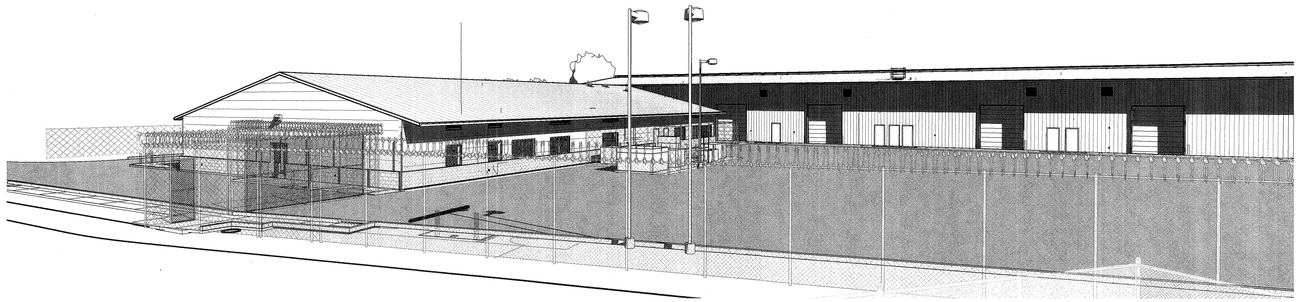
SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER

2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM FILE # 40-48-44-1001
P.C.A# 800-10
SOLANO COUNTY BSCC # A 26-13
BSCC FACILITY # 095-5480.08

100% CONSTRUCTION DOCUMENTS



CONSULTANT

KITCHELL CEM
2450 VENTURE OAKS WAY SUITE 500
SACRAMENTO, CA 95833
PH. 916.648.9700
FAX 916.648.6534

PM CONTACT:	NICHOLAS NGANGA	CIVIL:	JOSHUA DEY
ARCHITECT:	GORDON ROGERS	STORM WATER CIVIL:	PETER CARLINO
MECHANICAL:	SERGIO RODRIGUEZ	FIRE SPRINKLER:	MARK ERVIN
STRUCTURAL:	DANNY VANG	SECURITY ELECTRONICS:	FRANK NIEDZWIEDZ
ELECTRICAL:	GERALD NEUFFER		

SOLANO COUNTY
CAPITAL PROJECTS MANAGEMENT DIVISION
675 TEXAS ST., SUITE 2500, FARFIELD, CA 94533
PH: 707.784.7908
PM CONTACT: ORLIE CORONEL- MANGUNE

PROJECT SCOPE

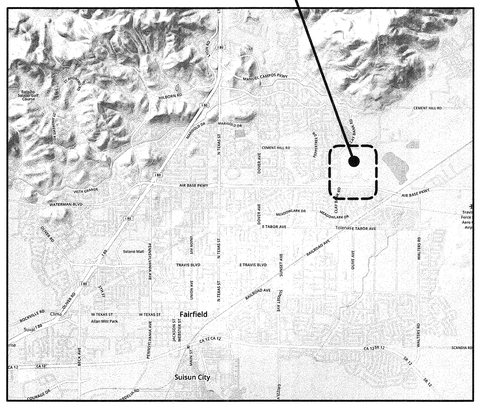
THE PROPOSED PROJECT CONSISTS OF TWO PRE-ENGINEERED BUILDINGS AND SITE IMPROVEMENTS ON A FLAT DEPRESSED SITE ADJACENT TO THE EXISTING CLAYBANK DETENTION FACILITY. THE PROPOSED IMPROVEMENTS WILL BE UTILIZED FOR TRAINING TO SUPPORT VISUAL, AUDITORY AND KINESTHETIC LEARNING STYLES, AS WELL AS CHAPLAINCY SERVICES, IN ORDER TO FOSTER REHABILITATION AND REENTRY OF ADULT OFFENDERS BACK INTO SOCIETY. THE NEW FACILITIES WILL AUGMENT EXISTING PROGRAM SPACE AT THE CLAYBANK CAMPUS TO PROVIDE COMPLETE ARRAY OF REHABILITATION/REENTRY PROGRAMS PROVIDED BY SOLANO COUNTY TO ADULT OFFENDERS.

DEFFERED APPROVAL ITEMS

1. AUTOMATIC FIRE ALARM SYSTEM.
2. FIRE SPRINKLER PROTECTION SYSTEM.
3. METAL BUILDING SYSTEM COMPONENTS INCLUDING BUT NOT LIMITED TO STRUCTURAL FOOTINGS, ANCHOR ROD, VERTICAL AND LATERAL SYSTEM DESIGN, ROOF AND EXTERIOR METAL PANELS, INSULATED EXTERIOR METAL PANELS, ATTACHED CANOPY, SUPPORTS, AND PRE-FABRICATED FIXED ACCESS STAIRS INCLUDING FOOTINGS AND ANCHOR ROD.
4. THE CONTRACTOR SHALL SCHEDULE AND GIVE PROMPT ATTENTION TO THE PREPARATION AND SUBMITTAL OF THESE DEFFERED APPROVAL ITEMS. EXTENSION OF CONTRACT TIME WILL NOT BE GRANTED IF THE PROJECT IS DELAYED DUE TO NOT MAKING SUBMITTALS IN A TIMELY MANNER.

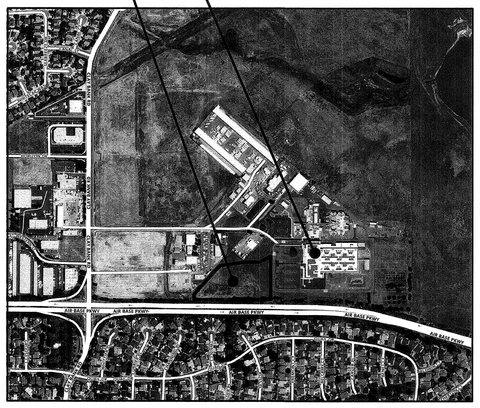
THE GENERAL CONTACTOR SHALL BE RESPONSIBLE FOR HIRING LICENSED PROFESSIONALS AS REQUIRED TO DESIGN AND BUILD THE SYSTEMS AS WELL AS PROVIDE SERVICES TO INCLUDE THE PREPARATION OF DRAWINGS AS REQUIRED FOR PERMIT AND PLAN REVIEW BY LOCAL AUTHORITIES' AND THE CALIFORNIA STATE FIRE MARSHALL HAVING JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SUBMITTING THE DRAWINGS TO ALL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT FOR REVIEW AND APPROVAL. THE DEFFERED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL AND ARCHITECT AND/OR STRUCTURAL ENGINEER.

PROJECT LOCATION



VICINITY MAP
NTS

PROJECT LOCATION — **EXISTING STANTON CORRECTIONAL FACILITY**



LOCATION MAP
NTS

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BEST VALUE ENHANCEMENTS TO BASE PROJECT SCOPE (ADD ALTERNATES)

ITEM NO.	ENHANCEMENT ITEM DESCRIPTION
1	PROVIDE ONE (1) TWO INCH CONDUIT FROM ROAD PULL BOX TO BLDG A FOR FUTURE INTERNET CABLE
2	PROVIDE AND INSTALL ROLL-UP DOOR GRILLES AT ALL ROLL-UP DOORS ON NORTH SIDE OF BUILDING B
3	PROVIDE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A
4	PROVIDE BULLET RESISTANT LINER (LEVEL 5) AT SECURITY BOOTH WALLS
5	PROVIDE PASS HOPPER TRANSACTION DRAWER AT SECURITY BOOTH ON ROOM A120
6	INSTALL DATA/TEL/SECURITY CONNECTIVITY FROM SB1022 BLDG A STUB-OUT TO THE EXISTING STANTON & CLAYBANK FACILITIES
7	INSTALL AND STUB OUT THREE (3) FOUR INCH CONDUITS FROM BUILDING A TO THE NORTH END OF THE SITE FOR FUTURE SECURITY AND TEL/DATA CONNECTIVITY
8	ADD THREE CLERESTORY LIGHT WELLS IN BUILDING A
9	INCREASE NUMBER OF INTERCOMS AT BOTH BUILDINGS BY A TOTAL OF THIRTEEN (13)
10	INCREASE NUMBER OF CCTV CAMERAS AT BOTH BUILDINGS BY A TOTAL OF THREE (3)
11	INCREASE THE NUMBER OF CARD READERS AT BUILDING B BY A TOTAL OF EIGHT (8)
12	INCREASE THE CCTV STORAGE CAPACITY FROM 120TB TO 400TB
13	PROVIDE BLOCK WAINSCOTING AT REAR (WEST ELEVATION) OF BUILDING A
14	PROVIDE BLOCK WAINSCOTING ON BUILDING A AT FRONT AND SIDES (NORTH, SOUTH AND EAST ELEVATIONS)
15	PROVIDE SELECT REPAIR BAY EQUIPMENT: MOBILE DESK, WORKBENCH, BATTERY CHARGER, LATHE, ENGINE HOIST, TIRE CHANGE, AUTOCLAVE AND TRUCK WHEEL BALANCER
16	INSTALL BLOCK WAINSCOTING AT BUILDING B ON ALL SIDES TO MATCH BUILDING A CONSTRUCTION
17	INCREASE PLYWOOD SIDING AT BUILDING B FROM 8'-0" AFF TO 14'-0" AFF, NOT-TREATED
18	PROVIDE WATER MANAGEMENT SYSTEM, BUILDING A HOLDING ROOMS COMBO UNITS
19	PROVIDE METAL CASEWORK CUBBIES AT BUILDING B
20	PROVIDE METAL DETECTORS (2) AT BUILDING A
21	INSTALL MOTION DETECTION ALARM SYSTEM IN BUILDING B THAT REPORTS TO THE SHERRIFF'S OFFICE.
22	UPSIZE UPS FOR TWO (2) COMPUTERS AT SECURITY BOOTH IN BUILDING A TO PROVIDE FOR TWO (2) HOUR STANDBY POWER
23	ONE COMPLETE MEZZANINE IN BUILDING B BETWEEN GRIDLINES 3.1 AND 5.1 INCLUDING STAIRS
24	ONE COMPLETE MEZZANINE IN BUILDING B BETWEEN GRIDLINES 10 AND 11.1 INCLUDING STAIRS
25	ONE COMPLETE MEZZANINE IN BUILDING B BETWEEN GRIDLINES 15.1 AND 17 INCLUDING STAIRS
26	ONE COMPLETE MEZZANINE IN BUILDING B BETWEEN GRIDLINES 20 AND 21.1 INCLUDING STAIRS

THE BID ADD ALTERNATES NOTED ABOVE ARE INCLUDED AND SHOWN AS PART OFTHE CONSTRUCTION DOCUMENTS SET, FOR REFERENCE AND COORDINATION PURPOSE ONLY AND NOT CONSIDERED AS PART OF THE BASE BID SCOPE OF WORK.

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: GWR 1-20-17

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533
SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
COVER SHEET

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO.	SHEET
4907A3	G001
DATE 11/9/2016	

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LAST REVISION: 1/19/2017 4:08:02 PM

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G002 SHEET INDEX
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G101 CAL GREEN CHECK LIST
G102 ACCESSIBILITY DETAILS
G103 SIGNAGE AND FIRE PROTECTION
G105 FIRE ACCESS SITE PLAN
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G201 TITLE 24 - BLDG A
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G203 TITLE 24 - BLDG B
G204 TITLE 24 - BLDG B
G205 TITLE 24 - BLDG B
G206 TITLE 24 - OUTDOOR LIGHTING

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C200 CIVIL DEMOLITION PLAN
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C301 CIVIL SITE GRADING AND DRAINAGE PLAN - 2 OF 2
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C400 CIVIL SITE UTILITY PLAN - 1 OF 2
C401 CIVIL SITE UTILITY PLAN - 2 OF 2
C402 CIVIL SITE UTILITY DETAILS - 1 OF 3
C403 CIVIL SITE UTILITY DETAILS - 2 OF 3
C404 CIVIL SITE UTILITY DETAILS - 3 OF 3
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C601 CIVIL EROSION CONTROL & FENCING PLAN - 2 OF 2
C601A ALTERNATE CIVIL EROSION CONTROL & FENCING PLAN
C602 PERIMETER FENCING DETAILS
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A202.1 DIMENSION FLOOR PLAN - BLDG B - WEST
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A232 ROOF PLAN - BLDG B - WEST
A233 ROOF PLAN - BLDG B - EAST
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A255 FURNITURE PLAN - BLDG B - WEST
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A703 INTERIOR SECTIONS & DETAILS
A704 INTERIOR CASEWORK DETAILS
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A712 TYPICAL EXTERIOR WALL DETAILS
A801 DOOR SCHEDULE
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A804 TYPICAL EXTERIOR DETAILS
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A806 EXTERIOR AND INTERIOR DETAILS
A810 TYPICAL CHAIN LINK AND GATE DETAILS
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S004 TYPICAL DETAILS
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M703 MECHANICAL DETAILS (1)
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P701 PLUMBING DETAILS
P801 PLUMBING SCHEDULES & DIAGRAMS

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FP221 FIRE PROTECTION REFLECTED CEILING PLAN - BLDG A
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E803 LIGHTING CONTROL DIAGRAM
E804 MEASUREMENT & VERIFICATION - BLOCK DIAGRAM
E901 ELECTRICAL SCHEDULES & CALCULATIONS
E902 LIGHTING FIXTURES SCHEDULE
E903 ELECTRICAL PANEL SCHEDULES
E904 ELECTRICAL PANEL SCHEDULES
E905 ELECTRICAL PANEL SCHEDULES

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FA203 FIRE ALARM PLAN - BLDG B - EAST
FA204 FIRE ALARM PLAN - STORAGE SHELF
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ES203 ELECTRONIC SECURITY PLAN - BLDG B - EAST
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ES401 CAMERA VIEWS BUILDING A
ES402 CAMERA VIEWS BUILDING A
ES403 CAMERA VIEWS BUILDING A
ES404 CAMERA VIEWS BUILDING B
ES405 CAMERA VIEWS BUILDING B
ES406 CAMERA VIEWS BUILDING B
ES407 CAMERA VIEWS BUILDING B
ES408 CAMERA VIEWS BUILDING B
ES409 CAMERA VIEWS BUILDING B
ES501 CAMERA SCHEDULE
ES502 CAMERA RISER
ES503 PLC 7 WAP RISER
ES504 POWER RISER
ES505 PAGING, INTERCOM, & CARD ACCESS RISER
ES506 NETWORK & RADIO RISER
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ES602 CAMERA DETAILS

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T803 TYPICAL BUILDING B CLASSROOM A/V BLOCK DIAGRAM

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EMERGENCY LIGHTING (NOT PART OF BIDDING DOCUMENTS)
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EL-2 EMERGENCY LIGHTING ANALYSIS PLAN - BLDG B - WEST
EL-3 EMERGENCY LIGHTING ANALYSIS PLAN - BLDG B - EAST
EL-4 EMERGENCY LIGHTING ANALYSIS PLAN - BLDG B - STORAGE SHELF PARTIAL

LAST REVISION: 1/19/2017 4:08:05 PM

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LICENSED ARCHITECT
GORDON W. ROGERS
Exp. 8/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
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SFM APPROVAL SET

PROJECT STATUS:
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REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2		
3		
4		
5		

JOB NO. 4907A3
DATE 11/9/2016
SHEET G002

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FIRE AREA BUILDING 'A' CONSTRUCTION TYPE II-A

FIRE FLOW CALCULATION AREA:	9,940 SF
FIRE SUPRESSION SYSTEM:	FULLY SPRINKLED WET SYSTEM
REQUIRED FIRE FLOW PER CFC TABLE B105.1:	1,500 GPM
FIRE FLOW REDUCTION PER CFC B105.2 EXC. 1:	REDUCTION OF 50% (NOT REQUIRED)
FIRE HYDRANT FLW AND PRESSURE PROVIDED	1,500 GPM @ 20 PSI MINIMUM FOR 2 HRS

FIRE AREA BUILDING 'B' CONSTRUCTION TYPE II-B

FIRE FLOW CALCULATION AREA:	29,400 SF + 7,280 SF (MEZZANINE) = 36,680 SF
FIRE SUPRESSION SYSTEM:	FULLY SPRINKLED WET SYSTEM
REQUIRED FIRE FLOW PER CFC TABLE B105.1:	4,000 GPM
FIRE FLOW REDUCTION PER CFC B105.2 EXC. 1:	REDUCTION OF 50% 2,000 GPM
FIRE HYDRANT FLW AND PRESSURE PROVIDED	2,000 GPM @ 20 PSI MINIMUM FOR 4 HRS
NUMBER OF FIRE HYDRANTS REQUIRED PER CFC TABLE C105.1:	3
PROVIDED:	(3) NEW
AVERAGE SPACING BETWEEN HYDRANTS REQUIRED PER CFC TABLE C105.1:	500 FT
PROVIDED:	450 FT

LIFE SAFETY NOTES:

1. APPROVAL OF THE AUTOMATIC FIRE ALARM SYSTEM AND THE AUTOMATIC FIRE SPRINKLER SYSTEM BY THE CALIFORNIA STATE FIRE MARSHAL IS DEFERRED. SHOP DRAWINGS FOR THESE SYSTEMS MUST BE SUBMITTED TO THE CALIFORNIA STATE FIRE MARSHAL AND THE BOARD OF STATE AND COMMUNITY CORRECTIONS, FOR APPROVAL PRIOR TO INSTALLATION BY CONTRACTOR.
2. THE ENTIRE BUILDING SHALL BE PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM PER CBC 903.2.6.2 THE SYSTEM SHALL CONFORM TO THE 2013 EDITION OF NFPA PAMPHLET 13.
3. THE FIRE AND LIFE SAFETY REVIEW AND APPROVAL OF THIS PROJECT BY THE CALIFORNIA STATE FIRE MARSHAL INCLUDES THE BUILDING AND ITS EXITING SYSTEM. THE LOCAL FIRE AUTHORITY HAVING JURISDICTION OVER THE SITE SHALL BE CONSULTED REGARDING ACCESS ROADS, GATES IN PERIMETER FENCES, LOCATION OF FIRE HYDRANTS, FIRE DEPARTMENT PUMPER CONNECTIONS, PORTABLE FIRE EXTINGUISHERS AND FIRE PROTECTION PRIOR TO APPROVAL OF DRAWINGS.
4. INSTALLATION OF THE FIRE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION) HAVE BEEN APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL AND THE STATE OF CALIFORNIA CORRECTIONS STANDARDS AUTHORITY AND THE LOCAL FIRE AUTHORITY.
5. THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA ELECTRICAL CODE ARTICLE 760, CALIFORNIA FIRE CODE SECTION 907, AND THE 2013 EDITION OF PAMPHLET 72. INSTALLATION OF THE SYSTEM SHALL NOT BEGIN UNTIL PLANS AND SPECIFICATIONS INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT, HAVE BEEN APPROVED BY THE STATE FIRE MARSHAL OFFICIAL AT VARIOUS STAGES AND UPON COMPLETION OF THE INSTALLATION, TESTS OF THE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCIES.
6. PENETRATION OF FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE APPROVED MATERIAL AS PRESCRIBED IN CBC STANDARDS 12-7-1.

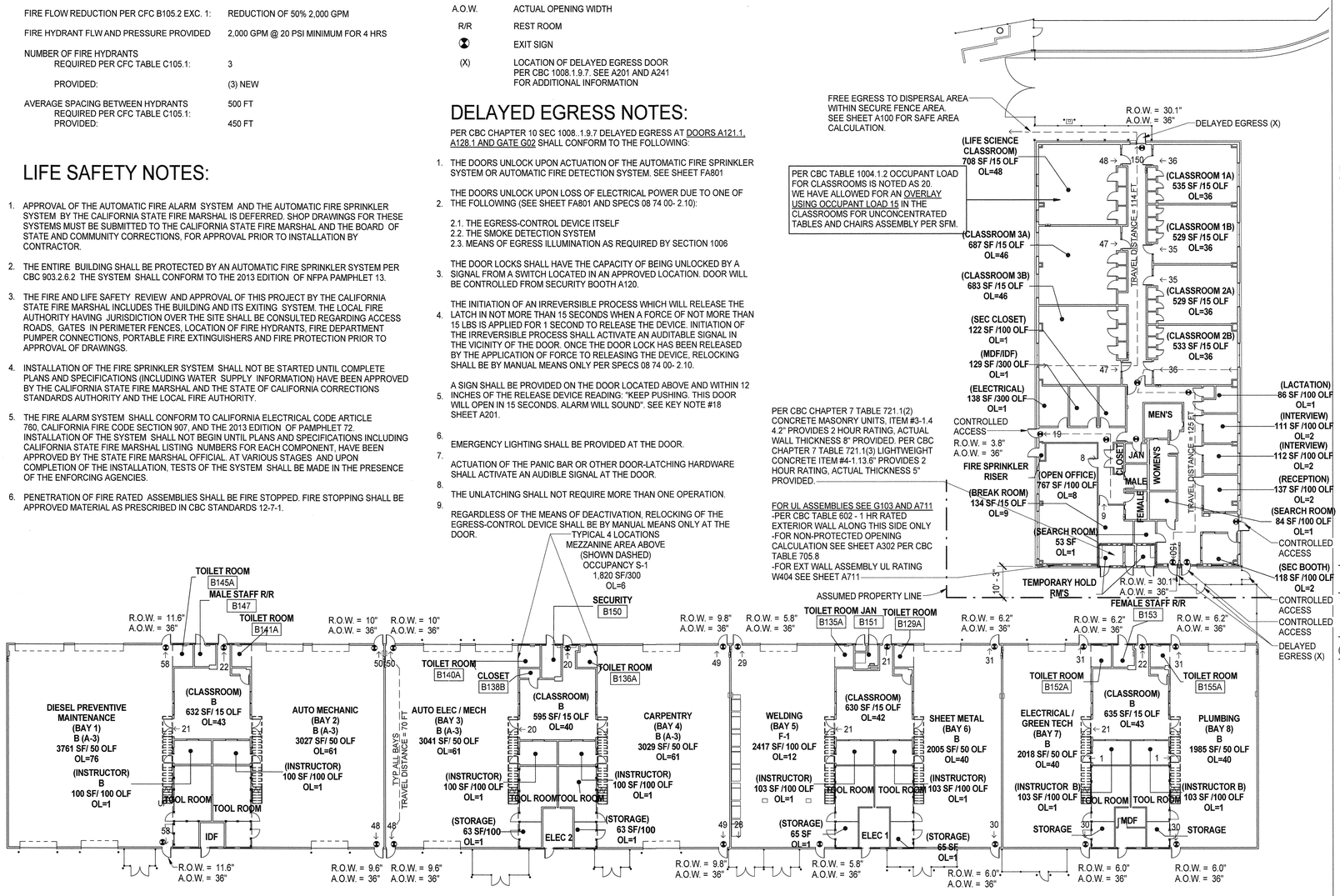
FIRE LIFE SAFETY LEGEND

⟷	ROOM OR AREA MAXIMUM DIAGONAL DIMENSION
← – – —	MAXIMUM PATH OF TRAVEL
↑ 2	OCCUPANT LOAD AND DIRECTION OF EXIT ACCESS
OL	OCCUPANT LOAD
OLF	OCCUPANT LOAD FACTOR
M.O.L.	MAXIMUM OCCUPANT LOAD
R.O.W.	REQUIRED OCCUPANT WIDTH
A.O.W.	ACTUAL OPENING WIDTH
R/R	REST ROOM
	EXIT SIGN
(X)	LOCATION OF DELAYED EGRESS DOOR PER CBC 1008.1.9.7. SEE A201 AND A241 FOR ADDITIONAL INFORMATION

DELAYED EGRESS NOTES:

PER CBC CHAPTER 10 SEC 1008. 1.9.7 DELAYED EGRESS AT DOORS A121.1, A128.1 AND GATE G02 SHALL CONFORM TO THE FOLLOWING:

1. THE DOORS UNLOCK UPON ACTUATION OF THE AUTOMATIC FIRE SPRINKLER SYSTEM OR AUTOMATIC FIRE DETECTION SYSTEM. SEE SHEET FA801
2. THE DOORS UNLOCK UPON LOSS OF ELECTRICAL POWER DUE TO ONE OF THE FOLLOWING (SEE SHEET FA801 AND SPECS 08 74 00- 2.10):
   2.1. THE EGRESS-CONTROL DEVICE ITSELF
   2.2. THE SMOKE DETECTION SYSTEM
   2.3. MEANS OF EGRESS ILLUMINATION AS REQUIRED BY SECTION 1006
3. THE DOOR LOCKS SHALL HAVE THE CAPACITY OF BEING UNLOCKED BY A SIGNAL FROM A SWITCH LOCATED IN AN APPROVED LOCATION. DOOR WILL BE CONTROLLED FROM SECURITY BOOTH A120.
4. THE INITIATION OF AN IRREVERSIBLE PROCESS WHICH WILL RELEASE THE LATCH IN NOT MORE THAN 15 SECONDS WHEN A FORCE OF NOT MORE THAN 15 LBS IS APPLIED FOR 1 SECOND TO RELEASE THE DEVICE. INITIATION OF THE IRREVERSIBLE PROCESS SHALL ACTIVATE AN AUDITABLE SIGNAL IN THE VICINITY OF THE DOOR. ONCE THE DOOR LOCK HAS BEEN RELEASED BY THE APPLICATION OF FORCE TO RELEASING THE DEVICE, RELOCKING SHALL BE BY MANUAL MEANS ONLY PER SPECS 08 74 00- 2.10.
5. A SIGN SHALL BE PROVIDED ON THE DOOR LOCATED ABOVE AND WITHIN 12 INCHES OF THE RELEASE DEVICE READING: "KEEP PUSHING. THIS DOOR WILL OPEN IN 15 SECONDS. ALARM WILL SOUND". SEE KEY NOTE #18 SHEET A201.
6. EMERGENCY LIGHTING SHALL BE PROVIDED AT THE DOOR.
7. ACTUATION OF THE PANIC BAR OR OTHER DOOR-LATCHING HARDWARE SHALL ACTIVATE AN AUDIBLE SIGNAL AT THE DOOR.
8. THE UNLATCHING SHALL NOT REQUIRE MORE THAN ONE OPERATION.
9. REGARDLESS OF THE MEANS OF DEACTIVATION, RELOCKING OF THE EGRESS-CONTROL DEVICE SHALL BE BY MANUAL MEANS ONLY AT THE DOOR.



1 FIRE LIFE SAFETY PLANS
1" = 20'-0"

0 10'-0" 20'-0" 40'-0"

N

PLUMBING FIXTURE COUNTS

2013 CPC TABLE 422.1 - TOTAL OCCUPANT LOAD SHALL BE DETERMINED IN ACCORDANCE WITH THE OCCUPANT LOAD FACTOR TABLE A.

2013 CPC TABLE A — BUILDING A
GROUP B OCCUPANCY OLF = 200/SF
9,940 SF / 200 = 49 OCCUPANTS
ASSUMING 100 INMATES AT FACILITY
USE RATIO OF 85% MALE & 15% FEMALE
MALE= 85 AND, FEMALE=15

CPC TABLE 422.1

FIXTURES	MALE REQ.	MALE ACTUAL	FEMALE REQ.	FEMALE ACTUAL
WC	2	5	1	3
UR	1	1	-	-
LAV	2	5	1	3

1 DF REQ = 1 DF: PROVIDED (ADDITIONAL UNITS PROVIDED IN BLDG B *)
1 SS REQ = 1 SS: PROVIDED

2013 CPC TABLE A — BUILDING B
GROUP B: 26,851 SF / 200 = 135 OCCUPANTS
GROUP A-3: 9,829 SF / 30 = 328 OCCUPANTS
USE RATIO OF 85% MALE & 15% FEMALE
GROUP B: MALE=115 AND, FEMALE=20
GROUP A-3: MALE=279 AND, FEMALE=49

CPC TABLE 422.1

FIXTURES		MALE REQ.	FEMALE REQ.	UNISEX	STAFF MALE	STAFF FEMALE	TOTAL
		ACTUAL FIXTURES PROVIDED					
WC	GRP B	3	2	8	1	1	10
	GRP A	3	2				
UR		-	-	-	-	-	-
LAV	GRP B	3	1	8	1	1	10
	GRP A	2	1				

2 DF REQ = 8 DF: PROVIDED *
1 SS REQ = 1 SS: PROVIDED

CODE ANALYSIS

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF TWO BUILDINGS, A 10,000 SF CLASSROOM BUILDING AND A 30,000 SF VOCATIONAL EDUCATION BUILDING IN AN EXISTING DETENTION CAMPUS (JAIL) AND ASSOCIATED SITE IMPROVEMENTS. THE BUILDING WILL INCLUDE PROGRAM SPACES, CLASSROOM SPACES AND ADMINISTRATION SPACE FOR INMATES.

GOVERNING CODES AND REGULATIONS:
CALIFORNIA BUILDING CODE (CBC)
CALIFORNIA CODE OF REGULATIONS TITLE 19
PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
CALIFORNIA CODE OF REGULATIONS TITLE 24

PART 1	2013	BUILDING STANDARDS ADMINISTRATIVE CODE
PART 2	2013	CALIFORNIA BUILDING CODE VOLS. 1 & 2 (2012 IBC AS AMENDED BY CA)
PART 3	2013	CALIFORNIA ELECTRICAL CODE (2008 NEC AS AMENDED BY CA)
PART 4	2013	CALIFORNIA MECHANICAL CODE (2009 UMC AS AMENDED BY CA)
PART S	2013	CALIFORNIA PLUMBING CODE (2009 UPC AS AMENDED BY CA
PART 9	2013	CALIFORNIA FIRE CODE (2009 IFC AS AMENDED BY CA)
PART 11	2013	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen)
PART 12	2013	CALIFORNIA REFERENCED STANDARDS

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CA AMENDED)	2013 EDITION
NFPA 14	STANDPIPE SYSTEMS (CA AMENDED)	2013 EDITION
NFPA 17A	WET CHEMICAL SYSTEMS	2013 EDITION
NFPA 24	PRIVATE FIRE MAINS (CA AMENDED)	2013 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CA AMENDED)	2013 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVES	2013 EDITION

MINIMUM STANDARDS FOR LOCAL DETENTION FACILITIES, TITLE 24
PART 1, SECTION 13-102
PART 2, SECTION 1231

BUILDING OCCUPANCY CLASSIFICATION AND USE (CBC CHAPTER 3):
BUILDING A - B OCCUPANCY
BUILDING B - NON-SEPERATED OCCUPANCY PER CBC 508.3 USE MOST RESTRICTIVE OCCUPANCY.B, A-3 AND S-1. F-1 AT WELDING SHOP FOR INDUSTRIAL USE
BLDG A - EGRESS OL 315 TOTAL PER CBC 1005.3.2
BLDG B - EGRESS OL 607 TOTAL PER CBC 1005.3.2

EXIT DISCHARGE PER (CBC CHAPTER 10):
CBC 1027.5 EXITS ARE PERMITTED TO DISCHARGE INTO A FENCE OR WALLED COURTYARD. ENCLOSED YARD SHALL BE OF A SIZE TO ACCOMADATE ALL OCCUPANTS, A MINIMUM OF 50 FEET FROM THE BUILDING AND A NET AREA OF 5 SQ. FEET PER PERSON. A GATE SHALL BE PROVIDED FROM THE SAFE DISPERSAL TO ALLOW FOR THE NECESSARY RELOCATION OF OCCUPANTS AS SHOWNON SHEET A100.

GENERAL BUILDING HEIGHTS AND AREAS (CBC CHAPTER 5): TABLE 503

Building Occupancy	Type of Contruction	Basic Allowable Area/Height (Table 503)	Area Increase due to Frontage	Area Increase due to Fire Sprinker	Adjusted Allowable Area	Actual Building Area
BLDG A: B OCCUPANCY WITH TEMP HOLDING PER CBC 408.1.2.6	Type IIA	37,500 SF 5 stories	0	N/A	37,500 SF	9,940 SF
	Per Table 601 Footnote D, Sprinkler Shall Be Used To Substitute 1-HR Resistance Rated Construction. Exterior Walls Per CBC Table 602 Shall Have 1 HR protection Assumed Property Line Spacing.					
BLDG B: OCCUPANCY B, F-1, S-1, A-3 Use A-3 as the most restrictive for Allowable Area Increase PER CBC 508.3.	Type IIB	9,500 SF 2 stories	0	300 percent	38,000 SF	29,400 SF + 7,280 SF (MEZZANINE) = 36,680 SF

Building B (Sprinklers Allowable Area Increase)
Aa = (At + [At x If] + [At x Is])
Aa = (9,500 + [0] + [9,500 x 3)]
Aa = 9,500 + 0 + 28,500
Aa =38,000 SF

CBC 505.1 - MEZZANINES IN COMPLIANCE WITH 505.2 SHALL NOT BE GREATER THAN ONE THIRD OF THE FLOOR AREA OF THE SPACE IN WHICH THEY ARE LOCATED AND SHALL NOT CONTRIBUTE TO THE BUILDING AREA BUT INCLUDED IN THE FIRE AREA.

TABLE 508.3 MIXED OCCUPANCIES: NONSEPARATED OCCUPANCIES NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES:

TABLE 509 INCIDENTAL USES:
1. FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000Btu PER HOUR INPUT: 1 HOUR SEPARATION OR AUTOMATIC SPRINKLER SYSTEM (SPRINKLER SYSTEM PROVIDED).
2. PER CEC, ROOM WITH TRANSFORMER IN EXCESS OF 112.5 KVA: 1 HOUR SEPARATION.

TYPE OF CONSTRUCTION (CBC CHAPTER 6):
TABLE 601 TYPE OF CONSTRUCTION:

BUILDING ELEMENT		BUILDING A TYPE IIA*	BUILDING B TYPE IIB
PRIMARY STRUCTURAL FRAME:		1	0
BEARING WALLS:	EXTERIOR:	1	N/A
	INTERIOR:	1	N/A
NON-BEARING WALLS AND PARTITIONS, EXTERIOR: (TABLE 602, FIRE SEPARATION = 10 ≤ x < 30)		1	0
NON-BEARING WALLS AND PARTITIONS, INTERIOR:		1	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS (CBC SEC 202):		1	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS (CBC SEC 202):		1	0

*BLDG A ONLY - Per Table 601 Footnote d, Sprinklers Used to Reduce 1-HR Fire Resistance Rating.
This building is not using fire sprinklers for Allowable Area Increas.

TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT (OCCUPANT LOAD=OL)
-CLASSROOMS USE OL=20 (PER SFM USE OL=15 OVERLAY FOR UNCONCENTRATED TABLES & CHAIRS
-SHOPS & VOCATIONAL ROOM AREAS USE OL=50
-WELDING AREA INDUSTRIAL USE OL=100

CBC 1005.3.2 OTHER EGRESS COMPONENTS:
THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT AT DOORS.

CBC 1014.3 EXIT ACCESS AND COMMON PATH OF EGRESS TRAVEL:
TABLE 1014.3
1. B OCCUPANCY: 100 FEET
2. F-1 OCCUPANCY: 100 FEET

CBC 1015 EXIT AND EXIT ACCESS DOORWAYS:
TABLE 1015.1
TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE OCCUPANT LOAD EXCEEDS:
1. B OCCUPANCY: 49 OCCUPANTS
2. F-1 OCCUPANCY: 49 OCCUPANTS

CBC 1016 EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED THE VALUES
TABLE 1016.2 SHOWN IN TABLE 1016.2:
1. B OCCUPANCY: 300 FEET
2. F-1 OCCUPANCY: 250 FEET

CBC 1008.1.9.7 DELAYED EGRESS LOCKS REFER TO DELAYED EGRESS NOTES ON THIS SHEET.

LAST REVISION: 11/8/2016 5:04:09 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533
533
SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FIRE LIFE SAFETY PLAN

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET G100

C:\BIM\CLAYBANK VOCED_asalja@kitchell.com.rvt

2013 California Green Building Standard Code (CGC)
Non Residential Checklist

Feature or Measure	Yes
SITE DEVELOPMENT (5.106)	
Short-Term bicycle parking. If the project is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of visitor motorized vehicle parking capacity, with a minimum of one two-bike capacity rack per CGC 5.106.4.1. **Long-Term bicycle parking.** For buildings with over 10 tenant-occupants, provide secure bicycle parking for 5 percent of tenant-occupied motorized vehicle parking capacity, with a minimum of one space per CGC 5.106.4.2.	☐ ☐
Designated parking. Provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2.	■
Light pollution reduction. Comply with lighting power requirements in the *California Energy Code* and in compliance with CGC 5.106.8.	■
WATER EFFICIENCY AND CONSERVATION	
INDOOR WATER USE (CGC 5.303)	
Meters. Separate meters shall be installed for the uses described in Sections 503.1.1 through 503.1.2. **Buildings in excess of 50,000 square feet.** Separate submeters shall be installed as follows: 1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day. 2. For spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory or beauty salon or barber shop projected to consume more than 100 gal/day. **Excess consumption.** Any building within a project or space within a building that is projected to consume more than 1,000 gal/day.	☐ ☐ ☐
20 percent savings. A schedule of plumbing fixtures and fixture fittings that will reduce the overall use of potable water within the building by 20 percent shall be provided per CGC 5.303.2. (Calculate savings by Water Use Worksheets) **Multiple showerheads serving one shower.** When single shower fixtures are served by more than one showerhead, the combined flow rate of all the showerheads shall not exceed the maximum flow rates specified in the 20 percent reduction column contained in Table 5.303.2.3 or the shower shall be designed to only allow one showerhead to be in operation at a time (CGC 5.303.2.1).	■ ☐
Wastewater reduction. Each building shall reduce the generation of wastewater by one of the methods per CGC 5.303.4:	☐
Plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the requirements listed for each type in Items listed in Table 5.303.6: 1. Water closets (toilets) – flushometer valve type single or dual flush, maximum flush volume 2. Water closets (toilets) – tank type 3. Urinals, maximum flush volume 4. Urinals, non-water urinals 5. Public lavatory faucets : Maximum flow rate-0.5 gpm 6. Public metering self-closing faucets : Maximum flow rate-0.25 gallon per cycle 7. Residential bathroom lavatory sink faucets: Maximum flow rate-1.5 gpm	■ ☐ ■ ☐ ■ ☐ ☐

OUTDOOR WATER USE (CGC 5.304)	
Water budget. A water budget shall be developed for landscape irrigation use per CGC 5.304.1.	☐
Outdoor potable water use. For new water service, separate meters or submeters shall be installed for indoor and outdoor potable water use for landscaped areas between 1,000 square feet and 5,000 square feet per CGC 5.304.2.	☐
Irrigation design. In new nonresidential projects with between 1,000 and 2,500 square feet of landscaped area (the level at which the MLO applies), install irrigation controllers and sensors which include the following criteria and meet manufacturer's recommendations CGC 5.304.3. **Irrigation controllers.** Automatic irrigation system controllers installed at the time of final inspection shall comply with CGC 5.304.3.1	☐ ☐
WEATHER RESISTANCE AND MOISTURE MANAGEMENT (CGC 5.407)	
Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by *California Building Code* Section 1403.2 and *California Energy Code* Section 150, manufacturer's installation instructions or local ordinance, whichever is more stringent.	☐
Moisture control. Employ moisture control measures by the following methods; **Sprinklers.** Prevent irrigation spray on structures per CGC 5.407.2.1. **Entries and openings.** Design exterior entries and openings to prevent water intrusion into buildings per CGC 5.407.2.2.	☐ ☐ ☐
CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING (CGC 5.408)	
Construction waste diversion. Comply with SOLANO COUNTY Construction and Demolition Debris Recycling Program	■
Verification of compliance. A copy of the completed waste management report shall be provided.	■
BUILDING MAINTENANCE AND OPERATION (CGC 5.410)	
Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of nonhazardous materials for recycling per CGC 5.410.1	☐
Commissioning. For new buildings 10,000 square feet and over, building commissioning for all building systems covered by T24, Part 6, process systems and renewable energy systems shall be included in the design and construction processes of the building project. Commissioning requirements shall include items listed in Section 5.410.2. **Commissioning report.** A complete report of commissioning process activities undertaken through the design, construction and reporting recommendations for post-construction phases of the building project shall be completed and provided to the owner or representative.	■ ■
Testing and adjusting. Testing and adjusting of systems shall be required for buildings less than 10,000 square feet per CGC 5.410.4. **Operation and maintenance manual.** Provide the building owner with detailed operating and maintenance instructions and copies of guaranties/warranties for each system prior to final inspection per CBC 5.410.4.5. **Inspections and reports.** Include a copy of all inspection verifications and reports required by the enforcing agency.	☐ ■ ■
ENVIRONMENTAL QUALITY	
GAS FIREPLACES (CGC 5.503)	
Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace or a sealed woodstove and refer to residential requirements in the *California Energy Code*, Title 24, Part 6, Subchapter 7, Section 150. **Woodstoves.** Woodstoves shall comply with US EPA Phase II emission limits.	☐

POLUTANT CONTROL (CGC 5.504)	
Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation or during storage on the construction site and until final startup of the heating and cooling equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust or debris which may collect in the system per CGC 5.504.3.	■
Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4. **Adhesives, sealants, caulks.** Adhesives and sealants used on the project shall meet the requirements of the standards listed in CGC 5.504.4.1.	■ ■
Paints and coatings. Architectural paints and coatings shall comply with Table 5.504.4.3 unless more stringent local limits apply. **Verification.** Verification of compliance with this section shall be provided at the request of the enforcing agency.	■ ■
Carpet systems. All carpet installed in the building interior shall meet the testing and product requirements of one of the standards listed in Section 5.504.4.4.	■
Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in Table 5.504.4.5	■

Resilient flooring systems. Comply with the VOC-emission limits defined in the 2009 CHPS criteria and listed on its Low-emitting Materials List (or Product Registry) or certified under the FloorScore program of the Resilient Floor Covering Institute. **Verification of compliance.** Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.	■ ■
Hazardous particulates and chemical pollutants. Minimize and control pollutant entry into buildings and cross-contamination of regularly occupied areas. **Filters.** In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a MERV of 8.	■ ■

Responsible Designer's Declaration Statement	**Contractor Declaration Statement**
I hereby certify that this project has been designed to meet the requirements of the 2013 California Green Building Standards Code.	I hereby certify, as the builder or installer under permit listed herein, that this project will be constructed to meet the requirements of the California Green Building Standards Code.
Name: GORDON ROGERS	Name:
Signature:	Signature:
Date: 11/9/2016	Date:
Company: KITCHELL CEM	License:
Address: 2750 GATEWAY OAKS DRIVE, SUITE 300 SACRAMENTO, CA 95833	Address:

LAST REVISION: 2/19/2017 9:48:51 AM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CAL GREEN CHECK LIST

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

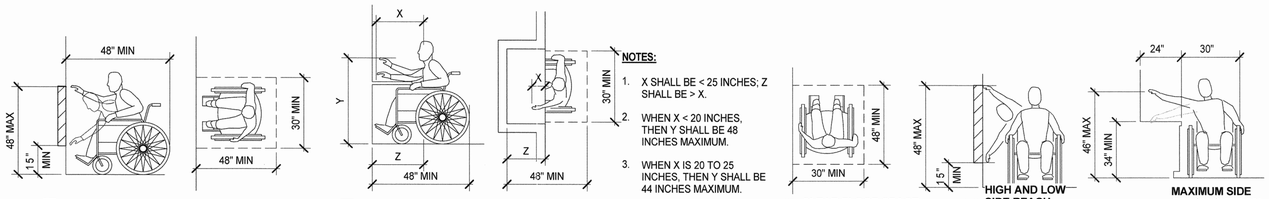
REVISIONS

No.	Description	Date
3	ADDENDUM #3	2/21/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET **G101**

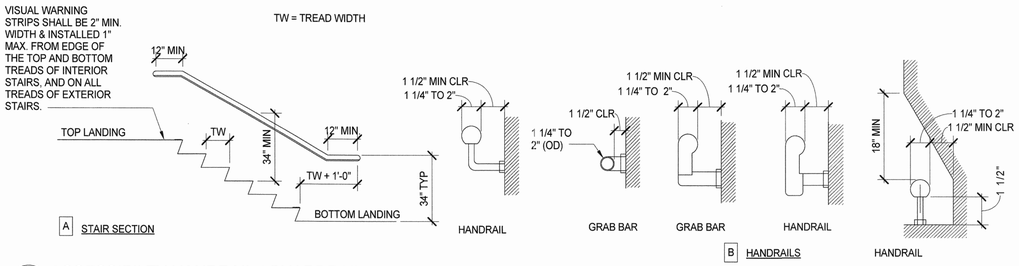
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Addendum 3



A **HIGH FORWARD REACH LIMIT** B **MAXIMUM FORWARD REACH OVER AN OBSTRUCTION** C **CLEAR FLOOR SPACE PARALLEL APPROACH** D **HIGH AND LOW SIDE REACH LIMITS** E **MAXIMUM SIDE REACH OVER AN OBSTRUCTION**

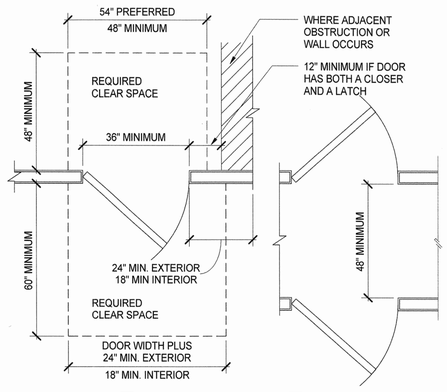
6 ACCESSIBILTY REACH REQUIREMENTS
1/8" = 1'-0"



A STAIR SECTION — HANDRAIL — GRAB BAR — GRAB BAR — HANDRAIL — HANDRAIL

B HANDRAILS

7 ACCESSIBILTY HANDRAIL / GUARDRAIL
3/32" = 1'-0"



A **PLAN** B **CORRIDOR PLAN**





INTERNATIONAL TDD SYMBOL



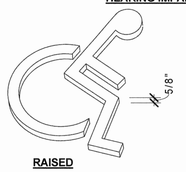
INTERNATIONAL SYMBOL OF ACCESS FOR HEARING IMPAIRED



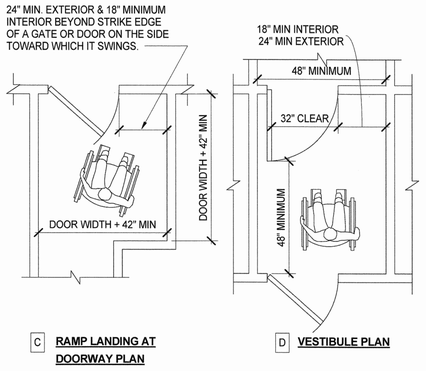
INTERNATIONAL ACCESSIBILITY SYMBOL



PROPORTIONS INTERNATIONAL SIGN OF ACCESSIBILITY



RAISED



C **RAMP LANDING AT DOORWAY PLAN** D **VESTIBULE PLAN**

NOTES:

1. CLEAR SPACES MUST BE LEVEL TO PREVENT WHEELCHAIRS FROM ROLLING WHEN THE OCCUPANT RELEASES THE WHEEL GRIPS TO REACH FOR THE DOOR. 1/4" PER FOOT IS ALLOWED FOR DRAINAGE.
2. WHERE DOORS OPEN ONTO, BUT NOT INTO A CORRIDOR, THE REQUIRED LEVEL AREA BEYOND THE DOORS MAY BE A MINIMUM OF 48". FOR ADDITIONAL INFORMATION, SEE APPLICABLE NOTES ON TYPICAL ACCESSIBILITY NOTES SHEET.

LETTERS AND NUMBERS:

1. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.
2. RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH.
3. PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT.
4. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.
5. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
6. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 1121B, THE MINIMUM CHARACTER HEIGHT SHALL BE 3".
7. CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE REGULATIONS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.

SIGN LOCATIONS:

1. SEE A241 AND A242 FOR ALL SIGN LOCATIONS.

INTERNATIONAL SYMBOL OF ACCESSIBILITY:

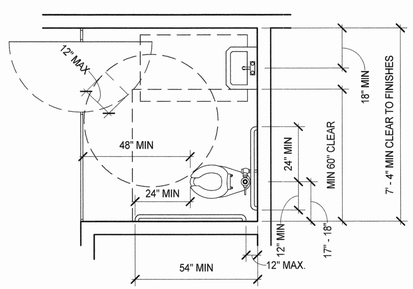
1. STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.
2. WHITE FIGURE ON BLUE BACKGROUND, COLOR # 15090 ON FEDERAL STANDARD # 595A.
3. WHEN ENFORCING AGENCY DETERMINES, IF APPROPRIATE, SPECIAL DESIGNS AND COLORS MAY BE APPROVED.

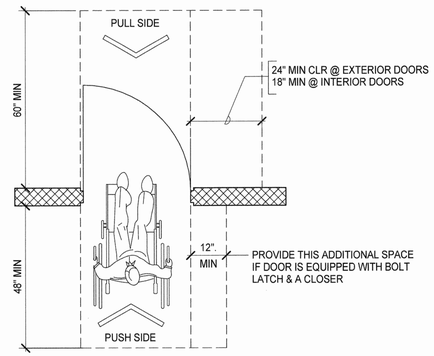
BRAILLE:

1. USE CONTRASTED GRADE 2 BRAILLE. DOTS TO BE 0.1 INCH ON CENTER IN EACH CELL.
2. 0.2 INCH SPACE BETWEEN CELLS.
3. DOTS RAISED MINIMUM 0.025 INCH ABOVE BACKGROUND.

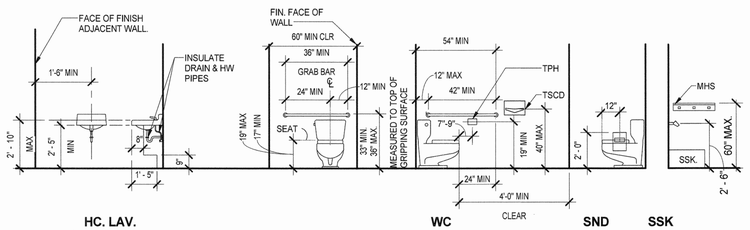
9 ACCESSIBILTY DOOR CLEARANCES
1/8" = 1'-0"

8 ACCESSIBILTY SIGNS / PICTOGRAMS
1/8" = 1'-0"





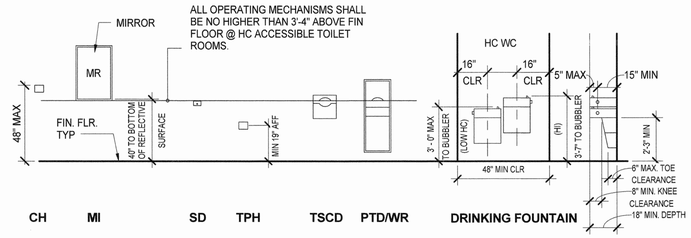
2 TOILET FLOOR CLEARANCES
3/8" = 1'-0"



HC. LAV. (VANITY SIM.) WC SND SSK

1 ACCESSIBILTY DOOR CLEARANCE
1/2" = 1'-0"

SCHEDULE OF TOILET ACCESSORIES	
NAME	DESCRIPTION
CH	COAT HOOK
DCS	DIAPER CHANGING STATION
GB	TYP SEE 1/A703 AND SECURE GB SEE 3/A703
MI	MIRROR
PTD/WR	PAPER TOWEL DISPENSER/WASTE RECEPTACLE
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
SNV	SANITARY NAPKIN VENDOR
SSK	SERVICE SINK
TPH	TOILET PAPER HOLDER
TSCD	TOILET SEAT COVER DISPENSER
WC	WATER CLOSET
MHS	MOP HOLDER WITH SHELF

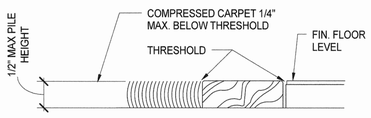


CH MI SD TPH TSCD PTD/WR DRINKING FOUNTAIN

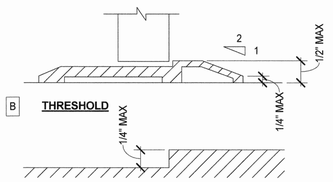
NOTES:

1. AT NON-HC. ACCESSIBLE AREAS MOUNT ACCESSORIES ABOVE OR BELOW WAINSCOT.
2. AT HC. TOILET PARTITIONS DOOR WIDTH SHALL BE 34" MIN. & DOOR SHALL BE SELF CLOSING.
3. PROVIDE BACKING PLATES FOR ALL WALL HUNG ACCESSORIES
4. ALL TOILET FIXTURES AND ACCESSORIES ARE SURFACE MOUNTED, UON.
5. SEE DETAILS 1/G102 AND 2/G102 FOR ADDITIONAL FLOOR CLEARANCE.

3 TYPICAL FIXTURES AND ACCESSORIES
1/4" = 1'-0"



A **TRANSITION BETWEEN FLOOR FINISHES**



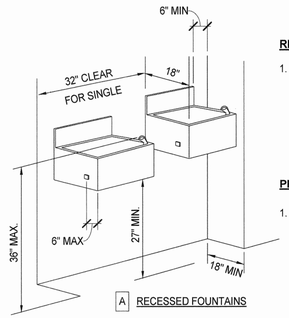
B **THRESHOLD**

C **LEVEL CHANGES**

NOTES:

1. 1/2" MAXIMUM TOTAL HEIGHT WITH 1/4" MAXIMUM VERTICAL CHANGE AT EDGE.
2. 1 : 2 SLOPED BEVEL REQUIRED IF LEVEL CHANGE IS OVER 1/4" VERTICAL LEVEL CHANGE.
3. 1/4" MAXIMUM VERTICAL LEVEL CHANGE.

