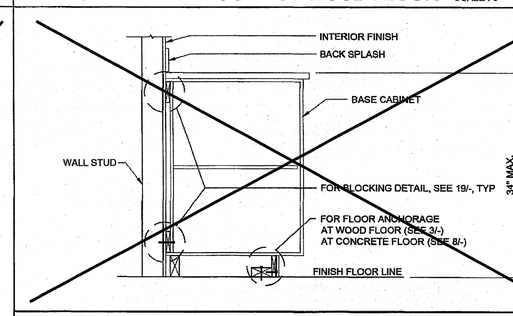
ATTACHMENT TO BLOCKING SCALE : 3" = 1'-0" 19



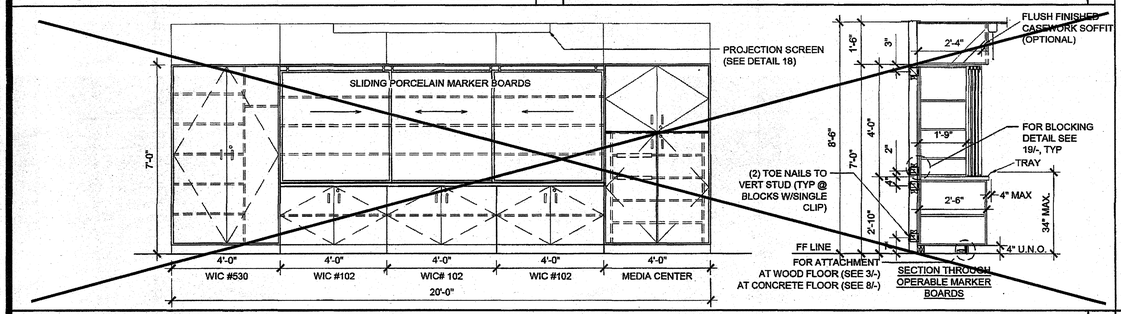
MARKER BOARD ATTACHMENT SCALE : 3" = 1'-0" 14



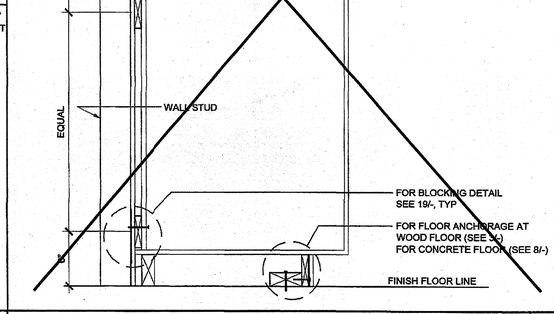
TALL CABINET WALL ANCHORAGE SCALE : 1 1/2" = 1'-0" 10



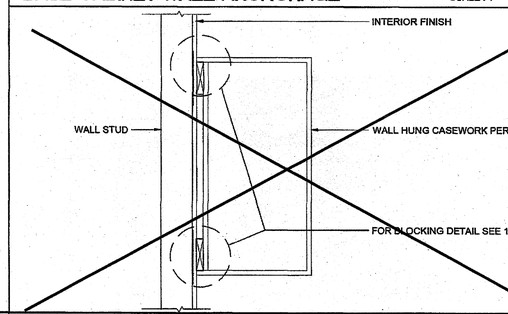
BASE CABINET WALL ANCHORAGE SCALE : 1" = 1'-0" 4



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



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



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

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"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ARCHITECTURAL DETAILS
MISCELLANEOUS/OPTIONS

LICENSED ARCHITECT JACK R. SHIVELY III C-33457 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 117340
AC FLS SS DAV
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION & PERMIT IS REQUIRED FOR CONSTRUCTION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC DAV FLS SS RAF
DATE AUG - 4 2015

REVISIONS

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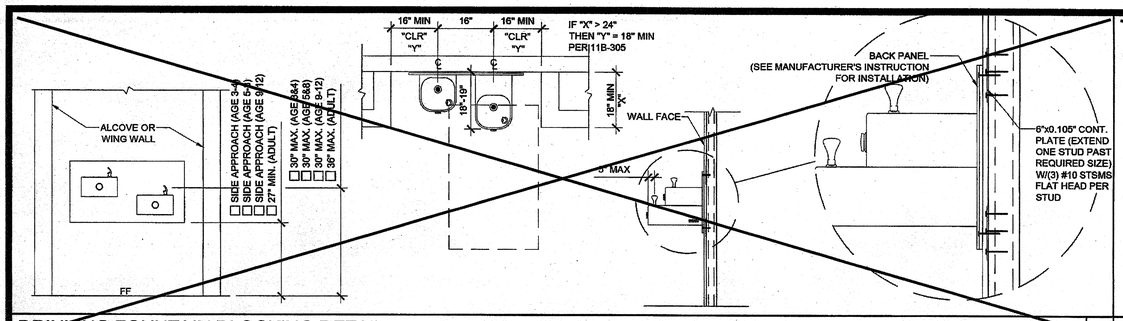
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

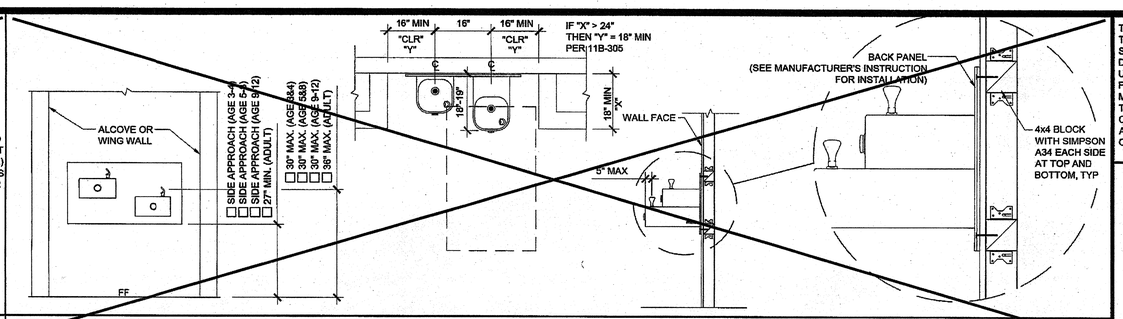
P.C. SHEET NUMBER

A-5.80



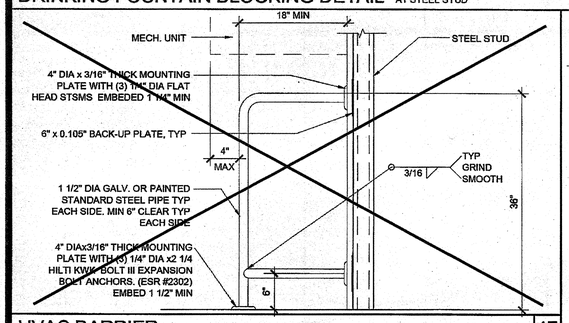
DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD

SCALE : 1/2" = 1'-0" | 11



DRINKING FOUNTAIN BLOCKING DETAIL AT WOOD STUD

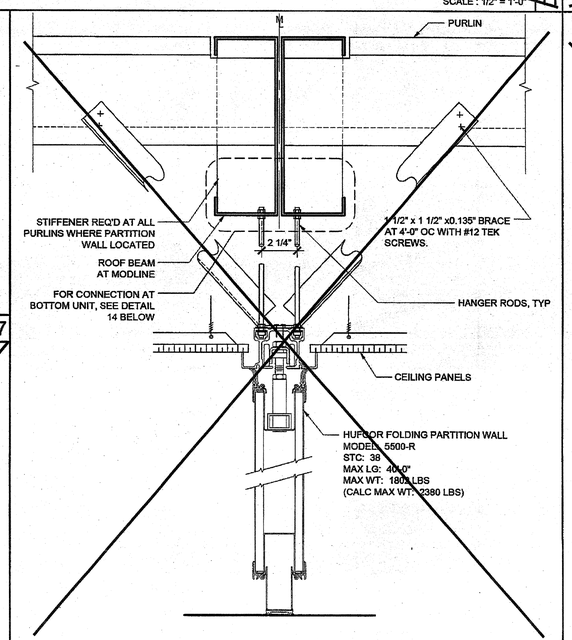
SCALE : 1/2" = 1'-0" | 1



HVAC BARRIER

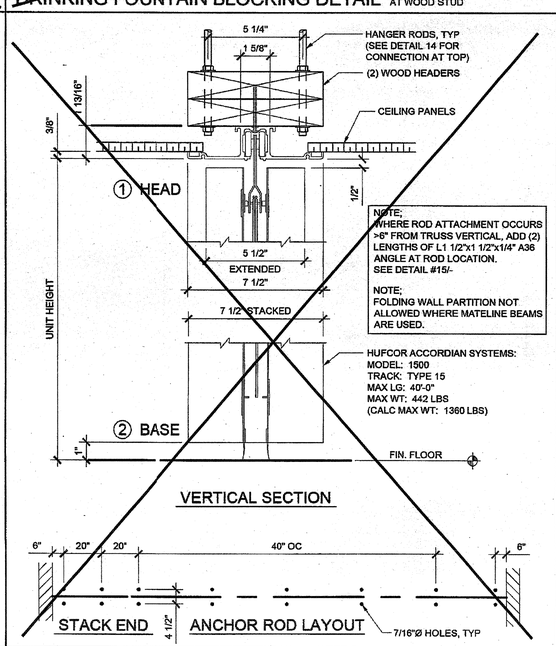
AT STEEL STUD

SCALE : 1" = 1'-0" | 17



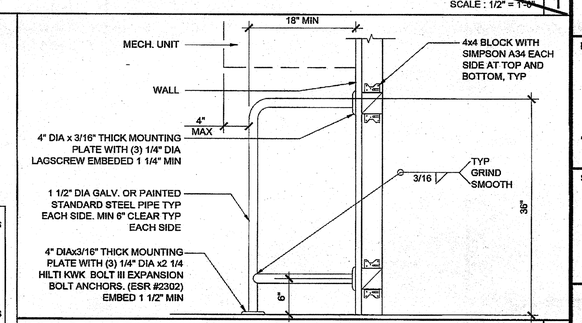
FOLDING WALL PARTITION ATTACHMENT

SCALE : 3" = 1'-0" | 13



ACCORDION PARTITION ATTACHMENT

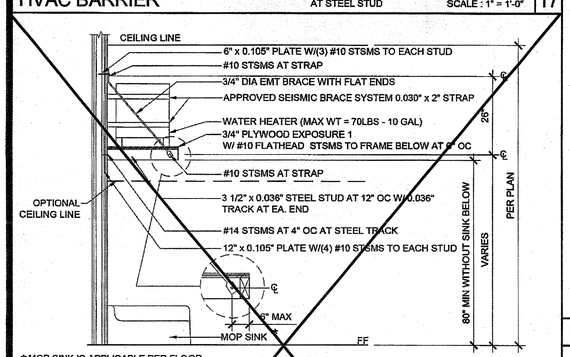
SCALE : 3" = 1'-0" | 8



HVAC BARRIER

AT WOOD STUD

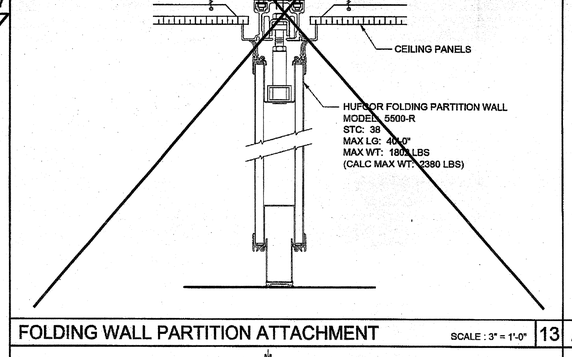
SCALE : 1" = 1'-0" | 2



WATER HEATER SHELF

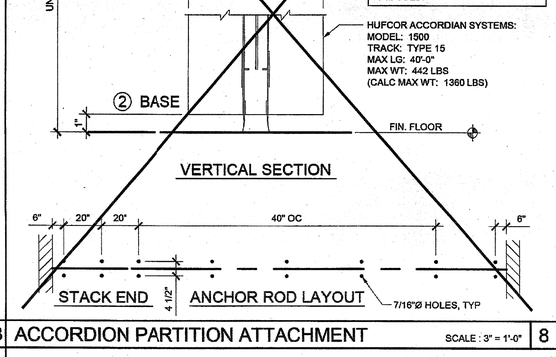
AT STEEL STUD

SCALE : 1/2" = 1'-0" | 19



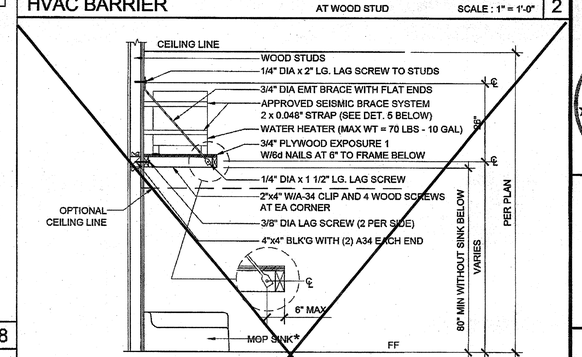
ACCORDIAN PARTITION - TOP CONN TO ROOF BEAMS

SCALE : 1 1/2" = 1'-0" | 14



PIPE PENETRATION THROUGH ROOF

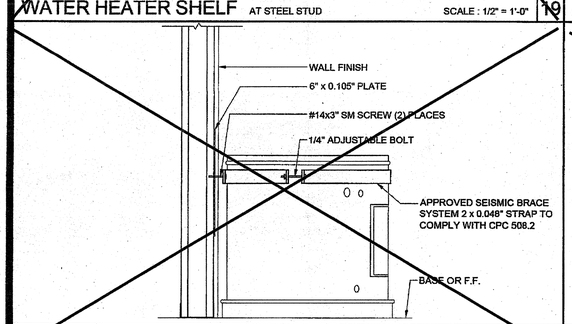
SCALE : 3"=1'-0" | 10



WATER HEATER SHELF

AT WOOD STUD

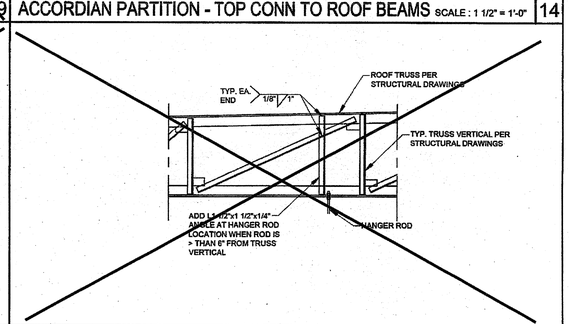
SCALE : 1/2" = 1'-0" | 4



WATER HEATER BRACING

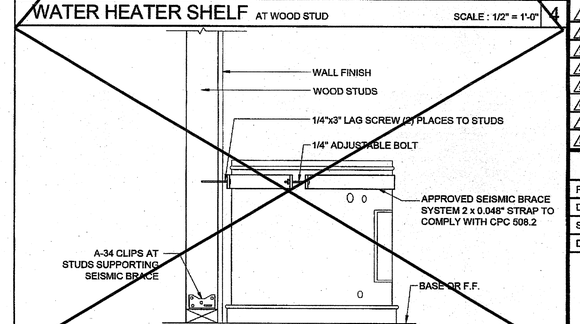
AT STEEL STUD

SCALE : 1 1/2" = 1'-0" | 20



TRUSS SUPPORT @ HANGER ROD

15



WATER HEATER BRACING

AT WOOD STUD

SCALE : 1 1/2" = 1'-0" | 6

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

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ARCHITECTURAL DETAILS
MISCELLANEOUS/OPTIONS

LICENSED ARCHITECT
JACK K. SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC ✓ FLS ✓ SS ✓
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
BY 117300
ACS 0214 FLS SS DAV
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 3010 1300
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PC 04-114102
AC FLS SS P-PE
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REVISIONS

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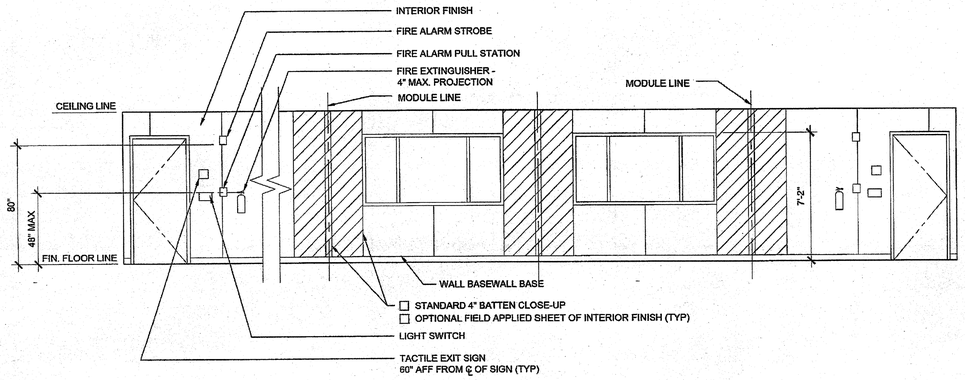
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

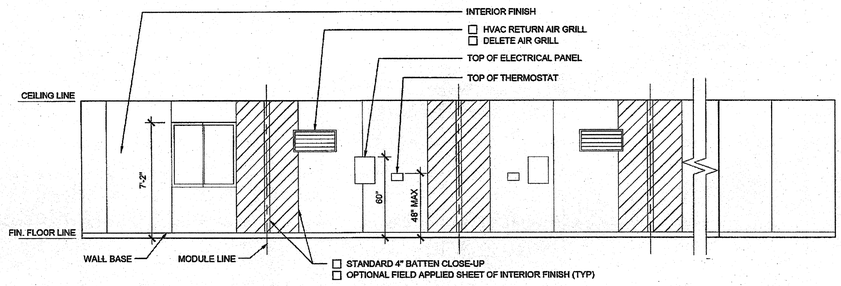
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

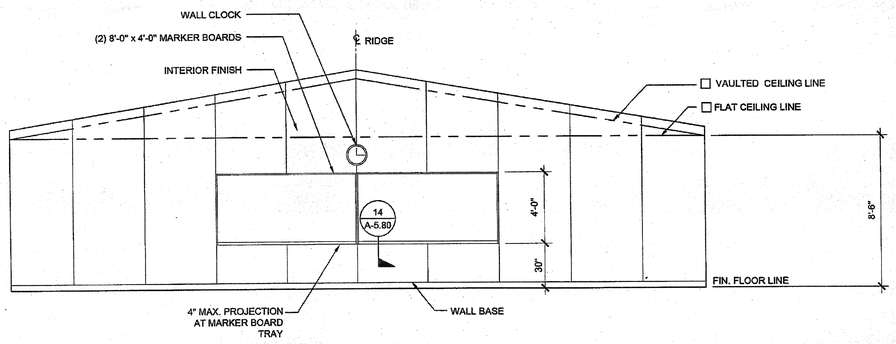
A-5.81



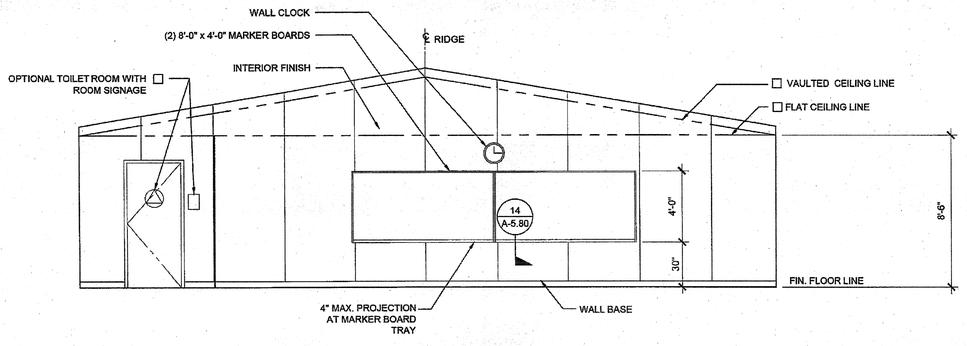
FRONT ELEVATION — SCALE: 1/4" = 1' - 0" | 3



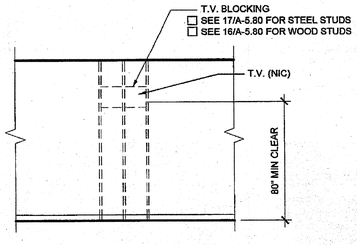
REAR ELEVATION — SCALE: 1/4" = 1' - 0" | 1



SIDE ELEVATION — SCALE: 1/4" = 1' - 0" | 4



SIDE ELEVATION — SCALE: 1/4" = 1' - 0" | 2



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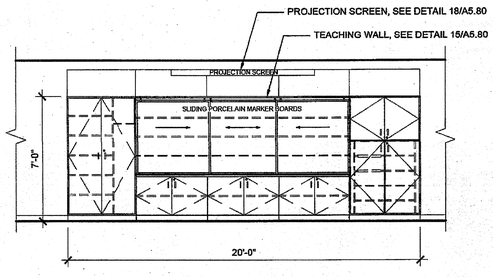
TELEVISION BLOCKING OPTION — SCALE: 1/4" = 1' - 0" | C



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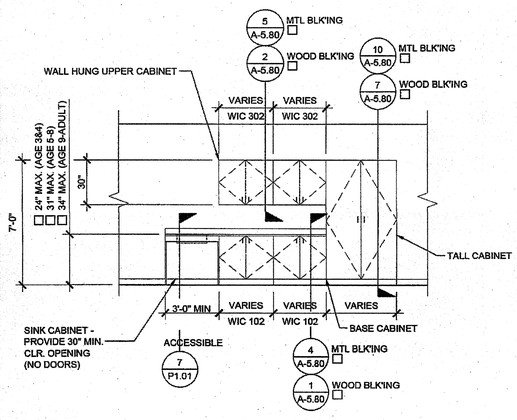
TEACHING WALL OPTION — SCALE: 1/4" = 1' - 0" | B



REF: A1.03

CASEWORK OPTION — SCALE: 1/4" = 1' - 0" | A

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SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

INTERIOR ELEVATION
48' TO 120' x 40'

LICENSED ARCHITECT — JOHN F. SHIVELY III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACC RAM FLS SS DW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
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REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

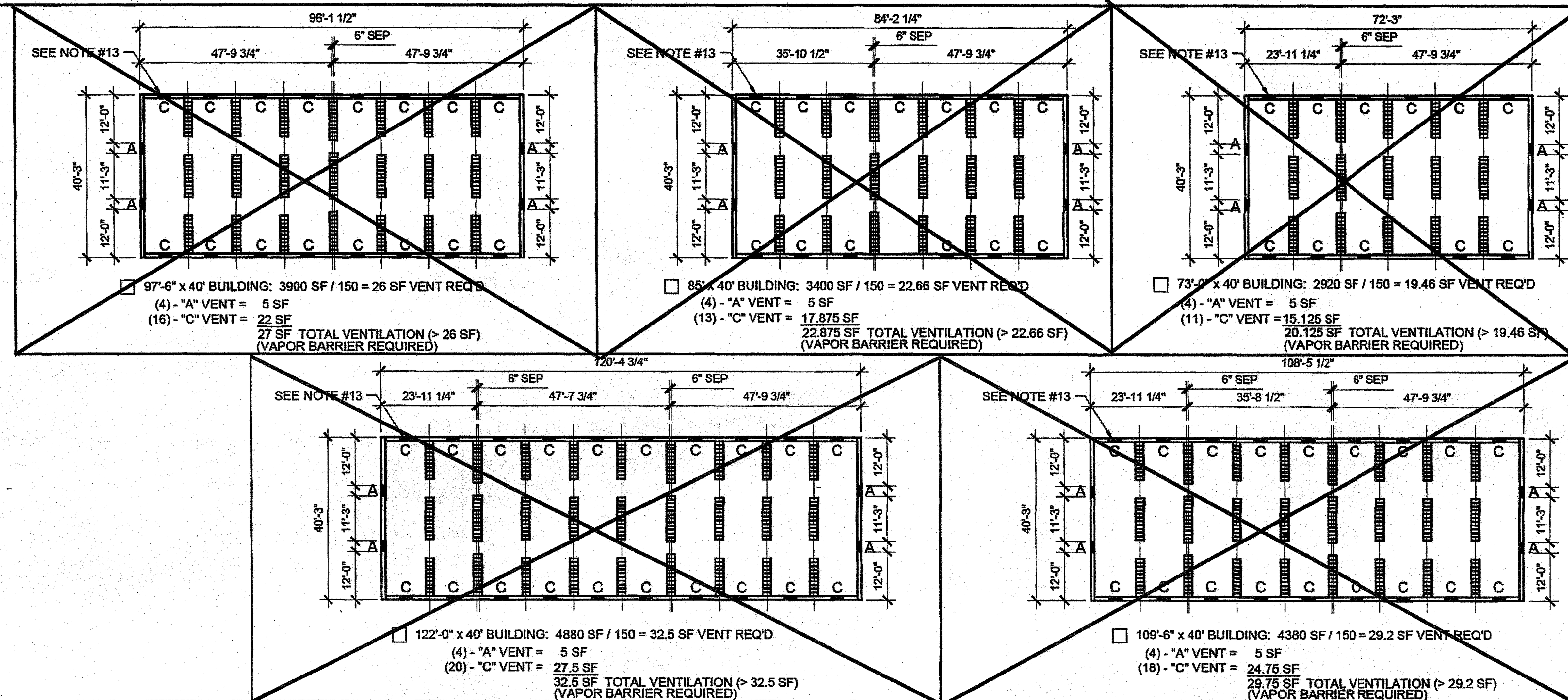
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

A-6.03

REFER TO SHEET "A-6.03N" FOR PROJECT SPECIFIC

KEY PLAN VENTING CALCULATIONS w/o PARAPET



WOOD FOUNDATION PLATE SCHEDULE

100 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL: SEPARATE BLDGS	SEPARATION PAD AT ENDWALL: ONE BLDG	SEPARATION PAD AT INTERIOR: SEPARATE BLDGS	SEPARATION PAD AT INTERIOR: ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x10	2x10	(2) ROWS OF 2x8	2x12	(2) ROWS OF 2x8	2x12
SILL	2x14	2x14	(11) 2x12 x 2'-0"	(10) 2x12 x 2'-0"	(2) ROWS OF 2x14	(12) 2x12 x 2'-0"	(2) ROWS OF 2x14	(12) 2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 2'-6" x 6" = 1.25 S.F. VENTILATION

"VENT OPENING AT SILL AND BLOCK PLATES"

VENT "B" (ENDWALL): 2'-9" x 3" = 0.68 S.F. VENTILATION

(OPTIONAL AT MULTPLE BLDG SETS)

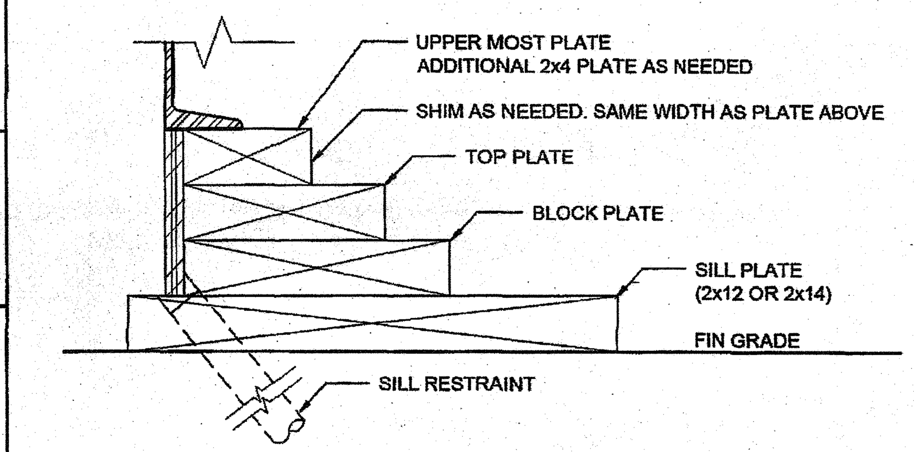
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "C" (ENDWALL): 2'-9" x 6" = 1.375 S.F. VENTILATION

(OPTIONAL AT MULTPLE BLDG SETS)

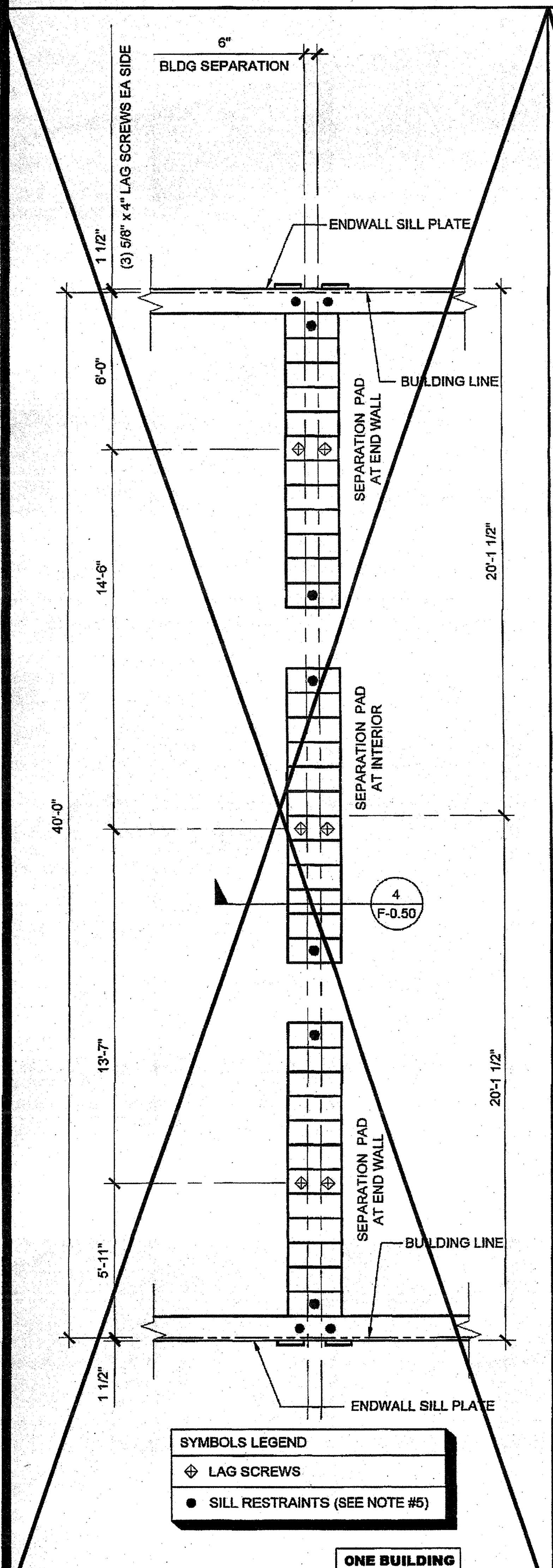
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

FOUNDATION PLATE DESCRIPTION

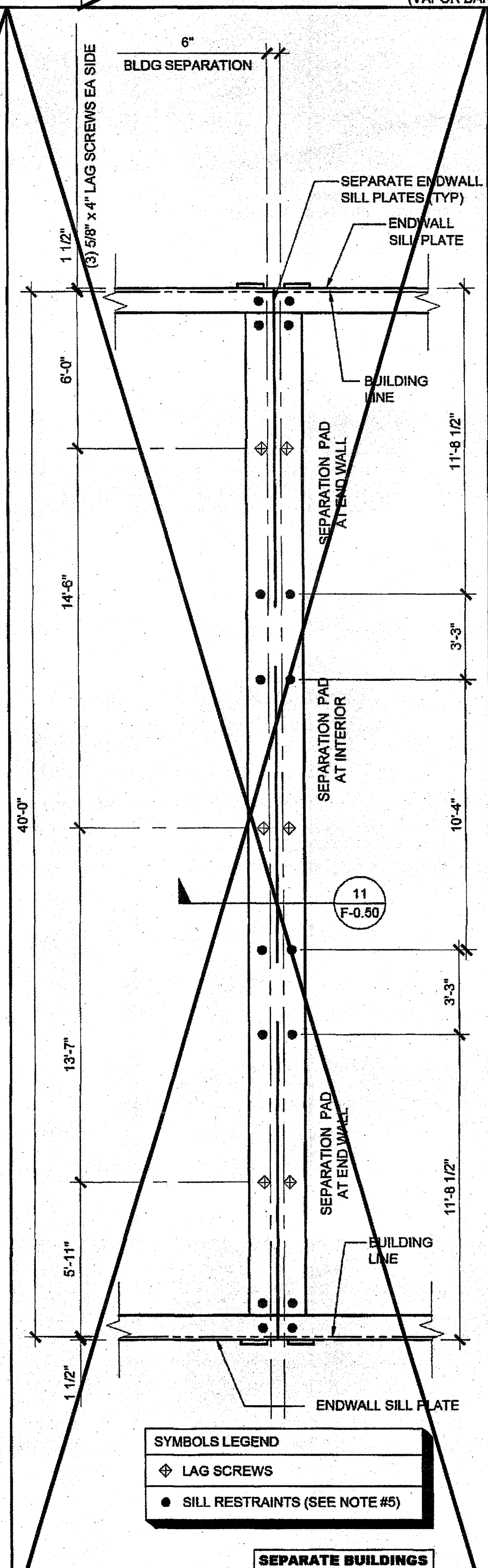


NOTES

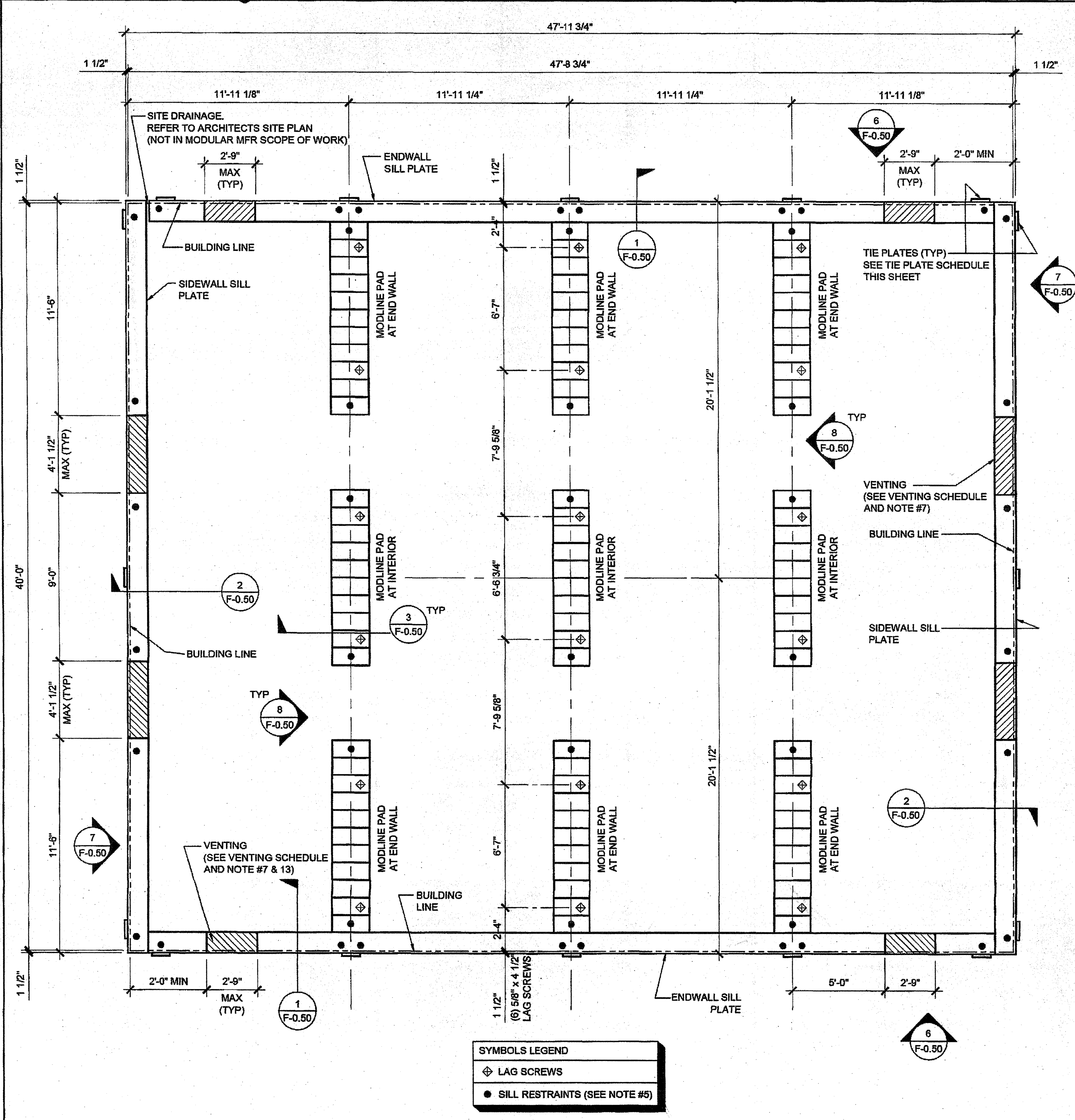
1. BUILDINGS OVER 2160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. 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.
5. 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.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
7. 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.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
    THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(2).
    MATERIALS:
    GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
    INSTALLATION RECOMMENDATIONS:
    OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE
14. 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
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
17. 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.



FOOTING AT SEP — SCALE: 1/4" = 1'-0" — 3



FOOTING AT SEP — SCALE: 1/4" = 1'-0" — 2



FOUNDATION PLAN — SCALE: 1/4" = 1'-0" — 1

NAILING SCHEDULE

BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
48' x 40'	8" OC AT ENDWALL - 1 / F-0.50 18" OC AT SIDEWALL - 2 / F-0.50 12" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
48' x 40'	1920 SF	12.8 SF (1/150)	4.125' x 6" = (4) 2.06 SF/ EA (8.24 SF TOTAL)	2'-9" x 6" = (4) 1.37 SF/ EA (5.48 SF TOTAL)	13.72 SF SEE NOTE #8

TIE PLATE SCHEDULE

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
48' x 40'	3	5	16

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

WOOD FOUNDATION PLAN
48x40
(100 PSF)

R S TAVARES ASSOCIATES
DESIGN CONSULTING PROJECT MGT
16875 W. BERNARDO DR. SUITE 285 SAN DIEGO, CA 92127 858.444.3844
WWW.RSTAVARES.COM

LICENSED ARCHITECT JACK F. SHIVELY III No. C-33467 01-31-17 RENEWAL DATE STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER D. FRISCH No. S3380 STRUCTURAL STATE OF CALIFORNIA

RST# 14217

06/15/15

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC / FLS / SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117390
ACS — FLS — SS
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

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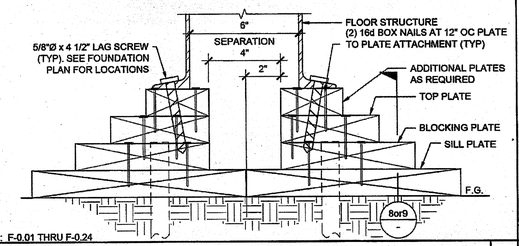

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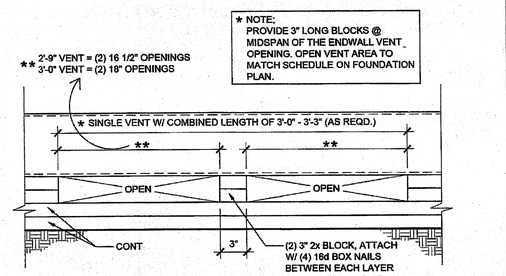
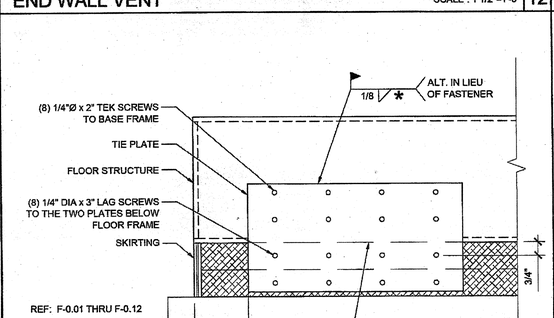
16 FOUNDATION AT ADJACENT BUILDING SCALE : 3"=1'-0"



17 END WALL VENT SCALE : 1 1/2"=1'-0"



REF: F-0.01 THRU F-0.12

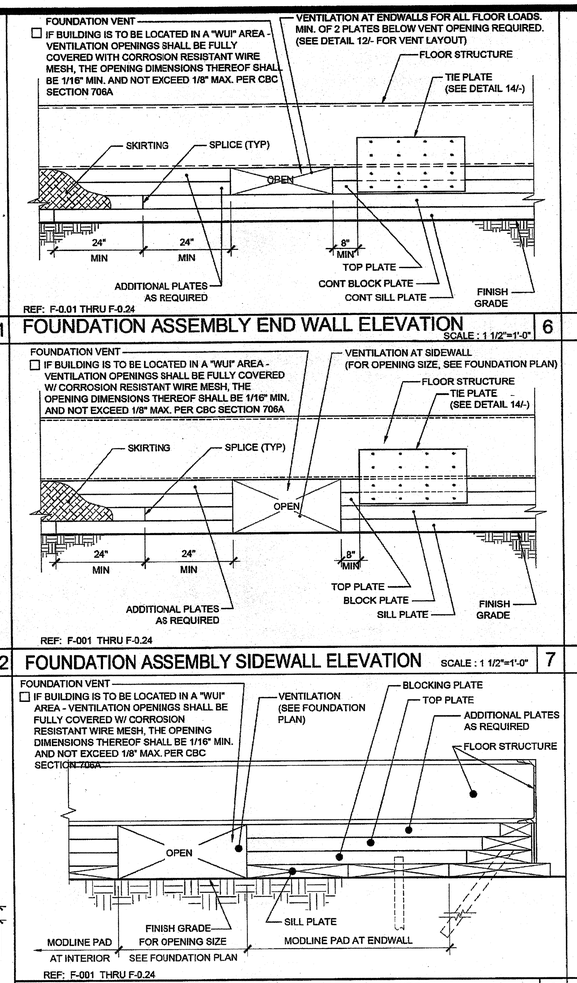
18

REF: F-0.01 THRU F-0.24

19 TIE PLATE SCALE : 3"=1'-0"

REF: F-0.01 THRU F-0.24 OPTIONAL

20 FOUNDATION ANCHORAGE AT CONCRETE PAD SCALE : 3"=1'-0"



REF: F-0.01 THRU F-0.24

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

REF: F-001 THRU F-0.24

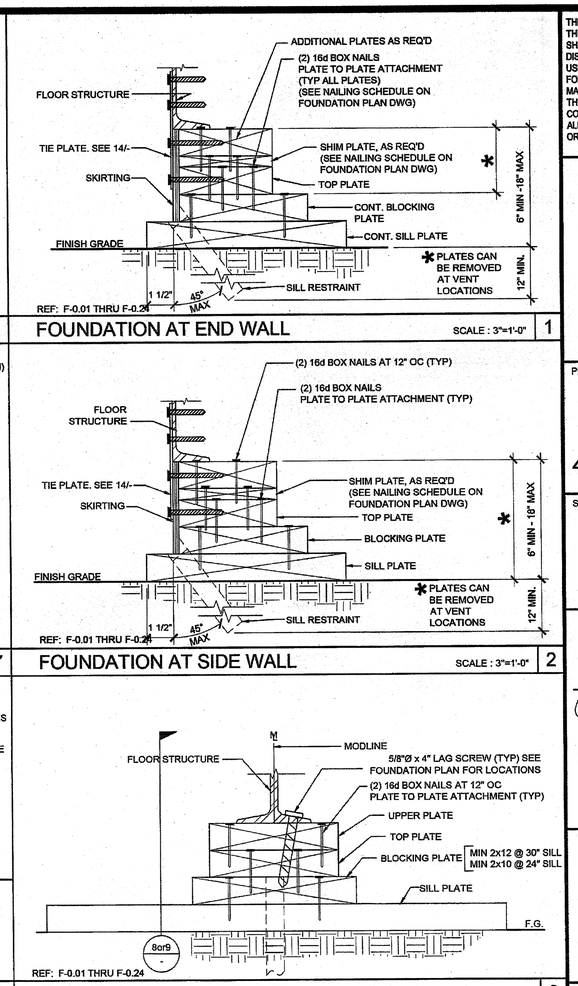
12 FOUNDATION ASSEMBLY SIDEWALL ELEVATION SCALE : 1 1/2"=1'-0"

REF: F-001 THRU F-0.24

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

REF: F-0.04, F-0.14, F-0.24

9 VENT ELEV. AT MODLINE & SEP FOR 150 PSF SCALE : 3"=1'-0"



REF: F-0.01 THRU F-0.24

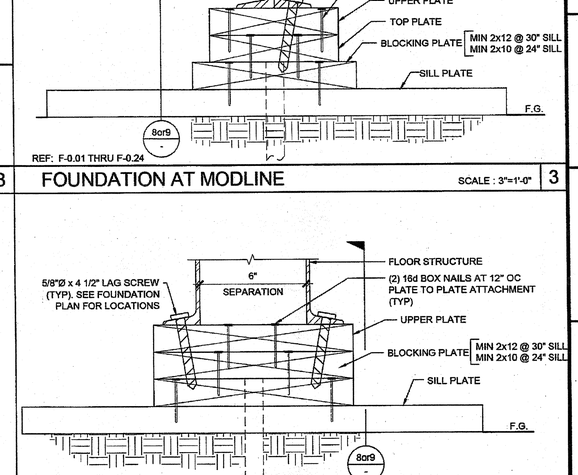
3 FOUNDATION AT MODLINE SCALE : 3"=1'-0"

REF: F-0.01 THRU F-0.24

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

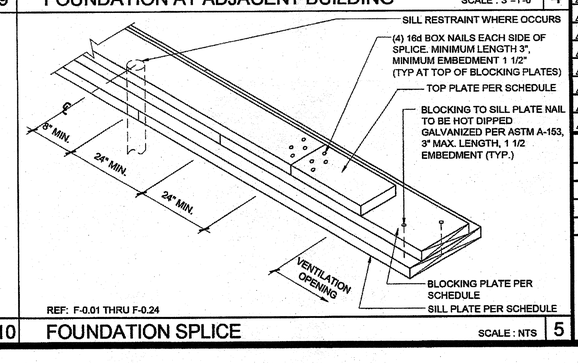
REF: F-0.01 THRU F-0.24

2 FOUNDATION AT SIDE WALL SCALE : 3"=1'-0"



REF: F-0.01 THRU F-0.24 OPTIONAL

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



REF: F-0.01 THRU F-0.24 OPTIONAL

10 CRAWLSPACE VAPOR RETARDER SCALE : 3"=1'-0"

REF: F-0.01 THRU F-0.24

5 FOUNDATION SPLICE SCALE : NTS

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PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

FOUNDATION DETAILS
WOOD

TAVARES ASSOCIATES
DESIGN/DISTRIBUTION/FINDUSTRY NOT
1875 W. BERNARDO DR. SUITE 103
San Diego, CA 92127 858.442.3944
WWW.ASTAVARES.COM

LICENSED ARCHITECT
JACK F. SHIVELY III
No. C-33487
01-31-17
RENEWAL DATE
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
DAVID P. RISCH
No. S3380
STRUCTURAL
STATE OF CALIFORNIA

RST# 14217

06/15/15

ARCHITECT OF RECORD SUBMISSION DATE

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Date MAY 2 2 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ACS FLS SS 2A
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

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STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS, 1) 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) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. 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 CONRETE FOUNDATIONS WILL BE AS FOLLOWS:

1. FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
2. 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.
   a) ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, CHAPTER 19A.
   b) AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI318-11.
   c) SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.
3. CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND OR INSPECTOR.
4. DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1).
   CONCRETE COMPRESSIVE STRENGTH F'C= 3500 PSI
   WATER-CEMENT RATIO SHALL NOT EXCEED 0.60 BY WEIGHT
   PORTLAND CEMENT TYPE I
   NORMAL WEIGHT
5. FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
6. THE ARCHITECT SHALL APPROVE LOCATION OF:
   a) OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
   b) 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.
7. VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
8. ALL CEMENT SHALL BE TYPE I OR II PER ASTM C-150. (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)
9. WATER CONTENT SHALL NOT EXCEED 7 1/4 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)
10. AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING
11. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.
12. REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
13. CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

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

1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.
3. 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 , IT'S 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.

REINFORCING STEEL:

1. MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 40. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 60.
2. SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.
3. REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".
4. 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	
#5 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
2. TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B, OR A1085
3. PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. OR A1085
4. TUBE STEEL USED FOR RAMPS & STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2013 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, CCR, 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/LBS 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-706. ALL SHOP WELDED 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. * (SEE OPTIONAL PROCESS)

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.

a) FLOOR AND ROOF DECK WELDING.
b) WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
c) WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
d) 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 ONE COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES.

* OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURAL/REBAR (MEETS ALL CHARPY REQUIREMENTS)
E71T-11 FOR METAL DECKING

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

SHEET STEEL 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

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

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.

NDT:
CJP GROOVE WELD NDT
ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP 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 CJP 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-1-07. 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-1-07.

1. PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
2. OPTIONAL PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
3. EXTERIOR WALL SIDING:
   i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
   ii. OPTIONAL: 5/8" MDO
   iii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
4. 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 LESS THAN 18" FROM EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL PER (CBC SECTION 2304.11.2.2).
1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
2. WOOD FASTENERS OTHER THAN SCREWS.
   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.
3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

CONTINUOUS INSPECTION:

PROJECT 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 IDENTIFICATION SHALL CONFORM WITH TITLE 24, SECTION 2203A.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 (fy=46 KSI), ASTM A53 OR A1085 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 ON 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.

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 APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
SPAN RATING 48/24 MIN.
FASTEN TO SHEET METAL SUPPORTS W/ #8 x 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS (ICC ESR-1976) OR 0.145 PACFAST PREFERRED FASTENERS (ICC ESR-2961) 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. NOTE: 0.145 PNEUMATIC FASTENERS OPTION IS NOT ALLOWED ON PARAPET APPLICATIONS (PARAPET HEIGHT) HIGHER THAN 18" OR AT STRUCTURAL STEEL. IE. TRUSSES.

FLOOR DIAPHRAGM:
1 1/8" PLYWOOD - STURD-I-FLOOR
EXTERIOR - TONGUE AND GROOVE EDGES
SPAN RATING: 48"
FASTEN TO SHEET METAL SUPPORTS W/ #8 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS (ICC ESR-1976) OR 0.145 PACFAST PREFERRED FASTENERS (ICC ESR-2961) 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. 0.145 PNEUMATIC FASTENERS (PACFAST PREFERED FASTENERS) OPTION IS NOT ALLOWED APPLICATIONS AT STRUCTURAL STEEL IE FLOOR CHANNELS OR 150 PSF FLOOR LOAD OPTION.

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, 2013 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 14TH 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 ADOPTED 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 CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

NAILING NOTES:
1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
2. 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 / AF&FA NDS-2012, 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[a,m]	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 BLKING 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 PANELS
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
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	END NAIL
9. DOUBLE STUDS	16d (3 1/2"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 12" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3 1/2"x0.135") AT 16" 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 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
22. WIDER THAN 1" x 8" 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	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2 - 20d COMMON (4" x0.192") 3 - 3"x0.131" NAILS	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
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
28. ROOF RAFTERS TO 2-BY RIDGE BEAM	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	TOE NAIL
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	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[b] SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS 6d[c,l] 2 3/8"x0.113" NAIL[n] 1 3/4" 16d GAGE[o] 19/32" TO 3/4" 8d[d] or 6d[e] 2 3/8"x0.113" NAIL 2" 16d GAGE[p] 7/8" TO 1" 8d[c] 1 1/8" TO 1 1/4" 10d[d] or 8d[e]	
SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	3/4" AND LESS 6d[e] 7/8" TO 1" 8d[e] 1 1/8" TO 1 1/4" 10d[d] OR 8d[e]	
32. PANEL SIDING (TO FRAMING)	1/2" AND LESS 6d[f] 5/8" 8d[f]	
33. FIBERBOARD SHEATHING[g]	1/2" NO. 11 GA ROOFING NAIL[h] 6d COMMON NAIL (2"x0.113") 25/32" NO. 11 GA ROOFING NAIL[h] 8d COMMON NAIL (2 1/2"x 0.131")	
34. INTERIOR PANELING	1/4" 4d[j] 3/8" 6d[k]	

FOOTNOTES:
a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
b. NAILS SPACED AT 6" ON CENTER AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX, OR CASING.
c. COMMON OR DEFORMED SHANK (6d - 2" x 0.113" ; 8d - 2 1/2" x 0.131" ; 10d - 3" x 0.148").
d. COMMON (6d - 2" x 0.113" ; 8d - 2 1/2" x 0.131" ; 10d - 3" x 0.148").
e. DEFORMED SHANK (6d - 2" x 0.113" ; 8d - 2 1/2" x 0.131" ; 10d - 3" x 0.148").
f. CORROSION-RESISTANT SIDING (6d - 1 7/8" x 0.106" ; 8d - 2 3/8" x 0.128") OR CASING (6d - 2" x 0.099" ; 8d - 2 1/2" x 0.113") NAIL.
g. FASTENERS SPACED 3" ON CENTER AT EXTERIOR EDGES AND 6" ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6" ON CENTER ON THE EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS.
h. CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING.
i. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING. PANEL SUPPORTS AT 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED). STAPLES ARE NOT PERMITTED FOR WOOD SHEAR WALLS AND DIAPHRAGMS (2305.1.2-4).
j. CASING (1 1/2" x 0.080") OR FINISH (1 1/2" x 0.072") NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
k. PANEL SUPPORTS AT 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
l. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2 1/2" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
m. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16". STAPLES ARE NOT PERMITTED FOR WOOD SHEAR WALLS AND DIAPHRAGMS (2305.1.2-4).
n. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS.
o. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3" ON CENTER AT EDGES, 6" AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
p. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS.

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SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:
STRUCTURAL SPECIFICATIONS

R&S TAVARES ASSOCIATES
DESIGN◆CONSULTING◆PROJECT MGT
16875 W. BERNARDO DR. SUITE 285
SAN DIEGO, CA 92127 858.444.3344
WWW.RSTAVARES.COM

LICENSED ARCHITECT JACK F. SHIVELY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER D. FRISCH No. S3380 STRUCTURAL STATE OF CALIFORNIA
RST# 14217
06/15/15

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS 8)
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117300
AC — FLS — SS DW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

1	
2	
3	
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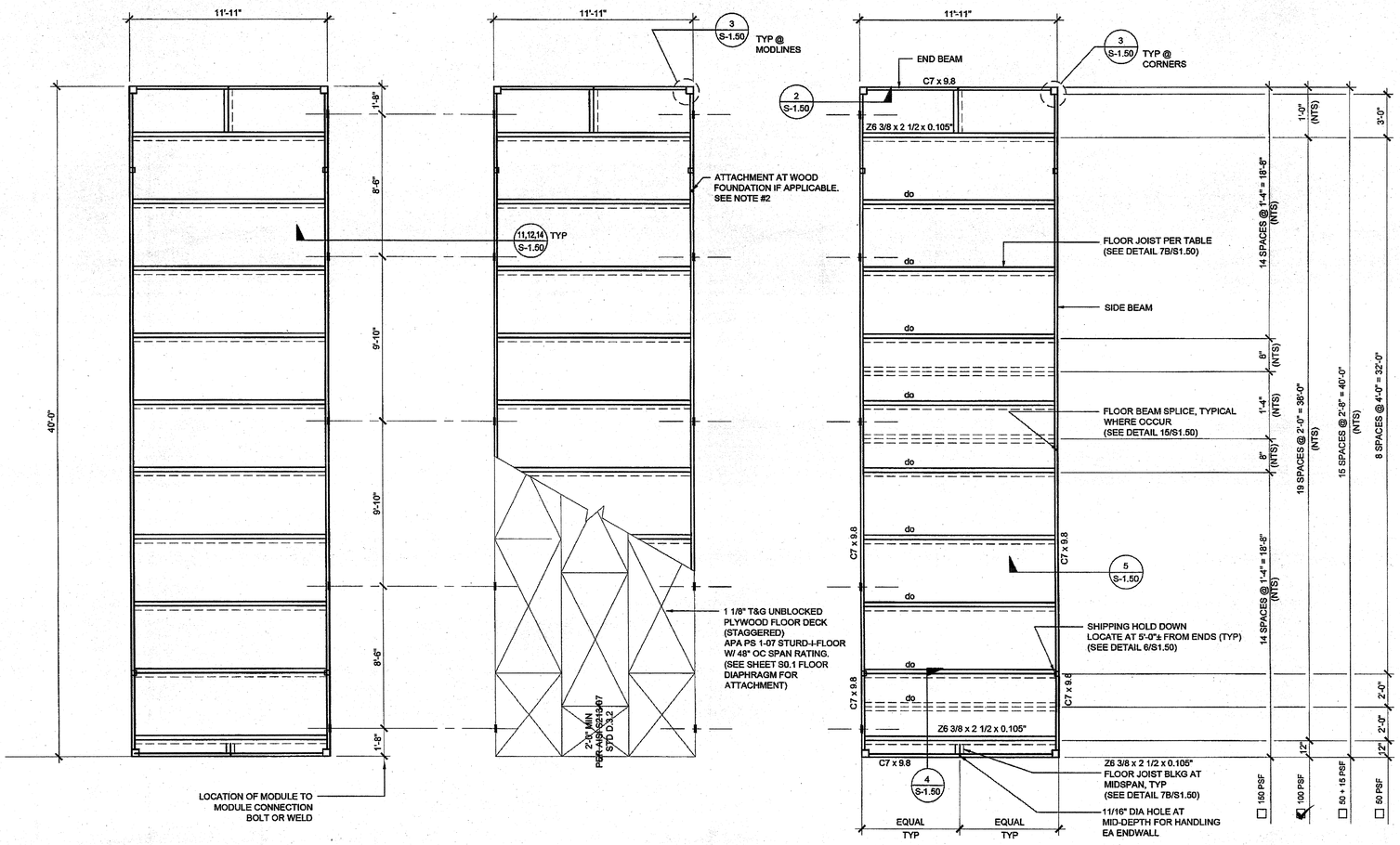
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER
S-0.1

REAR



LEFT HAND MODULE

INTERIOR MODULE

RIGHT HAND MODULE

FRONT

NOTES:

1. FOR FLOOR BLOCKING SEE DETAILS 4,7B / S-1.50 (STD), 4,7A / S-1.50 (ALT)
2. 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
☐	50	48"
☐	50 + 15	32"
☑	100	24"
☐	150	16"

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SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

FLOOR FRAMING PLAN
WOOD FLOOR

RS TAVARES ASSOCIATES
DESIGN & CONSULTING • PROJECT MGT
LICENSED ARCHITECT — LUKE R. SHIVELY IV — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — RAMON D. TAVARES — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA
06/15/15
RSTA# 14217

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119080
AC ___ FLS ___ SS ___
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
G1 117390
AC ___ FLS ___ SS DW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC ___ FLS ___ SS RAF
DATE AUG - 4 2015

REVISIONS

1	
2	
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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

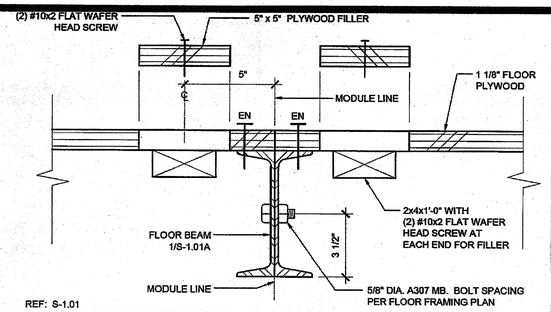
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

S-1.01

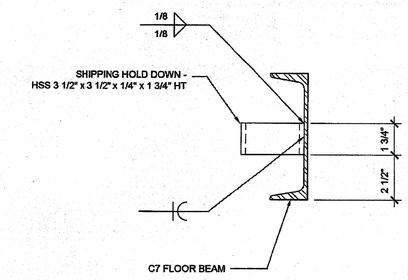
FLOOR FRAMING PLAN

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



REF: S-1.01

16 MODULE LINE - BOLTED CONNECTION SCALE : 3" = 1'-0"

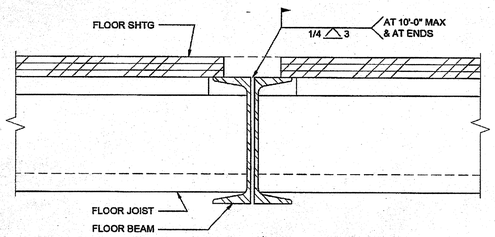


REF: S-1.01

11 SHIPPING HOLD DOWN DETAIL SCALE : 3"=1'-0"

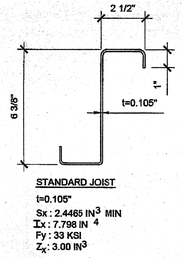
6

1



REF: S-1.01

17 MODULE LINE CONNECTION (OPTION 1) SCALE : 3"=1'-0"



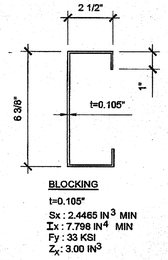
STANDARD JOIST
t=0.105"
Sx : 2.4465 IN^3 MIN
Ix : 7.798 IN ^{4}
Fy : 33 KSI
Z_x: 3.00 IN^3

ASTM A-1011, GRADE 33

REF: S-1.01

12 FLOOR JOIST SCALE : 3" = 1'-0"

7B

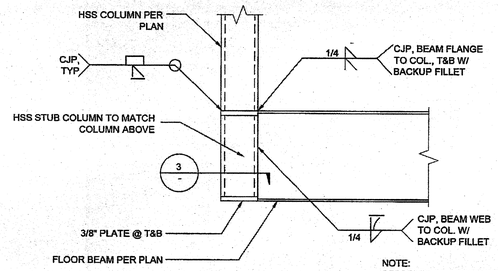


BLOCKING
t=0.105"
Sx : 2.4465 IN^3 MIN
Ix : 7.798 IN^4 MIN
Fy : 33 KSI
Z_x: 3.00 IN^3

ASTM A-1011, GRADE 33

BLOCKING SCALE : 3" = 1'-0"

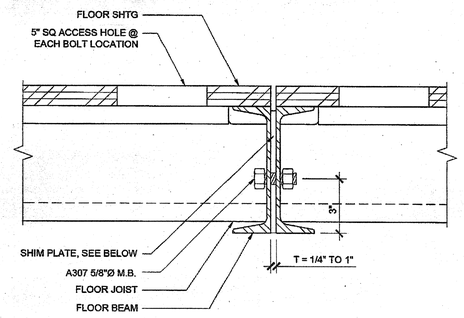
7A

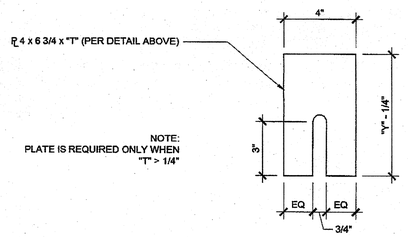


REF: S-1.01

FLOOR BEAM TO COLUMN CONNECTION SCALE : 1 1/2" = 1'-0"

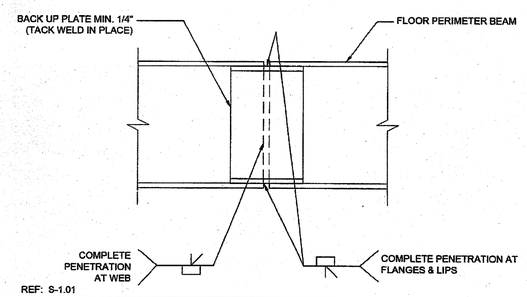
2





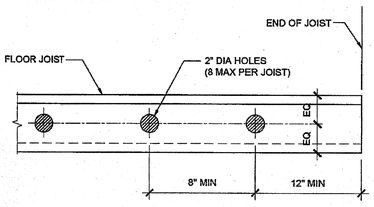
REF: S-1.01

18 19 MODULE LINE CONNECTION (OPTION 2) SCALE : 3"=1'-0" 14



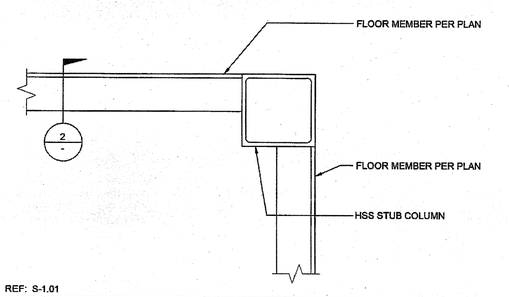
REF: S-1.01

20 FLOOR BEAM SPLICE SCALE : 3" = 1'-0" 15



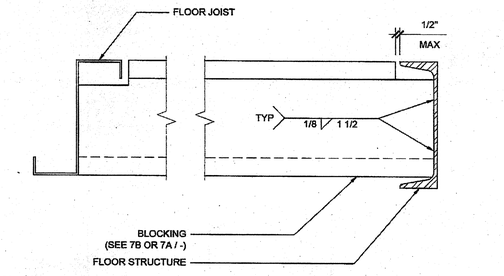
FLOOR JOIST HOLES (OPTIONAL) SCALE : 1/8" = 1'-0" 8

10



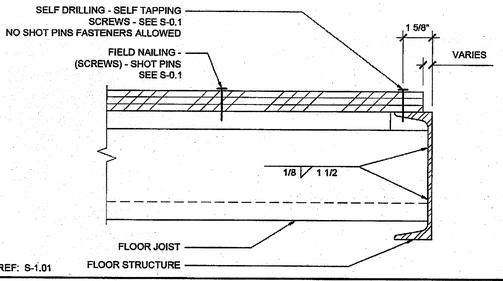
REF: S-1.01

CORNER CONNECTION SCALE : 3" = 1'-0" 3



REF: S-1.01

BLOCKING TO END BEAM SCALE : 3" = 1'-0" 4



REF: S-1.01

5 JOIST TO SIDE BEAM SCALE : 3" = 1'-0"

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

FLOOR FRAMING DETAILS
WOOD FLOOR

TAVARES ASSOCIATES
DESIGN & CONSULTING & PROJECT MGT
1870 N. Broadway, Ste. Suite 205
San Diego, CA 92101 858.442.5944
www.stavares.com

LICENSED ARCHITECT JAIME A. TAVARES III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JAMES D. PESCH No. S3380 STRUCTURAL STATE OF CALIFORNIA

RS#14217

06/15/15

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS 91
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS ✓ SS JW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE SEC. 4-336 A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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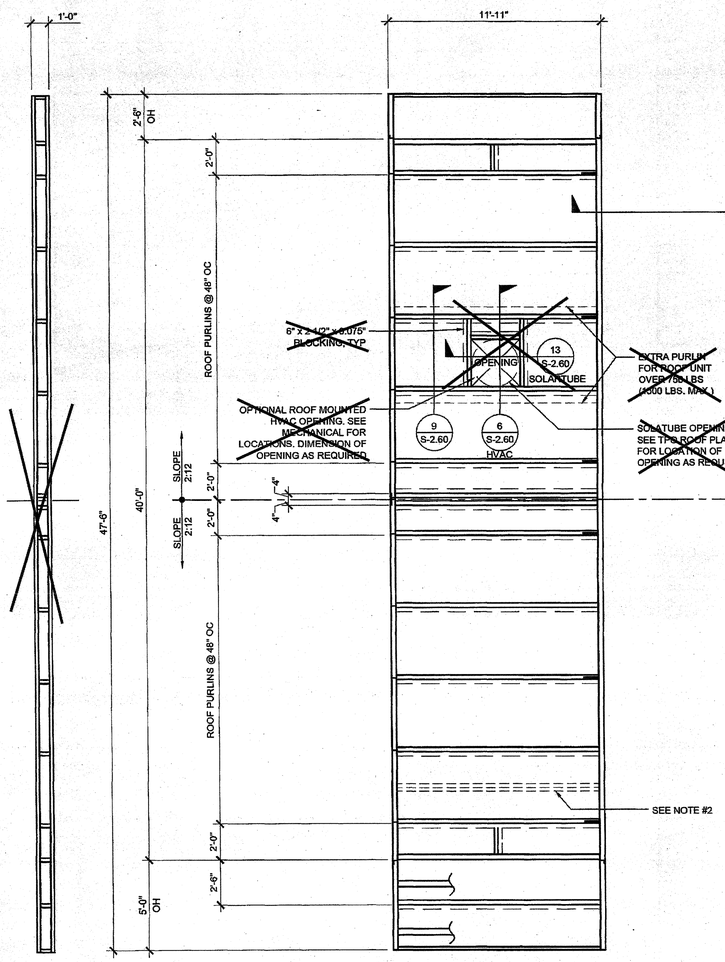
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

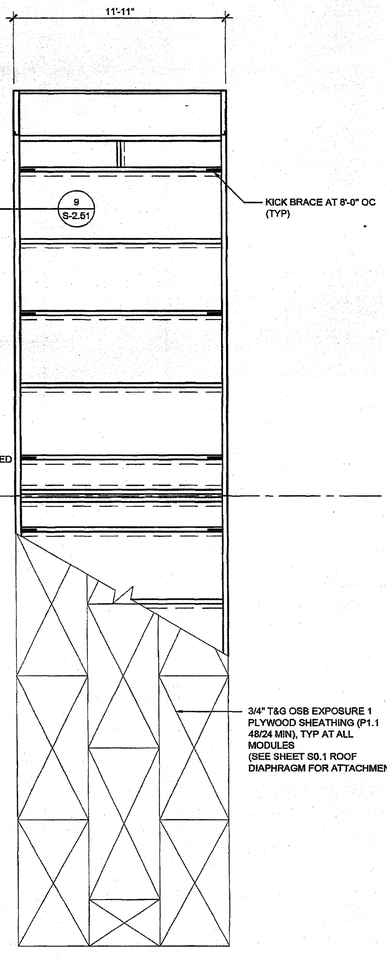
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15

P.C. SHEET NUMBER

S-1.50

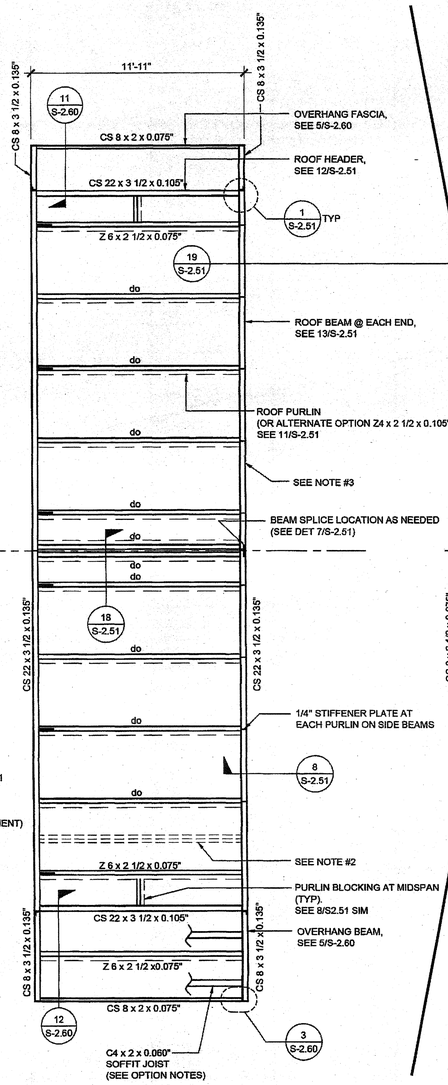


(OPT.) LEFT SIDE OVERHANG

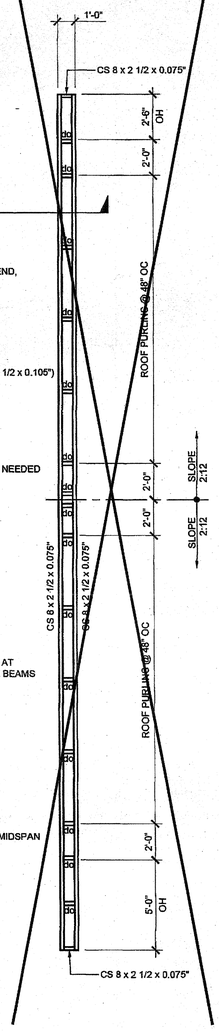


LEFT HAND MODULE

INTERIOR MODULE



RIGHT HAND MODULE



(OPT.) RIGHT SIDE OVERHANG

NOTES

1. FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5, 15 /S-2.51 FOR DETAILS.
2. OPTIONAL PURLIN FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE SPECIFIC APPLICATION. SEE FLOOR PLAN WHERE IT OCCURS. NO STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14/S2.51
3. FOR OPTIONAL SIDE BEAM OPENING, SEE 10,15 / S2.51 FOR DETAILS

OPTIONS

SOFFIT
- ☑ PLYWOOD SOFFIT, PURLINS @ 24" OC
- ☐ PLASTER SOFFIT, PURLINS @ 16" OC

~~SIDE OVERHANG~~
- ☐ ~~OVERHANG REQ'D~~

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

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ROOF FRAMING PLAN
0.018" DECK, B.U.R. OR TPO
20 PSF

RST TAVARES ASSOCIATES
DESIGN & ENGINEERING PROJECT MGT
14675 W. BERNARDO DR. SUITE 200
San Diego, CA 92127 858.444.2944
www.rstavares.com

LICENSED ARCHITECT HANS SKOGMAN III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER DAVID D. PRISH No. S3380 STRUCTURAL STATE OF CALIFORNIA

RST# 14.17

06/15/15

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117300
ACS — FLS — SS 2W
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS
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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

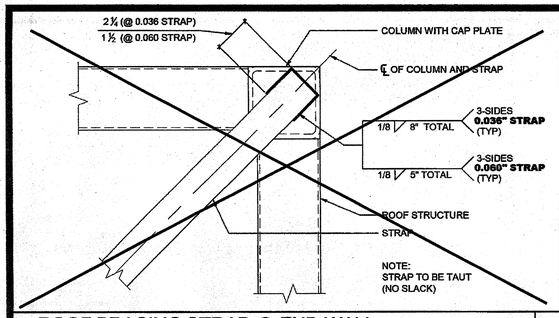
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

S-2.11

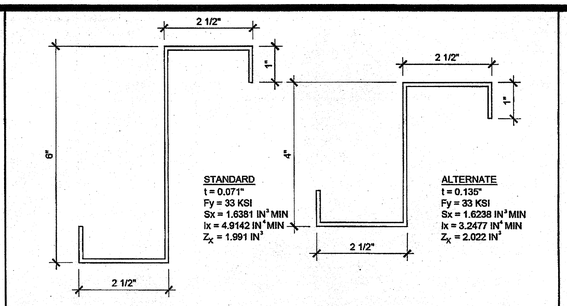
ROOF FRAMING PLAN

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



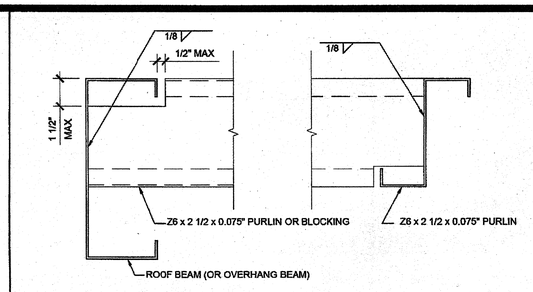
ROOF BRACING STRAP @ END WALL

SCALE : 3"=1'-0" | 16



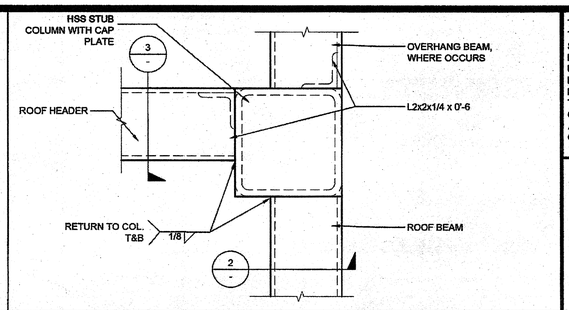
ROOF PURLIN

SCALE : 6"=1'-0" | 11



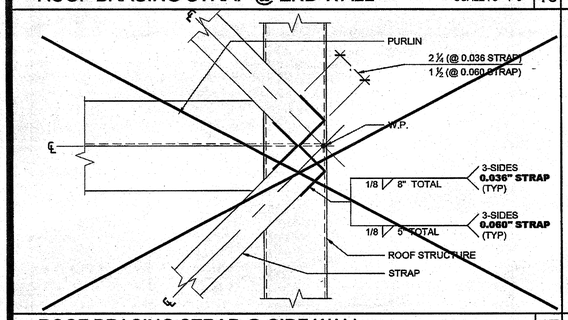
TYPICAL PURLIN CONNECTION DETAIL

SCALE : 3" = 1'-0" | 6



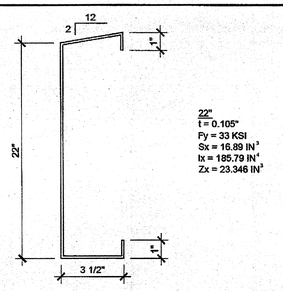
COLUMN AT ROOF - PLAN

SCALE : 3" = 1'-0" | 1



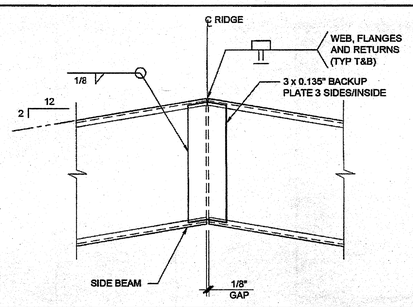
ROOF BRACING STRAP @ SIDE WALL

SCALE : 3"=1'-0" | 17



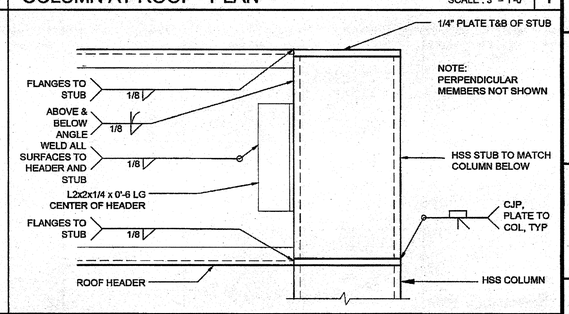
ROOF HEADER

SCALE : NTS | 12



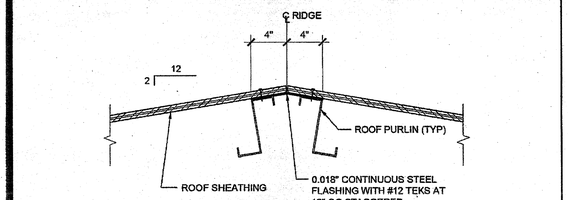
BEAM SPLICE

SCALE: 3" = 1'-0" | 7



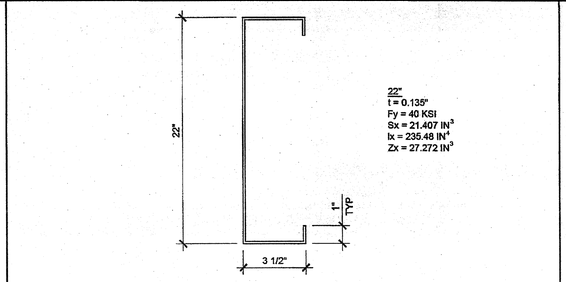
COLUMN AT ROOF - SECTION

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



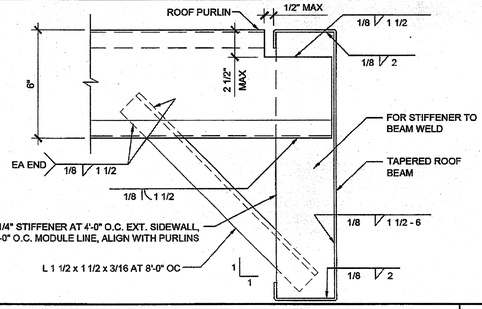
PURLINS AT RIDGE

SCALE : 1 1/2"=1'-0" | 18



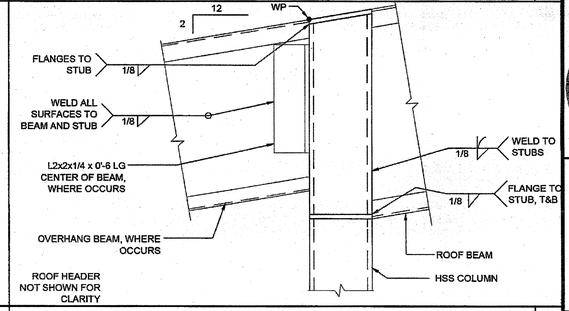
ROOF BEAM

SCALE : NTS | 13



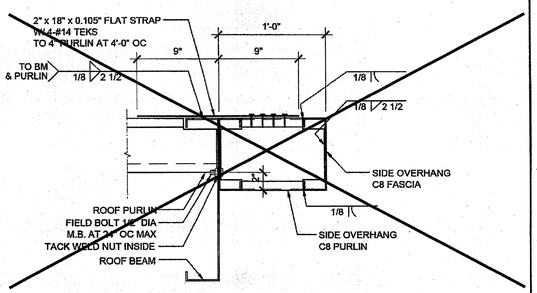
PURLIN TO ROOF BEAM @ STIFFENER

SCALE : 3"=1'-0" | 8



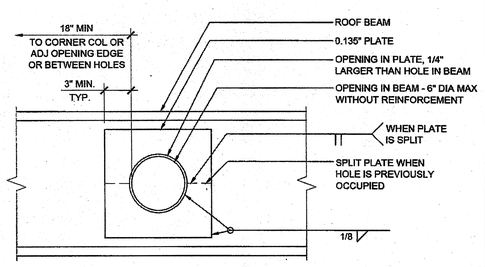
COLUMN AT ROOF OVERHANG

SCALE : 3" = 1'-0" | 3



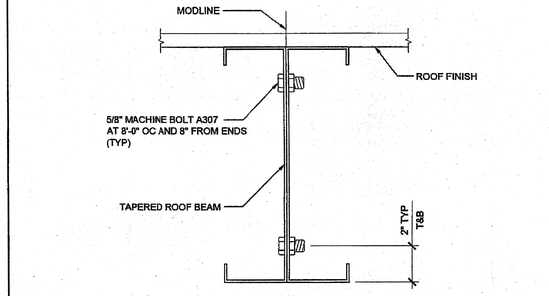
SIDE OVERHANG

SCALE : 1 1/2" = 1'-0" | 19



SIDEWALL BEAM PENETRATION

SCALE : 1 1/2"=1'-0" | 14

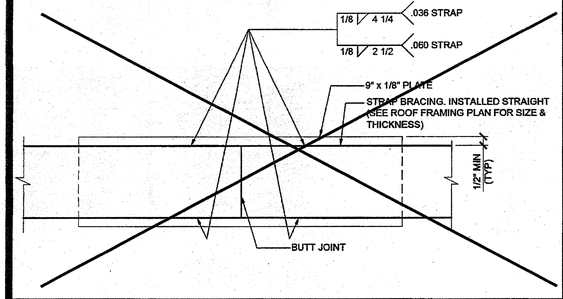


MODULE CONNECTION AT ROOF (OPTION)