5 ACCESSIBILTY THRESHOLD / LEVELING
1/8" = 1'-0"



A RECESSED FOUNTAINS

RECESSED FOUNTAINS:

1. WITHIN ALCOVES MINIMUM 63" WIDE, MINIMUM 18" DEEP WHEN DOUBLE DRINKING FOUNTAINS ARE REQUIRED AND 32" MIN. CLR. WHEN A SINGLE FOUNTAIN IS PERMITTED.
   A. CONTRACTOR SHALL COORDINATE WITH SIZE OF WATER FOUNTAIN TO BE USED AND SIZE ALCOVE ACCORDINGLY COMPLYING WITH REQUIREMENTS AND RECOMMENDATIONS AND COORDINATING WITH THE ARCHITECT

PROJECTED FOUNTAINS:

1. WARNING FOR THE VISION IMPAIRED AT A PROJECTED DRINKING FOUNTAIN CAN BE PROVIDED BY EITHER OF THE FOLLOWING MEANS:
   A. THE SURFACE OF THE FLOOR OR GROUND AT THE DRINKING FOUNTAIN CAN BE OF CONTRASTING COLOR WITH A TEXTURE THAT CONTRASTS IN RESILIENCY WITH THE ADJACENT FINISHED FLOOR MATERIAL, SO THAT IT CAN BE SENSED BY A CANE, WITH THE FRONT EDGE OF THE DRINKING FOUNTAIN AND ONE FOOT BEYOND EACH SIDE OF THE FOUNTAIN, OR
   B. INSTALL WING WALLS ON EACH SIDE OF THE DRINKING FOUNTAIN TO PROJECT OUT FROM THE MAIN WALL AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6" OF THE PATH OF TRAVEL FLOOR FINISH. THERE MUST BE 32" CLEAR BETWEEN THE WING WALLS, OR

NOTE:
ILLUSTRATIONS SHOWN HERE ARE FOR DIMENSIONAL ACCESSIBILITY PURPOSES ONLY. A SECOND DRINKING FOUNTAIN SHOULD BE PROVIDED AT A MOUNTING HEIGHT SUITABLE TO PERSONS WITH LIMITED PHYSICAL BENDING ABILITY, ADJACENT TO THE ACCESSIBLE FOUNTAIN, MAINTAINING MINIMUM CLEARANCES NOTED AND AS REQUIRED. PROVIDE TEXTURED AREA OF CONTRASTING COLOR TO IDENTIFY WATER FOUNTAIN LOCATION AS NOTED. WHEN FOUNTAIN IS AT AN INTERIOR LOCATION, THE TEXTURED AREA SHALL ALSO BE OF DIFFERENT RESILIENCY THAN THAT OF THE ADJACENT FLOOR SURFACE FINISH. SEE TYPICAL ACCESSIBILITY NOTES SHEET FOR ADDITIONAL REQUIREMENTS.

4 ACCESSIBILTY FOUNTAIN CLEARANCE
1/8" = 1'-0"

LAST REVISION: 11/8/2016 5:04:13 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 3/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ACCESSIBILITY DETAILS

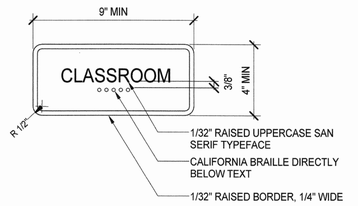
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **G102**

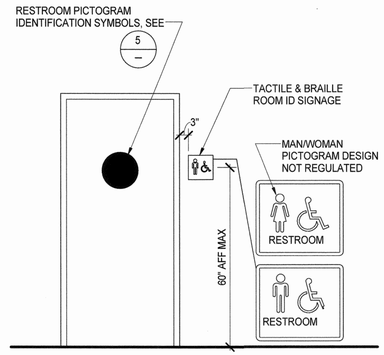
C:\BIM\CLAYBANK VOCED_asalija@kitchell.com.rvt



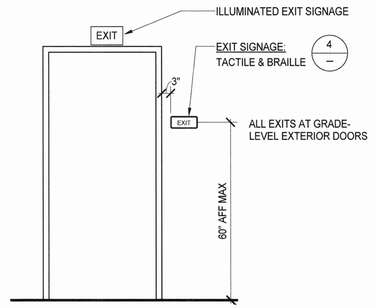
1. WHEN INSTALLING ON GLASS PROVIDE BLANK PLASTIC SIGN ON BACK TO COVER GLUE.
2. WHEN INSTALLING ON GLASS, MAKE EXIT SIGN THE SAME SIZE,IF REQUIRED. GLUE BACK TO BACK TO COVER GLUE.

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION VERIFY WITH ARCHITECT PRIOR TO FABRICATION.

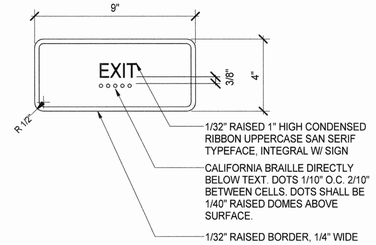
1 — ROOM IDENTIFICATION SIGN (S1)
3" = 1'-0"



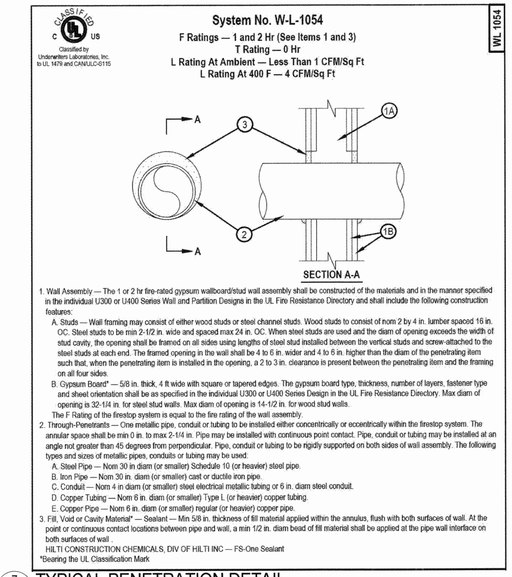
2 — RESTROOM SIGNAGE (S2)
1/2" = 1'-0"



3 — EXIT SIGNAGE (S3)
1/2" = 1'-0"



4 — INTERIOR TACTILE EXIT SIGNAGE (S3)
3" = 1'-0"



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls.
   The F Rating of the firestop system is equal to the fire rating of the wall assembly.
2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 30 in diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in diam (or smaller) steel electrical metallic tubing or 6 in. diam steel conduit.
   D. Copper Tubing — Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 6 in. diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant
   *Bearing the UL Classification Mark

7 — TYPICAL PENETRATION DETAIL
3/4" = 1'-0"

8 — ROOM SIGNAGE
1/2" = 1'-0"

Design No. W404

May 26, 2015

Non Load Bearing Wall Rating — 1 Hr.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

1. **Girts** — "Z" or "C" shaped girts, minimum 0.056 in. thick steel, minimum 8 inch deep, with minimum 2 in. wide flanges. Girts placed horizontally (with flanges up or down) and spaced maximum 90 in. o.c. Girts are secured to columns with girt clips, Item 2, or bolted to the column through the girt flange.

2. **Girt Clips** — (optional, not shown) - Steel clips secured to column by welds or bolts.

3. **Steel Wall Panels** — Minimum No. 26 MSG, minimum 1-1/8 in depth, minimum 36 in. wide coated steel panels. Vertical raised rib profiles of adjacent panels are overlapped and attached to each other with self-drilling or self-tapping screws spaced 30 in. o.c. (max.) along the lap. Metal panel attachment to steel girt using self-drilling or self-tapping screws spaced 12" o.c. (max) along girt.

3A. **Brick or Masonry Veneer** — (optional, not shown) - Brick or masonry veneer meeting the requirements of local code agencies may be installed over additional furring channels (not shown), Item 4, on exterior of wall in place of steel wall panels. Brick or masonry veneer attached to furring channels with corrugated metal wall ties attached to each furring channel with steel screws, not more than each sixth course of brick. When a minimum 3-½ in. thick brick or masonry veneer facing is used, the fire resistance rating applies from either side of the wall.

4. **Furring Channels** — Hat shaped, minimum 20 MSG galvanized steel, nominally 3 in. wide, 1-1/2 in. deep, spaced maximum 24 in. o.c. perpendicular to girts. Channels are secured to each girt with 3/8 in. (minimum) long self-drilling sheet steel type screws. Two screws are used at each fastening location, one through each leg of the furring channel.

4A. **(optional)** — In place of the furring channels, the following standard steel framing for rated gypsum board walls may be used:

Steel framing (steel studs, runners and their attachment) for support of the gypsum board wall shall be constructed of the materials and in the manner specified in UL Design No. V497.

Lateral Support Members — (not shown) — Where required for lateral support of studs, support may be provided by means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall system.

5. **Wallboard, Gypsum* — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305.** Two layers on interior face of wall of any 5/8 in. thick gypsum wallboard bearing the UL Classification Mark for Fire Resistance. Both layers applied horizontally or vertically. First layer attached to furring channels, Item 4, using 1 in. long Type S bugle head drywall screws spaced 24 in. o.c. maximum vertically and horizontally. Second layer attached to furring channels using 1-5/8 in. long Type S bugle head drywall screws spaced 12 in. o.c. maximum vertically and 24 in. o.c. maximum horizontally. The horizontal or vertical joints of the wallboard shall be offset 24 in. when 2 successive layers are applied in the same orientation Wallboard joints finished dry or premixed joint compound applied in two coats to joints and screw heads of face layer of gypsum wallboard. Paper or glass fiber tape embedded in first layer of compound over all joints.

ACADIA DRYWALL SUPPLIES LTD (View Classification) — CKNX.R25370

AMERICAN GYPSUM CO (View Classification) — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) — CKNX.R19374

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R3660

CGC INC (View Classification) — CKNX.R19751

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R2717

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C (View Classification) — CKNX.R18482

LOADMASTER SYSTEMS INC (View Classification) — CKNX.R11809

NATIONAL GYPSUM CO (View Classification) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM (View Classification) — CKNX.R7094

PANEL REY S A (View Classification) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) — CKNX.R19262

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R6937

THAI GYPSUM PRODUCTS PCL (View Classification) — CKNX.R27517

UNITED STATES GYPSUM CO (View Classification) — CKNX.R1319

USG MEXICO S A DE C V (View Classification) — CKNX.R16089

6. **Column Protection** — (not shown) - Horizontal wall girts, Item 1, are attached to vertical structural steel columns. See Column Design No. X524 or X530 if protected columns are required.

7. **Batts and Blankets*** — Min. 3.5 in thick (R-10) glass fiber blankets placed in the cavities of exterior walls, and attached to the girts. As an alternate, 1" min. Rigid Foam Board, Item 8, shall be permitted, in addition to the glass fiber blankets.

See **Batts and Blankets** (BZJZ) categories for names of manufacturers.

8. **Rigid Foam Board*** — (optional) - Min. 1 in. thick rigid foam board (Thermax). Applied horizontally or vertically within the wall cavity (between steel wall panels and/or gypsum wallboard) , on exterior face only or on interior face only or on both faces. First layer attached to furring channels, Item 4, or to girt, Item 1.

The following fastener diameter, length and spacing is required for each thickness when Thermax is attached on the metal panel side (see optional details A & C):

Thermax Thickness:	Fastener Diameter and Spacing Required:
1"	Min. 2-in. long, #12-14 self-drilling or self-tapping screws spaced 12" o.c. along girt
2"	Min. 3-in. long, #12-14 self-drilling or self-tapping screws spaced 12" o.c. along girt
3"	Min. 4-in. long, #1/4-14 self-drilling or self-tapping screws spaced 12" o.c. along girt
4"	5" long, #1/4-14 self-drilling or self-tapping screws spaced 12" o.c. along girt

The following fastener diameter, length and spacing is required for each thickness when Thermax is applied under furring channels on the interior side (see optional details B & C):

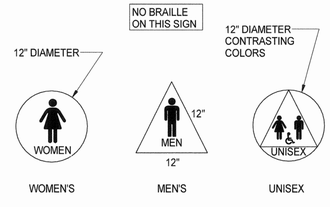
Thermax Thickness:	Fastener Diameter and Spacing Required:
1"	Min. 2-in. long, #12-14 self-drilling or self-tapping screws, (2) at each girt location through the furring channel legs
2"	Min. 3-in. long, #12-14 self-drilling or self-tapping screws, (2) at each girt location through the furring channel legs
3"	Min 4-in. long, #1/4-14 self-drilling or self-tapping screws, (2) at each girt location through the furring channel legs
4"	Min. 5-in. long, #1/4-14 self-drilling or self-tapping screws, (2) at each girt location through the furring channel leg

See Optional Details A, B and C for allowable configurations.

THE DOW CHEMICAL CO — Type Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel and Thermax Heavy Duty Plus (HDP)

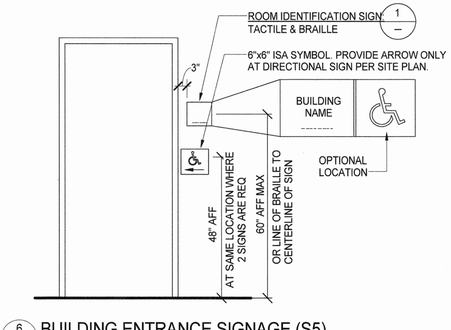
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

9 — UL W404 DETAIL
3/4" = 1'-0"



SEE FLOOR PLAN FOR RESTROOM DESIGNATION

5 — RESTROOM IDENTIFICATION SYMBOLS (S4)
NTS



6 — BUILDING ENTRANCE SIGNAGE (S5)
1/2" = 1'-0"

SIGNAGE NOTES:

1. EXIT SIGNS: SHALL COMPLY WITH CBC SECTION 1011
   A. EXIT AND ACCESS DOORS SHALL BE MARKED WITH AN APPROVED EXIT SIGN VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL.
   B. ACCESS TO EXITS SHALL BE MARKED BY VISIBLE EXIT SIGNS.
   C. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.
   D. TACTILE EXIT SIGNS SHALL BE LOCATED AT EACH GRADE LEVEL EXTERIOR EXIT DOOR.
   E. TACTILE SIGNS "TO EXIT" OR "EXIT ROUTE" SHALL BE LOCATED AT EACH EXIT DOOR.
   F. EXIT SIGNS SHALL HAVE LETTERS 6" HIGH, 3/4" STROKE, 2" WIDE EXCEPT FOR "I".
2. ALL SIGNAGE SHALL COMPLY WITH CBC SECTION 1117B.5 INCLUDING:
   IDENTIFICATION SIGNAGE (ROOM OR BUILDING SIGNAGE)
   DIRECTIONAL SIGNAGE
   ACCESSIBILITY SIGNS
   A. SHALL HAVE NO GLARE FINISH.
   B. SHALL BE HIGH CONTRAST - 70% PER ADAAG A4.30.5.
   C. CHARACTERS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.
   D. MINIMUM CHARACTER HEIGHT 3".
   E. RAISED CHARACTERS AND PICTORIAL SYMBOLS:
      1) CHARACTERS SHALL BE RAISED 1/32", SANS SERIF ACCOMPANIED BY GRADE 2 BRAILLE PER SECTION 11B-703.
      2) RAISED CHARACTERS SHALL BE 5/8" TO 2" HIGH.
      3) PICTOGRAMS SHALL BE ACCOMPANIED BY VERBAL DESCRIPTION DIRECTLY BELOW THE PICTOGRAM.
      4) MINIMUM PICTOGRAM SIZE 6"x6".
      5) CHARACTERS SHALL HAVE HORIZONTAL FORMAT.
      6) BRAILLE SHALL BE PLACED 3/8" TO 1/2" BELOW TACTILE.
   F. BRAILLE SHALL BE CALIFORNIA GRADE 2 WITH DOTS 1/10" WITH 2/10" BETWEEN CELLS. DOTS SHALL BE ROUNDED OR DOMED.
3. SYMBOLS OF ACCESSIBILITY SHALL BE PER CBC FIGURE 11B-6
   A. SHALL BE A WHITE FIGURE ON A BLUE BACKGROUND, COLOR NO. 15090 FEDERAL STANDARD 595B.
   B. BUILDING ENTRANCES SHALL BE IDENTIFIED WITH ISA SYMBOL PER PLANS.

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
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(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by:

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
SIGNAGE AND FIRE PROTECTION

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET G103

C:\BIM\CLAYBANK VOCED_asalijs@kitchell.com.rvt

LAST REVISION: 11/8/2016 5:04:16 PM

LOCAL FIRE AUTHORITY REVIEW

STATE OF CALIFORNIA – NATIONAL RESOURCES AGENCY — Edmund G. Brown Jr., Governor

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
Fire and Life Safety Division
P.O. Box 944246
SACRAMENTO, CA 94244-2460
(916) 445-8550
Website: www.fire.ca.gov

LOCAL FIRE AUTHORITY – ACCESS APPROVAL

Project: SOLANO COUNTY SB 1022 CLASSROOM & VOCATIONAL EDUCATION

Address: 2500 CLAYBANK ROAD

CSFM File Number: 40-48-44-1081 (Only if applicable) DGS Project #: (Only if applicable)

Pursuant to Title 19, California Code of Regulations, Article 3, Section 3.05, Fire Department Access and Egress, it is necessary to provide the California State Fire Marshal with written certification from the local fire authority that the above section is being met to their satisfaction.

Please return this form with all sections filled in completely. Without this form, California State Fire Marshal approval may be delayed. If you have any questions, please contact the California State Fire Marshal Plan Review Unit at (916) 445-8550.

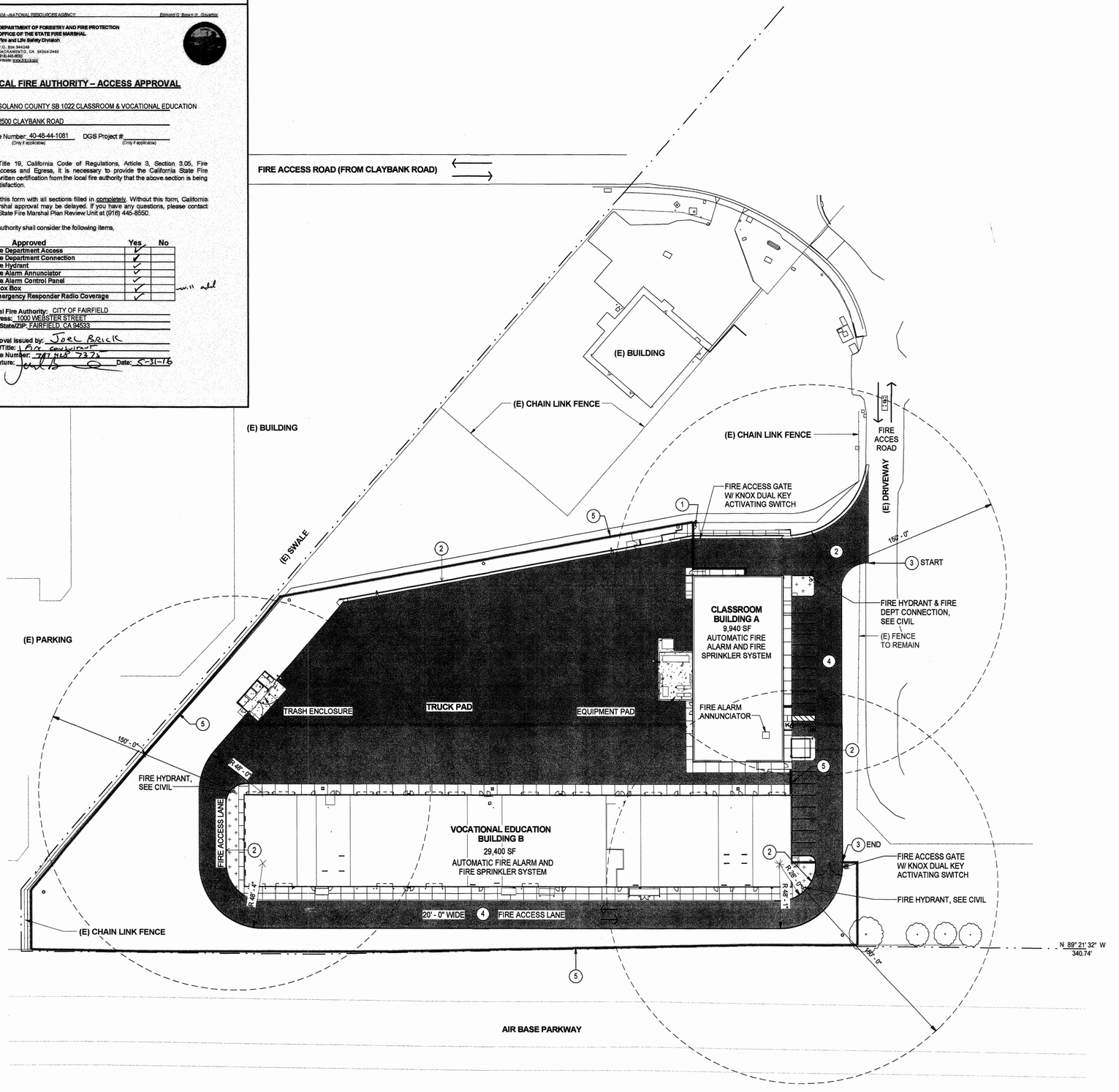
The local fire authority shall consider the following items,

Approved	Yes	No
Fire Department Access	✓	
Fire Department Connection	✓	
Fire Hydrant	✓	
Fire Alarm Annunciator	✓	
Fire Alarm Control Panel	✓	
Knox Box	✓	
Emergency Responder Radio Coverage	✓	

w.11 add

Local Fire Authority: CITY OF FAIRFIELD
Address: 1000 WEBSTER STREET
City/State/ZIP: FAIRFIELD, CA 94533

Approval issued by: Joel Brick
Rank/Title: Fire Engineer
Phone Number: 707 428 7372
Signature: [signature] Date: 5-31-16



1 FIRE ACCESS SITE PLAN
1" = 40'-0"

PROJECT DESCRIPTION:

1. BLDG A - 10,000 GSF
   CONSTRUCTION TYPE IIA
   AUTOMATIC FIRE SPRINKLER SYSTEM
   PER TABLE B105.1 REQUIRED FIRE HYDRANT FLOW OF 1,500 GPM MEASURED AT 20 PSI RESIDUAL PRESSURE. FLOW DURATION OF 2 HRS. PER CFC B105-2 50% REDUCTION OF FIRE FLOW BLDG'S WITH AUTOMATIC SPRINKLER SYS = 1125 GPM. PROVIDE MIN. ALLOWANCE OF 1,500 GPM.
   PER TABLE C105.1 MINIMUM NUMBER OF FIRE HYDRANTS IS 2, WITH AVERAGE SPACING OF 450 FEET.
2. BLDG B - 30,000 GSF (PLUS MEZZANINE = 36,680 SF)
   CONSTRUCTION TYPE IIB
   AUTOMATIC FIRE SPRINKLER SYSTEM
   PER TABLE B105.1 REQUIRED FIRE HYDRANT FLOW OF 4,000 GPM MEASURED AT 20 PSI RESIDUAL PRESSURE. FLOW DURATION OF 4 HRS. PER CFC B105-2 50% REDUCTION OF FIRE FLOW FOR BLDG'S WITH AUTOMATIC SPRINKLER SYS = 2,000 GPM. PROVIDE MIN. ALLOWANCE OF 2,000 GPM.
   PER TABLE C105.1 MINIMUM NUMBER OF FIRE HYDRANTS IS 3, WITH AVERAGE SPACING OF 450 FEET.

KEYNOTES:

1. 3'-0" GATE
2. PROVIDE RED CURB PAINT WITH 3" LETTERING WHITE COLOR TEXT "NO PARKING-FIRE LANE" EVERY 30 FEET.
3. PROVIDE 6" WIDE RED FIRE LANE PAINT MARKING WITH 3" WHITE COLOR LETTERING "NO PARKING-FIRE LANE" EVERY 30 FEET.
4. SEE CIVIL FOR FIRE LANE AC PAVING.
5. (N) 10' HIGH CHAIN LINK FENCE W/ RAZOR WIRE.

LEGEND:

- CONCRETE SIDEWALK, SEE CIVIL
- ASPHALT PAVING, SEE CIVIL
- DIRECTION OF VEHICLE TRAVEL
- FIRE HYDRANT
- CHAIN LINK FENCE W/ GATE
- EXISTING BUILDING
- NEW BUILDING W/ SPRINKLER PER NFPA 13.

KITCHELL
Capital Expenditure Managers
2750 Gateway Oaks Drive
Suite 300
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: CRON

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FIRE ACCESS SITE PLAN

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO.	SHEET
4907A3	G105
DATE 11/9/2016	

C:\Users\ringanga\Documents\CLAYBANK VOCED_ringanga.rvt

LAST REVISION: 5/27/2016 4:10:26 PM

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 1 of 27
Project Address:	2500 Claybank Road Fairfield 94533	Calculation Date/Time:	12:41, Thu, Jul 07, 2016
Compliance Scope:	NewComplete	Input File Name:	Claybank Bldg-A T24.xml

A. PROJECT GENERAL INFORMATION

1.	Project Location (city)	Fairfield	7.	# of dwelling units	0
2.	CA Zip Code	94533	8.	Standards Version	Compliance2015
3.	Climate Zone	12	9.	Compliance Software (version)	EnergyPro 6.7
4.	Total Conditioned Floor Area	8,928 ft²	10.	Building Orientation (deg)	(E) 90 deg
5.	Total Unconditioned Floor Area	0 ft²	11.	Permitted Scope of Work	NewComplete
6.	# of Stories (Habitable Above Grade)	1	12	Building Type(s)	Nonresidential

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft ²-yr) **§ 160.1**

BUILDING COMPLIES

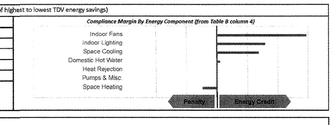
1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	3.8	11.8	-8.2	-227.8%
Space Cooling	100.6	76.2	24.4	24.3%
Indoor Fans	109.0	56.1	52.9	48.5%
Heat Rejection	–	–	–	–
Pumps & Misc.	–	–	–	–
Domestic Hot Water	13.9	12.4	1.5	10.8%
Indoor Lighting	50.9	22.5	28.4	55.8%
COMPLIANCE TOTAL	278.0	179.0	99.0	35.6%
Receptacle	65.0	65.0	0.0	0.0%
Process	110.5	110.5	0.0	0.0%
Process Ltg	–	–	–	–
TOTAL	453.5	354.5	99.0	21.8%

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 2 of 27
Project Address:	2500 Claybank Road Fairfield 94533	Calculation Date/Time:	12:41, Thu, Jul 07, 2016
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C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (In order of highest to lowest TDV energy savings)

1st	Indoor Fans: Check envelope and mechanical
2nd	Indoor Lighting: Check lighting
3rd	Space Cooling: Check envelope and mechanical
4th	Domestic Hot Water: Check mechanical
5th	Heat Rejection: Check envelope and mechanical
6th	Pumps & Misc.: Check mechanical
7th	Space Heating: Check envelope and mechanical

Compliance Margin By Energy Component (from Table 8 column 4)



D. EXCEPTIONAL CONDITIONS

The aged solar reflectance and aged thermal emittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is used, the initial reflectance must be listed, and the aged reflectance is calculated by the software program and used in the compliance model.

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

None Provided

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 3 of 27
Project Address:	2500 Claybank Road Fairfield 94533	Calculation Date/Time:	12:41, Thu, Jul 07, 2016
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G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

Identify which building components use the performance or prescriptive path for compliance. "NA" = not in project
For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans.

Building Component		Compliance Path	Compliance Forms *(required for submittal)*	Location of Mandatory Notes on Plans
Envelope	☒	Performance	NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E	
	☐	NA		
Mechanical	☒	Performance	NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E	
	☐	NA		
Domestic Hot Water	☒	Performance	NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PLB-01-E	
	☐	NA		
Lighting (Indoor Conditioned)	☒	Performance	NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	
	☐	NA		
Covered Process: Commercial Kitchens	☐	Performance	S2 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-02/ 03-E	
	☒	NA		
Covered Process: Computer Rooms	☐	Performance	S3 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 04-E	
	☒	NA		
Covered Process: Laboratory Exhaust	☐	Performance	S4 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-03/ 09-E	
	☒	NA		

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 4 of 27
Project Address:	2500 Claybank Road Fairfield 94533	Calculation Date/Time:	12:41, Thu, Jul 07, 2016
Compliance Scope:	NewComplete	Input File Name:	Claybank Bldg-A T24.xml

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project. *The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project.*

Yes	NA	Prescriptive Requirement	Compliance Forms	Yes	NA	Mandatory Requirement	Compliance Forms
☐	☒	Lighting (Indoor Unconditioned) §140.6	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	☐	☒	Commissioning: §120.8 Simple Systems Complex Systems	NRCC-CXR-01 / 02 / 03 / 05-E NRCC-CXR-01 / 02 / 04 / 05-E
☐	☒	Lighting (Outdoor) §140.7	NRCC-LTI-01 / 02 / 03-E	☐	☒	Electrical: §110.3	NRCC-ELC-01-E
☐	☒	Lighting (Sign) §140.8	NRCC-LTI-01-E	☐	☒	Solar Ready: §110.10	NRCC-SRA-01 / 02-E
☐	☒	Solar Thermal Water Heating: §140.5	NRCC-STH-01-E	☐ ☐ ☐ ☐ ☐ ☐	☒ ☒ ☒ ☒ ☒ ☒	Covered Process: §120.6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers	NRCC-PRC-01-E NRCC-PRC-02-E NRCC-PRC-05-E NRCC-PRC-06/07/08-E NRCC-PRC-10-E NRCC-PRC-11-E

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to Indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G, and H, in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed Pass	Confirmed Fail
Envelope	☒ NRCI-ENV-01-E – For all buildings	☐	☐
	☐ NRCA-ENV-02-F- NFRC label verification for fenestration	☐	☐
Mechanical	☒ NRCI-MCH-01-E - For all buildings with Mechanical Systems	☐	☐
	☒ NRCA-MCH-02-A- Outdoor Air	☐	☐
	☒ NRCA-MCH-03-A – Constant Volume Single Zone HVAC	☐	☐
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage	☐	☐
	☒ NRCA-MCH-05-A- Air Economizer Controls	☐	☐
	☒ NRCA-MCH-06-A- Demand Control Ventilation	☐	☐
	☐ NRCA-MCH-07-A – Supply Fan Variable Flow Controls	☐	☐
	☐ NRCA-MCH-08-A- Valve Leakage Test	☐	☐
	☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls	☐	☐
	☐ NRCA-MCH-11-A – Auto Demand Shed Controls	☐	☐
	☐ NRCA-MCH-12-A- Packaged Direct Expansion Units	☐	☐
	☐ NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units	☐	☐
	☐ NRCA-MCH-14-A- Distributed Energy Storage	☐	☐
	☐ NRCA-MCH-15-A – Thermal Energy Storage	☐	☐
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls	☐	☐
	☐ NRCA-MCH-17-A – Condensate Water Temp Reset Controls	☐	☐
	☐ NRCI-MCH-18-A- Energy Management Controls Systems	☐	☐
	☐ NRCVMCH-04-H- Duct Leakage Test	☐	☐

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to Indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G, and H, in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed Pass	Confirmed Fail
Plumbing	☒ NRCI-PLB-01-E - For all buildings with Plumbing Systems	☐	☐
	☐ NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-23-H- HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-STH-01-E - Any solar water heating	☐	☐
Indoor Lighting	☒ NRCI-LTI-01-E - For all buildings	☐	☐
	☐ NRCI-LTI-02-E – Lighting control system, or for an Energy Management Control System (EMCS)	☐	☐
	☐ NRCI-LTI-03-E – Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting	☐	☐
	☐ NRCI-LTI-04-E – Two interlocked systems serving an auditorium, a convention centre, a conference room, or a theater	☐	☐
	☐ NRCI-LTI-05-E – Lighting Control Credit Power Adjustment Factor (PAF)	☐	☐
	☐ NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio	☐	☐
	☐ NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls.	☐	☐
	☐ NRCA-LTI-03-A - Automatic daylighting controls	☐	☐
	☐ NRCA-LTI-04-A - Demand responsive lighting controls	☐	☐
Outdoor Lighting	☐ NRCI-LTI-01-E – Outdoor Lighting	☐	☐
	☐ NRCI-LTD-02-E- EMCS Lighting Control System	☐	☐
	☐ NRCA-LTD-02-A - Outdoor Lighting Control	☐	☐
Sign Lighting	☐ NRCI-LTS-01-E – Sign Lighting	☐	☐
Electrical	☐ NRCI-ELC-01-E - Electrical Power Distribution	☐	☐
Photovoltaic	☐ NRCI-SPV-01-E Photovoltaic Systems	☐	☐

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to Indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G, and H, in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed Pass	Confirmed Fail
Covered Process	☐ NRCI-PRC-01-E Refrigerated Warehouse	☐	☐
	☐ NRCA-PRC-01-F- Compressed Air Systems	☐	☐
	☐ NRCA-PRC-02-F- Kitchen Exhaust	☐	☐
	☐ NRCA-PRC-03-F- Garage Exhaust	☐	☐
	☐ NRCA-PRC-04-F- Refrigerated Warehouse- Evaporator Fan Motor Controls	☐	☐
	☐ NRCA-PRC-05-F- Refrigerated Warehouse- Evaporative Condenser Controls	☐	☐
	☐ NRCA- PRC-06-F- Refrigerated Warehouse- Air Cooled Condenser Controls	☐	☐
	☐ NRCA-PRC-07F- Refrigerated Warehouse- Variable Speed Compressor	☐	☐
	☐ NRCA-PRC-08-F- Electrical Resistance Underslab Heating System	☐	☐

I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)

						Confirmed Pass	Confirmed Fail
1.	Total Conditioned Floor Area	8,928 ft²	5.	Number of Floors Above Grade	1		
2.	Total Unconditioned Floor Area	0 ft²	6.	Number of Floors Below Grade	0		
3.	Addition Conditioned Floor Area	0 ft²					
4.	Addition Unconditioned Floor Area	0 ft²					

7. Opaque Surfaces & Orientation	8. Total Gross Surface Area	9. Total Fenestration Area	10. Window to Wall Ratio	Pass	Fail
North Wall	260 ft²	42 ft²	16.2%	☐	☐
East Wall	726 ft²	64 ft²	08.8%	☐	☐
South Wall	2,370 ft²	410 ft²	16.0%	☐	☐
West Wall	996 ft²	48 ft²	04.8%	☐	☐
Total	4,552 ft²	564 ft²	12.4%	☐	☐
Roof	8,902 ft²	0 ft²	00.0%	☐	☐

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 8 of 27
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J. FENESTRATION ASSEMBLY SUMMARY **§ 110.6** **Confirmed**

1. Fenestration Assembly Name / Tag or I.D.	2. Fenestration Type	3. Certification Method[1]	4. Assembly Method	5. Area ft²	6. Overall U-factor	7. Overall SHGC	8. Overall VT	9. Exterior Shading	Pass	Fail
20Ft+/50Ft+ S16 IsoPort Window - low-e	VerticalFenestration	NFRCRated	Manufactured	193	0.40	0.25	0.50	N	☐	☐
50Ft+ S16 IsoPort Window - low-e	VerticalFenestration	NFRCRated	Manufactured	292	0.38	0.25	0.50	N	☐	☐
20Ft+ S16 IsoPort Window - low-e	VerticalFenestration	NFRCRated	Manufactured	80	0.45	0.25	0.50	N	☐	☐

[1] Entry installed fenestration shall have a certified NFRC Label Certificate or use the CEC default values found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass only, determined by the manufacturer, and are shown for time of an fixation. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.
[2] Entry is: A – New, A – Altered, E – Existing

Taking compliance credit for fenestration shading devices? (If "Yes", see NRCC-PRF-ENV-DETAILS for more information)

K. OPAQUE SURFACE ASSEMBLY SUMMARY **§ 110.7, § 140.3** **Confirmed**

1. Surface Name	2. Surface Type	3. Area (ft²)	4. Framing Type	5. Cavity R-Value	6. Continuous R-Value	7. U-Factor / F-Factor / C-Factor	8. Exterior Shading	Pass	Fail
4-30 Metal Roof (Update)10	Roof	8902	NA	30	NA	U-Factor: 0.051	N	☐	☐
R-19 Wall with HPCI Barr12	ExteriorWall	4142	Metal	19	NA	U-Factor: 0.180	N	☐	☐
Slab On Grade16	UndergroundFloor	8902	NA	0	NA	F-Factor: 0.730	N	☐	☐
R-13 Metal Wall19	InteriorWall	5458	NA	0	NA	U-Factor: 0.345	N	☐	☐
R-19 Wall36	ExteriorWall	240	Metal	19	NA	U-Factor: 0.163	N	☐	☐
CMU Wall149	ExteriorWall	170	NA	0	NA	U-Factor: 0.326	N	☐	☐

[1] Status: N - New, A – Altered, E – Existing

L. ROOFING PRODUCT SUMMARY **§ 140.3** **Confirmed**

1. Product Type	2. Product ≥25 Yr Rf?	3. Aged Solar Reflectance	4. Thermal Emittance	5. SRI	6. Cool Roof Credit	7. CRRC Product ID Number	Pass	Fail
R-30 Metal Roof (Update)10	No	0.20	0.75	Not Provided	Yes	CRRC Prod. ID: R-30 Metal Roof (Update)	☐	☐

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 9 of 27
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M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) **§ 110.1 / § 110.2**

Dry System Equipment [1] (Fan & Economizer info included below in Table N) — Confirmed

1. Equip Name	2. Equip Type	3. System Type (Simple [2] or Complex [3])	4. Qty	5. Total Heating Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtu/h)	8. Total Cooling Output (kBtu/h)	9. Efficiency: Cooling	9. Efficiency: Heating	10. Acceptance Testing Required? (Y/N) [4]	11. Exempt	Pass	Fail
FC5-A13	SZHP (SplitPhase)	Simple	1	34	No	0	30	SEER-14.0	HSPF-8.3	Yes	N	☐	☐
FC5-A221	SZHP (SplitPhase)	Simple	1	34	No	0	30	SEER-14.0	HSPF-8.3	Yes	N	☐	☐
FC5-A331	SZHP (SplitPhase)	Simple	1	34	No	0	30	SEER-14.0	HSPF-8.3	Yes	N	☐	☐
FC5-A442	SZHP (SplitPhase)	Simple	1	34	No	0	30	SEER-14.0	HSPF-8.3	Yes	N	☐	☐
FC3-A556	SZHP (SplitPhase)	Simple	1	54	Yes	1	48	SEER-14.0	HSPF-8.2	Yes	N	☐	☐
FC3-A668	SZHP (SplitPhase)	Simple	1	54	Yes	1	48	SEER-14.0	HSPF-8.2	Yes	N	☐	☐
FC3-A776	SZHP (SplitPhase)	Simple	1	54	Yes	1	48	SEER-14.0	HSPF-8.2	Yes	N	☐	☐
FC2-A884	SZHP (SplitPhase)	Simple	1	54	Yes	1	48	SEER-14.0	HSPF-8.2	Yes	N	☐	☐
FC2-A885	Exhaust (PackagedSPhase)	Simple	1	0	No	0	0	NA	NA	No	N	☐	☐
FC2-A9153	SZHP (SplitPhase)	Simple	1	54	Yes	1	48	SEER-14.0	HSPF-8.2	Yes	N	☐	☐
FC2-A9154	Exhaust (PackagedSPhase)	Simple	2	0	No	0	0	NA	NA	No	N	☐	☐
FC9-A1201	SZHP (SplitPhase)	Simple	1	27	No	0	18	SEER-14.0	HSPF-8.2	Yes	N	☐	☐
FC9-A12208	SZHP (SplitPhase)	Simple	1	27	No	0	18	SEER-14.0	HSPF-8.2	Yes	N	☐	☐
FC9-A2209	Exhaust (PackagedSPhase)	Simple	1	0	No	0	0	NA	NA	No	N	☐	☐
FC1-A11213	SZHP (SplitPhase)	Simple	1	80	Yes	2	72	EER-11.0	COP-3.5	Yes	N	☐	☐
FC1-A12221	SZHP (SplitPhase)	Simple	1	80	Yes	2	72	EER-11.0	COP-3.5	Yes	N	☐	☐
FC4-A10226	SZHP (SplitPhase)	Simple	1	34	Yes	1	30	SEER-14.0	HSPF-8.2	Yes	N	☐	☐

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Wet System Equipment [1]							Pumps						Confirmed	
12. Equip Name	13. Equip Type	14. Qty	15. Vol (gal)	16. Rated Capacity (kBtu/h)	17. Efficiency	18. Standby Loss	19. Tank Ext. R Value	20. Qty	21. GPM	22. HP	23. VSD (Y/N)	24. Status[2]	Pass	Fail
A O Smith Water Products2	Storage	1	60	120	Thrml. Eff.: 0.890	0.0239	NA	NA	NA	NA	No	N	☐	☐

[1] Dry System Equipment includes furnaces, air handling units, heat pumps, etc.
[2] Wet System Equipment includes boilers, chillers, cooling towers, water heaters, etc.
[3] Simple Systems must complete NRCC-CEN-03-E concerning to design water flow
[4] Complex Systems must complete NRCC-CEN-04-E concerning design water flow
[5] Acceptance of which acceptance tests are applicable is provided in NRCC-PRF-MCH-DETAILS
[6] Status: N - New, A – Altered, E – Existing

Discrepancy between modeled and designed equipment sizing? (If "Yes", see Table F, "Additional Remarks" for an explanation) — No

N. ECONOMIZER & FAN SYSTEMS SUMMARY[1] **§ 140.4** **Confirmed**

1. Equip Name	2. Outside Air	3. Supply Fan					4. Return Fan					5. Economizer Type (if present)	Pass	Fail
	CFM	CFM	HP	BHP	TSP (inch WC)	Control	CFM	HP	BHP	TSP (inch WC)	Control			
FC5-A13	452	883	0.489	0.489	1.76	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC5-A221	496	883	0.489	0.489	1.76	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC5-A331	496	883	0.489	0.489	1.76	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC5-A442	803	883	0.489	0.489	1.76	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC3-A556	945	1412	0.264	0.264	0.59	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC3-A668	330	1412	0.264	0.264	0.59	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC3-A776	924	1412	0.264	0.264	0.59	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC2-A884	803	1412	0.264	0.264	0.59	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC2-A9153	341	1412	0.264	0.264	0.59	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC9-A1201	19	675	0.080	0.080	0.38	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC9-A12208	23	675	0.080	0.080	0.38	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐

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N. ECONOMIZER & FAN SYSTEMS SUMMARY[1] **§ 140.4** **Confirmed**

1. Equip Name	2. Outside Air	3. Supply Fan					4. Return Fan					5. Economizer Type (if present)	Pass	Fail
	CFM	CFM	HP	BHP	TSP (inch WC)	Control	CFM	HP	BHP	TSP (inch WC)	Control			
FC1-A11213	8	2542	0.489	0.489	0.73	ConstantVolume	NA	NA	NA	NA	NA	FixedDryBulb	☐	☐
FC1-A12221	8	2542	0.489	0.489	0.73	ConstantVolume	NA	NA	NA	NA	NA	FixedDryBulb	☐	☐
FC4-A10226	6	883	0.349	0.549	1.26	ConstantVolume	NA	NA	NA	NA	NA	FixedDryBulb	☐	☐

[1] Interlocked ventilation calculations and exhaust fans are included in the NRCC-PRF-MCH-DETAILS section

O. EQUIPMENT CONTROLS **§ 120.2** **Confirmed**

1. Equip Name	2. Equip Type	3. Controls	Pass	Fail
FC5-A13	SZHP	1 Zones With CO2Sensor Vent. Control No Economizer No Supply Air Temp. Control	☐	☐
FC5-A221	SZHP	1 Zones With CO2Sensor Vent. Control No Economizer No Supply Air Temp. Control	☐	☐
FC5-A331	SZHP	1 Zones With CO2Sensor Vent. Control No Economizer No Supply Air Temp. Control	☐	☐
FC5-A442	SZHP	1 Zones With CO2Sensor Vent. Control No Economizer No Supply Air Temp. Control	☐	☐
FC3-A556	SZHP	1 Zones With CO2Sensor Vent. Control No Economizer No Supply Air Temp. Control	☐	☐
FC3-A668	SZHP	1 Zones With CO2Sensor Vent. Control No Economizer No Supply Air Temp. Control	☐	☐

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O. EQUIPMENT CONTROLS **§ 120.2** **Confirmed**

1. Equip Name	2. Equip Type	3. Controls	Pass	Fail
FC3-A776	SZHP	1 Zones With CO2Sensor Vent. Control No Economizer No Supply Air Temp. Control	☐	☐
FC2-A884	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control	☐	☐
FC2-A885	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control	☐	☐
FC2-A9153	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control	☐	☐
FC2-A9154	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control	☐	☐
FC9-A1201	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control	☐	☐
FC9-A12208	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control	☐	☐
FC9-A2209	Exhaust	No DCV Controls Economizer type not properly specified No Supply Air Temp. Control	☐	☐
FC1-A11213	SZHP

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O. EQUIPMENT CONTROLS — § 120.2 — Confirmed

1. Equip Name	2. Equip Type	3. Controls	Pass	Fail
Bldg A1 - SHW	Service Hot Water, Primary Only	Fixed Temperature Control, No DDC	☐	☐

P. SYSTEM DISTRIBUTION SUMMARY — § 120.4/ § 140.4(l)

This Section Does Not Apply

Does the Project include Zonal Systems? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Does the Project include a Solar Hot Water System? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Multifamily or Hotel/ Motel Occupancy? (If "Yes", see NRCC-PRF-MCH-DETAILS for DHW system information)	No

Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info)[3] — § 240.6 — Confirmed

1. Occupancy Type [1]	2. Conditioned Floor Area [2] (ft²)	3. Installed Lighting Power (Watts)	4. Lighting Control Credits (Watts)	5. Additional (Custom) Allowance		Pass	Fail
				Area Category Footnotes (Watts)	Tailored Method (Watts)		
Classrooms, Lecture, Training, Vocational Areas	4,986	1,601	526	0	0	☐	☐
Office (250 square feet in floor area or less)	1,735	1,224	0	0	0	☐	☐
Corridors, Restrooms, Stairs, and Support Areas	1,928	1,080	0	0	0	☐	☐
Electrical, Mechanical, Telephone Rooms	379	106	36	0	0	☐	☐
Building Totals:	8,928	4,011	562	0			

[1] See Table 140.6-C
[2] See NRCC-ER-01-E for uncconditioned spaces
[3] Lighting information for existing spaces modeled is not included in the table

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R. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E)[1] — § 130.0

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in offices) — Installed Watts (Conditioned) — Confirmed

Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined: CEC Default from NAB	How Wattage is Determined: According to §130.0(c)	Total Number Luminaires	Installed Watts	Pass	Fail
A	A: 2x4 LED Fixture	39	No	Yes	78	3,034	☐	☐
B	B: 2x2 LED Fixture	40	No	Yes	27	1,069	☐	☐
S	S: Strip Lighting, LED	35	No	Yes	10	350	☐	☐
C	C: 1x4 LED Fixture	40	No	Yes	2	80	☐	☐

[1] If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

S1. COVERED PROCESS SUMMARY – ENCLOSED PARKING GARAGES — § 140.9

This Section Does Not Apply

S2. COVERED PROCESS SUMMARY – COMMERCIAL KITCHENS — § 140.9

This Section Does Not Apply

S3. COVERED PROCESS SUMMARY – COMPUTER ROOMS — § 140.9

This Section Does Not Apply

S4. COVERED PROCESS SUMMARY – LABORATORY EXHAUSTS — § 140.9

This Section Does Not Apply

T. UNMET LOAD HOURS

Thermal Zone Name	Cooling Unmet Load Hour Limit for Thermal Zone	Proposed Cooling Unmet Load Hours	Heating Unmet Load Hour Limit for Thermal Zone	Proposed Heating Unmet Load Hours
12-Dummy Zone	150	1857.25	150	1
13-Dummy Zone	150	1857.75	150	1
14-Dummy Zone	150	630.5	150	0

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U. ENERGY USE SUMMARY

	Electric (kWh/yr)	Natural Gas (therms/yr)
Total Annual Baseline	143732	934.091
Total Annual Proposed	111055	677.959

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT — § 10-103 — Confirmed

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

Documentation Author Name:	Signature:	
Company: Kitchell		
Address:	Signature Date:	
City/State/Zip:	CEA Identification (if applicable):	
Phone:		

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.