SCALE : 3"=1'-0" | 9

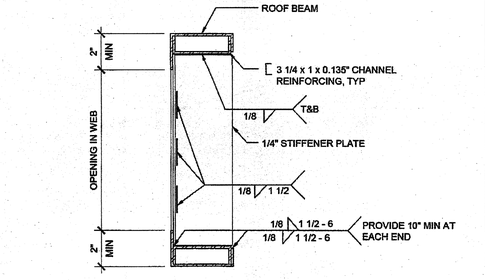
NOT USED

4



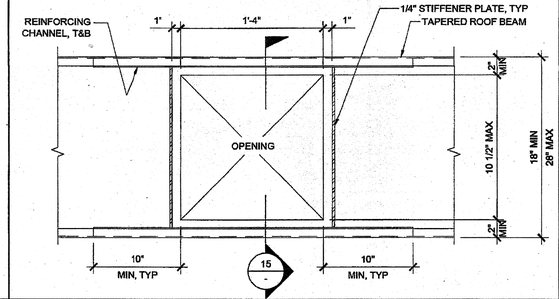
STRAP SPLICE DETAIL

SCALE : 6" = 1'-0" | 20



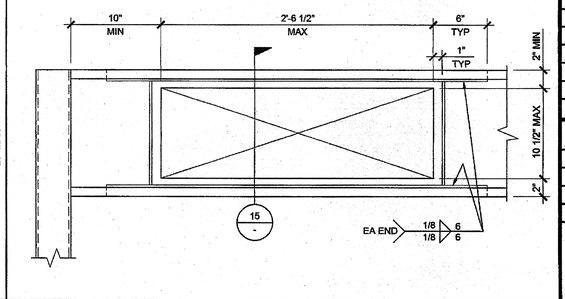
WEB OPENING AT HEADER

SCALE : 3" = 1'-0" | 15



OPENING AT ROOF BEAM (OPTION)

SCALE : 1 1/2" = 1'-0" | 10



OPENING AT HEADER

SCALE : 1 1/2"=1'-0" | 5

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ROOF FRAMING DETAILS
DUAL SLOPE

TAVARES ASSOCIATES
DESIGN CONSULTING PROJECT MGT
6870 N. SERRANO DR, SUITE 2004
SAN DIEGO, CA 92120 858.472.2004
www.tavares.com

LICENSED ARCHITECT
HAZEL M. BROMLEY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
DAVID D. PISCIOTTA
No. S3380
STRUCTURAL
STATE OF CALIFORNIA
RS# 14217

06/15/15
ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS JH
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
AC - FLS SS JH
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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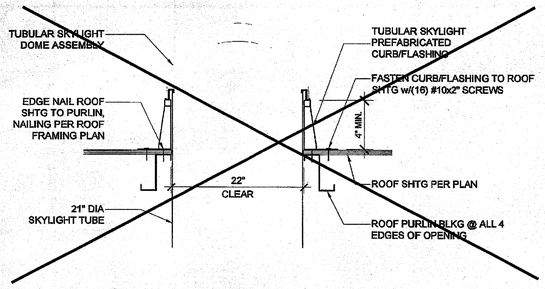
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

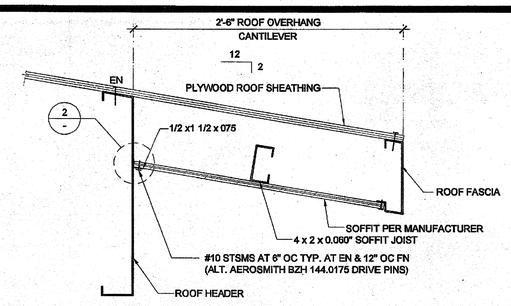
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

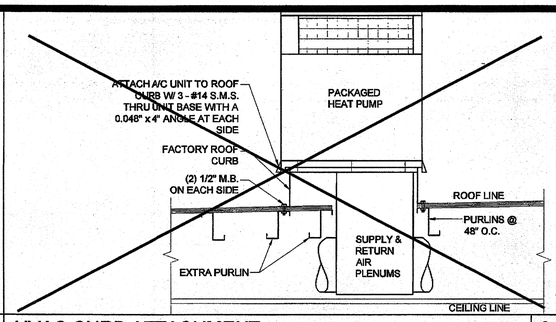
S-2.51



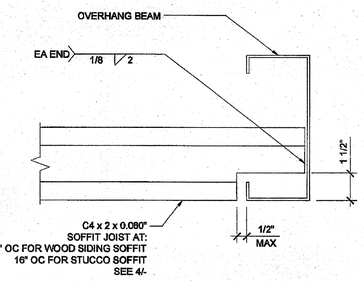
TUBULAR SKYLIGHT SECTION SCALE : 1" = 1'-0" | 16



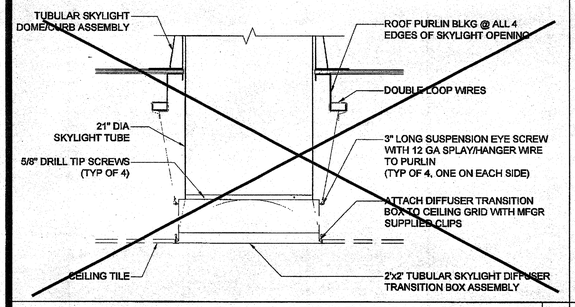
REAR OVERHANG SECTION SCALE : 1 1/2" = 1'-0" | 11



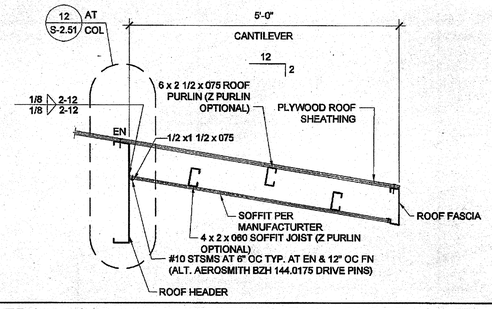
HVAC CURB ATTACHMENT SCALE : 3/4" = 1'-0" | 6



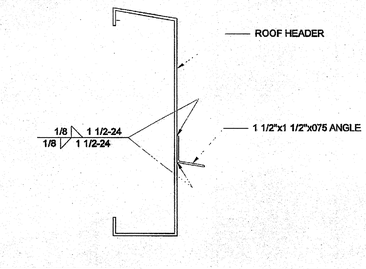
SOFFIT JOIST TO OVERHANG BEAM SCALE : 3"=1'-0" | 1



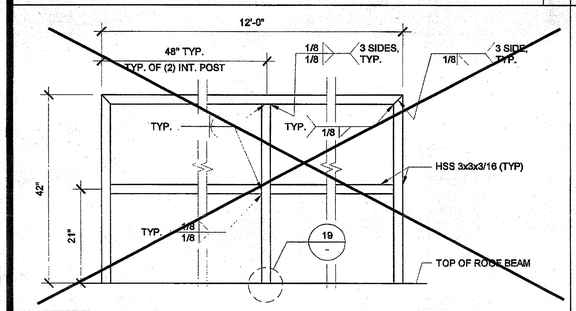
TUBULAR SKYLIGHT DIFFUSER SECTION SCALE : 1" = 1'-0" | 17



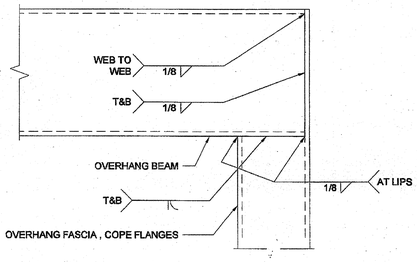
FRONT OVERHANG SECTION - DUAL SLOPE SCALE: 3/4" = 1'-0" | 12



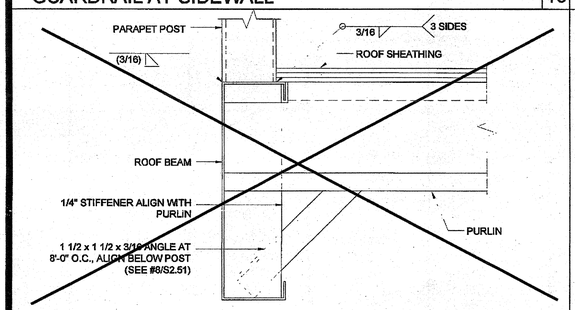
SOFFIT ANGLE TO HEADER CONNECTION SCALE : 3"=1'-0" | 2



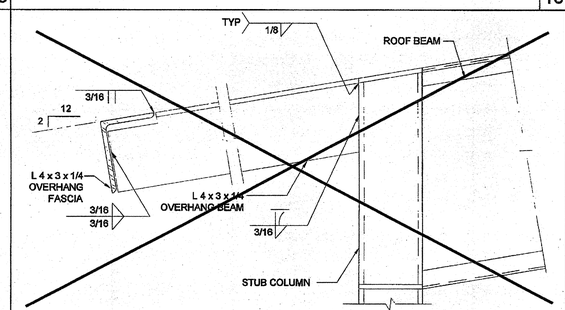
GUARDRAIL AT SIDEWALL 18



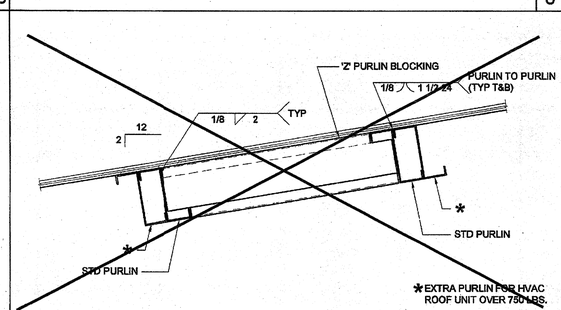
OVERHANG FASCIA TO BEAM CONNECTION SCALE : 6"=1'-0" | 3



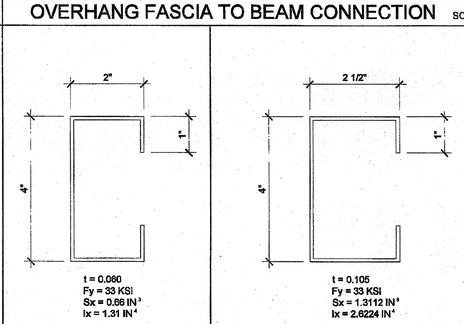
TUBE STEEL TO BEAM AT SIDEWALL SCALE : 3"=1'-0" | 19



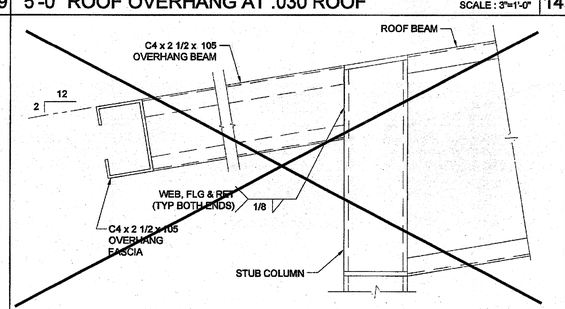
5'-0" ROOF OVERHANG AT .030 ROOF SCALE : 3"=1'-0" | 14



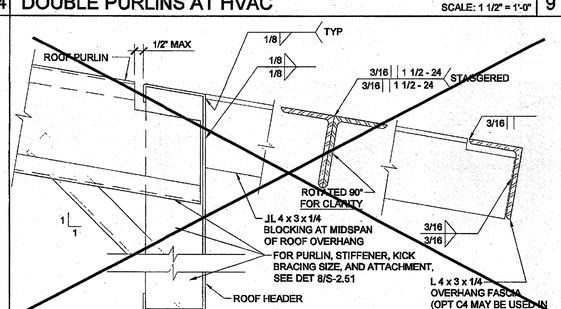
DOUBLE PURLINS AT HVAC SCALE: 1 1/2" = 1'-0" | 9



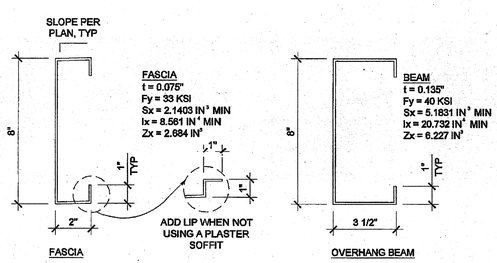
SOFFIT JOIST 4A (OPT) ROOF OVERHANG SCALE : 6"=1'-0" | 4



5'-0" ROOF OVERHANG AT .030 ROOF SCALE : 3" = 1'-0" | 15



OVERHANG SUPPORT TO ROOF HDR @ STIFFENER SCALE : 3"=1'-0" | 10



OVERHANG FASCIA & BEAM SCALE : 3"=1'-0" | 5

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

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

ROOF FRAMING DETAILS

STAVARES ASSOCIATES
CHERIE STAVARES, PRINCIPAL
1400 N. MCDOWELL BLVD., SUITE 300, PETALUMA, CA 94954
PHONE: 707.778.8899 FAX: 707.778.8866
WWW.STAVARES.COM
LICENSED ARCHITECT
JOHN SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117300
ACS FLS SS DW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAE
DATE AUG - 4 2015

REVISIONS

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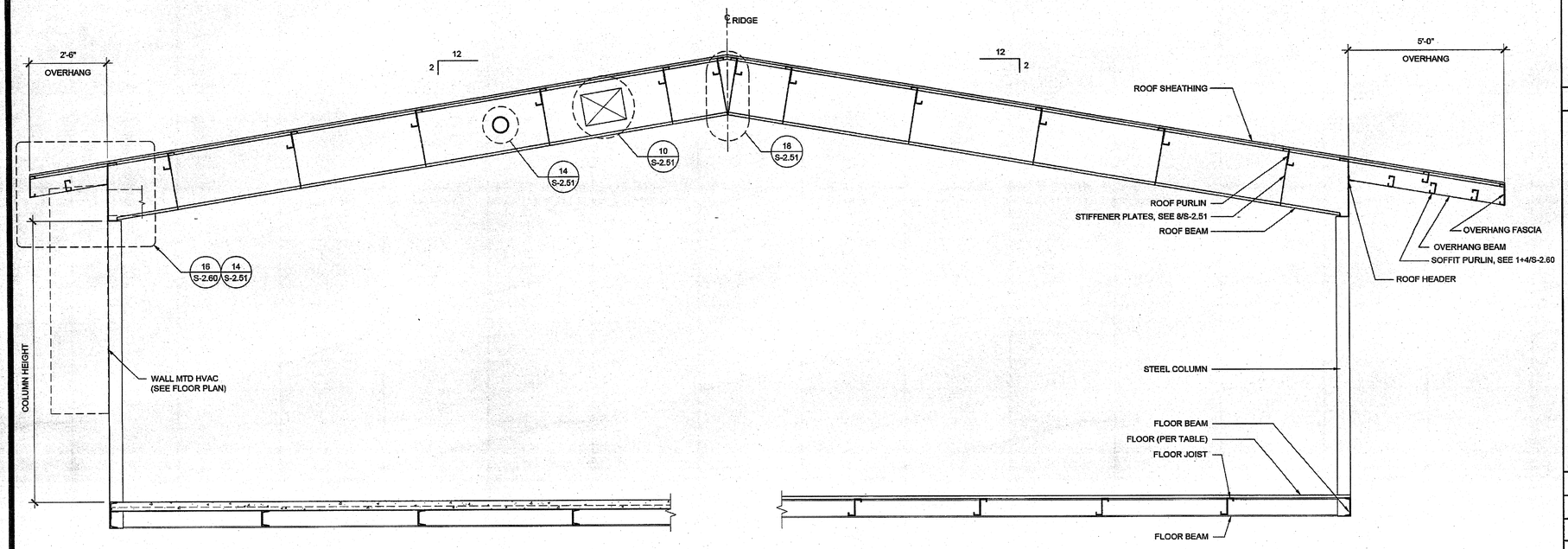
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

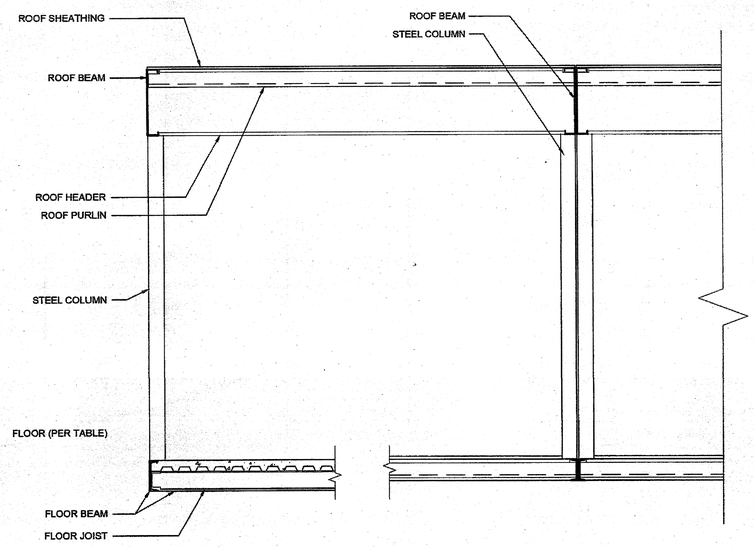
P.C. SHEET NUMBER

S-2.60



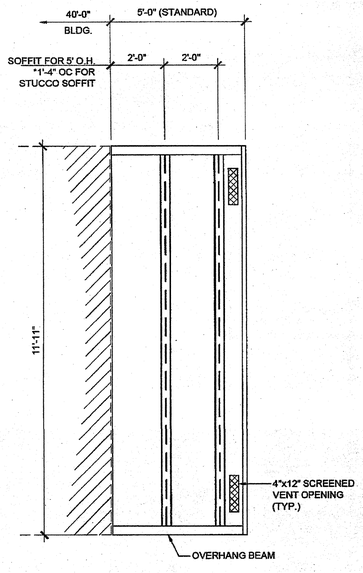
BUILDING SECTION

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



BUILDING SECTION

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



ENCL. SOFFIT PLAN-OPT.

SCALE: 3/8" = 1'-0" | 2

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

- [x] WOOD FLOOR
- [ ] CONCRETE FLOOR

HSS COLUMN SCHEDULE

COLUMN HEIGHT	OPT -12" SIDE OH	STD WALL W/ METAL ROOF	STD WALL W/ BUILT UP	PLASTER WALL W/ METAL ROOF OR B.U.
☐ 9'-0" STD	☐ YES	☐ 5 x 5 x 1/4	☐ 5 x 5 x 1/4	☐ 5 x 5 x 1/4
☑ 9'-6" STD	☐ YES	☑ 6 x 5 x 1/4	☐ 5 x 5 x 1/4	☐ 5 x 5 x 1/4
☐ 9'-0" SNOW	N/A	☐ 5 x 5 x 1/4	☐ 5 x 5 x 1/4	☐ 5 x 5 x 1/4
☐ 9'-6" SNOW	N/A	☐ 5 x 5 x 1/4	☐ 5 x 5 x 1/4	☐ 5 x 5 x 1/4

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HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

BUILDING SECTIONS
0.018" DUAL SLOPE

RS TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT MGT
1440 N. HARBOR BLVD. • SUITE 900
Fullerton, California 92835
www.RSTAVARES.com

LICENSED ARCHITECT — JACK K. SHIVELY III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — DAVID D. PERSON — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA

RSTA# 14217

06/15/15

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
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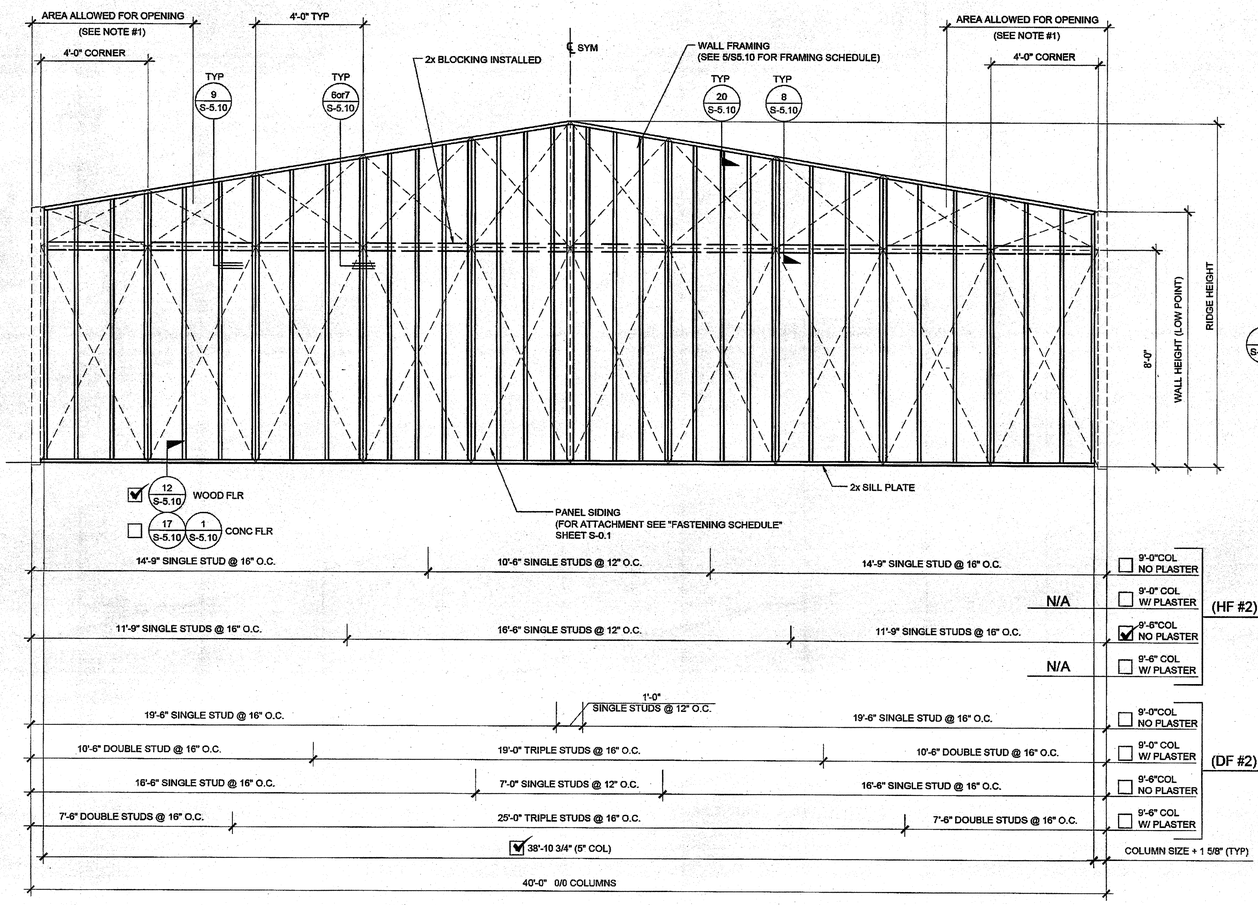
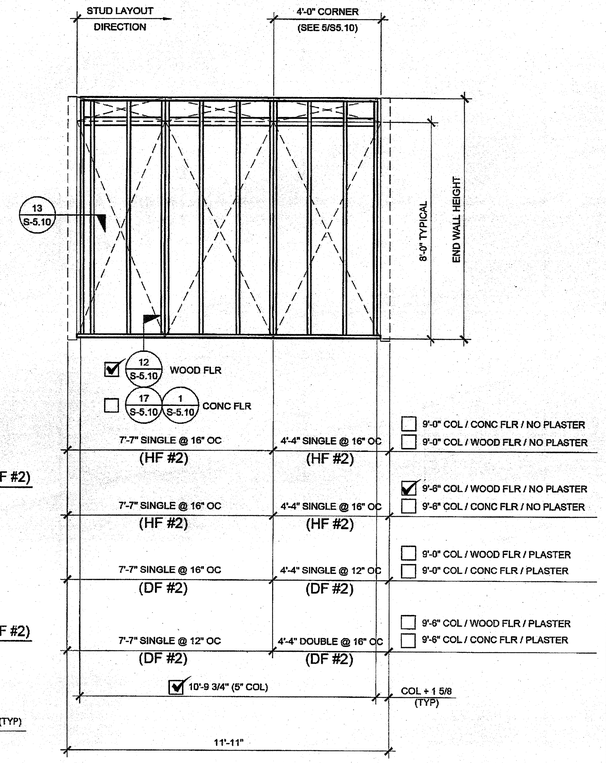
DATE:	01-30-15

P.C. SHEET NUMBER

S-3.02

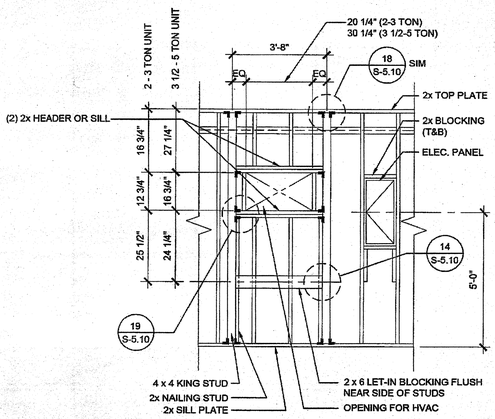


TYPICAL SIDE WALL

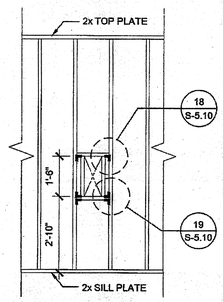


NOTE:
2x6 @ 16" O.C. WALL FRAMING TO BE USED WHEN PLASTER OPTION IS TAKEN, 2x4 PLASTER OPTIONS SHOWN ARE OPTIONAL

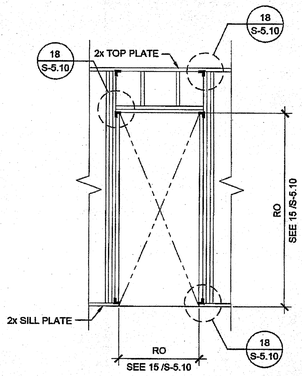
TYPICAL END WALL



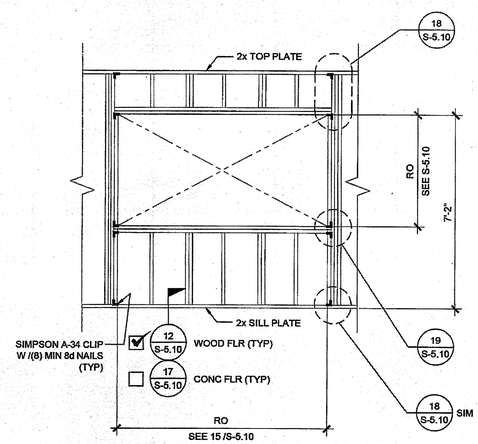
TYPICAL HVAC



FIRE EXTINGUISHER CABINET BLOCKOUT



TYPICAL DOOR



TYPICAL WINDOW

FRAMING ELEVATIONS

SCALE: 3/8" = 1'-0" | 1

NOTES

1. AREA ALLOWED FOR OPENING FROM CORNER AT SIDE WALL:
   - ☑ 9'-0" AT 9'-0" COLUMN HEIGHT
   - ☐ 6'-0" AT 9'-6" COLUMN HEIGHT

2X4 WOOD STUDS

MAX. WALL HEIGHT (FT) SCHEDULE FOR 2x4 STUDS

		SINGLE STUD @ 16" O.C.		SINGLE STUD @ 12" O.C.	
		HF	DF	HF	DF
WALL FRMG. (Z-4)	PLASTER	8.49	9.08	9.32	9.97
	NO PLASTER	12.14	12.99	13.34	14.27
4' FROM CORNER (Z-5)	PLASTER	7.94	8.49	8.72	9.32
	NO PLASTER	11.34	12.14	12.46	13.34

		DOUBLE STUD @ 16" O.C.		TRIPLE STUD @ 16" O.C.	
		HF	DF	HF	DF
WALL FRMG. (Z-4)	PLASTER	10.64	11.38	12.14	12.99
	NO PLASTER	15.23	16.30	17.40	18.63
4' FROM CORNER (Z-5)	PLASTER	9.94	10.64	11.34	12.14
	NO PLASTER	14.23	15.23	16.25	17.40

2x6 WOOD STUDS HF#2 OR DF#2 @ 16" O.C. - ALL SCENARIOS
2x8 WOOD STUDS HF#2 OR DF#2 @ 16" O.C. - ALL SCENARIOS

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HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

WALL FRAMING ELEVATIONS
WOOD STUDS

TAVARES ASSOCIATES
DESIGN • CONSULTING • PROJECT MGT
16870 W. CORNELL RD., SUITE 200, SAN JACINTO, CA 92583
www.tavares.com

LICENSED ARCHITECT JAMES SHIVELY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER DONALD D. KRISCH No. S3380 STRUCTURAL STATE OF CALIFORNIA

RST# 14217

06/15/15

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APP03 119040
AC ✓ FLS ✓ SS 80
Date MAY 2 2 2018

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04 117380
ACS — FLS — SS 2M
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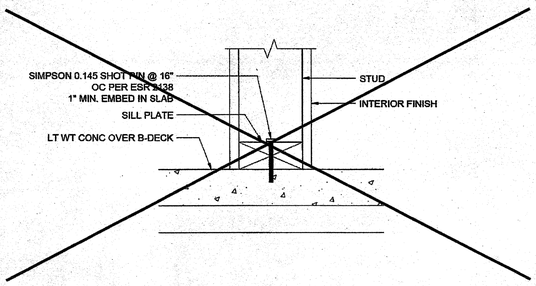
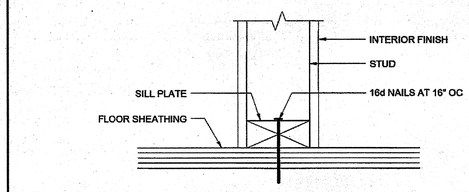
P.C. SHEET NUMBER

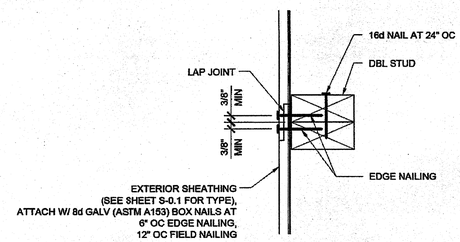
S-5.00



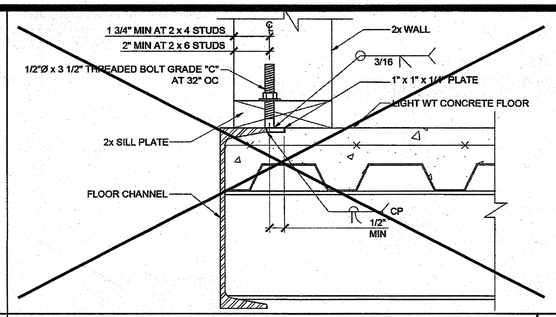
PARTITION CONNECTION AT CONC FLOOR
SCALE : 3"=1'-0" | 16



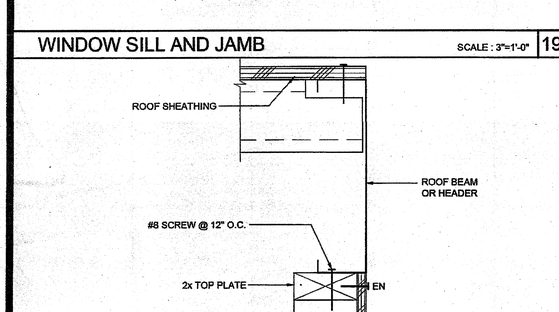
PARTITION CONNECTION AT WOOD FLOOR
SCALE : 3"=1'-0" | 11



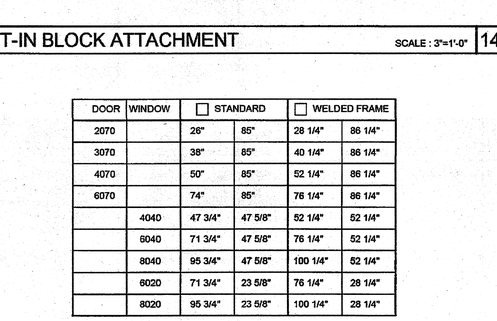
VERTICAL SHEATHING LAP JOINT
SCALE : 3"=1'-0" | 6



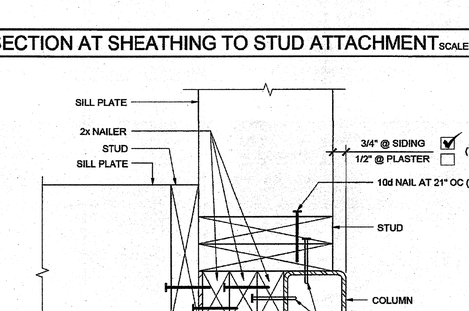
OPTIONAL BOLTED WALL TO FLOOR
SCALE : NTS | 1



WALL SILL AT CONCRETE FLOOR
SCALE : 3"=1'-0" | 17

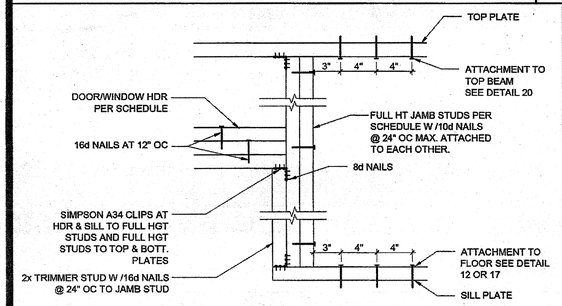


WALL SILL AT WOOD FLOOR
SCALE : 3"=1'-0" | 12

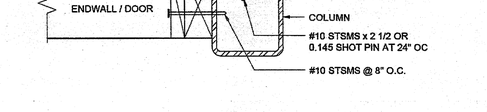


VERTICAL SHEATHING BUTT JOINT
SCALE : 3"=1'-0" | 7

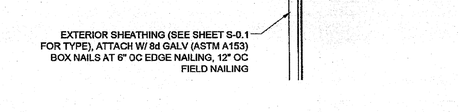
COLUMN AT ENDWALL (2x4)
SCALE : 3"=1'-0" | 2



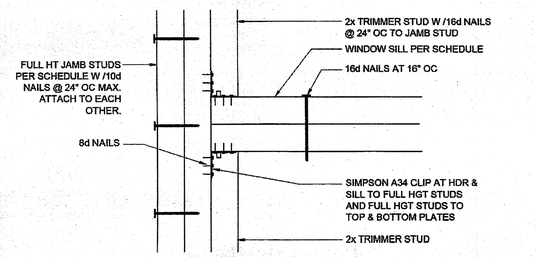
DOOR/WINDOW HEADER AND JAMB
SCALE : 1 1/2"=1'-0" | 18



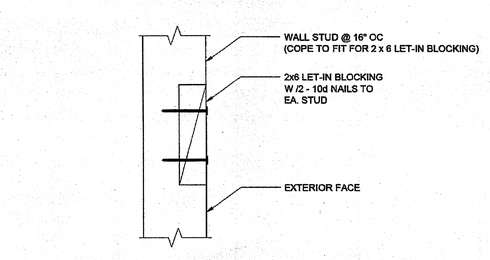
COLUMN AT ENDWALL (2x4)
SCALE : 3"=1'-0" | 13



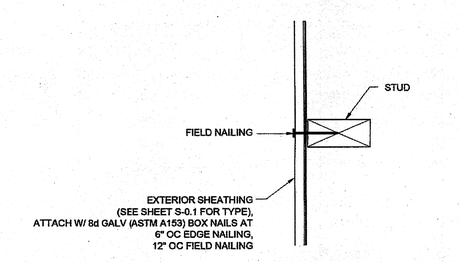
HORIZONTAL SHEATHING JOINT
SCALE : 3"=1'-0" | 8



WINDOW SILL AND JAMB
SCALE : 3"=1'-0" | 19



LET-IN BLOCK ATTACHMENT
SCALE : 3"=1'-0" | 14



SECTION AT SHEATHING TO STUD ATTACHMENT
SCALE : 3"=1'-0" | 9

TOP PLATE AT ROOF BEAM
SCALE : 3" = 1'-0" | 20

DOOR	WINDOW	☐ STANDARD		☐ WELDED FRAME	
2070		26"	85"	28 1/4"	86 1/4"
3070		38"	85"	40 1/4"	86 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	95 3/4"	47 5/8"	100 1/4"	52 1/4"
	6020	71 3/4"	23 5/8"	76 1/4"	28 1/4"
	8020	95 3/4"	23 5/8"	100 1/4"	28 1/4"

ROUGH OPENING SCHEDULE
15

COLUMN AT ENDWALL (2x8)
SCALE : 3"=1'-0" | 10

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"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

WALL FRAMING DETAILS
WOOD STUDS

TAVARES ASSOCIATES
DESIGN ENGINEERING SERVICES PBT
16875 W. BERNARDO DR., SUITE 265
SAN DIEGO, CA. 92127 858.442.2244
www.ESTAVARES.COM

LICENSED ARCHITECT JAMES SHANELL III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER DAVID D. FRISCH No. S3380 STRUCTURAL STATE OF CALIFORNIA

RST# 14217

06/15/15

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS ✓
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117400
ACS — FLS — SS 2nd
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT DOES NOT CONSTITUTE A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

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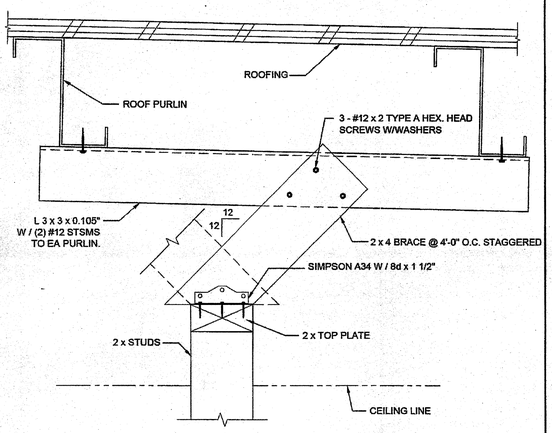
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

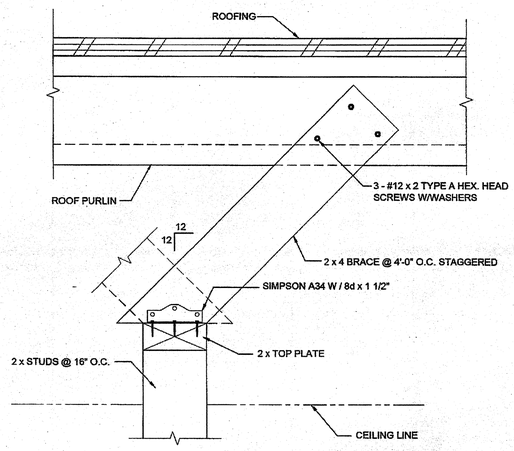
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

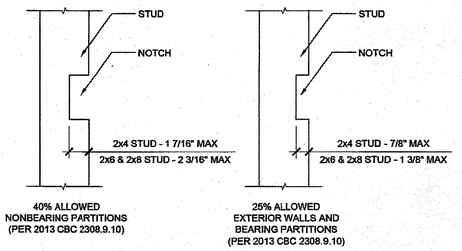
S-5.10

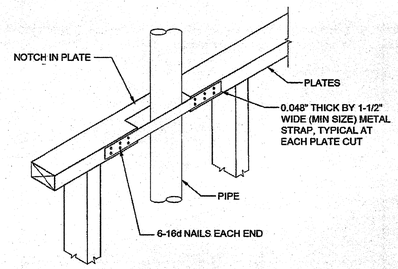


INTERIOR PARTITION — SCALE : 3" = 1'-0" — 14

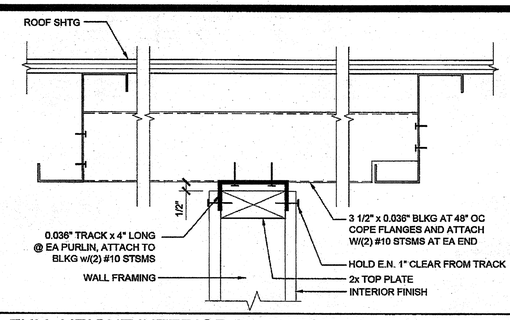


INTERIOR PARTITION — SCALE : 3" = 1'-0" — 12

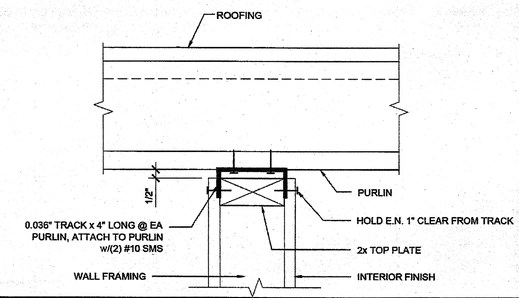




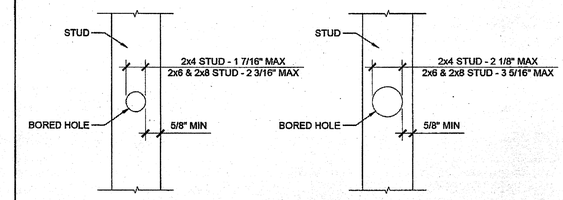
CUTTING AND NOTCHING — SCALE : 1 1/2" = 1'-0" — 7



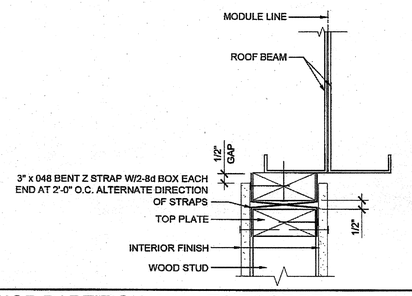
FULL HEIGHT INTERIOR PARTITION — SCALE : 3" = 1'-0" — 1



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



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



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

NOT USED — 9

NOT USED — 4

NOT USED — 10

NOT USED — 5

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2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD HORACE MANN ES 48x40 OFFICE BUILDING

SHEET TITLE:

WALL FRAMING DETAILS WOOD STUDS

TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT MGT
10670 N. PENASQUITOS, SUITE 200
SAN DIEGO, CA 92131 858-442-2944
www.estavares.com

LICENSED ARCHITECT — JACK R. SHIVELY III — No. C-33487 — REN 01-31-2017 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — DAVID D. KRASH — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA

RSTH# 14217

06/15/15

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC ✓ FLS ✓ SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS — SS JW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC1) DOCUMENT ONLY - NOT FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAP
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

S-5.11

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-10" MAX	3070	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(3)	2X4	HF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(3)	2X4	HF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(4)	2X4	HF	#2
	8040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(5)	2X4	HF	#2

2x4 OPENING SCHEDULE HF#2 @ 12'-10" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-10" MAX	3070	NO PLASTER	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2
	8040	NO PLASTER	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(4)	2X4	DF	#2

2x4 OPENING SCHEDULE DF#2 @ 12'-10" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-10" MAX	3070	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(3)	2X6	HF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(4)	2X6	HF	#2

2x6 OPENING SCHEDULE HF#2 @ 12'-10" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-10" MAX	3070	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(3)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	DF	#2	(2)	2X6	DF	#2	(3)	2X6	DF	#2

2x6 OPENING SCHEDULE DF#2 @ 12'-10" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-10" MAX	3070	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2

2x8 OPENING SCHEDULE HF#2 @ 12'-10" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-10" MAX	3070	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(2)	2X8	DF	#2

2x8 OPENING SCHEDULE DF#2 @ 12'-10" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" MAX	3070	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2

2x8 OPENING SCHEDULE HF#2 @ 9'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
10'-6" MAX	3070	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2

2x8 OPENING SCHEDULE HF#2 @ 10'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" MAX	3070	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

2x8 OPENING SCHEDULE DF#2 @ 9'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
10'-6" MAX	3070	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

2x8 OPENING SCHEDULE DF#2 @ 10'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-2" MAX	3070	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2

2x8 OPENING SCHEDULE HF#2 @ 12'-2" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-2" MAX	3070	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

2x8 OPENING SCHEDULE DF#2 @ 12'-2" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" MAX	3070	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(2)	2X6	HF	#2

2x6 OPENING SCHEDULE HF#2 @ 9'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
10'-6" MAX	3070	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(3)	2X6	HF	#2

2x6 OPENING SCHEDULE HF#2 @ 10'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" MAX	3070	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2

2x6 OPENING SCHEDULE DF#2 @ 9'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
10'-6" MAX	3070	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	DF	#2	(2)	2X6	DF	#2	(2)	2X6	DF	#2

2x6 OPENING SCHEDULE DF#2 @ 10'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-2" MAX	3070	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(3)	2X6	HF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(3)	2X6	HF	#2

2x6 OPENING SCHEDULE HF#2 @ 12'-2" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-2" MAX	3070	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	DF	#2	(2)	2X6	DF	#2	(3)	2X6	DF	#2

2x6 OPENING SCHEDULE DF#2 @ 12'-2" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" MAX	3070	NO PLASTER	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF	#2
	8040	NO PLASTER	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2

2x4 OPENING SCHEDULE DF#2 @ 9'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
10'-6" MAX	3070	NO PLASTER	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2
	8040	NO PLASTER	(3)	2X4	DF	#2	(3)	2X4	DF	#2	(3)	2X4	DF	#2

2x4 OPENING SCHEDULE DF#2 @ 10'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" MAX	3070	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(2)	2X4	HF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(2)	2X4	HF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(2)	2X4	HF	#2
	8040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2

2x4 OPENING SCHEDULE HF#2 @ 9'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
10'-6" MAX	3070	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(2)	2X4	HF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(2)	2X4	HF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2
	8040	NO PLASTER	(3)	2X4	HF	#2	(3)	2X4	HF	#2	(4)	2X4	HF	#2

2x4 OPENING SCHEDULE HF#2 @ 10'-6" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-2" MAX	3070	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(2)	2X4	HF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2	(1)	2X4	HF	#2	(2)	2X4	HF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2
	8040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(4)	2X4	HF	#2

2x4 OPENING SCHEDULE HF#2 @ 12'-2" MAX HEIGHT

MAX WALL HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
12'-2" MAX	3070	NO PLASTER	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	DF	#2	(1)	2X4	DF	#2	(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2
	8040	NO PLASTER	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(4)	2X4	DF	#2

2x4 OPENING SCHEDULE DF#2 @ 12'-2" MAX HEIGHT

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SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

WALL FRAMING
OPENING SCHEDULES
WOOD STUDS

R&S TAVARES ASSOCIATES
DESIGN • CONSULTING • PROJECT MGT
16875 W. BERNARDO DR. SUITE 285
SAN DIEGO, CA 92127 858.444.3344
WWW.RSTAVARES.COM

LICENSED ARCHITECT JACK E. SHIVELY III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER D. FRISCH No. S3380 STRUCTURAL STATE OF CALIFORNIA

RST# 14217

06/15/15

ARCHITECT OF RECORD
SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS — FLS — SS DW
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC — FLS — SS RAF
DATE AUG - 4 2015

REVISIONS

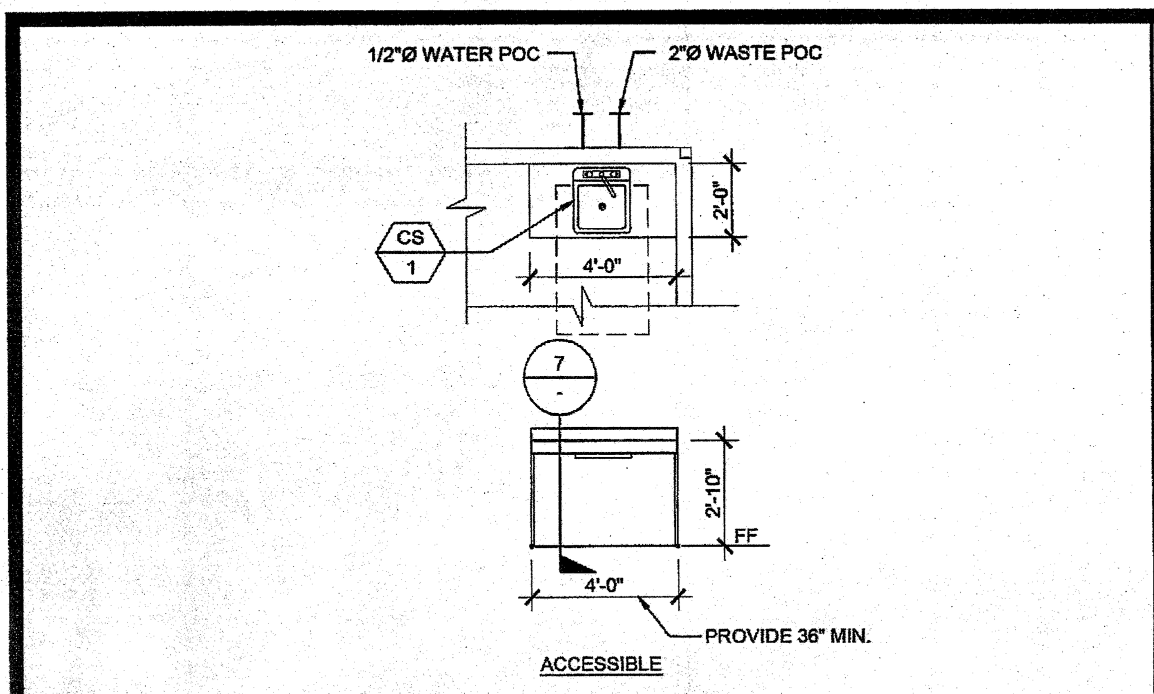
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

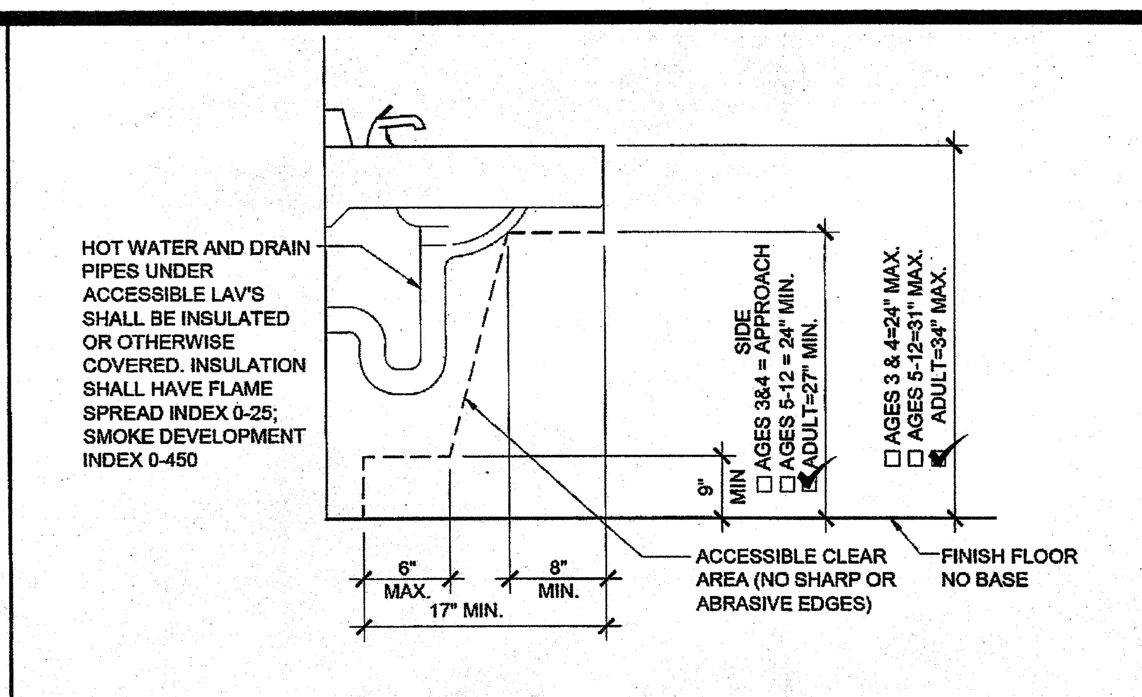
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15

P.C. SHEET NUMBER

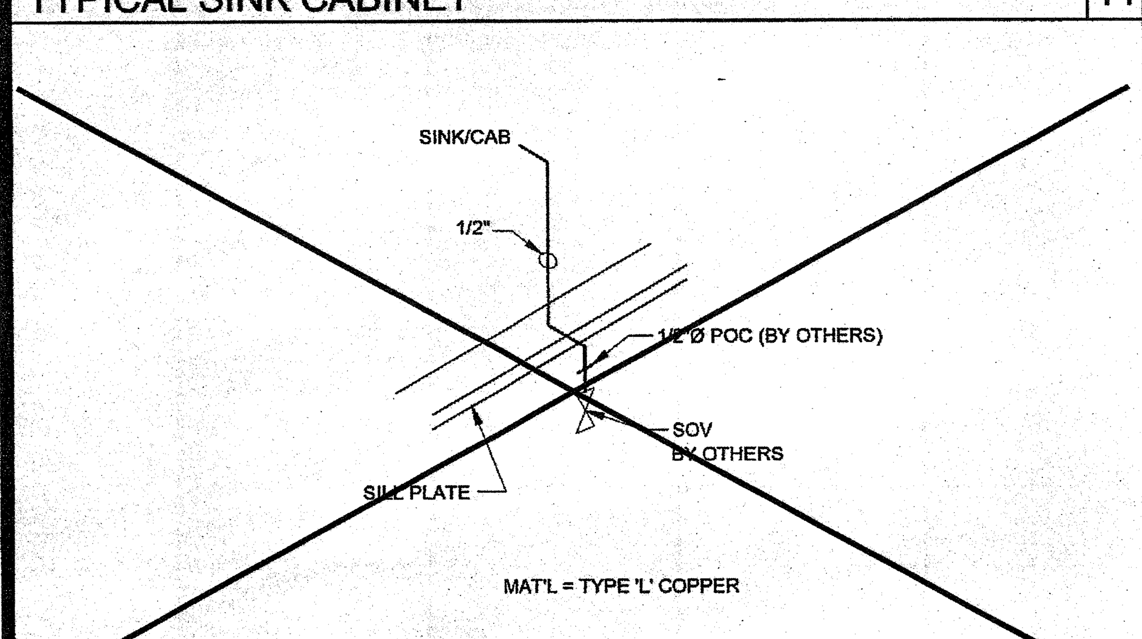
S-5.12



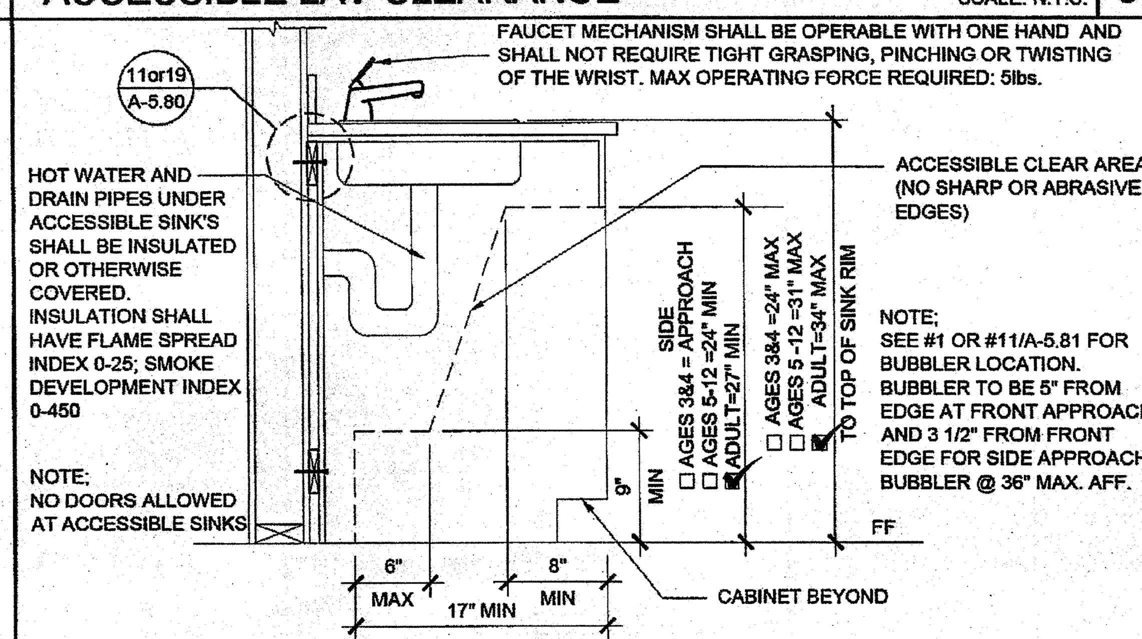
TYPICAL SINK CABINET | 11



ACCESSIBLE LAV CLEARANCE SCALE: N.T.S. | 6



SINK CABINET COLD WATER SUPPLY SCALE: N.T.S. | 12



ACCESSIBLE SINK CABINET (OPTION) SCALE: N.T.S. | 7

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES ACCEPTS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER THEIR JURISDICTION. THESE DIMENSIONS ARE BASED ON CBC TABLE 11B-604.9 SUGGESTED DIMENSIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 TO 12.

ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"	15" - 17"	12" - 15"	11" - 12"
GRAB BAR HEIGHT (TO TOP)	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	7" - 9"	7" - 9"	7" - 9"	7" - 9"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX	N/A	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.	40" MAX.	36" MAX.	32" MAX.
DISPENSER HEIGHT	19" MIN.	17"-19"	14"-17"	14"
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	31" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	24" MIN.	SIDE APPROACH
URINAL LIP HEIGHT	17" MAX.	17" MAX	15" MAX	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX. *	32" MAX. *
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	30" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	SIDE APPROACH	SIDE APPROACH	SIDE APPROACH
RAMP/STAIR HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL/PARTITION	15" MIN	15" MIN	15" MIN	15" MIN
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"	15"	15"	15"
TOILET CLEARANCE/FRONT	24"	24"	24"	24"
URINAL LIP HEIGHT	24"	24"	18"	16"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

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

- [A] SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION
- [B] PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCROACH INTO 30x48 CLEAR SPACE OF FIXTURE
- [C] TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
- [D] TOILET SEAT DISPENSER: SURFACE MOUNTED

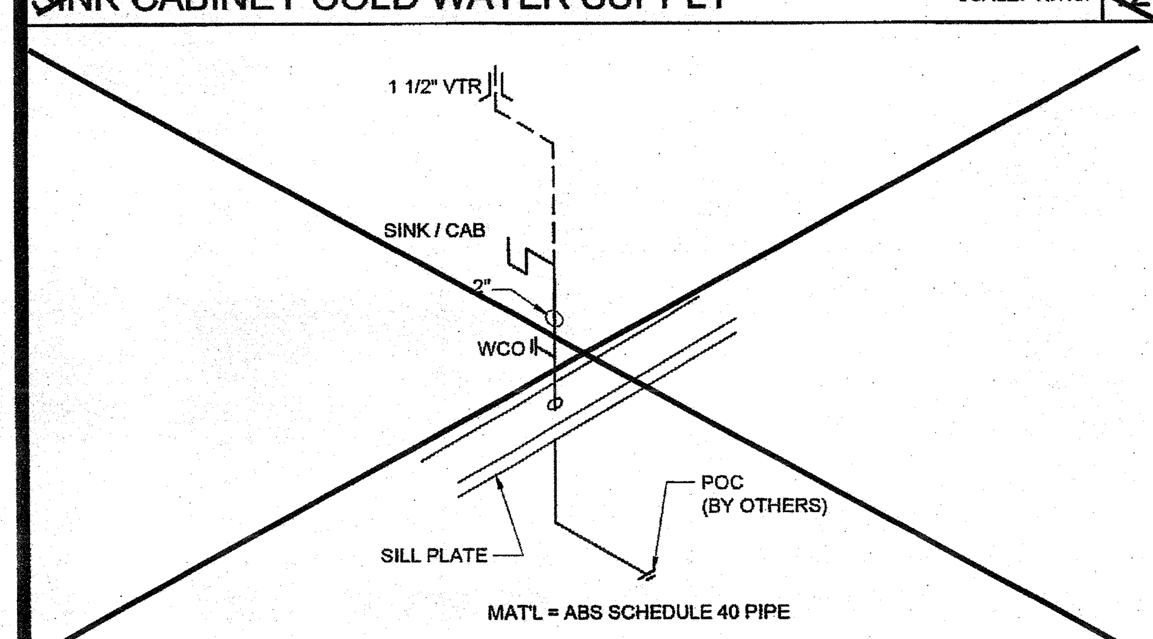
* 44" MAX. PER CODE
[A] = ADULT; [E] = AGES 9-12; [K] = AGES 3-8

FIXTURE MOUNTING HEIGHTS | 2

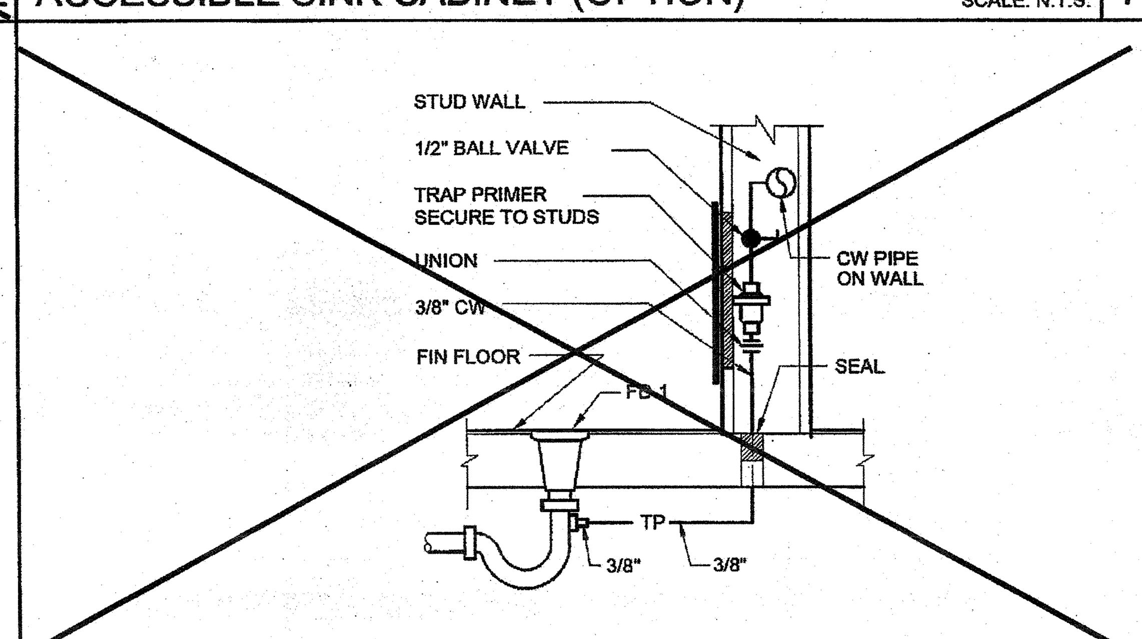
SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 7	[AGE 5-8] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"		3"	2"	STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE; CHURCH 2L2155T (2" LIFT) SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 8	[AGE 5-8] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	AMERICAN STANDARD 2599.001 MADERA YOUTH (1.28 GPF) 14" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10SSCTFR ELONGATED WHITE PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE

PLUMBING FIXTURE SCHEDULE

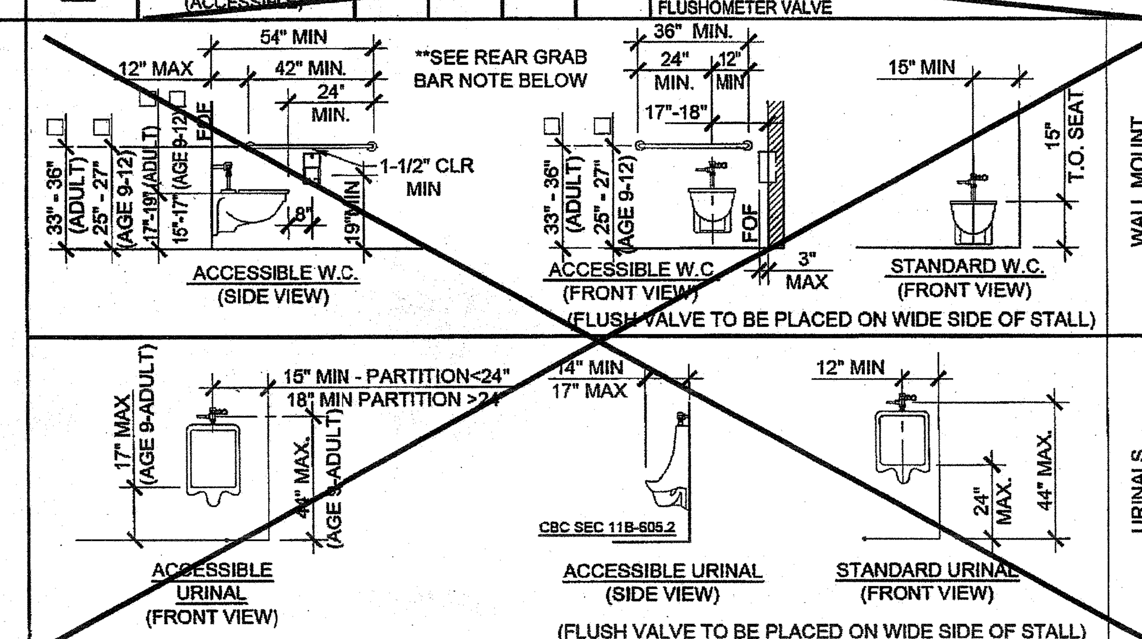
SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 1	[ADULT] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"		3"	2"	STD: PROFLO ADA PF9403, (1.28 GPF) ALT: AMERICAN STANDARD ADA 2758.128, 17 HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 2	[AGE 9-12] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"		3"	2"	STD: PROFLO STANDARD PF9300 (1.28 GPF) ALT: AMERICAN STANDARD 2632.128, 16" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN, OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 3	[AGE 3-4] WATER CLOSET TANK TYPE (ACCESSIBLE & NON-ACCESSIBLE)	1/2"		3"	2"	STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 4	[ADULT] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO ADA PF1723 (1.28 GPF) ALT: AMERICAN STD ADA 3043.001 "MADERA" 16 3/4" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 5	[AGE 9-12] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721 (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 MADERA 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 6	[AGE 3 & 4] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE & NON-ACCESSIBLE)	1"		3"	2"	STD: PROFLO PF1700BB (1.28 GPF) ALT: AMERICAN STANDARD BABY DEVORO 2282.010 VITREOUS CHINA ELONGATED RIM, 10" ROUGH-IN LOW CONSUMPTION CLOSET BOWL; OLSONITE 126CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSH VALVE
LAV 1	LAVATORY (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD: AMERICAN STANDARD 0355.012 LUCERNE ALT: CRANE 1412-20 "HARWICH" 20X18" VITREOUS CHINA; JAY R SMITH #722 CONCEALED HANGER; OLYMPIA #L6161 SINGLE HANDLE FAUCET (AMERICAN STANDARD 9141.011 TO BE USED @ KINDER & ELEMENTARY APPLICATIONS ONLY) (0.5 GPM)
FD 1	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005YA-02-P050-NB - FLOOR DRAIN TAPPED FOR PRIMER, 5" NICKEL BRONZE STRAINER w/ 1/2" MAX GRATE OPENINGS IN ALL DIRECTIONS
TP 1	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"X12" LOCKABLE BOX, 1/2" BALL SHUT OFF VALVE, AND PPP DU-U FRESH WATER DISTRIBUTION SYSTEM
GB 1	GRAB BAR	-	-	-	-	BOBRICK B-6806-1-1/2 OC STAINLESS STEEL GRAB BAR - SATIN FINISH; 36" LONG ON BACK AND 42" ON SIDE. OPTIONAL 24" @ REAR @ HEIGHTS OTHER THAN ADULT
MR 1	MIRROR	-	-	-	-	RESTROOM MIRRORS TO BE BOBRICK B-165 24x36 CLASSIC SERIES FRAMED MIRRORS
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 #350 AND BUBBLER JSB-10
WH 1	WATER HEATER	3/4"	3/4"	-	-	☒ A.O. SMITH #DEL-6 (6 GALLON) ☐ 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 / BI-LEVEL HAC8FSBL-Q / COOLING TYPE



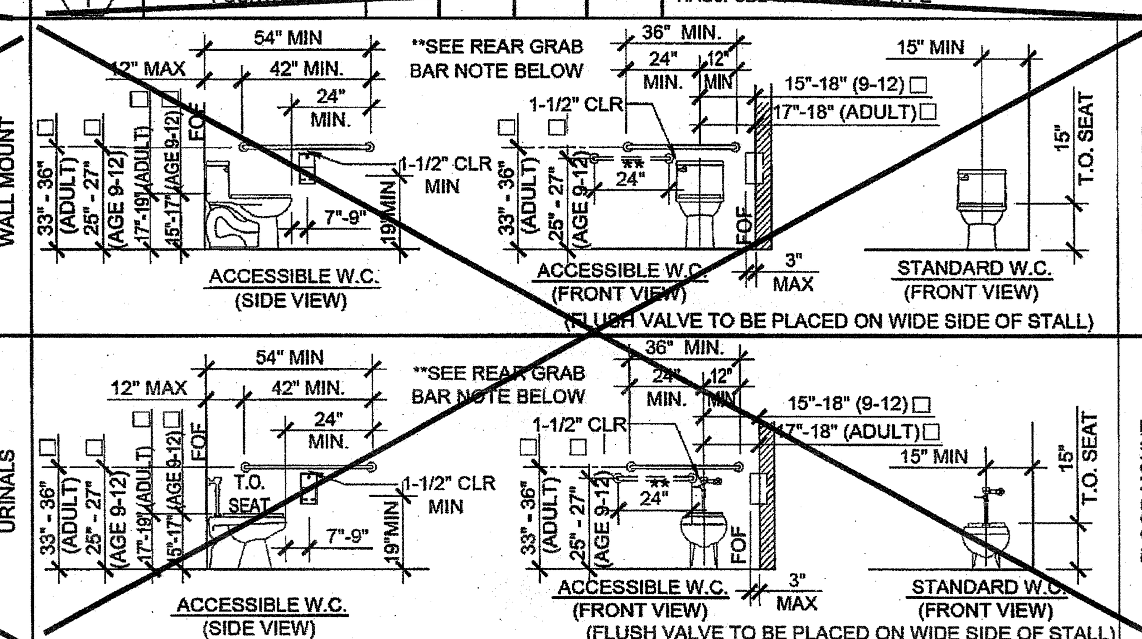
SINK CABINET WASTE | 13



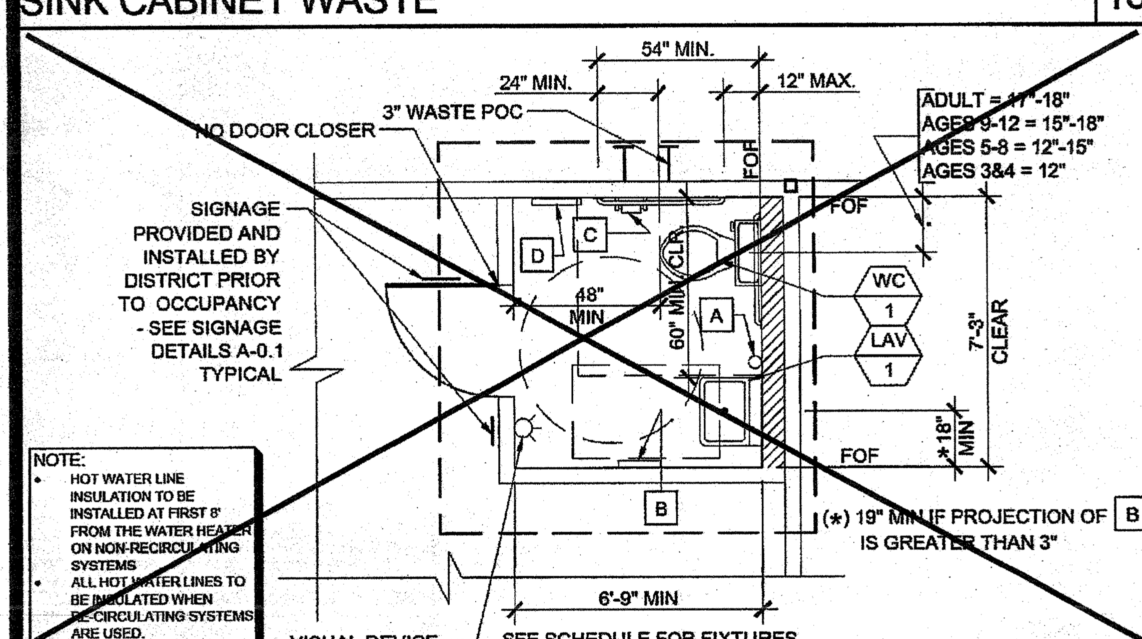
TRAP PRIMER TO FLOOR DRAIN SCALE: N.T.S. | 8



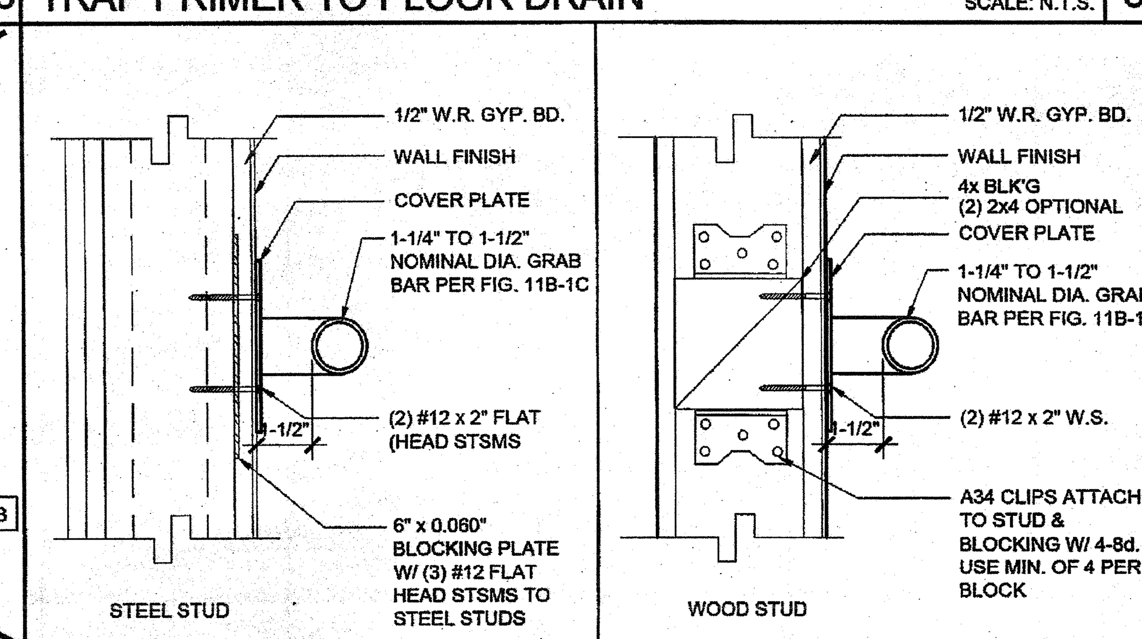
TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) | 3



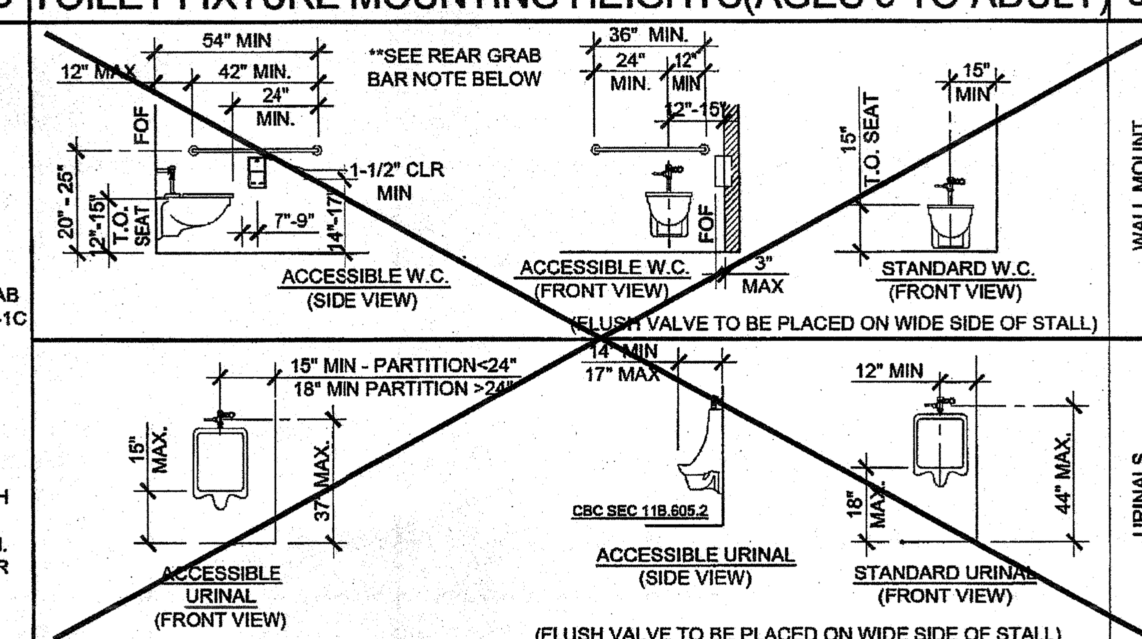
TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) | 16



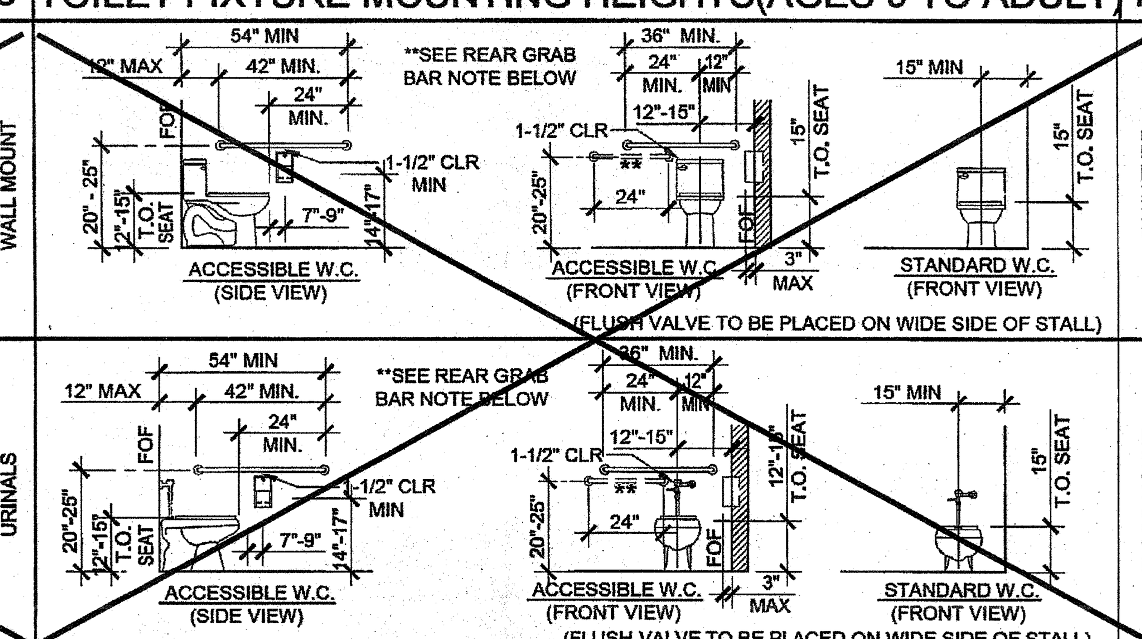
TYPICAL TOILET ROOM PLAN | 14



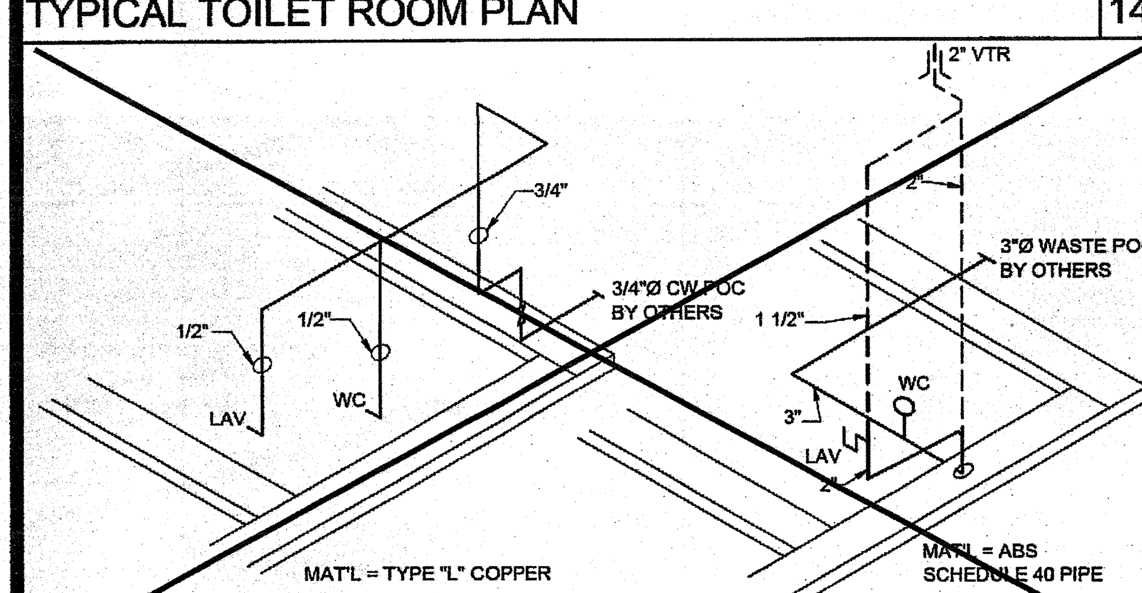
GRAB BAR CONNECTION DETAIL | 9



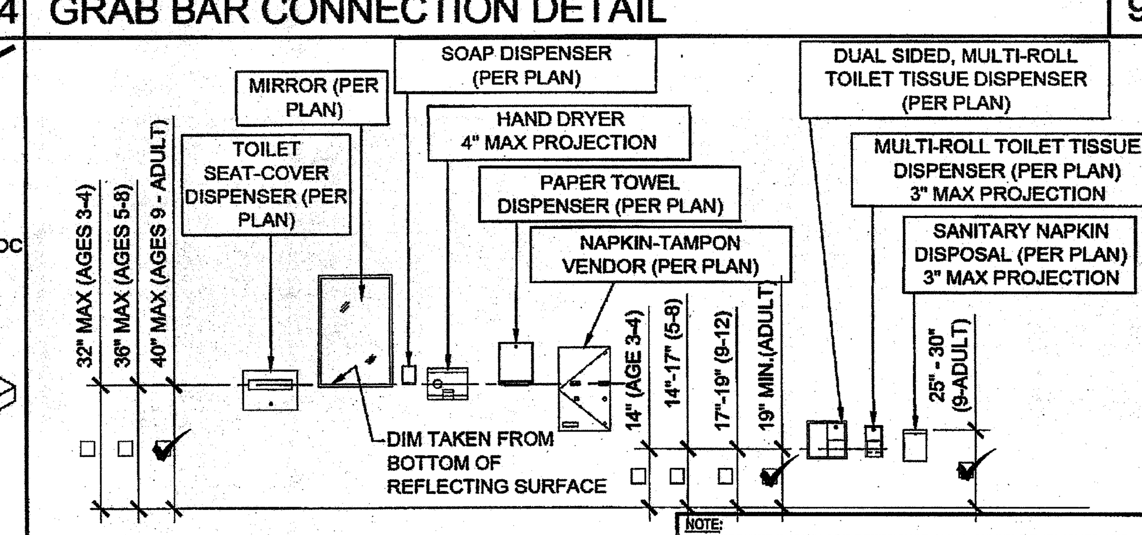
TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) | 4



TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) | 17



TOILET ROOM COLD WATER SUPPLY AND WASTE | 15

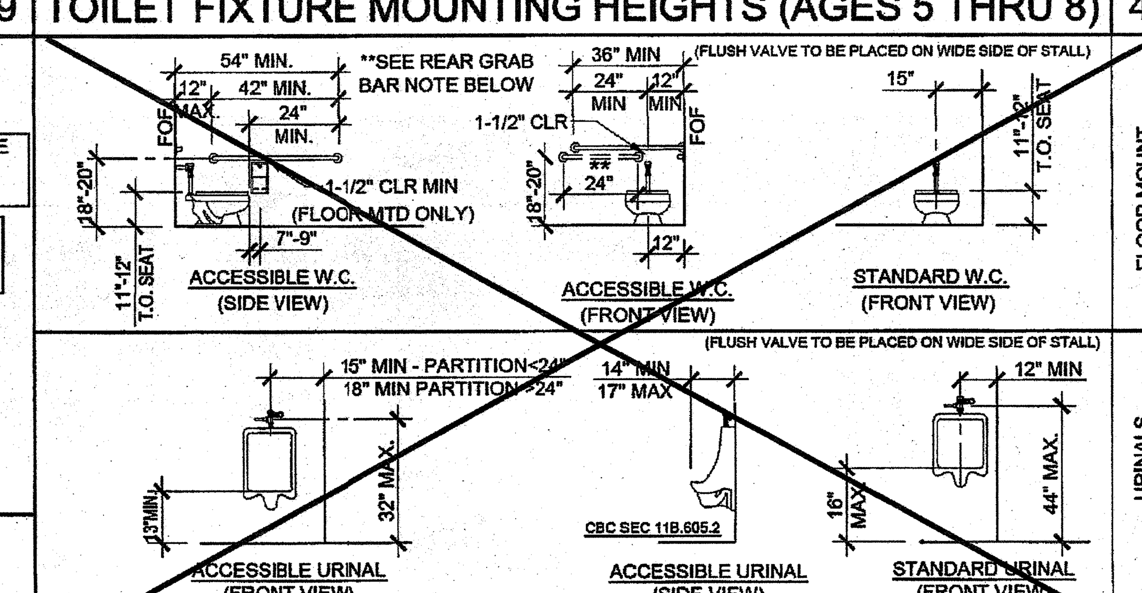


* MOUNTING HEIGHTS SHOWN ARE TYPICAL UNLESS NOTED OTHERWISE

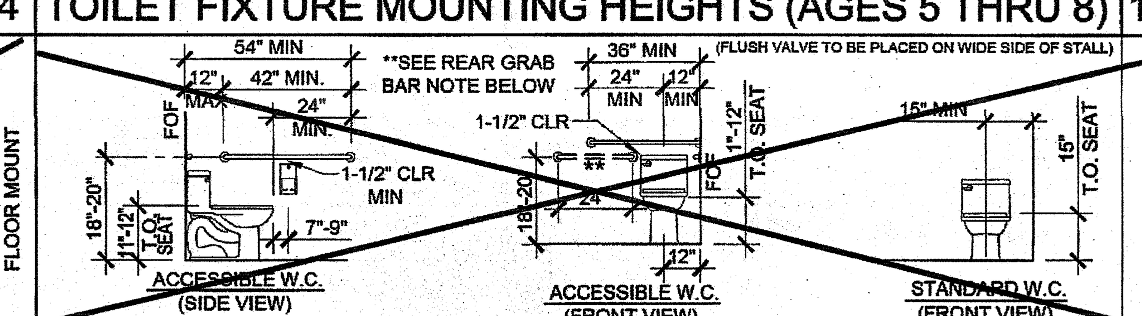
MAXIMUM 4" PROJECTION FOR ALL ACCESSORIES (UNO)

NOTE:
ACCESSORIES SHOWN FOR REFERENCE ONLY - MODELS FURNISHED AND INSTALLED BY DISTRICT.
"DISTRICT" MUST SUBMIT CUT SHEETS TO D.S.A. FOR REVIEW/COMMENT/APPROVAL.

TOILET ACCESSORIES MOUNTING HEIGHTS | 10



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) | 5



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) | 18

** NOTE;
WHERE FLUSH VALVES OR TOILET TANKS CONFLICT WITH THE REAR GRAB BAR, THE 36" REAR GRAB BAR SHALL BE REPLACED W/ A 24" GRAB BAR AND SHIFTED TO THE OPEN SIDE OF THE TOILET AREA PER 11B-604.5.2. PROVIDE A 24" GRAB BAR AT SAME ELEVATION AS THE SIDE GRAB BAR WITH 1 1/2" MIN. CLEARANCE FROM FIXTURE OR CONTROL VALVE.

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

PLUMBING DETAILS AND SCHEDULE

LICENSED ARCHITECT
JACK F. SHIVELY III
C-33467
REN 01-31-2017
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC ✓ FLS ✓ SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAF
DATE AUG - 4 2015

REVISIONS

1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

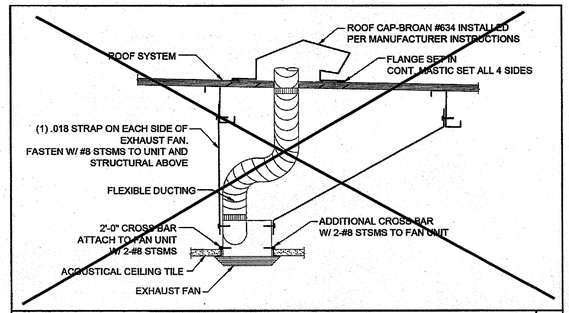
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

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	UC	UNDERCUT DOOR
T	STAT	THERMOSTAT
BT	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION



EXHAUST FAN INSTALLATION — SCALE : 1"=1'-0"

CEILING MOUNTED EXHAUST FAN SCHEDULE

SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL VOLTS	ELECTRICAL Ø	ELECTRICAL POWER	WGT.	REMARKS
EF 1	CEILING	TOILET EXHAUST	BROAN*	676	100	4.0	0.25	120	1	156 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	87 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 8" 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 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

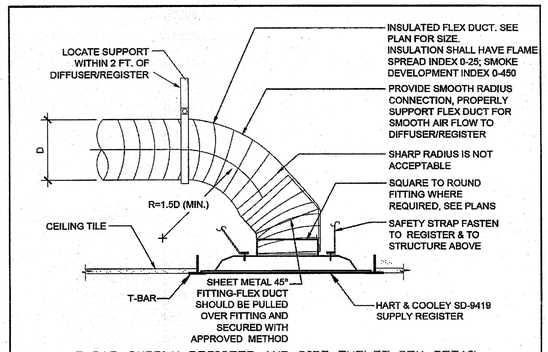
OR APPROVED EQUAL.

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR SUPPLY 18X18-4W	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw For lay-in T-bar ceilings use Harth & Cooley SD-9419 . (Sizes as shown on Mech Plan)
	8"Ø	150 - 230	
	10"Ø	230 - 350	
	12"Ø	350 - 460	
	14"Ø	460 - 640	

PERFORATED FACE GRILLE SCHEDULE (RETURN)

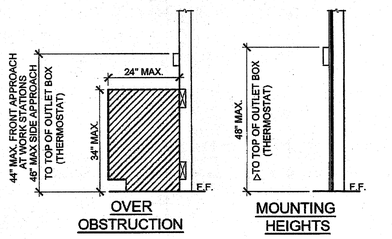
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR RETURN	6"Ø	0 - 230	Perforated face For lay-in T-bar ceilings use Shoemaker 105P with 24 ga., 45 deg. angle. (Sizes as shown on Mech Plan.)
	10"Ø	230 - 460	
	14"Ø	460 - 710	



T-BAR SUPPLY REGISTER AND SIDE OUTLET BOX DETAIL

N.T.S.

SUPPLY CEILING DIFFUSER MOUNTING — SCALE: NONE — D



△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR FRONT APPROACH PERPENDICULAR TO WALL

△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR FRONT APPROACH PERPENDICULAR TO WALL AT EACH LOCATION

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 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

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 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.

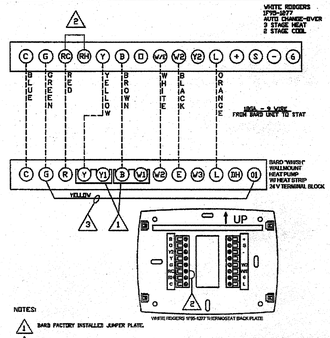
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

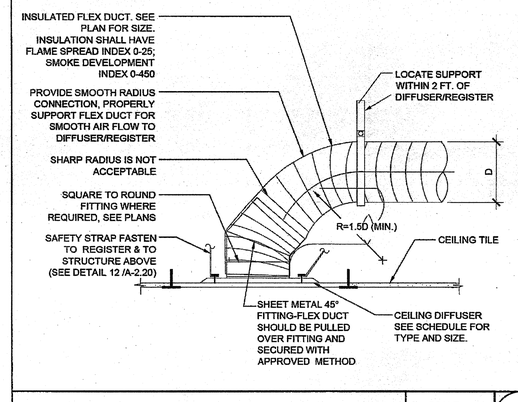
THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

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

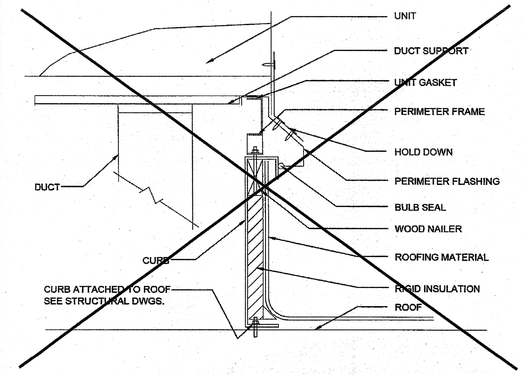
THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



UNIT TO THERMOSTAT WIRING — SCALE: NONE — A



RETURN CEILING DIFFUSER MOUNTING — SCALE: NONE — B



A/C UNIT MOUNTING — SCALE: NONE — C

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

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

MECHANICAL NOTES, SCHEDULES, & DETAILS

LICENSED ARCHITECT — CHRISTOPHER SHIELDS III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117390
ACS — FLS — SS
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
DRAWN BY:	
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DATE:	01-30-15

P.C. SHEET NUMBER

M-0.1

NOT USED | 2

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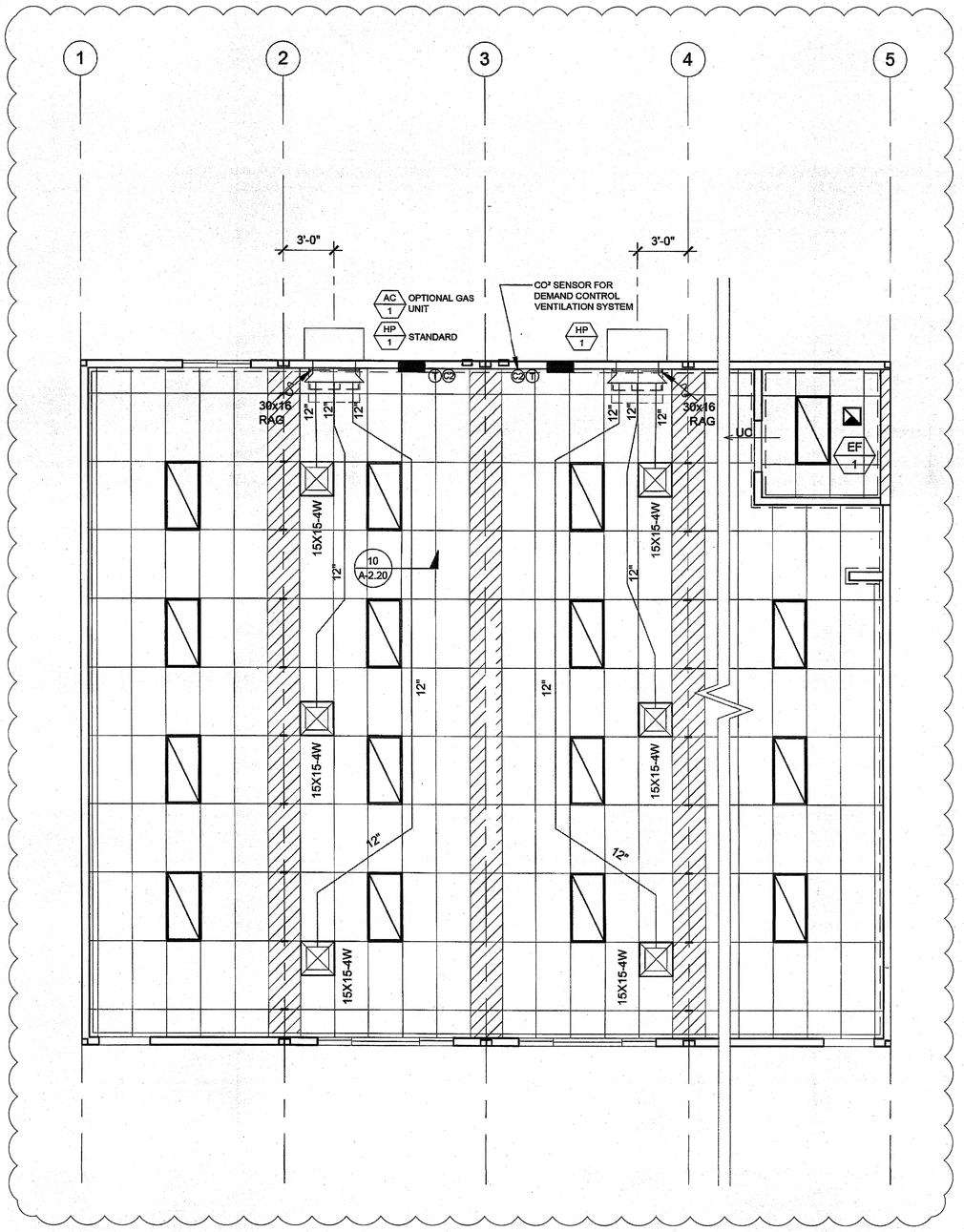

MECHANICAL PLAN - STANDARD 4 LIGHT CONFIGURATION

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

9 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	57
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,700
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	550#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

10 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	S49H2-A05	S61H2-A05	S42H2-A04
CFM	1400	1450	1250
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	65	69	55
MOCP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	34,400	37,900	31,200
TOTAL COOLING @ 95° F	48,000	55,000	41,500
HEATING CAP. BTUH @ 47° F	45,000	52,000	39,000
HEATING CAP. BTUH @ 17° F	26,000	30,000	23,000
OPERATING WEIGHT	550#	580#	550#
EER	10.00	10.40	10.50
COP @ 47° F	3.00	3.00	3.20
COP @ 17° F	2.00	2.00	2.10

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

9 EER (GAS ALTERNATE)

SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE

	STANDARD	OPTION #1	OPTION #2
TAG	AC-1	AC-1	AC-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48G2-AXB	W60G2-AXB	W42G2-AXB
CFM	1600	1750	1300
STATIC PRESSURE	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT
MCA	38	40	32
MOCP	50	60	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,200	40,700	30,500
TOTAL COOLING @ 95° F	46,500	57,000	40,500
HEATING INPUT	75,000	75,000	75,000
HEATING OUTPUT	61,500	61,500	61,500
OPERATING WEIGHT	710#	725#	700#
EER	9.7	9.8	9.8
THERMAL EFFICIENCY (TE)	82	82	82

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND TE VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

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SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

MECHANICAL PLAN
WALL MOUNT
48' TO 120' x 40'

LICENSED ARCHITECT — KEE SHIVELY III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS JW
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

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SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:	
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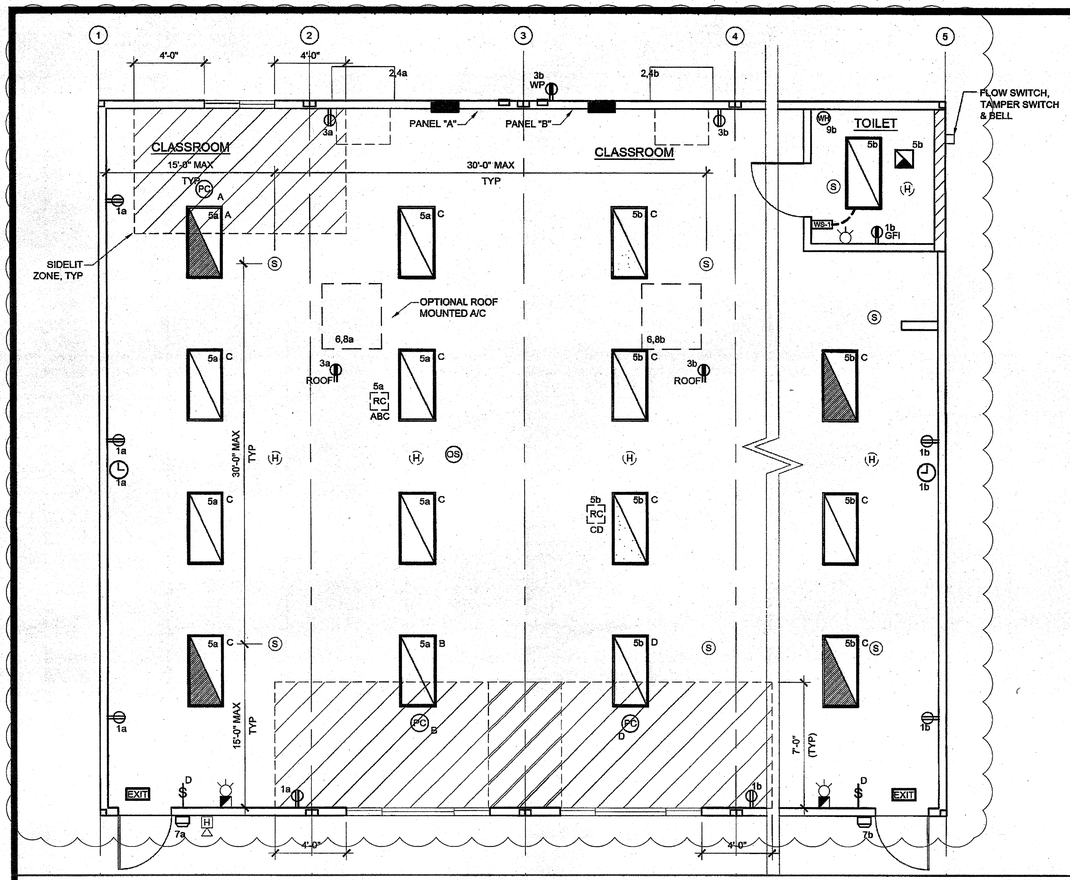
DATE:	01-30-15

P.C. SHEET NUMBER

M-1.03

REFER TO SHEET "M-1.03N" FOR PROJECT SPECIFIC

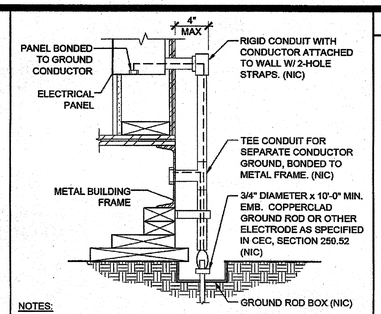


ELECTRICAL PLAN

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

NOT USED

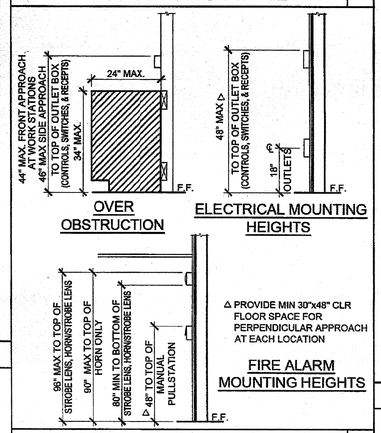
NOT USED



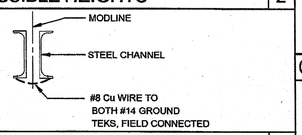
NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).

TYPICAL GROUNDING DETAIL | 1



ACCESSIBLE HEIGHTS | 2



GROUND JUMPER AT MODLINE | 3

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 8'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

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 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

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 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 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

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 #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR 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 CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
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, 10.6.5.2.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED 1/2" C	3/4" C	1" C	1 1/4" 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
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
684	4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- ~~2'x4' CEILING~~ LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ~~ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL~~
- 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
- (OS) CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL.
- (PC) CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500
- (US) ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- (WS-1) 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.
- (RC) LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER, INSTALLED ABOVE CEILING, LOCATION AND # OF LOADS/ZONES TO BE VERIFIED, ~~WATTSTOPPER #LMRC-206~~
- D SINGLE BUTTON DIMMER SWITCH, AT +48" AFF. TO TOP OF OUTLET BOX, WATTSTOPPER #LMDM-101
- LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- 3 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
- WP EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24 " AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GFI GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EM EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT EXIT SIGN WITH 90 MIN. 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 PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- H 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- 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 PULL STRING
- S 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- H 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- WH 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 DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY UNIT 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 OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.~~
- FS DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER SWITCH AND BELL

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: "A" | LOCATION: INTERIOR ACCESS | FEED: REAR | MAIN: 100 A | MOUNTING: FLUSH

LOAD	QTY	WATTS A∅	WATTS B∅	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS A∅	WATTS B∅	QTY	LOAD
RECEPTACLES/CLOCK	5	900		20	1	1			2	60	2	6670		1	4 TON HVAC - WALL MOUNT (4 KW)
RECEPTACLES/ROOF RECEPT GFI	2		360	20	1	3			4	-	-		6670		-
INTERIOR LIGHTING	8	960		20	1	5			6	70	2	7360		1	4 TON HVAC - ROOF MOUNT (OPT.)
EXTERIOR LIGHTING	1		40	20	1	7			8	-	-		7360		-
						9			10						DED. - SOLAR READY
						11			12						DED. - SOLAR READY
						13			14	20	1		40	1	FIRE ALARM (NOTE #2)
A = 9,220 WATTS / PHASE		1860	400									7360	7400		B = 7,800 WATTS / PHASE

TOTAL = 17,020 WATTS | 82 AMPS | 120/208 VOLTS | 1 ∅ | 3 WIRE

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: "B" | LOCATION: INTERIOR ACCESS | FEED: REAR | MAIN: 100 A | MOUNTING: FLUSH

LOAD	QTY	WATTS A∅	WATTS B∅	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS A∅	WATTS B∅	QTY	LOAD
RECEPTACLES/CLOCK	5	900		20	1	1			2	60	2	6670		1	4 TON HVAC - WALL MOUNT (4 KW)
RECEPTACLES/ROOF RECEPT OR EXT GFI	2		360	20	1	3			4	-	-		6670		-
INTERIOR LIGHTING/FAN	9	786		20	1	5			6	70	2	7360		1	4 TON HVAC - ROOF MOUNT (OPT.)
EXTERIOR LIGHTING	1		40	20	1	7			8	-	-		7360		-
WATER HEATER (OPT.)	1	1500		20	1	9			10						DED. - SOLAR READY
						11			12						DED. - SOLAR READY
						13			14	20	1		40	1	FIRE ALARM (NOTE #2)
A = 10,546 WATTS / PHASE		3186	400									7360	7400		B = 7,800 WATTS / PHASE

TOTAL = 18,346 WATTS | 88 AMPS | 120/208 VOLTS | 1 ∅ | 3 WIRE

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD HORACE MANN ES 48x40 OFFICE BUILDING

SHEET TITLE:

ELECTRICAL PLAN AND SCHEDULE 48' TO 120' x 40'

LICENSED ARCHITECT — JACK S. SHIVELY III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP 03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS DAW
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAF
DATE AUG - 4 2015

REVISIONS

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3.
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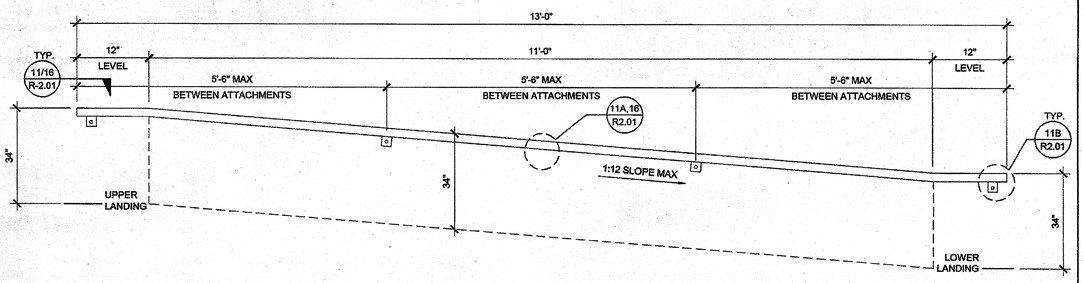
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15

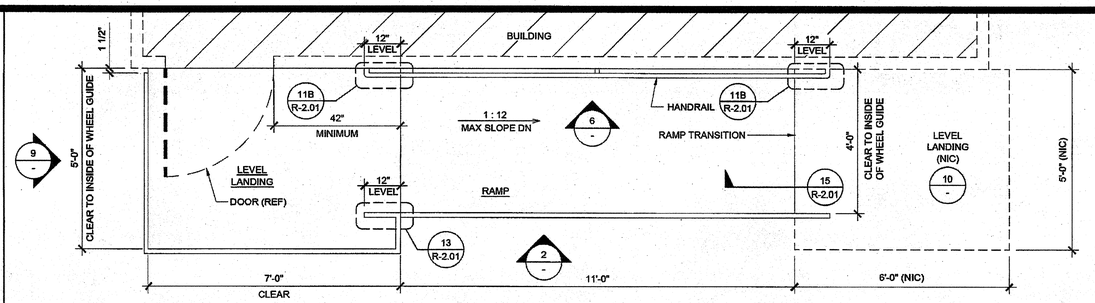
P.C. SHEET NUMBER
E-1.03

REFER TO SHEET "E-1.03N" FOR PROJECT SPECIFIC



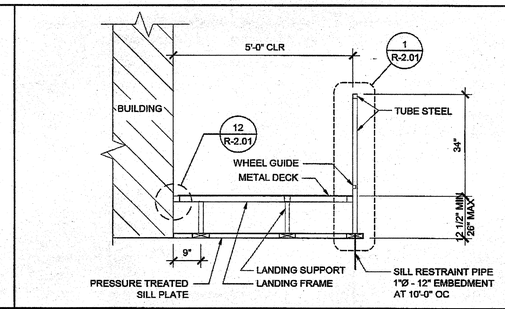
HANDRAIL ATTACHMENT TO BUILDING

SCALE : 1" = 1'-0" | 6



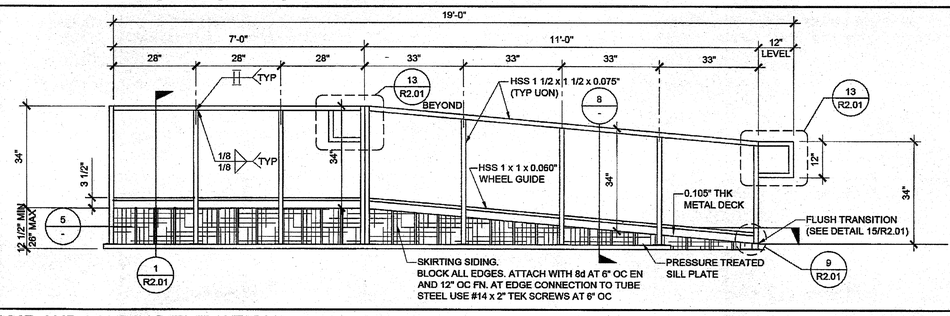
RAMP AND LANDING AT BUILDING

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



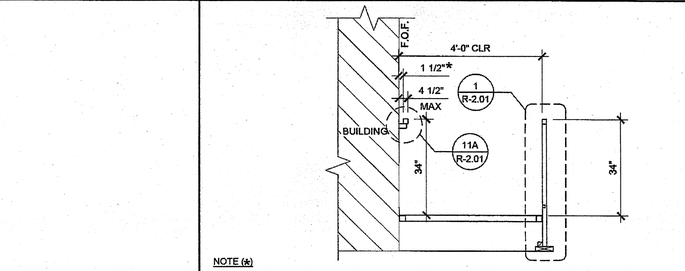
SECTION AT LANDING

SCALE : 1/2" = 1'-0" | 7



RAMP AND LANDING ELEVATION

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

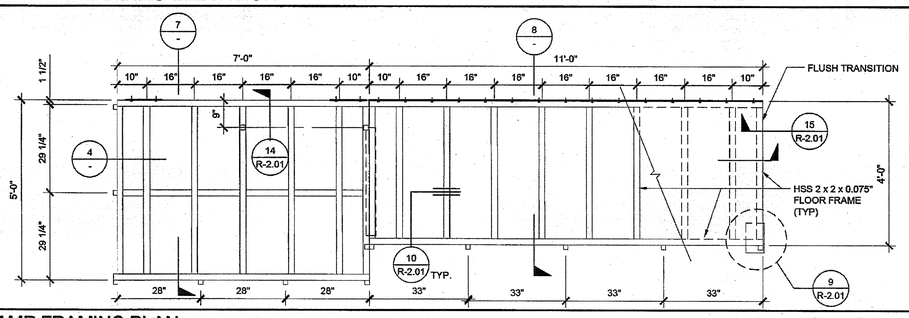


NOTE (*)

1. ALL HANDRAIL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

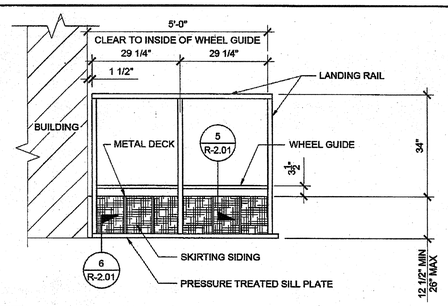
SECTION AT RAMP

SCALE : 1/2" = 1'-0" | 12



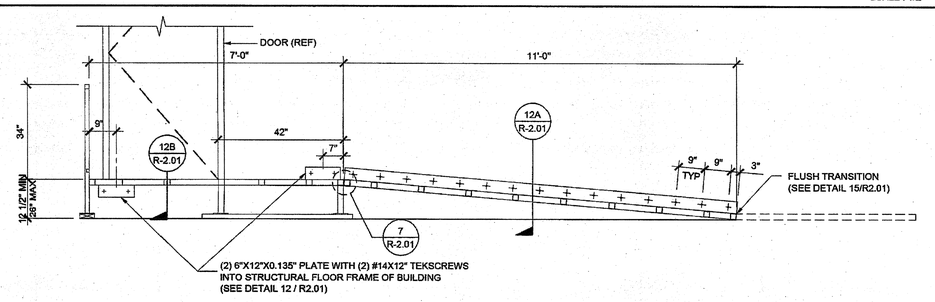
RAMP FRAMING PLAN

SCALE : 1/2" = 1'-0" | 8



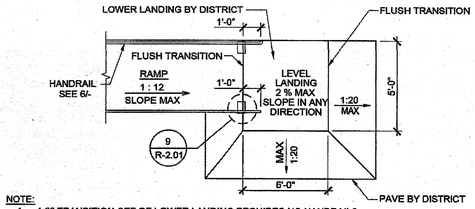
LANDING ELEVATION

SCALE : 1/2" = 1'-0" | 13



SECTION AT RAMP AND LANDING

SCALE : 1/2" = 1'-0" | 9

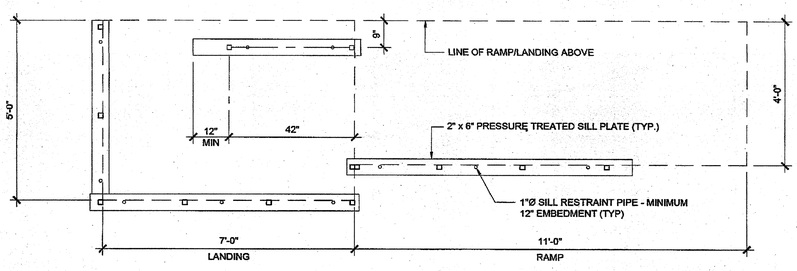


NOTE:

1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT. (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

RAMP TRANSITION

SCALE: NTS | 14



SILL PLAN FOR RAMP AND LANDING

SCALE : 1/2" = 1'-0" | 10 | 5

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SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

RAMP LANDING

LICENSED ARCHITECT — ROY F. SNIVELY III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS DW
DATE APR 2 6 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
XXX
AC FLS SS RAF
DATE AUG - 4 2015

REVISIONS

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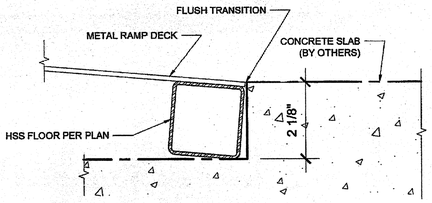
SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

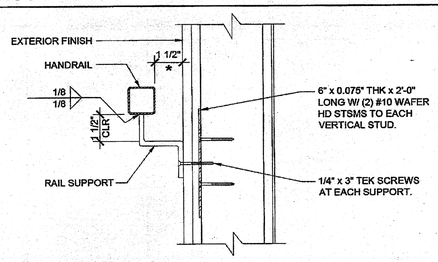
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

R-1.01



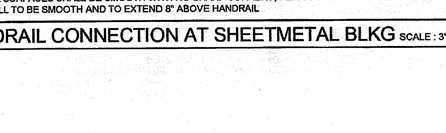
FLUSH TRANSITION AT BOTTOM OF RAMP SCALE : 6" = 1'-0" 15



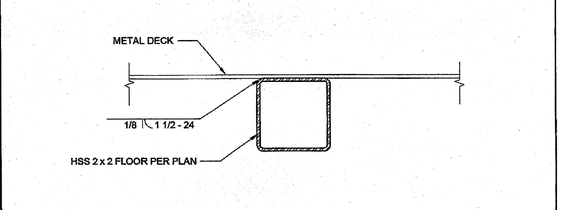
NOTE (*)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-405.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

HANDRAIL CONNECTION AT SHEETMETAL BLKG SCALE : 3" = 1'-0" 16

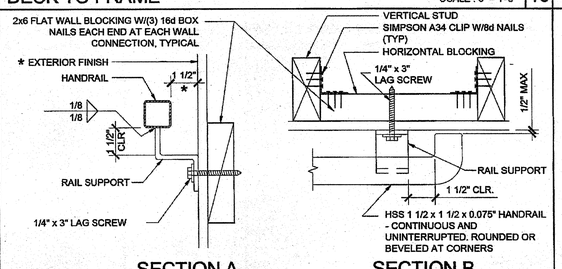
17



EXTEND HANDRAIL @ TOP OR BOTT. ENDS SCALE : 3" = 1'-0" 13



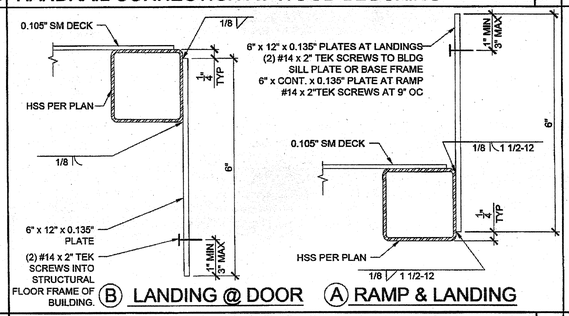
DECK TO FRAME SCALE : 6" = 1'-0" 10



SECTION A SECTION B

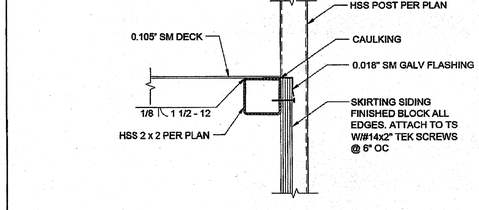
NOTE (*)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-405.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

HANDRAIL CONNECTION AT WOOD BLOCKING SCALE : 3" = 1'-0" 11

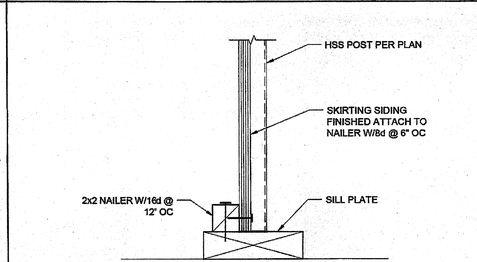


Ⓑ LANDING @ DOOR Ⓐ RAMP & LANDING

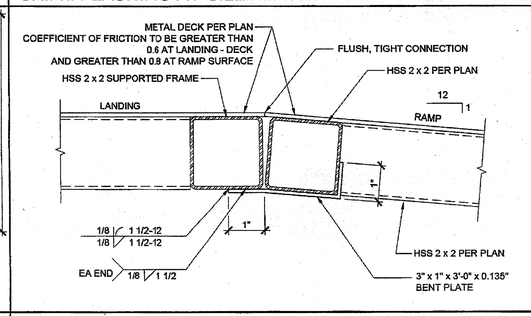
12



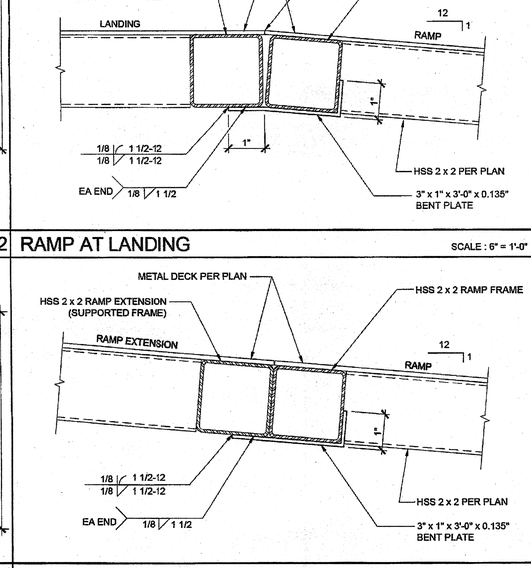
SKIRT FLASHING SCALE : 3" = 1'-0" 5



SKIRT FLASHING AT SILL PLATE SCALE : 3" = 1'-0" 6

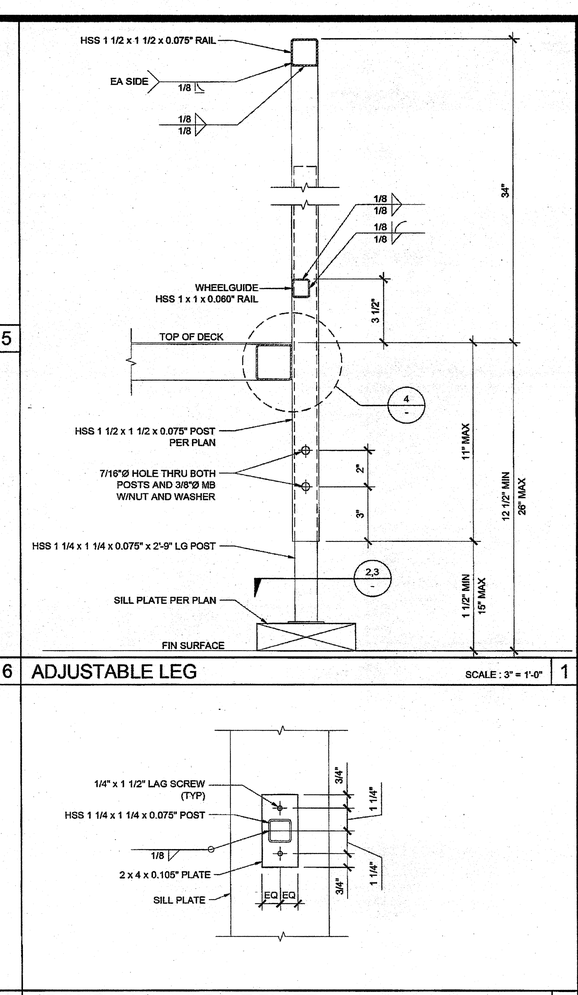


RAMP AT LANDING SCALE : 6" = 1'-0" 7



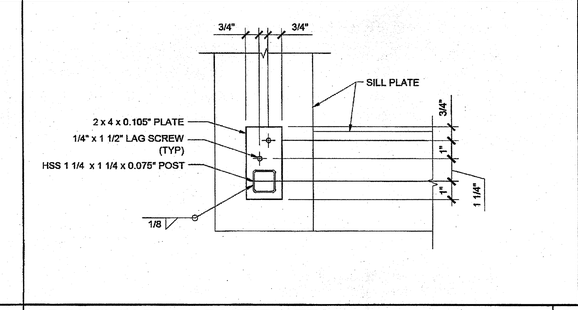
RAMP EXTENSION SCALE : 6" = 1'-0" 8

BASE PLATE AT RAMP TOE SCALE : 3" = 1'-0" 9

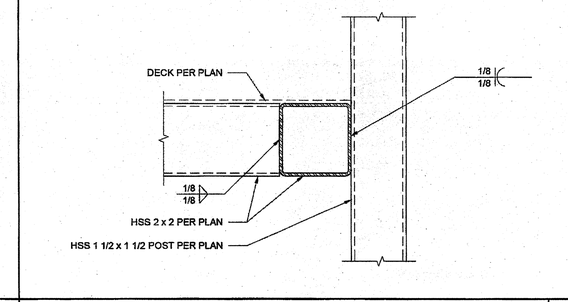


ADJUSTABLE LEG SCALE : 3" = 1'-0" 1

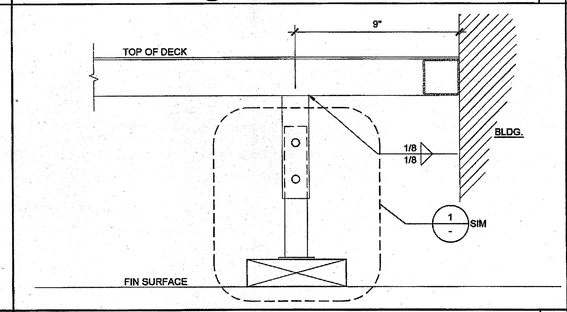
ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" 2



ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" 3



GUARDRAIL POST ATTACHMENT SCALE : 6" = 1'-0" 4



INTERIOR LANDING LEG SECTION SCALE : 3" = 1'-0" 14

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SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

RAMP DETAILS

LICENSED ARCHITECT — JOHN R. RITTENHOUSE III — C-33467 — REN 01-31-2017 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP 03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAF
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES 24' x 40' PC - 2:12 PITCH	
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

R-2.01

PC 04-101268

RELOCATABLE CLASSROOM BUILDINGS
BUILDING SIZE: 24'x40'
MODTECH JOB #4134

CLASS LEASING

STOCKPILE # 62

JOB #		SERIAL NUMBER	
# 4153	MONO	55976 - 56045 (35)	CR
# 4134	DUAL	56082 - 56099 (9)	RH/CR
# 4134	DUAL	56112 - 56117 (3)	W/SINK
# 4134	DUAL	56138 - 56139 (1)	ADMIN
# 4134	DUAL	56136 - 56137 (1)	COMPUTER
# 4161	DUAL	56159 - 56174 (8)	CR
# 4173	MONO	56591 - 56596 (3)	CR
# 4203	DUAL	56846 - 56847 (1)	CR
# 4207	DUAL	56868 - 56873 (3)	CR
# 4215	DUAL	56961 - 56973 (7)	CR 5-TON AC
# 4250	MONO	57453 - 57454 (1)	CR W/SINK
# 4284	DUAL	57675 - 57678 (2)	CR W/TOILET ROOM
# 4302	DUAL	57939 - 57942 (2)	CR
# 4350	MONO	58849 - 58852 (2)	CR

BUILDING A – STANDARD CLASSROOM
BUILDING B – ADMINISTRATION
BUILDING C – COMPUTER LAB

JOB #		SERIAL NUMBER	
# 4304	DUAL	57948 - 57955 (4)	58107 - 58108 (1)
# 4347	DUAL	58839 - 58848 (5)	
# 4422	MONO	60102 - 60107 (3)	
# 4506	MONO	47150-01/02 THRU 47158-01/02 (9)	

100 BUILDINGS TOTAL

REVISED NOV 0 9 2001

CBC 1998

01 104169
APR 18 2002
FW: Expires 12/31 ACF: R. Mikkelsen

1

"AS ALTERNATE FOR ALL SHOT PIN ATTACHMENTS, USE #10 S.T.M.S. AT THE SAME SPACING."