Responsible Envelope Designer Name:	Signature:	
Company: Kitchell		
Address: 2750 Gateway Oaks Drive, Suite 300	Date Signed:	
City/State/Zip: Sacramento CA 95833	Declaration Statement Type:	
Phone: 916-648-9700	Title:	License #:
Responsible Lighting Designer Name:	Signature:	
Company: Kitchell		
Address: 2750 Gateway Oaks Drive, Suite 300	Date Signed:	
City/State/Zip: Sacramento CA 95833	Declaration Statement Type:	
Phone: 916-648-9700	Title:	License #:
Responsible Mechanical Designer Name: - specify -	Signature:	
Company: Kitchell		
Address: 2750 Gateway Oaks Drive, Suite 300	Date Signed:	
City/State/Zip: Sacramento CA 95833	Declaration Statement Type:	
Phone: 916-648-9700	Title:	License #:

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NRCC-PRF-ENV-DETAILS -SECTION START-

A. OPAQUE SURFACE ASSEMBLY DETAILS — Confirmed

1. Surface Name	2. Surface Type	3. Description of Assembly Layers	4. Notes	Pass	Fail
R-30 Metal Roof (Update)10	Roof	Metal Standing Seam - 1/16 in. Metal standing seam roof, R-30		☐	☐
R-19 Wall with HPCI Barrt32	ExteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Metal framed wall, 16in. OC, 5.5in., R-19 Gypsum Board - 1/2 in.		☐	☐
Slab On Grade16	UndergroundFloor	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0		☐	☐
R-13 Metal Wall19	InteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Air - Wall - 3 1/2 in. Gypsum Board - 1/2 in.		☐	☐
R-19 Wall36	ExteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Metal framed wall, 16in. OC, 5.5in., R-19 Gypsum Board - 1/2 in.		☐	☐
CMU Wall149	ExteriorWall	Concrete - Solid Grout - 113 lb/ft3 - 12 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more		☐	☐

B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E) — Confirmed

1. Fenestration Tag/ID	2. Fenestration Orientation	3. Overhang Dimensions: Horizontal Projection	3. Overhang Dimensions: Distance Above Window	4. Side fin: Vertical Projection	Pass	Fail
Window14	West	3.5 ft.	4.5 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window26	South	3.5 ft.	4.5 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window37	South	3.5 ft.	4.5 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window91	South	3.5 ft.	4.5 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window130	East	3.5 ft.	4.5 ft.	Left: 0 ft., Right: 0 ft.	☐	☐

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B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E) — Confirmed

1. Fenestration Tag/ID	2. Fenestration Orientation	3. Overhang Dimensions: Horizontal Projection	3. Overhang Dimensions: Distance Above Window	4. Side fin: Vertical Projection	Pass	Fail
Window102	South	3.5 ft.	4.5 ft.	Left: 0 ft., Right: 0 ft.	☐	☐
Window192	South	3.5 ft.	4.5 ft.	Left: 0 ft., Right: 0 ft.	☐	☐

C. OPAQUE DOOR SUMMARY — Confirmed

1. Opaque Door Assembly Name / Tag or I.D.	2. Door Type	3. Certification Method	4. Operation	5. Overall U-factor	Pass	Fail
Hollow Metal Door65	MetalUninsulatedDoubleLayerDoor	Default/Performance	Swinging	0.700	☐	☐

[1] Status: N= New, A = Altered, E = Existing

NRCC-PRF-MCH-DETAILS -SECTION START-

A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)* — Confirmed

CONDITIONED ZONE NAME	1. DESIGN AIR FLOWS: HEATING SUPPLY AIR FLOW (CFM)	COOLING SUPPLY AIR FLOW (CFM)	DESIGN PRIMARY AIR FLOW FRACTION	MINIMUM PRIMARY AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM OUTDOOR AIR FLOW (CFM)	MAXIMUM OUTDOOR AIR FLOW FRACTION	DDC CONTROLS TYPE	2. VENTILATION (§ 120.1): VENT SYSTEM ID	CONNECTED AREA (ft²)	MIN. VENT RATE (CFM)	DESIGN NUM. OF PEOPLE	OCCUPANCY SCHED	RECEV VENT RATE (CFM)	DESIGN VENT RATE (CFM)	TRANSFER AIR (CFM)	EXCEPTIONS	Pass	Fail
1-FC5-A1	FC5-A13	800	NA	NA	NA	NA	N	FC5-A13	605	0.38	30	7.5	226	452	NA	Y	☐	☐	
2-FC5-A2	FC5-A221	800	NA	NA	NA	NA	N	FC5-A221	581	0.38	29	7.5	218	436	NA	Y	☐	☐	
3-FC5-A3	FC5-A331	800	NA	NA	NA	NA	N	FC5-A331	581	0.38	29	7.5	218	436	NA	Y	☐	☐	
4-FC5-A4	FC5-A442	800	NA	NA	NA	NA	N	FC5-A442	1,071	0.38	54	7.5	402	805	NA	Y	☐	☐	
5-FC3-A5	FC3-A556	1,600	NA	NA	NA	NA	N	FC3-A556	726	0.38	36	7.5	272	545	NA	Y	☐	☐	

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A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)* — Confirmed

CONDITIONED ZONE NAME	1. DESIGN AIR FLOWS: HEATING SUPPLY AIR FLOW (CFM)	COOLING SUPPLY AIR FLOW (CFM)	DESIGN PRIMARY AIR FLOW FRACTION	MINIMUM PRIMARY AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM OUTDOOR AIR FLOW (CFM)	MAXIMUM OUTDOOR AIR FLOW FRACTION	DDC CONTROLS TYPE	2. VENTILATION (§ 120.1): VENT SYSTEM ID	CONNECTED AREA (ft²)	MIN. VENT RATE (CFM)	DESIGN NUM. OF PEOPLE	OCCUPANCY SCHED	RECEV VENT RATE (CFM)	DESIGN VENT RATE (CFM)	TRANSFER AIR (CFM)	EXCEPTIONS	Pass	Fail
6-FC3-A6	FC3-A668	1,600	NA	NA	NA	NA	N	FC3-A668	706	0.38	35	7.5	265	530	NA	Y	☐	☐	
7-FC3-A7	FC3-A776	1,600	NA	NA	NA	NA	N	FC3-A776	698	0.38	35	7.5	262	524	NA	Y	☐	☐	
8-FC2-A8	FC2-A884	1,412	NA	NA	NA	NA	N	FC2-A884	1,725	0.23	32	7.5	389	805	NA	N	☐	☐	
9-FC2-A9	FC2-A9133	1,412	NA	NA	NA	NA	N	FC2-A9133	1,928	0.15	19	15.0	289	341	NA	N	☐	☐	
10-FC9-A13	FC9-A1201	800	NA	NA	NA	NA	N	FC9-A1201	129	0.15	0	50.0	19	19	NA	N	☐	☐	
11-FC9-A2	FC9-A12208	800	NA	NA	NA	NA	N	FC9-A12208	190	0.15	0	50.0	23	23	NA	N	☐	☐	
12-Dummy Zone	FC1-A11213	2,542	NA	NA	NA	NA	N	FC1-A11213	10	0.38	1	7.5	4	8	NA	Y	☐	☐	
13-Dummy Zone	FC1-A12221	2,542	NA	NA	NA	NA	N	FC1-A12221	10	0.38	1	7.5	4	8	NA	Y	☐	☐	
14-Dummy Zone	FC4-A10226	883	NA	NA	NA	NA	N	FC4-A10226	10	0.29	0	7.5	3	6	NA	Y	☐	☐	
								TOTAL	8,928		321		2,584	4,934	NA		☐	☐	

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4 — Confirmed

1. System ID	2. System Type	3. Qty	4. Rated Capacity (kBtu/h): Heating	4. Rated Capacity (kBtu/h): Cooling	5. Economizer	6. Zone Name	7. Airflow (cfm): Design	7. Airflow (cfm): Min. Ratio	8. Fan: BHP	8. Fan: Cycles	8. Fan: ECM Motor	Pass	Fail
FC5-A15-TRM	Uncontrolled	1	NA	NA	NA	1-FC5-A1	800	NA	NA	NA	NA	☐	☐
FC5-A222-TRM	Uncontrolled	1	NA	NA	NA	2-FC5-A2	800	NA	NA	NA	NA	☐	☐
FC5-A332-TRM	Uncontrolled	1	NA	NA	NA	3-FC5-A3	800	NA	NA	NA	NA	☐	☐
FC5-A443-TRM	Uncontrolled	1	NA	NA	NA	4-FC5-A4	800	NA	NA	NA	NA	☐	☐

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B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4 — Confirmed

1. System ID	2. System Type	3. Qty	4. Rated Capacity (kBtu/h): Heating	4. Rated Capacity (kBtu/h): Cooling	5. Economizer	6. Zone Name	7. Airflow (cfm): Design	7. Airflow (cfm): Min. Ratio	8. Fan: BHP	8. Fan: Cycles	8. Fan: ECM Motor	Pass	Fail
FC3-A558-TRM	Uncontrolled	1	NA	NA	NA	5-FC3-A5	1600	NA	NA	NA	NA	☐	☐
FC3-A669-TRM	Uncontrolled	1	NA	NA	NA	6-FC3-A6	1600	NA	NA	NA	NA	☐	☐
FC3-A777-TRM	Uncontrolled	1	NA	NA	NA	7-FC3-A7	1600	NA	NA	NA	NA	☐	☐
FC2-A885-TRM	Uncontrolled	1	NA	NA	NA	8-FC2-A8	1412	NA	NA	NA	NA	☐	☐
FC2-A9154-TRM	Uncontrolled	1	NA	NA	NA	9-FC2-A9	1412	NA	NA	NA	NA	☐	☐
FC9-A1203-TRM	Uncontrolled	1	NA	NA	NA	10-FC9-A13	800	NA	NA	NA	NA	☐	☐
FC9-A2209-TRM	Uncontrolled	1	NA	NA	NA	11-FC9-A2	800	NA	NA	NA	NA	☐	☐
Dummy Zone213-TRM	Uncontrolled	1	NA	NA	NA	12-Dummy Zone	2542	NA	NA	NA	NA	☐	☐
Dummy Zone223-TRM	Uncontrolled	1	NA	NA	NA	13-Dummy Zone	2542	NA	NA	NA	NA	☐	☐
Dummy Zone228-TRM	Uncontrolled	1	NA	NA	NA	14-Dummy Zone	883	NA	NA	NA	NA	☐	☐

C. EXHAUST FAN SUMMARY — Confirmed

1. System ID	2. Zone Name	3. Qty	4. CFM	5. Motor BHP	6. Total Static Pressure (in H20)	Pass	Fail
FC2-A885	8-FC2-A8	1	140	0.130	1.40	☐	☐
FC2-A9154	9-FC2-A9	1	140	0.235	1.66	☐	☐
FC9-A2209	11-FC9-A2	1	100	0.028	0.36	☐	☐

D. DHW EQUIPMENT SUMMARY – *(Adapted from NRCC-PLB-01)* — § 110.3 — Confirmed

1. DHW Name	2. Fuel	3. Type	4. Qty	5. Distribution Type	6. Rated Input kBtuh	7. Efficiency	8. Pilot Energy (Btu/h)	9. External Tank Insulation	10. Vol	11. Standby Loss	12. Vol. of Suppl. Storage Tank	Pass	Fail
A O Smith Water Products2	NaturalGas	Storage	1	Nonrecirculating	120	Thermd. Eff.: 0.950	0	NA	60	0.0230	NA	☐	☐

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 21 of 27
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E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-03)

This Section Does Not Apply

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed: Pass	Confirmed: Fail
Equipment Requiring Testing or Verification	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan kW	Valve Leakage	Supply Water Temp. Reset	Vent. Ventilation Flow Control	Auto Demand Shed Controls	Auto DDDC for Air & Zone	Auto DDDC for Air & Water	Duct Pressure Change	TES Systems	Supply Air Temp. Reset	Occupancy Sensor Controls	ECMS	Pass	Fail
# of units																			
Bldg A1 - SHW	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-A13	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-A221	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-A331	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-A442	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC3-A556	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC3-A668	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC3-A776	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC2-A884	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC2-A885	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC2-A9153	1	X	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐

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G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed: Pass	Confirmed: Fail
Equipment Requiring Testing or Verification	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan kW	Valve Leakage	Supply Water Temp. Reset	Vent. Ventilation Flow Control	Auto Demand Shed Controls	Auto DDDC for Air & Zone	Auto DDDC for Air & Water	Duct Pressure Change	TES Systems	Supply Air Temp. Reset	Occupancy Sensor Controls	ECMS	Pass	Fail
# of units																			
FC2-A9154	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC9-A1201	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC9-A12208	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC9-A2209	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC1-A11213	1	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC1-A12221	1	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC4-A10226	1	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	☐	☐

H. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 23 of 27
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NRCC-PRF-LTI-DETAILS -SECTION START-

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) — § 140.6

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A) — Control Credit Calculation — Confirmed

Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts	V If Acceptance Test Required	Pass	Fail
1-1-FC5-A1	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	233	0.25	58	X	☐	☐
2-2-FC5-A2	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	233	0.25	58	X	☐	☐
3-3-FC5-A3	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	233	0.25	58	X	☐	☐
4-4-FC5-A4	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	117	0.25	29	X	☐	☐
5-4-FC5-A4	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	233	0.25	58	X	☐	☐
5-5-FC3-A5	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	350	0.25	88	X	☐	☐
5-6-FC3-A6	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	350	0.25	88	X	☐	☐
5-7-FC3-A7	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	350	0.25	88	X	☐	☐
5-8-FC2-A8	Office (250 square feet in floor area or less)	- none specified -	1	78	0.00	0		☐	☐
5-8-FC2-A8	Office (250 square feet in floor area or less)	- none specified -	1	78	0.00	0		☐	☐
5-8-FC2-A8	Office (250 square feet in floor area or less)	- none specified -	1	78	0.00	0		☐	☐
5-8-FC2-A8	Office (250 square feet in floor area or less)	- none specified -	1	238	0.00	0		☐	☐
5-8-FC2-A8	Office (250 square feet in floor area or less)	- none specified -	1	35	0.00	0		☐	☐

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 24 of 27
Project Address:	2500 Claybank Road Fairfield 94533	Calculation Date/Time:	12:41, Thu, Jul 07, 2016
Compliance Scope:	New/Complete	Input File Name:	Claybank Bldg-A T24.xml

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) — § 140.6

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A) — Control Credit Calculation — Confirmed

Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts	V If Acceptance Test Required	Pass	Fail
5-8-FC2-A8	Office (250 square feet in floor area or less)	- none specified -

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Compliance Scope:	NewComplete	Input File Name:	Claybank Bldg-A T24.xml

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) — § 140.6

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)

Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial-on occupancy sensor, manual dimming, etc.)	# of Units	Control Credit Calculation: Watts of Controlled Lighting	Control Credit Calculation: Power Adjustment Factor	Control Credit Calculation: Control Credit Watts	√ If Acceptance Test Required	Confirmed: Pass	Confirmed: Fail
S-9-FC2-A9	Corridors, Restrooms, Stairs, and Support Areas	- none specified -	1	35	0.00	0		☐	☐
S-9-FC2-A9	Corridors, Restrooms, Stairs, and Support Areas	- none specified -	1	350	0.00	0		☐	☐
S-9-FC2-A9	Corridors, Restrooms, Stairs, and Support Areas	- none specified -	1	79	0.00	0		☐	☐
S-9-FC2-A9	Corridors, Restrooms, Stairs, and Support Areas	- none specified -	1	70	0.00	0		☐	☐
S-10-FC9-A13	Electrical, Mechanical, Telephone Rooms	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	70	0.25	18	X	☐	☐
S-11-FC9-A2	Electrical, Mechanical, Telephone Rooms	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	70	0.25	18	X	☐	☐

B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E) — § 130.1

This Section Does Not Apply

0.00 (dpf) = Vacuum area controls, 0.40 (dpf) = Multi Level, 0.20 (dpf) = Auto Shut-Off, 0.00 (dpf) = Mandatory Daylight, 0.00 (dpf) = Demand Responsive

C. TAILORED METHOD LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E) — § 140.6

General lighting power (see Table D)	0
General lighting power from special function areas (see Table E)	NA
Additional "use it or lose it" (See Table G)	0
Total watts	0

D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E) — § 140.6-D

This Section Does Not Apply

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E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E) — § 140.6(c) 3H

Room Number	Primary Function Area	Illuminance Value (LUX)	Room Cavity Ratio (Table G)	Allowed LPD	Floor Area (ft²)	Allowed Watts	Confirmed: Pass	Confirmed: Fail
NA	NA	NA	NA	NA	NA	NA	☐	☐

Note: Allowed Watts for Special Function Areas is not currently implemented

F. ROOM CAVITY RATIO (Adapted from NRCC-LTI-04-E)

Rectangular Spaces

Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Confirmed: Pass	Confirmed: Fail
NA	NA	NA	NA	NA	NA	☐	☐

Non-Rectangular Spaces

This Section Does Not Apply

Note: All applied luminaires are listed under the Non-Rectangular Spaces HVAC

G. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCC-LTI-04-E)

1. Wall Display	2. Combined Floor Display and Task Lighting	3. Combined Ornamental and Special Effects Lighting	4. Very Valuable Merchandise	Allowed Watts	Confirmed: Pass	Confirmed: Fail
0	0	0	0	0	☐	☐

5. Wall Display

This Section Does Not Apply

6. Floor Display and Task Lighting

This Section Does Not Apply

7. Combined Ornamental and Special Effects Lighting

This Section Does Not Apply

Project Name:	Claybank Classrooms Building-A	NRCC-PRF-01-E	Page 27 of 27
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8. Very Valuable Merchandise

This Section Does Not Apply

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI-01-E and NRCC-LTO-01-E) — § 130.4

Declaration of Required Acceptance Certificates (NRCA) –Acceptance Certificates that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		Indoor			Outdoor	Confirmed	
Equipment Requiring Testing or Verification	# of units	NRCA-LTI-02-A Occ Sensors / Auto Time Switch	NRCA-LTI-03-A Auto Daylight	NRCA-LTI-04-A Demand Responsive	NRCA-LTO-02-A Outdoor Controls	Pass	Fail
Occupant Sensors	0	☐	☐	☐	☐	☐	☐
Automatic Time Switch	0	☐	☐	☐	☐	☐	☐
Automatic Daylighting	0	☐	☐	☐	☐	☐	☐
Demand Responsive	0	☐	☐	☐	☐	☐	☐
Outdoor Controls	0	☐	☐	☐	☐	☐	☐

ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL	ENV-MM
Project Name: *Claybank Vocational Education*	Date: *7/7/2016*

DESCRIPTION

Building Envelope Measures:

§110.8(a):	Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.
§110.8(c):	All insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.
§110.8(f):	The opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-13 between framing members.
§110.7(a):	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
§110.6(a):	Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft ² of window area, 0.1 cfm/ft ² of door area for residential doors, 0.3 cfm/ft ² of door area for nonresidential single doors (swinging and sliding), and 1.0 cfm/ft ² for nonresidential double doors (swinging).
§110.6(a):	Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.
§110.6(a) :	Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC
§110.6(b):	Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 03/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TITLE 24 - BLDG A

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **G202**

C:\BIM\CLAYBANK VOCED_asalija@kitchell.com.rvt

LAST REVISION: 11/8/2016 5:04:28 PM

Project Name:	Claybank Vocational Education Building	NRCC-PRF-01-E	Page 1 of 35
Project Address:	2500 Claybank Road Fairfield 94533	Calculation Date/Time:	16:11, Mon, Nov 07, 2016
Compliance Scope:	NewComplete	Input File Name:	Claybank Bldg-B 110716.cbdx

A. PROJECT GENERAL INFORMATION

1.	Project Location (city)	Fairfield	8.	Standards Version	Compliance2015
2.	CA Zip Code	94533	9.	Compliance Software (version)	EnergyPro 6.8
3.	Climate Zone	12	10.	Building Orientation (deg)	(N) 0 deg
4.	Total Conditioned Floor Area in Scope	26,336 ft²	11.	Permitted Scope of Work	NewComplete
5.	Total Unconditioned Floor Area	0 ft²	12.	Building Type(s)	Nonresidential
6.	Total # of Stories (Habitable Above Grade)	1	13.	Gas Type	NaturalGas
7.	Total # of dwelling units	0			

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² -yr) — § 140.1

BUILDING COMPLIES

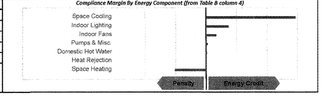
1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	17.3	42.9	-25.6	-148.0%
Space Cooling	83.4	9.7	73.7	88.4%
Indoor Fans	26.0	18.0	8.0	30.8%
Heat Rejection	--	--	--	--
Pumps & Misc.	0.9	--	0.9	--
Domestic Hot Water	3.2	2.8	0.4	12.3%
Indoor Lighting	83.3	65.1	18.2	21.8%
COMPLIANCE TOTAL	214.3	138.5	75.6	35.3%
Receptacle	80.5	80.5	0.0	0.0%
Process	97.8	97.8	0.0	0.0%
Other Ltg	--	--	--	--
TOTAL	400.4	324.8	75.6	18.9%

Project Name:	Claybank Vocational Education Building	NRCC-PRF-01-E	Page 2 of 35
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C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (In order of highest to lowest TDV energy savings)

1st	Space Cooling: Check envelope and mechanical
2nd	Indoor Lighting: Check lighting
3rd	Indoor Fans: Check envelope and mechanical
4th	Pumps & Misc.: Check mechanical
5th	Domestic Hot Water: Check mechanical
6th	Heat Rejection: Check envelope and mechanical
7th	Space Heating: Check envelope and mechanical

Compliance Margin By Energy Component (from Table B column 4)



D. EXCEPTIONAL CONDITIONS

The aged solar reflectance and aged thermal emittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is used, the initial reflectance must be listed, and the aged reflectance is calculated by the software program and used in the compliance model.

The proposed building claims credit for non-mandatory lighting control credits via Power Adjustment Factors (PAFs) as outlined in Standards Table 140.6-A. Review NRCC-PRF-LTI DETAILS Table A to ensure that credit is not claimed for mandatory controls.

This project includes Domestic Hot Water in the analysis. Please verify that Domestic Hot Water is included in the design for the permitted scope of work.

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

None Provided

Project Name:	Claybank Vocational Education Building	NRCC-PRF-01-E	Page 3 of 35
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G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

Identify which building components use the performance or prescriptive path for compliance. "NA "= not in project
For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans.

Building Component	Compliance Path	Compliance Forms (required for submittal)	Location of Mandatory Notes on Plans
Envelope	☒ Performance	NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)	
	☐ Prescriptive	NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E	
	☐ NA		
Mechanical	☒ Performance	NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)	
	☐ Prescriptive	NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E	
	☐ NA		
Domestic Hot Water	☒ Performance	NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)	
	☐ Prescriptive	NRCC-PLB-01-E	
	☐ NA		
Lighting (Indoor Conditioned)	☒ Performance	NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)	
	☐ Prescriptive	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	
	☐ NA		
Covered Process: Commercial Kitchens	☐ Performance	52 (section of the NRCC-PRF-01-E)	
	☐ Prescriptive	NRCC-PRC-01/ 03-E	
	☒ NA		
Covered Process: Computer Rooms	☐ Performance	53 (section of the NRCC-PRF-01-E)	
	☐ Prescriptive	NRCC-PRC-01/ 04-E	
	☒ NA		
Covered Process: Laboratory Exhaust	☐ Performance	54 (section of the NRCC-PRF-01-E)	
	☐ Prescriptive	NRCC-PRC-01/ 09-E	
	☒ NA		

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G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project.

Yes	NA	Prescriptive Requirement	Compliance Forms
☐	☒	Lighting (Indoor Unconditioned) §140.6	NRCC-LTI-01 / 02 / 03 / 04 / 05-E
☐	☒	Lighting (Outdoor) §140.7	NRCC-LTO-01/ 02 / 03-E
☐	☒	Lighting (Sign) §140.8	NRCC-LTS-01-E
☐	☒	Solar Thermal Water Heating: §140.5	NRCC-STH-01-E

The following building components may have mandatory requirements per Part 6, indicate which are relevant to the project.

Yes	NA	Mandatory Requirement	Compliance Forms
☐	☒	Commissioning: §120.8 Simple Systems Complex Systems	NRCC-CXR-01 / 02 / 03 / 05-E NRCC-CXR-01 / 02 / 04 / 05-E
☐	☒	Electrical: §130.5	NRCC-ELC-01-E
☐	☒	Solar Ready: §110.10	NRCC-SRA-01 / 02-E
☐	☒	Covered Process: §120.6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers	NRCC-PRC-01-E NRCC-PRC-02-E NRCC-PRC-03-E NRCC-PRC-06/07/08-E NRCC-PRC-10-E NRCC-PRC-11-E

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) – Documentation Author to indicate which Certificates must be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms (required for submittal)	Confirmed Pass	Confirmed Fail
Envelope	☒ NRCI-ENV-01-E - For all buildings	☐	☐
	☒ NRCA-ENV-02-F- NFRC label verification for fenestration	☐	☐
Mechanical	☒ NRCI-MCH-01-E - For all buildings with Mechanical Systems	☐	☐
	☒ NRCA-MCH-02-A- Outdoor Air	☐	☐
	☒ NRCA-MCH-03-A – Constant Volume Single Zone HVAC	☐	☐
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage	☐	☐
	☒ NRCA-MCH-05-A- Air Economizer Controls	☐	☐
	☐ NRCA-MCH-06-A- Demand Control Ventilation	☐	☐
	☐ NRCA-MCH-07-A – Supply Fan Variable Flow Controls	☐	☐
	☐ NRCA-MCH-08-A- Valve Leakage Test	☐	☐
	☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls	☐	☐
	☐ NRCA-MCH-11-A – Auto Demand Shed Controls	☐	☐
	☐ NRCA-MCH-12-A- Packaged Direct Expansion Units	☐	☐
	☐ NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units	☐	☐
	☐ NRCA-MCH-14-A- Distributed Energy Storage	☐	☐
	☐ NRCA-MCH-15-A – Thermal Energy Storage	☐	☐
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls	☐	☐
	☐ NRCA-MCH-17-A – Condensate Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-18-A- Energy Management Controls Systems	☐	☐
	☐ NRCV-MCH-04-H- Duct Leakage Test	☐	☐

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) – Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms (required for submittal)	Confirmed Pass	Confirmed Fail
Plumbing	☒ NRCI-PLB-01-E - For all buildings with Plumbing Systems	☐	☐
	☐ NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-03-E - Single-dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-21-H - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-STH-01-E - Any solar water heating	☐	☐
Indoor Lighting	☒ NRCI-LTI-01-E - For all buildings	☐	☐
	☐ NRCI-LTI-02-E - Lighting control system, or for an Energy Management Control System (EMCS)	☐	☐
	☐ NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting	☐	☐
	☐ NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a convention centes, a conference room, or a theater	☐	☐
	☒ NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF)	☐	☐
	☐ NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio	☐	☐
	☐ NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls.	☐	☐
	☐ NRCA-LTI-03-A - Automatic daylighting controls	☐	☐
	☐ NRCA-LTI-04-A - Demand responsive lighting controls	☐	☐
Outdoor Lighting	☐ NRCI-LTO-01-E – Outdoor Lighting	☐	☐
	☐ NRCI-LTO-02-E- EMCS Lighting Control System	☐	☐
	☐ NRCA-LTO-02-A - Outdoor Lighting Control	☐	☐
Sign Lighting	☐ NRCI-LTS-01-E – Sign Lighting	☐	☐
Electrical	☐ NRCI-ELC-01-E - Electrical Power Distribution	☐	☐
Photovoltaic	☐ NRCI-ERV-01-E Photovoltaic Systems	☐	☐

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) – Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms (required for submittal)	Confirmed Pass	Confirmed Fail
Covered Process	☐ NRCI-PRC-01-E Refrigerated Warehouse	☐	☐
	☐ NRCA-PRC-01-F- Compressed Air Systems	☐	☐
	☐ NRCA-PRC-02-F- Kitchen Exhaust	☐	☐
	☐ NRCA-PRC-03-F- Garage Exhaust	☐	☐
	☐ NRCA-PRC-04-F- Refrigerated Warehouse- Evaporator Fan Motor Controls	☐	☐
	☐ NRCA-PRC-05-F- Refrigerated Warehouse- Evaporative Condenser Controls	☐	☐
	☐ NRCA-PRC-06-F- Refrigerated Warehouse- Air Cooled Condenser Controls	☐	☐
	☐ NRCA-PRC-07F- Refrigerated Warehouse- Variable Speed Compressor	☐	☐
	☐ NRCA-PRC-08-F- Electrical Resistance Underslab Heating System	☐	☐

I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)

						Confirmed Pass	Confirmed Fail
1.	Total Conditioned Floor Area	26,336 ft²	5.	Number of Floors Above Grade	1		
2.	Total Unconditioned Floor Area	0 ft²	6.	Number of Floors Below Grade	0		
3.	Addition Conditioned Floor Area	0 ft²					
4.	Addition Unconditioned Floor Area	0 ft²					

Z. Opaque Surfaces & Orientation	8. Total Gross Surface Area	9. Total Fenestration Area	10. Window to Wall Ratio	Confirmed Pass	Confirmed Fail
North Wall	1,060 ft²	0 ft²	00.0%	☐	☐
East Wall	8,314 ft²	0 ft²	00.0%	☐	☐
South Wall	7,261 ft²	0 ft²	00.0%	☐	☐
West Wall	1,529 ft²	0 ft²	00.0%	☐	☐
Total	18,384 ft²	0 ft²	00.0%	☐	☐
Roof	28,170 ft²	0 ft²	00.0%	☐	☐

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J. FENESTRATION SUMMARY — § 110.6

This Section Does Not Apply

K. OPAQUE SURFACE ASSEMBLY SUMMARY — § 120.7/ § 140.3 — Confirmed

1. Surface Name	2. Surface Type	3. Area (ft²)	4. Framing Type	5. Cavity R-Value	6. Continuous R-Value	7. U-Factor / F-Factor / C-Factor	R-Value? Pass	R-Value? Fail
R-13 Interior Space13	InteriorWall	10628	Metal	13	NA	U-Factor: 0.195	N	☐ ☐
Slab On Grade13	UndergroundFloor	26460	NA	0	NA	F-Factor: 0.730	N	☐ ☐
Interior Classroom Roof15	Ceiling	4380	Wood	19	NA	U-Factor: 0.048	N	☐ ☐
L5-36 Wall Panel17	ExteriorWall	16319	NA	0	NA	U-Factor: 0.588	N	☐ ☐
Bay Roof (Update)19	Roof	28170	NA	30	NA	U-Factor: 0.072	N	☐ ☐
R-13 Wall w/1 EPS109	ExteriorWall	2065	Wood	13	NA	U-Factor: 0.102	N	☐ ☐

* Status: N – New, A – Altered, E – Existing

L. ROOFING PRODUCT SUMMARY — § 140.3 — Confirmed

1. Product Type	2. Product Density (lb/ft³)	3. Aged Solar Reflectance	4. Thermal Emittance	5. SRI	6. Cool Roof Credit	7. Roofing Product Description	Pass	Fail
Bay Roof (Update)19	2.54281	0.63	0.75	Not Provided	Yes	CRRC Prod. ID: Bay Roof (Update)	☐	☐

M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) — § 110.1 / § 110.2

Dry System Equipment [1] (Fan & Economizer info included below in Table N) — Confirmed

1. Equip Name	2. Equip Type	3. System Type (Simple [2] or Complex [3])	4. Qty	5. Total Heating Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtu/h)	8. Total Cooling Output (kBtu/h)	9. Efficiency: Cooling	9. Efficiency: Heating	10. Acceptance Testing Required? (Y/N) [4]	11. Status*	Pass	Fail
FC5-81	SZHP (Split3Phase)	Simple	1	34	Yes	1	29	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC7-89	SZHP (Split3Phase)	Simple	1	9	No	0	8	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC7-811	SZHP (Split3Phase)	Simple	1	9	No	0	8	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC7-812	SZHP (Split3Phase)	Simple	1	9	No	0	8	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC5-83	SZHP (Split3Phase)	Simple	1	34	Yes	1	29	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC7-813	SZHP (Split3Phase)	Simple	1	9	No	0	8	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC7-814	SZHP (Split3Phase)	Simple	1	9	No	0	8	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC5-84	SZHP (Split3Phase)	Simple	1	34	Yes	1	29	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC7-815	SZHP (Split3Phase)	Simple	1	9	No	0	8	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC7-816	SZHP (Split3Phase)	Simple	1	9	No	0	8	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC6-85	SZHP (Split3Phase)	Simple	1	20	No	0	17	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC6-86	SZHP (Split3Phase)	Simple	1	20	No	0	17	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC6-87	SZHP (Split3Phase)	Simple	1	20	No	0	17	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐
FC6-88	SZHP (Split3Phase)	Simple	1	20	No	0	17	SEER-14.0 / EER-12.2	HSPF-8.2	Yes	N	☐	☐

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M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) — § 110.1 / § 110.2

Dry System Equipment [1] (Fan & Economizer info included below in Table N) — Confirmed

1. Equip Name	2. Equip Type	3. System Type (Simple [2] or Complex [3])	4. Qty	5. Total Heating Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtu/h)	8. Total Cooling Output (kBtu/h)	9. Efficiency: Cooling	9. Efficiency: Heating	10. Acceptance Testing Required? (Y/N) [4]	11. Status*	Pass	Fail
FC8-B1	SZAC (Split3Phase)	Simple	1	0	No	0	12	SEER-14.0 / EER-12.2	NA	Yes	N	☐	☐
FC8-B2	SZAC (Split3Phase)	Simple	1	0	No	0	12	SEER-14.0 / EER-12.2	NA	Yes	N	☐	☐
FC8-B3	SZAC (Split3Phase)	Simple	1	0	No	0	12	SEER-14.0 / EER-12.2	NA	Yes	N	☐	☐
UH-B1 & UH-B2	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B3 & UH-B4	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B5 & UH-B6	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B7 & UH-B8	SZAC (Split3Phase)	Simple	2	34	No	0	0	NA	NA	Yes	N	☐	☐
UH-B9 & UH-B10	SZAC (Split3Phase)	Simple	2	34	No	0	0	NA	NA	Yes	N	☐	☐
UH-B11 & UH-B12	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B13 & UH-B14	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B15 & UH-B16	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐

Wet System Equipment [1]							*Pumps*				Confirmed	
12. Equip Name	13. Equip Type	14. Qty	15. Vol (gal)	16. Rated Capacity (kBtu/h)	17. Efficiency	18. Standby Loss	19. Tank Ext.-R Value	20. Qty	21. GPM	22. HP	23. VSD (Y/N)	24. Status*	Pass	Fail
A O Smith Water Product12	Storage	1	119	300	Thrml. Eff.: 0.960	0.0176	NA	NA	NA	NA	No	N	☐	☐

[1] *Dry System Equipment includes furnaces, air handling units, heat pumps, etc.*
[2] *Wet System Equipment includes boilers, chillers, cooling towers, water heaters, etc.*

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M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) — § 110.1 / § 110.2

Dry System Equipment [1] (Fan & Economizer info included below in Table N) — Confirmed

1. Equip Name	2. Equip Type	3. System Type (Simple [2] or Complex [3])	4. Qty	5. Total Heating Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtu/h)	8. Total Cooling Output (kBtu/h)	9. Efficiency: Cooling	9. Efficiency: Heating	10. Acceptance Testing Required? (Y/N) [4]	11. Status*	Pass	Fail
FC8-B1	SZAC (Split3Phase)	Simple	1	0	No	0	12	SEER-14.0 / EER-12.2	NA	Yes	N	☐	☐
FC8-B2	SZAC (Split3Phase)	Simple	1	0	No	0	12	SEER-14.0 / EER-12.2	NA	Yes	N	☐	☐
FC8-B3	SZAC (Split3Phase)	Simple	1	0	No	0	12	SEER-14.0 / EER-12.2	NA	Yes	N	☐	☐
UH-B1 & UH-B2	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B3 & UH-B4	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B5 & UH-B6	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B7 & UH-B8	SZAC (Split3Phase)	Simple	2	34	No	0	0	NA	NA	Yes	N	☐	☐
UH-B9 & UH-B10	SZAC (Split3Phase)	Simple	2	34	No	0	0	NA	NA	Yes	N	☐	☐
UH-B11 & UH-B12	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B13 & UH-B14	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐
UH-B15 & UH-B16	SZAC (Split3Phase)	Simple	2	37	No	0	0	NA	AFUE-83.0	Yes	N	☐	☐

Wet System Equipment [1]							*Pumps*				Confirmed	
12. Equip Name	13. Equip Type	14. Qty	15. Vol (gal)	16. Rated Capacity (kBtu/h)	17. Efficiency	18. Standby Loss	19. Tank Ext.-R Value	20. Qty	21. GPM	22. HP	23. VSD (Y/N)	24. Status*	Pass	Fail
A O Smith Water Product12	Storage	1	119	300	Thrml. Eff.: 0.960	0.0176	NA	NA	NA	NA	No	N	☐	☐

[1] *Dry System Equipment includes furnaces, air handling units, heat pumps, etc.*
[2] *Wet System Equipment includes boilers, chillers, cooling towers, water heaters, etc.*

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[2] *Simple Systems must complete NRCC-CXR-01-E commissioning design review form*
[3] *Complex Systems must complete NRCC-CXR-04-E commissioning design review form*
[4] *A summary of which acceptance tests are applicable is provided in NRCC-PRF-MCH-DETAILS*
* *Status: N– New, A – Altered, E – Existing*

Discrepancy between modeled and designed equipment sizing? (if "Yes", see Table F. "Additional Remarks" for an explanation) — No

N. ECONOMIZER & FAN SYSTEMS SUMMARY [1] — § 140.4 — Confirmed

1. Equip Name	2. Outside Air CFM	3. Supply Fan CFM	HP	BHP	TSP (Inch WC)	Control	4. Return Fan CFM	HP	BHP	TSP (Inch WC)	Control	5. Economizer Type (if present)	Pass	Fail
FC5-81	258	880	0.228	0.228	0.82	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC7-89	15	300	0.110	0.110	1.16	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC7-810	15	300	0.110	0.110	1.16	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC5-82	278	880	0.228	0.228	0.82	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC7-811	15	300	0.110	0.110	1.16	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC7-812	15	300	0.110	0.110	1.16	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐
FC5-83	262	880	0.228	0.228

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O. EQUIPMENT CONTROLS § 120.2

1. Equip Name	2. Equip Type	3. Controls	Confirmed Pass	Confirmed Fail
FC7-B10	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC5-B2	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC7-B11	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC7-B12	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC5-B3	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC7-B13	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC7-B14	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC5-B4	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐

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O. EQUIPMENT CONTROLS § 120.2

1. Equip Name	2. Equip Type	3. Controls	Confirmed Pass	Confirmed Fail
FC7-B15	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC7-B16	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC6-B5	SZHP	No DCV Controls Fixed Drybulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC6-B6	SZHP	No DCV Controls Fixed Drybulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC6-B7	SZHP	No DCV Controls Fixed Drybulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC6-B8	SZHP	No DCV Controls Fixed Drybulb Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC8-B1	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
FC8-B2	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐

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O. EQUIPMENT CONTROLS § 120.2

1. Equip Name	2. Equip Type	3. Controls	Confirmed Pass	Confirmed Fail
FC8-B3	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
UH-B1 & UH-B2	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
UH-B3 & UH-B4	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
UH-B5 & UH-B6	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
UH-B7 & UH-B8	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
UH-B9 & UH-B10	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
UH-B11 & UH-B12	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
UH-B13 & UH-B14	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐

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O. EQUIPMENT CONTROLS § 120.2

1. Equip Name	2. Equip Type	3. Controls	Confirmed Pass	Confirmed Fail
UH-B15 & UH-B16	SZAC	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start	☐	☐
Bldg B1 - SHW	Service Hot Water, Primary Only	Fixed Temperature Control, No DDC	☐	☐

P. SYSTEM DISTRIBUTION SUMMARY § 120.4/ § 140.4(l)

1. Equip Name	2. Equip Type	Dry System Distribution: 3. Duct Leakage and Sealing Required per 140.4(l)	4. Duct Leakage will be verified per NA1 and NA2	5. Ducts: Insulation R-Value	5. Ducts: Location	Confirmed Pass	Confirmed Fail
FC5-B1	SZHP	No	No	8	None	☐	☐
FC7-B8	SZHP	No	No	8	Conditioned	☐	☐
FC7-B10	SZHP	No	No	8	Conditioned	☐	☐
FC5-B2	SZHP	No	No	8	None	☐	☐
FC7-B11	SZHP	No	No	8	Conditioned	☐	☐
FC7-B12	SZHP	No	No	8	Conditioned	☐	☐
FC5-B3	SZHP	No	No	8	Conditioned	☐	☐
FC7-B13	SZHP	No	No	8	Conditioned	☐	☐
FC7-B14	SZHP	No	No	8	Conditioned	☐	☐
FC5-B4	SZHP	No	No	8	Conditioned	☐	☐
FC7-B15	SZHP	No	No	8	Conditioned	☐	☐
FC7-B16	SZHP	No	No	8	Conditioned	☐	☐
FC6-B5	SZHP	No	No	8	Conditioned	☐	☐
FC6-B6	SZHP	No	No	8	Conditioned	☐	☐
FC6-B7	SZHP	No	No	8	Conditioned	☐	☐
FC6-B8	SZHP	No	No	8	Conditioned	☐	☐

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P. SYSTEM DISTRIBUTION SUMMARY § 120.4/ § 140.4(l)

1. Equip Name	2. Equip Type	Dry System Distribution: 3. Duct Leakage and Sealing Required per 140.4(l)	4. Duct Leakage will be verified per NA1 and NA2	5. Ducts: Insulation R-Value	5. Ducts: Location	Confirmed Pass	Confirmed Fail
FC8-B1	SZAC	No	No	8	None	☐	☐
FC8-B2	SZAC	No	No	8	Conditioned	☐	☐
FC8-B3	SZAC	No	No	8	Conditioned	☐	☐
UH-B1 & UH-B2	SZAC	No	No	8	None	☐	☐
UH-B3 & UH-B4	SZAC	No	No	8	None	☐	☐
UH-B5 & UH-B6	SZAC	No	No	8	None	☐	☐
UH-B7 & UH-B8	SZAC	No	No	8	None	☐	☐
UH-B9 & UH-B10	SZAC	No	No	8	None	☐	☐
UH-B11 & UH-B12	SZAC	No	No	8	None	☐	☐
UH-B13 & UH-B14	SZAC	No	No	8	None	☐	☐
UH-B15 & UH-B16	SZAC	No	No	8	None	☐	☐

Does the Project Include Zonal Systems? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Does the Project Include a Solar Hot Water System? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Multifamily or Hotel/ Motel Occupancy? (If "Yes", see NRCC-PRF-MCH-DETAILS for DHW system information)	No

Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info)[2] § 140.6

1. Occupancy Type [1]	2. Conditioned Floor Area [2] (ft²)	3. Installed Lighting Power (Watts)	4. Lighting Control Credits (Watts)	5. Additional (Custom) Allowance: Area Category Footnotes (Watts)	5. Additional (Custom) Allowance: Tailored Method (Watts)	Confirmed Pass	Confirmed Fail
Classrooms, Lecture, Training, Vocational Areas	2,861	1,559	390	0	0	☐	☐

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Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info)[2] § 140.6

1. Occupancy Type [1]	2. Conditioned Floor Area [2] (ft²)	3. Installed Lighting Power (Watts)	4. Lighting Control Credits (Watts)	5. Additional (Custom) Allowance: Area Category Footnotes (Watts)	5. Additional (Custom) Allowance: Tailored Method (Watts)	Confirmed Pass	Confirmed Fail
Office (250 square feet in floor area or less)	836	656	120	0	0	☐	☐
Electrical, Mechanical, Telephone Rooms	200	155	6	0	0	☐	☐
General Commercial and Industrial Work Areas, High Bay	22,439	18,868	0	0	0	☐	☐
Building Totals:	26,336	21,238	516	0	0		

[1] See Table 140.6-C
[2] See NRCC-LTI-01-E for unconditioned spaces
[3] Lighting information for existing spaces modeled is not included in the table

R. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E)[3] § 130.0

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in offices)			Installed Watts (Conditioned)				Confirmed Pass	Confirmed Fail
Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined: CEC Default from NRAD	How Wattage is Determined: According to §130.0(c)	Total Number Luminaires	Installed Watts		
A	A: 2x4 LED Fixture	39	No	Yes	52	2,002	☐	☐
C	C: 1x4 LED Fixture (Surface)	40	No	Yes	2	79	☐	☐
S	S: 1x4 Strip, LED (Surface)	31	No	Yes	16	486	☐	☐
D	D: High Bay LED Fixture (Surface)	245	No	Yes	76	18,620	☐	☐

[1] Lighting power densities were used in the simulation model Building Departments will need to check prescriptive forms for luminaire schedule details.

S1. COVERED PROCESS SUMMARY – ENCLOSED PARKING GARAGES § 140.9

This Section Does Not Apply

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S2. COVERED PROCESS SUMMARY – COMMERCIAL KITCHENS § 140.9

This Section Does Not Apply

S3. COVERED PROCESS SUMMARY – COMPUTER ROOMS § 140.9

This Section Does Not Apply

S4. COVERED PROCESS SUMMARY – LABORATORY EXHAUSTS § 140.9

This Section Does Not Apply

T. UNMET LOAD HOURS

Thermal Zone Name	Cooling Unmet Load Hour Limit for Thermal Zone	Proposed Cooling Unmet Load Hours	Heating Unmet Load Hour Limit for Thermal Zone	Proposed Heating Unmet Load Hours
13-Dummy Zone	150	648	150	0
15-Dummy Zone	150	778.5	150	0
16-Dummy Zone	150	770.75	150	0
20-Repair Bay B145	150	2852.75	150	45.5
21-Repair Bay B141	150	3082.5	150	0
22-Repair Bay B140	150	2888.75	150	0
23-Trade Bay B136	150	3671	150	0
24-Trade Bay B135	150	3225	150	0
25-Trade Bay B129	150	3030.5	150	0
26-Trade Bay B152	150	2505.25	150	0
27-Trade Bay B115	150	2816.25	150	1.75

U. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	0.0	16.3	--	249.0	447.3	-198.3
Space Cooling	53.5	5.8	47.7	--	--	--
Indoor Fans	25.7	21.0	4.7	--	--	--
Heat Rejection	--	--	--	--	--	--

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U. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Pumps & Misc.	1.3	--	--	--	--	--
Domestic Hot Water	--	--	--	31.9	44.5	7.4
Indoor Lighting	85.7	67.0	18.7	--	--	--
COMPLIANCE TOTAL	166.2	119.1	56.1	300.9	491.8	-190.9
Receptacle	91.0	91.0	0.0	--	--	--
Process	100.5	100.5	0.0	--	--	--
Other Ltg	--	--	--	--	--	--
TOTAL	357.7	301.6	56.1	300.9	491.8	-190.9

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT § 10-103

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

Documentation Author Name: Henry Sayavath	Signature:
Company: Kitchell	
Address: 2450 Venture Oaks Way Suite: 300	Signature Date: 11/8/16
City/State/Zip: Sacramento CA 95833	CEA Identification (if applicable):
Phone:	

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, electrial 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.

Responsible Envelope Designer Name: Gordon Rogers	Signature:
Company: Kitchell	
Address: 2450 Venture Oaks Way Suite: 500	Date Signed: 11/8/16
City/State/Zip: Sacramento CA 94533	Declaration Statement Type:
Phone: 916-648-9700	Title: License #: C22679
Responsible Lighting Designer Name: Gerald Neuffer	Signature:
Company: Kitchell	
Address: 2450 Venture Oaks Way Suite: 500	Date Signed: 11/8/16
City/State/Zip: Sacramento CA 95833	Declaration Statement Type:
Phone: 916-648-9700	Title: License #: E14881
Responsible Mechanical Designer Name: Sergio Rodriguez	Signature:
Company: Kitchell	
Address: 2450 Venture Oaks Way Suite: 500	Date Signed: 11/8/16
City/State/Zip: Sacramento CA 94533	Declaration Statement Type:
Phone: 916-648-9700	Title: License #: M35271

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NRCC-PRF-ENV-DETAILS -SECTION START-

A. OPAQUE SURFACE ASSEMBLY DETAILS

1. Surface Name	2. Surface Type	3. Description of Assembly Layers	4. Notes	Confirmed Pass	Confirmed Fail
R-13 Interior Space11	InteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Metal framed wall, 16in. OC, 3.5in., R-13 Gypsum Board - 1/2 in.		☐	☐
Slab On Grade13	UndergroundFloor	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0		☐	☐
Interior Classroom Roof15	Ceiling	Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Cavity - Vinyl Roof Ceiling - 4 in. or more Wood framed roof, 16in. OC, 7.25in., R-19 Gypsum Board - 1/2 in.		☐	☐
LS-36 Wall Panel17	ExteriorWall	Metal Siding - 1/16 in. Air - Wall - 3 1/2 in.		☐	☐
Bay Roof (Update)159	Roof	Metal Standing Seam - 1/16 in. Metal standing seam roof, R-30		☐	☐
R-13 Wall w/1 EPS209	ExteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 3.5in., R-13 Gypsum Board - 1/2 in.		☐	☐

B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)

This Section Does Not Apply

C. OPAQUE DOOR SUMMARY

1. Opaque Door Assembly Name / Tag or I.D.	2. Door Type	3. Certification Method	4. Operation	5. Area	6. Overall U-factor	7. Status [1]	Confirmed Pass	Confirmed Fail
Hollow Metal Door19	MetalUninsulatedDoubleLayerDoor	DefaultPerformance	Swinging	483	0.700	N	☐	☐

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C. OPAQUE DOOR SUMMARY

1. Opaque Door Assembly Name / Tag or I.D.	2. Door Type	3. Certification Method	4. Operation	5. Area	6. Overall U-factor	7. Status [1]	Confirmed Pass	Confirmed Fail
Standard Door 4.5.1-A2163	MetalUninsulatedSingleLayerRollupDoor	DefaultPerformance	NonSwinging	2746	1.450	N	☐	☐

[1] Status: N - New, A - Altered, E - Existing

NRCC-PRF-MCH-DETAILS -SECTION START-

A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)*

CONDITIONED ZONE NAME	1. DESIGN AIR FLOWS: ID	HEATING / COOLING SYSTEM ID	OUTDOOR PRIMARY AIR FLOW (CFM)	OUTDOOR SECONDARY AIR FLOW (CFM)	OUTDOOR AIR FLOW PER UNIT AREA (CFM/ft²)	MAXIMUM OUTDOOR AIR FLOW (CFM)	MAXIMUM PRIMARY AIR FLOW (CFM)	MAXIMUM SECONDARY AIR FLOW (CFM)	DCV	2. VENTILATION (§ 120.1): VENT SYSTEM ID	CONDITIONED AREA (ft²)	MIN. VENT RATE PER AREA (CFM/ft²)	DESIGN MAX OCCUPANCY (Persons)	MIN. VENT RATE PER OCCUPANT (CFM/Person)	MIN. OUTDOOR AIR FLOW (CFM)	REQUIRED OUTDOOR AIR FLOW (CFM)	TRANSFER AIR/ROOM (CFM)	ZONE OUTDOOR AIR FLOW (CFM)	Confirmed Pass	Confirmed Fail
1-Classroom Space B148	FC5-B1	1,600	NA	NA	NA	NA	N	FC5-B1	688	NA	17	15.0	258	258	NA	N	☐	☐
2-Instructor Rm B145	FC7-B9	300	NA	NA	NA	NA	N	FC7-B9	100	NA	1	30.0	15	15	NA	N	☐	☐
3-Instructor Rm B141	FC7-B10	300	NA	NA	NA	NA	N	FC7-B10	100	NA	1	30.0	15	15	NA	N	☐	☐
4-Classroom Space B138	FC5-B2	1,600	NA	NA	NA	NA	N	FC5-B2	741	NA	19	15.0	278	278	NA	N	☐	☐
5-Instructor Rm B140	FC7-B11	300	NA	NA	NA	NA	N	FC7-B11	100	NA	1	30.0	15	15	NA	N	☐	☐
6-Instructor Rm B136	FC7-B12	300	NA	NA	NA	NA	N	FC7-B12	100	NA	1	30.0	15	15	NA	N	☐	☐
7-Classroom Space B133	FC5-B3	1,600	NA	NA	NA	NA	N	FC5-B3	698	NA	17	15.0	262	262	NA	N	☐	☐

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A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)*

CONDITIONED ZONE NAME	1. DESIGN AIR FLOWS: ID	HEATING / COOLING SYSTEM ID	OUTDOOR PRIMARY AIR FLOW (CFM)	OUTDOOR SECONDARY AIR FLOW (CFM)	OUTDOOR AIR FLOW PER UNIT AREA (CFM/ft²)	MAXIMUM OUTDOOR AIR FLOW (CFM)	MAXIMUM PRIMARY AIR FLOW (CFM)	MAXIMUM SECONDARY AIR FLOW (CFM)	DCV	2. VENTILATION (§ 120.1): VENT SYSTEM ID	CONDITIONED AREA (ft²)	MIN. VENT RATE PER AREA (CFM/ft²)	DESIGN MAX OCCUPANCY (Persons)	MIN. VENT RATE PER OCCUPANT (CFM/Person)	MIN. OUTDOOR AIR FLOW (CFM)	REQUIRED OUTDOOR AIR FLOW (CFM)	TRANSFER AIR/ROOM (CFM)	ZONE OUTDOOR AIR FLOW (CFM)	Confirmed Pass	Confirmed Fail
8-Instructor Rm B155	FC7-B13	300	NA	NA	NA	NA	N	FC7-B13	100	NA	1	30.0	15	15	NA	N	☐	☐
9-Instructor Rm B129	FC7-B14	300	NA	NA	NA	NA	N	FC7-B14	100	NA	1	30.0	15	15	NA	N	☐	☐
10-Classroom Space B154	FC5-B4	1,600	NA	NA	NA	NA	N	FC5-B4	734	NA	18	15.0	275	275	NA	N	☐	☐
11-Instructor Rm B152	FC7-B15	300	NA	NA	NA	NA	N	FC7-B15	98	NA	0	30.0	15	15	NA	N	☐	☐
12-Instructor Rm B155	FC7-B16	300	NA	NA	NA	NA	N	FC7-B16	98	NA	0	30.0	15	15	NA	N	☐	☐
13-Dummy Zone	FC6-B5	600	NA	NA	NA	NA	N	FC6-B5	10	NA	0	30.0	2	2	NA	N	☐	☐
14-Dummy Zone	FC6-B6	600	NA	NA	NA	NA	N	FC6-B6	10	NA	0	30.0	2	2	NA	N	☐	☐
15-Dummy Zone	FC6-B7	600	NA	NA	NA	NA	N	FC6-B7	10	NA	0	30.0	2	2	NA	N	☐	☐
16-Dummy Zone	FC6-B8	600	NA	NA	NA	NA	N	FC6-B8	10	NA	0	30.0	2	2	NA	N	☐	☐
17-IDF	FC8-B1	600	NA	NA	NA	NA	N	FC8-B1	64	NA	0	100.0	10	10	NA	N	☐	☐
18-Security Data Closet B150	FC8-B2	425	NA	NA	NA	NA	N	FC8-B2	71	NA	0	100.0	11	11	NA	N	☐	☐
19-MDF	FC8-B3	600	NA	NA	NA	NA	N	FC8-B3	65	NA	0	100.0	10	10	NA	N	☐	☐
20-Repair Bay B145	UH-B1 & UH-B2	620	NA	NA	NA	NA	N	UH-B1 & UH-B2	3,959	NA	20	30.0	594	594	NA	N	☐	☐
21-Repair Bay B141	UH-B3 & UH-B4	620	NA	NA	NA	NA	N	UH-B3 & UH-B4	3,160	NA	16	30.0	477	477	NA	N	☐	☐

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KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS EXP. 08/31/2017 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533
SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TITLE 24 - BLDG B

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET G204

C:\BIM\CLAYBANK VOCED_asalja@kitchell.com.rvt

LAST REVISION: 11/8/2016 5:04:31 PM

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A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)* — Confirmed: Pass ☐ Fail ☐

1. DESIGN AIR FLOWS								2. VENTILATION (§ 120.1)																
CONDITIONED ZONE NAME	HEATING / COOLING SYSTEM ID	DESIGN ZONE HEATING (SCFM)	DESIGN PRIMARY MINIMUM AIR FLOW FRACTION	DESIGN PRIMARY MINIMUM AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MINIMUM HEATING AIR FLOW (CFM)	MAXIMUM HEATING AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	ZONE OUTDOOR AIR FLOW (CFM)	VENTILATION M	CONDITIONED AREA (ft2)	MIN. VENT. RTE. AREA (CFM/ft2)	OCCUPANCY (#)	OCCUPANCY (#/1000 ft2)	REQ'D VENT. AIR FLOW (CFM)	DESIGN VENT. AIR FLOW (CFM)	TRANSFER AIR FLOW (CFM)	ECONOMIZER	Pass	Fail
22-Repair Bay B140	UH-B3 & UH-B6	620	NA	NA	NA	NA	NA	N	UH-B3 & UH-B6	3,189	NA	16	30.0	478	478	NA	N	☐	☐
23-Trade Bay B136	UH-B7 & UH-B8	800	NA	NA	NA	NA	NA	N	UH-B7 & UH-B8	3,176	NA	16	30.0	476	476	NA	N	☐	☐
24-Trade Bay B135	UH-B9 & UH-B10	800	NA	NA	NA	NA	NA	N	UH-B9 & UH-B10	2,504	NA	13	30.0	376	376	NA	N	☐	☐
25-Trade Bay B129	UH-B11 & UH-B12	620	NA	NA	NA	NA	NA	N	UH-B11 & UH-B12	2,130	NA	11	30.0	320	320	NA	N	☐	☐
26-Trade Bay B132	UH-B13 & UH-B14	620	NA	NA	NA	NA	NA	N	UH-B13 & UH-B14	2,141	NA	11	30.0	321	321	NA	N	☐	☐
27-Trade Bay B115	UH-B15 & UH-B16	620	NA	NA	NA	NA	NA	N	UH-B15 & UH-B16	2,160	NA	11	30.0	324	324	NA	N	☐	☐
									TOTAL	26,336		NA		NA	NA	NA		☐	☐

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4 — Confirmed: Pass ☐ Fail ☐

1.	2.	3.	4.		5.	6.	7.			8.			
System ID	System Type	Qty	Rated Capacity (kBtu/h)		Economizer	Zone Name	Airflow (cfm)			Fan			
			Heating	Cooling			Design	Min.	Min. Ratio	BHP	Cycles	ECM Motor	
Classroom Space B148S-TRM	Uncontrolled	1	NA	NA	NA	1-Classroom Space B148	1600	NA	NA	NA	NA	☐	☐ ☐

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B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4 — Confirmed: Pass ☐ Fail ☐

1.	2.	3.	4.		5.	6.	7.			8.			
System ID	System Type	Qty	Rated Capacity (kBtu/h)		Economizer	Zone Name	Airflow (cfm)			Fan			
			Heating	Cooling			Design	Min.	Min. Ratio	BHP	Cycles	ECM Motor	
Instructor Rm B14524-TRM	Uncontrolled	1	NA	NA	NA	2-Instructor Rm B145	300	NA	NA	NA	NA	☐	☐ ☐
Instructor Rm B14132-TRM	Uncontrolled	1	NA	NA	NA	3-Instructor Rm B141	300	NA	NA	NA	NA	☐	☐ ☐
Classroom Space B13818-TRM	Uncontrolled	1	NA	NA	NA	4-Classroom Space B138	1600	NA	NA	NA	NA	☐	☐ ☐
Instructor Rm B14040-TRM	Uncontrolled	1	NA	NA	NA	5-Instructor Rm B140	300	NA	NA	NA	NA	☐	☐ ☐
Instructor Rm B13655-TRM	Uncontrolled	1	NA	NA	NA	6-Instructor Rm B136	300	NA	NA	NA	NA	☐	☐ ☐
Classroom Space B13361-TRM	Uncontrolled	1	NA	NA	NA	7-Classroom Space B133	1600	NA	NA	NA	NA	☐	☐ ☐
Instructor Rm B13972-TRM	Uncontrolled	1	NA	NA	NA	8-Instructor Rm B135	300	NA	NA	NA	NA	☐	☐ ☐
Instructor Rm B12978-TRM	Uncontrolled	1	NA	NA	NA	9-Instructor Rm B129	300	NA	NA	NA	NA	☐	☐ ☐
Classroom Space B15484-TRM	Uncontrolled	1	NA	NA	NA	10-Classroom Space B154	1600	NA	NA	NA	NA	☐	☐ ☐
Instructor Rm B13295-TRM	Uncontrolled	1	NA	NA	NA	11-Instructor Rm B132	300	NA	NA	NA	NA	☐	☐ ☐
Instructor Rm B13501-TRM	Uncontrolled	1	NA	NA	NA	12-Instructor Rm B115	300	NA	NA	NA	NA	☐	☐ ☐
Dummy Zone108-TRM	Uncontrolled	1	NA	NA	NA	13-Dummy Zone	600	NA	NA	NA	NA	☐	☐ ☐
Dummy Zone113-TRM	Uncontrolled	1	NA	NA	NA	14-Dummy Zone	600	NA	NA	NA	NA	☐	☐ ☐
Dummy Zone118-TRM	Uncontrolled	1	NA	NA	NA	15-Dummy Zone	600	NA	NA	NA	NA	☐	☐ ☐
Dummy Zone123-TRM	Uncontrolled	1	NA	NA	NA	16-Dummy Zone	600	NA	NA	NA	NA	☐	☐ ☐
IDF129-TRM	Uncontrolled	1	NA	NA	NA	17-IDF	600	NA	NA	NA	NA	☐	☐ ☐