#10 USE MAX. 3/8" MATERIAL
#12 USE MAX. 1/2" MATERIAL

BUILDING DATA

STRUCTURAL DESIGN: RIGID FRAME
TYPE OF CONSTRUCTION: V-N
WIND LOAD (EXP C): 80 MPH
FLOOR LIVE LOAD: 50 PSF, 50+20 PSF
ROOF LIVE LOAD: 20 PSF
OCCUPANCY: 24'x40' CLASSROOM: E-2/B

BUILDING AREA: 24'x40' BUILDING – 960 SF

APPLICABLE CODES

- 1998 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR
- 1998 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (1997 UNIFORM BUILDING CODE VOLUMES 1-3 AND 1998 CALIFORNIA AMENDMENTS)
- 1998 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (1996 NATIONAL ELECTRICAL CODE AND 1998 CALIFORNIA AMENDMENTS)
- 1998 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (1997 UNIFORM MECHANICAL CODE AND 1998 CALIFORNIA AMENDMENTS)
- 1998 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (1997 UNIFORM PLUMBING CODE AND 1998 CALIFORNIA AMENDMENTS)
- 1998 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (1997 UNIFORM FIRE CODE AND 1998 CALIFORNIA AMENDMENTS)
- 1998 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 CCR
- (1990 TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS)

APPLICABLE STANDARDS

- NFPA 13 – AUTOMATIC SPRINKLER SYSTEMS – 1996 EDITION
- NFPA 14 – STANDPIPE SYSTEMS – 1993 EDITION
- NFPA 17A – WET CHEMICAL SYSTEMS – 1990 EDITION
- NFPA 24 – PRIVATE FIRE MAINS – 1992 EDITION
- NFPA 72 – NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) – 1998 EDITION (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")
- NFPA 253 – CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS – 1989 EDITION
- NFPA 2001 – CLEAN AGENT FIRE EXTINGUISHING SYSTEMS – 1994 EDITION
  REFERENCE CODE SECTION FOR NFPA STANDARDS – CBC (SFM) 3504.1

LEGEND

SYMBOL	DESCRIPTION
1/A1.01	DETAIL (1) ON SAME SHEET AS SYMBOL
1/2	DETAIL (1) ON SHEET (2)
1	KEY NOTE (1) ON SAME SHEET AS SYMBOL
A/2	SECTION "A" ON SHEET (2)
1	REVISION/CHANGE IN DRAWING. (1) IS FIRST REVISION
CLOUD	HIGHLIGHTS CHANGED AREA
1	DOOR REFERENCE
A	WINDOW REFERENCE
EL	ELECTRICAL ITEM(S) SEE ELECTRICAL DRAWINGS
HV	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
PLG	PLUMBING ITEM(S) SEE MECHANICAL DRAWINGS
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS
FIN	FINISH ITEM(S) SEE FINISH SCHEDULE
RAMP	RAMP – SEE RAMP DRAWINGS

ABBREVIATIONS

AGC	ABOVE GRADE CONCRETE
BGC	BELOW GRADE CONCRETE
DIA	DIAMETER
CLR	CLEAR
GA	GAUGE
SIM	SIMILAR
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSB	ORIENTED STRAND BOARD
SIM	SIMILAR
STS	SELF TAPPING SCREW
STSMS	SELF TAPPING SHEET METAL SCREW
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

SHEET INDEX

ARCHITECTURAL – SITE SET-UP

A0.01 COVER SHEET
A1.01A FLOOR PLAN A – 24'x40' STANDARD/COMPUTER LAB
~~A1.01B FLOOR PLAN B – 24'x40' ADMINISTRATION~~
~~A2.01 ROOF PLAN – 26 GA – DUAL PITCH~~
~~A2.02 ROOF PLAN – 26 GA – SINGLE PITCH~~
~~A2.03 ROOF DETAILS – 26 GA~~
A3.01A EXTERIOR ELEVATIONS – 26 GA – DUAL PITCH – STD/C LAB
~~A3.01B EXTERIOR ELEVATIONS – 26 GA – DUAL PITCH – ADMIN~~
~~A3.11A EXTERIOR ELEVATIONS – 26 GA – MONO PITCH – STD/C LAB~~
~~A3.11B EXTERIOR ELEVATIONS – 26 GA – MONO PITCH – ADMIN~~
~~A4.01A INTERIOR ELEVATIONS – 24'x40' STANDARD/COMPUTER LAB~~
~~A4.01B INTERIOR ELEVATIONS – 24'x40' ADMINISTRATION~~
~~A5.01 DOOR, WINDOW, FINISH, HARDWARE SCHEDULES~~
~~A5.11 ARCHITECTURAL DETAILS – WOOD STUDS~~
~~A6.01A REFLECTED CEILING PLAN – 24'x40' STANDARD/COMPUTER LAB~~
~~A6.01B REFLECTED CEILING PLAN – 24'x40' ADMINISTRATION~~
~~A6.11 REFLECTED CEILING DETAILS~~
~~A8.01 MISCELLANEOUS DETAILS~~

STRUCTURAL

F1.01 FOUNDATION PLAN – WOOD – 24'x40' – 50, 50+20, 100 PSF
~~F1.11 FOUNDATION PLAN – WOOD – 24'x40' – 125 PSF~~
F1.21 FOUNDATION DETAILS – 50, 50+20, 100 PSF
~~F1.22 FOUNDATION DETAILS – 125 PSF~~
~~F2.01 FOUNDATION PLAN – AGC – 50, 50+20, 100 PSF~~
F2.02 FOUNDATION PLAN – AGC – 100, 125 PSF
~~F2.11 FOUNDATION DETAILS – AGC~~
~~F3.01 FOUNDATION PLAN – BGC – 50, 50+20, 100 PSF~~
F3.02 FOUNDATION PLAN – BGC – 100, 125 PSF
~~F3.11 FOUNDATION DETAILS – BGC~~
~~S1.01 FLOOR FRAMING PLAN – WOOD DECK~~
~~S1.11 FLOOR FRAMING PLAN – CONCRETE DECK~~
~~S2.01 ROOF FRAMING PLAN – 26 GA – DUAL PITCH~~
~~S2.02 ROOF FRAMING PLAN – 26 GA – MONO PITCH~~
S3.01 STRUCTURAL FRAMING – 26 GA – DUAL PITCH
~~S3.02 STRUCTURAL FRAMING – 26 GA – MONO PITCH~~
~~S4.01 WALL FRAMING – WOOD STUDS~~
~~S4.02 WALL FRAMING DETAILS – WOOD STUDS~~

MECHANICAL

~~M1.01A HVAC PLAN – 24'x40' STANDARD/COMPUTER LAB~~
~~M1.01B HVAC PLAN – 24'x40' ADMINISTRATION~~

ELECTRICAL

E1.01A ELECTRICAL PLAN – 24'x40' STANDARD
~~E1.01B ELECTRICAL PLAN – 24'x40' ADMINISTRATION~~
~~E1.01C ELECTRICAL PLAN – 24'x40' COMPUTER LAB~~

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APP03 119040
AC KFLS SS
Date MAY 2 2003

RAMP

R1.01 RAMP/LANDING PLAN
R1.02 RAMP/STAIRS DETAILS
~~R2.01 OFFSET RAMP/LANDING PLAN~~
~~R2.02 OFFSET RAMP/STAIRS DETAILS~~
~~R3.01 FULL LENGTH RAMP/LANDING AND DETAILS~~
~~R4.01 CONCRETE RAMP/LANDING~~
~~R5.01 5 FOOT RAMP/LANDING~~

STKP-62

WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.

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REVISIONS			
1	SP	ADDED ALT NOTE AND ELEC. DWG'S	11/9/00
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal
GEORGE C. EDWARDS
No. 9-95-2-A
LICENSED ARCHITECT
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101268
AC DF SS
DATE SEP 07 2001
FW: Expires 12/31
ACF: R. Mikkelsen

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134, 4153, 4161
4173, 4203, 4207, 4215
4250, 4284, 4302, 4350
4304, 4347, 4373, 4422
4506

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DUAL

DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04/16/02

MODTECH Index No.

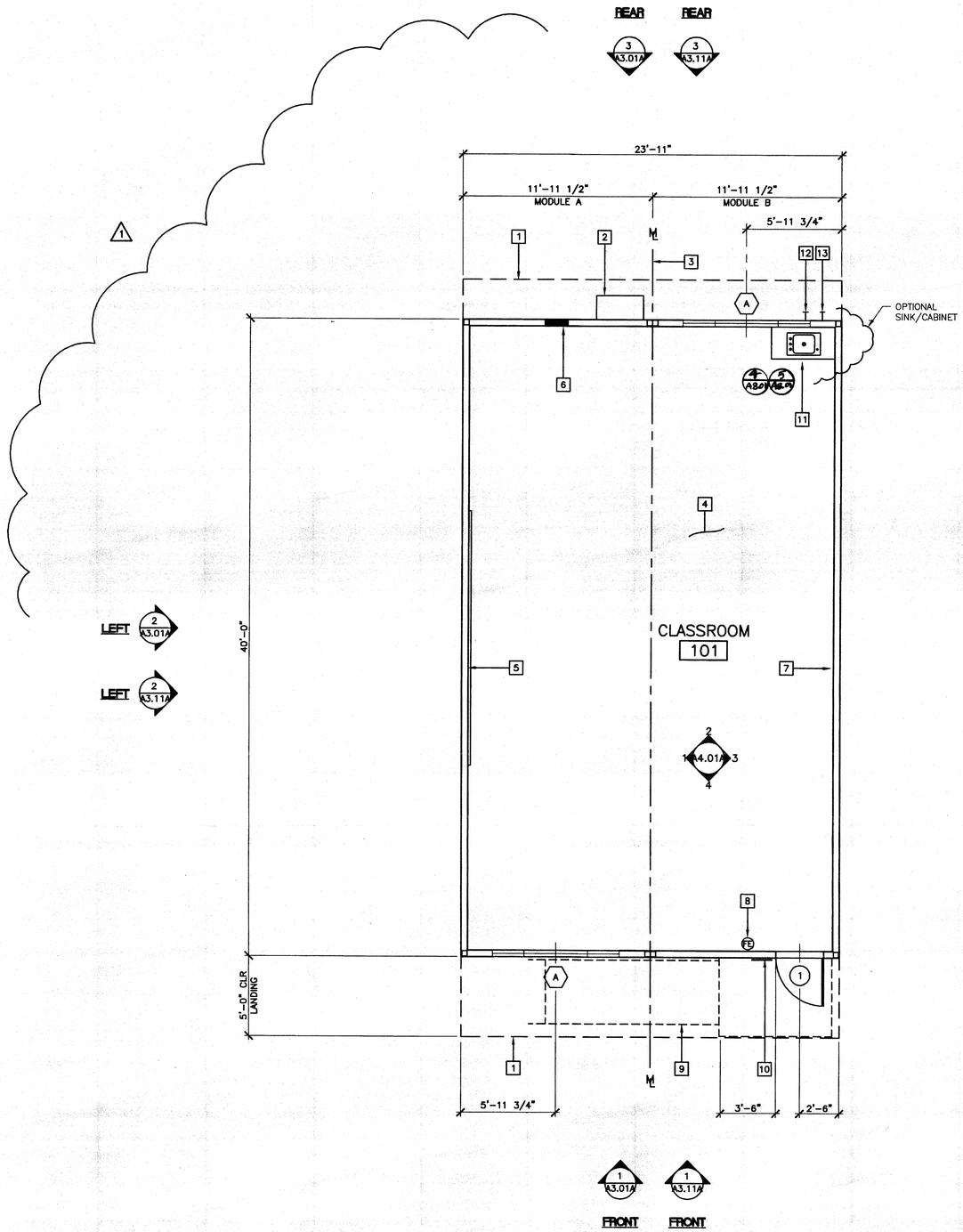
COVER SHEET

A0.01

FILE PATH: 2440-4134.DWG

PROJECT NO. 4134, 4153, 4161, 4207

PC-04-101268



KEY NOTES

1. ROOF OVERHANG
2. HVAC UNIT (HV)
3. MODLINE (M)
4. FINISH FLOORING (FIN)
5. INTERIOR FINISH (FIN)
6. ELECTRICAL PANEL (EL)
7. NOT USED
8. FIRE EXTINGUISHER – 5 POUNDS DRY CHEMICAL WITH 2A – 10BC UL RATING ON WALL MTD BRACKET, HANDLE AT 48" AFF
9. RAMP/LANDING (RAMP)
10. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. 5/A5.01
11. WATER POC
12. SEWER POC

NOTES

1. 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 AND EXPOSURE CATEGORY.
2. INSULATION MATERIALS INSTALLED WITHIN FLOOR/CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:
   (1) FOAM PLASTIC INSULATION SHALL COMPLY WITH SECTION 2602
   (2) WHEN MATERIALS ARE INSTALLED IN CONCEALED SPACES OF TYPES III, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH (CBC SECTION 707.3)
   (3) CELLULOSE LOOSE FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR PARTS 1209 AND 1404
3. INTERIOR SIDE WALLS MAY BE LOCATED ON EITHER SIDE OF MODLINE
4. DISTRICT TO PROVIDE OCCUPANT LOAD SIGN PRIOR TO OCCUPANCY.

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DATE SEP 07 1999

PC
CBC 1998
BASED ON PC 101268

APR 18 2002

FLOOR PLAN A/C (24'x40')

(BUILDING - "A" AS SHOWN).....
(BUILDING - "B" OPPOSITE HAND @ FRONT WALL).. x

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

STKP-62

REVISIONS			
1	MCA	MODIFIED FLOOR PLAN	04/15/02
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
REN. 9-30-03
STATE OF CALIFORNIA

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134, 4153, 4173, 4203 4207, 4215 4250, 4284, 4302, 4350 4304, 4347, 4373, 4422 4506

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FLOOR PLAN 24'x40' STANDARD/COMP LAB

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DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02

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A1.01A

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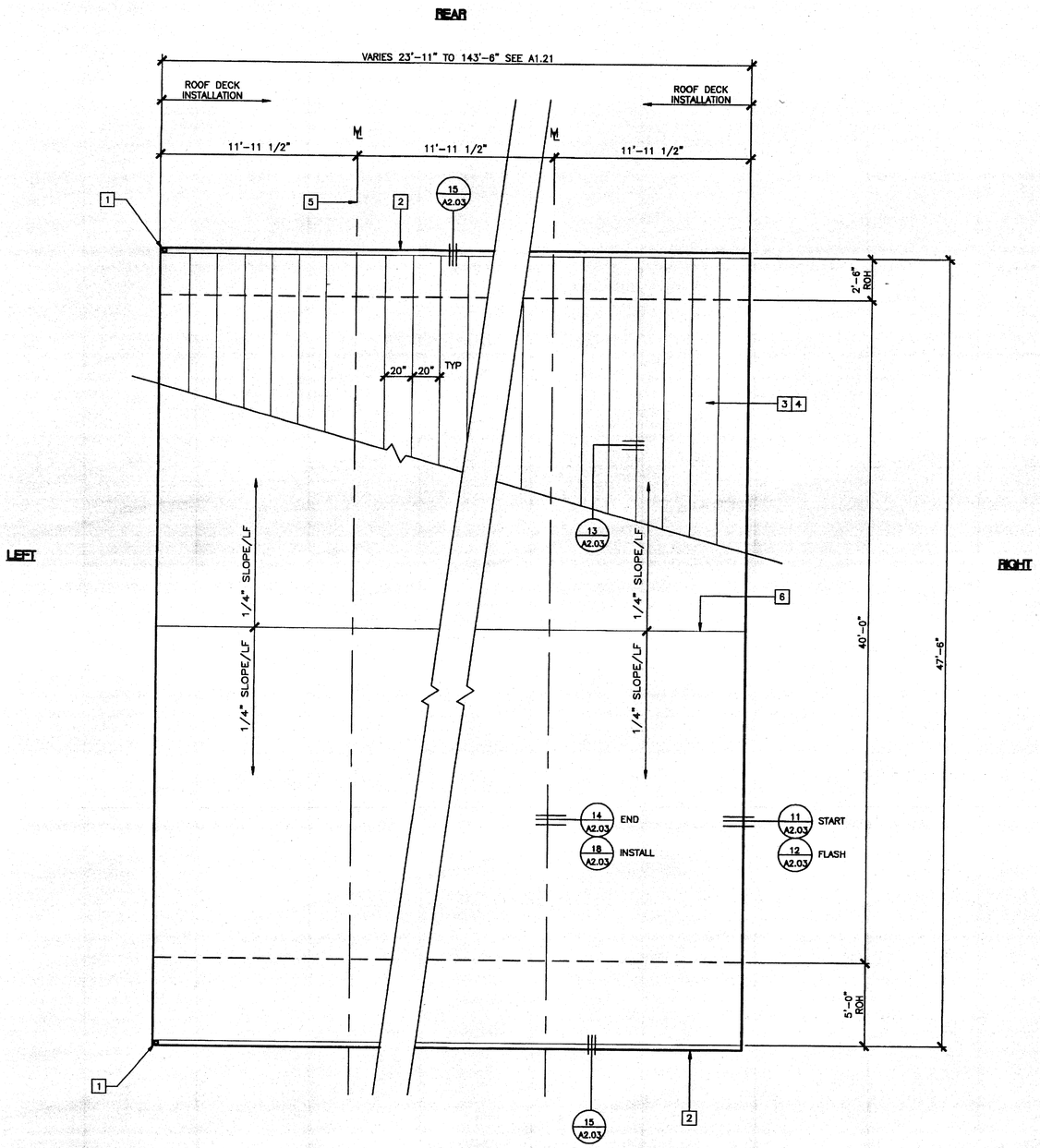
PROJECT NO: 4134, 4153, 4161, 4207

PC-04-101268



KEY NOTES

1. DOWNSPOUT – SEE A3.01A/A3.01B FOR SPECIFIC LOCATIONS.
2. CONTINUOUS GUTTER 26GA.
3. 26GA. MIN.–INTERLOCKING ROOF PANELS OVER AQUA BAR 15 (MHI) ROOFING UNDERLAYMENT (RADCO LISTING #1109) OVER 3/4" CDX PLYWOOD – CLASS A ROOFING SYSTEM
4. AS AN ALTERNATE TO 3/4" CDX PLYWOOD USE 3/4" LOUISIANA PACIFIC OSB, SEE SPECIFICATIONS.
5. MODLINE (℄)
6. RIDGELINE

NOTES

1. BUILDINGS HOUSING GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 15A – CLASS A OR B.

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APR 18 2002

PC
CBC 1998

ROOF PLAN

26 GA DUAL PITCH – (23'-11" TO 143'-6")
SCALE: 1/4" = 1'-0"

FILE PATH: 2440-4134.DWG

PROJECT NO. 4134, 4161

PC-04-101268

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REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

LICENSE EXPIRES 6-30-2000

Architects Seal

LICENSED ARCHITECT GEORGE C. EDWARDS REN. 9-30-03 STATE OF CALIFORNIA

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MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134

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DATE: 04-16-02

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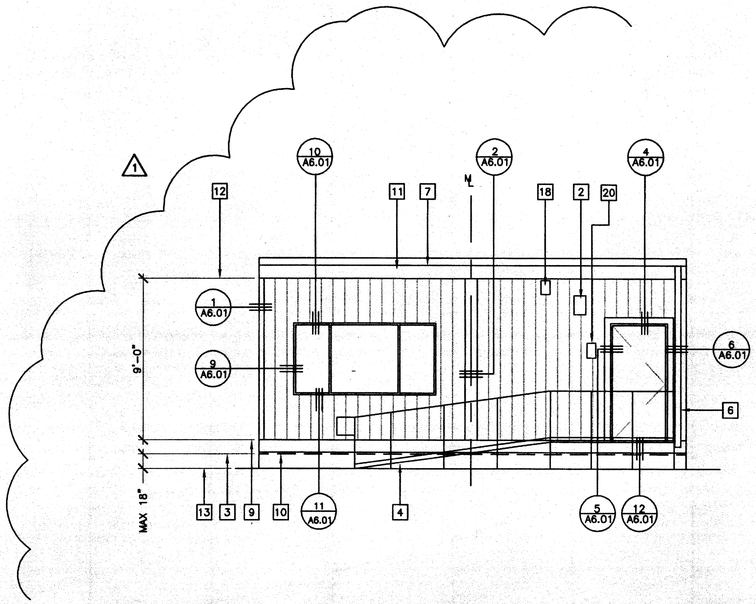
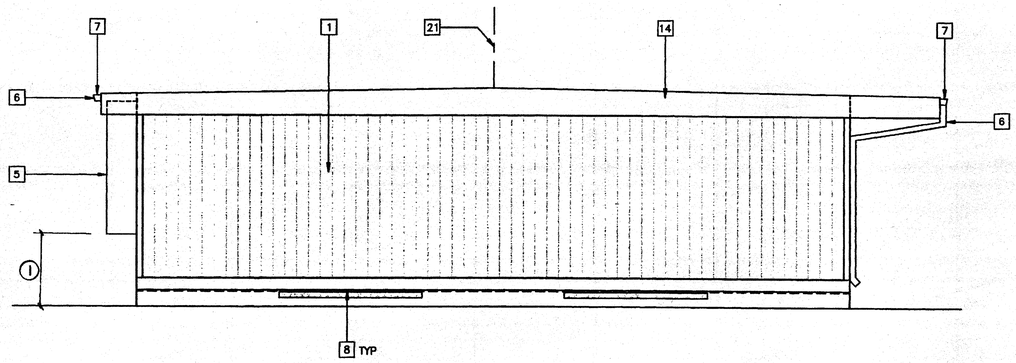
A2.01

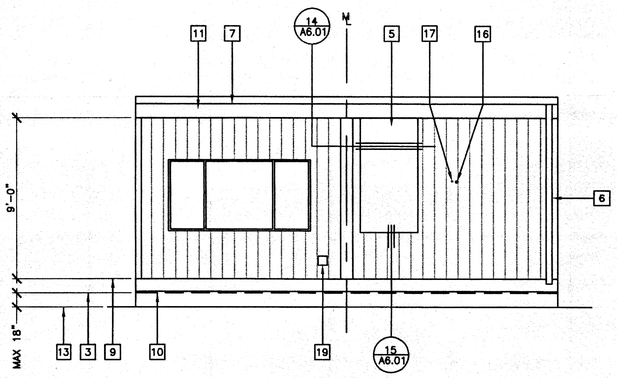
ROOF PLAN 26 GA DUAL PITCH



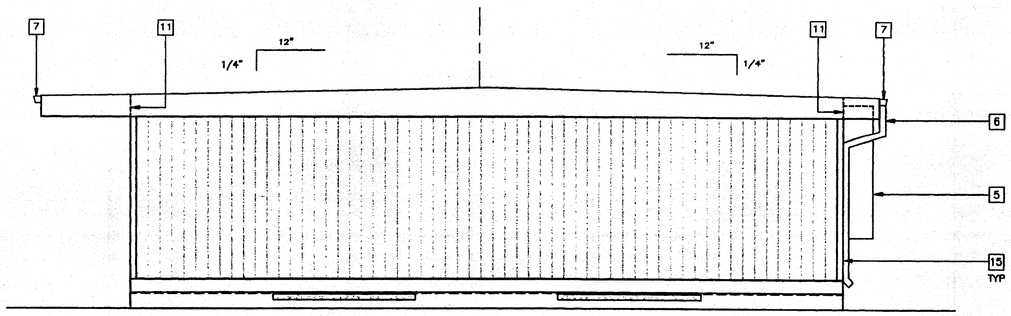
1 FRONT ELEVATION



2 LEFT SIDE ELEVATION



3 REAR ELEVATION



4 RIGHT SIDE ELEVATION

KEY NOTES

1. TYPICAL EXTERIOR FINISH SEE EXTERIOR FINISH SCHEDULE BELOW.
2. EXTERIOR LIGHT FIXTURE (EL)
3. TOP OF SKIRTING
4. RAMP AND LANDING – R1.01
5. HVAC UNIT (HV)
6. DOWNSPOUT FASTEN TO BUILDING TYPICAL (3) PLACES – 16/A2.03
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN)
8. FOUNDATION VENT (SEE FOUNDATION PLAN)
9. FINISH FLOOR LINE
10. FLOOR BEAM (STR)
11. ROOF HEADER (STR)
12. TOP OF COLUMN
13. FINISH GRADE
14. ROOF BEAM (STR)
15. COLUMN (STR)
16. ELECTRICAL STUB-OUT (EL)
17. GROUND STUB-OUT (EL)
18. J-BOX FOR EXTERIOR FIRE ALARM HORN (EL)
19. GUTTER BOX (EL)
20. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. 5/A5.01
21. RIDGE

NOTES

1. IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL OR CIRCULATION AREA AND HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" PROTECTION MUST BE PROVIDED

EXTERIOR FINISH SCHEDULE

NOTE: SEE SPECIFICATIONS FOR DETAILED DESCRIPTION OF FINISH OPTIONS.

STANDARD – 5/8" PLYWOOD SIDING

OPTIONAL – 5/16" GROOVED FIBER CEMENT BOARD

OPTIONAL – 5/16" FIBER CEMENT BOARD WITH TEXTURED ELASTOMERIC COATING SYSTEM

OPTIONAL – EXTERIOR PLASTER OVER LATH

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EXTERIOR ELEVATIONS A/C — 26 GA DUAL PITCH (24'x40')
SCALE: 1/4" = 1'-0"

STKP-62

REVISIONS			
1	MCA	MODIFIED FLOOR PLAN	04/15/02
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal — LICENSED ARCHITECT — GEORGE C. EDWARDS — REN. 9-30-03 — STATE OF CALIFORNIA

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MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134, 4161, 4203, 4207
4215, 4302, 4304, 4347

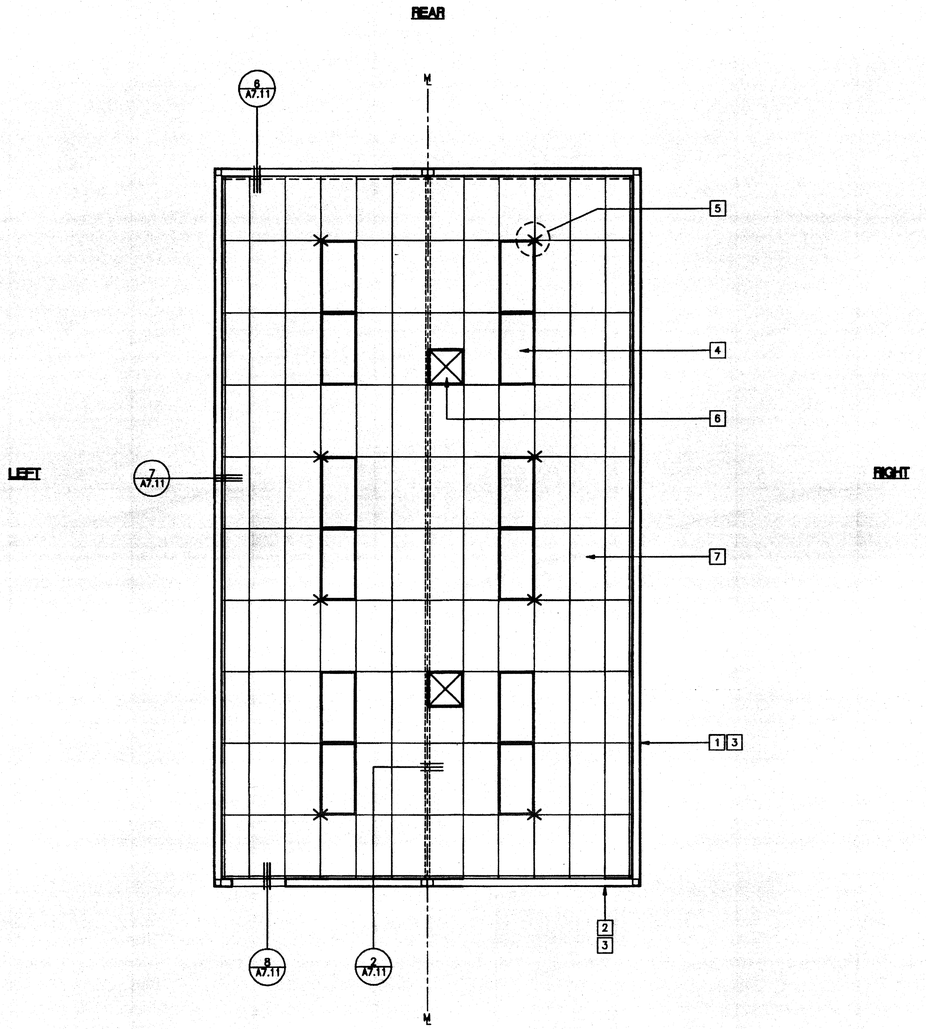
MODTECH, INC. 2001

EXTERIOR ELEVATIONS 26 GA DUAL PITCH 24'x40'

DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02

MODTECH Index No.
A3.01A

PROJECT NO. 4134, 4161, 4207
PC-04-101268



KEY NOTES

1. MAIN RUNNERS AT 4'-0" OC WITH 12 GA HANGER WIRES AT END OF EACH RUNNER
2. CROSS TEE AT 2'-0" OC
3.

T-BAR PART NUMBERS			
	ARMSTRONG PA-041	CHICAGO METALLIC IR-47	USG IR-47
RUNNER MAIN	7301	200	DS 28
4' CROSS TEE	7342	1210	DX 422
2' CROSS TEE	7328	1226	DX 216
WALL ANGLE	7800	1420-01	M-7

4. LIGHT FIXTURE, RECESSED, 2'x4' TYPICAL – 11/A7.11
5. 4 WAY SPLAY AT LOCATIONS INDICATED, WIRES TAUT BUT NOT TO DISTORT GRID – 1/A7.11
6. HVAC SUPPLY REGISTER, 2'x2' TYPICAL – 12/A7.11
7. CEILING PANELS: 2'x4' LAY-IN PANELS, ASTM FLAME SPREAD CLASS 1 (0-25). SMOKE DEVELOPMENT DENSITY LESS THAN 450 TYPICAL

NOTES

1. AT THE END OF ROWS OF RUNNERS A 12 GA HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT.
2. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTER BRACING WIRES.
3. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT (2) ADJACENT WALLS – OTHER WALLS NO ATTACHMENT. CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL
4. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.

LEGEND

- T & T BAR CEILING
- 2'X 4' ELEC. FIXTURE RECESSED
- SUPPLY AIR DIFFUSER
- SPLAY WIRE
- INDICATES FIXED SIDE 7/A7.11
- INDICATES FREE SIDE 6/A7.11

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AC FLS SS
Date MAY 22 2018

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04 104169
FLS
Date APR 16 2002

REFLECTED CEILING PLAN A/C (24'x40')
SCALE: 1/4" = 1'-0"

PC
CBC 1998

STKP-62

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
ROBERT SIMPSON
No. 1602
CIVIL
STATE OF CALIFORNIA
LICENSE EXPIRATION 9-30-2002

Architect's Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
REN. 9-30-03
STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101268
AC
DATE SEP 17 2002

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134

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DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02

MODTECH Index No.

REFLECTED CEILING PLAN 24'x40'

A7.01A

FILE PATH: 2440-4134.DWG

PROJECT NO. 4134

PC-04-101268

CLASS LEASING, INC.

P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
(951) 943-1908 Fax (951) 943-5768

SPECIFICATIONS
RELOCATABLE CLASSROOMS

4.01 MATERIAL SPECIFICATIONS:

1. Structural framing shall be Hem Fir- Larch graded in accordance with the standard grading rules of the Western Wood Products Association or standard grading rules No. 16 of the West Coast Lumber Inspection Bureau, latest editions. Grades shall be as follows unless noted otherwise on the drawings. (Hem Fir South is not allowed.) Each piece shall be grade marked and no piece may fall below grades indicated. All framing except as noted Hem Fir No. 2
2. Plywood shall be as shown on these drawings with exterior glue in accordance with U.S. Product Standard PS 1-95. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4'x8' panels-minimum, except at boundaries and at framing changes where minimum panel dimension shall be 24" at roofs and floors and 12" at walls.
3. Bolts for timber connections shall conform to ANSI/ASME Standard B18.2.1-1981 & 2005 edition of **NDS** (the National Design Specification for Wood Construction by the National Forest Products Association). Bolts shall be installed in accordance with the requirement of 2005 NDS
Bolt holes shall be 1/32 to 1/16 inch larger than bold diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing in work.
4. Lag screws shall be steel and conform to ANSI/ASME Standard B18.2.1 and 2005 NDS Holes for lag screw shanks shall be bored the same depth and diameter as the shank. The remaining depth of penetration of the screw shall be bored to 70% of the shank diameter. One quarter inch (1/4") diameter lag screws need not have pre-drilled holes if it can be shown that wood members are not damaged during installation. Provide full diameter body lag screws with bending yield strengths per Table 9.3 in NDS
5. Provide malleable iron washers or equivalent cut plate washers (not less than a standard cut washer) under nuts and bolt or lag screw heads which bear on wood.
6. Wood screws shall conform to ANSI/ASME Standard B18.6.1 and the requirements of the 2005 NDS. Galvanized or other corrosion resistant coating where exposed to weather or used in foundations.
Screws shall be steel with cut threads and bending yield strengths per Table 11.3 in NDS.
7. Wood members shall be cut or notched only as shown on structural drawings.
8. When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.
9. Structural nailing shall be with BOX NAILS per all requirements of 2005 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.9.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundations and as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yields per table 11N in NDS. (See nail equivalence below.)
10. Nail equivalence:
(provide minimum nail lengths as required for specified penetration, TYPICAL: U.N.O.)

    6d equals .113" DIA. - provide 1.36" minimum point penetration
    8d equals .131" DIA. - provide *1.57" minimum point penetration
    10d equals .148" DIA. - provide *1.78" minimum point penetration
    16d equals .162" DIA. - provide *1.94" minimum point penetration
    (* 1 1/2" at 2x members)

11. Pressure preservative treatment shall be per Section 2303.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members from agency approved by DSA. All foundation members shall be marked as "For ground contact (LP22)" or "For above ground use (LP2)" as appropriate. Treat all cut ends of pressure treated members with an approved preservative. (Willard W/B Copper Green 2% or an approved equivalent). Where noted, members below the sub floor that are not a part of the foundation shall be pressure treated per LP2.
12. Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.
13. If machine nailing is utilized for this project, contractor shall comply with all requirements of CCR Title 24, Part 2. Machine nailing is subject to approval by the Structural Engineer or Architect and the Division of the State Architect.
14. Fasteners for pressure-preservative treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.
15. Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1.1 of CBC.
16. Shim material shall be plywood CD EXP 1 or equal (not pressure treated).
17. Used lumber in good condition is acceptable for use in foundation system.

5.01 SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:

In the case of equipment located in the State of California, the **LESSEE** (School District) is responsible for the site being cleared (free of grass, trees, shrubs, etc) and graded to within 4 1/2" of level grade for each building. If the site exceeds the 4 1/2" level grade requirement additional costs may be charged to lessee.

Under no circumstances should the site be greater that 9" from level grade or have less than a **1000 PSF MINIMUM SOIL BEARING PRESSURE.**

Prior to delivery, the lessee shall mark the four corners of the building on the site, including door location. Should special handling be required to either place, install or relocate the classroom on the lessee's site due to site obstruction such as fencing, landscaping, other classrooms, etc., additional costs will be charge to the lessee.

6.01 TEST AND INSTALLATION:

1. Provide Electrical Grounding Test per DSA IR E-1.
2. No other tests and inspections are required.

1.01 GENERAL REQUIREMENTS:

1. The requirements of the general conditions of the agreement and these General Requirements apply to the several trade sections with the same force as though fully repeated in each section.
2. Name brands are indicated to establish a standard of quality. Items of equal or better quality may be substituted for the listed brand named products.