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B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY — § 140.4 — Confirmed: Pass ☐ Fail ☐

1.	2.	3.	4.		5.	6.	7.			8.			
System ID	System Type	Qty	Rated Capacity (kBtu/h)		Economizer	Zone Name	Airflow (cfm)			Fan			
			Heating	Cooling			Design	Min.	Min. Ratio	BHP	Cycles	ECM Motor	
Security Data Closet B150138-TRM	Uncontrolled	1	NA	NA	NA	18-Security Data Closet B150	425	NA	NA	NA	NA	☐	☐ ☐
MDF145-TRM	Uncontrolled	1	NA	NA	NA	19-MDF	600	NA	NA	NA	NA	☐	☐ ☐
Repair Bay B145155-TRM	Uncontrolled	2	NA	NA	NA	20-Repair Bay B145	620	NA	NA	NA	NA	☐	☐ ☐
Repair Bay B141175-TRM	Uncontrolled	2	NA	NA	NA	21-Repair Bay B141	620	NA	NA	NA	NA	☐	☐ ☐
Repair Bay B140188-TRM	Uncontrolled	2	NA	NA	NA	22-Repair Bay B140	620	NA	NA	NA	NA	☐	☐ ☐
Trade Bay B136204-TRM	Uncontrolled	2	NA	NA	NA	23-Trade Bay B136	800	NA	NA	NA	NA	☐	☐ ☐
Trade Bay B135255-TRM	Uncontrolled	2	NA	NA	NA	24-Trade Bay B135	800	NA	NA	NA	NA	☐	☐ ☐
Trade Bay B129334-TRM	Uncontrolled	2	NA	NA	NA	25-Trade Bay B129	620	NA	NA	NA	NA	☐	☐ ☐
Trade Bay B132248-TRM	Uncontrolled	2	NA	NA	NA	26-Trade Bay B132	620	NA	NA	NA	NA	☐	☐ ☐
Trade Bay B115262-TRM	Uncontrolled	2	NA	NA	NA	27-Trade Bay B115	620	NA	NA	NA	NA	☐	☐ ☐

C. EXHAUST FAN SUMMARY

This Section Does Not Apply

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G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed	
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valves Isolation	Supply Water Temp. Reset	Pipe Control Valve	Auto Demand Shed Control	PDFD for DX Units	Auto Zone Shut Off & Damper	Dist. Energy Storage DX AC	TES Systems	Supply Air Temp. Reset	Condenser Water Reset Controls	ECMS	Pass	Fail
FC7-B11	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC7-B12	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-B3	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC7-B13	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC7-B14	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-B4	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC7-B15	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC7-B16	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC6-B5	1	X	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC6-B6	1	X	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC6-B7	1	X	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC6-B8	1	X	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-B1	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-B2	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-B3	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
UH-B1 & UH-B2	2	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐

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G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed	
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valves Isolation	Supply Water Temp. Reset	Pipe Control Valve	Auto Demand Shed Control	PDFD for DX Units	Auto Zone Shut Off & Damper	Dist. Energy Storage DX AC	TES Systems	Supply Air Temp. Reset	Condenser Water Reset Controls	ECMS	Pass	Fail
UH-B3 & UH-B4	2	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
UH-B5 & UH-B6	2	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
UH-B7 & UH-B8	2	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
UH-B9 & UH-B10	2	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
UH-B11 & UH-B12	2	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
UH-B13 & UH-B14	2	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
UH-B15 & UH-B16	2	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐

H. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

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NRCC-PRF-LTI-DETAILS -SECTION START-

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) — § 140.6

Lighting Control Credits Schedule (Includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)

Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Control Credit Calculation			∀ If Acceptance Test Required	Confirmed	
				Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts		Pass	Fail
S-1-Classroom Space B148	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1		0.25	87	X	☐	☐
S-1-Classroom Space B148	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1		0.25	10	X	☐	☐
S-2-Instructor Rm B145	Office (250 square feet in floor area or less)	PartialOnOccupantSensingControl	1		0.20	15	X	☐	☐
S-3-Instructor Rm B141	Office (250 square feet in floor area or less)	PartialOnOccupantSensingControl	1		0.20	15	X	☐	☐
S-4-Classroom Space B138	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1		0.25	87	X	☐	☐
S-4-Classroom Space B138	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1		0.25	8	X	☐	☐
S-5-Instructor Rm B140	Office (250 square feet in floor area or less)	PartialOnOccupantSensingControl	1		0.20	15	X	☐	☐
S-6-Instructor Rm B136	Office (250 square feet in floor area or less)	PartialOnOccupantSensingControl	1		0.20	15	X	☐	☐
S-7-Classroom Space B133	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1		0.25	87	X	☐	☐
S-7-Classroom Space B133	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1		0.25	16	X	☐	☐
S-8-Instructor Rm B135	Office (250 square feet in floor area or less)	PartialOnOccupantSensingControl	1		0.20	15	X	☐	☐
S-9-Instructor Rm B129	Office (250 square feet in floor area or less)	PartialOnOccupantSensingControl	1		0.20	15	X	☐	☐
S-10-Classroom Space B154	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1		0.25	87	X	☐	☐

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A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) — § 140.6

Lighting Control Credits Schedule (Includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)

Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Control Credit Calculation			∀ If Acceptance Test Required	Confirmed	
				Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts		Pass	Fail
S-13-Classroom Space B154	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1		0.25	10	X	☐	☐
S-11-Instructor Rm B150	Office (250 square feet in floor area or less)	PartialOnOccupantSensingControl	1		0.20	15	X	☐	☐
S-12-Instructor Rm B155	Office (250 square feet in floor area or less)	PartialOnOccupantSensingControl	1		0.20	15	X	☐	☐
S-17-IDF	Electrical, Mechanical, Telephone Rooms	PartialOnOccupantSensingControl	1		0.20	6	X	☐	☐
S-18-Security Data Closet B150	Electrical, Mechanical, Telephone Rooms	- none specified -	1		0.00	0		☐	☐
S-19-MDF	Electrical, Mechanical, Telephone Rooms	- none specified -	1		0.00	0		☐	☐
S-20-Repair Bay B145	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-20-Repair Bay B145	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-21-Repair Bay B141	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-21-Repair Bay B141	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-22-Repair Bay B140	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-22-Repair Bay B140	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-23-Trade Bay B136	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-23-Trade Bay B136	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐

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A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) — § 140.6

Lighting Control Credits Schedule (Includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A)

Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Control Credit Calculation			∀ If Acceptance Test Required	Confirmed	
				Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts		Pass	Fail
S-24-Trade Bay B135	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-24-Trade Bay B135	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-25-Trade Bay B129	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-25-Trade Bay B129	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-26-Trade Bay B132	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-26-Trade Bay B132	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-27-Trade Bay B115	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐
S-27-Trade Bay B115	General Commercial and Industrial Work Areas, High Bay	- none specified -	1		0.00	0		☐	☐

B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E) — § 130.1

This Section Does Not Apply

§130.1(a) = Manual area controls, §130.1(b) = Multi-Level, §130.1(c) = Auto Shut-Off, §130.1(d) = Mandatory Daylight, §130.1(e) = Demand Responsive

C. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E) — § 140.6

General lighting power (see Table D)	0
General lighting power from special function areas (see Table E)	NA
Additional "use it or lose it" (See Table G)	0
Total watts	0

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D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E) — § 140.6-D

This Section Does Not Apply

E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E) — § 140.6(c) 3H

Room Number	Primary Function Area	Illuminance Value (LUX)	Room Cavity Ratio (Table G)	Allowed LPD	Floor Area (ft²)	Allowed Watts	Confirmed Pass	Confirmed Fail
NA	NA	NA	NA	NA	NA	NA	☐	☐

Note: Tailored Method per Special Function Areas is not currently implemented

F. ROOM CAVITY RATIO (Adapted from NRCC-LTI-04-E)

Rectangular Spaces							
Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Confirmed Pass	Confirmed Fail
NA	NA	NA	NA	NA	NA	☐	☐

Non-Rectangular Spaces

This Section Does Not Apply

Note: All applicable spaces are to be listed under the Spec Rectangular Spaces table

G. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCC-LTI-04-E)

1. Wall Display	2. Combined Floor Display and Task Lighting	3. Combined Ornamental and Special Effects Lighting	4. Very Valuable Merchandise	Allowed Watts	Confirmed Pass	Confirmed Fail
0	0	0	0	0	☐	☐

5. Wall Display

This Section Does Not Apply

6. Floor Display and Task Lighting

This Section Does Not Apply

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7. Combined Ornamental and Special Effects Lighting

This Section Does Not Apply

8. Very Valuable Merchandise

This Section Does Not Apply

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI-01-E and NRCC-LTO-01-E) — § 130.4

Declaration of Required Acceptance Certificates (NRCA) –Acceptance Certificates that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		Indoor			Outdoor		Confirmed	
		NRCA-LTI-02-A	NRCA-LTI-03-A	NRCA-LTI-04-A	NRCA-LTO-02-A			
Equipment Requiring Testing or Verification	# of units	Occ Sensors / Auto Time Switch	Auto Daylight	Demand Responsive	Outdoor Controls		Pass	Fail
Occupant Sensors	0	☐	☐	☐	☐		☐	☐
Automatic Time Switch	0	☐	☐	☐	☐		☐	☐
Automatic Daylighting	0	☐	☐	☐	☐		☐	☐
Demand Responsive	0	☐	☐	☐	☐		☐	☐
Outdoor Controls	0	☐	☐	☐	☐		☐	☐

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D. DHW EQUIPMENT SUMMARY *– (Adapted from NRCC-PLB-01)* — § 110.3 — Confirmed: Pass ☐ Fail ☐

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
DHW Name	Fuel	Type	Qty	Distribution Type	Rated Input kBtu/h	Efficiency	Pilot Energy (Btu/h)	External Tank Insulation	Vol	Standby Loss	Vol. of Suppl. Storage Tank
A.O.Smith Water Products52	Gas	Storage	1	Nonrecirculating	300	Thrmd. Eff.: 0.960	0	NA	119	0.0176	NA

E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-01)

This Section Does Not Apply

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* — § RA4

Declaration of Roqeired Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed	
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Valves Isolation	Supply Water Temp. Reset	Pipe Control Valve	Auto Demand Shed Control	PDFD for DX Units	Auto Zone Shut Off & Damper	Dist. Energy Storage DX AC	TES Systems	Supply Air Temp. Reset	Condenser Water Reset Controls	ECMS	Pass	Fail
FC5-B1	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
FC5-B2	1	X	X	--	--	--	--	--	--	--

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: Solano County SB 1022 Classroom and Vocational Training Center	Date Prepared: 06/14/16

A. General Information

Project Address: 2500 Claybank Rd. Fairfield,CA 94533		Total Illuminated Hardscape Area: 74,570 sqft.	
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

B. 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

C. Summary of Allowed Outdoor Lighting Power

			Watts
1.	**Sum Total ALLOWED** Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	=	9,415
	Complies ONLY if **Installed ≤ Allowed**		
2.	**Sum Total INSTALLED** Outdoor lighting Wattage from NRCC-LTO-01-E, page 3		1,857

D. 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

E. 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

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: Solano County SB 1022 Classroom and Vocational Training Center	Date Prepared: 06/14/16

F. 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

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

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

H. 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

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 05/15) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: Solano County SB 1022 Classroom and Vocational Training Center	Date Prepared: 06/14/16

I. 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	
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	How wattage was determined: OEC Default Table (see §130.0(c))	How wattage was determined: Ballast/Driver Marking (§130.0(c))	Number of Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaire are installed	Ballast Rating	Pass	Fail
L	POLE MOUNTED LED w/ TYPE 4 OPTICS	137	☐	☐	3	411	PARKING		☐	☐
L1	POLE MOUNTED LED w/ TYPE 5 OPTICS	188	☐	☐	1	188	PARKING		☐	☐
W	WALL SCONCE (70 LED)	74	☐	☐	10	740	BUILDING PERIMETER		☐	☐
W1	WALL SCONCE (20 LED) w/ TYPE 3 OPTICS	74	☐	☐	2	148	BUILDING PERIMETER		☐	☐
W2	WALL SCONCE (20 LED) w/ TYPE 4 OPTICS	74	☐	☐	1	74	BUILDING PERIMETER		☐	☐
W4	WALL SCONCE (20 LED) w/ FOR-THROW OPTICS	74	☐	☐	2	148	BUILDING PERIMETER		☐	☐
W5	WALL SCONCE (6 LED) w/ TYPE 2 OPTICS	74	☐	☐	2	148	BUILDING PERIMETER		☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐		

CIVIL ABBREVIATIONS

SYMBOL	AND AT DESCRIPTION
@	AT
AB	ANCHOR BOLT, AGGREGATE BASE
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
ACI	AMERICAN CONCRETE INSTITUTE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
APPROX	APPROXIMATE
APVD	APPROVED
ARCH	ARCHITECTURAL
ARV	AIR RELEASE VALVE
ASPH	ASPHALT
AUTO	AUTOMATIC
AUX	AUXILIARY
BC	BEGIN CURVE
BF	BLIND FLANGE, BOTTOM FACE
BFC	BACK FACE OF CURB
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BM	BENCH MARK, BEAM
BO	BLOW OFF
BS	BOTTOM OF SWALE
BTWN	BETWEEN
BVC	BEGINNING OF VERTICAL CURVE
BW	BARBED WIRE, BOTTOM OF WALL
C	CHANNEL (BEAM), COMPACT
CALTRANS	CALIFORNIA DEPARTMENT OF TRANSPORTATION
CASQA	CALIFORNIA STORMWATER QUALITY ASSOCIATION
CB	CATCH BASIN
CDCR	CALIFORNIA DEPARTMENT OF CORRECTIONS & REHABILITATION
CDF	CONTROL DENSITY FILL
CG	CHLORINE GAS
CI	CURB INLET
CIMJ	CAST IRON MECHANICAL JOINT
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
CLR	CLEARANCE
CL℄	CENTERLINE
CMIS	CORRECTIONAL MANAGEMENT INFORMATION SYSTEM
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COR	CORNER
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
COTG	CLEANOUT TO GRADE
CPLG	COUPLING
CPVC	CHLORINATED POLYVINYL CHLORIDE
CSP	CORRUGATED STEEL PIPE
CTD	CENTERED
CTR	CENTER
C TO C	CENTER TO CENTER
CU	CUBIC
CU FT	CUBIC FOOT
CU IN	CUBIC INCH
CU YD, CY	CUBIC YARD
CW	COLD WATER
CV	CHECK VALUE
°C	DEGREE CELSIUS
d	PENNY (NAIL SIZE)
DB	DISTRIBUTION BOX
DBA	DEFORMED BAR ANCHOR
DDCV	DOUBLE DETECTOR CHECK VALUE
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DI	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIMJ	DUCTILE IRON MECHANICAL JOINT
DIP	DUCTILE IRON PIPE
DIPGL	DUCTILE IRON PIPE GLASS LINED
DL	DEAD LOAD
DIR	DIRECTION
DN	DOWN
DW	DOMESTIC WATER
DWG	DRAWING
E580000	EASTING (COORDINATE)
E	ELECTRICAL, EAST
(E)	EXISTING
EA	EACH
EC	END CURVE
ECC	ECCENTRIC
EF	EACH FACE
EJ	EXPANSION JOINT
EL, ELEV	ELEVATION
ELB, ELL	ELBOW
ELEC	ELECTRIC, ELECTRICAL
ENGR	ENGINEER
EP	EDGE OF PAVEMENT
EQPT	EQUIPMENT
EVC	END OF VERTICAL CURVE
EW	EACH WAY
EXP	EXPOSED, EXPANSION
EXP JT	EXPANSION JOINT
EXST, EXIST, (E)	EXISTING
EG	EXISTING GRADE
EQ	EQUAL

SYMBOL	DESCRIPTION
FB	FACE OF BLOCK
FDN	FOUNDATION
FES	FLARED END SECTION
FF	FINISH FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FIG	FIGURE
FL	FLOW LINE
FNSH	FINISH
FM	FORCE MAIN
FT	FOOT OR FEET
FTG	FOOTING
FW	FIRE WATER
FWD	FORWARD
°F	DEGREE FAHRENHEIT
G	NATURAL GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GVL	GRAVEL
HB	HOSEBIB
HORIZ	HORIZONTAL
HP	HIGH POINT, HORSEPOWER
HR	HANDRAIL
HT	HEIGHT
HW	HOT WATER
HWS&R	HOT WATER SUPPLY & RETURN
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
INV	INVERT
IRR	IRRIGATION
JT	JOINT
KIP	THOUSAND POUNDS
KW	KILOWATT
L	LEFT, ANGLE, LENGTH, LINED
LB	POUNDS
LB/CU FT	POUNDS PER CUBIC FOOT
LDG	LANDING
LF	LINEAR FEET
LL	LIVE LOAD
LOC	LOCATE, LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LPG	LIQUEFIED PETROLEUM GAS
LR	LONG RADIUS
LT	LEFT
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MOC	MIDDLE OF CURVE
N	NORTH
(N)	NEW
N200000	NORTHING (COORDINATE)
NIC	NOT IN CONTRACT
NO	NUMBER, NUMBERING
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OC	ON CENTER
OCPI	OPEN CONCRETE PIPE INLET
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OZ	OUNCE
O/H	OVERHEAD
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVATURE, PORTLAND CEMENT CONCRETE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PLATE (STEEL)
PLYWD	PLYWOOD
POC	POINT OF CONNECTION
POT	POINT OF TANGENCY
PP	POWER POLE
PR	PAIR
PRC	POINT OF REVERSE CURVATURE
PRCST	PRE CAST
PREFAB	PREFABRICATED
PRESS	PRESSURE
PRI	PRIMARY
PRV	PRESSURE REDUCING VALVE
P/L	PROPERTY LINE
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH, GAUGE
PG&E	PACIFIC GAS & ELECTRIC
PT	POINT OF TANGENCY, POINT
PVC	POLYVINYL CHLORIDE PLASTIC
PVI	POINT OF VERTICAL INTERSECTION

SYMBOL	DESCRIPTION
R, RAD	RETURN, RADIUS, RIDGE LINE
RCPP	REINFORCED CONCRETE PRESSURE PIPE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD, ROOF DRAIN
RDCR	REDUCER
RDW	REDWOOD
REINF	REINFORCE(D), REINFORCING
REQD	REQUIRED
RW,ROW	RIGHT-OF-WAY
RT	RIGHT
RW	RECLAIMED WATER
S	SLOPE, SOUTH, STANDARD
SAD	SEE ARCHITECTURAL DRAWINGS
SCHED	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SHT	SHEET
SIM	SIMILAR
SLB	CONC SLAB
SLP	SLOPE
SPEC	SPECIFICATIONS
SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
SMD	SEE MECHANICAL DRAWINGS
SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
SQ	SQUARE
SQ FT, SF	SQUARE FOOT
SQ IN	SQUARE INCH
SS	SANITARY SEWER
SSD	SEE STRUCTURAL DRAWINGS
SSMH	SANITARY SEWER MANHOLE
SST	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL, STEEL PIPE
STR	STRAIGHT
STRUCT	STRUCTURE
SW	SIDEWALK
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
SYMM	SYMMETRICAL
T	TANGENT
T&B	TOP AND BOTTOM
TC	TOP OF CURB
TEL	TELEPHONE
TEMP	TEMPORARY
T&G	TONGUE AND GROOVE
THK	THICK
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TP	TOP OF PAVEMENT
TRANSV	TRANSVERSE
TS	TOP OF SWALE
TW	TOP OF WALL
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VENT, VOLT, VALVE
VAC	VACUUM
VC	VERTICAL
VOC ED	VOCATIONAL EDUCATION
VPI	VERTICAL POINT OF INTERSECTION
VCP	VITRIFIED CLAY PIPE
W/	WITH
W/O	WITHOUT
W	WIDE FLANGE (BEAM), WEST, WATER
WSP	WELDED STEEL PIPE
WTR	WATER
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
WV	WATER VALVE
XFMR	TRANSFORMER
YD	YARD
□	SQUARE
Ø	ROUND, DIAMETER
∠	ANGLE
△	DELTA (CURVE DESIGNATIONS)

NOTES:
1. THIS IS A STANDARD ABBREVIATION SHEET. SOME SYMBOLS AND ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT ON THE PLANS.

CIVIL MATERIALS

SYMBOL	DESCRIPTION
	LANDSCAPING
	ASPHALT CONCRETE
	CONCRETE
	EARTH
	AGGREGATE
	ROCK SLOPE PROTECTION
	LIME TREATMENT AREA
	REMOVE EXISTING / SURFACE IMPROVEMENTS
	BIOSWALE / WATER TREATMENT AREA

CIVIL SYMBOLS (SCREENED IF EXISTING)

SYMBOL	DESCRIPTION
	CHAIN LINK FENCE
	SINGLE LEAF SWING GATE
	DOUBLE LEAF SWING GATE
	SLIDING GATE
	BIOSWALE/WATER TREATMENT AREA BOUNDARY
	PROPERTY LINE / RIGHT OF WAY
2	LIMIT OF WORK
	CLEARING LIMITS
	LIMITS OF OVEREXCAVATION (PER STRUCTURAL)
1000	CONTOUR
	DRAINAGE SWALE / SURFACE FLOWLINE
	TOP OF SLOPE LINE (OPEN IF EXISTING)
R	RIDGE LINE
S1 2	SANITARY SEWER
SD	STORM DRAIN
SUB	SUB DRAIN
D	DRAIN LINE
F1 2	FIRE WATER SERVICE
G1	GAS PIPELINE
O/H	OVERHEAD UTILITY LINES
HWS&R	HOT WATER SUPPLY & RETURN
IRR	IRRIGATION
W1	WATER SERVICE
E1	ELECTRIC SERVICE
C1 2	COMMUNICATIONS
	CAPPED OR PLUGGED PIPE STUB FOR FUTURE EXTENSION

DESCRIPTION	SYMBOL
NORTH ARROW	N
MATCH LINE	1 / A101A; 1 / A101B
VIEW NUMBER / SHEET NUMBER	
SHADED PORTION IS SIDE CONSIDERED	
CIVIL SECTION	X; XXXX
SECTION IDENTIFIER	
SHEET NUMBER	
VIEW REFERENCE	X; XXXX
VIEW NUMBER	
SHEET NUMBER	
SURVEY CONTROL POINT	
SPOT ELEVATION	+ 740.00
GRADE SLOPE W/ APPROX. SLOPE PERCENTAGE	X.X %
OVERHEAD UTILITY POLE	
OVERHEAD UTILITY POLE W/ GUY ANCHOR	
STREET LIGHT	
FIRE DEPT CONNECTION	
FIRE HYDRANT	
WATER METER	M
QUICK COUPLING VALVE	
CATCH BASIN	CB
STORM DRAIN MANHOLE/STRUCTURE	SDMH
BACKFLOW PREVENTER	
DOUBLE DETECTOR CHECK VALVE	
POINT OF CONNECTION	
SEWER MANHOLE	Ⓢ
CLEANOUT	CO
BOLLARD	
TREE (TO REMAIN)	
TREE (TO BE REMOVED)	

KITCHELL
Capital Expenditure Managers
2750 Gateway Oaks Drive
Suite 300
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER — DOUGLAS A. HOMBERGER — No. C 49970 Exp. 12/31/2017 — CIVIL — STATE OF CALIFORNIA

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAYBANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CIVIL ABBREVIATIONS, SYMBOLS & NOTES

SCALE: 0 1/2 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
3	Addendum #3	2/21/17
2		
1		
0		

JOB NO. 4907A3
DATE 11/9/2016
SHEET C001

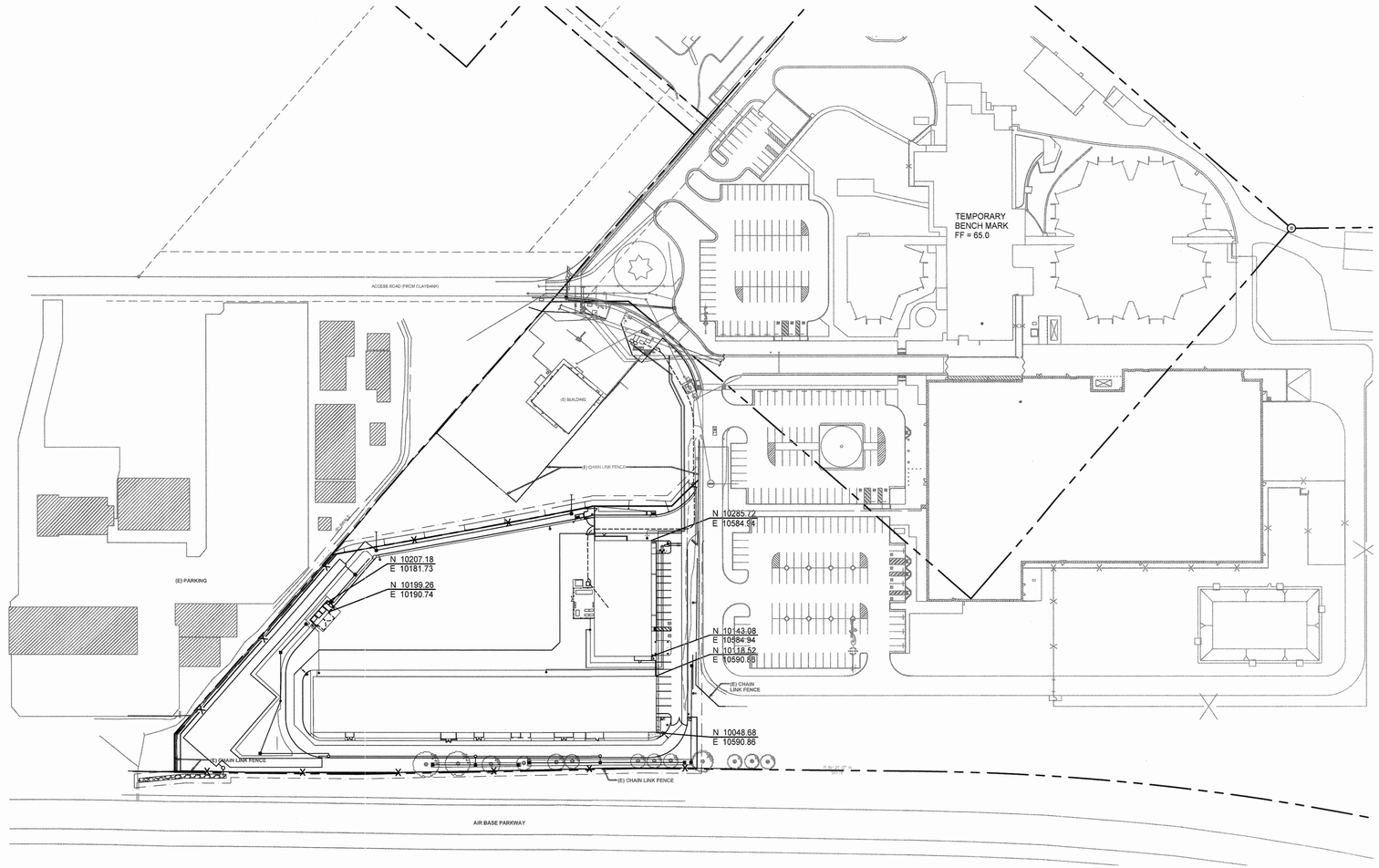
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Addendum 3

10/14/2016 7:39:09 AM

BASIS OF BEARINGS:
COUNTY OF SOLANO PARCEL MAP RECORDED AUGUST 13, 1979, IN BOOK 18 OF PARCEL MAPS AT PAGE 73, SOLANO COUNTY RECORDS.

TEMPORARY BENCH MARK:
ASSUMED ELEVATION ON THE FINISHED FLOOR OF THE MAIN ADMINISTRATION BUILDING AS SHOWN ON SHEET A4 OF THE PLANS OF THE SENTENCED DETENTION FACILITY DATED AUGUST 1, 1977. ELEV. 65.0 (FIELD VERIFY).

NOTES:
ALL DIMENSIONS SHOWN ARE IN FEET AND DECIMALS THEREOF.



1 CIVIL HORIZONTAL CONTROL PLAN

0 40 80 160 N
1" = 80

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REGISTERED PROFESSIONAL ENGINEER
JOSHUA J. [illegible]
No. C-[illegible]
Exp. 12/31/2017
CIVIL
STATE OF CALIFORNIA

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
Reviewed by
Chris Fowler, DSFM III Specialist
DEC 11 2016
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAYBANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

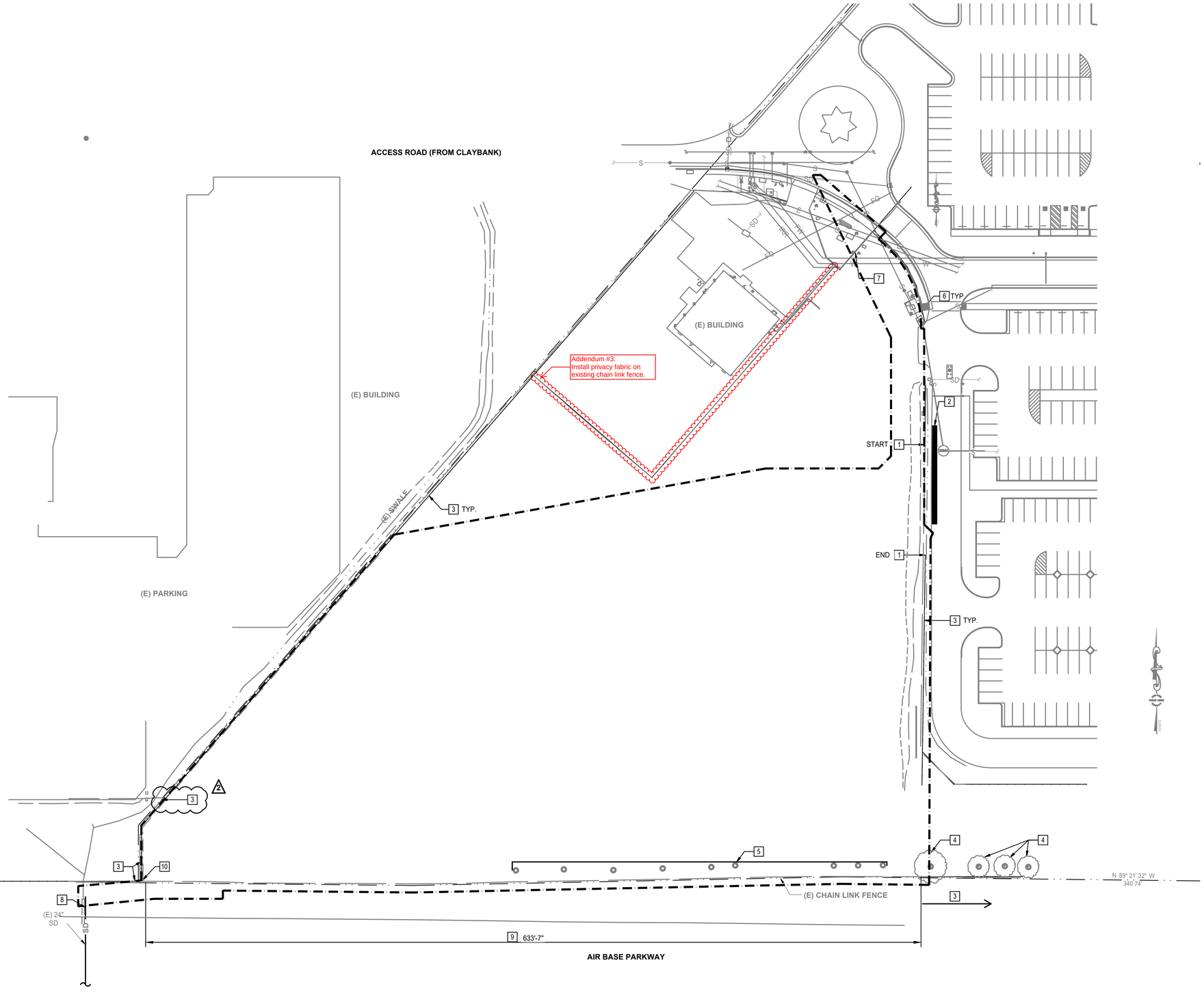
SHEET TITLE:
CIVIL HORIZONTAL CONTROL PLAN

SCALE: 0 1/2" BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET C100



1 CIVIL DEMOLITION PLAN

0 20 40 80
1" = 40

N

CONSTRUCTION NOTES:

1. CLEARING AREAS ARE LIMITED TO THE LIMITS SHOWN. THE REMAINDER OF THE SITE SHALL NOT BE CLEARED WITHOUT THE APPROVAL OF THE COUNTY.
2. CLEAR AREAS (PER NOTE #1) OF TREES, SHRUBS, AND OTHER VEGETATION, (EXCEPT FOR THOSE INDICATED TO REMAIN). CLEARING AND GRUBBING SHALL CONSIST OF CLEARING THE AREA WITHIN THE LIMIT OF WORK OF ALL OBJECTIONABLE PLANT MATERIAL, TO INCLUDE ROOTS, SNAGS, BRUSH, GRASS, WEEDS, AND SIMILAR UNDESIRABLE VEGETATION AND ANY OTHER DEBRIS FOUND AT THE SITE NOT SPECIFIED AS IMPROVEMENTS TO BE INCLUDED AS PART OF THIS PROJECT. ALL SUCH MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN AN ACCEPTABLE MANNER, AT NO COST TO THE COUNTY.
3. IN ADDITION TO CLEARING (AREAS NOTED PER NOTE #1), THE AREAS SHALL BE GRUBBED TO A DEPTH OF 6 INCHES BELOW FINISH GRADE, OF DEBRIS AND ROCKS OVER 4 INCHES IN SIZE. SAID MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LOCATION ACCEPTABLE TO THE OWNER, AT NO COST TO THE COUNTY.
4. A TREE SURVEY WAS NOT PREPARED FOR THIS SUBMITTAL; TREE LOCATIONS AND QUANTITY ARE ASSUMED FROM THE SITE TOPOGRAPHIC INFORMATION (PROVIDED BY OTHERS). CONTRACTOR SHALL COORDINATE WITH THE COUNTY WITH REGARDS TO TREE PRESERVATION AND/OR REMOVAL, PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION ACTIVITIES, AT NO COST TO THE COUNTY.
5. DISPOSE OF TRASH, DEMOLISHED MATERIAL, AND DEBRIS AT APPROVED LANDFILL SITES. BURNING IS NOT PERMITTED.

DEMOLITION KEYNOTES:

1. DEMOLISH AND REMOVE EXISTING FENCE, POSTS, AND FOUNDATIONS.
2. SAWCUT AND REMOVE 2 FEET OF ASPHALT PAVING ADJACENT TO NEW SITE ENTRANCE PAVING CONSTRUCTION - APPROX. 320 SF.
3. PROTECT (E) FENCE IN PLACE.
4. PROTECT (E) TREES IN PLACE. INSTALL 5-FOOT HIGH PROTECTIVE FENCING AT DRIPLINE.
5. REMOVE TREE STUMP.
6. PROTECT (E) UTILITIES IN PLACE.
7. TEMPORARILY REMOVE FENCE CHAIN LINK FABRIC AS REQUIRED FOR CONSTRUCTION ACTIVITIES ADJACENT TO THE FENCE. PROTECT (E) FABRIC FOR REINSTALLATION FOLLOWING COMPLETION OF WORK.
8. PROTECT (E) STORM DRAIN LINE IN PLACE.
9. DEMOLISH AND REMOVE (E) CHAIN LINK FENCE ALONG CITY ROW.
10. PROTECT CORNER POST IN PLACE AS NOTED (@ END OF FENCE DEMO).

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REGISTERED PROFESSIONAL ENGINEER
DONOVAN A. AY
No.: C 70970
Exp.: 12/31/2017
CIVIL
STATE OF CALIFORNIA

SOLANO COUNTY SB 1022 CLASSROOM
AND VOCATIONAL TRAINING
2500 CLAYBANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CIVIL DEMOLITION PLAN

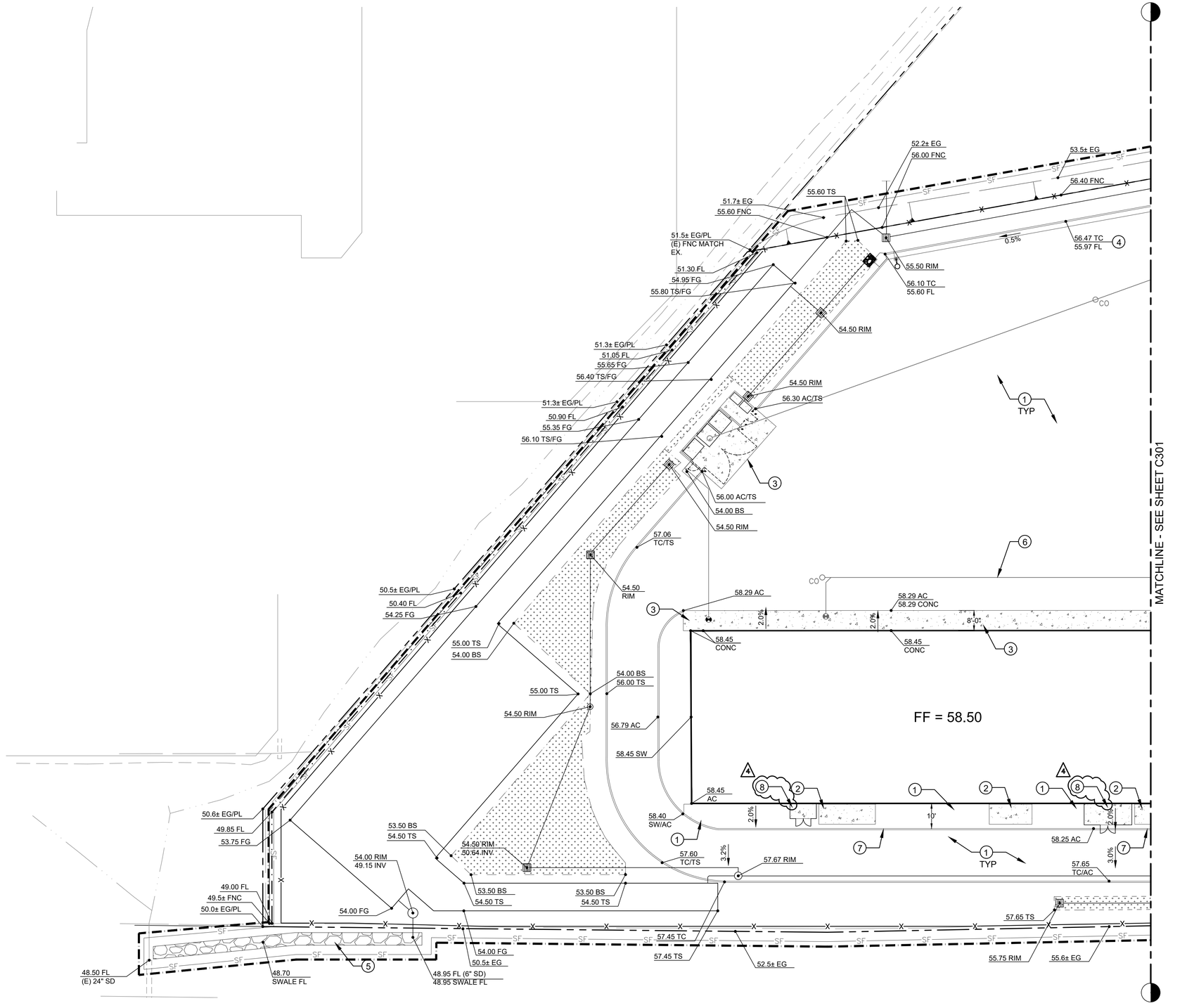
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REVISIONS

No.	Description	Date
2	Addendum #3	2/21/17

JOB NO. 4907A3
DATE 11/9/2016
SHEET C200

Addendum 3



1 CIVIL GRADING AND DRAINAGE PLAN

0 10 20 40
1" = 20

N

GENERAL NOTES:

1 LIME TREATMENT SHALL BE PERFORMED ON THE ENTIRE "STRUCTURAL AREA," INCLUDING THE BUILDING FOOTPRINTS EXTERIOR CONCRETE FLAT WORK, ASPHALT, PAVED ROADWAY, AND "TRUCK PAD" TO A DEPTH OF 18", PER PROJECT GEOTECHNICAL REPORT. MINIMUM 5% HIGH-CALCIUM LIME BY WEIGHT TO BE MIXED WITH ON-SITE SOILS.

2 LIME TREATMENT SHALL EXTEND 3' BEYOND THE LIMITS OF THE BUILDING UNDER ALL STRUCTURES, SIDEWALKS, CONCRETE EQUIPMENT PADS, AND ROADWAY PAVING, TO A DEPTH OF 18". EXTEND LIME TREATMENT SO THAT IT IS UNIFORMLY SUPPORTED. AREAS TO BE LANDSCAPED ADJACENT TO HARDSCAPE WILL NEED TO BE OVER EXCAVATED AND THE LIME TREATED SOILS REPLACED WITH UNTREATED SOILS. MINIMUM 5% HIGH-CALCIUM LIME BY WEIGHT TO BE MIXED WITH ON-SITE SOILS.

3 INSTALL TRUNCATED DOMES PER LOCATIONS NOTED ON ARCHITECTURAL DRAWINGS.

CONSTRUCTION KEY NOTES:

(1) INSTALL ASPHALT PAVEMENT, 4" AC OVER 7" AB. SUBGRADE PER DETAIL 1, SHEET C302.

(2) INSTALL PEDESTRIAN CONCRETE, 4" PCC OVER 4" CLASS II AB PER DETAIL 2, SHEET C302.

(3) INSTALL VEHICULAR CONCRETE PAVEMENT, 6" PCC OVER 4" CLASS II AB PER DETAIL 3, SHEET C302.

(4) INSTALL VERTICAL CONCRETE CURB (0" TO 6" FACE, VARIES PER LOCATION) AT LOCATIONS SHOWN AND ISLANDS PER DETAIL 4, SHEET C302.

(5) INSTALL ROCK SLOPE PROTECTION PER SPECIFICATIONS, MIN. 12" DEPTH.

(6) PROPOSED SEWER LINE. SEE SHEET C400 FOR DETAILED INFORMATION.

(7) PAINTED STRIPE FOR FIRE LANE. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

(8) SEE STRUCTURAL PLANS.

4

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JOSHUA A. [illegible]
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SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CIVIL SITE GRADING AND DRAINAGE PLAN - 1 OF 2

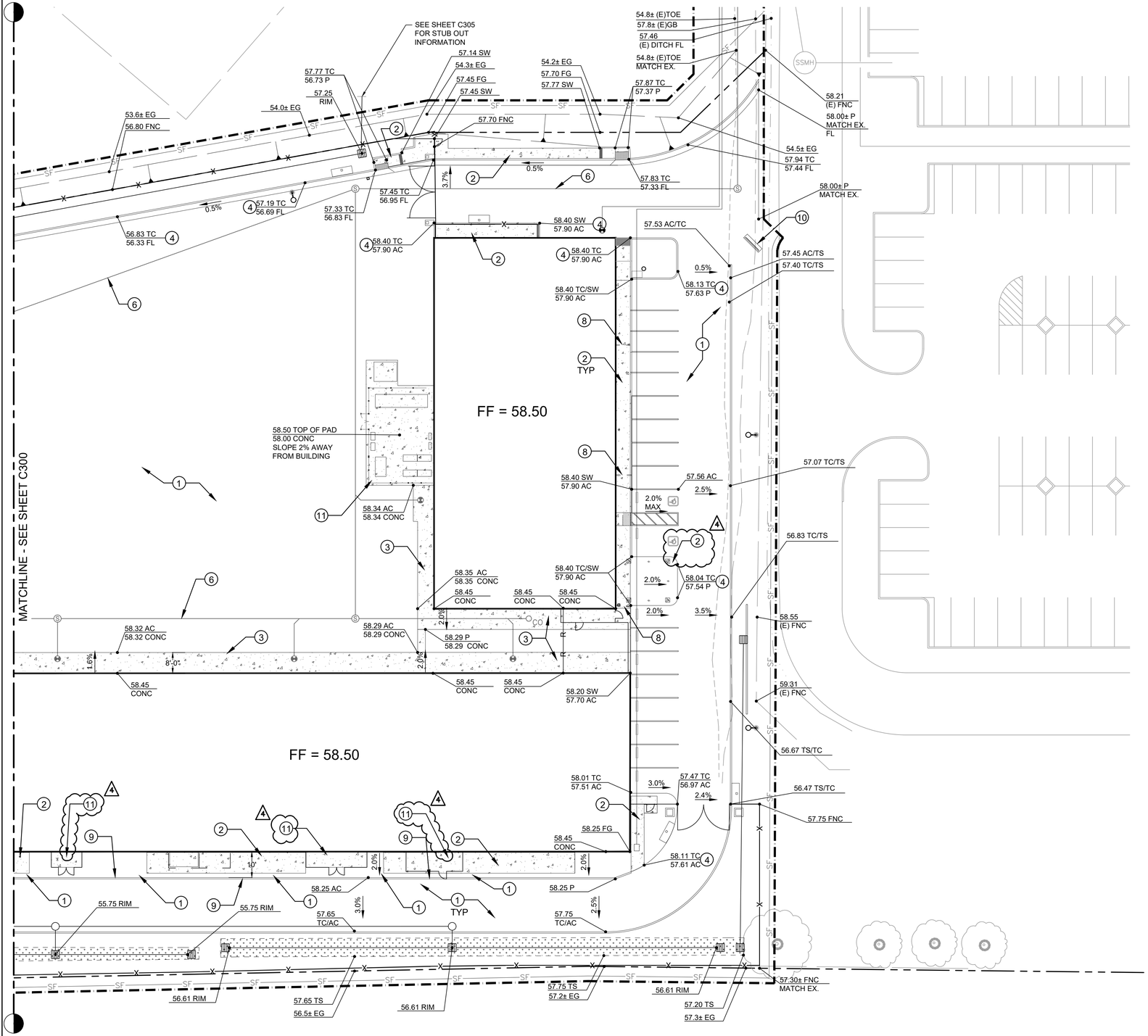
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REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2	ADDENDUM #2	2/10/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET C300

Addendum 6



1 CIVIL GRADING AND DRAINAGE PLAN

0 10 20 40 N
1" = 20

GENERAL NOTES:

1 LIME TREATMENT SHALL BE PERFORMED ON THE ENTIRE "STRUCTURAL AREA," INCLUDING THE BUILDING FOOTPRINTS EXTERIOR CONCRETE FLAT WORK, ASPHALT, PAVED ROADWAY, AND "TRUCK PAD". MINIMUM 5% HIGH-CALCIUM LIME BY WEIGHT TO BE MIXED WITH ON-SITE SOILS.

2 LIME TREATMENT SHALL EXTEND AT LEAST 3' BEYOND THE LIMITS OF THE BUILDING OR EXTEND SLABS / DRIVEWAYS SO THAT THE OVERLAYING STRUCTURE IS UNIFORMLY SUPPORTED ON THE IMPROVED SOILS. AREAS TO BE LANDSCAPED ADJACENT TO HARDSCAPE WILL NEED TO BE OVEREXCAVATED AND LIME TREATED SOILS REPLACED WITH UNTREATED SOILS. MINIMUM 5% HIGH-CALCIUM LIME BY WEIGHT TO BE MIXED WITH ON-SITE SOILS.

3 INSTALL TRUNCATED DOMES PER LOCATIONS NOTED ON ARCHITECTURAL DRAWINGS.

CONSTRUCTION KEY NOTES:

(1) INSTALL ASPHALT PAVEMENT, 4" AC OVER 7" AB PER DETAIL 1, SHEET C302.

(2) INSTALL PEDESTRIAN CONCRETE, 4" PCC OVER 4" CLASS II AB PER DETAIL 2, SHEET C302.

(3) INSTALL VEHICULAR CONCRETE PAVEMENT, 6" PCC OVER 4" CLASS II AB PER DETAIL 3, SHEET C302.

(4) INSTALL VERTICAL CONCRETE CURB (0" TO 6" FACE, VARIES PER LOCATION) AT LOCATIONS SHOWN AND ISLANDS PER DETAIL 4, SHEET C302

(5) INSTALL ROCK SLOPE PROTECTION PER SPECIFICATIONS, MIN. 12" DEPTH.

(6) PROPOSED SEWER LINE. SEE SHEET C401 FOR DETAILED INFORMATION.

(7) INSTALL CONCRETE PEDESTRIAN RAMP, 4" PCC OVER 4" CLASS II AB, PER DETAIL 2, SHEET C302.

(8) INSTALL SIDEWALK CROSS DRAIN PER DETAIL 5 ON SHEET C302.

(9) PAINTED STRIPE FOR FIRE LANE. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

(10) MONUMENT SIGN. SEE SHEET A102 FOR MORE INFORMATION.

(11) SEE STRUCTURAL PLANS.

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SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CIVIL SITE GRADING AND DRAINAGE PLAN - 2 OF 2

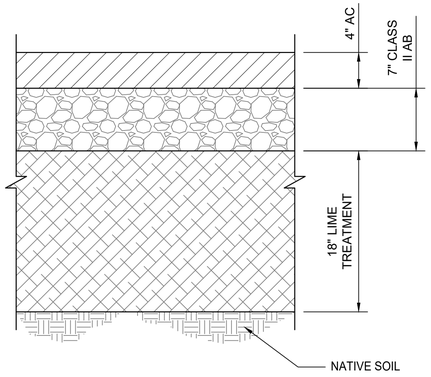
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REVISIONS

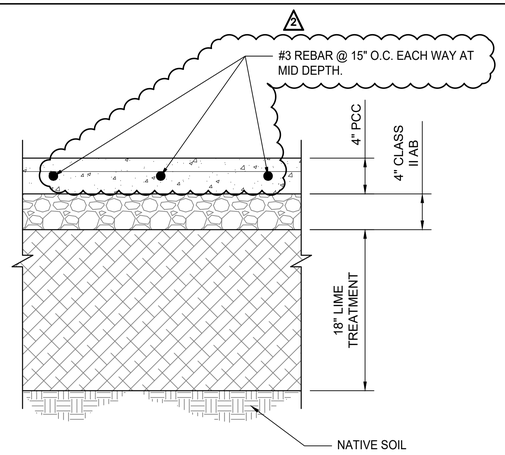
No.	Description	Date
1	REVISION #1	1/20/2017
2	ADDENDUM #2	2/10/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET C301

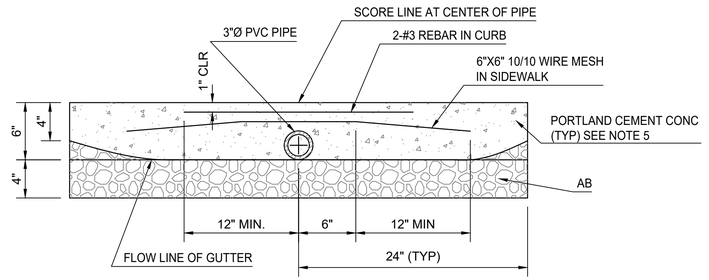
Addendum 6



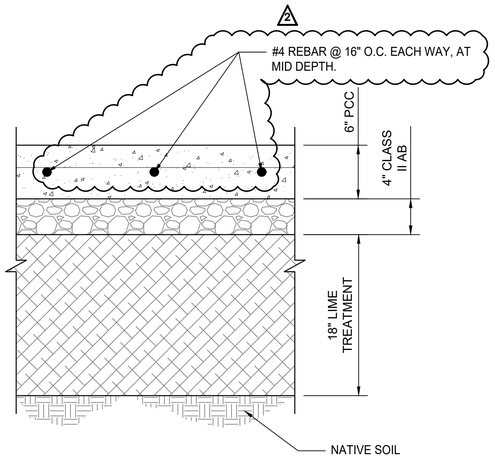
1 — AC PAVING
NTS



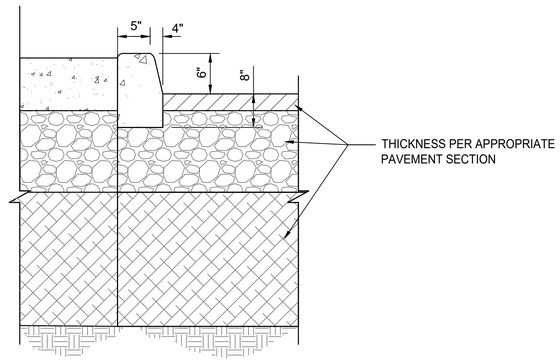
2 — PEDESTRIAN CONCRETE
NTS



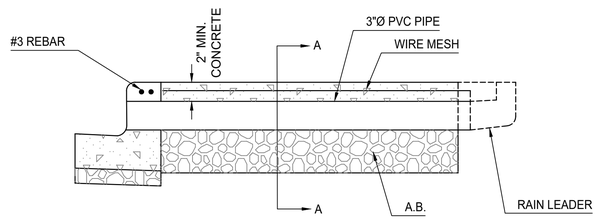
SECTION A-A



3 — VEHICULAR CONCRETE PAVEMENT
NTS



4 — VERTICAL CONCRETE CURB
NTS



LONGITUDINAL SECTION

NOTES:

1. MAXIMUM CAPACITY = 0.15 CU. FT./SEC. AT S=1/4" PER 1' OR 2%%%.
2. NO PIPE JOINTS SHALL BE MADE WITHIN SIDEWALK OR CURB.
3. PVC PIPE SHALL CONFORM TO ASTM D3034 SDR35.
4. WHERE PLACING NEW CONCRETE ADJACENT TO EXISTING, DOWELL INTO EXISTING CONCRETE WITH #4 REBAR @ 2 FOOT O.C., 9 INCHES LONG WITH 3" MINIMUM EMBEDMENT. SAWCUT EXISTING CONCRETE FOR A NEAT STRAIGHT LINE FOR REMOVAL.
5. CONCRETE SHALL CONSIST OF 564 POUNDS OF PORTLAND CEMENT PER CUBIC YARD AND HAVE A MINIMUM STRENGTH OF 3000 PSI.
6. NOT FOR USE WITHIN LOW PROFILE CURB.