1.02 SCOPE OF WORK:

1. The work consists of manufacturing off-site in a plant, and installing on-site, modular relocatable building as defined herein, shown and detailed on the drawings. In the case of a Stockpile: the modular relocatable building is manufactured in-plant and stored off-site until such time that it is relocated from the off-site storage location and installed on-site.
2. All requirements of **CCR** (California Code of Regulation)Title 19 and 24 relating to inspections and verified reports shall be complied with and shall include:
   a) General responsible charge of Field Administration by the Architect of Record.
   b) Inspection during the course of construction by an Inspector approved by **DSA** (Division of the State Architect) and the District Architect. The Inspector shall be responsible for and approved to inspect the general construction, welding, mechanical and electrical work. Cost of these inspections shall be borne by the School District.
   c) On site inspection of the building installation, electrical and utility of the building installation or connection by an Inspector approved by the DSA and retained by the School District.
   d) Other special tests or inspections as may be required by DSA.
   Cost of these inspections/tests shall be borne by the School District.

1.03 WORK NOT INCLUDED:

1. All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.
2. All leveling, grading or other site preparation (except concrete or wood leveling strips, where Required) unless otherwise indicated on the drawings.
3. Fire alarm system, program bell, clock, public address system, intercom system, TV system, computer data or any other low voltage system, unless otherwise indicated on the drawings or the lease agreement.

1.04 ACCESSIBILITY OF SITE:

The School District shall provide access to the site for the installation of the building. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for move-in and removal of the buildings shall be the responsibility of the School District.

2.01 SITE ASSEMBLY:

1. Scope of Work: **Contractor** (Class Leasing Inc.) shall provide all labor, materials and services to prepare the building elements, transport them from the plant to the site and to complete the assembly at the site.

   The condition of the site, such as drainage and soil bearing capacity, shall be the responsibility of the School District and the District Architect.
2. Assembly of Elements:
   a) In a location on the site as determined by the District Architect. The contractor shall place the foundation as detailed on the drawings.
   b) The elements shall be brought to the site on wheel assembly and transferred to the prepared site. Great care shall be taken to avoid damage to the elements by racking or bumping.
   c) Connection of the elements together shall be done according to instructions on the drawings. Flashing, trim and other loose items shall be installed per plans and details of the original building manufacturer's drawings.

3.01 CARPENTRY:

1. Scope of Work: Contractor shall provide all labor, materials and services to install carpentry.
2. Workmanship:
   a) FRAMING: securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.
   b) NAILING: in accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.
   c) Machine applied nailing shall have prior demonstration and approval by DSA Field Inspector and the Architect. The approval is subject to continuous satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nail heads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory.
   d) TRIM: sealed at all edges. Sealant painted to match trim or siding.

APPLICABLE BUILDING CODES

ALL NEW WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2007 CBC

2007 CALIFORNIA CODE OF REGULATIONS (CCR)

-2007 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

-2007 CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR)
(2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 WITH 2007 CALIFORNIA AMENDMENTS)

-2007 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)
(2005 NATIONAL ELECTRICAL CODE WITH 2007 CALIFORNIA AMENDMENTS)

-2007 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
(2006 UNIFORM MECHANICAL CODE WITH 2007 CALIFORNIA AMENDMENTS)

-2007 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
(2006 UNIFORM PLUMBING CODE WITH 2007 CALIFORNIA AMENDMENTS)

-2007 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

-2007 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

-2004 ASME A17.1 SAFETY CODE FOR ESCALATORS AND ELEVATORS

-2007 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
(2006 INTERNATIONAL FIRE CODE WITH 2007 CALIFORNIA AMENDMENTS)

TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

DESIGN DATA:

FLOOR LIVE LOAD = 50 PSF, 50 + 20 PSF PARTITIONS, 100 PSF
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
WIND SPEED = 85 MPH (V) (3 SECOND GUST), K ZT = 1.0
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
BUILDING CODES = IBC AND CBC 2007

SEISMIC DESIGN DATA: — **MOMENT FRAME PC'S**
Basic Seismic-Force-Resisting System = STEEL MOMENT FRAME
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING = 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18810 # (Roof, Floor, Walls & Partitions)

I: = 1.0 Cs2 = 0.286 R: = 3.5 SITE CLASS = D
Ss = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
Sds = 1.0
S1 = 1.3 per CBC Figure 1613A.5(2) Sd1 = 1.3

SEISMIC DESIGN DATA: — **SHEAR WALL PC'S**
Basic Seismic-Force-Resisting System = WOOD PANEL SHEAR WALLS
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING = 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18810 # (Roof, Floor, Walls & Partitions)

I: = 1.0 Cs2 = 0.154 R: = 6.5 SITE CLASS = D
Ss = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
Sds = 1.0
S1 = 1.3 per CBC Figure 1613A.5(2) Sd1 = 1.3

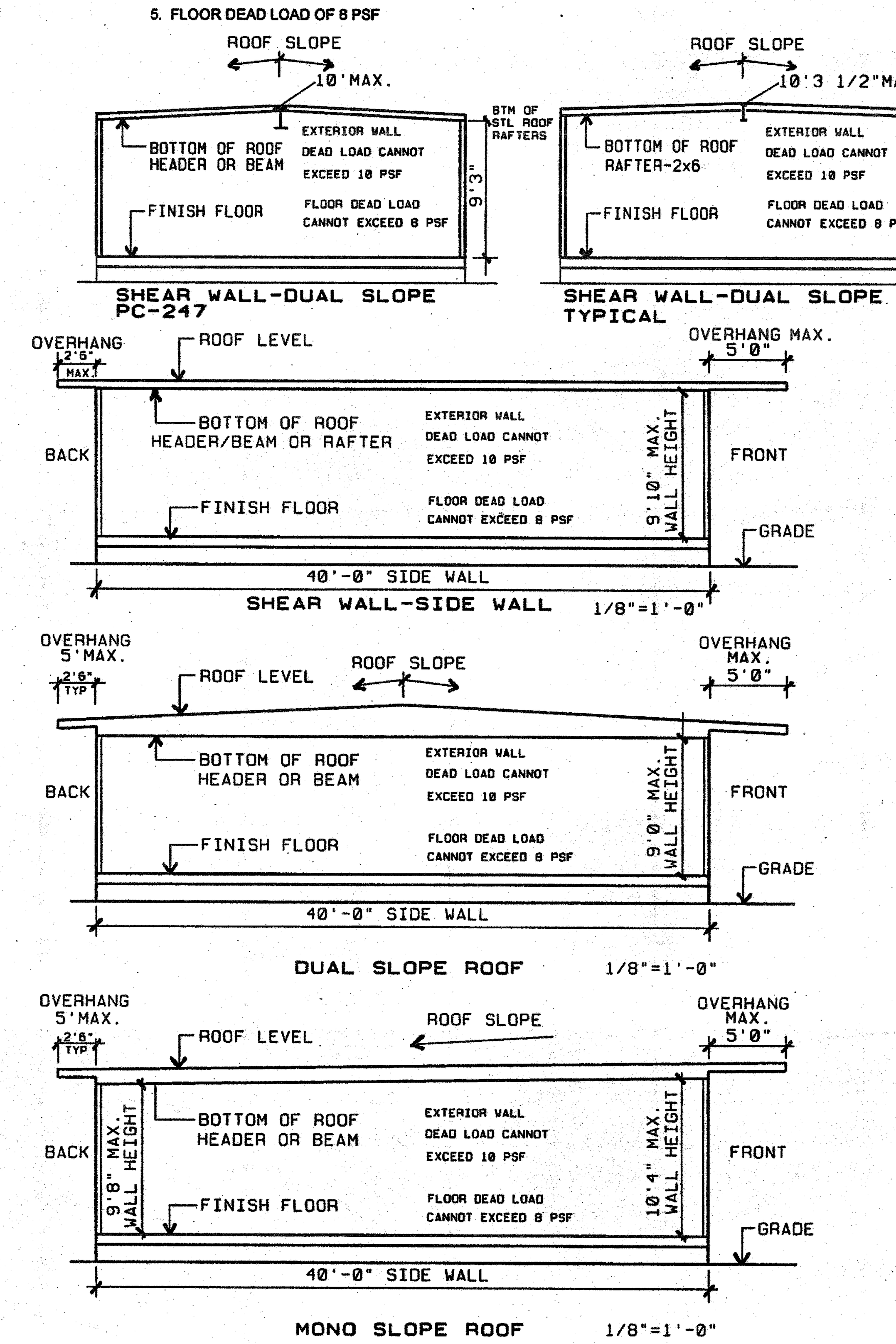
FLOOD DESIGN DATA: Project is not located in a flood zone

LIMITATIONS WOOD FOUNDATION PC ONLY:

WOOD FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS LISTED ON THIS DRAWING.

THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

1. DSA APPROVED STOCKPILE BUILDINGS
2. ROOF OVERHANGS OF 5'-0" MAXIMUM
3. SINGLE SLOPE OR DUAL SLOPE BUILDINGS
WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING.
WALL HEIGHT: 10'-4" MAXIMUM ON SINGLE SLOPE BUILDING.
(HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS)
WALL HEIGHT: 9'-10" MAXIMUM ON SHEAR WALL-DUAL SLOPE BUILDING
4. WALL DEAD LOAD OF 10 PSF (NO STUCCO)
5. FLOOR DEAD LOAD OF 8 PSF



TYPICAL ELEVATIONS ARE SHOWN TO CLARIFY FOUNDATION PC ONLY LIMITATIONS DOCUMENTATION SHALL BE PROVIDED BY ENGINEER OF GENERAL RESPONSIBLE CHARGE TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.

SCOPE OF WORK: DSA FOUNDATION PLANS FOR EXISTING STOCKPILE BUILDINGS FOR CLASS LEASING, INC.

SHEET INDEX: STOCKPILE BUILDING FOUNDATION PC# 04-1

F1.0 COVER SHEET, BUILDING DATA, STOCKPILE APPROVAL INDEX
F2.0 24 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
~~F2.1 24 x 40 - 50+20 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD~~
~~F3.0 36 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD~~
~~F3.1 36 x 40 - 50+20 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD~~
~~F3.2 36 x 40 - 100 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD~~
~~F4.0 48 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD~~
~~F4.1 48 x 40 - 50+20 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD~~
~~F4.2 48 x 40 - 100 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD~~

ADJACENT BUILDINGS: ONLY THOSE BUILDINGS MANUFACTURED BY THE SAME COMPANY MAY BE PLACED ADJACENT TO EACH OTHER.

CLASS LEASING- APPROVED STOCKPILE A NUMBERS FOR THIS FOUNDATION PC

BUILDING DATA- 24x40 SHEAR WALL

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 1029	50643	SHR	10/21/88	24x40	50+20#	MODTECH
STKP 02	52512	48137-SHR	11/06/89	24x40	50#	MODTECH
STKP 01	52513	46750-SHR	11/06/89	24x40	50#	MODTECH
STKP 03	52514	SHR	11/06/89	24x40	50#	MODTECH
STKP 05	52515	45400-SHR	12/07/89	24x40	50#	AURORA
STKP 04	52516	SIM PC 29 SHR	12/07/89	24x40	50#	MODTECH
STKP 22	55113	PC 80	10/05/90	24x40	50#	MODTECH
STKP 24	55580	PC 95	06/14/94	24x40	50#	MODTECH
STKP 13	61957	PC 247	06/29/94	24x40	50#	MODTECH
STKP 77	57970	PC 247	11/10/97	24x40	50#	MODTECH

BUILDING DATA- 24x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 11	52482	MRF	06/13/91	24x40	50+20#	MODTECH
STKP 20	55031	PC 79	09/18/90	24x40	50#	MODTECH
STKP 21	55032	PC 79	09/19/90	24x40	50#	MODTECH
STKP 23	55347	PC 79	11/26/90	24x40	50#	MODTECH
STKP SW	57194	PC 79	11/08/91	24x40	50+20#	MODTECH
STKP 14	57679	PC 96	03/19/92	24x40	50#	MODTECH
STKP 18	63288	PC 243	05/04/95	24x40	50#	MODTECH
STKP 19	63321	PC 242	05/11/95	24x40	50#	MODTECH
STKP 27	65493	PC 266	07/31/96	24x40	50#	MODTECH
STKP 31	66318	PC 266	11/12/96	24x40	50+20#	MODTECH
STKP 33	67333	PC 266	03/11/97	24x40	50#	MODTECH
STKP 35	04-100117	PC 266	01/15/98	24x40	50+20#	MODTECH
STKP 39	04-100595	PC 275	08/10/98	24x40	50+20#	MODTECH
STKP 37	04-100596	PC 266	08/10/98	24x40	50+20#	MODTECH
STKP 40	04-100690	PC 282	09/03/98	24x40	50+20#	MODTECH
STKP 42	04-100929	PC 266	01/07/99	24x40	50+20#	MODTECH
STKP 43	04-101555	PC 275	09/09/99	24x40	50#	MODTECH
STKP 44	04-101602	PC 266	09/30/99	24x40	50+20#	MODTECH
STKP 48	04-101768	PC 101268	12/16/99	24x40	50#	MODTECH
STKP 51	04-102015	PC 101268	03/16/00	24x40	50#, 50+20#	MODTECH
STKP 53	04-102365	PC 101268	07/06/00	24x40	50+20#	MODTECH
STKP 56	04-102824	PC 101268	12/21/00	24x40	50#	MODTECH
STKP 62	04-104169	PC 101268	04/18/02	24x40	50+20#	MODTECH
STKP 67	04-104812	PC 101268	12/05/02	24x40	50+20#	MODTECH
STKP 70	04-105299	PC 104801	05/22/03	24x40	50+20#	MODTECH
STKP 76	04-105455	PC 104796	07/17/03	24x40	50#	MODTECH
STKP 78	04-109208	PC 106884	12/13/07	24x40	50#	CURRENT/SMI

BUILDING DATA- 36x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 15	52476	MRF	12/18/91	36x40	50#	MODTECH
STKP SW	57194	PC 79	11/08/91	36x40	70#	MODTECH
STKP 32	66319	PC 266	11/12/96	36x40	50+20#	MODTECH
STKP 34	67332	PC 266	03/11/97	36x40	50+20#	MODTECH
STKP 45	04-101618	PC 101268	10/07/99	36x40	50+20#	MODTECH
STKP 57	04-103001	PC 101268	03/01/01	36x40	50#	MODTECH
STKP 65	04-104441	PC 101268	07/11/02	36x40	50+20#	MODTECH
STKP 71	04-106419	PC 104801	07/29/04	36x40	50+20#	MODTECH
STKP 73	04-108585	PC 101268	03/01/07	36x40	100#	MODTECH
STKP 74	04-108808	PC 107557	06/07/07	36x40	50+20#	SILVERCREEK
STKP 81	04-110319	PC 109598	04/09/09	36x40	50+20#	SMI
STKP 85	04-111101	PC 79	06/03/10	36x40	50+20#	MODTECH

BUILDING DATA- 48x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP SW	57194	PC 79	11/08/91	48x40	100#	MODTECH
STKP SW	57194	PC 79	11/08/91	48x40	70#	MODTECH
STKP 17	63289	PC 243	05/04/95	48x40	50+20#	MODTECH
STKP 41	04-100797	PC 266	10/22/98	48x40	50+20#	MODTECH
STKP 46	04-101617	PC 101268	10/07/99	48x40	50+20#	MODTECH
STKP 63	04-104170	PC 101268	04/18/02	48x40	50+20#	MODTECH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 2 2 2010
PRE-CHECK (PC) DOCUMENT
CODE:2007 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

DATE SIGNED
FEB 09 2011

REGISTERED PROFESSIONAL ENGINEER
JAMES T. SIMPSON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2012

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC4-111441
AC FLS SS
DATE: FEB 10 2011

STOCKPILE CLASSROOM
RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

SCANNED

CLASS LEASING, INC.
P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943- 5768

CLASS LEASING, INC.
STOCKPILE CLASSROOM
RELOCATION
FOUNDATION PLAN & DETAILS
PC 04-111441

DATE 10/18/2010
SCALE
DRAWN LAM-CLLS
JOB SITE SET-UP
SHEET F1.0
24x40-50#

© Class Leasing Inc. 2010

DATAPRINT CORP. 700 SO. CLAREMONT ST. SAN MATEO, CA 94402
STOCKDRAFTING FORM NO. 101-54

3"x24" END WALL VENTS
AS REQUIRED FOR ADJACENT
BUILDING APPLICATIONS
MIN.18" FROM MODLINES
MIN.18" FROM BLDG. CORNER
MIN.12" BLOCKING BETWEEN VENTS

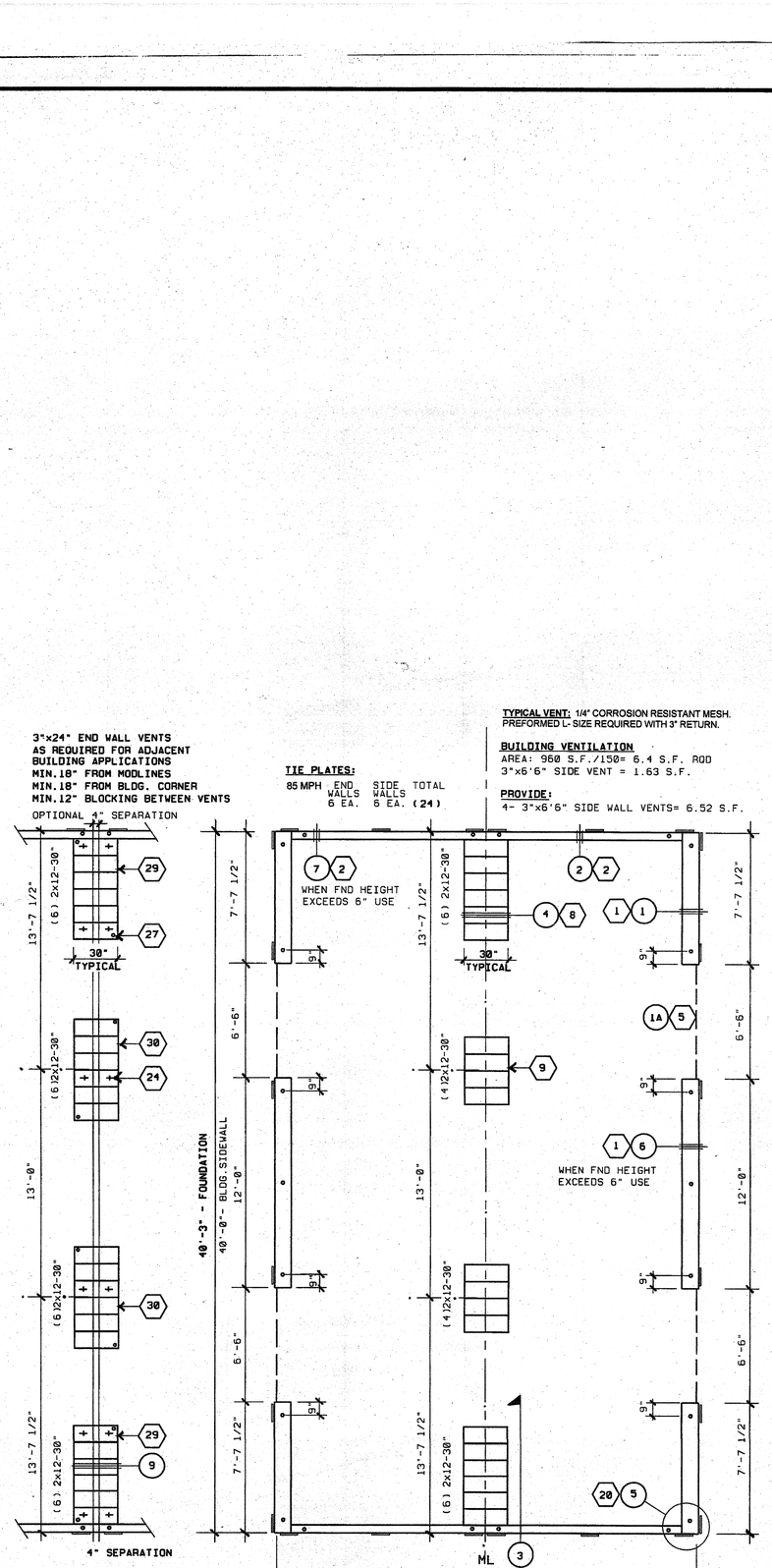
TIE PLATES:

85 MPH	END WALLS	SIDE WALLS	TOTAL
	6 EA.	6 EA.	(24)

TYPICAL VENT: 1/4" CORROSION RESISTANT MESH. PREFORMED L- SIZE REQUIRED WITH 3" RETURN.

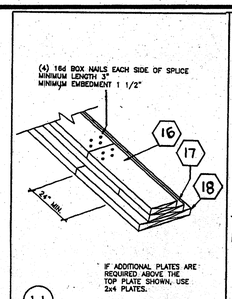
BUILDING VENTILATION
AREA: 960 S.F./150= 6.4 S.F. REQ
3"x6'6" SIDE VENT = 1.63 S.F.

PROVIDE:
4- 3"x6'6" SIDE WALL VENTS= 6.52 S.F.

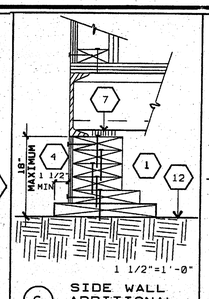


FOUNDATION PADS AT ADJACENT BUILDINGS
1/4"=1'-0"

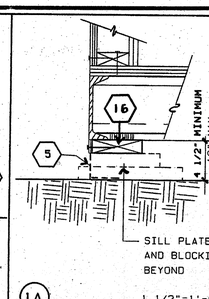
TYPICAL 24x40 FOUNDATION PLAN 50-PSF



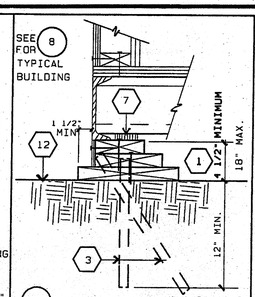
11 FOUNDATION SPLICE



6 SIDE WALL ADDITIONAL BLOCKING 1 1/2"=1'-0"



1A VENT AT SIDE WALL 1 1/2"=1'-0"

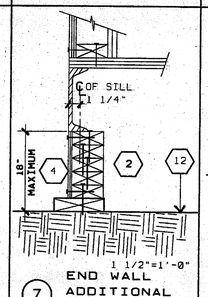


1 SIDE WALL FOUNDATION 1 1/2"=1'-0"

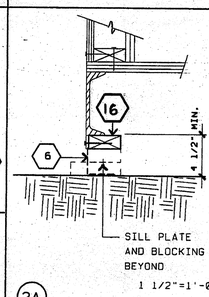
TYPICAL: NAILING (1) 16d BOX AT 4" O.C.

TYPICAL: PLATE TO PLATE,
PLATE TO BLOCK,
BLOCK TO BLOCK,
BLOCK TO PLATE,

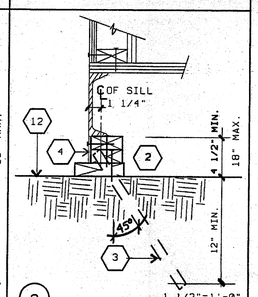
MINIMUM 6-16d PER BLOCK OR PLATE



7 END WALL ADDITIONAL BLOCKING 1 1/2"=1'-0"

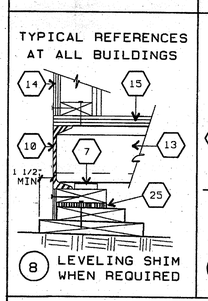


2A VENT AT END WALL 1 1/2"=1'-0"

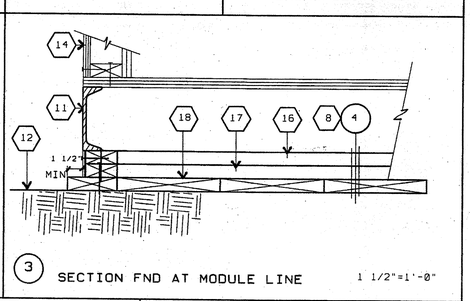


2 END WALL FOUNDATION 1 1/2"=1'-0"

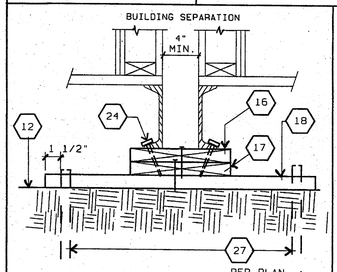
TYPICAL REFERENCES AT ALL BUILDINGS



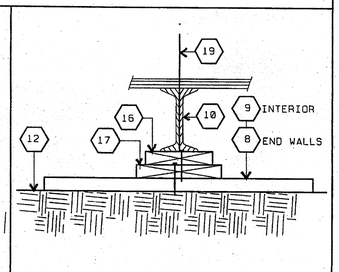
8 LEVELING SHIM WHEN REQUIRED



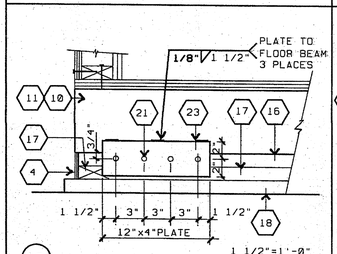
3 SECTION FND AT MODULE LINE 1 1/2"=1'-0"



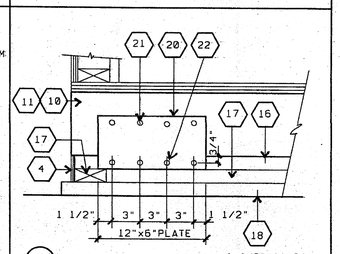
9 ADJACENT BUILDING 1 1/2"=1'-0"



4 MODULE LINE 1 1/2"=1'-0"



10 WELDED TIE PLATE-OPTION 1 1/2"=1'-0"



5 FOUNDATION TIE PLATE 1 1/2"=1'-0"

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APP03 119040
AC / FLS / SS
Date MAY 22 2010

KEY NOTES 24x40- 50 PSF FLOOR LOAD

FOUNDATION AT SIDE WALL

1 **TOP PLATE:** 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x12 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

FOUNDATION AT END WALL

2 **TOP PLATE:** 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x6 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

3 SILL RESTRAINT- PIPE TO GRADE (TYP) SEE GENERAL NOTE #A

4 SKIRTING: 3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C. AT END WALLS AND 6" O.C. AT SIDE WALLS, FIELD NAILING 12" OC

5 SIDEWALL VENT: 3" HIGH BY 6'-6" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 6" O.C.

6 ENDWALL VENT: 3" HIGH BY 2'-0" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C.

7 SHIM: 5/8" X 2 1/2" WHEN REQUIRED

FOUNDATION AT MOD LINE / END WALL

8 **TOP PLATE:** 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT)

FOUNDATION AT MOD LINE / INTERIOR WALL

9 **TOP PLATE:** 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (4) 2x12x30" (PT)

10 FLOOR BEAM: C7x 9.8 TYPICAL

11 FLOOR HEADER: C7x 9.8 TYPICAL

12 FINISH GRADE

13 FLOOR JOIST

14 EXTERIOR FINISH

15 PLYWOOD SUB-FLOOR

16 TOP PLATE: CONTINUOUS

17 BLOCKING

18 SILL PLATE

19 MODLINE

20 TIE PLATE: 12" x 6" x 10 GA

21 PLATE ANCHOR: 4 -1/4" ϕ S.M.S. (1 1/2" MIN. EMBEDMENT)

22 PLATE ANCHOR: 4 -1/4" x 2" LONG LAG SCREWS (1 1/2" MIN. EMBEDMENT)

23 TIE PLATE: 12" x 4" x 10 GA

24 BUILDING ANCHORAGE: 6- 5/8" x 4" LAG SCREWS AT EACH BUILDING (FOR LOCATION SEE PLAN AT ADJACENT BUILDINGS)

25 LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS PLATE. NAIL SHIM TO PLATE WITH (6) 10d BOX.

26 2" CUT OUT OF SILL PLATE FOR DRAINAGE. FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION.

27 1" PIPE EACH END OF PAD AT ADJACENT BUILDING LINE.

28 THIS VENT TO BE LOCATED UNDER LANDING. PROVIDE EQUAL AREA SCREENED VENTILATION IN LANDING SKIRT.

FOUNDATION AT BUILDING SEPARATION / END WALL

29 **TOP PLATE:** 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

FOUNDATION AT BUILDING SEPARATION / INTERIOR WALL

30 **TOP PLATE:** 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

GENERAL NOTES

A. **SILL RESTRAINT:** THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE (ASPHALT CONCRETE PAVING OR ON SOIL OR ON PRE-DRILLED CONCRETE SLAB ON GRADE) BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES.

USE A ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPE OR ONE-INCH DIAMETER SOLID STEEL ROD SPACED AT NOT MORE THAN 10'-0" 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 FOUNDATION STRIP.

PIPES TO PENETRATE INTO SOIL AND OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. 18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT A 45 DEGREE ANGLE.

B. TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE VERIFY DRAINAGE WITH DISTRICT ARCHITECT SITE PLANS.

C. A **WOOD SILL (FOOTING) PLATE** SHALL BE PRESSURE TREATED HEM FIR OR DOUG 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 DISTRICT). THE WOOD SILL (FOOTING) PLATE MAY SUPPORT WOOD CRIPPLE STUDS, POSTS OR CONTINUOUS BLOCKING AND SHEATHING (SKIRT) WHICH NEED NOT BE TREATED. FOUNDATION LUMBER TO BE PRECUT AT FACTORY, LUMBER AND PRESSURE TREATING TO BE VERIFIED BY THE INSPECTOR

D. **FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE.**

E. THIS FOUNDATION PLAN HAS 1/4" ADDED AT EACH MODLINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN DIMENSIONS, THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.

F. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN 3 1/2" IN OVERALL LENGTH

G. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

DATE SIGNED
FEB 09 2011

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 3602 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2012

PRE-CHECK (PC) DOCUMENT
CODE:2007 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC4-111441
AC FLS SS DC
DATE: FEB 10 2011

24x40 - 50 PSF STOCKPILE CLASSROOM
RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

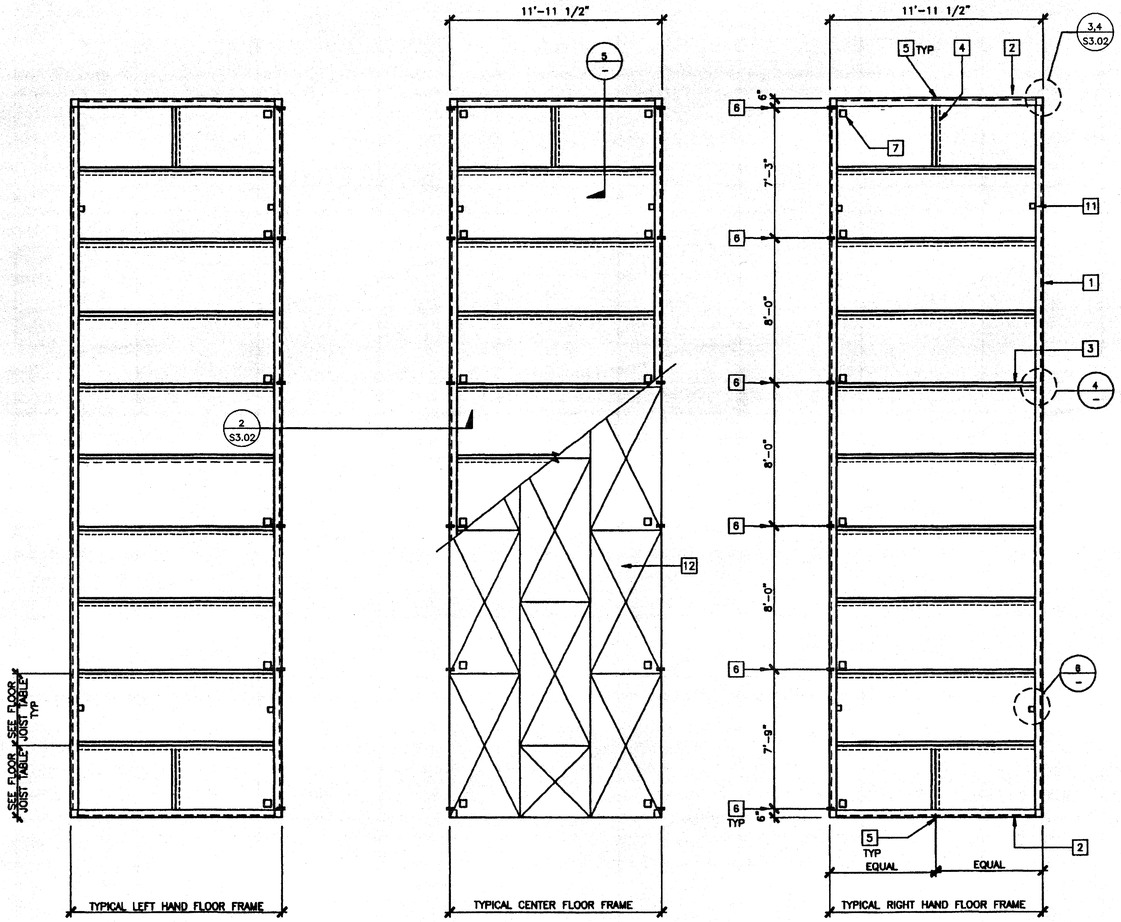
CLASS LEASING, INC.
P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943- 5768

CLASS LEASING, INC.
STOCKPILE CLASSROOM
24x40 - 50 PSF RELOCATION
FOUNDATION PLAN & DETAILS
PC 04-111441

DATE	10/18/2010
SCALE	
DRAWN	LAM-CLLS
JOB	24x40 50 PSF
SHEET	F2.0

DATAPRINT CORP. 700 SO. CLAREMONT ST., SAN MATEO, CA. 94402
STOCKDRAFTING FORM NO. 101-94
© Class Leasing Inc. 2010

REAR



FRONT

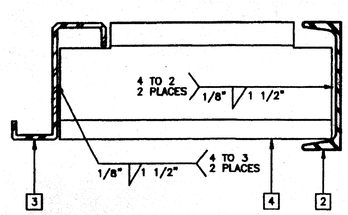
SEE FLOOR JOIST TABLE FOR APPROPRIATE SPACING PER JOB.

FLOOR FRAMING PLAN

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

PC

CBC 1998



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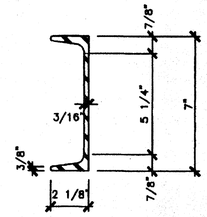
FLOOR HEADER BLOCKING 5

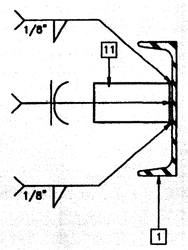


Sx = 6.08 IN^3
Ix = 21.3 IN^4

C7x9.8 - ASTM A-36

SCALE: NTS

FLOOR BEAM/HEADER 1



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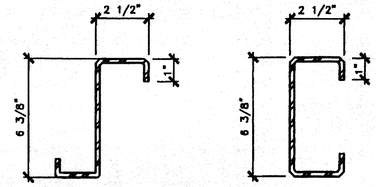
SHIPPING HOLD DOWN 6



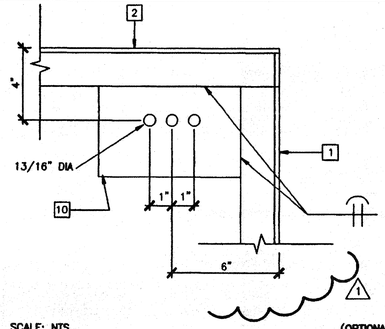
STANDARD JOIST
t=0.105
12 GAUGE
Sx : 2.613 IN^3
Ix : 8.328 IN^4

ALTERNATE JOIST
t=0.105
12 GAUGE
Sx : 2.525 IN^3
Ix : 8.049 IN^4

ASTM A-570, GRADE 33

SCALE: NTS

FLOOR JOIST 2



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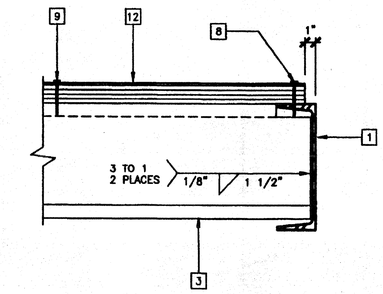
7

ANCHOR PLATE (CONCRETE FOUNDATION) 3



SCALE: NTS

8

FLOOR JOIST TO FLOOR BEAM 4

KEY NOTES

1. [FLOOR BEAM, COPE TO MATE WITH HEADER – 1/S1.01
2. [FLOOR HEADER – 1/S1.01
3. ∫ FLOOR JOIST – 2/S1.01
4. ∫ BLOCKING AT MIDSPAN OF FLOOR HEADER – 5/S1.01
5. 11/16"ø HOLE AT MIDDEPTH FOR HANDLING
6. 11/16"ø MODLINE BOLT HOLE. 2/S3
7. 5" SQUARE HAND HOLES AT EACH MODLINE BOLT LOCATION
8. EDGE NAILING AT FLOOR BEAM OR HEADER – #10x1 3/4" SELF TAPPING FLAT HEAD SCREWS AT 6"OC
9. EDGE NAILING OR FIELD NAILING – AEROSMITH AKN .144 DRIVE PINS AT 6"OC, FIELD NAILING TO BE 10" OC FOR PURLIN SPACING OF 32" OR LESS
10. 5"x8"x1/4" STEEL ANCHOR PLATE. FOR OPTIONAL CONCRETE FOUNDATION ONLY.
11. SHIPPING HOLD DOWN – 3 1/2"x3 1/2"x1/4" TUBE STEEL CUT TO 1 3/4" HEIGHT
12. PLYWOOD FLOOR SHEATHING: APA PS 1-83, 1 1/8" THICK STURD-I-FLOOR WITH 48" OC SPAN RATING – LAYOUT PATTERN SHOWN IS TYPICAL. ~~AS AN ALTERNATE USE WEYERHAEUSER 1 1/8" THICK OSB STURDI-FLOOR PA – 115~~

2

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DIV. OF THE STATE ARCHITECT
APP03 119040
AC / FLS / SS
Date MAY 22 2018

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
01 104169
DS SS JP
APR 18 2002

FLOOR JOIST TABLE

STANDARD CLASSROOM

LIVE LOAD PSF	JOIST SPACING STANDARD	OPTIONAL UP GRADE TO STIFFEN FLOOR		
50	48"	~~32"~~	~~24"~~	~~16"~~
50+20	32"	~~24"~~	~~16"~~	~~12"~~
~~100~~	~~24"~~	~~16"~~	~~12"~~	~~12"/16"~~
~~125~~	~~16"~~	~~12"~~	~~12"/16"~~	~~12"/16"~~

ADMINISTRATION

3

STKP-62

REVISIONS			
1	SP	MODTECH ENGINEERING CHANGE	9/21/00
2	SP	MODTECH ENGINEERING CHANGE	09/28/00
3	SP	REVISED FLOOR JOIST TABLE	12/12/00
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architect's Seal — LICENSED ARCHITECT GEORGE C. EDWARDS REN. 9-30-03 STATE OF CALIFORNIA

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OFFICE OF REGULATION SERVICES
PC-04
101268
AC. FLS SS
DATE

REVISED 02 2002

MODTECH

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134

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DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02

MODTECH Index No.