5 — SIDEWALK CROSS DRAIN
NTS

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SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CIVIL SITE DETAILS

SCALE: 0 1/2 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
2	Addendum #3	2/23/17

JOB NO. 4907A3
DATE 11/9/2016
SHEET **C302**

Addendum 3

STORM DRAIN KEYNOTES ◇1 TO ◇8

◇1 INSTALL (N) ON–SITE STORM DRAIN SYSTEM. USE MINIMUM 6" PVC (SDR 35) OR HDPE (ADS N–12 W/ SMOOTH INTERIOR WALLS). MAINTAIN 24" MINIMUM COVER AND SLOPED AT 1% MINIMUM AT ALL TIMES UNLESS OTHERWISE NOTED. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS AND WYE CONNECTIONS.

◇2 INSTALL (N) SUBDRAIN. USE PERFORATED 12" (MIN) PVC (SDR–35) WITH HOLES DOWN AND SLOPED AT 0.5% MINIMUM SURROUND WITH 3/4" DRAIN ROCK WRAPPED IN FILTER FABRIC (MIRAFI 140N). MIRADRAIN OR OTHER LEA & BRAZE PREAPPROVED DRAINAGE SYSTEM MAY ALSO BE USED. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS AND WYE CONNECTIONS. PROVIDE CLEANOUT TO GRADE AT MAJOR CHANGES IN DIRECTION AND AT 100' MAXIMUM INTERVALS. SUBDRAIN SHALL REMAIN A DEDICATED SEPARATE SYSTEM UNTIL IT CONNECTS TO STORM DRAIN SYSTEM OR OUTFALL AS SHOWN. SEE DETAIL 3 ON C308.

◇3 INSTALL (N) "CHRISTY V–24" CATCH BASIN W/ CONCRETE BOTTOM FLUSH W/ LOWEST OUTGOING INVERT. PLACE BOX ON 6" CLASS 2 AGGREGATE BASE MATERIAL.

◇4 INSTALL (N) RETENTION SYSTEM. SEE DETAIL 1 ON SHEET C308 AND DETAIL 5 ON SHEET C308.

◇5 INSTALL (N) METER RELEASE FOR RETENTION SYSTEM. SEE DETAIL 2 ON SHEET C308.

◇6 INSTALL (N) ROCKED OUTFALL. SEE DETAIL 4 ON SHEET C308.

◇7 (N) TYPICAL BIO–RETENTION DETAIL. SEE DETAIL 3 ON SHEET C308.

◇8 (N) STORMDRAIN MANHOLE SHALL BE PER CITY OF FAIRFIELD STANDARD DETAIL 25. SEWER MANHOLE COVER SHALL BE INSTALLED WITH STORM WATER MANHOLE SECURITY LOCK SWMSL2034 OR APPROVED EQUAL.

STORMDRAIN MANHOLE/INLET LOCK NOTE:

All STORM DRAIN MANHOLE, CLEANOUTS TO GRADE AND INLETS ARE REQUIRED TO HAVE LOCKABLE GRATES AND LIDS.

CLEANOUT TO GRADE SHALL BE PER SEWERLOCK CLEANOUT LOCKS.

CATCH BASIN LIDS SHALL BE PER SEWERLOCK UJBL–3001.

STORMDRAIN MANHOLE SHALL BE PER SEWER LOCK SWMSL2034.

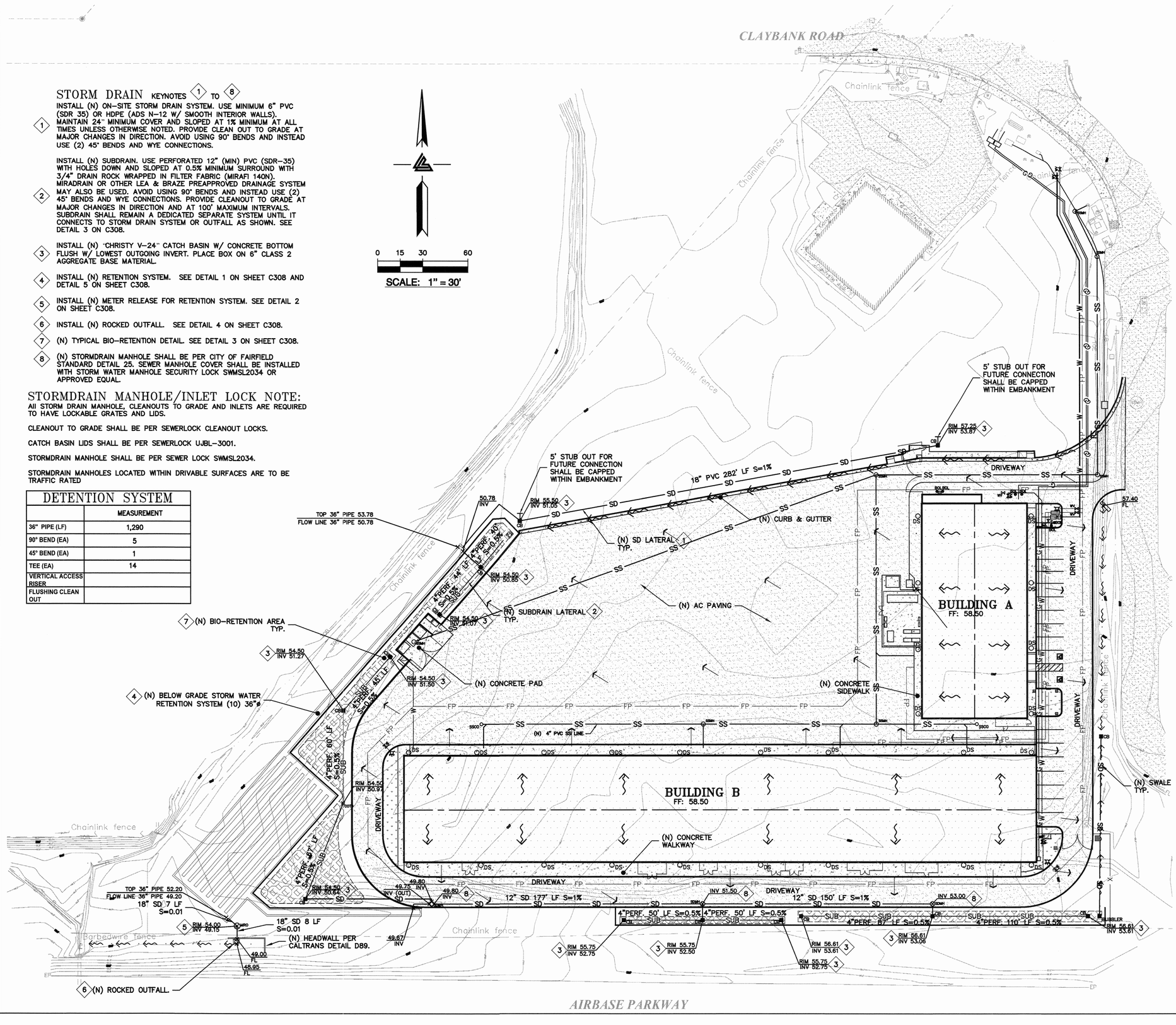
STORMDRAIN MANHOLES LOCATED WITHIN DRIVABLE SURFACES ARE TO BE TRAFFIC RATED

DETENTION SYSTEM

	MEASUREMENT
36" PIPE (LF)	1,290
90° BEND (EA)	5
45° BEND (EA)	1
TEE (EA)	14
VERTICAL ACCESS RISER	
FLUSHING CLEAN OUT	

0 15 30 60

SCALE: 1" = 30'



LEGEND

SYMBOL	DESCRIPTION
SD	STORM DRAIN LINE
SUB	SUBDRAIN LINE
CB	CATCH BASIN
DS	ROOF DOWNSPOUT
	ROOF FLOW DIRECTION
	HARDSCAPE FLOW DIRECTION
FP	FIRE PROTECTION LINE
W	WATER LINE
SS	SANITARY SEWER LINE
G	GAS LINE
SSMH	SANITARY SEWER MANHOLE
WV	WATER VALVE
	FIRE HYDRANT
	VEGETATED SWALE
	BOLLARDS

HATCH LEGEND

- BUILDING
- CONCRETE
- ASPHALT
- BIO–RETENTION TREATMENT AREA

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE LANE PAINTED CURB
Reviewed by: Chris Fowler, DSFM III Specialist
DEC 11 2016

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

*** BUILDING PAD NOTE:** ADJUST PAD LEVEL AS REQUIRED. REFER TO STRUCTURAL PLANS FOR SLAB SECTION OR CRAWL SPACE DEPTH TO ESTABLISH PAD LEVEL.

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 01 January, 2000

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FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
STORM DRAINAGE UTILITY PLAN

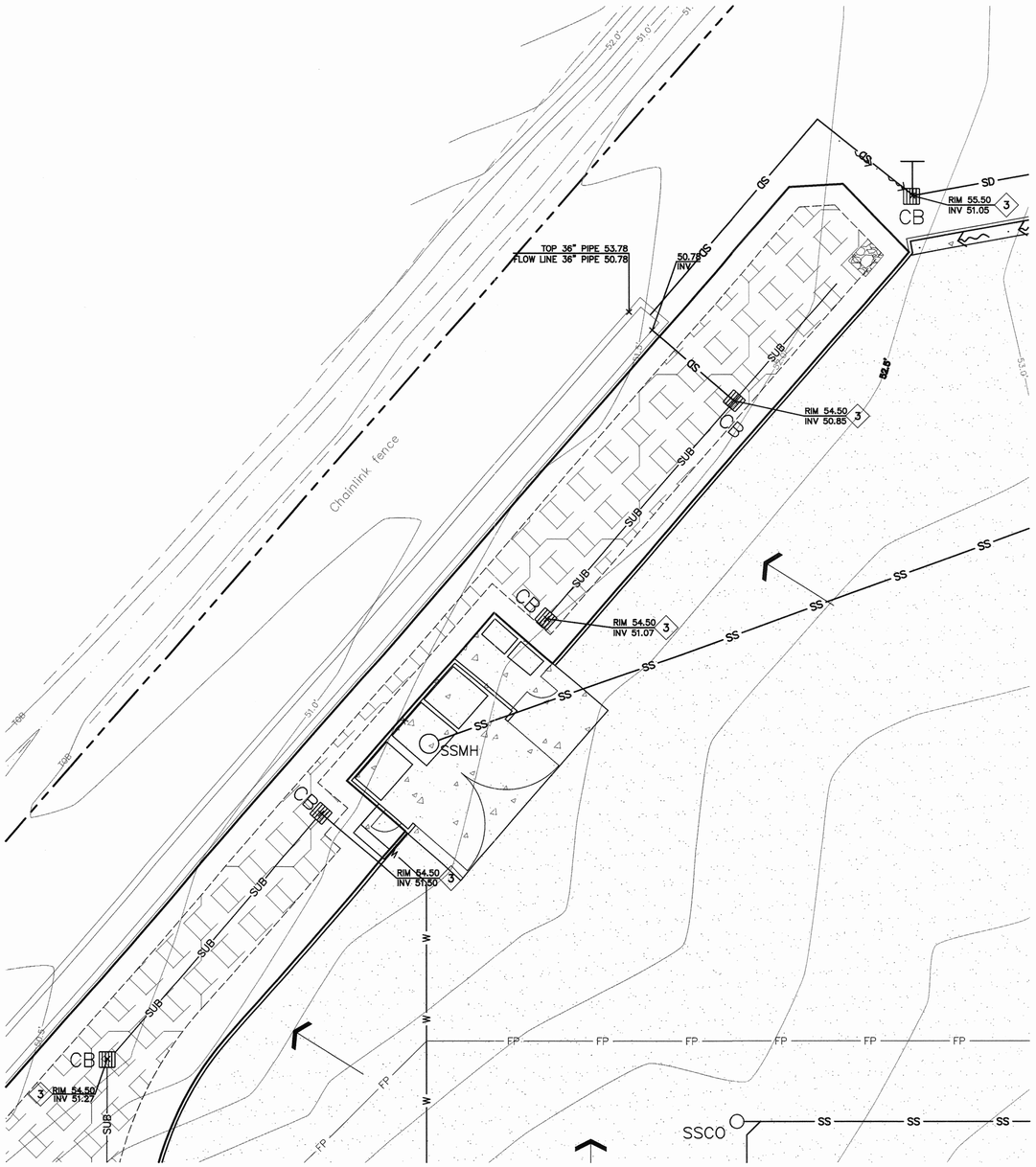
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REVISIONS

No.	Description	Date

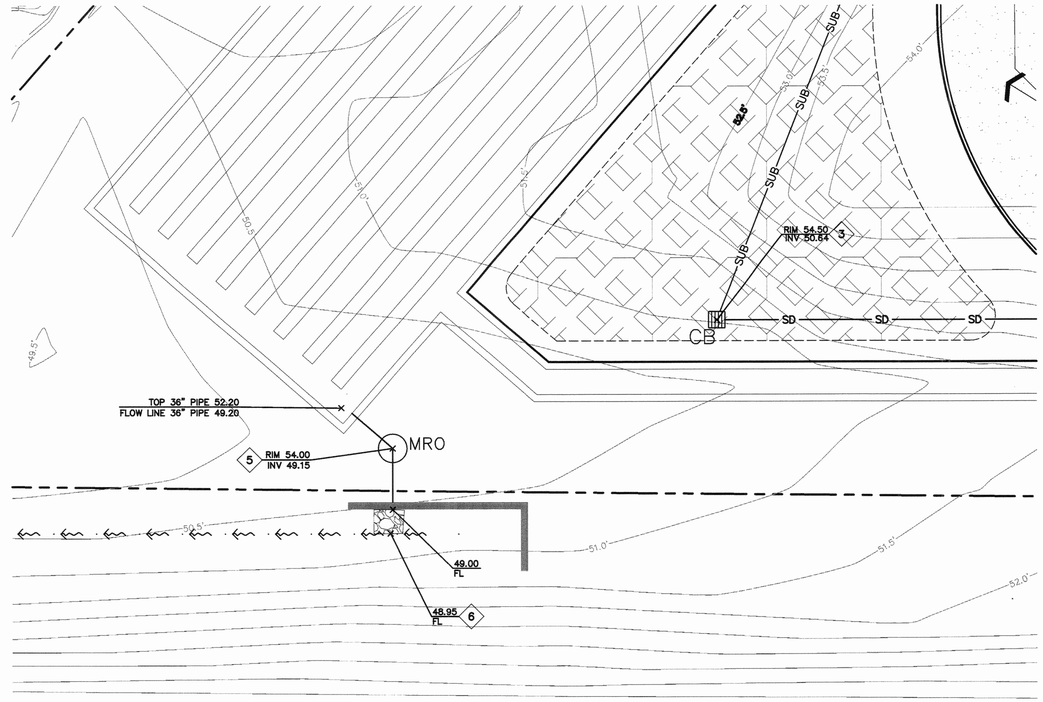
JOB NO. 4907A3
DATE 11/9/2016
SHEET C305

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1 C306 **AREA OF DETAIL – GRADING & DRAINAGE PLAN**

NTS



2 C306 **AREA OF DETAIL – GRADING & DRAINAGE PLAN**

NTS

LEGEND

SYMBOL	DESCRIPTION
SD	STORM DRAIN LINE
SUB	SUBDRAIN LINE
CB	CATCH BASIN
DS	ROOF DOWNSPOUT
	ROOF FLOW DIRECTION
	HARDSCAPE FLOW DIRECTION

HATCH LEGEND

- BUILDING
- CONCRETE
- ASPHALT
- BIO–RETENTION TREATMENT AREA

0 5 10 20

SCALE: 1" = 10'

STORM DRAIN KEYNOTES 1 TO 8

1. INSTALL (N) ON–SITE STORM DRAIN SYSTEM. USE MINIMUM 6" PVC (SDR 35) OR HDPE (ADS N–12 W/ SMOOTH INTERIOR WALLS). MAINTAIN 24" MINIMUM COVER AND SLOPED AT 1% MINIMUM AT ALL TIMES UNLESS OTHERWISE NOTED. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS AND WYE CONNECTIONS.
2. INSTALL (N) SUBDRAIN. USE PERFORATED 12" (MIN) PVC (SDR–35) WITH HOLES DOWN AND SLOPED AT 0.5% MINIMUM SURROUND WITH 3/4" DRAIN ROCK WRAPPED IN FILTER FABRIC (MIRAFI 140N). MIRADRAIN OR OTHER LEA & BRAZE PREAPPROVED DRAINAGE SYSTEM MAY ALSO BE USED. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS AND WYE CONNECTIONS. PROVIDE CLEANOUT TO GRADE AT MAJOR CHANGES IN DIRECTION AND AT 100' MAXIMUM INTERVALS. SUBDRAIN SHALL REMAIN A DEDICATED SEPARATE SYSTEM UNTIL IT CONNECTS TO STORM DRAIN SYSTEM OR OUTFALL AS SHOWN. SEE DETAIL 3 ON C308.
3. INSTALL (N) "CHRISTY V–24" CATCH BASIN W/ CONCRETE BOTTOM FLUSH W/ LOWEST OUTGOING INVERT. PLACE BOX ON 6" CLASS 2 AGGREGATE BASE MATERIAL.
4. INSTALL (N) RETENTION SYSTEM. SEE DETAIL 1 ON SHEET C308 AND DETAIL 5 ON SHEET C308.
5. INSTALL (N) METER RELEASE FOR RETENTION SYSTEM. SEE DETAIL 2 ON SHEET C308.
6. INSTALL (N) ROCKED OUTFALL. SEE DETAIL 4 ON SHEET C308.
7. (N) TYPICAL BIO–RETENTION DETAIL. SEE DETAIL 3 ON SHEET C308.
8. (N) STORMDRAIN MANHOLE SHALL BE PER CITY OF FAIRFIELD STANDARD DETAIL 25. SEWER MANHOLE COVER SHALL BE INSTALLED WITH STORM WATER MANHOLE SECURITY LOCK SWMSL2034 OR APPROVED EQUAL.

DETENTION SYSTEM

	MEASUREMENT
36" PIPE (LF)	1,290
90° BEND (EA)	5
45° BEND (EA)	1
TEE (EA)	14
VERTICAL ACCESS RISER	
FLUSHING CLEAN OUT	

*** BUILDING PAD NOTE:** ADJUST PAD LEVEL AS REQUIRED. REFER TO STRUCTURAL PLANS FOR SLAB SECTION OR CRAWL SPACE DEPTH TO ESTABLISH PAD LEVEL.

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
Reviewed by: Chris Fowler, DSFM III Specialist
DEC 11 2016

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

KEY PLAN

B - WEST

N

LAST REVISION: 01 January, 2000

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FAIRFIELD, CA 94533
SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
STORM DRAINAGE UTILITY PLAN

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **C306**

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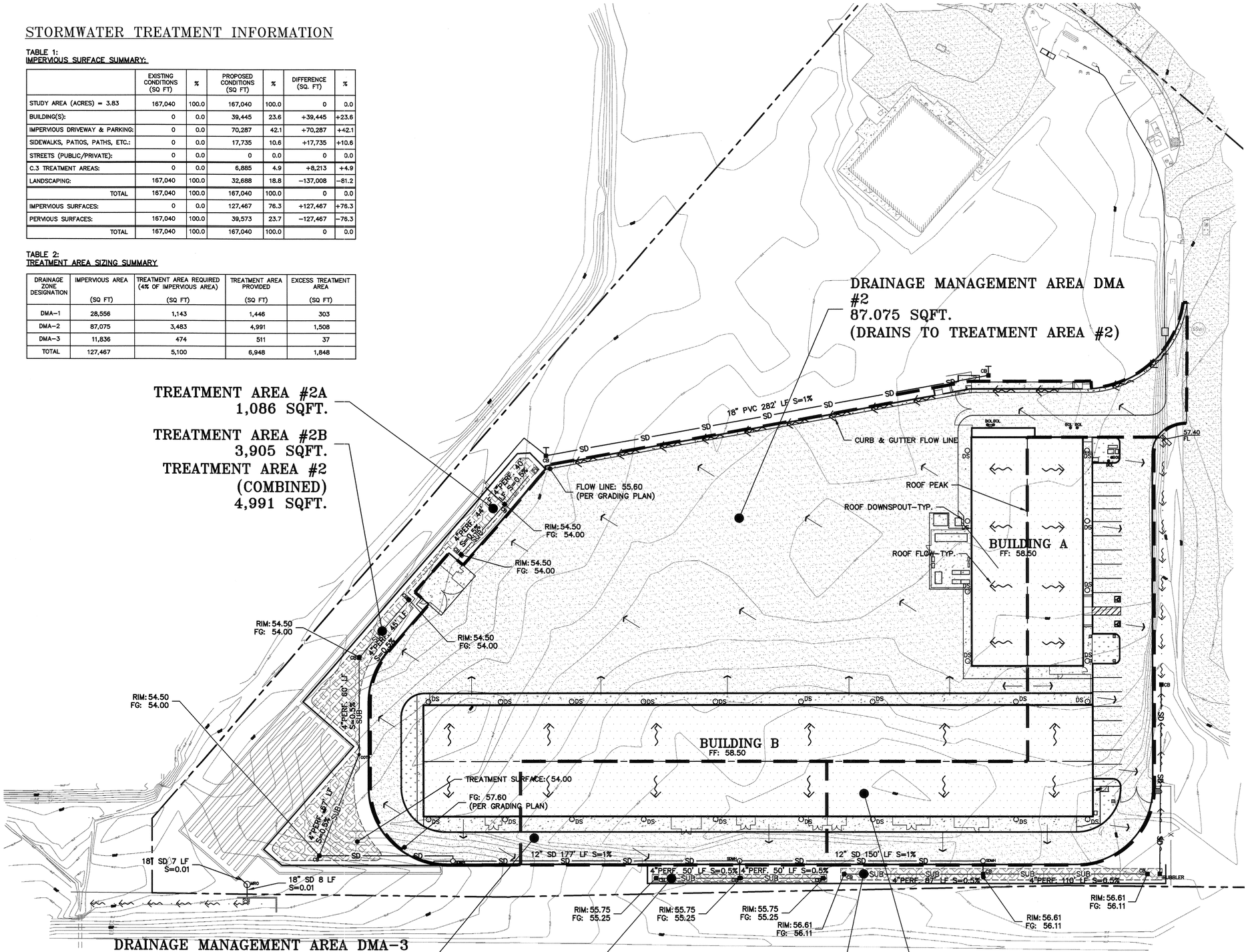
STORMWATER TREATMENT INFORMATION

TABLE 1:
IMPERVIOUS SURFACE SUMMARY:

	EXISTING CONDITIONS (SQ FT)	%	PROPOSED CONDITIONS (SQ FT)	%	DIFFERENCE (SQ. FT)	%
STUDY AREA (ACRES) = 3.83	167,040	100.0	167,040	100.0	0	0.0
BUILDING(S):	0	0.0	39,445	23.6	+39,445	+23.6
IMPERVIOUS DRIVEWAY & PARKING:	0	0.0	70,287	42.1	+70,287	+42.1
SIDEWALKS, PATIOS, PATHS, ETC.:	0	0.0	17,735	10.6	+17,735	+10.6
STREETS (PUBLIC/PRIVATE):	0	0.0	0	0.0	0	0.0
C.3 TREATMENT AREAS:	0	0.0	6,885	4.9	+8,213	+4.9
LANDSCAPING:	167,040	100.0	32,688	18.8	−137,008	−81.2
TOTAL	167,040	100.0	167,040	100.0	0	0.0
IMPERVIOUS SURFACES:	0	0.0	127,467	76.3	+127,467	+76.3
PERVIOUS SURFACES:	167,040	100.0	39,573	23.7	−127,467	−76.3
TOTAL	167,040	100.0	167,040	100.0	0	0.0

TABLE 2:
TREATMENT AREA SIZING SUMMARY

DRAINAGE ZONE DESIGNATION	IMPERVIOUS AREA (SQ FT)	TREATMENT AREA REQUIRED (4% OF IMPERVIOUS AREA) (SQ FT)	TREATMENT AREA PROVIDED (SQ FT)	EXCESS TREATMENT AREA (SQ FT)
DMA−1	28,556	1,143	1,446	303
DMA−2	87,075	3,483	4,991	1,508
DMA−3	11,836	474	511	37
TOTAL	127,467	5,100	6,948	1,848



0 15 30 60

SCALE: 1" = 30'

LEGEND

SYMBOL	DESCRIPTION
SD	STORM DRAIN LINE
SUB	SUBDRAIN LINE
CB	CATCH BASIN
DS	ROOF DOWNSPOUT
	ROOF FLOW DIRECTION
	HARDSCAPE FLOW DIRECTION
TA−#	TREATMENT AREA
DMA−#	DRAINAGE AREA
	BOLLARDS

HATCH LEGEND

- BUILDING
- CONCRETE
- ASPHALT
- BIO−RETENTION TREATMENT AREA

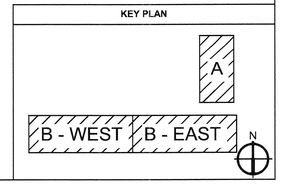
DETENTION SYSTEM

	MEASUREMENT
36" PIPE (LF)	1,290
90° BEND (EA)	5
45° BEND (EA)	1
TEE (EA)	14
VERTICAL ACCESS RISER	
FLUSHING CLEAN OUT	

* BUILDING PAD NOTE:
ADJUST PAD LEVEL AS REQUIRED. REFER TO STRUCTURAL PLANS FOR SLAB SECTION OR CRAWL SPACE DEPTH TO ESTABLISH PAD LEVEL.

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APPROVED FIRE AND PATRC ONLY
Reviewed by:
Chris Fowler, DSFM III Specialist
DEC 11 2016
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KEY PLAN



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ORIGINAL SIGNATURES IN BLUE INK

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAYBANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
STORMWATER TREATMENT PLAN

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

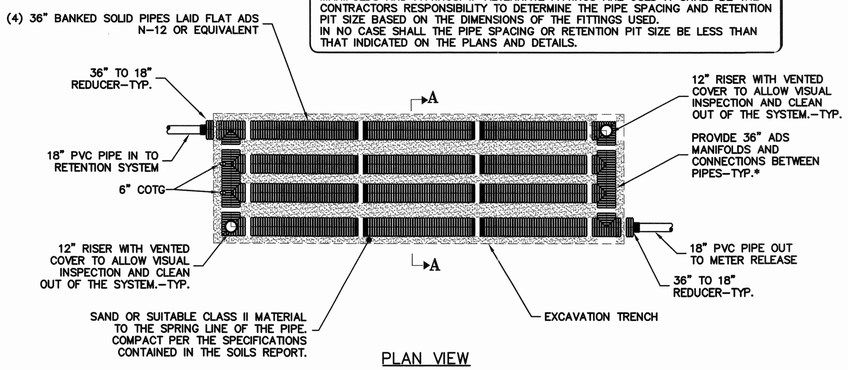
JOB NO. 4907A3
DATE 11/9/2016
SHEET C307

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LAST REVISION: 01 January, 2000

NOTE:
REFER TO THE PLANS FOR SPECIFIC INLET AND OUTLET LOCATIONS FOR EACH SYSTEM.
REFER TO THE PLANS FOR SPECIFIC ACCESS COVER AND CLEANOUT LOCATIONS FOR EACH SYSTEM.

*NOTE:
PIPE SPACING AND RETENTION PIT SIZE ARE BASED ON THE USE OF ADS MANIFOLDS AND FITTINGS. IF ALTERNATE FITTINGS ARE USED IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE PIPE SPACING AND RETENTION PIT SIZE BASED ON THE DIMENSIONS OF THE FITTINGS USED.
IN NO CASE SHALL THE PIPE SPACING OR RETENTION PIT SIZE BE LESS THAN THAT INDICATED ON THE PLANS AND DETAILS.



PLAN VIEW

STORAGE PIPE NOMINAL I.D.	NOMINAL O.D.	TYPICAL SPACING "S"	TYPICAL SPACING "C"	TYPICAL SIDE WALL "X"
36" (900 MM)	42" (1067 MM)	22" (559 MM)	63" (1600 MM)	18" (457 MM)

NOTES:

1. ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.

2. ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.

3. MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.

4. FILTER FABRIC: A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.

5. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

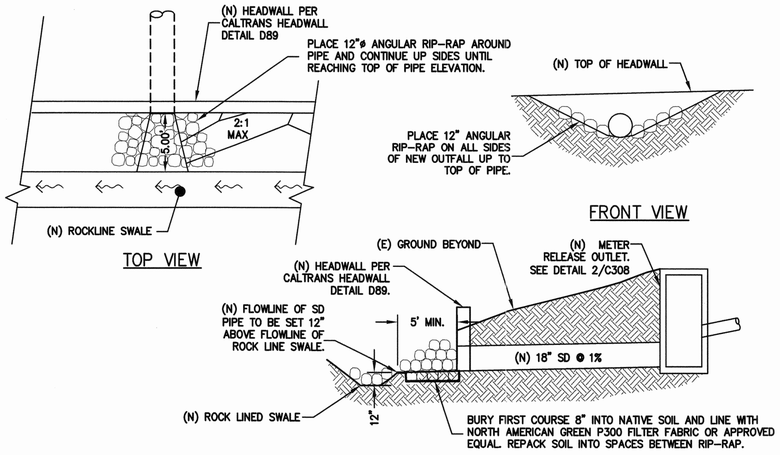
6. BEDDING: SUITABLE MATERIAL SHALL BE CLASS II*. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).

7. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS II* IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

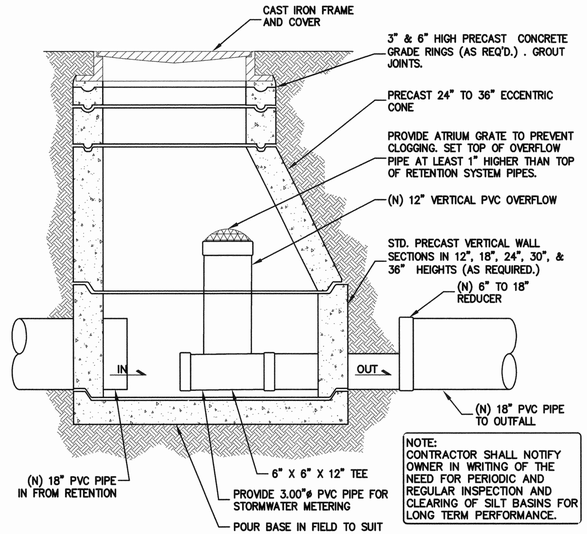
8. MINIMUM COVER: MINIMUM COVER OVER ALL RETNETION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 18" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 18" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42" - 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

* CLASS I BACKFILL REQUIRED AROUND 60" DIAMETER FITTINGS.

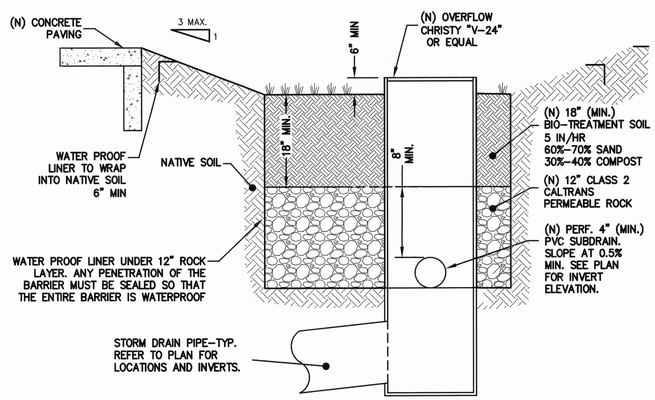
1 C308 STORM WATER RETENTION SYSTEM
NTS



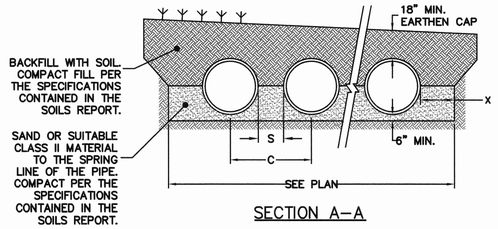
4 C308 RIP-RAP OUTFALL
NTS



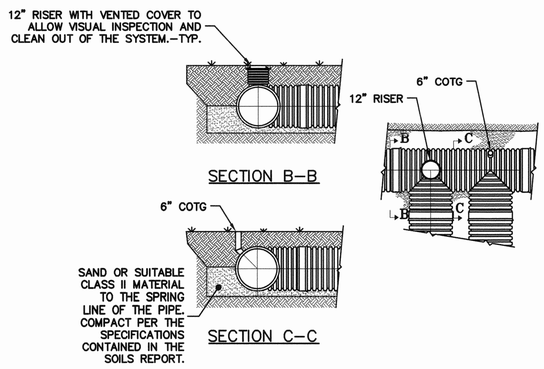
2 C308 METERED RELEASE OUTLET
NTS



3 C308 BIO-RETENTION AREA
NTS



SECTION A-A



5 C308 TYPICAL RISER / CLEANOUT DETAIL
NTS

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Reviewed by:
Chris Fowler, DSFM III Specialist
DEC 1 1 2016
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KEY PLAN

N

LAST REVISION: 01 January, 2000

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FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAILS

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

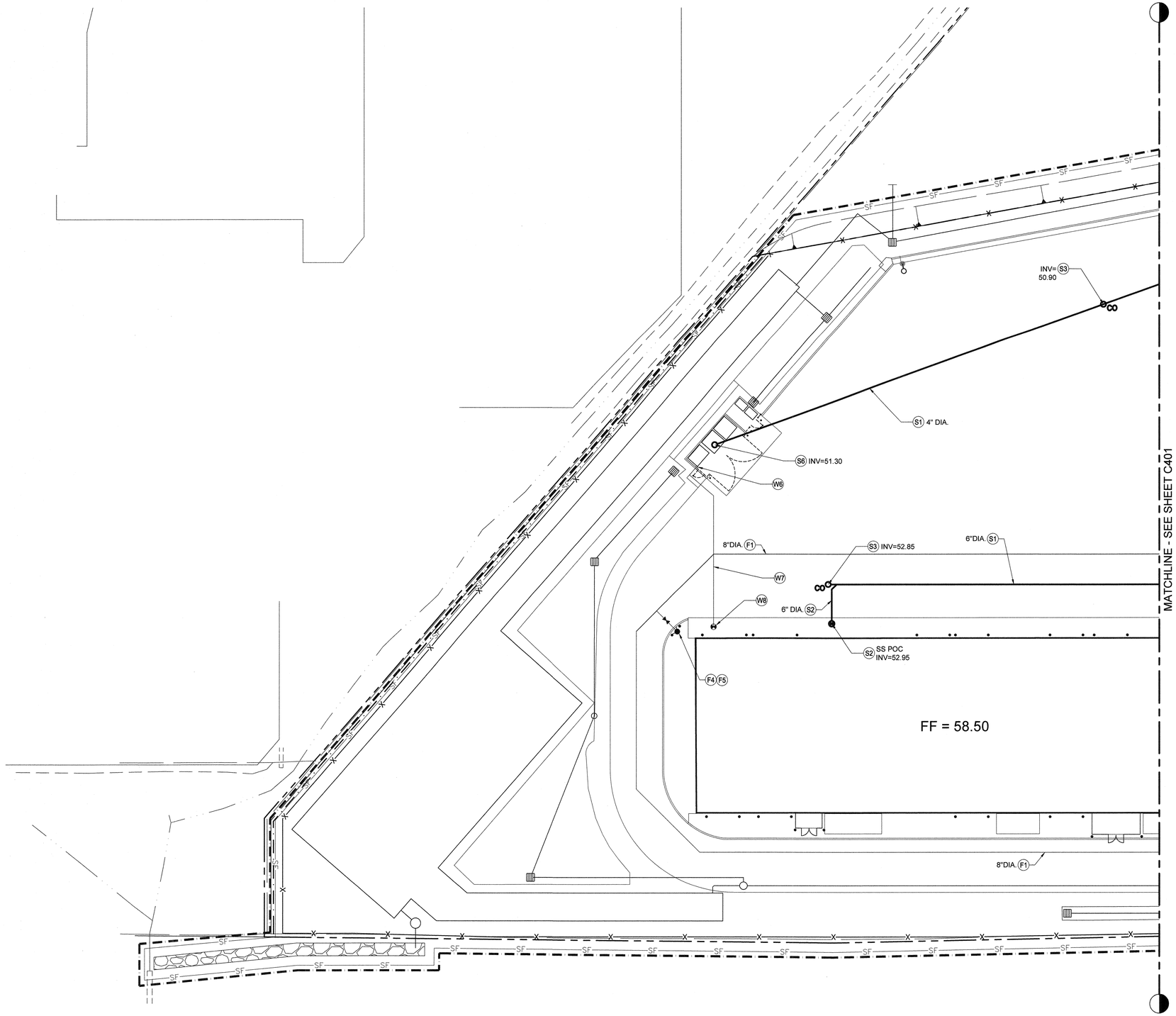
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET C308

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NOTE:

1 FOR STORM DRAIN SYSTEM NOTES AND CALLOUTS, SEE SHEET C305.



1 CIVIL UTILITY PLAN

0 10 20 40
1" = 20

N

CONSTRUCTION KEY NOTES:

- S1 INSTALL PVC SEWER LINE; SIZE, LENGTH AND SLOPE PER PLAN.
- S2 INSTALL PVC SEWER LATERAL TO BUILDING POC; SIZE, LENGTH PER PLAN. MIN SLOPE = 1.5% U.N.O.
- S3 INSTALL SEWER CLEANOUT PER CITY OF FAIRFIELD STANDARD DETAIL #32 ON SHEET C402; INVERT PER PLAN.
- S4 CONNECT NEW SEWER LINE TO (E) SEWER MANHOLE; INVERTS PER PLAN. REFER TO CITY OF FAIRFIELD FOR CONNECTION REQUIREMENTS.
- S5 INSTALL SEWER MANHOLE PER CITY OF FAIRFIELD STANDARD DETAIL #30 ON SHEET C402; INVERT PER PLAN. SEWER MANHOLE COVER SHALL BE INSTALLED WITH SANITARY SEWER MANHOLE SECURITY LOCK RBP2034 OR APPROVED EQUAL.
- S6 INSTALL 8" X 8" WATTS FD-330 AREA DRAIN OR APPROVED EQUAL.
- W1 INSTALL DOMESTIC WATER LINE (SIZE PER PLAN) WITH THRUST BLOCKS PER CITY OF FAIRFIELD DETAILS #43 AND #44, AND TRACER WIRES PER DETAIL #69, ON SHEET C404.
- W2 INSTALL 2" COMPOUND TYPE WATER METER PER CITY OF FAIRFIELD STANDARD DETAIL #34, ON SHEET C403.
- W3 INSTALL NEW 2" BACKFLOW PREVENTER PER CITY OF FAIRFIELD STANDARD DETAIL #39 ON SHEET C403.
- W4 CONNECT NEW WATER LINE TO EXISTING; REFER TO CITY OF FAIRFIELD STANDARDS FOR CONNECTION REQUIREMENTS.
- W5 INSTALL WATER VALVE PER CITY OF FAIRFIELD STANDARD DETAIL #38 ON SHEET C403. VALVE COVER TO BE TRAFFIC RATED.
- W6 PROVIDE EXTERIOR HOSE BIB. SEE PLUMBING SCHEDULE FOR MORE INFORMATION.
- W7 INSTALL $\frac{3}{4}$" DOMESTIC WATER LINE.
- W8 CONNECT TO DOMESTIC WATER LINE.
- F1 INSTALL PVC FIRE WATER LINE (SIZE PER PLAN) WITH THRUST BLOCKS PER CITY OF FAIRFIELD DETAILS #43 AND #44, AND TRACER WIRES PER DETAIL #69, ON SHEET C404.
- F2 INSTALL 4" DIA. PVC FIRE WATER LINE (SPRINKLER SERVICE) WITH THRUST BLOCKS PER CITY OF FAIRFIELD DETAILS #43 AND #44, AND TRACER WIRES PER DETAIL #69, ON SHEET C404.
- F3 INSTALL 8" DIA. PVC FIRE WATER LINE (SPRINKLER SERVICE) WITH THRUST BLOCKS PER CITY OF FAIRFIELD DETAILS #43 AND #44, AND TRACER WIRES PER DETAIL #69, ON SHEET C404.
- F4 INSTALL FIRE HYDRANT AND FIRE WATER LATERAL PER CITY OF FAIRFIELD STANDARD DETAIL #36 AND VALVE PER DETAIL #37 ON SHEET C403.
- F5 INSTALL TWO (2) 4" DIA STEEL PIPE, CONCRETE-FILLED BOLLARDS ADJACENT TO FIRE HYDRANT OR FIRE DEPARTMENT CONNECTION, PER DETAIL 9 ON SHEET A110. PLACE BOLLARDS 3 FEET AWAY FROM THE HYDRANT. SPACE BOLLARDS 5' FROM EACH OTHER UNLESS NOTED OTHERWISE.
- F6 INSTALL 8" DOUBLE DETECTOR CHECK ASSEMBLY PER CITY OF FAIRFIELD STANDARD DETAIL #40 ON SHEET C403.
- F7 INSTALL FIRE DEPARTMENT CONNECTION ON FIRE SPRINKLER SERVICE LINE WITH SIGNAGE INDICATING BUILDING SERVED.
- F8 CONNECT NEW FIRE WATER LINE TO EXISTING; REFER TO CITY OF FAIRFIELD STANDARDS FOR CONNECTION REQUIREMENTS.
- F9 INSTALL POST INDICATOR VALVE.
- G1 INSTALL NEW YELLOW POLYETHYLENE GAS LINE PER PG&E GAS DESIGN STANDARD A-90; SIZE PER PLAN.
- G2 GAS METER (TO BE INSTALLED BY PG&E).
- G3 GAS POC.
- E1 LOCATION FOR NEW ELECTRIC CAR CHARGING SYSTEM; REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
- E2 INSTALL NEW 4" DIA. PVC FOR ELECTRICAL.
- C1 STUB OUT AND CAP 2" PVC FOR FUTURE CONNECTION TO COMCAST CABLE.
- C2 ENHANCEMENT #1: PROVIDE ONE (1) TWO INCH CONDUIT FROM ROAD PULL BOX TO BLDG A FOR FUTURE INTERNET CABLE (1)
- C3 SEE SHEET T101.
- A1 INSTALL CARD READER PER DETAIL 1 ON SHEET A805 AND SHEET ES201. (1)

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CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: [illegible] 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
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SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CIVIL SITE UTILITY PLAN - 1 OF 2

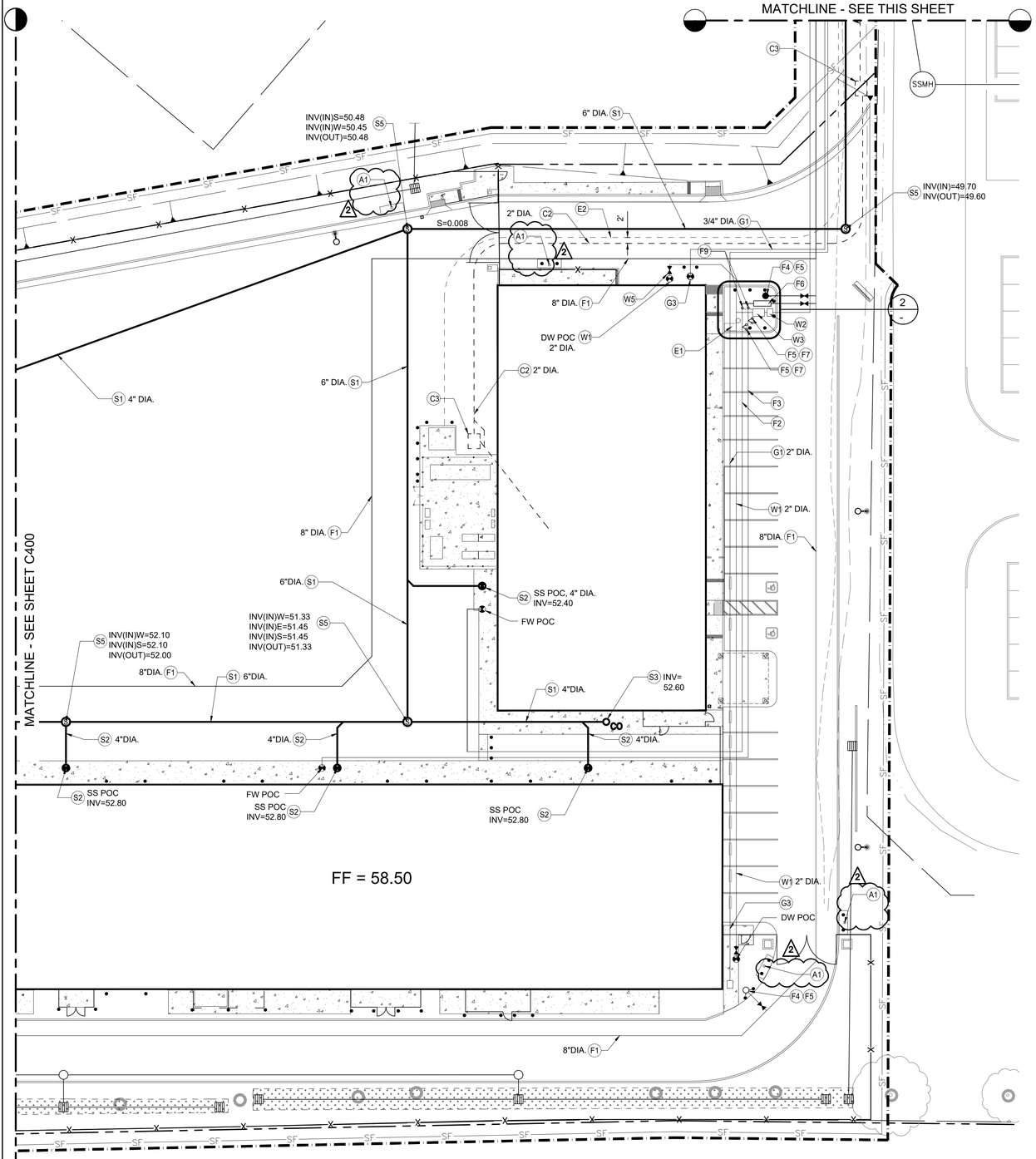
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REVISIONS

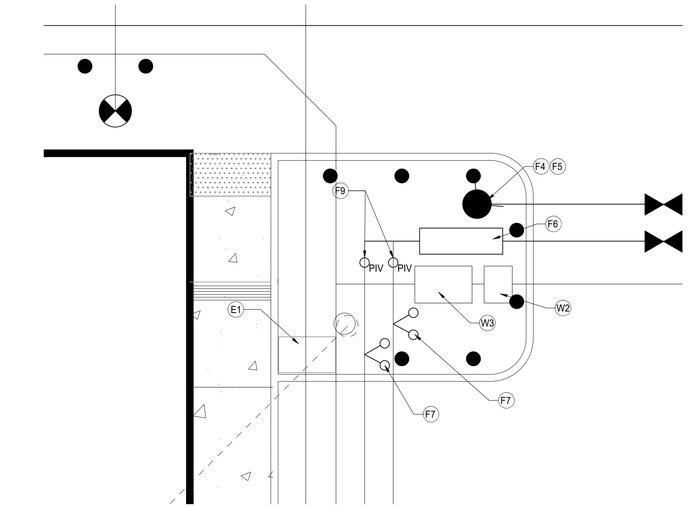
No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET C400

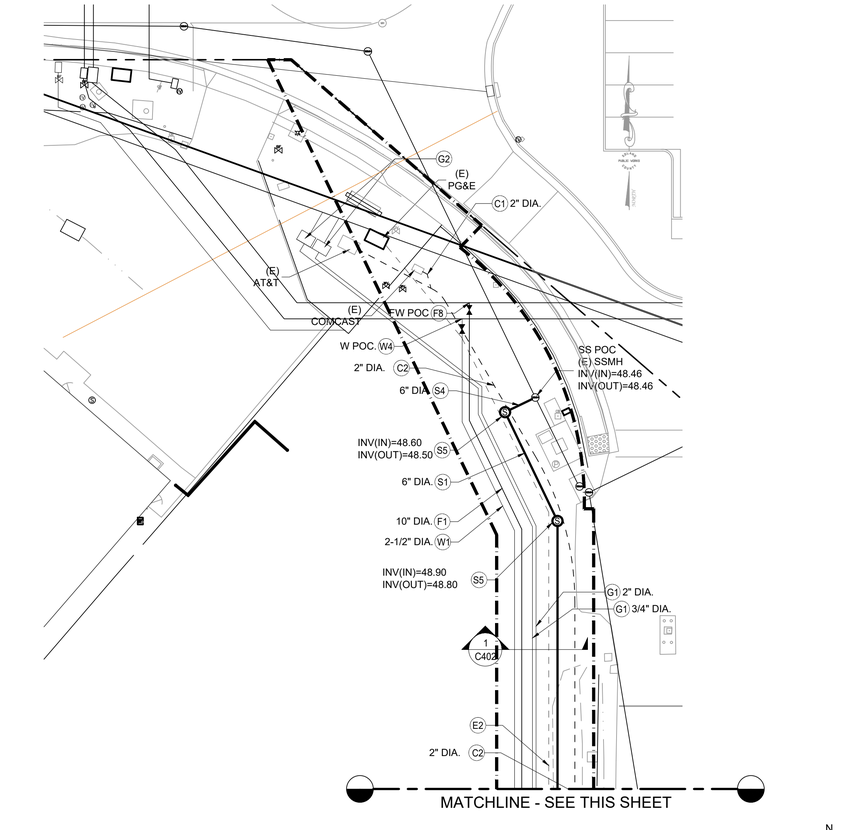
NOTE:
FOR UTILITY CONSTRUCTION KEY NOTES, SEE SHEET C400



1 CIVIL UTILITY PLAN



2 UTILITY DETAIL



0 10 20 40
1" = 20

N

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SOLANO COUNTY

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PROJECT STATUS:
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SHEET TITLE:
CIVIL SITE UTILITY PLAN - 2 OF 2

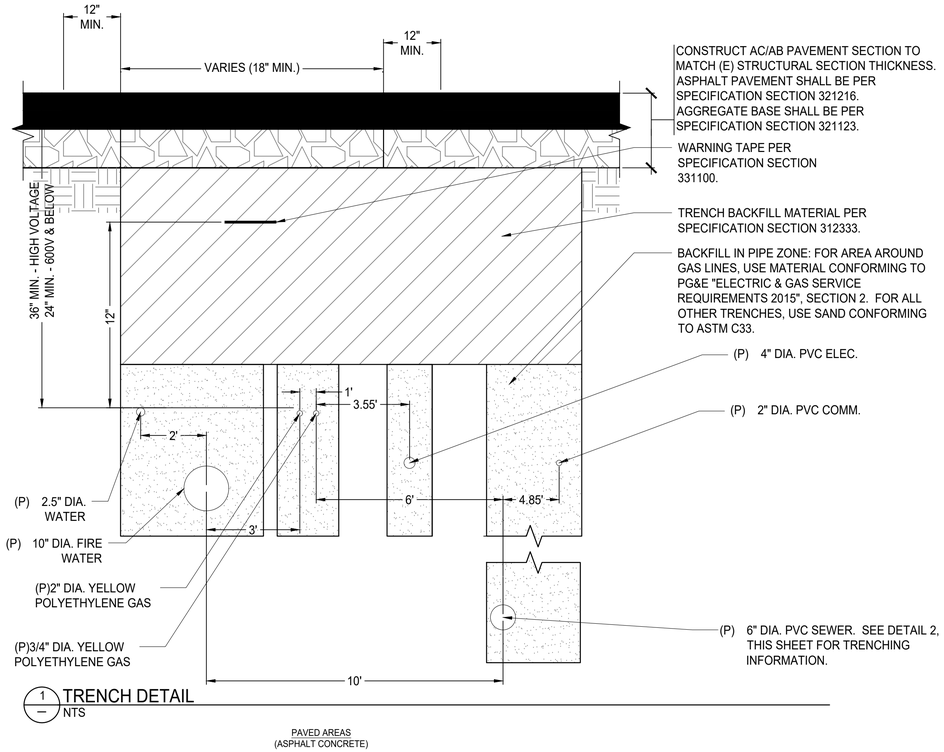
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REVISIONS

No.	Description	Date
1	Addendum #3	2/21/17
2		
3		
4		
5		
6		

JOB NO. 4907A3
DATE 11/9/2016
SHEET **C401**

Addendum 3



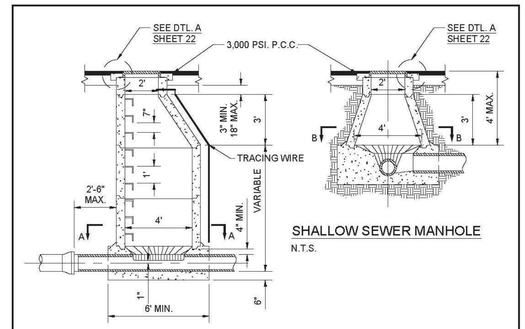
1 — TRENCH DETAIL
NTS

PAVED AREAS
(ASPHALT CONCRETE)

PAVEMENT REPAIR NOTES:

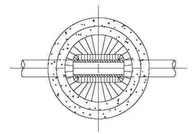
1. TRENCH EXCAVATION, BACKFILL, COMPACTION AND TESTING SHALL BE PER SPECIFICATION SECTION 312333.
2. CONTRACTOR SHALL FIELD-VERIFY EXISTING PAVEMENT THICKNESS AT TRENCHING AREAS & PROVIDE SUBMITTAL FOR ENGINEER'S REVIEW PRIOR TO PAVEMENT REPLACEMENT OR INSTALLATION.
3. EXISTING PAVEMENT SHALL BE SAWCUT IN A STRAIGHT LINE A MINIMUM OF 12" WIDER (EACH SIDE) THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMMETRICAL ABOUT THE CENTER LINE OF THE EXCAVATION.
4. REPLACE PAVING ALONG UNDISTURBED SIDES OF THE TRENCH TO MATCH EXISTING SECTION.
5. A TACK COAT SHALL BE APPLIED TO THE REPLACEMENT AREA PRIOR TO PLACING NEW ASPHALT CONCRETE. TACK COAT SHALL BE PER SPECIFICATION SECTION 321216.

2

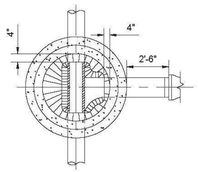


SHALLOW SEWER MANHOLE
N.T.S.

SEWER MANHOLE
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

GENERAL NOTES:

1. MANHOLE FRAME & COVER SHALL BE PINKERTON A-640, DXL A-1034 OR APPROVED EQUAL MARKED "SANITARY SEWER."
2. POURED CONC. BASE SHALL BE 4,000 PSI. OR APPROVED PRECAST BASE.
3. ALL JOINTS SHALL BE SEALED W/ APPROVED FLEXIBLE JOINT SEALANT.
4. PLACE STEPS ON DOWNSTREAM SIDE OF MANHOLE.
5. LATERALS INTO MANHOLES SHALL HAVE A JOINT @ 2.5' FROM OUTSIDE WALL.
6. TRACING WIRE TO BE 10 GAUGE SOLID STRAND.