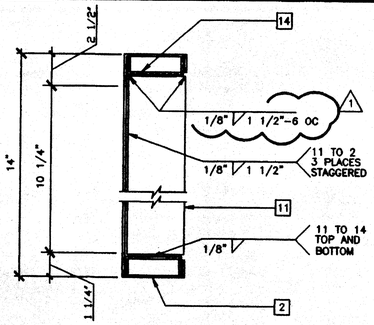
S1.01

FLOOR FRAMING PLAN WOOD FLOOR

PROJECT NO. 4134

PC-04-101268

FILE PATH: 2440-4134.DWG



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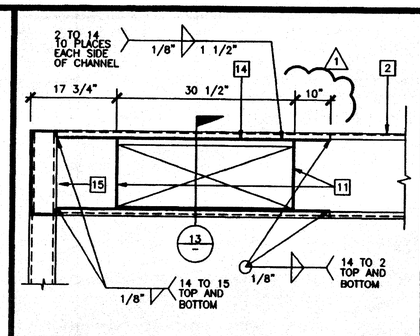
HVAC OPENING IN ROOF HEADER | 13



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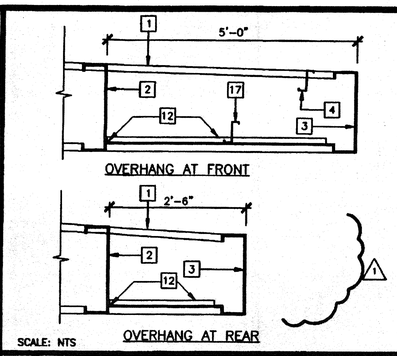
HVAC OPENING IN ROOF HEADER | 12



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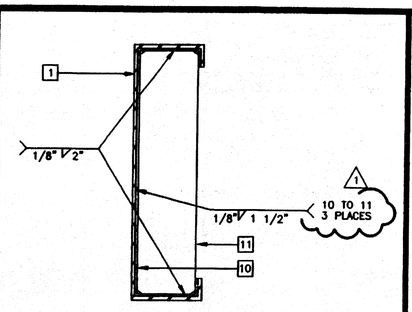
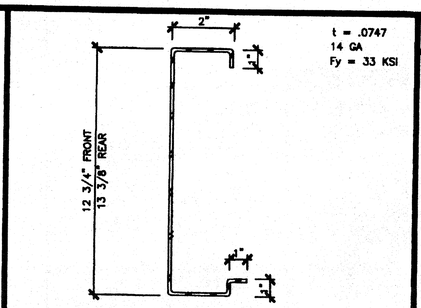
OVERHANGS | 11



SCALE: NTS

STIFFENER PLATE AT SPLICE | 7

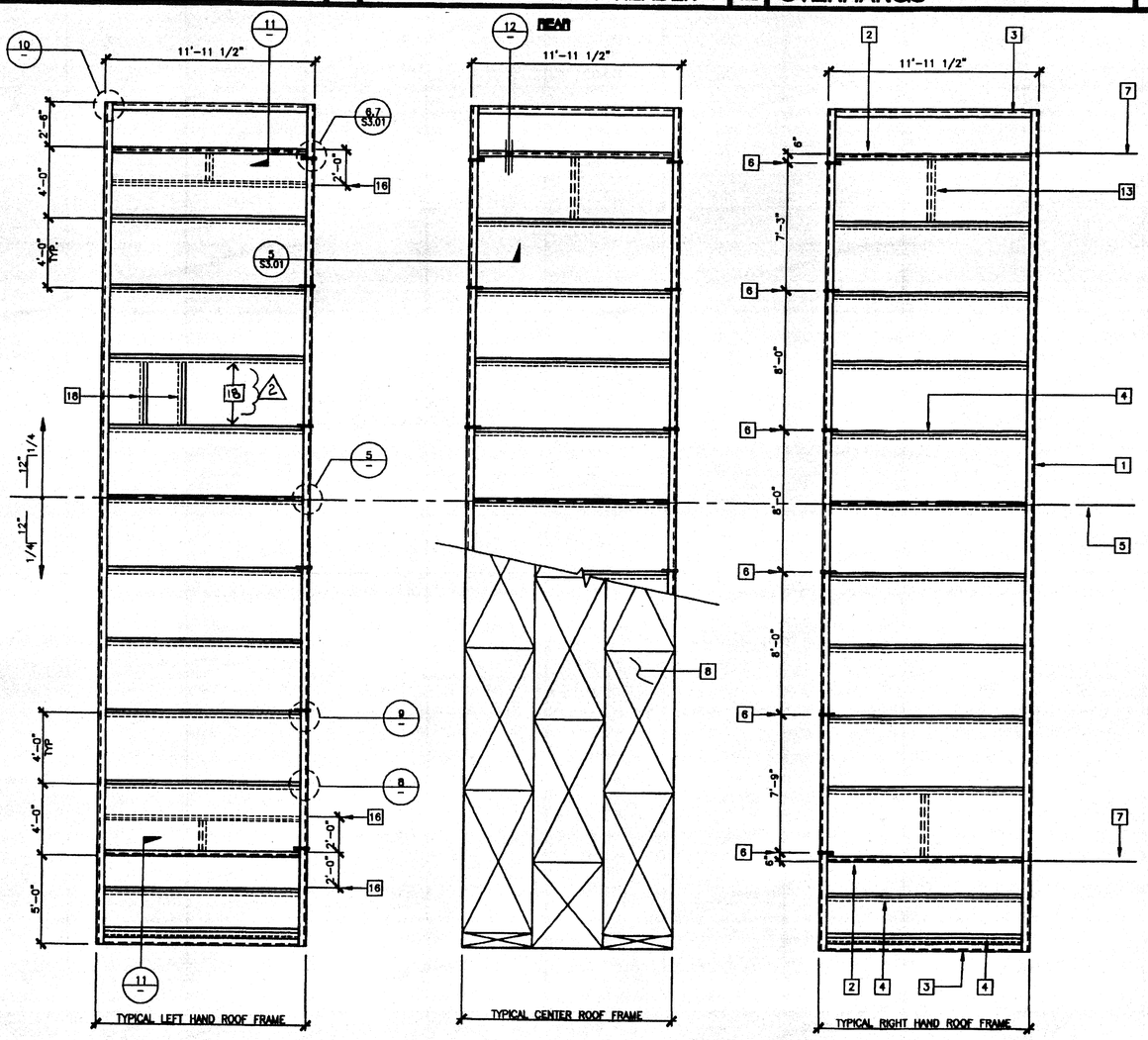


SCALE: NTS

ROOF FASCIA | 3

KEY NOTES

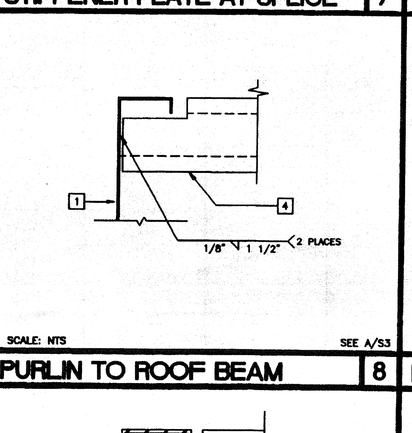
1. TAPERED ROOF BEAM – 1/S2.01
2. ROOF HEADER – 2/S2.01
3. ROOF FASCIA – 3/S2.01
4. ROOF PURLIN – 4/S2.01
5. RIDGE LINE
6. 11/16" DIA DRILLED HOLE – 5/S3.01
7. EDGE NAIL THIS LINE
8. PLYWOOD ROOF SHEATHING, 3/4" CD EXPOSURE 1, P.1.1 48/24, PSI-83 PLYCLIPS AT 16" OC MAX ON LONG EDGES @10x1 1/4" SELF TAPPING FLAT HEAD SCREWS AT 6" OC TO PERIMETER FRAME OR ALTERNATE USE AEROSMITH AKN .144 DRIVE PINS AT 6" OC TO PERIMETER FRAME, AEROSMITH AKN 144.0175 DRIVE PINS AT 6" OC AT SUPPORTED EDGES AND 6" OC FIELD NAILING TO PURLINS, PLYWOOD PATTERN SHOWN IS TYPICAL
9. OPTIONAL BEAM SPLICE LOCATIONS
10. 10 GA BENT PLATE BACK UP
11. 1/4" FULL DEPTH STIFFENER PLATE
12. 1/2"x1/2"x16 GA ANGLE, TACK WELD TO HEADER AND ROOF BEAM
13. PURLIN SIZE BLOCKING AT HEADER MIDSPAN FOR 80 MPH DESIGN WIND LOAD ONLY (2)
14. 3 1/4"x1" CHANNEL STIFFENER
15. TUBE STEEL STIFFENER
16. LOCATION OF ADDITIONAL PURLIN FOR BUILDINGS THAT EXCEED 2160 SF
17. Z STIFFENER AT SOFFIT CLOSURE – 4/S2.01
18. 6"x2 1/2"x14 GA FRAMING FOR ROUGH OPENING OF OPTIONAL ROOF MOUNT HVAC, SPACING AND LOCATION WILL VARY – 18,19/A6.01 (HV) (1)(2)



ROOF FRAMING PLAN

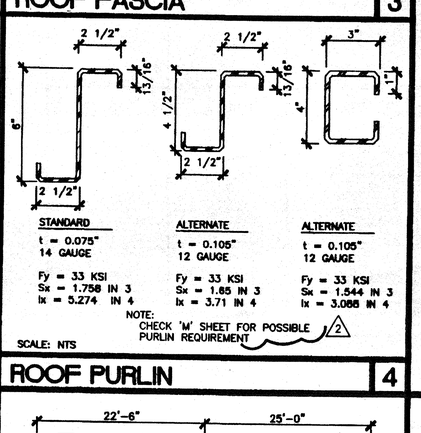
26 GA DUAL PITCH
SCALE: 1/4" = 1'-0"

PC
CBC 1998



SCALE: NTS SEE A/S3

PURLIN TO ROOF BEAM | 8



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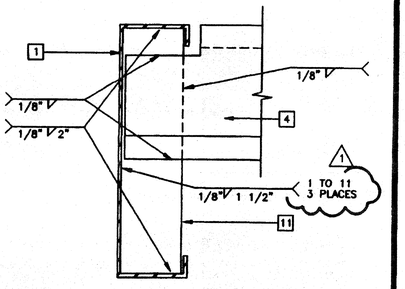
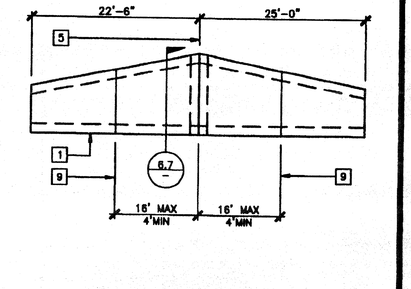
ROOF PURLIN | 4



SCALE: NTS SEE A/S3

PURLIN/STIFFENER TO ROOF BEAM | 9



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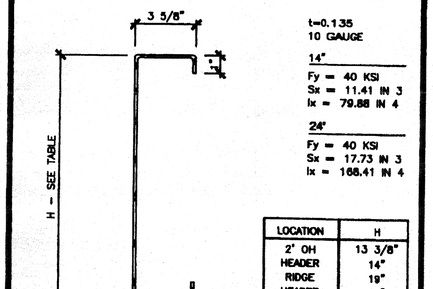
TAPERED ROOF BEAM SPLICE | 5



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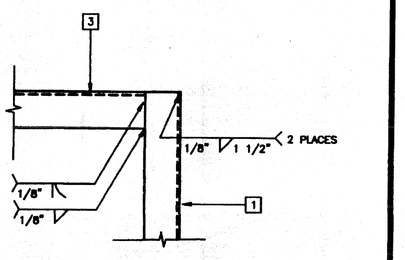
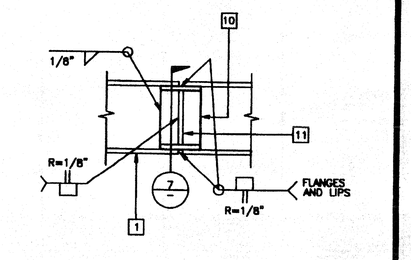
TAPERED ROOF BEAM | 1



SCALE: NTS

ROOF FASCIA AT ROOF BEAM | 10



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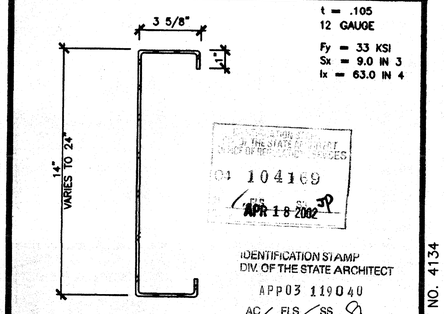
BEAM SPLICE | 6



SCALE: NTS

ROOF HEADER STKP-62 | 2

REVISIONS

1	SP	MODTECH ENGINEERING CHANGE	09/28/00
2	SP	ADDED REFERENCE NOTE	11/9/00
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
REN. 9-30-02
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101268
DATE APR 17 2002

REVISED OCT 09 2000
REVISED NOV 09 2000

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134

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DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02

MODTECH Index No.

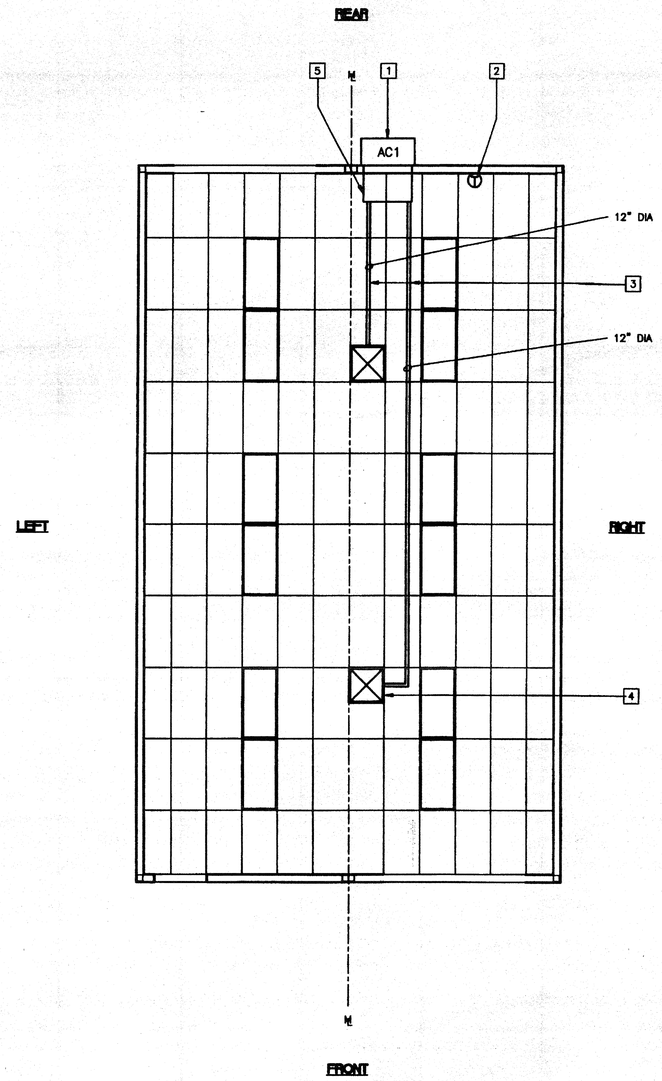
ROOF FRAMING PLAN 26 GA DUAL PITCH

S2.01

FILE PATH: 2440-4134.DWG

PROJECT NO. 4134

PC-04-101268



MECHANICAL PLAN A

(24'x40')

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

PC

CBC 1998

KEY NOTES

1. AC1: WALL MOUNT 3.5 TON HEAT PUMP WITH 5KW HEATER OLA AND CALIFORNIA STATE ENERGY APPROVED 208/230V, 1 PHASE, 59 AMP WEIGHT 515 LBS
2. THERMOSTAT AT 48" AFF (SEE SPECS)
3. FLEX DUCT
4. 15"x15" 4 WAY SUPPLY AIR GRILLE
5. 10"x30"x24" PLENUM (SEE SPECS)

NOTES

1. INSULATION APPLIED TO EXTERIOR SURFACE OF DUCTS LOCATED IN BLDGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE-DENSITY NOT EXCEEDING 50 WHEN TESTED AS A COMPOSITE INSTALLATION. INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED
2. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE MECHANICAL ENGINEER'S INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF MECHANICAL EQUIPMENT SHALL CONFORM CCR TITLE 24, SECTION 1632A AND TABLE 16A-O. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS AND HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

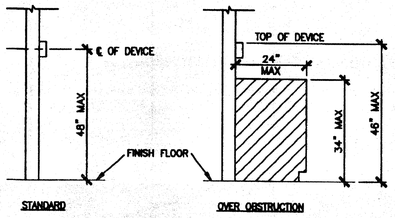
FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE , Z = 4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

04 104169
APR 18 2002



DEVICE MOUNTING

STKP-62 | 1

FILE PATH: 2440-4134.DWG

PROJECT NO. 4134

PC-04-101268

REVISIONS			
1	SP	MODTECH ENGINEERING CHANGE	09/28/00
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal

LICENSED ARCHITECT GEORGE C. EDWARDS REN. 9-30-03 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04
101268
AC FLS SS
DATE SEP 07 1999
REVISED OCT 08 2000

MODTECH

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134

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DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02

MODTECH Index No.

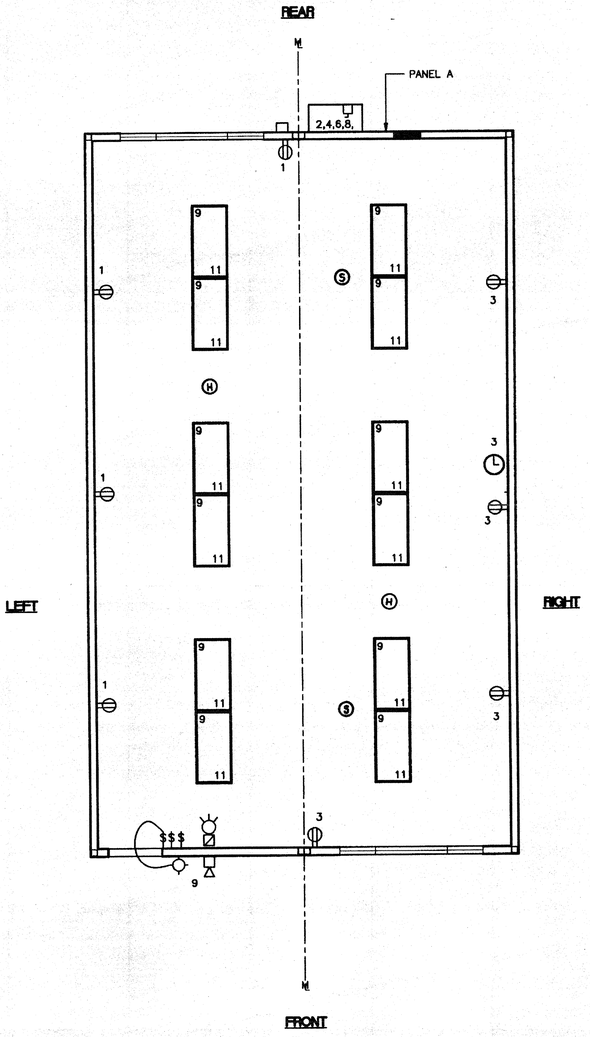
MECHANICAL (HVAC) PLAN 24'x40'

M1.01A

ELECTRICAL PANEL SCHEDULE

MAIN: 100 AMP 12 POLE | PANEL: A | LOCATION: REAR/INTERIOR | FEED: REAR | MOUNTING: FLUSH

LOAD	WATTS A∅	WATTS B∅	BREAKER Amps	BREAKER P	CKT	A	B	CKT	BREAKER P	BREAKER Amps	WATTS A∅	WATTS B∅	LOAD
RECEPTACLE	720		20	1	1			2	2	50	3360		HVAC (3 1/2T)
RECEPTACLE/CLOCK		720	20	1	3			4	–	–		3360	HVAC (3 1/2T)
					5			6	2	30	2500		HEAT STRIPS (5KW)
					7			8	–	–		2500	HEAT STRIPS (5KW)
INT/EXT LIGHTS	900		20	1	9			10					
INT. LIGHTS		840	20	1	11			12	–	–		40	FIRE ALARM (DEDICATED)
WATTS/PHASE A = 7480	1620	1560									5860	5900	B = 7460 WATTS/PHASE
TOTAL 15385 WATTS	65 AMPS		120/240 VOLTS						SINGLE ∅		THREE WIRE		

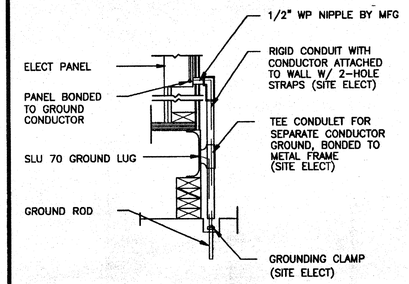


ELECTRICAL PLAN A (24'x40')

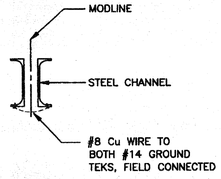
SCALE: 1/4" = 1'-0"

GENERAL GROUNDING NOTES

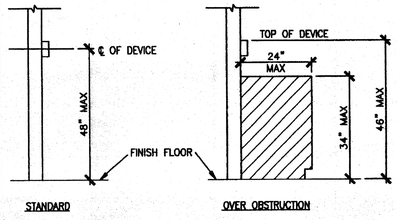
1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
4. GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.



TYP GROUNDING DETAIL | 1



GROUND JUMPER AT MOD LINE | 2



DEVICE MOUNTING | 3

ELECTRICAL LEGEND

- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE AT +93" AFF
- $ SWITCH AT +48" AFF
- $3 3WAY SWITCH AT +48" AFF UON
- DUPLEX WALL RECEPTACLE 15A 125V 3-WIRE AT +18" AFF UON
- HVAC UNIT (HV)
- 4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, TO ℄ 3/4" CO TO OR . PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE AT +80" AFF 3/4" CO TO PULLSTRING
- 4SD J-BOX FOR FIRE ALARM HORN AT +96" AFF 3/4" CO TO . PULLSTRING
- WEATHER PROOF GUTTER BOX (6"x6"x4") AT +18" AFF RECEIVE 3/4" CO FROM FA DEVICE, PULLSTRING
- ELECTRICAL PANEL AT +60" AFF TO CENTERLINE 1 1/4" POWER NIPPLE POC, GND JUMPER BY SITE ELECT
- CLOCK AT +90" AFF
- (H) **4SD J BOX FOR HEAT DETECTOR (ATTIC) ***
- (S) **4SD J BOX FOR SMOKE DETECTOR (ATTIC) ***

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24, SECTION 1632A AND TABLE 16A-O. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS MAY BE OMITTED FROM THE PLANS.

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EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

* 2. SMOKE AND HEAT DETECTORS SHOWN ARE FOR OPTIONAL AUTOMATIC DETECTION. IF ELECTED AS AN OPTION MODTECH WILL PROVIDE 4SD BOXES AND 3/4" CO MOUNTED ON UNDERSIDE OF ROOF PURLINS. DEVICES PROVIDED AND INSTALLED BY OTHERS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PROVIDED
OS 104169
FLS SS JP
APR 18 2002

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

CBC 1993

STKP-62

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal | Mechanical Engineer's Seal | Structural Engineer's Seal | Architect's Seal: LICENSED ARCHITECT GEORGE C. EDWARDS STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04 101268
AC FLS SS
DATE SEP 17 1999

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4134, 4153, 4173, 4203 4207, 4215, 4250 4284, 4302, 4350 4304, 4347, 4373, 4422 4506

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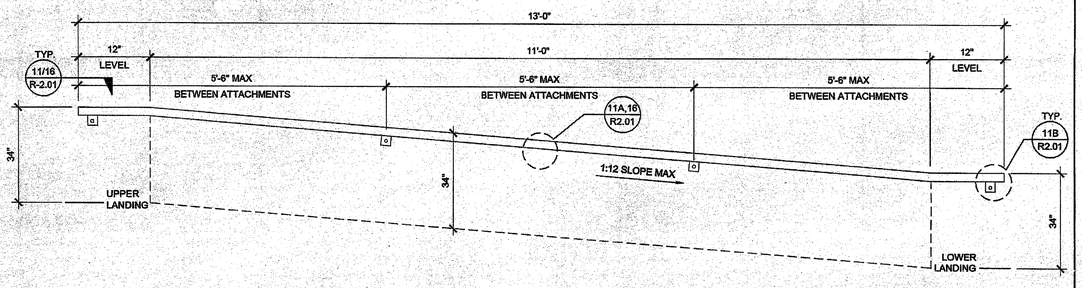
ELECTRICAL PLAN 24'x40' STANDARD

DRAWN BY: M. ANDERSEN
DATE: APR 15 2002
CHECKED BY: 4012-121
DATE: 04-16-02
MODTECH Index No.

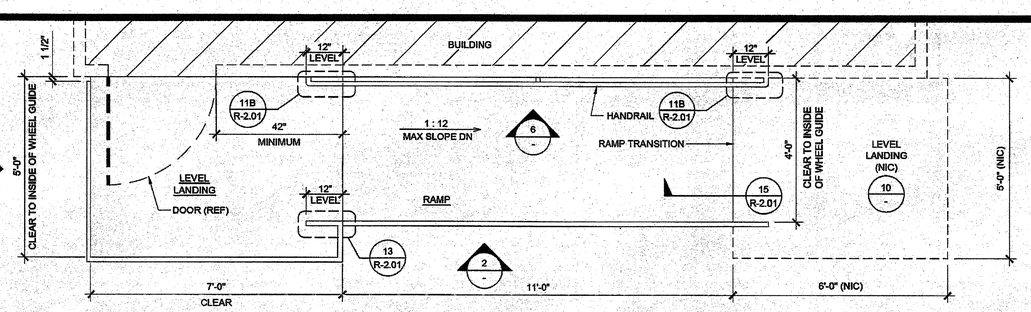
E1.01A

FILE PATH: 2440-4174.DWG PROJECT NO. 4174 4207 PC-04-101268



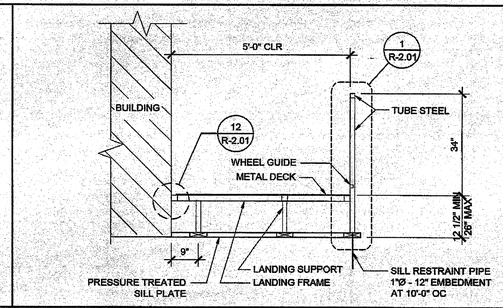
HANDRAIL ATTACHMENT TO BUILDING

SCALE : 1" = 1'-0" | 6



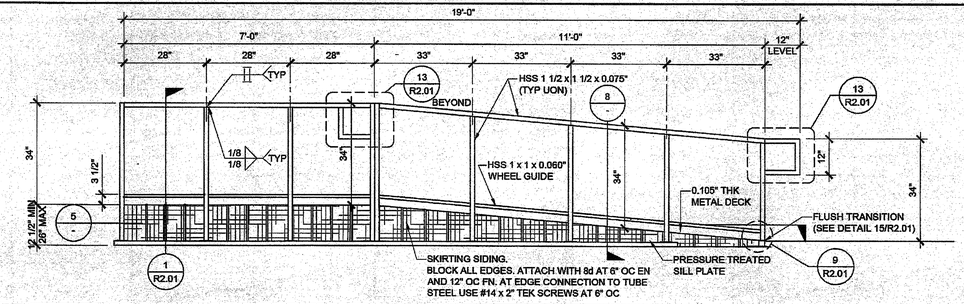
RAMP AND LANDING AT BUILDING

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



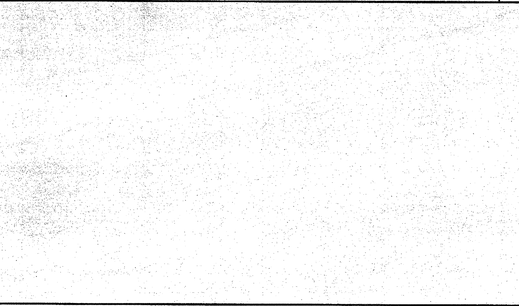
SECTION AT LANDING

SCALE : 1/2" = 1'-0" | 11



RAMP AND LANDING ELEVATION

SCALE : 1/2" = 1'-0" | 7

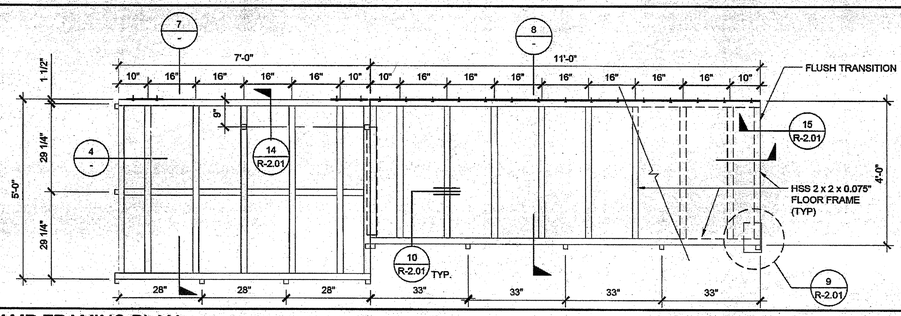


NOTE (*)

1. ALL HANDRAIL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

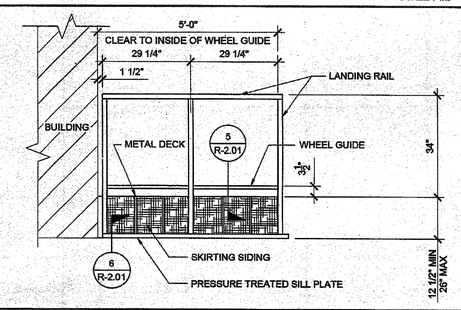
SECTION AT RAMP

SCALE : 1/2" = 1'-0" | 12



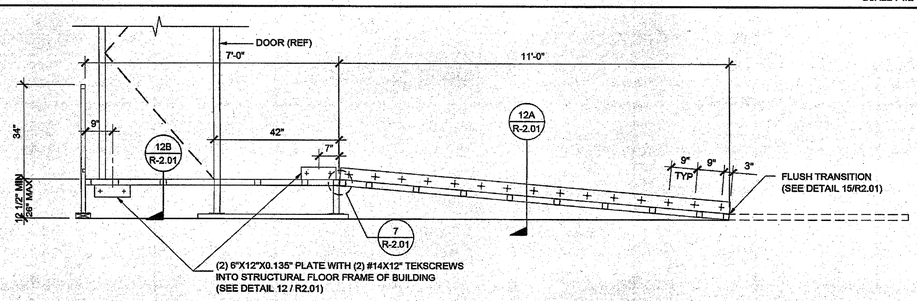
RAMP FRAMING PLAN

SCALE : 1/2" = 1'-0" | 8



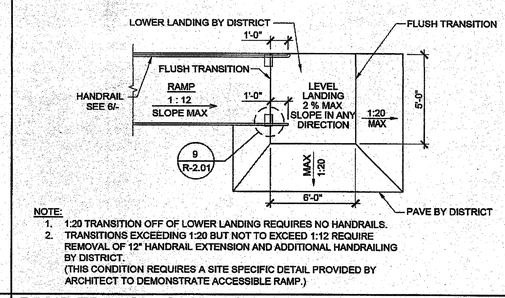
LANDING ELEVATION

SCALE : 1/2" = 1'-0" | 13



SECTION AT RAMP AND LANDING

SCALE : 1/2" = 1'-0" | 9

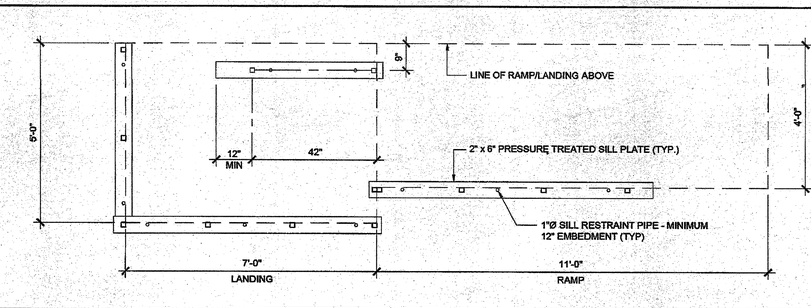


NOTE:

1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT.
   (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

RAMP TRANSITION

SCALE: NTS | 14



SILL PLAN FOR RAMP AND LANDING

SCALE : 1/2" = 1'-0" | 10 | 5

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SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

RAMP LANDING

LICENSED ARCHITECT R. SHIVELY III C-33457 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS DAV
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE CODE COMPLIANCE APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAP
DATE AUG - 4 2015

REVISIONS

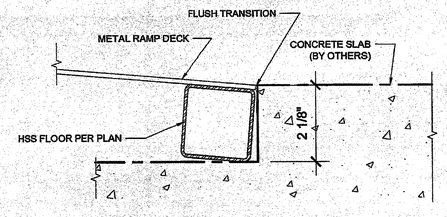
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 PITCH

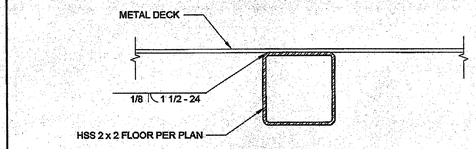
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

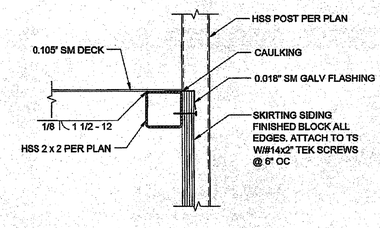
R-1.01



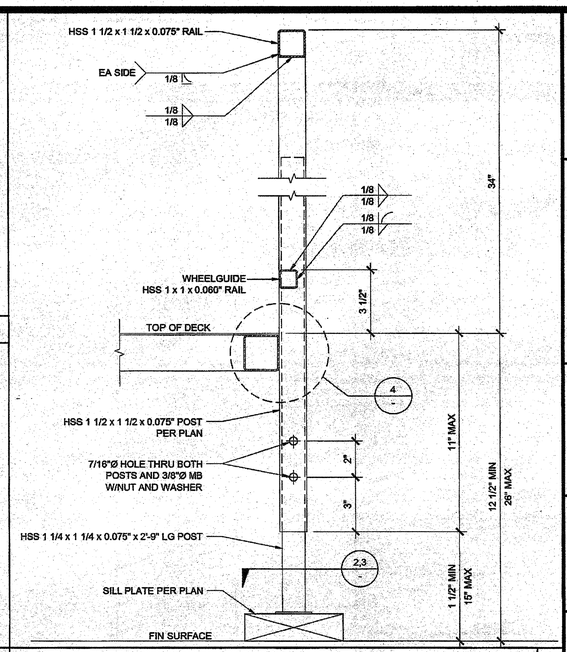
FLUSH TRANSITION AT BOTTOM OF RAMP SCALE : 6" = 1'-0" | 15



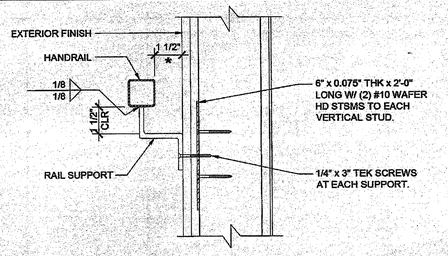
DECK TO FRAME SCALE : 6" = 1'-0" | 10



SKIRT FLASHING SCALE : 3" = 1'-0" | 5

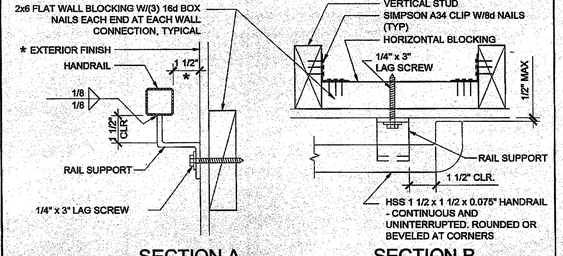


ADJUSTABLE LEG SCALE : 3" = 1'-0" | 1



NOTE (*)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-405.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

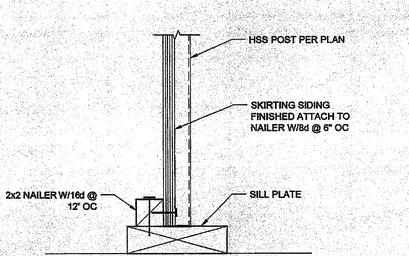
HANDRAIL CONNECTION AT SHEETMETAL BLKG SCALE : 3" = 1'-0" | 16



SECTION A SECTION B

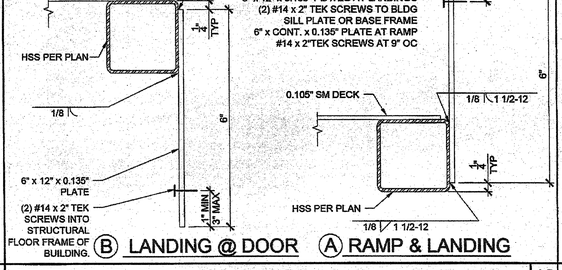
NOTE (*)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-405.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

HANDRAIL CONNECTION AT WOOD BLOCKING SCALE : 3" = 1'-0" | 11



SKIRT FLASHING AT SILL PLATE SCALE : 3" = 1'-0" | 6

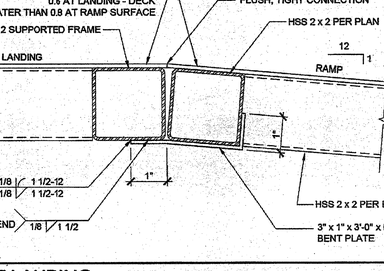
ADJUSTABLE LEG SCALE : 3" = 1'-0" | 1



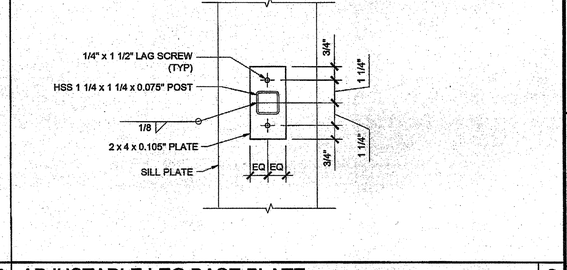
Ⓑ LANDING @ DOOR Ⓐ RAMP & LANDING

17

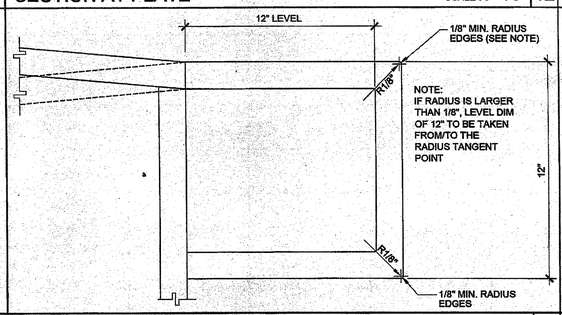
SECTION AT PLATE SCALE : 6" = 1'-0" | 12



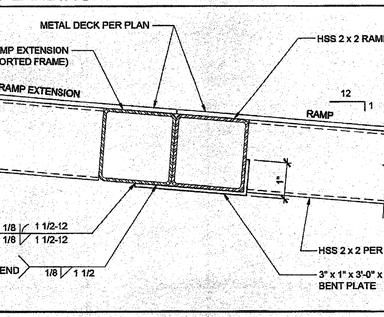
RAMP AT LANDING SCALE : 6" = 1'-0" | 7



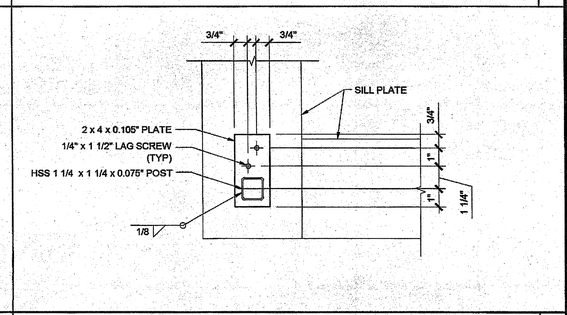
ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" | 2



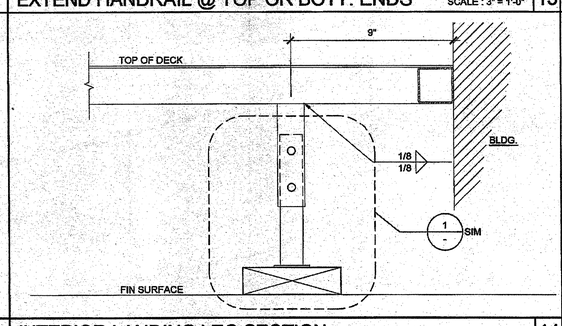
EXTEND HANDRAIL @ TOP OR BOTT. ENDS SCALE : 3" = 1'-0" | 13



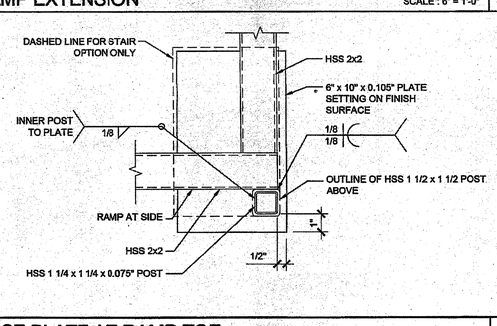
RAMP EXTENSION SCALE : 6" = 1'-0" | 8



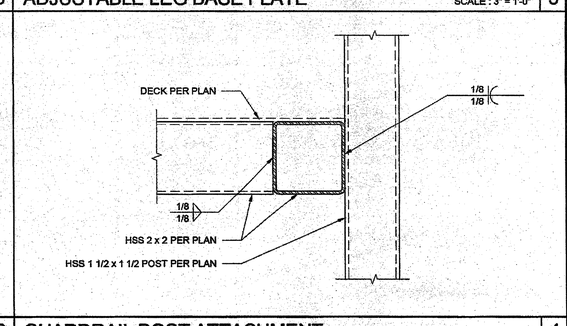
ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" | 3



INTERIOR LANDING LEG SECTION SCALE : 3" = 1'-0" | 14



BASE PLATE AT RAMP TOE SCALE : 3" = 1'-0" | 9



GUARDRAIL POST ATTACHMENT SCALE : 6" = 1'-0" | 4

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"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

BAKERSFIELD USD
HORACE MANN ES
48x40 OFFICE BUILDING

SHEET TITLE:

RAMP DETAILS

LICENSED ARCHITECT JOHN K. SHITTLER III C-33467 REN 01-31-2017 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 119040
AC FLS SS
Date MAY 22 2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 117380
ACS FLS SS
DATE APR 26 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEPARATE PROJECT APPLICATION & PCR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FLS SS RAP
DATE AUG - 4 2015

REVISIONS

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SILVER CREEK INDUSTRIES 24' x 40' PC - 2:12 PITCH	
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	01-30-15

P.C. SHEET NUMBER

R-2.01