REGISTERED PROFESSIONAL ENGINEER — KEVIN L. BERRYHILL — No.48812 Exp.09/30/16 — CIVIL — STATE OF CALIFORNIA

CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS

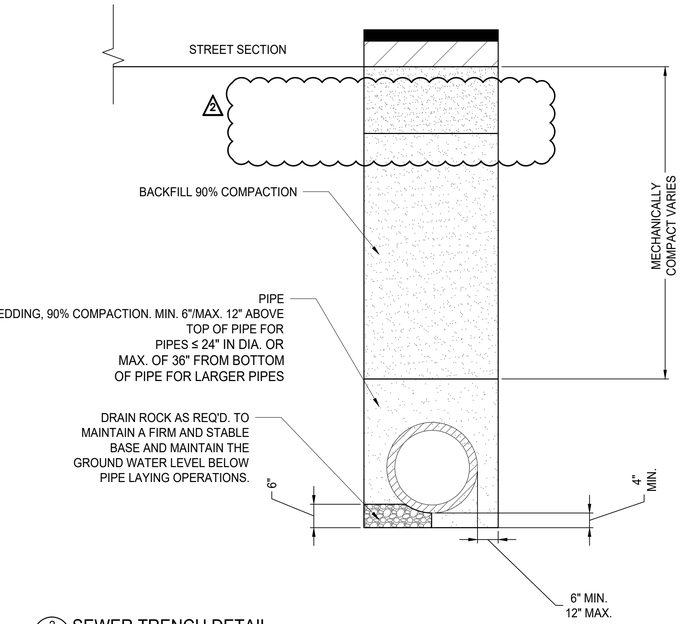
DETAIL NAME: SEWER MANHOLE

APPROVED BY: CITY ENGINEER R.C.E. 48812

DATE: AUGUST 2015

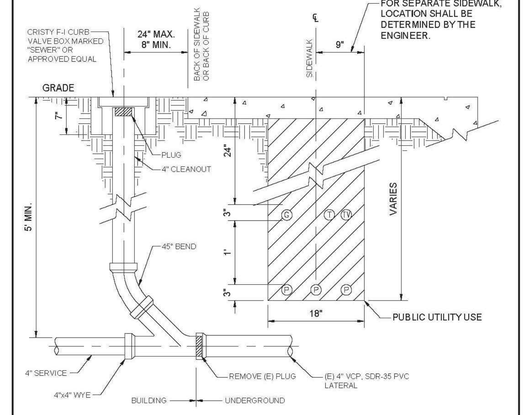
30

2



2 — SEWER TRENCH DETAIL
NTS

2



SEWER CLEANOUT
N.T.S.

GENERAL NOTES:

1. WYE, 45° BEND AND CLEANOUT MAY BE VCP, ABS OR SDR-35 PVC.
2. SEE DETAIL 6 FOR SERVICE LOCATION IN SEPARATE SIDEWALK AREAS.
3. SEWER CLEANOUTS PLACED IN DRIVEWAYS SHALL HAVE TRAFFIC RATED BOXES AND LIDS MARKED "SEWER" (CHRISTY G-5 OR EQUAL).

REGISTERED PROFESSIONAL ENGINEER — KEVIN L. BERRYHILL — No.48812 Exp.09/30/16 — CIVIL — STATE OF CALIFORNIA

CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS

DETAIL NAME: SEWER CLEANOUT

APPROVED BY: CITY ENGINEER R.C.E. 48812

DATE: AUGUST 2015

32

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REGISTERED PROFESSIONAL ENGINEER — No.: 47970 Exp.12/31/2017 — CIVIL — STATE OF CALIFORNIA

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SHEET TITLE:
CIVIL SITE UTILITY DETAILS - 1 OF 3

SCALE: 0 1/2 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

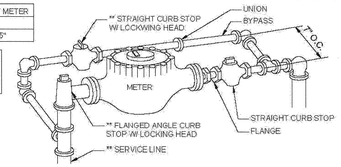
No.	Description	Date
2	Addendum #3	2/21/17

JOB NO. 4907A3
DATE 11/9/2016
SHEET C402

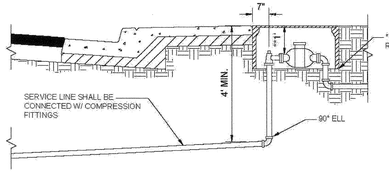
Addendum 3

METER SIZE	BYPASS	LENGTH OF METER
1.5"	.75"	13"
2"	1"	15.25"

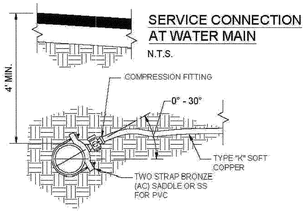
NOTE:
**REQUIRED AS PART OF WATER SERVICE INSTALLATION BY UNDERGROUND CONTRACTOR



1.5" & 2" METERS
N.T.S.



WATER SERVICE & METER SECTION
N.T.S.



SERVICE CONNECTION AT WATER MAIN
N.T.S.

GENERAL NOTES:

1. SERVICE PIPE SHALL BE TYPE K SOFT COPPER. BYPASS SHALL BE COPPER OR BRASS.
2. IF METER TO BE INSTALLED IS FOR IRRIGATION SYSTEM ONLY, BYPASS IS NOT REQ'D.
3. BRONZE SADDLE SHALL BE NO CLOSER THAN 18" TO ANY COUPLING OR OTHER TAP.
4. SEE DETAIL 4 FOR SERVICE LOCATION IN SEPARATED SIDEWALK AREAS.
5. ALL TAPS TO (E) WATER MAINS SHALL BE MADE BY CITY AT CONTRACTOR'S EXPENSE. CONTACT THE CITY AT (707) 426-7415.

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRIHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

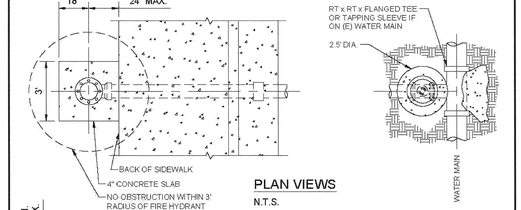
CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS

DETAIL NAME: 1.5" & 2" WATER SERVICE

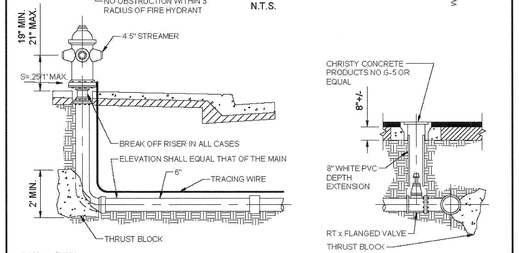
APPROVED BY: _____ CITY ENGINEER R.C.E. 48812

DATE: AUGUST 2015

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PLAN VIEWS
N.T.S.



CROSS SECTION VIEWS
N.T.S.

GENERAL NOTES:

1. LATERAL SHALL INCLUDE A MIN. OF ONE FLEXIBLE JOINT.
2. INSTALL FIRE HYDRANTS W/ 4.5" STREAMER PERPENDICULAR TO AND FACING CURB.
3. FIRE HYDRANTS SHALL BE PER CITY SPECIFICATIONS.
4. WHERE SIDEWALK ADJACENT TO THE FACE OF CURB IS TO BE CONSTRUCTED AT A LATER DATE, FIRE HYDRANT SHALL BE INSTALLED SIX FEET BACK OF FACE OF CURB.
5. ALL FIRE HYDRANTS TO BE PAINTED WHITE.
6. WHERE SIDEWALK WILL NEVER BE CONSTRUCTED, FIRE HYDRANT SHALL BE INSTALLED THREE FEET BACK OF FACE OF CURB & PAD SHALL BE EXTENDED TO BACK OF CURB.
7. TRACING WIRE TO BE 10 GAUGE SOLID STRAND.

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRIHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

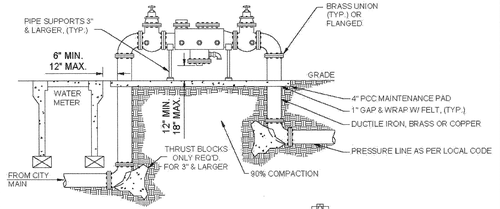
CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS

DETAIL NAME: FIRE HYDRANT INSTALLATION

APPROVED BY: _____ CITY ENGINEER R.C.E. 48812

DATE: AUGUST 2015

37

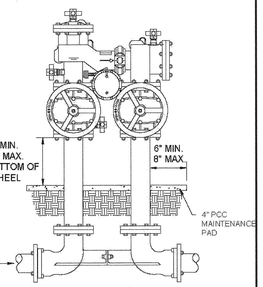


REDUCED PRESSURE BACKFLOW PREVENTION DEVICE
N.T.S.

GENERAL NOTES:

1. ALL DOUBLE CHECK VALVE ASSEMBLIES & REDUCED PRESSURE BACKFLOW PREVENTION DEVICES SHALL BE ON THE MOST RECENT LIST OF APPROVED BACKFLOW PREVENTION DEVICES AS PUBLISHED BY THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH AND THE USC FOUNDATION FOR CROSS CONNECTION CONTROL. VALVE ASSEMBLY SHALL BE DELIVERED TO THE PROJECT SITE AS A UNIT ASSEMBLED BY THE MANUFACTURER.
2. CITY MAY REQ. TWO BACK FLOW PREVENTION DEVICES ON DOMESTIC SERVICE, WITH ONE TO SERVE AS A BYPASS FOR TESTING PURPOSES, IF WATER SERVICE CAN NOT BE SHUT OFF FOR MAINTENANCE OR IF TOXIC CHEMICALS ARE INVOLVED.
3. BACKFLOW PREVENTION DEVICES SHALL BE ONLY REDUCED PRESSURE TYPES FOR ALL LANDSCAPE IRRIGATION APPLICATIONS.
4. COPPER CONNECTIONS SHALL BE COMPRESSION FITTINGS OR SILVER SOLDER (MIN. 15% SILVER CONTENT). ALL COPPER SHALL BE RIGID TYPE K.
5. ONLY NON-RISING STEM VALVES (RESILIENT SEAT GATES) TO BE USED ON REDUCED PRESSURE DEVICES.
6. DEVICE TO BE PAINTED BLACK.
7. UNIT MUST BE CERTIFIED BY A CERTIFIED BACKFLOW ASSEMBLY TESTER AFTER INSTALLATION AND BEFORE WATER SERVICE WILL BE TURNED ON.
8. ALL DEVICES SHALL BE INSTALLED PERPENDICULAR TO SIDEWALK OR STREET.

THE DIAGRAMS DEPICT REDUCED PRESSURE ASSEMBLIES LARGER THAN 1". COMPONENTS SHOWN ARE FOR INFORMATION ONLY.



N-TYPE REDUCED PRESSURE BACKFLOW PREVENTION DEVICE
N.T.S.

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRIHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

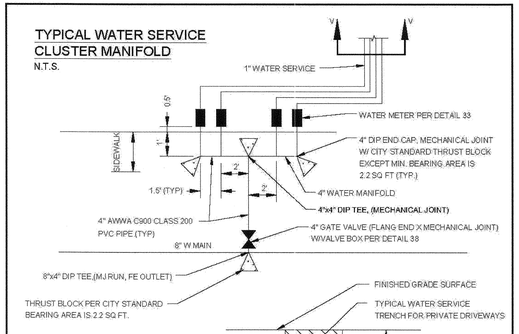
CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS

DETAIL NAME: REDUCED PRESSURE BACKFLOW DEVICES

APPROVED BY: _____ CITY ENGINEER R.C.E. 48812

DATE: AUGUST 2015

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TYPICAL WATER SERVICE CLUSTER MANIFOLD
N.T.S.

SECTION V-V
N.T.S.

GENERAL NOTES:

1. FOR PRIVATE DRIVEWAY CLUSTER WATER SERVICES, NUMBER OF WATER METER BOXES VARIES FROM 2 MINIMUM TO 8 MAXIMUM.
2. ALL BOLTS CONNECTION TO THE WATERLINE SHALL BE STAINLESS STEEL.
3. WATER SERVICE LINE SHALL BE A MINIMUM OF 1" AND CONNECTED BY A BRASS SADDLE PER APPROPRIATE STANDARD SERVICE CONNECTION.
4. FIRE SPRINKLER CONTRACTOR SHALL CONFIRM 1.5" SERVICE IS SUFFICIENT.
5. LABEL EACH SERVICE AT CURB STOP TO INDICATE SERVICE ADDRESS.
6. LABELS SHALL BE A STAMPED BRASS OR STAINLESS STEEL TAG AND ATTACHED TO TOP OF CURB-STOP BY A BRASS OR STAINLESS STEEL RING.

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRIHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

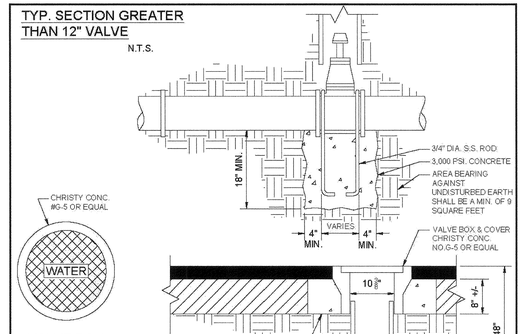
CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS

DETAIL NAME: CLUSTER WATER SERVICE MANIFOLD

APPROVED BY: _____ CITY ENGINEER R.C.E. 48812

DATE: AUGUST 2015

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TYP. SECTION GREATER THAN 12" VALVE
N.T.S.

VALVE BOX & COVER
N.T.S.

TYP. SECTION 12" VALVE & SMALLER
N.T.S.

GENERAL NOTES:

1. VALVE BOX & COVER SHALL BE CHRISTY CONCRETE PRODUCTS NO.G-5 OR EQUAL, W/ DEPTH EXTENSIONS AS REQUIRED.
2. ALL VALVES SHALL HAVE FLANGED CONNECTIONS AT ALL TEES & CROSSES.
3. ALL VALVES SHALL BE SEPARATED FROM JOINTS WITH A 3' TO 6' SECTION OF PIPES.
4. VALVE SHALL BE RESILIENT SEAT GATE (12" OR LESS) OR BUTTERFLY (GREATER THAN 12") PER CITY SPECIFICATION.

SERVICE ABANDONMENT NOTES:

1. REMOVE VALVE AND INSTALL BLIND FLANGE ON THE TEE/CROSS WITH STAINLESS STEEL BOLTS PER CITY STANDARDS.
2. ABANDON SERVICE IN PLACE BY FILLING PIPE WITH LOW STRENGTH CONTROLLED DENSITY FILL MATERIAL AND CAP BOTH ENDS.

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRIHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

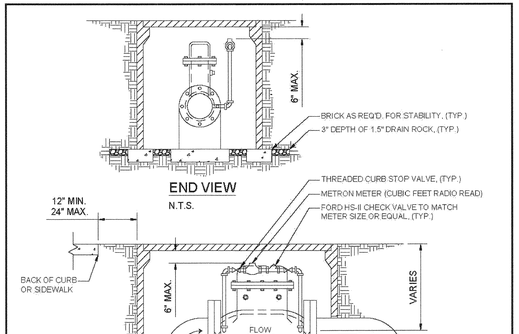
CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS

DETAIL NAME: VALVE INSTALLATION

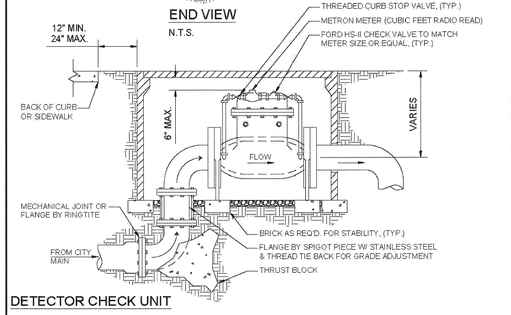
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DATE: AUGUST 2015

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END VIEW
N.T.S.



DETECTOR CHECK UNIT
N.T.S.

GENERAL NOTES:

1. BYPASS METER SHALL BE A METRON RADIO READ. FOR 4" & 6" VALVES USE 7.5" METER. FOR 8" VALVES USE 1" METER FOR 10" VALVES USE 1.5" METER. METERS SHALL READ IN CUBIC FEET.
2. VAULT BOX TO BE APPROVED BY THE CITY ENGINEER.
3. DETECTOR CHECK VALVE SHALL HAVE AN INTEGRAL BYPASS & WEIGHTED CLAPPER & BE UL & FM LISTED.
4. FIRE SERVICE LINE MATERIALS & INSTALLATION FROM THE WATER MAIN SHALL CONFORM TO STANDARD DETAIL FOR 3" & LARGER WATER SERVICE INSTALLATION.
5. DETECTOR CHECK VALVE EXTERIOR FINISH SHALL BE EPOXY COATED.
6. ALL PIPES & FITTINGS FROM MECHANICAL JOINT TO DETECTOR CHECK SHALL BE DUCTILE IRON. BYPASS SHALL BE COPPER OR BRASS.

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRIHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS

DETAIL NAME: DETECTOR CHECK VALVE

APPROVED BY: _____ CITY ENGINEER R.C.E. 48812

DATE: AUGUST 2015

40

KITCHELL

Capital Expenditure Managers
2750 Gateway Oaks Drive
Suite 300
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER JOSHUA R. [illegible] No. C 43970 Exp. 12/31/2017 CIVIL STATE OF CALIFORNIA

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
Reviewed by: _____
Chris Fowler, DSFM III Specialist

DEC 11 2016

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAYBANK ROAD
FAIRFIELD, CA 94533

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CIVIL SITE UTILITY DETAILS - 2 OF 3

SCALE: 0 1/2 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3

DATE 11/9/2016

SHEET C403

REQUIRED BEARING AREA
TOTAL SQUARE FEET

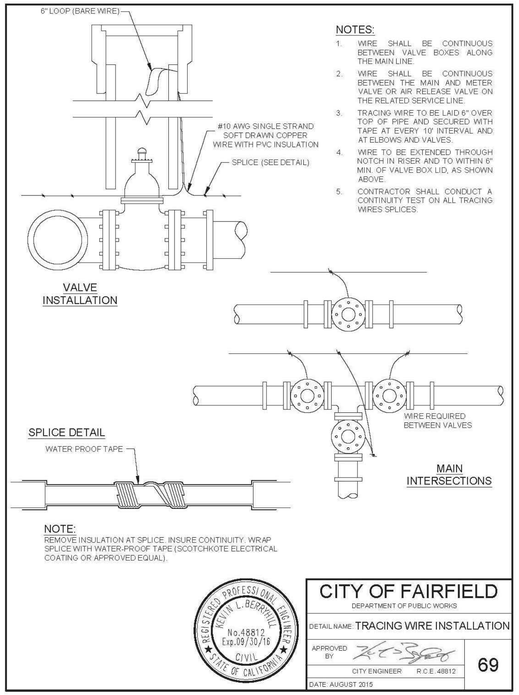
FITTING TYPE		45° BEND	90° BEND	22.5° BEND	TEE OR DEAD END	TEE WITH PLUG	CROSS WITH PLUG
TYPICAL INSTALLATION							
PIPE SIZE	4"	1	2	1	2	2	2
	6"	2	4	1	3	4	4
	8"	5	8	3	6	8	8
	10"	7	14	4	10	14	14
	12"	11	18	6	14	18	18
	16"	19	34	10	23	34	34
	24"	45	83	23	59	83	83

GENERAL NOTES:

1. THRUST BLOCKS TO BE CONSTRUCTED OF 3,000 PSI CONCRETE.
2. BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
3. THRUST BLOCKS SHALL HAVE CONTACT W/ FITTINGS ONLY & REMAIN CLEAR OF PIPE & JOINTS.
4. ALL FITTINGS TO BE SEPARATED FROM JOINTS BY A 3' TO 6' LENGTH OF PIPE.

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRYHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS
DETAIL NAME: HORIZONTAL & THRUST BLOCKS
APPROVED BY: CITY ENGINEER R.C.E. 48812
DATE: AUGUST 2015
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NOTES:

1. WIRE SHALL BE CONTINUOUS BETWEEN VALVE BOXES ALONG THE MAIN LINE.
2. WIRE SHALL BE CONTINUOUS BETWEEN THE MAIN AND METER VALVE OR AIR RELEASE VALVE ON THE RELATED SERVICE LINE.
3. TRACING WIRE TO BE LAID 6" OVER TOP OF PIPE AND SECURED WITH TAPE AT EVERY 10' INTERVAL AND AT ELBOWS AND VALVES.
4. WIRE TO BE EXTENDED THROUGH NOTCH IN RISER AND TO WITHIN 6" MIN. OF VALVE BOX LID, AS SHOWN ABOVE.
5. CONTRACTOR SHALL CONDUCT A CONTINUITY TEST ON ALL TRACING WIRES SPLICES.

NOTE:
REMOVE INSULATION AT SPLICE. INSURE CONTINUITY. WRAP SPLICE WITH WATER-PROOF TAPE (SCOTCHKOTE ELECTRICAL COATING OR APPROVED EQUAL).

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRYHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS
DETAIL NAME: TRACING WIRE INSTALLATION
APPROVED BY: CITY ENGINEER R.C.E. 48812
DATE: AUGUST 2015
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REQUIRED TIE DOWN
CUBIC FEET OF CONCRETE

FITTING TYPE		22.5° BEND	45° BEND	90° BEND
TYPICAL INSTALLATION				
PIPE SIZE	4"	8	27	40
	6"	19	34	60
	8"	31	56	100
	10"	48	89	160
	12"	62	120	220
	16"	121	225	400
	24"	270	530	970

GENERAL NOTES:

1. THRUST BLOCKS TO BE CONSTRUCTED OF 3,000 PSI CONCRETE.
2. BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
3. THRUST BLOCKS SHALL HAVE CONTACT W/ FITTINGS ONLY & REMAIN CLEAR OF PIPE & JOINTS.
4. ALL FITTINGS TO BE SEPARATED FROM JOINTS BY A 3' TO 6' LENGTH OF PIPE.

REGISTERED PROFESSIONAL ENGINEER KEVIN L. BERRYHILL No.48812 Exp.09/30/16 CIVIL STATE OF CALIFORNIA

CITY OF FAIRFIELD
DEPARTMENT OF PUBLIC WORKS
DETAIL NAME: VERTICAL THRUST BLOCKS
APPROVED BY: CITY ENGINEER R.C.E. 48812
DATE: AUGUST 2015
44

2

UNDERGROUND PIPING FOR PRIVATE FIRE SERVICE MAINS, HYDRANTS, FIRE SPRINKLERS AND FIRE STANDPIPES

1. PRIOR TO INSTALLATION, ALL PLANS AND SPECIFICATIONS SHALL BE APPROVED BY THE OFFICE OF THE STATE FIRE MARSHAL.
2. INSPECTIONS ARE REQUIRED: 1)PRIOR TO POURING THRUST BLOCKS, 2)OF THRUST BLOCKS AND JOINTS 3)HYDROSTATIC TESTING, AND 4)FOR FLUSH. SCHEDULE ALL INSPECTIONS 72 HOURS IN ADVANCE. CALL THE LOCAL DEPUTY STATE FIRE MARSHAL FOR INSPECTION SCHEDULING.
3. INSTALLATION, INSPECTION, AND TESTING SHALL CONFORM TO 2013 NFPA 13 AND 2013 NFPA 24.
4. GEOTECHNICAL ENGINEERING REPORT TO COMPLIMENT THRUST BLOCK DESIGN MUST BE LISTED ON PLANS.
5. PRIVATE FIRE HYDRANTS SHALL BE APPROVED TYPE AND HAVE NOT LESS THAN A 6 INCH DIAMETER CONNECTIOIN WITH THE MAINS. ALL OUTLETS SHALL BE PROVIDED WITH NATIONAL STANDARD THREADS (NST).
6. A VALVE SHALL BE INSTALLED IN THE HYDRANT CONNECTIONS; ALL VALVES SHALL BE INSTALLED WITHIN 20 FEET OF THE HYDRANT.
7. FIRE HYDRANTS SHALL BE LOCATED NOT LESS THAN 40 FEET FROM THE BUILDINGS TO BE PROTECTED. A KEYED GATE VALVE SHALL BE PROVIDED FOR EACH HYDRANT IN AN ACCESSIBLE LOCATION. VALVES SHALL NOT BE LOCATED IN PARKING STALLS.
8. HYDRANTS SHALL BE PROTECTED IF SUBJECT TO MECHANICAL DAMAGE. THE MEANS OF PROTECTION SHALL BE ARRANGED IN A MANNER THAT DOES NOT INTERFERE WITH CONNECTION TO OR OPERATION OF HYDRANTS.
9. PIPING SHALL BE LISTED FOR FIRE PROTECTION SERVICE OR SHALL COMPLY WITH THE STANDARDS IN 2013 NFPA 24 TABLE 10.1.1.
10. ALL BURIED FITTINGS SHALL BE OF AN APPROVED TYPE WITH JOINTS AND PRESSURE CLASS RATINGS COMPATIBLE WITH THE PIPE USED.
11. ALL BOLTS USED FOR UNDERGROUND CONNECTIONS SHALL BE STAINLESS STEEL. ALL CORROSION PROTECTION SHALL BE IN PLACE.
12. ALL BOLTED JOINT ACCESSORIES SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION-RETARDING MATERIAL AFTER INSTALLATION.
13. THE DEPTH OF COVER OVER WATER PIPES SHALL BE DETERMINED BY THE MAXIMUM DEPTH OF FROST PENETRATION IN THE LOCALITY WHERE THE PIPE IS LAID; TOP OF THE PIPE SHALL BE BURIED NOT LESS THAN 1 FT. BELOW THE FROST LINE FOR THE FACILITY.
14. IN THOSE LOCATIONS WHERE FROST IS NOT A FACTOR, THE DEPTH OF COVER SHALL NOT BE LESS THAN 2 ½ FT. TO PREVENT MECHANICAL DAMAGE. WHEN SURFACE LOADS ARE EXPECTED, A MINIMUM OF 3 FT. COVER SHALL BE PROVIDED.
15. ALL TEES, PLUGS, CAPS, BENDS, REDUCERS, VALVES, AND HYDRANT BRANCHES SHALL BE RESTRAINED AGAINST MOVEMENT IN ACCORDANCE WITH 2013 NFPA §10.8.2 OR §10.8.3.
16. THRUST BLOCKS, OR OTHER APPROVED METHOD OF THRUST RESTRAINT, SHALL BE PROVIDED WHEREVER PIPE CHANGES DIRECTION.
17. THE TRENCH SHALL BE EXCAVATED FOR THRUST BLOCKS AND INSPECTED PRIOR TO POUR. THRUST BLOCKS SHALL BE PLACED BETWEEN UNDISTURBED EARTH AND THE FITTING TO BE RESTRAINED AND SHALL BE CAPABLE OF RESISTING THE CALCULATED THRUST FORCE.
18. THRUST BLOCKS SHALL BE PLACED SO THAT THE JOINTS ARE ACCESSIBLE FOR REPAIR.
19. A HYDROSTATIC TEST (200 PSI FOR TWO HOURS OR 50 PSI OVER MAXIMUM STATIC PRESSURE, WHICHEVER IS GREATER) SHALL BE WITNESSED BY A DEPUTY STATE FIRE MARSHAL. THE TRENCH SHALL BE BACK-FILLED BETWEEN THE JOINTS TO PREVENT MOVEMENT OF THE PIPE.
20. THE SYSTEM SHALL BE THOROUGHLY FLUSHED BEFORE CONNECTION IS MADE TO OVERHEAD PIPING. FLOW SHALL BE THROUGH A MINIMUM OF A 4" HOSE OR PIPE UNLESS OTHERWISE APPROVED BY THE DEPUTY STATE FIRE MARSHAL. A DEPUTY STATE FIRE MARSHAL SHALL WITNESS THE FLUSH.
21. CONTROL VALVES SHALL BE SUPERVISED BY ONE OF THE 4 ACCEPTABLE METHODS LISTED IN 2014 NFPA 24 §6.7.2.

KITCHELL
Capital Expenditure Managers
2750 Gateway Oaks Drive
Suite 300
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER DONALD A. HAY No.: 39970 Exp.12/31/2017 CIVIL STATE OF CALIFORNIA

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAYBANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
CIVIL SITE UTILITY DETAILS - 3 OF 3

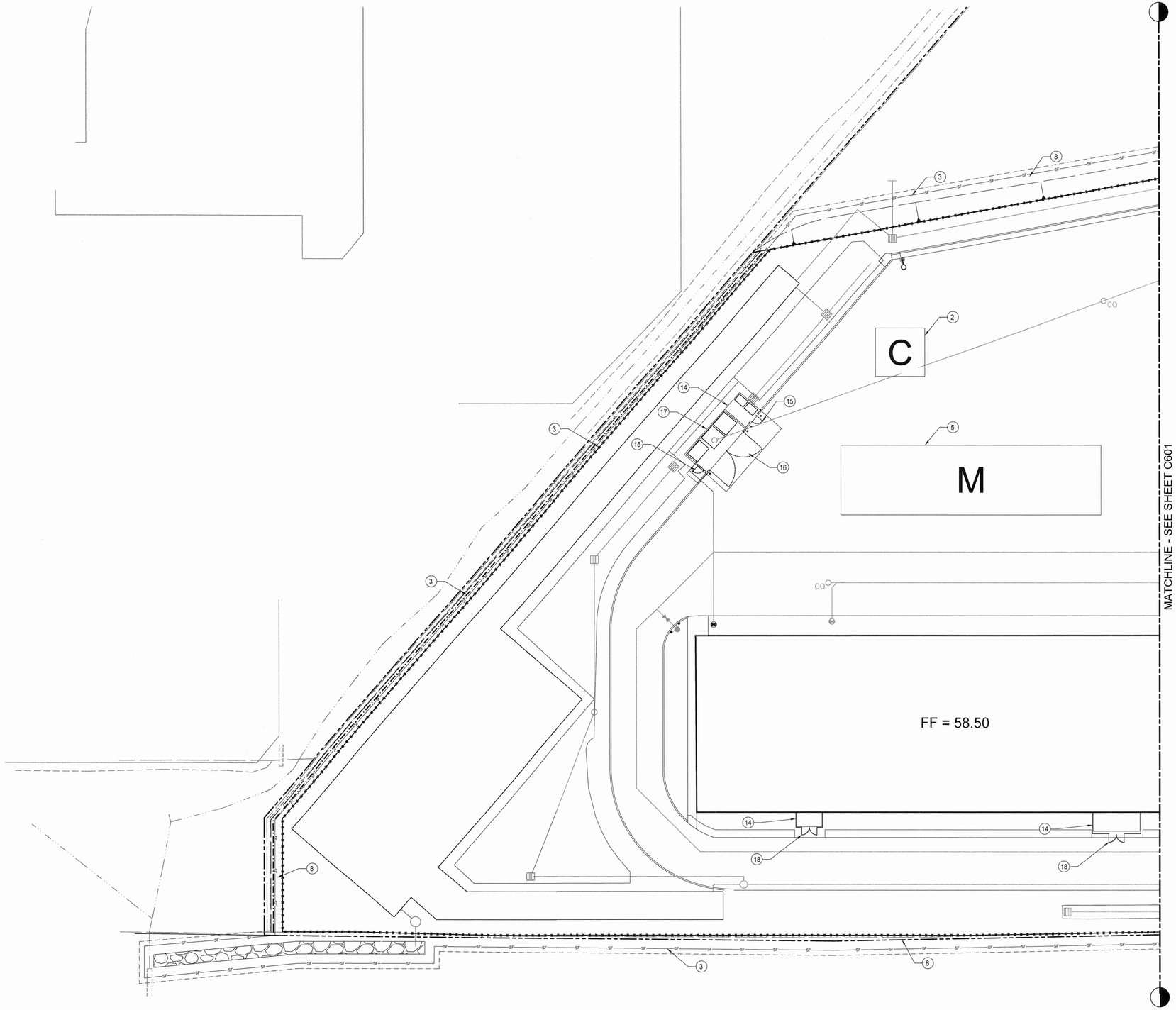
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REVISIONS

No.	Description	Date
2	Addendum #3	2/21/17

JOB NO. 4907A3
DATE 11/9/2016
SHEET C404

Addendum 3



1 CIVIL EROSION CONTROL & FENCING PLAN
NTS

0 10 20 40
1" = 20

N

EROSION CONTROL KEY NOTES:

1. INSTALL STABILIZED CONSTRUCTION SITE ACCESS PER TC-1 ON SHEET C608 AND PER CASQA BMP TC-1.
2. ALTERNATE LOCATION: INSTALL CONCRETE WASHOUT PER CASQA BMP NS-8. CONTRACTOR MAY ALSO INSTALL A ROLL-OFF CONCRETE WASHOUT, PROVIDED THAT IT IS SIZED TO HANDLE AN EQUIVALENT VOLUME OF WASH WATER, RAINFALL, AND DEBRIS. CONCRETE WASHOUTS SHALL NOT BE INSTALLED BELOW GRADE. SEE SHEET C601A FOR ALTERNATE LOCATION.
3. INSTALL SILT FENCE AT PROPERTY LINE AND OTHER AREAS AS NOTED PER SE-1 ON SHEET C608 AND PER CASQA BMP SE-1.
4. INSTALL SAND/GRAVEL BAGS PER CASQA BMP SE-8.
5. ALTERNATE LOCATION: MATERIALS/DEBRIS STORAGE AREA: REFER TO THE PROJECT SWPPP FOR PROTECTION MEASURES. SEE SHEET C601A FOR ALTERNATE LOCATION.
6. STOCKPILE AREAS SHALL BE PROTECTED PER CASQA BMP WM-3, "STOCKPILE MANAGEMENT." STOCKPILES SHALL BE PLACED A MINIMUM OF 50 FEET FROM CREEKS, WATERWAYS, AND STORM DRAINAGE SYSTEMS.

FENCING KEY NOTES:

7. INSTALL ORANGE PROTECTIVE FENCING AROUND TREES TO REMAIN (AT THE DRIPLINES).
8. INSTALL NEW PERIMETER SECURITY FENCING PER DETAIL 1, SHEET C602.
9. CONNECT (N) FENCING TO (E) PER DETAIL 9, SHEET C603.
10. CONNECT (N) FENCING TO (N) BUILDING PER DETAIL 7, SHEET 603.
11. INSTALL PEDESTRIAN SECURITY GATE PER DETAIL 4A, SHEET C602.
12. INSTALL SWING VEHICULAR GATE PER DETAIL 3, SHEET 602.
13. INSTALL FENCED ENCLOSURE PER DETAIL 8, SHEET C603.
14. INSTALL FENCE PER DETAIL 4, SHEET C604.
15. INSTALL PEDESTRIAN GATE PER DETAIL 5, SHEET C604.
16. INSTALL SWING GATE PER DETAIL 3, SHEET C604.
17. INSTALL CMU WALL PER DETAIL 1, SHEET S502.
18. INSTALL SWING GATE PER DETAIL 1A, SHEET C604.

LEGEND:

- STABILIZED CONSTRUCTION ACCESS (TO REMAIN IN PLACE FOLLOWING CONSTRUCTION)
- SF — SILT FENCE
- GRAVEL BAGS / GRAVEL BAG BARRIER
- C — CONCRETE WASHOUT (ADJUST MAP AS LOCATED)
- M — MATERIAL STORAGE, STAGING, MAINTENANCE AREA (ADD TO OR ADJUST AS LOCATED IN FIELD)
- T — CONSTRUCTION TRAILER AREA (ADD TO ADJUST MAP AS LOCATED IN FIELD)
- SITE FENCE (PERMANENT)

KITCHELL
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(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER
JOSHUA A. [illegible]
No. C-70970
Exp. 12/31/2017
CIVIL
STATE OF CALIFORNIA

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FOR CONCEPT/PANIC ONLY
Reviewed by: [signature]
Chris Fowler, DSFM III Specialist
DEC 11 2016
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAYBANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

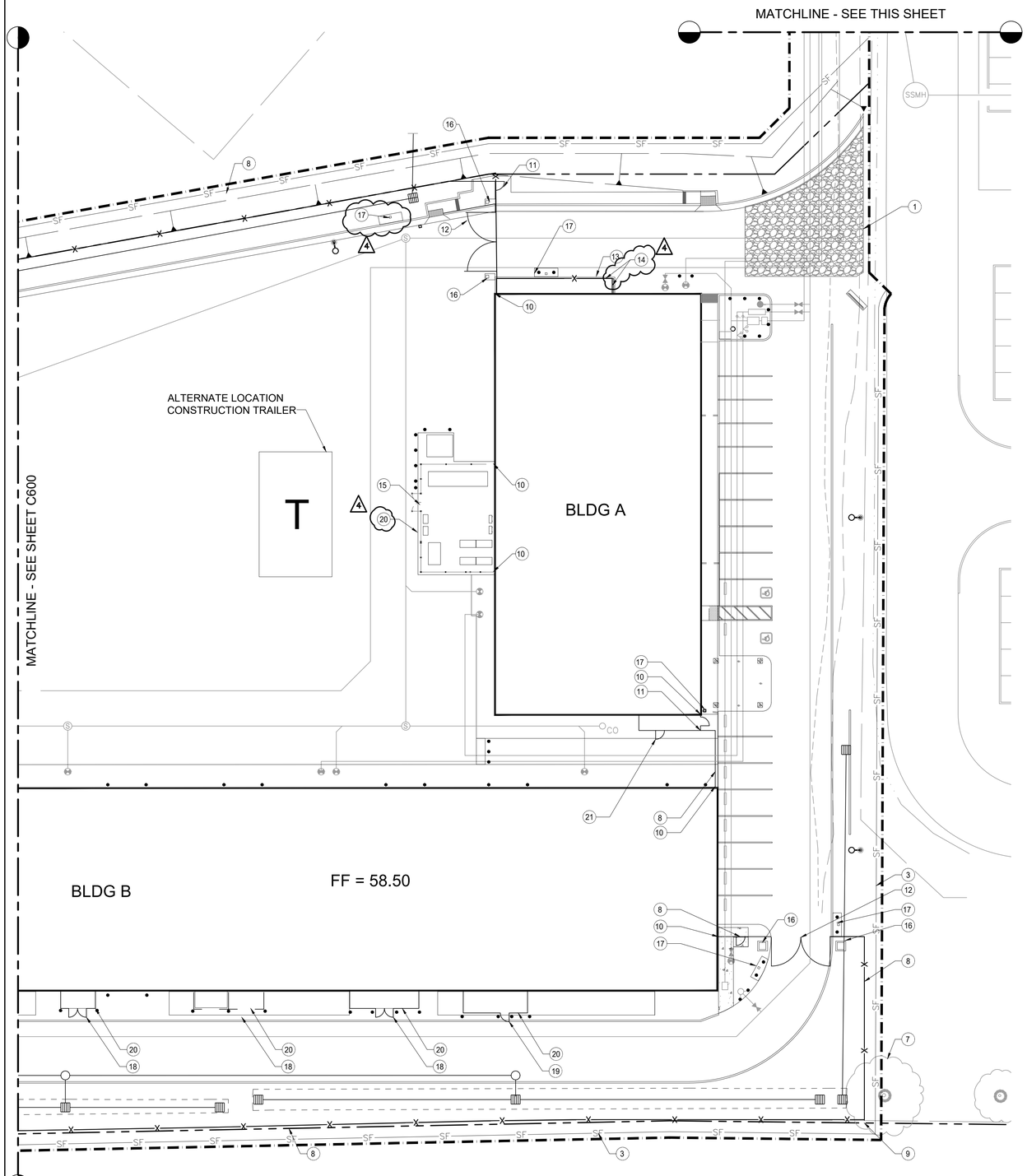
SHEET TITLE:
CIVIL EROSION CONTROL & FENCING PLAN - 1 OF 2

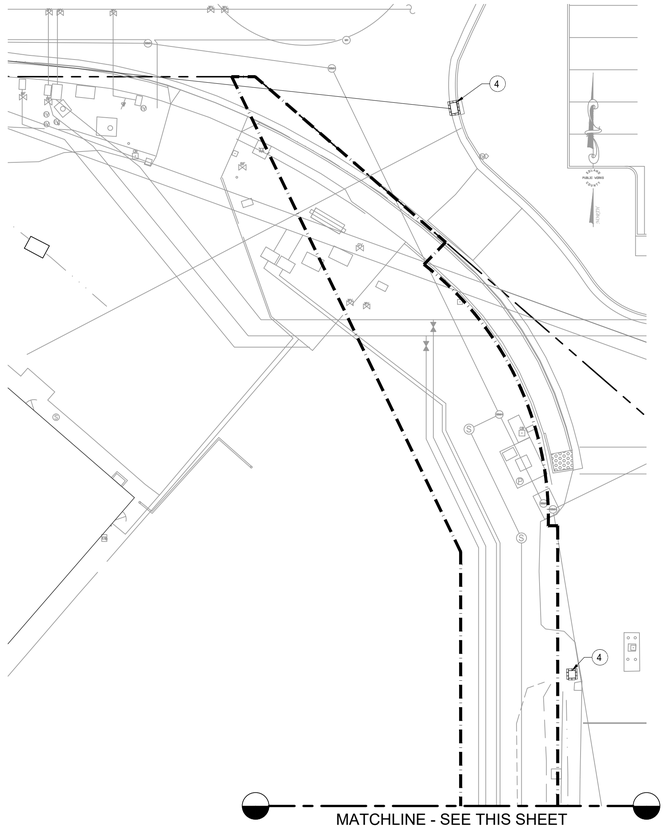
SCALE: 0 1/2" — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET C600





NOTE:
FOR EROSION CONTROL AND FENCING PLAN LEGEND, SEE SHEET C600.

EROSION CONTROL KEY NOTES:

1. INSTALL STABILIZED CONSTRUCTION SITE ACCESS PER TC-1 ON SHEET C608 AND PER CASQA BMP TC-1.
2. INSTALL CONCRETE WASHOUT PER CASQA BMP NS-8. CONTRACTOR MAY ALSO INSTALL A ROLL-OFF CONCRETE WASHOUT, PROVIDED THAT IT IS SIZED TO HANDLE AN EQUIVALENT VOLUME OF WASH WATER, RAINFALL, AND DEBRIS. CONCRETE WASHOUTS SHALL NOT BE INSTALLED BELOW GRADE.
3. INSTALL SILT FENCE AT PROPERTY LINE AND OTHER AREAS AS NOTED PER SE-1 ON SHEET C608 AND PER CASQA BMP SE-1.
4. INSTALL SAND/GRAVEL BAGS PER CASQA BMP SE-8.
5. INSTALL SILT FENCE AT PROPERTY LINE AND OTHER AREAS AS NOTED PER SE-1 ON SHEET C608 AND PER CASQA BMP SE-1.
6. STOCKPILE AREAS SHALL BE PROTECTED PER CASQA BMP WM-3, "STOCKPILE MANAGEMENT." STOCKPILES SHALL BE PLACED A MINIMUM OF 50 FEET FROM CREEKS, WATERWAYS, AND STORM DRAINAGE SYSTEMS.

FENCING KEY NOTES:

7. INSTALL ORANGE PROTECTIVE FENCING AROUND TREES TO REMAIN (AT THE DRIPLINES).
8. INSTALL NEW PERIMETER SECURITY FENCING PER DETAIL 1, SHEET C602.
9. CONNECT (N) FENCING TO (E) PER DETAIL 9, SHEET C603.
10. CONNECT (N) FENCING TO (N) BUILDING PER DETAIL 7, SHEET 603.
11. INSTALL PEDESTRIAN SECURITY GATE PER DETAIL 4A, SHEET C602.
12. INSTALL SWING VEHICULAR GATE PER DETAIL 3, SHEET 602.
13. INSTALL FENCED ENCLOSURE PER DETAIL 8, SHEET C603.
14. NO RAZOR WIRE. (4)
15. INSTALL SWING GATE PER DETAIL 1, SHEET C604.
16. INSTALL PEDESTAL FOR GATE MOTOR. SEE SHEET ES301.
17. INSTALL PEDESTAL FOR INTERCOM PER DETAIL 1 & 2, SHEET A805.
18. INSTALL SWING GATE PER DETAIL 1A, SHEET C604.
19. INSTALL PEDESTRIAN GATE PER DETAIL 5, SHEET C604.
20. INSTALL FENCE PER DETAIL 4, SHEET C604.
21. INSTALL PEDESTRIAN GATE PER DETAIL 4B, SHEET C602.

1 CIVIL EROSION CONTROL & FENCING PLAN
NTS

0 10 20 40
1" = 20

N

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FAIRFIELD, CA 94533

SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
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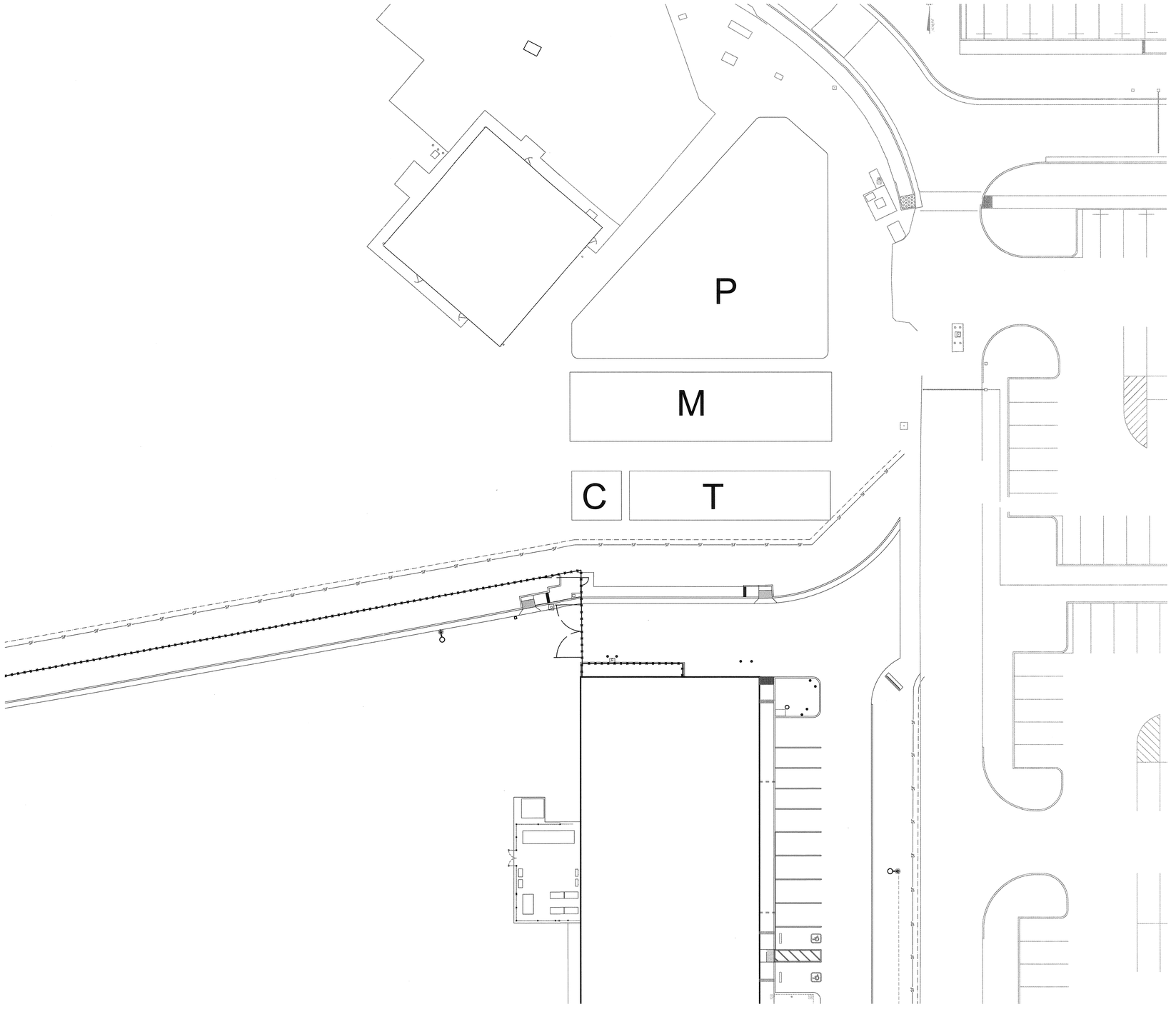
SHEET TITLE:
CIVIL EROSION CONTROL & FENCING PLAN - 2 OF 2

SCALE: 0 1/2 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
2	ADDENDUM #2	2/10/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET C601



LEGEND:

- STABILIZED CONSTRUCTION ACCESS (TO REMAIN IN PLACE FOLLOWING CONSTRUCTION)
- SF — SILT FENCE
- GRAVEL BAGS / GRAVEL BAG BARRIER
- C — CONCRETE WASHOUT (ADJUST MAP AS LOCATED)
- M — MATERIAL STORAGE, STAGING, MAINTENANCE AREA (ADD TO OR ADJUST AS LOCATED IN FIELD)
- T — CONSTRUCTION TRAILER AREA (ADD TO ADJUST MAP AS LOCATED IN FIELD)
- P — CONTRACTOR PARKING
- SITE FENCE (PERMANENT)

1 ALTERNATE CIVIL EROSION CONTROL & FENCING PLAN
NTS

0 10 20 40
1" = 20

N

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OFFICE OF THE STATE FIRE MARSHAL
APPROVED-PLANS ONLY
Reviewed by: [illegible]
Chris Fowler, DSFM III Specialist
DEC 11 2016
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SOLANO COUNTY

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PROJECT STATUS:
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SHEET TITLE:
ALTERNATE CIVIL EROSION CONTROL & FENCING PLAN

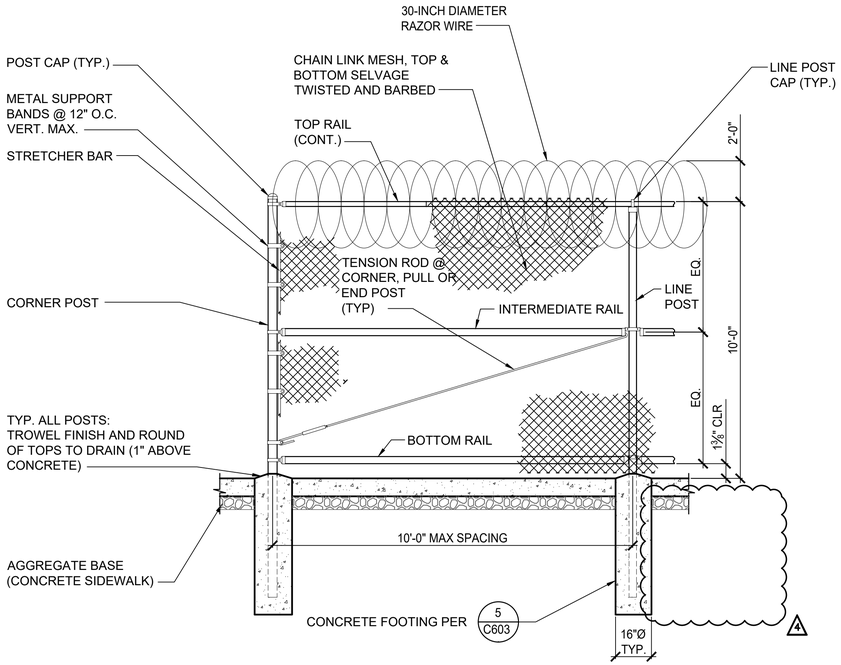
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REVISIONS

No.	Description	Date

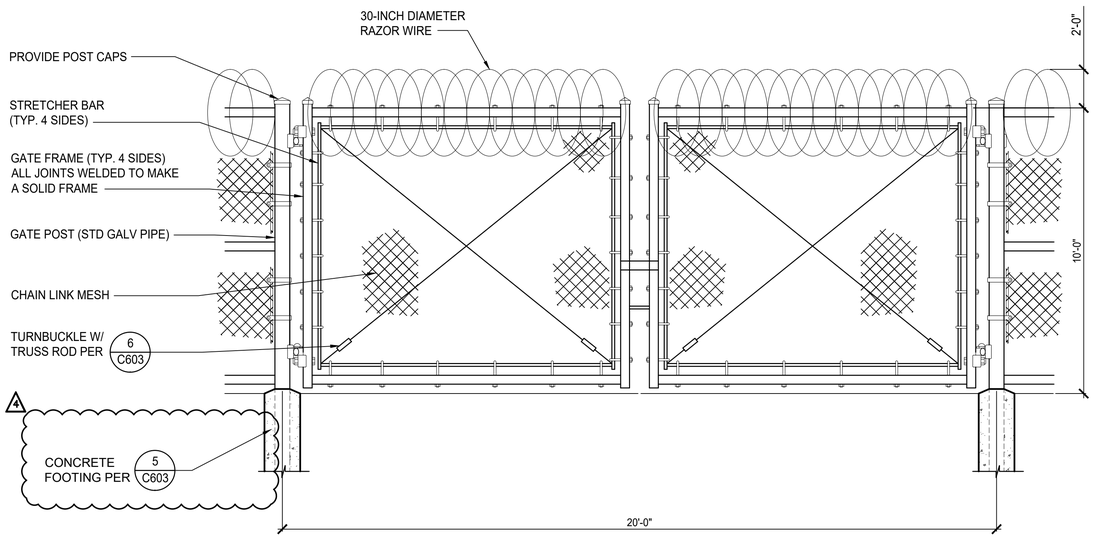
JOB NO. 4907A3
DATE 11/9/2016
SHEET C601A

NOTE:
FOR ADDITIONAL INFORMATION REGARDING FENCE GATES, SEE SHEETS A102, A801, A802, AND A810.

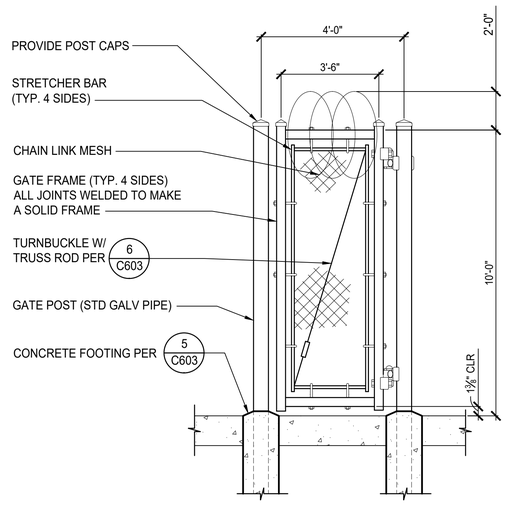


1 — SECURE PERIMETER FENCE
NTS

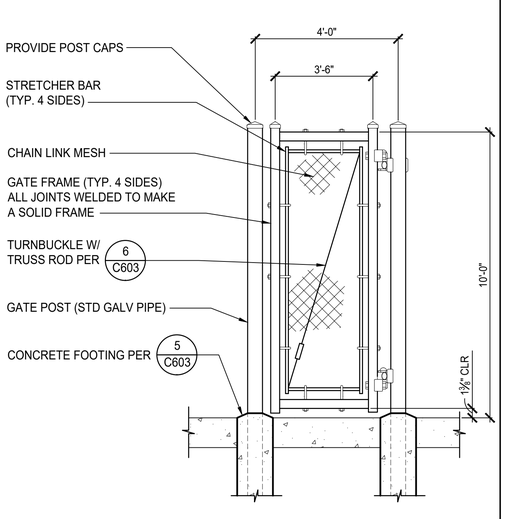
2 — NOT USED
NTS



3 — SWING GATES
NTS



4A — SECURED PEDESTRIAN GATE
NTS



4B — PEDESTRIAN GATE
NTS

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FAIRFIELD, CA 94533

SOLANO COUNTY

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100% CONSTRUCTION DOCUMENTS

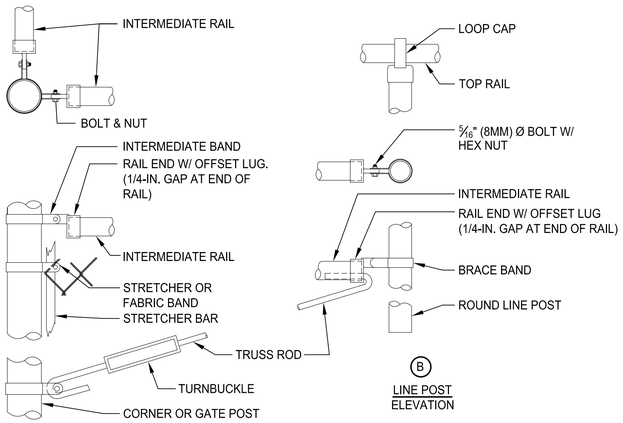
SHEET TITLE:
PERIMETER FENCING DETAILS

SCALE: 0 1/2 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

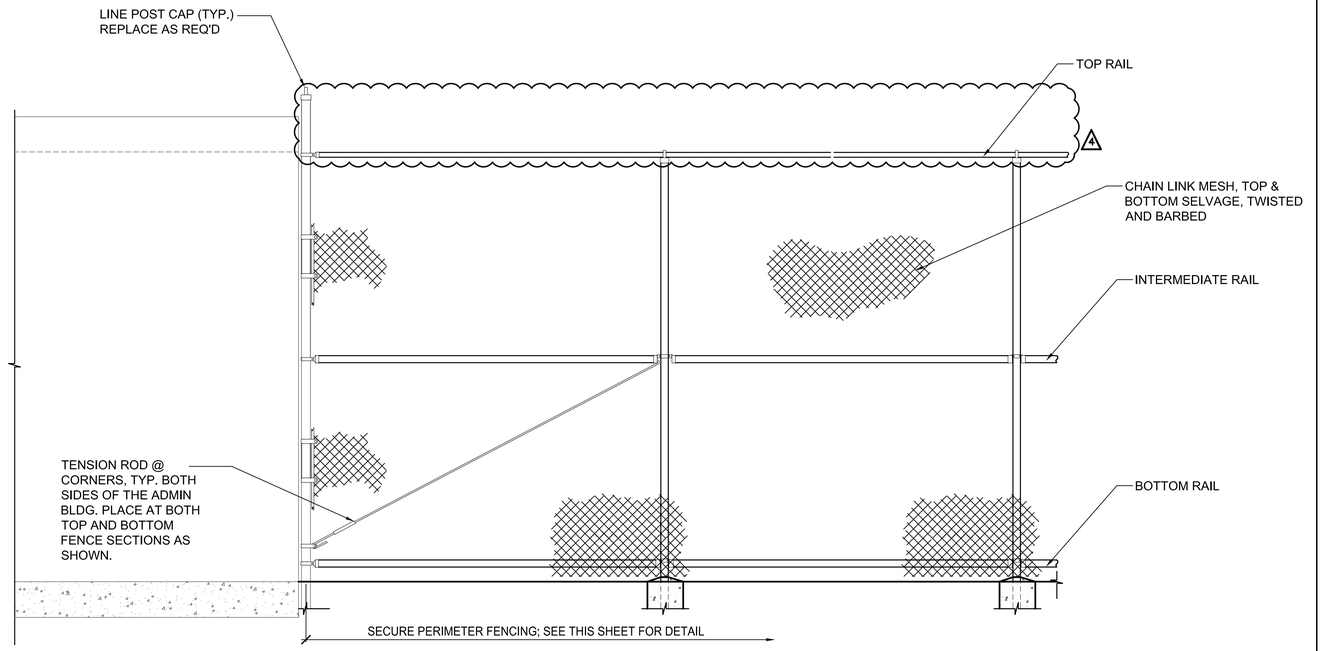
No.	Description	Date
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET C602

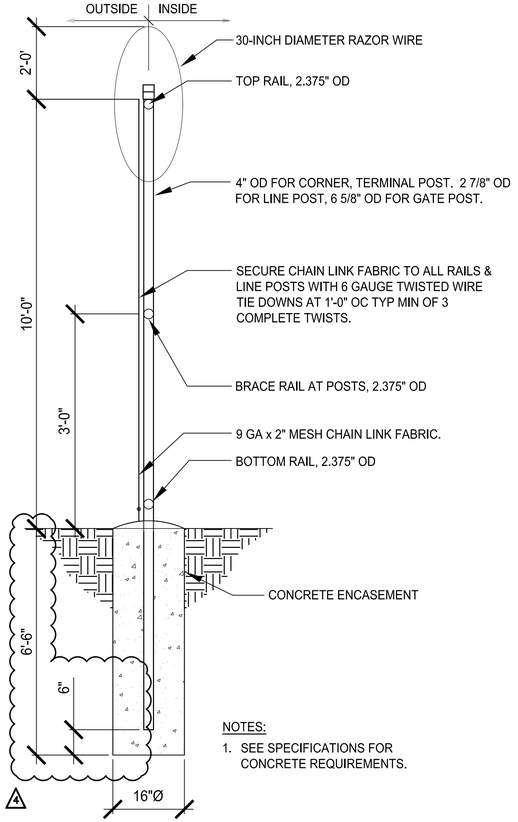


A
CORNER OR GATE POST
ELEVATION

B
LINE POST
ELEVATION

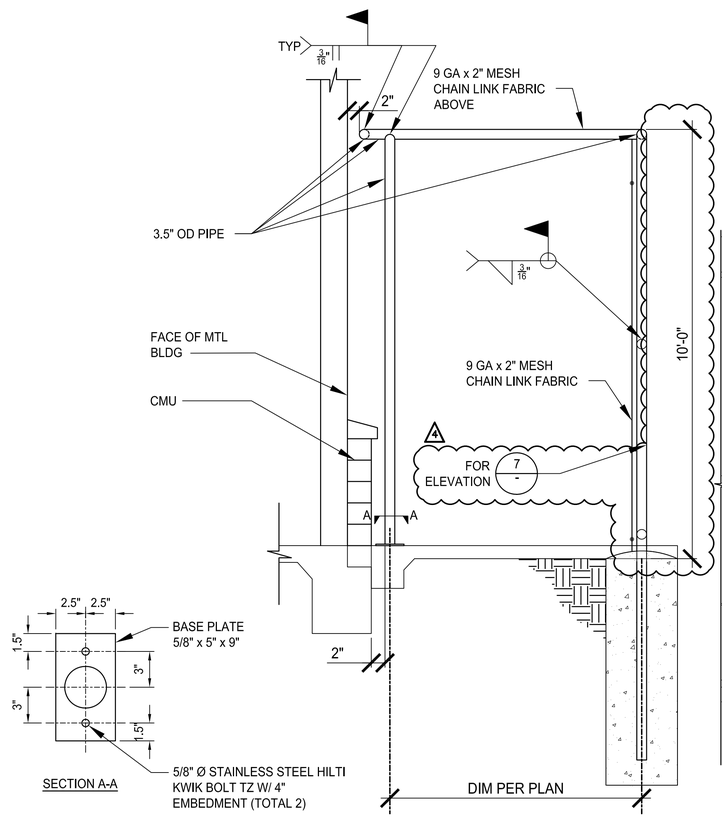


6 FENCE CONNECTION DETAILS
NTS

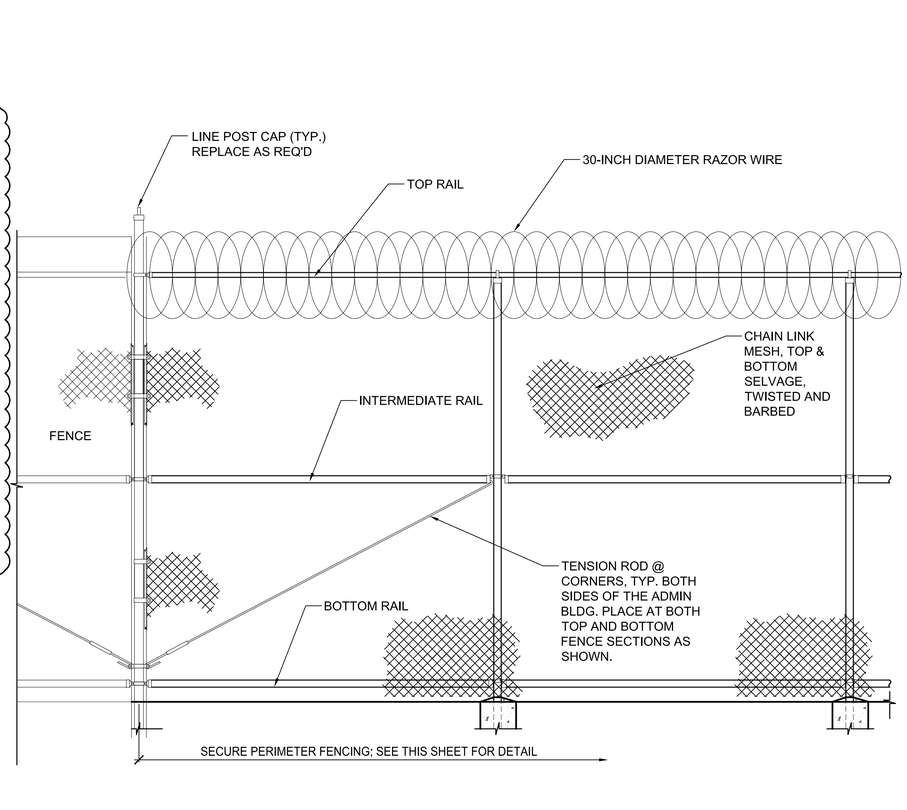


NOTES:
1. SEE SPECIFICATIONS FOR CONCRETE REQUIREMENTS.

5 TYP POST FOOTING
NTS



8 FENCE ENCLOSURE
NTS



9 CONNECTION TO FENCE
NTS

7 BUILDING FENCE CONNECTION
NTS

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SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
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SHEET TITLE:
PERIMETER FENCING DETAILS

SCALE: 0 1/2 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

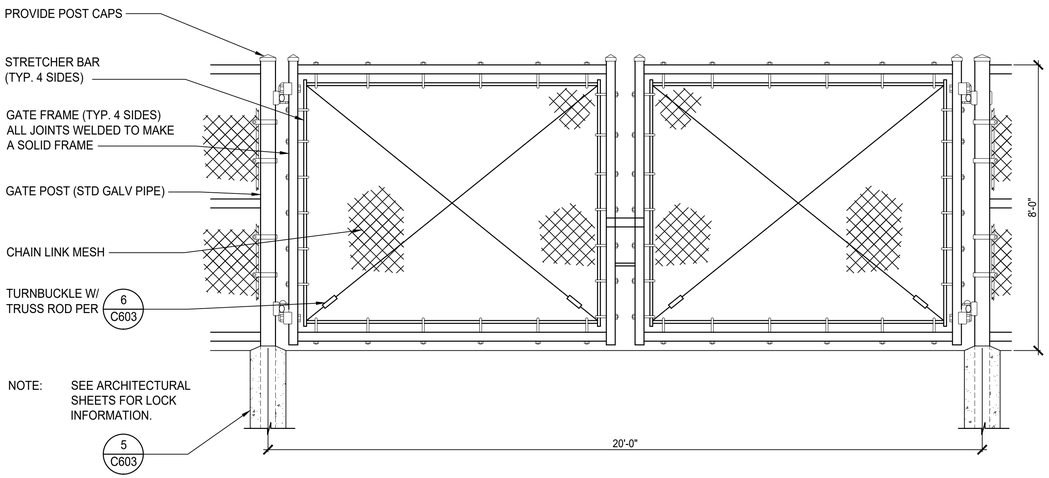
No.	Description	Date
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2	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET C603

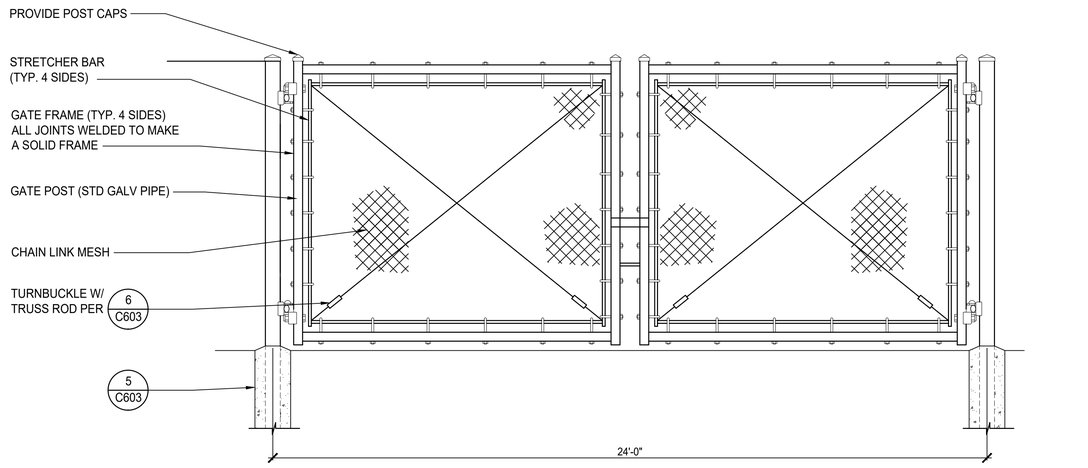
NOTICE TO CONTRACTOR:

SECURITY MUST BE MAINTAINED AT ALL TIMES TO THE SATISFACTION OF THE SHERIFF'S DEPARTMENT.

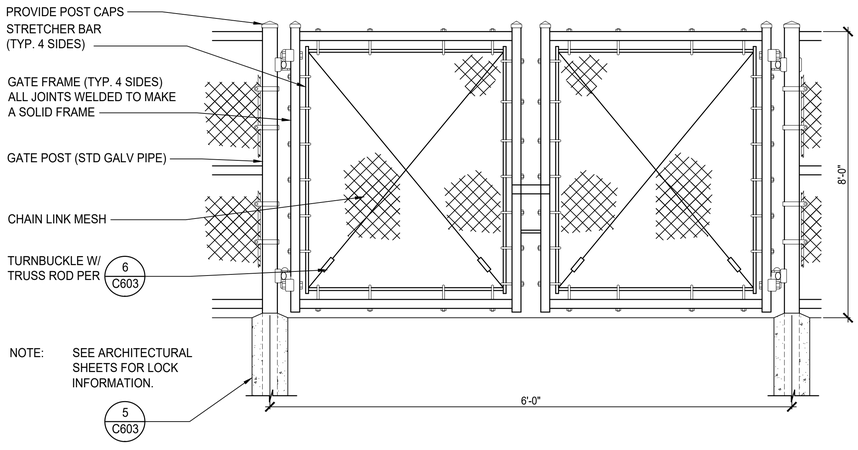
NOTE:
FOR ADDITIONAL INFORMATION REGARDING FENCE GATES, SEE SHEETS A102, A801, A802, AND A810.



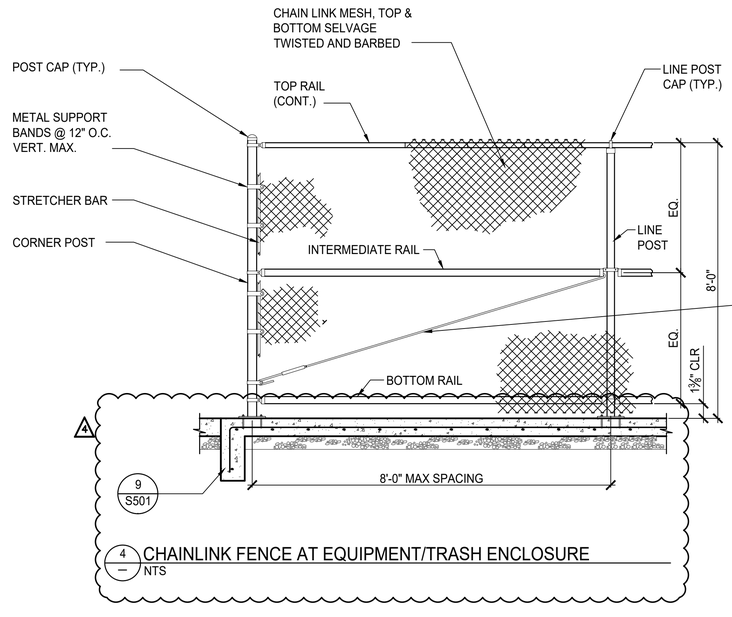
1/— SWING GATE
NTS



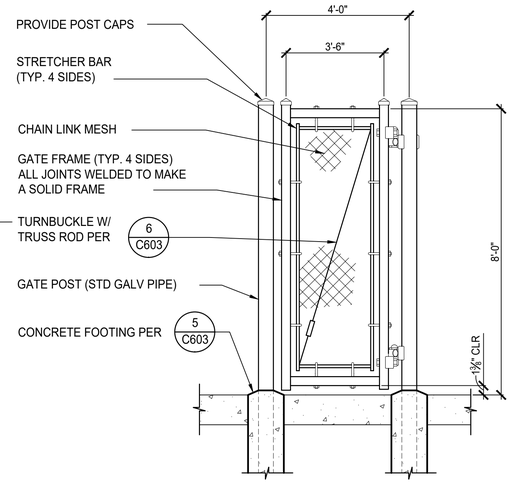
3/— TRASH ENCLOSURE SWING GATE
NTS



1A/— SWING GATE
NTS



4/— CHAINLINK FENCE AT EQUIPMENT/TRASH ENCLOSURE
NTS



5/— PEDESTRIAN GATE
NTS

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SOLANO COUNTY

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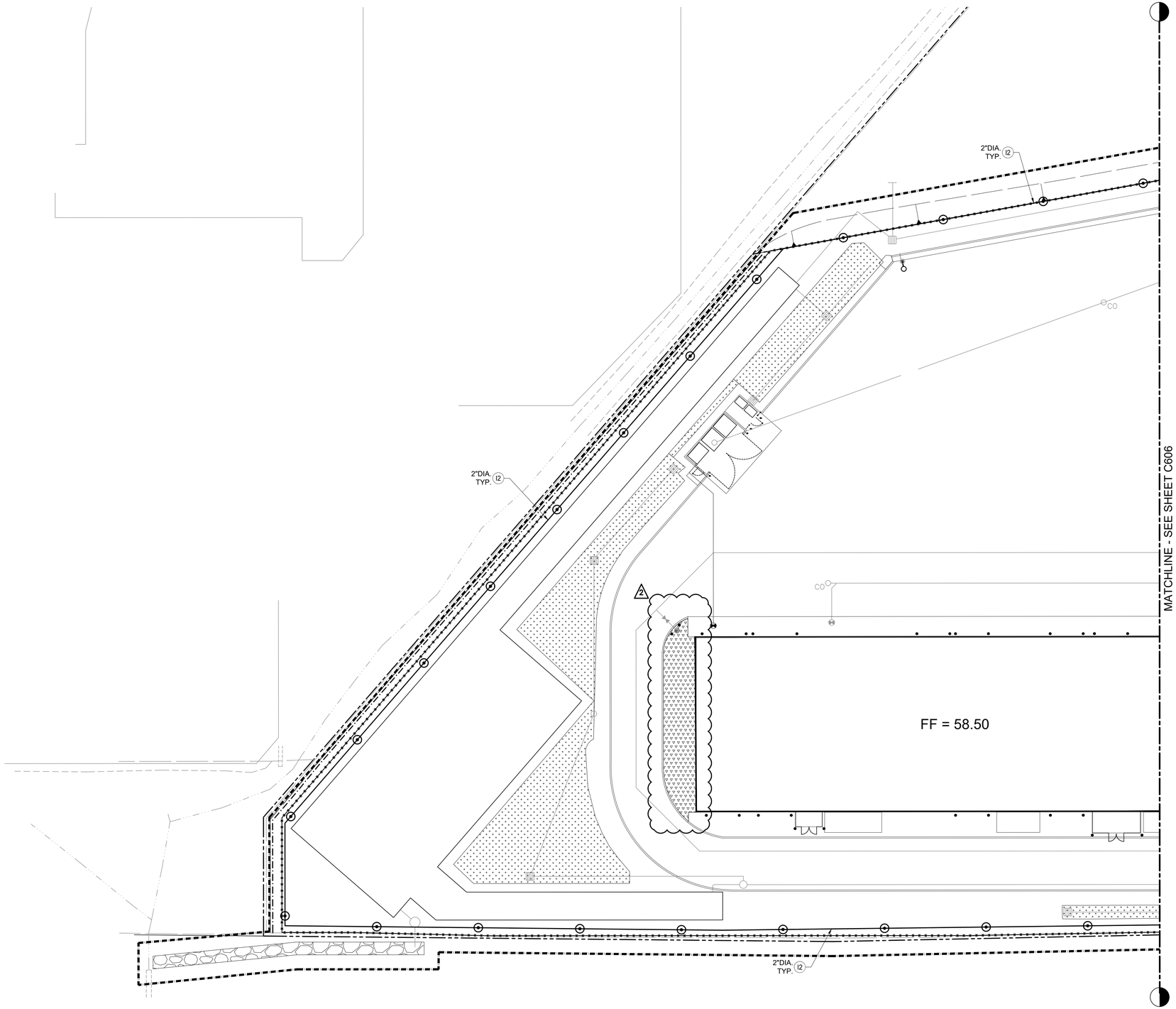
SHEET TITLE:
PERIMETER FENCEING DETAILS

SCALE: 0 1/2 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
2	ADDENDUM #2	2/10/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET C604



1 CIVIL LANDSCAPE PLAN

0 10 20 40
1" = 20

N

SITE PLANTING GENERAL NOTES:

1. SEED ALL DISTURBED AREAS WITHIN CONSTRUCTION LIMITS NOT COVERED BY PAVING OR OTHERWISE NOTED.
2. REPAIR ALL EXISTING AREAS OUTSIDE OF CONTRACT LIMIT LINE WHICH ARE DISTURBED DURING CONSTRUCTION AT NO COST TO THE OWNER.
3. BACKFILL TO TOP OF CURB.
4. ALL DEBRIS SPILLED ON THE PUBLIC ROW OR ADJACENT PROPERTY SHALL BE PICKED UP BY THE CONTRACTOR AT THE END OF EACH WORK DAY.

LEGEND:

- HYDROSEED MIX: SHALL BE NATIVE OR ADAPTIVE, AND SELECTED TO BE COMPATIBLE WITH THE REGIONAL CLIMATE. CONTRACTOR TO SUBMIT SEED MIX FOR REVIEW AND APPROVAL, INCLUDING STABILIZATION MEASURES (EG. TACKIFIER, MULCH, ETC.) AS RECOMMENDED BY THE SEED DISTRIBUTOR.
- BARK
- SITE FENCE (PERMANENT)
- QUICK COUPLING VALVE. SEE DETAIL 1 ON SHEET C607 FOR DETAIL. (2)

CONSTRUCTION KEY NOTES:

- (I1) CONNECT TO EXISTING IRRIGATION LINE. INSTALL TRAFFIC RATED VALVE BOX.
- (I2) INSTALL PVC IRRIGATION LINE. SIZE PER PLAN.
- (I3) INSTALL T JUNCTION.

IRRIGATION NOTES

IRRIGATION TO BE INSTALLED WITHIN PROJECT PROPERTY BOUNDARY. SEE SHEET C607 FOR ADDITIONAL INFORMATION REGARDING IRRIGATION INSTALLATION.

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SHEET TITLE:
CIVIL LANDSCAPE PLAN - 1 OF 2

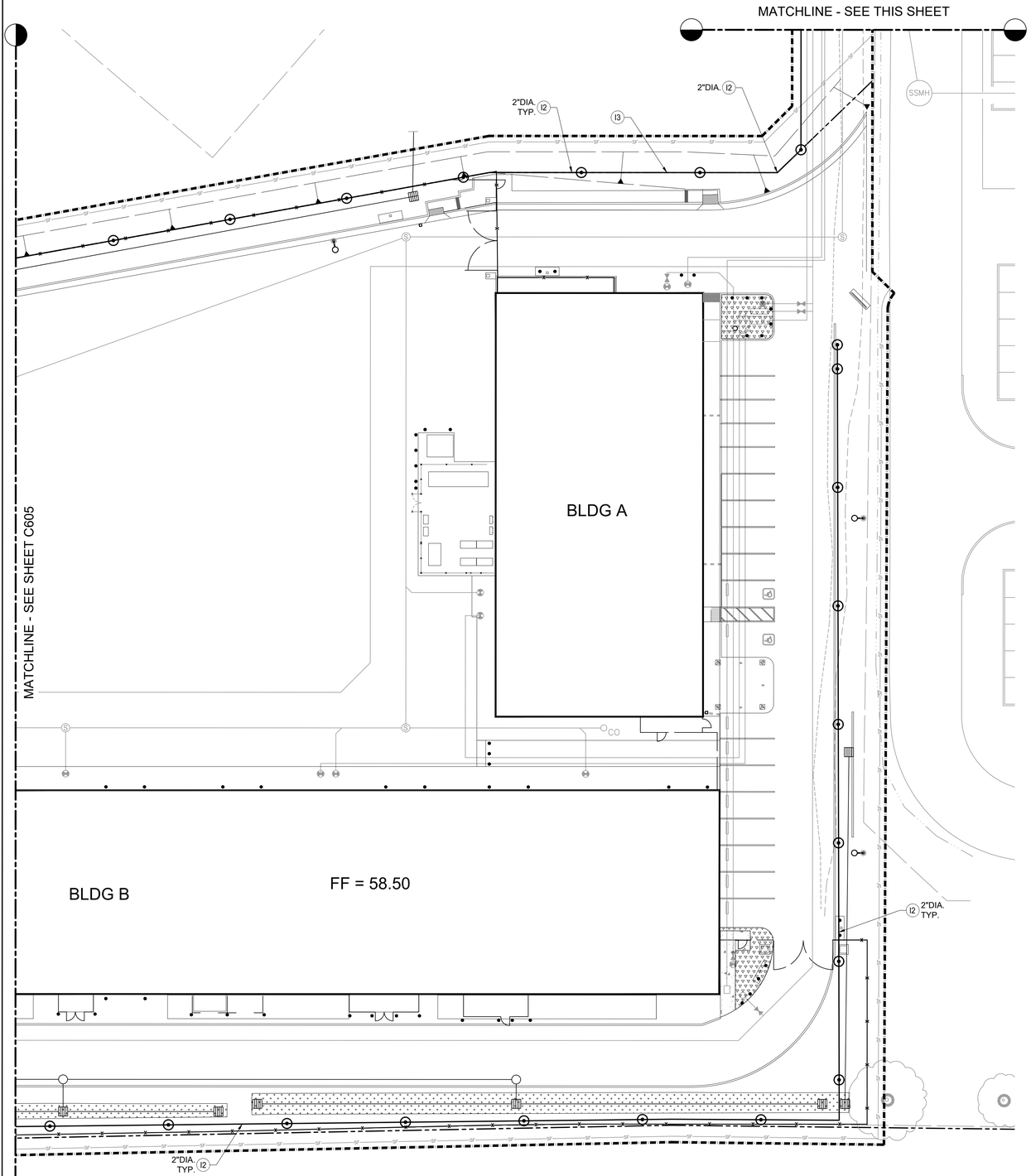
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REVISIONS

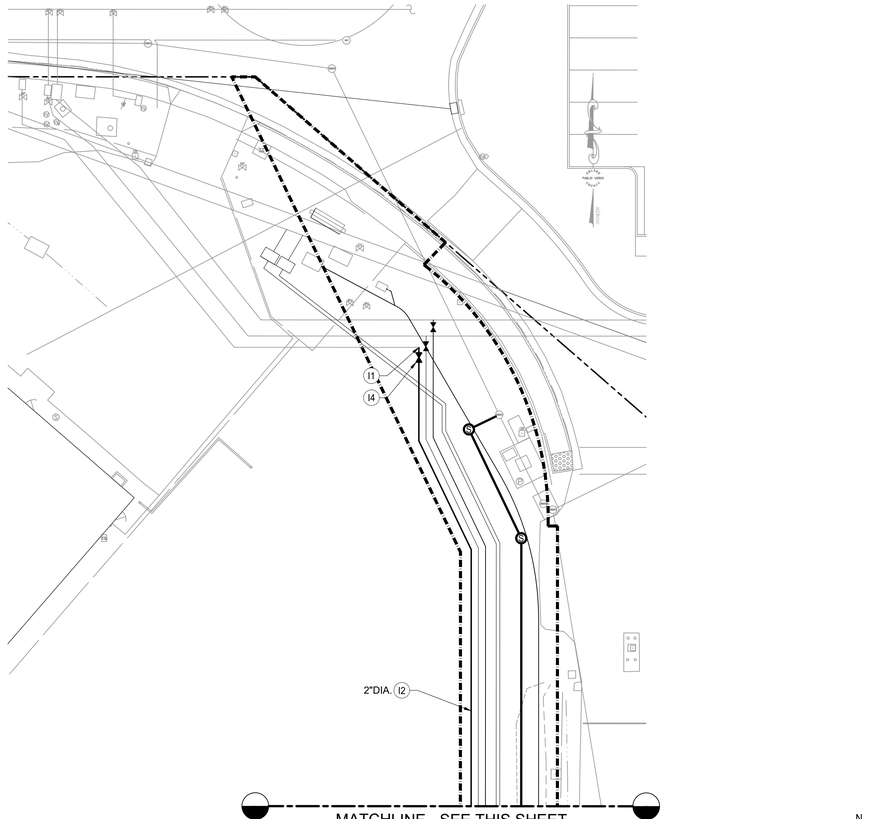
No.	Description	Date
2	Addendum #3	2/21/17

JOB NO. 4907A3
DATE 11/9/2016
SHEET C605

Addendum 3



1 CIVIL LANDSCAPE PLAN



0 10 20 40 N
1" = 20

CONSTRUCTION KEY NOTES:

(I1) CONNECT TO EXISTING IRRIGATION LINE. INSTALL TRAFFIC RATED VALVE BOX.

(I2) INSTALL PVC IRRIGATION LINE. SIZE PER PLAN.

(I3) INSTALL T JUNCTION.

(I4) INSTALL VALVE.

IRRIGATION NOTES

IRRIGATION TO BE INSTALLED WITHIN PROJECT PROPERTY BOUNDARY. SEE SHEET C607 FOR ADDITIONAL INFORMATION REGARDING IRRIGATION INSTALLATION.

SITE PLANTING GENERAL NOTES:

1. SEED ALL DISTURBED AREAS WITHIN CONSTRUCTION LIMITS NOT COVERED BY PAVING OR OTHERWISE NOTED.
2. REPAIR ALL EXISTING AREAS OUTSIDE OF CONTRACT LIMIT LINE WHICH ARE DISTURBED DURING CONSTRUCTION AT NO COST TO THE OWNER.
3. BACKFILL TO TOP OF CURB.
4. ALL DEBRIS SPILLED ON THE PUBLIC ROW OR ADJACENT PROPERTY SHALL BE PICKED UP BY THE CONTRACTOR AT THE END OF EACH WORK DAY.

LEGEND:

HYDROSEED MIX: SHALL BE NATIVE OR ADAPTIVE, AND SELECTED TO BE COMPATIBLE WITH THE REGIONAL CLIMATE. CONTRACTOR TO SUBMIT SEED MIX FOR REVIEW AND APPROVAL, INCLUDING STABILIZATION MEASURES (EG. TACKIFIER, MULCH, ETC.) AS RECOMMENDED BY THE SEED DISTRIBUTOR.

BARK

SITE FENCE (PERMANENT)

QUICK COUPLING VALVE. SEE DETAIL 1 ON SHEET C607 FOR DETAIL. (2)

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SOLANO COUNTY

SFM REVIEW SUBMITTAL

PROJECT STATUS:
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SHEET TITLE:
CIVIL LANDSCAPE PLAN - 2 OF 2

SCALE: 0 1/2 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

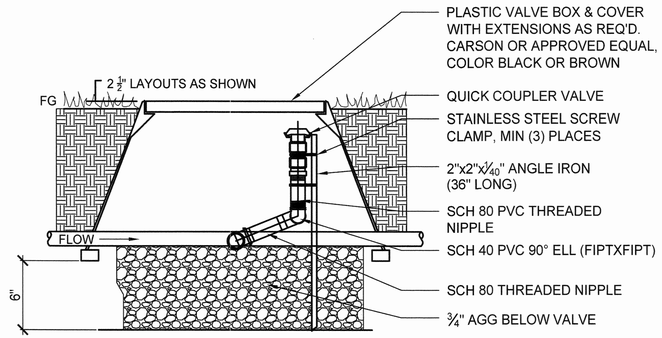
No.	Description	Date
3	Addendum #3	2/21/17

JOB NO. 4907A3
DATE 11/9/2016
SHEET C606

Addendum 3

NOTICE TO CONTRACTOR:

SECURITY MUST BE MAINTAINED AT ALL TIMES TO THE SATISFACTION OF THE SHERIFF'S DEPARTMENT.



1 — QUICK COUPLING VALVE
NTS

IRRIGATION NOTES

1. IRRIGATION LAYOUTS AS SHOWN ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, ETC. MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS WHERE POSSIBLE. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC. WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.

2. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH AS DESCRIBED IN NOTE 3.

3. DURING THE MAINTENANCE PERIOD, IT IS THE RESPONSIBILITY OF THE LANDSCAPE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM IRRIGATION CONTROLLERS TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES INPUTTING DATA TO THE PROGRAM FOR SPECIFIC SITE CONDITIONS INCLUDING; SOIL TYPE, TREE TYPE, WATER REQUIREMENTS, MOUNDS AND SLOPES, SUN, SHADE AND WIND EXPOSURES, ETC.

4. THE IRRIGATION CONTRACTOR SHALL SCHEDULE A MEETING WHICH INCLUDES REPRESENTATIVES OF THE IRRIGATION EQUIPMENT MANUFACTURERS, THE MAINTENANCE CONTRACTOR, THE OWNER AND IRRIGATION CONTRACTOR AT THE SITE FOR INSTRUCTION ON THE PROPER PROGRAMMING AND OPERATION OF IRRIGATION CONTROLLER.

5. SOLVENT CEMENT AND PRIMER FOR SOLVENT WELD JOINTS SHALL BE BE OF MAKE AND TYPE APPROVED BY MANUFACTURER(S) OF PIPE AND FITTINGS. CEMENT SHALL BE MAINTAINED AT PROPER CONSISTENCY THROUGHOUT USE. PIPE JOINT COMPOUND SHALL BE NON-HARDENING, NON-TOXIC MATERIALS DESIGNED SPECIFICALLY FOR USE ON THREADED CONNECTIONS IN WATER CARRYING PIPE. PERFORMANCE SHALL BE SAME AS PERMATEX NO. 51.

6. ALL ARTICLES AND SERVICES INSTALLED UNDER THIS CONTRACT SHALL MEET OR EXCEED THE SAFETY AND HEALTH ACT OF 1970, TOGETHER WILL ALL AMENDMENTS IN EFFECT OF THE DATE OF THESE DRAWINGS. THE CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, GUARDS, WARNING SIGNS, AND LIGHTS AS NECESSARY OR REQUIRED BY OSHA REGULATIONS FOR THE PROTECTION OF THE PUBLIC OR WORKMEN.

7. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE; THE UNIFORM PLUMBING CODE, PUBLISHED BY THE WESTERN PLUMBING OFFICIALS ASSOCIATION; AND OTHER STATE OR LOCAL LAWS OR REGULATIONS. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR REGULATIONS. THE CONTRACTOR SHALL FURNISH WITHOUT ANY EXTRA CHARGE, ANY ADDITIONAL MATERIAL AND LABOR WHEN REQUIRED BY THE COMPLIANCE WITH THESE CODES AND REGULATIONS.

8. THE IRRIGATION LAYOUT SHALL BE CHECKED BY THE CONTRACTOR AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONSTRUCTION TO DETERMINE IF ANY CHANGES, DELETIONS, OR ADDITIONS ARE REQUIRED.

9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FILL AND REPAIR ALL DEPRESSIONS AND REPLACE ALL NECESSARY PLANTING DUE TO THE SETTLEMENT OF IRRIGATION FOR ONE YEAR (OR AS AGREED) FOLLOWING COMPLETION AND ACCEPTANCE OF THE JOB. THE CONTRACTOR SHALL ALSO GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FURNISHED BY HIM/HER TO BE FREE OF ALL DEFECTS OF WORKMANSHIP AND MATERIALS, AND SHALL AGREE TO REPLACE AT HIS/HER EXPENSE , AT ANY TIME WITHIN ONE YEAR (OR AS AGREED) AFTER INSTALLATION IS ACCEPTED, ANY AND ALL DEFECTIVE PARTS THAT MAY BE FOUND.

10. WHEN WORK OF THIS SECTION HAS BEEN COMPLETED AND SUCH OTHER TIMES AS MAY BE DIRECTED, REMOVE ALL TRASH, DEBRIS, SURPLUS MATERIALS AND EQUIPMENT FORM SITE.

11. THE VALVES SPECIFIED ON THESE DRAWINGS ARE A PRESSURE REGULATING TYPE. SET THE DISCHARGE PRESSURE AT EACH VALVE AS REQUIRED TO OBTAIN OPERATING PRESSURE AT THE HIGHEST IRRIGATION OUTLET FOR EACH VALVE ZONE.

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REGISTERED PROFESSIONAL ENGINEER
JOSHUA A. [illegible]
No. C-63970
Exp. 12/31/2017
CIVIL
STATE OF CALIFORNIA

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FOR SECURITY PANIC ONLY
Reviewed by [illegible]
Chris Fowler, DSFM III Specialist
DEC 11 2016
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAYBANK ROAD
FAIRFIELD, CA 94533

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
IRRIGATION NOTES AND DETAILS

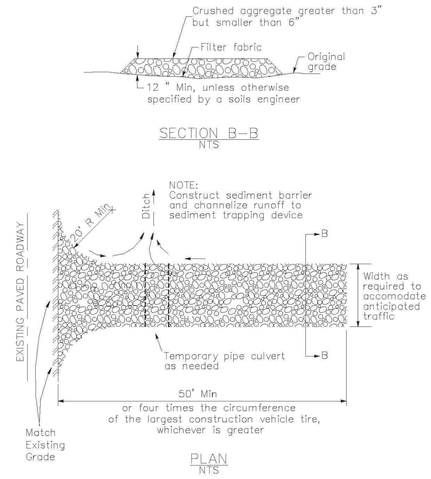
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REVISIONS

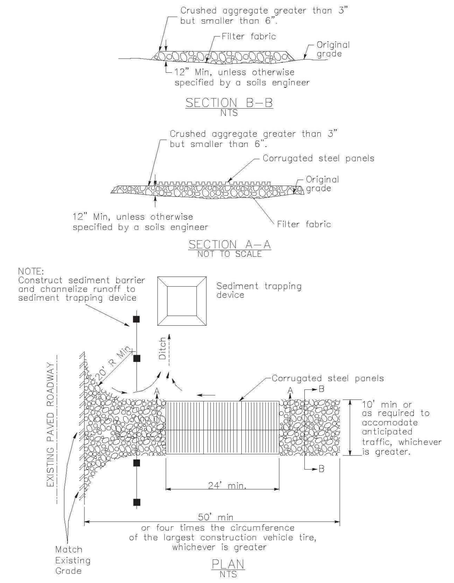
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET C607

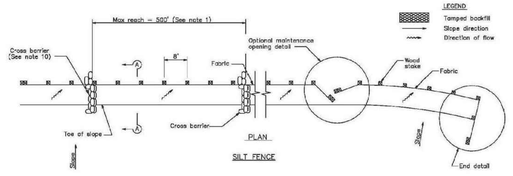
Stabilized Construction Entrance/ Exit TC-1



Stabilized Construction Entrance/ Exit TC-1

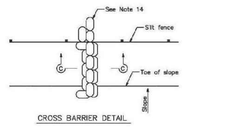


Silt Fence SE-1

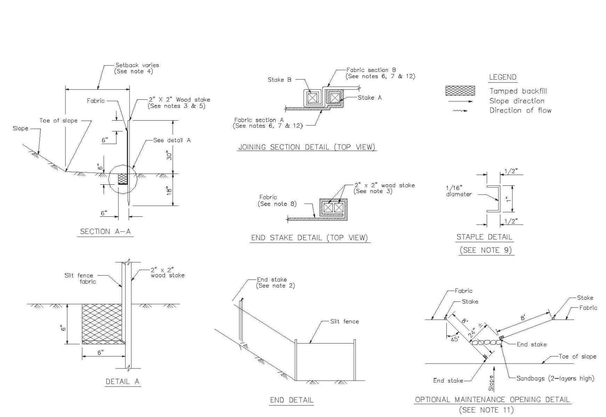


NOTES

1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the linear barrier, in no case shall the reach length exceed 500'.
2. The last 8'-0" of fence shall be turned up slope.
3. Stake dimensions are nominal.
4. Dimension may vary to fit field condition.
5. Stakes shall be spaced at 8'-0" maximum and shall be positioned on downstream side of fence.
6. Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
7. Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
8. For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
9. Minimum 4 staples per stake. Dimensions shown are typical.
10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
11. Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
12. Joining sections shall not be placed at sump locations.
13. Sandbag rows and layers shall be offset to eliminate gaps.
14. Add 3-4 bags to cross barrier on downgradient side of silt fence as needed to prevent bypass or undermining and as allowable based on site limits of disturbance.



Silt Fence SE-1



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FAIRFIELD, CA 94533

SFM REVIEW SUBMITTAL

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
EROSION CONTROL DETAILS

SCALE: 0 1/2 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
2	Addendum #3	2/21/17
1		
1		
1		
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1		

JOB NO. 4907A3
DATE 11/9/2016
SHEET C608

Addendum 3

STRUCTURAL ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
@	AT	LAT'L	LATERAL
AB	ANCHOR BOLT	LL	LIVE LOAD
ABV	ABOVE	LLH	LONG LEG HORIZONTAL
AGGR	AGGREGATE	LLV	LONG LEG VERTICAL
ALT	ALTERNATE	LS	LAG SCREW
APA	AMERICAN PLYWOOD ASSOCIATION	LW	LIGHT WEIGHT
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCH'L	ARCHITECTURAL	MB	MACHINE BOLT
		MECH'L	MECHANICAL
BLDG	BUILDING	MFR	MANUFACTURER
BLKG	BLOCKING	MISC	MISCELLANEOUS
BLW	BELOW	MTL	METAL
BM	BEAM		
BOC	BOTTOM OF CONCRETE	(N)	NEW
BOF	BOTTOM OF FOOTING	No.	NUMBER
BOT	BOTTOM	NS	NEAR SIDE
BRG	BEARING	NTS	NOT TO SCALE
BTWN	BETWEEN	NW	NORMAL WEIGHT
CBC	CALIFORNIA BUILDING CODE	OC	ON CENTER
CC	CENTER TO CENTER	OD	OUTSIDE DIAMETER
CIP	CAST IN PLACE	OH	OPPOSITE HAND
CJ	CONSTRUCTION OR CONTROL JOINT	OPNG	OPENING
		OSB	ORIENTED STRAND BOARD
CJP	COMPLETE JOINT PENETRATION	OVS	OVERSIZED
CL	CENTERLINE	LBS or #	POUNDS
CLR	CLEAR	PC	PIECE
CMU	CONCRETE MASONRY UNIT	PERP	PERPENDICULAR
COL	COLUMN	PJP	PARTIAL JOINT PENETRATION
CONC	CONCRETE	PL	PLATE
CONN	CONNECTION	PT	PRESSURE TREATED
CONT	CONTINUOUS	PW	PLYWOOD
CONTR	CONTRACTOR	R	RADIUS
CP	COMPLETE PENETRATION	REINF	REINFORCING
CSK	COUNTERSINK	REQ'D	REQUIRED
CTR	CENTER		
DBL	DOUBLE	SC	SLIP CRITICAL
DF	DOUGLAS FIR	SED	SEE ELECTRICAL DRAWINGS
DIA or ø	DIAMETER	SHTG	SHEATHING
DIAG	DIAGONAL	SIM	SIMILAR
DIM	DIMENSION	SMS	SHEET METAL SCREW
DL	DEAD LOAD	SOG	SLAB ON GRADE
DO	DITTO	SP	STRUCTURAL PLYWOOD/PANEL
DWG	DRAWING	SQ	SQUARE
(E)	EXISTING	STD	STANDARD
EA	EACH	STFNR	STIFFENER
EF	EACH FACE	STGRD	STAGGERED
EJ	EXPANSION JOINT	STL	STEEL
EL	ELEVATION	STRUCT	STRUCTURAL
ELECT	ELECTRICAL	SYM	SYMMETRICAL
EMBED	EMBEDMENT		
EN	EDGE NAILING	T&B	TOP AND BOTTOM
EOS	EDGE OF SLAB	T&G	TONGUE & GROOVE
EQ	EQUAL	THRD	THREADED
Eq	EARTHQUAKE	TN	TOE NAIL
EQUIV	EQUIVALENT	TOC	TOP OF CONCRETE
ES	EACH SIDE	TOF	TOP OF FOOTING
EW	EACH WAY	TOM	TOP OF MASONRY
EWEF	EACH WAY EACH FACE	TOS	TOP OF STEEL
EXT	EXTERIOR	TOT	TOTAL
		TOW	TOP OF WALL
FB	FACE OF BLOCK (OR BRICK) OR FLAT BAR	TYP	TYPICAL
FC	FACE OF CONCRETE OR FRAMING CLIP (SIMPSON A35 UNO)	UNO	UNLESS NOTED OTHERWISE
		UON	UNLESS OTHERWISE NOTED
FDN	FOUNDATION	VERT	VERTICAL
FF	FINISH FLOOR		
FG	FINISH GRADE	W/	WITH
FLR	FLOOR	WD	WIND
FN	FIELD NAILING	WF	WIDE FLANGE
FOC	FACE OF CURB	WP	WORK POINT
FS	FACE OF STUD OR FAR SIDE	WT	WEIGHT
FT(')	FOOT/FEET OR FIRE TREATED	WWF	WELDED WIRE FABRIC
FTG	FOOTING		
GA	GAUGE OR GAGE		
GALV	GALVANIZED		
GLB	GLUED LAMINATED BEAM		
HB	HEADED BOLT		
HDR	HEADER		
HK	HOOK		
HORIZ	HORIZONTAL		
HSB	HIGH STRENGTH BOLT		
HSS	HOLLOW STRUCTURAL STEEL		
HT	HEIGHT		
ID	INSIDE DIAMETER		
INTR	INTERIOR		
JH	JOIST HANGER		
JT	JOINT		

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CONCRETE

1. STRUCTURAL CONCRETE SHALL ATTAIN 28 DAY COMPRESSIVE STRENGTH AS REQUIRED IN NOTE #24. MAXIMUM SLUMP SHALL NOT EXCEED 4 INCHES.
2. CONCRETE MIX DESIGNS SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER, REVIEWED BY OWNER'S TESTING LABORATORY AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.
3. CEMENTITIOUS MATERIALS:
   CEMENT SHALL CONFORM TO ASTM C-150 TYPE II.
   FLY ASH SHALL CONFORM TO ASTM C-618. MAX QUANTITY OF FLYASH SHALL BE AS GIVEN IN SPECS (15% MAX UNO).
4. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE AND ASTM C-330 FOR LIGHTWEIGHT CONCRETE.
5. NON-SHRINK GROUT OR DRYPACK SHALL CONSIST OF A PREMIXED NONMETALLIC FORMULA.
6. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 FOR #4 AND LARGER, AND ASTM A-615 GRADE 40 FOR #3 AND SMALLER, EXCEPT REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A-706. CONTRACTOR SHALL SUBMIT REBAR MILL CERTIFICATES.
7. ALL PREHEATING AND WELDING OF REINFORCING BARS SHALL BE DONE IN ACCORDANCE WITH AWS D1.4 LATEST EDITION AND SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY. CONTRACTOR SHALL FURNISH WPS FOR ALL REBAR WELDING TO THE LABORATORY.
8. REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION".
9. DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF BARS LISTED AND DENOTE CLEAR COVERAGE. NON-PRESTRESSED, CAST-IN-PLACE CONCRETE COVERAGE SHALL BE AS FOLOWS, UNO:
   CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS) — 3"
   CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLACED IN FORMS:
   #5 AND SMALLER ---------- 1-1/2"
   #6 AND LARGER ---------- 2"
   SLABS (ON FORMS) ---------- 3/4"
   SLABS (ON GROUND) ---------- 2" CLEAR FROM TOP UNO
10. SPLICES IN CONTINUOUS REINFORCEMENT SHALL BE LAPPED UNO, SEE SCHEDULE SHEET S002. SPLICES IN ADJACENT BARS SHALL BE GREATER THAN 5'-0" APART. SPLICE CONTINUOUS BARS IN SOIL-BEARING GRADE BEAMS, STRUCTURAL SLABS ON GRADE AND MAT FOUNDATIONS AS FOLLOWS UNO: TOP BARS AT CENTERLINE OF SUPPORT; BOTTOM BARS AT MID-SPAN. SPLICE CONTINUOUS BARS IN ELEVATED SLABS AND BEAMS, ETC. AS FOLLOWS UNO: TOP BARS AT MID-SPAN; BOTTOM BARS AT CENTERLINE OF SUPPORT.
11. THE MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL NOT BE LESS THAN THE LARGER OF BAR DIAMETER, 1", OR 33% GREATER THAN THE MAXIMUM AGGREGATE SIZE (NOMINAL). WHICHEVER IS GREATEST. THIS REQUIREMENT ALSO APPLIES TO THE CLEAR SPACING BETWEN DIFFERENT LAYERS OF PARALLEL BARS AND TO THE CLEAR DISTANCE BETWEEN A CONTACT LAP SPLICE AND ADJACENT SPLICES OR BARS.
12. ALL HOOKS SHALL BE STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED. AT WALLS, PROVIDE HOOKS AT ENDS OF ALL REINFORCING AT ENDS, CORNERS AND INTERSECTIONS, UNO.
13. CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LAITANCE REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SAND BLASTING, OR RAKING THE SURFACE TO PROVIDE 1/4" DEEP DEFORMATIONS.
14. REMOVE ALL DEBRIS FORM FORMS BEFORE CASTING ANY CONCRETE.
15. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
16. ANCHOR BOLTS (AB's) CAST IN CONCRETE OR MASONRY FOR WALL SILL AND LEDGER/APPLICATIONS SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM A307, UNO. REFER TO "STRUCTURAL STEEL" NOTE FOR REQUIREMENTS FOR ANCHOR RODS (AR'S) CAST IN CONCRETE FOR COLUMN BASE PLATE AND STEEL EMBED APPLICATIONS.
17. DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH SAME SIZE BAR.
18. CONSOLIDATE CONCRETE PLACED IN FORMS BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF ACI 309 TO SUIT THE TYPE OF CONCRETE AND PROJECT CONDITIONS. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES HOPPERS AND CHUTES OR TRUNKS OF VARIABLE LENGTHS SHALL BE USED SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 6 FEET.
19. DRILL THROUGH STEEL COLUMNS, BEAMS AND PLATES TO PASS CONTINUOUS REINFORCING.
20. NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
21. PROVIDE #5 X 4'-0" DIAGONAL REINFORCING AT TOP AND BOTTOM OF SLAB AT ALL RE-ENTRANT CORNERS TYPICAL. THIS APPLIES TO SLAB ON GRADE.
22. ALL SAW CUTTING SHALL BE DONE AFTER INITIAL SET HAS OCCURRED TO AVOID TEARING OR DAMAGE BY THE SAW BLADE, BUT BEFORE INITIAL SHRINKAGE HAS OCCURRED.
23. NOTIFY STRUCTURAL ENGINEER A MINIMUM OF 48 HOURS BEFORE PLACING ANY CONCRETE.
24. CONCRETE STRENGTHS & MIX PROPERTIES UNO:

ITEM	f'c AT 28 DAYS	MAX AGGR. SIZE	WEIGHT	MAX W/CM* RATIO
SLAB ON GRADE	4000 PSI	1"	NW	0.45
FOUNDATION	3000 PSI	1"	NW	0.58

*W/CM = WATER: CEMENTITIOUS MATERIAL RATION

GENERAL STRUCTURAL NOTES

1. INTERPRETATION OF DRAWINGS & SPECIFICATIONS
   A. FOR CONVENIENCE, SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT AND ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPERATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND HIS SUBCONTRACTORS.
   B. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS, QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETIALED, MARKED OR SPECIFIED, SHALL BE THE SAME AS SIMILAR PARTS THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.
   C. SHOULD AN ERROR APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL NOTIFY THE OWNER AT ONCE AND IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY APPROVAL, DECISION OR INSTRUCTIONS IN WRITING FROM THE OWNER, THEN HE SHALL HAVE NO VALID CLAIM AGAINST THE OWNER, FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD HE ELECT TO PROCEED, HE IS DOING SO AT HIS OWN RISK.
2. CONSTRUCTION SHALL CONFORM TO ALL APPICABLE CODES AND REGULATIONS.
3. SHOP DRAWING NOTE:
   A. SHOP DRAWINGS SHALL BE SUBMITTED IN ELECTRONIC PDF FORMAT.
   B. THE PURPOSE OF SHOP DRAWINGS SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT HE UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL HE INTENDS TO FURNISH AND INSTALL, AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE ON A STAND ALONE SET OF DOCUMENTS. DUPLICATION OF DESIGN DOCUMENTS FOR THE PURPOSE OF SHOP DRAWINGS IS NOT ACCEPTABLE.
   C. PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER, SHOP DRAWING SUBMITTALS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, STRUCTURAL STEEL, REINFORCING STEEL, PRE-ENGINEERED STEEL BUILDING CONSTRUCTION DOCUMENTS AND CALCULATIONS, PRE-ENGINEERED STEEL STAIR CONSTRUCTION DOCUMENTS AND CALCULATIONS.
   D. PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFROMANCE".
   E. SHOP DRAWINGS SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS.
   F. ANY DETAIL ON THE SHOP DRAWING THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL CLEARLY BE MARKED WITH THE NOTE "THIS A CHANGE".
   G. SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE RESUBMITTAL FOR RE-REVIEW WILL NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.
4. SAFETY NOTE:
   A. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS.
   B. THE OWNER AND THE ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
   C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. IN A CASE OF CONFLICT BETWEEN THE STRUCTURAL DRAWINGS AND SPECIFICATIONS THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCING ANY WORK.
6. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT. SHOULD THERE BE ANY QUESTION, CONTACT THE ENGINEER PRIOR TO PROCEEDING.
7. WHEN CONSTRUCTION ATTACHES TO AN EXISTING BUILDING, A COMPLETE SET OF DRAWINGS OF THE EXISTING BUILDING SHALL BE KEPT ON THE JOB SITE. CONTRACTOR TO OBTAIN THE THESE DRAWINGS FROM THE OWNER.
8. ANY SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE OR DETAILS SHALL BE REVIEWED BY THE ENGINEER. SUCH REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
9. DO NOT SCALE DRAWINGS. CONTACT THE ENGINEER FOR ANY DIMENSIONS NOT SHOWN.
10. THESE DRAWINGS ARE NOT COMPLETE UNTIL REVIEWED AND ACCEPTED BY LOCAL BUILDING OFFICIALS AND SIGNED BY THE OWNER AND THE ENGINEER.

STRUCTURAL SYMBOLS

DESCRIPTION / SYMBOL

- MATCH LINE — 1 / S101A, 1 / S101B — VIEW NUMBER / SHEET NUMBER; SHADED PORTION IS SIDE CONSIDERED
- WORK POINT, CONTROL POINT, ELEVATION, OR DATUM POINT
- GRID LINES — 0.0
- STRUCTURAL ELEVATION — X / XXXX — ELEVATION IDENTIFIER / SHEET NUMBER
- STRUCTURAL SECTION — X / XXXX — SECTION IDENTIFIER / SHEET NUMBER
- STRUCTURAL DETAIL — X / XXXX — DETAIL IDENTIFIER / SHEET NUMBER

STRUCTURAL MATERIALS

SYMBOL / DESCRIPTION

- EARTH
- ROCK FILL
- SAND / MORTAR / PLASTER / GROUT
- CAST IN PLACE OR PRECAST CONCRETE
- STEEL
- CMU WALL
- WOOD FRAMING THRU MEMBER
- WOOD FRAMING INTERRUPTED MEMBER
- PLYWOOD

DESIGN CRITERIA

1. CODES AND STANDARDS
   2013 CALIFORNIA BUILDING CODE (CBC)
   ASCE 7-10
   ACI 318-11
   2013 NDS
   AISC 360-10, 341-10, 358-10
   AISI S100-07, S200-07
2. VERTICAL LOADS
   PHOTOVOLTAIC ARRAY DEAD LOAD = 3.5 PSF
   ROOF LIVE LOAD = 20 PSF
   MEZZANINE FLOOR LIVE LOAD = 125 PSF
   STAIR LIVE LOAD = 100 PSF
   FLOOR PARTITION LIVE LOAD = N/A
   CORRIDORS = N/A
   LIVE LOADS ARE REDUCED WHERE PERMITTED BY CODE.
3. SOIL VALUES
   ALLOWABLE SOILS PRESSURE
   1. DL + LL 2500 PSF
   2. DL + LL + Eq/ WD 3300 PSF
   FOOTING
   MINIMUM DEPTH = 18" BELOW LOWEST ADJACENT GRADE
   MINIMUM WIDTH = 12"
4. LATERAL LOADS
   SEISMIC (TYP UNO):
   SITE CLASS C, I = 1.25, I_p=1.0
   S_s = 1.915 S_{ds} = 1.277
   S_1 = 0.650 S_{d1} = 0.564
   RISK CATEGORY: III
   SEISMIC DESIGN CATEGORY: D
   ANALYSIS PROCEDURE: EQUIV LAT'L FORCE UNO
   (a) PRE-ENGINEERED BLDG
   R, Ω_0, C_d, C_s & SEISMIC BASE SHEAR = *
   SEISMIC FORCE RESISTING SYSTEM = *
   ANALYSIS PROCEDURE = *
   (b) ENTRY CANOPY
   SEISMIC FORCE RESISTING SYSTEM:
   STEEL SPECIAL CANTILEVER COLUMN SYSTEM
   R = 2.5, Ω_0= 1.25, C_d= 2.5, C_s= 0.639
   SEISMIC BASE SHEAR = 0.639W (STRENGTH)
   * INDICATES TO BE DETERMINED BY PRE - ENGINEERED BLDG MFR.
   * * INDICATES TO BE DETERMINED BY PRE - ENGINEERED STAIR MFR.
   (c) MEZZANINE
   SEISMIC FORCE RESISTING SYSTEM:
   ORDINARY STEEL MOMENT FRAMES
   R = 3.5, Ω_0= 3, C_d= 3, C_s= 0.456
   SEISMIC BASE SHEAR = 0.456W (STRENGTH)
   (d) TEMPORARY HOLDING CELL
   SEISMIC FORCE RESISTING SYSTEM:
   NONSTRUCTURAL COMPONENT
   R = 2.5, a_p = 1.0
   (e) PRE - ENGINEERED STAIR
   R, Ω_0, C_d, C_s & SEISMIC BASE SHEAR = * *
   SEISMIC FORCE RESISTING SYSTEM = * *
   ANALYSIS PROCEDURE = * *
   WIND:
   ULTIMATE DESIGN WIND SPEED = 115 MPH
   NOMINAL DESIGN WIND SPEED = 89 MPH
   EXPOSURE CATEGORY = C
   GC_{pi} = ±0.18

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING

1. SPECIAL INSPECTIONS AND TESTING SHALL BE PROVIDED BY AN INSPECTION AGENCY, EMPLOYED BY THE OWNER, AND QUALIFIED BY THE BUILDING OFFICIAL TO INSPECT THE PARTICULAR TYPE OF CONSTRUCTION. TESTS AND INSPECTIONS, AS REQUIRED BY CHAPTER 17 OF THE 2013 CBC, SHALL BE PERFORMED DURING CONSTRUCTION ON THE TYPES OF WORK LISTED BELOW:

INSPECTIONS & TESTING:	
■ STEEL CONSTRUCTION	SECTION 1705.2 & AISC 360
■ CONCRETE CONSTRUCTION	SECTION 1705.3 & TABLE 1705.3
■ MASONRY CONSTRUCTION - LEVEL 1	SECTION 1705.4 & TMS 402/ACI 530/ ASCE5 & TMS602/ACI530.1/ASCE.6
□ WOOD CONSTRUCTION	SECTION 1705.5
■ HIGH-LOAD DIAPHRAGM	SECTION 1705.5.1
■ SOILS	SECTION 1705.6
□ PILE FOUNDATIONS	SECTION 1705.7
■ PIER FOUNDATIONS	SECTION 1705.8

2. INSPECTIONS MAY BE CONTINUOUS OR PERIODIC AS ALLOWED BY THE INDIVIDUAL MATERIAL OR COMPONENT INSPECTION SECTIONS AND TABLES OF SECTION 1705.
3. THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE REPORTS SHALL INDICATE WHETHER WORK INSPECTED CONFORMED TO THE CONSTRUCTION DOCUMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
4. ALL SPECIAL INSPECTION AGENCIES/INDIVIDUALS AND SHOP FABRICATORS SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF WORK.
5. TESTING AND INSPECTION RECORDS SHALL BE RETAINED UNTIL COMPLETION OF CONSTRUCTION.
6. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL ACKNOWLEDGING RESPONSIBILITY FOR CONSTRUCTION OF THE MAIN LATERAL-FORCE RESISTING SYSTEM PRIOR TO COMMENCEMENT OF THAT WORK AS REQUIRED BY SECTION 1704 OF THE 2013 CBC.
7. FOR TESTING AND INSPECTION REQUIREMENTS FOR NON-STRUCTURAL MATERIALS AND COMPONENTS, SEE CONSTRUCTION DOCUMENTS AND COMPLY WITH CHAPTER 17 OF THE 2013 CBC.

KITCHELL
Capital Expenditure Managers
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Sacramento, CA. 95833
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REGISTERED PROFESSIONAL ENGINEER — DANNY C. VAIG — No.: S6143 — Exp.: 12/31/16 — STRUCTURAL — STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
STRUCTURAL ABBREVIATIONS, SYMBOLS & NOTES

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET S001

C:\BIM\CLAYBANK VOCED_asalija@kitchell.com.rvt

STRUCTURAL STEEL

1. FABRICATION, ERECTION AND MATERIALS SHALL CONFORM WITH THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, AND THE CALIFORNIA BUILDING CODE, LATEST EDITIONS.
2. STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM WITH ASTM A992. ALL OTHER STRUCTURAL STEEL ROLLED SHAPES (CHANNELS, ANGLES, ETC) AND PLATES SHALL CONFORM WITH ASTM A36, UNO.
3. STEEL PIPE SHALL CONFORM TO ASTM A53, TYPES E OR S, GRADE B.
4. ALL HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B.
5. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE THE STRUCTURE. CONTRACTOR RESPONSIBLE FOR REVIEWING ALL BASE PLATE AND SUPPORT CONDITIONS DURING ERECTION AND BRACING AS REQUIRED. SEE AISC AND OSHA REQUIREMENTS.
6. PLACE NON-SHRINK GROUT UNDER ALL BASE PLATES BEFORE ADDING VERTICAL LOAD.
7. STRUCTURAL STEEL BELOW GRADE SHALL HAVE 3 INCHES MINIMUM OF CONCRETE COVER.
8. BOLTED CONNECTIONS SHALL CONSIST OF UNFINISHED BOLTS CONFORMING TO ASTM A307 UNLESS NOTED OTHERWISE. WHERE HIGH STRENGTH BOLTS ARE INDICATED, BOLTS CONFORMING TO ASTM A325 OR ASTM A490 AS NEEDED SHALL BE PROVIDED.
9. HOLES FOR UNFINISHED BOLTS SHALL BE OF THE SAME NOMINAL DIAMETER OF THE BOLT PLUS 1/16". USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS NOTED OTHERWISE.
10. WELDING SHALL BE DONE BY THE ELECTRIC ARC PROCESS IN ACCORDANCE WITH AMERICAN WELDING SOCIETY STANDARDS, USING ONLY CERTIFIED WELDERS. ALL GROOVE WELDS SHALL HAVE COMPLETE PENETRATION UNLESS NOTED OTHERWISE. ALL EXPOSED WELDS SHALL BE GROUND SMOOTH. ALL ELECTRODES FOR WELDING SHALL COMPLY WITH AWS CODE, E70 SERIES MINIMUM.
11. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTHS REQUIRED.
12. MINIMUM FILLET WELDS:
    3/16" @ T < 1/2"
    1/4" @ T < 3/4"
    5/16" @ T > 3/4"
13. WELDING PROCEDURE SPECIFICATIONS (WPS) FOR SHOP AND FIELD PREQUALIFIED WELD JOINTS AND WELD JOINTS QUALIFIED BY TEST SHALL BE PREPARED FOR REVIEW PRIOR TO FABRICATION. ALL WELDING PROCEDURE ITEMS SUCH AS BASE METALS, WELDING PROCESSES, FILLER METALS AND JOINT DETAILS THAT MEET THE REQUIREMENTS OF AWS D1.1 SECTION 5.1 SHALL BE CONSIDERED AS PREQUALIFIED. ANY CHANGE OR SUBSTITUTION THAT IS BEYOND THE RANGE OR TOLERANCE OR REQUIREMENTS FOR PREQUALIFICATION SHALL BE QUALIFIED BY TEST PER AWS D1.1 SECTION 5 PART B. QUALIFICATION TESTING IS REQUIRED WHEN THE DEPTH OF A PARTIAL PENETRATION OR COMPLETE PENETRATION WELD IS 2" OR GREATER.
14. ALL EXPOSED STEEL SHALL RECEIVE MINIMUM ONE COAT OF PRIMER AND PAINT OR SHALL BE HOT-DIPPED GALVANIZED. DO NOT PAINT AREAS TO BE EMBEDDED INTO CONCRETE, CONTACT AREAS OF HIGH STRENGTH BOLTED CONNECTIONS AND SURFACE TO RECEIVE FIELD WELD OR SPRAY APPLIED FIREPROOFING. TOUCH-UP FIELD WELDS AND OTHER EXPOSED SURFACES AFTER ERECTION.

PRE-ENGINEERED STEEL BUILDING

1. DESIGN AND FABRICATION SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING CODE (CBC). THE LATEST EDITIONS OF THE AISC "SPECIFICATIONS FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL BUILDINGS" AND AISC "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. METAL BUILDING MANUFACTURER (MBM) SHALL BE AISC CATEGORY 'MB' CERTIFIED.
3. DRAWINGS, CALCULATIONS AND ENGINEERING DATA ON STRUCTURAL SECTIONS FOR ALL COMPONENTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND ARCHITECT AND/OR STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. DESIGN FOR PHOTOVOLTAIC ARRAY DEAD LOAD WHERE OCCURS AT BUILDING B. SEE DESIGN CRITERIA NOTES FOR LOADING INFORMATION.
4. CALCULATIONS SHALL BE SIGNED BY A CIVIL ENGINEER OR STRUCTURAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
5. BUILDING MANUFACTURER SHALL PROVIDE PLAN DRAWINGS SHOWING COLUMN LOCATIONS AND ANCHOR BOLT LOCATIONS PRIOR TO FABRICATION. ANCHOR BOLT SIZES, NUMBERS, AND LOCATIONS ARE TO BE DESIGNED AND DETAILED BY MBM. MBM SHALL FURNISH REQUIRED ANCHOR BOLTS AND SETTING TEMPLATES.
6. THE DESIGN DRAWINGS AND INSTALLATION DETAILS SHALL GIVE ALL INFORMATION REQUIRED TO CONSTRUCT THE BUILDING.
7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND MBM COLUMN LAYOUT PRIOR TO FOUNDATION CONSTRUCTION.
8. ALL HARDWARE REQUIRED FOR CONNECTING BUILDING COMPONENTS SHALL BE DESIGNED, DETAILED AND PROVIDED BY BUILDING MANUFACTURER.
9. CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AS REQUIRED.
10. BUILDING DESIGNER SHALL ACCOUNT FOR THE WEIGHT OF ALL MECHANICAL EQUIPMENT IN THE DESIGN OF ALL BUILDING COMPONENTS WHICH SUPPORT SUCH UNITS. BUILDING DESIGNER SHALL ALSO ACCOUNT FOR ALL APPLIED LOADS FROM ATTACHED STRUCTURAL MEMBERS OR OTHER ELEMENTS AS SHOWN ON THESE DRAWINGS.
11. FOUNDATION DESIGN IS BASED ON PRELIMINARY EVALUATION OF METAL BUILDING REACTIONS. FINAL BUILDING REACTIONS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR VALIDATION OF FOUNDATIONS PRIOR TO CONSTRUCTION.
12. PROVIDE SPECIAL INSPECTIONS REQUIRED BY CBC CHAPTER 17, ESPECIALLY SECTIONS 1704 AND 1705, SEE "STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING" ON SHEET S001 FOR ADDITIONAL INFORMATION.

FOUNDATIONS

1. ALL FOUNDATION WORK SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF SOILS REPORT NO. E57705.01-01 BY MOORE TWINING ASSOCIATES, INC. DATED SEPTEMBER 13, 2013.
2. ALL FOUNDATIONS SHALL BEAR ON PREPARED SUBGRADE - SEE GEOTECHNICAL REPORT.
3. ALL FILLING, BACKFILLING AND COMPACTION SHALL BE DONE UNDER THE OBSERVATION OF A REPRESENTATIVE OF THE SOILS ENGINEER AND MUST BE COMPACTED TO THE MINIMUM DENSITY SPECIFIED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE SOILS REPORT.
4. BOTTOMS OF ALL FOUNDATIONS SHALL BE LEVEL.

UNISTRUT FRAMING

1. UNISTRUT FRAMING SHALL BE AS MANUFACTURED BY UNISTRUT CORPORATION, WAYNE, MICHIGAN, OR APPROVED EQUIVALENT.
2. INSTALL PER THESE DRAWINGS AND THE MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS MORE STRINGENT, TYPICAL. INSTALL AS REQUIRED TO OBTAIN MAXIMUM RATED CAPACITIES OF ALL COMPONENTS AND CONNECTIONS.
3. PROVIDE CHANNEL NUTS @ ALL BOLTS, UON. REQUIRED TORQUE SHALL BE PER UNISTRUT REQUIREMENTS.
4. MISC. ANCILLARY HARDWARE NOTED SHALL BE UNISTRUT STD. HARDWARE, UON. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION, TYP.-WHETHER SHOWN OR NOT.
5. MEMBERS, GENERAL FITTINGS AND PIPE/CONDUIT SUPPORTS SHALL BE HOT-DIPPED GALVANIZED. NUTS, BOLTS, WASHERS AND ALL THREADS SHALL BE STAINLESS STEEL.

DRILLED-IN ANCHORS

1. EPOXY ANCHORS SHALL BE HILTI RE500-SD PER ESR-2322 OR SIMPSON SET-XP PER ESR-2508 FOR THREADED ROD & REBAR. EXPANSION ANCHORS SHALL BE HILTI KB-TZ PER ESR-1917 OR SIMPSON STRONG-BOLT PER ESR-1771. TYPE, SIZE & EMBEDMENT SHALL BE INDICATED IN DRAWINGS. POST-INSTALLED ANCHORS FOR REPAIR SHALL BE EVALUATED ON A CASE BY CASE BASIS. NOTIFY STRUCTURAL ENGINEER FOR REPAIRS.
2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN THE ICC REPORT.
3. UNLESS NOTED OTHERWISE ANCHORS HAVE BEEN DESIGNED FOR SPECIAL INSPECTION. PROVIDE SPECIAL INSPECTION AS INDICATED IN THE ICC REPORT. SEE NOTES.
4. WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING CONCRETE OR MASONRY, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS. DO NOT INSTALL ANCHORS IN PRESTRESSED CONCRETE ELEMENTS OR IN AREAS WITH RADIANT TUBING EMBEDDED IN CONCRETE.
5. THE INSPECTION OF THE ANCHORS SHALL BE DONE BY A QUALIFIED INSPECTION AGENCY AND A REPORT OF THE INSPECTION RESULTS SHALL BE SUBMITTED TO THE GOVERNING AGENCY AND ARCHITECT/STRUCTURAL ENGINEER. SEE "STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING" ON SHEET S001 FOR ADDITIONAL INFORMATION.

MASONRY

1. HOLLOW CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT (105 TO 125 PCF) LOAD BEARING 6x8x16 OR 8x8x16 NOMINAL SIZE, AS NOTED IN THE DRAWINGS. TYPE I IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2013 CBC AND ASTM STANDARD C 90. SAMPLE AND TEST PER ASTM C140.
2. MASONRY COMPRESSIVE STRENGTH SHALL BE f' m = 1500 PSI, MINIMUM.
3. MORTAR SHALL BE TYPE M OR TYPE S PER ASTM C270 AND CBC SECTION 2103. AGGREGATE SHALL BE PER ASTM C144. PROVIDE COMPRESSIVE STRENGTH TESTS PER ASTM C780. UTILIZE PORTLAND CEMENT PER ASTM C150 AND LIME PER ASTM STANDARDS C5 AND C207 ONLY FOR CEMENTITIOUS MATERIALS FOR MORTAR.
4. GROUT SHALL BE PER ASTM C476 AND CBC SECTION 2103. GROUT SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. AGGREGATE SHALL BE PER ASTM C404. CONSOLIDATE ALL GROUT BY MECHANICAL VIBRATION. PROVIDE TESTS PER ASTM C1019. UTILIZE PORTLAND CEMENT PER ASTM C150 ONLY FOR CEMENTITIOUS MATERIALS FOR GROUT. GROUT SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF 0.50 BY WEIGHT. PROVIDE WATER REDUCING ADMIXTURE PER ASTM C494 AS REQUIRED. SLUMP SHALL BE 8" MIN AND 11" MAX. UTILIZE SHRINKAGE COMPENSATING ADMIXTURE, SIKA GROUT AID TYPE II OR EQUIVALENT, AT MFR's MAX RECOMMENDED DOSAGE IN ALL GROUT.
5. USE OPEN END UNITS WHERE VERTICAL REINFORCEMENT OCCURS. USE BOND BEAM OR LINTEL UNITS WHERE HORIZONTAL REINFORCEMENT OCCURS.
6. ALL CELLS SHALL BE GROUTED SOLID.
7. UNITS SHALL BE LAID IN RUNNING (COMMON) BOND.
8. SPLICE VERTICAL REINFORCEMENT NEAR FLOOR LINES OR AS SHOWN ON THE DRAWINGS, ONLY. CENTER SINGLE LAYER VERTICAL REINFORCEMENT IN WALLS UNLESS NOTED OTHERWISE. DOWEL ALL VERTICAL REINFORCEMENT TO SUPPORTING MEMBERS WITH SAME SIZE REINFORCEMENT, TYP.
9. MASONRY REINFORCEMENT SHALL COMPLY WITH CONCRETE REINFORCEMENT REQUIREMENTS, UNLESS NOTED OTHERWISE.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 21 OF THE 2013 CBC, ACI 530-BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND ACI 530.1 - SPECIFICATIONS FOR MASONRY STRUCTURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THESE DOCUMENTS AND BECOME FAMILIAR WITH THE MATERIALS AND METHODS PROVISIONS CONTAINED THEREIN.
11. PROVIDE SPECIAL INSPECTION & TESTS FOR ALL MASONRY CONSTRUCTION IN ACCORDANCE WITH CBC CHAPTER 17, ESPECIALLY SECTION 1705.4. PROVIDE QUALITY CONTROL PER CBC SECTION 2105. INSURE COMPLIANCE WITH SPECIFIED COMPRESSIVE STRENGTH IN ACCORDANCE WITH CBC SECTION 2105.2.
12. ALL BOLTS SHALL BE GROUTED IN PLACE WITH AT LEAST 1 INCH OF GROUT BETWEEN THE BOLT AND THE MASONRY. BOLTS SHALL BE HEADED AND PER ASTM A307 GRADE A WITH SUPPLEMENTARY REQUIREMENT S1.
13. MASONRY VENEER SHALL COMPLY WITH REQUIREMENTS OF CBC CHAPTER 14. SEE ARCHITECTURAL DRWG.'s & SPECIFICATIONS FOR ADDITIONAL INFO.

LIGHT GAGE - COLD FORMED STEEL FRAMING

1. ALL LIGHT GAGE FRAMING SHALL BE PER THE REQUIREMENTS OF THE 2013 CBC AND THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI-NAS-01) OF THE AMERICAN IRON AND STEEL INSTITUTE (2013 CBC CHAPTER 22, SECTION 2210).
2. ALL LIGHT GAGE FRAMING SHALL BE G60 HOT-DIP GALVANIZED, UNLESS INDICATED OTHERWISE.
3. ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CBC AND THE STRUCTURAL WELDING CODE - SHEET STEEL OF THE AMERICAN WELDING SOCIETY, AWS D1.3, LATEST REVISION.
4. ALL SCREWS SHALL BE TEKS/TRAXX SELF-DRILLING SCREWS BY ITW BUILDEX, OR APPROVED EQUIVALENT. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR MAXIMUM RATED LOADING CAPACITIES.
5. ALL COLD FORMED STEEL PRODUCTS TO BE UTILIZED SHALL BE COVERED BY EVALUATION REPORTS OF THE INTERNATIONAL CODE COUNCIL (ICC/ICBO) VERIFYING ALL SECTION AND STRENGTH PROPERTIES NECESSARY FOR DESIGN.
6. LIGHT GAGE - COLD FORMED STEEL MEMBERS SHALL BE PER ASTM A653, STRUCTURAL QUALITY. UNLESS NOTED OTHERWISE, MEMBERS 18 GA. AND LIGHTER SHALL HAVE A YIELD STRENGTH (Fy) OF 33,000 PSI AND 16 GA. AND HEAVIER MEMBERS SHALL HAVE A YIELD STRENGTH OF 50,000 PSI.

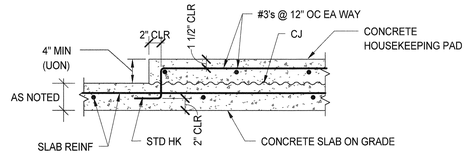
BAR SIZE	TYPICAL LAP SPLICE (BAR DIAMETERS)	(1)TOP REINFORCING LAP SPLICE (BAR Ø)
#6 AND SMALLER	65	85
#7 AND LARGER	80	100

(1) TOP REINF IS REINF W/ 12" OR MORE THICKNESS OF CONCRETE BELOW THE REINF.

4 — REINFORCING LAP SPLICE SCHEDULE (TYP UNO)
1" = 1'-0"

WOOD:

1. ALL WOOD CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE 2013 CALIFORNIA BUILDING CODE (CBC) AND THE 2012 NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION BY THE AMERICAN FOREST & PAPER ASSOCIATION (NDS-2012).
2. STRUCTURAL FRAMING SHALL BE DOUGLAS FIR - LARCH GRADED IN ACCORDANCE WITH PS 20 (DOC PS 20), AMERICAN SOFTWOOD LUMBER STANDARD AND WITH THE WESTERN LUMBER GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 17 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST REVISIONS. WOOD MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION. DOUGLAS FIR SOUTH IS NOT ALLOWED. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
   ALL FRAMING EXCEPT AS NOTED ---------NO. 1
   6x AND THICKER MEMBERS ----------SELECT STRUCTURAL
   (FREE OF HEART CENTER)
3. ALL PLYWOOD SHOWN ON THESE DRAWINGS SHALL BE C-D WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-95 (DOC PS 1). ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH A PANEL SPAN RATING IN ACCORDANCE WITH CBC TABLE NO. 2304.7(3). USE 4'x8' PANELS. MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE THE MINIMUM PANEL DIMENSION SHALL BE 24" FOR ROOFS AND FLOORS UNLESS PANEL IS SUPPORTED AT ALL FOUR SIDES BY FRAMING OR BLOCKING. MINIMUM PANEL DIMENSION AT WALLS SHALL BE 12".
4. PLYWOOD FLOOR SHEATHING SHALL BE GLUED TO FLOOR JOISTS, TRUSSES AND/OR BEAMS, IN ADDITION TO THE NAILING INDICATED ON THESE DRAWINGS, IN ACCORDANCE WITH AMERICAN PLYWOOD ASSOCIATION (APA) SPECIFICATION AFG-01.
5. ALL MEMBERS CLOSER THAN 8" TO EXPOSED SOIL, SILL PLATES AND OTHER PPT MEMBERS SHALL BE PRESSURE PRESERVATIVE TREATED DOUGLAS FIR-LARCH. PRESSURE PRESERVATIVE TREATED MEMBERS SHALL BE PER THE REQUIREMENTS OF 2013 CBC CHAPTER 23, ESPECIALLY SECTIONS 2303.1.8 AND 2304.11 AND THE AWPA (AWPA USE CATEGORY UC2 @ INTR LCTNS, UC3B @ EXTR ABV. GROUND, AND UC4C FOR GROUND CONTACT, UNLESS OTHERWISE NOTED). EXPOSED SURFACES RESULTING FROM FIELD CUTTING, BORING OR HANDLING SHALL BE FIELD TREATED IN ACCORDANCE WITH AWPA M-4. SE ALSO REQUIREMENTS OF CBC SECTION 2304.11.
6. BOLTS FOR TIMBER CONNECTIONS SHALL BE FULL DIAMETER BODY AND PER THE REQUIREMENTS OF ASTM A307, GRADE A AND ANSI/ASME STANDARD B18.2.1, UNLESS OTHERWISE NOTED. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2013 CALIFORNIA BUILDING CODE, CHAPTER 23 AND ANSI/AF&PA NDS-2012, 2012 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION OF THE AMERICAN FOREST AND PAPER ASSOCIATION (NDS), AND SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 45,000 PSI. BOLT HOLES SHALL BE 1/16 INCH LARGER THAN BOLT DIAMETER.
7. LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1, THE REQUIREMENTS OF THE 2013 CALIFORNIA BUILDING CODE, CHAPTER 23, AND THE 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. PROVIDE FULL DIAMETER BODY, STEEL LAG SCREWS WITH MINIMUM BENDING YIELD STRENGTHS PER THE NDS.
8. PROVIDE MALLEABLE IRON WASHERS OR STANDARD CUT PLATE WASHERS UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD, UON. PROVIDE 1/4"x3"x3" WASHERS AT SILL ANCHOR BOLTS.
9. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1, THE REQUIREMENTS OF THE 2013 CALIFORNIA BUILDING CODE, CHAPTER 23, AND THE NDS. WOOD SCREWS SHALL BE STEEL, WITH MINIMUM BENDING YIELD STRENGTHS PER THE NDS AND CUT THREADS. LEAD HOLES FOR SCREWS SHALL BE 7/8 OF THE SHANK DIAMETER AT THE SHANK (UNTHREADED PORTION) AND 7/8 OF THE THREAD ROOT DIAMETER FOR THE THREADED PORTION OF THE SCREW.
10. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
11. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
12. STRUCTURAL NAILING SHALL BE WITH COMMON STEEL WIRE NAILS PER ASTM F1667, ALL REQUIREMENTS OF THE 2013 CALIFORNIA BUILDING CODE, CHAPTER 23, ESPECIALLY SECTION 2303.6, AND THE NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CBC TABLE 2304.9.1. PROVIDE NAILS WITH MINIMUM BENDING YIELD STRENGTHS PER CBC SECTION 2303.6. EDGE OR END DISTANCES SHALL NOT BE LESS THAN ONE HALF OF THE REQUIRED PENETRATION, U.O.N. THE SPACING CENTER TO CENTER OF NAILS SHALL NOT BE LESS THAN THE REQUIRED PENETRATION, U.O.N.
13. NAILS, BOLTS, LAG SCREWS, SCREWS, OTHER FASTENERS, CONNECTORS & ALL OTHER STEEL ITEMS EXPOSED TO MOISTURE, HIGH HUMIDITY, THE EXTERIOR OR IN PRESSURE PRESERVATIVE TREATED MEMBERS SHALL BE HOT DIP GALVANIZED TO G185 MIN., OR TYPE 304 OR 316 STAINLESS STEEL. PROVIDE ELECTROGALVANIZED ELSEWHERE.
14. WOOD INDICATED ON THE DRAWINGS TO BE PRESSURE PRESERVATIVE TREATED (PPT) SHALL BE TREATED IN ACCORDANCE WITH THE CBC AND AWPA STANDARDS UNLESS OTHERWISE NOTED. ALL CUTS, HOLES AND NOTCHES SHALL BE FIELD TREATED PER AWPA M4. ALL TREATED MEMBERS SHALL BE IDENTIFIED WITH CERTIFICATION STAMP OF AN APPROVED INDEPENDENT AGENCY ACCREDITED BY THE AMERICAN LUMBER STANDARDS COMMITTEE PER CBC SECTION 2303.1.8.1.
15. PROVIDE SPECIAL INSPECTIONS FOR WOOD CONSTRUCTION AS REQUIRED BY CBC CHAPTER 17, ESPECIALLY SECTIONS 1705.5.1 (ALL FLOORS AND ROOFS PLYWOOD SHEATHING SHALL BE INSPECTED AS REQUIRED FOR HIGH LOAD DIAPHRAGMS) AND 1705.5 (FOR ALL WOOD CONSTRUCTION).

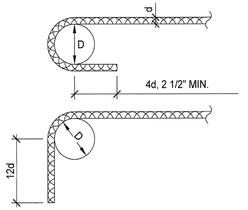


NOTES:
1. SEE MECH'L & ELECT DRAWINGS FOR LOCATIONS & MIN PLAN DIMENSIONS, TYP.
2. INSURE EDGE OF PAD IS NO CLOSER THAN 12 DIAMETERS TO ANY ANCHOR BOLT OR EXPANSION ANCHOR INSTALLED IN THE PAD, TYP.

3 — TYPICAL HOUSEKEEPING PAD @ CONC SLAB DETAIL
NTS

PRE-ENGINEERED STEEL STAIR

1. DESIGN AND FABRICATION SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING CODE (CBC) AND THE LATEST EDITIONS OF THE AISC "SPECIFICATIONS FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL BUILDINGS".
2. DRAWINGS, CALCULATIONS AND ENGINEERING DATA ON STRUCTURAL SECTIONS FOR ALL COMPONENTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND ARCHITECT AND/OR STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION.
3. CALCULATIONS SHALL BE SIGNED BY A CIVIL ENGINEER OR STRUCTURAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
4. STAIR MANUFACTURER (SM) SHALL PROVIDE PLAN DRAWINGS SHOWING COLUMN LOCATIONS AND ANCHOR BOLT LOCATIONS PRIOR TO FABRICATION. ANCHOR BOLT SIZES, NUMBERS, AND LOCATIONS ARE TO BE DESIGNED AND DETAILED BY SM. SM SHALL FURNISH REQUIRED ANCHOR BOLTS AND SETTING TEMPLATES.
5. THE DESIGN DRAWINGS AND INSTALLATION DETAILS SHALL GIVE ALL INFORMATION REQUIRED TO CONSTRUCT THE STAIR.
6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND SM COLUMN LAYOUT PRIOR TO FOUNDATION CONSTRUCTION.
7. ALL HARDWARE REQUIRED FOR CONNECTING STAIR COMPONENTS SHALL BE DESIGNED, DETAILED AND PROVIDED BY STAIR MANUFACTURER.
8. CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AS REQUIRED.
9. FOUNDATION DESIGN IS BASED ON PRELIMINARY EVALUATION OF METAL STAIR REACTIONS. FINAL STAIR REACTIONS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR VALIDATION OF FOUNDATIONS PRIOR TO CONSTRUCTION.
10. PROVIDE SPECIAL INSPECTIONS REQUIRED BY CBC CHAPTER 17, ESPECIALLY SECTIONS 1704 AND 1705, SEE "STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING" ON SHEET S001 FOR ADDITIONAL INFORMATION.

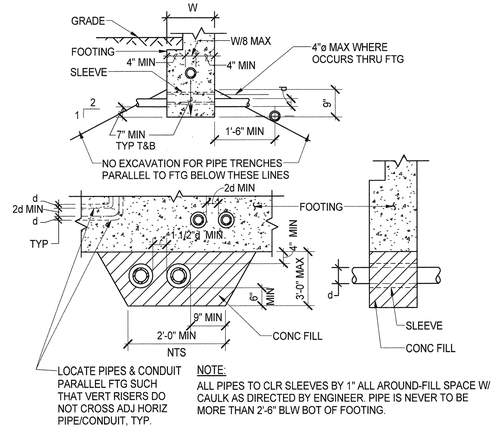


INSIDE BEND DIAMETERS	
BAR SIZE	D
#3 TO #8	6d
#9,#10,#11	8d
#14,#18	10d

INSIDE BEND DIAMETERS	
BAR SIZE	D
#3	1 1/2"
#4	2"
#5	2 1/2"

NOTE: ALL BARS BENT COLD - NO FIELD BENDING ALLOWED EXCEPT WHERE SPECIFICALLY SHOWN ON DRAWINGS

1 — TYPICAL STD HOOKS & BENDS IN REINF STEEL
NTS



NOTE:
ALL PIPES TO CLR SLEEVES BY 1" ALL AROUND-FILL SPACE W/ CAULK AS DIRECTED BY ENGINEER. PIPE IS NEVER TO BE MORE THAN 2'-6" BLW BOT OF FOOTING.

2 — TYPICAL PIPE AT FOOTING DETAILS
NTS

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER — DANNY C. VANG — No.: S6143 — Exp.: 12/31/16 — STRUCTURAL — STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY A.J.N.

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
GENERAL NOTES AND TYPICAL DETAILS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

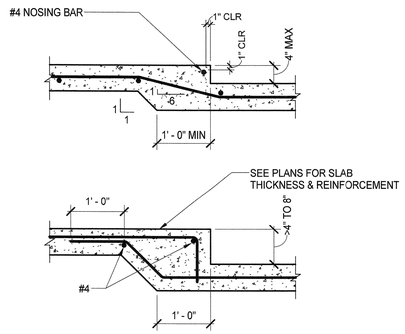
REVISIONS

No.	Description	Date

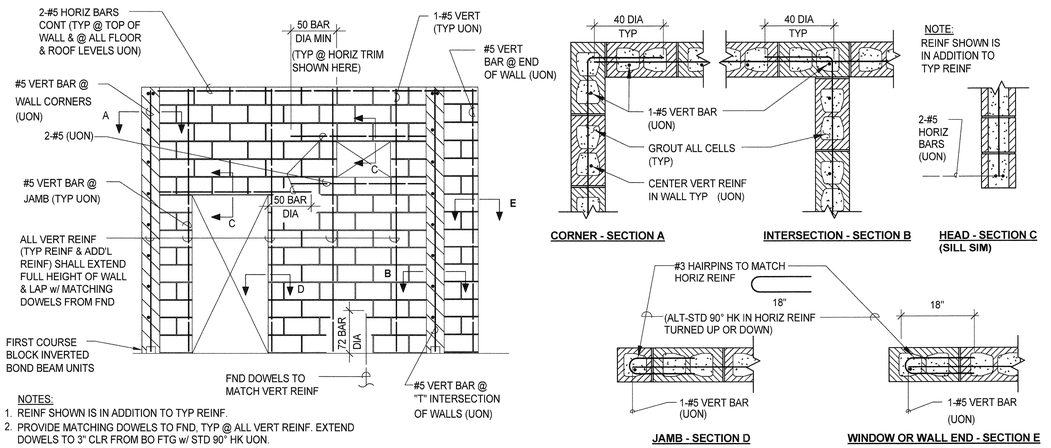
JOB NO.	SHEET
4907A3	S002
DATE	
11/9/2016	

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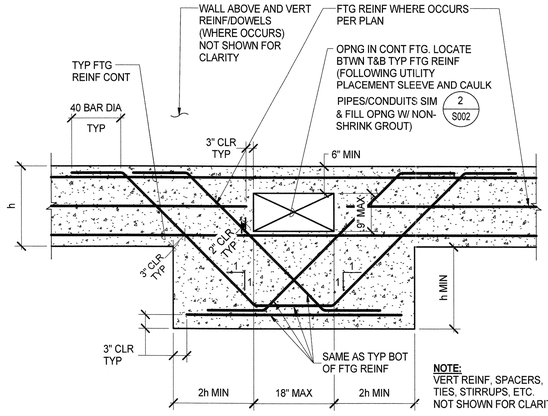
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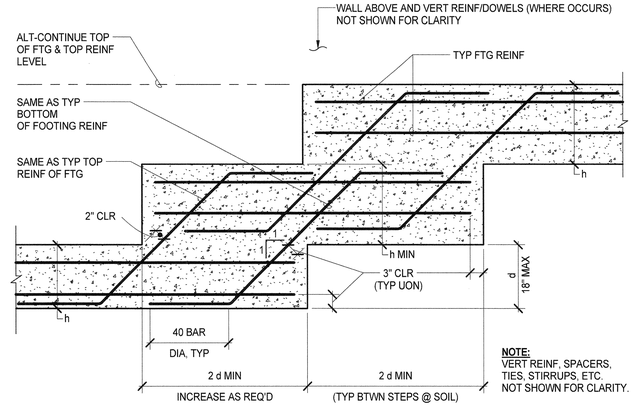
7 — TYPICAL SLAB ON GRADE DEPRESSION DETAILS
3/4" = 1'-0"



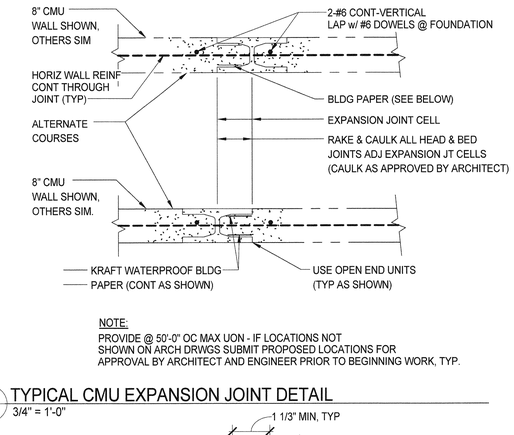
1 — TYPICAL CONCRETE MASONRY WALL DETAILS
NTS



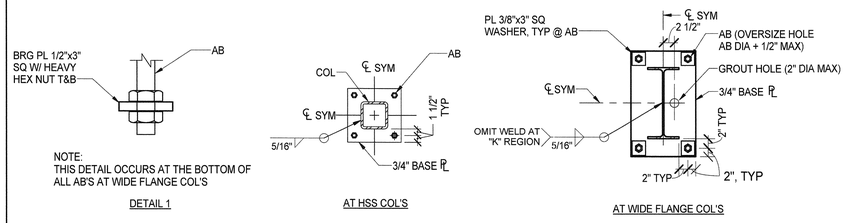
8 — TYPICAL OPENING AT FOOTING DETAIL
3/4" = 1'-0"

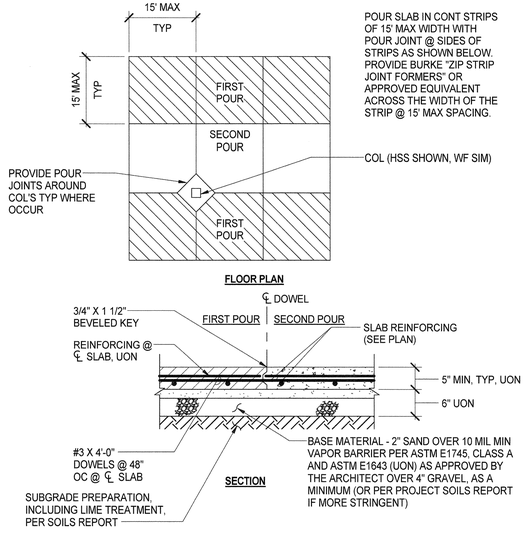


5 — TYPICAL STEP FOOTING DETAIL
3/4" = 1'-0"

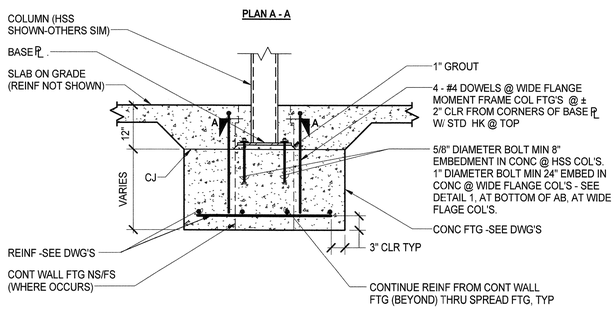


2 — TYPICAL CMU EXPANSION JOINT DETAIL
3/4" = 1'-0"

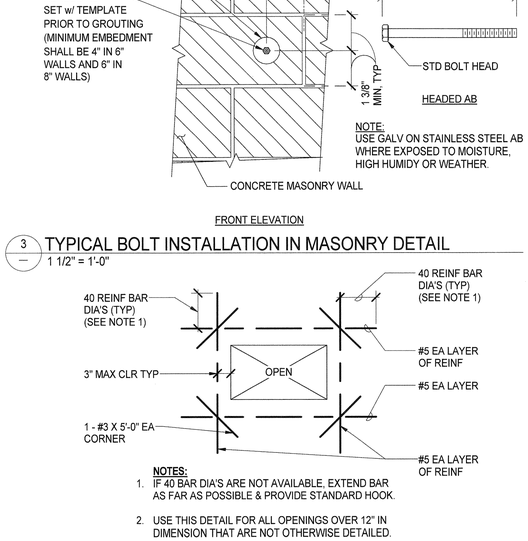




6 — TYPICAL SLAB & POUR JOINT IN SLAB DETAIL
NTS



9 — TYPICAL STEEL COLUMN AT INTR FTG DETAIL
3/4" = 1'-0"



3 — TYPICAL BOLT INSTALLATION IN MASONRY DETAIL
1 1/2" = 1'-0"

4 — TYPICAL REINF AT OPENING IN SLAB DETAIL
3/4" = 1'-0"

LAST REVISION: 11/8/2016 12:53:52 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER DANNY C. YANG No.: S6143 Exp.: 12/31/16 STRUCTURAL STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL DETAILS

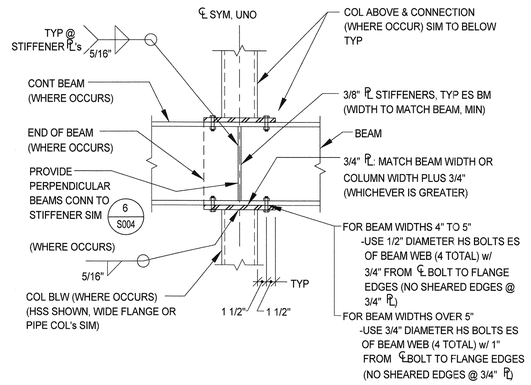
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REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET S003

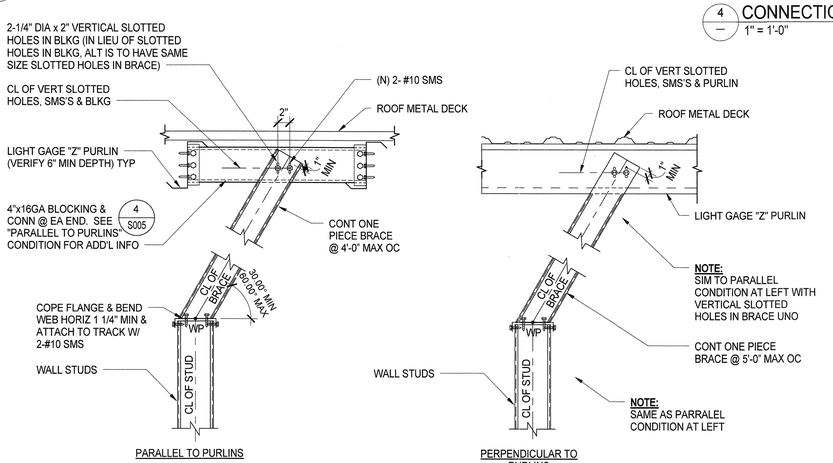
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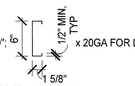


7 — TYPICAL COLUMN AT BEAM DETAIL
1" = 1'-0"

BOLTING REQUIREMENTS TABLE	
BEAM SIZE	No. BOLTS REQ'D
W8	2
W10	2
W12	3
W14	4
W16	4
W18	5
W21	6
W24	7
W27	8
W30	9
W33	9
W36	10

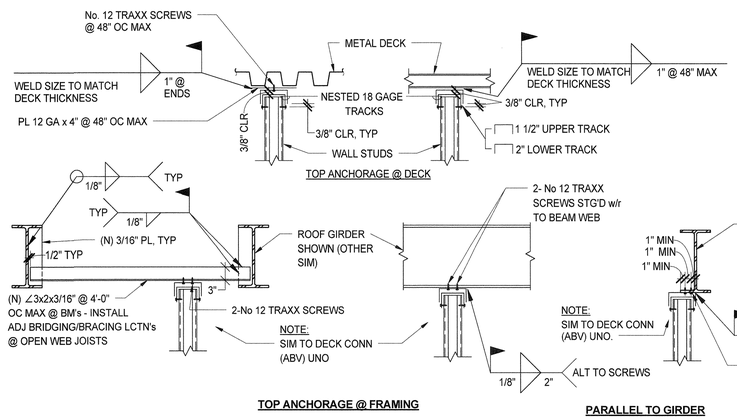
8 — TYPICAL BEAM AT HSS COLUMN DETAIL
1" = 1'-0"

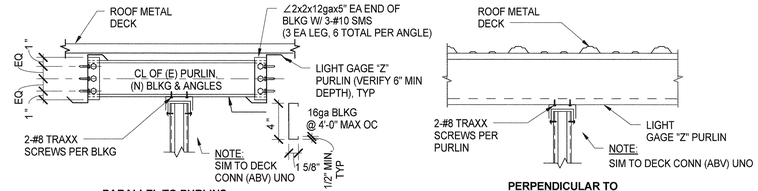


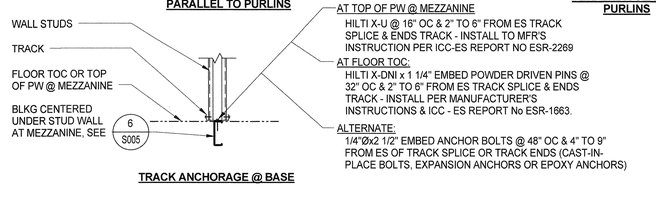
NOTES:
1. BRACE TO BE  x20ga FOR LENGTHS LESS THAN 10'-0",  x 20GA FOR LENGTHS BETWEEN 10'-0" & 20'-0".

ALL BRACES TO BE ASTM A653 STRUCTURAL QUALITY (SS), GRADE 33 (Fy = 33ksi) MIN.
2. ALL SCREWS TO BE SELF-TAPPING SHEET METAL SCREWS, UNO-TRAXX BY ITW BUILDEX OR APPROVED EQUIVALENT. MIN OC SPACING OF SCREWS IS 1", TYP UNO. MIN EDGE DISTANCE - CL SCREW TO MEMBER EDGE IS 1/2" , TYP UNO.
3. FOR OTHER CASES OF NON STRUCTURAL INTERIOR LIGHT GAUGE STUD WALL CONNECTION, SEE 4 S005

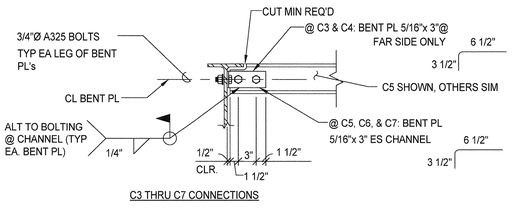
9 — TYPICAL PARTIAL HEIGHT NON STRUCTURAL INTERIOR LIGHT GAUGE STUD WALL CONNECTIONS
1" = 1'-0"





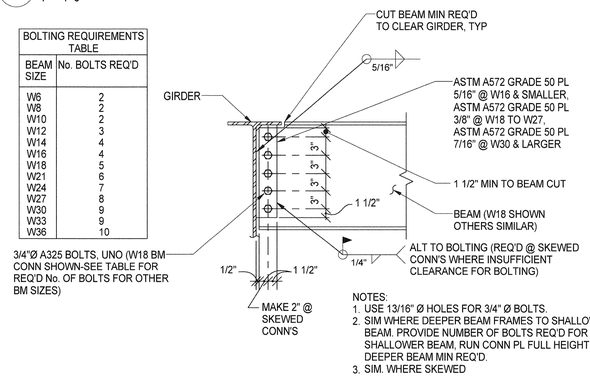


TYPICAL NON STRUCTURAL INTR LIGHT GAUGE STUD WALL CONNECTIONS
4 — 1" = 1'-0"



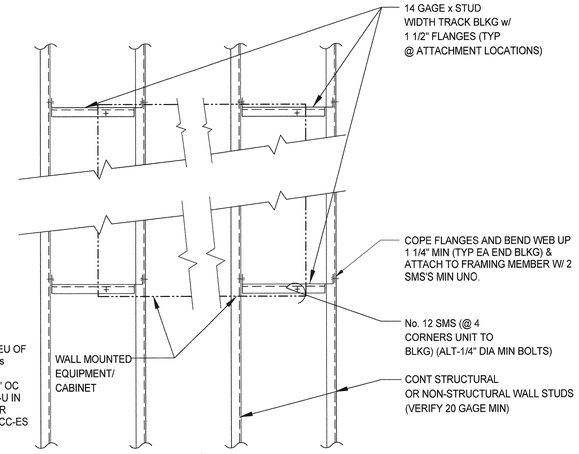
5 — TYPICAL CHANNEL CONNECTION DETAILS
1" = 1'-0"

BOLTING REQUIREMENTS TABLE	
BEAM SIZE	No. BOLTS REQ'D
W6	2
W8	2
W10	2
W12	3
W14	4
W16	4
W18	5
W21	6
W24	7
W27	8
W30	9
W33	9
W36	10



NOTES:
1. USE 13/16" Ø HOLES FOR 3/4" Ø BOLTS.
2. SIM WHERE DEEPER BEAM FRAMES TO SHALLOWER BEAM. PROVIDE NUMBER OF BOLTS REQ'D FOR SHALLOWER BEAM. RUN CONN PL FULL HEIGHT & COPE DEEPER BEAM MIN REQ'D.
3. SIM. WHERE SKEWED

6 — TYPICAL BEAM TO BEAM CONNECTION DETAIL
NTS

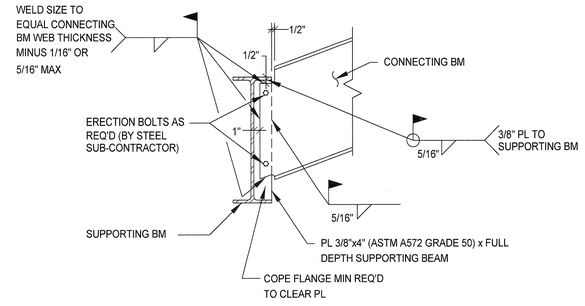


MAX WT OF WALL MOUNTED EQUIPMENT/ CABINET: 200lbs.
MIN 3 STUDS TO SUPPORT WALL MOUNTED EQUIPMENT/ CABINET

1 — TYPICAL DETAIL - WALL MOUNTED EQUIPMENT / CABINET
1" = 1'-0"

NOTES:
1. WF BM's SHOWN- HSS BM's & OTHER SHAPES, SIM.
2. SLOPES VARY, TYP.
3. DECK DEPTH & BM SIZES VARY, TYP.
4. MAKE 1/8" BENT PL WIDTHS MAX AVAILABLE, UON.

2 — TYPICAL DETAIL - SLOPING STANDING SEAM ROOFING @ BM's
1" = 1'-0"



NOTES: 1. SLOPED DOWN SHOWN - SLOPED UP SIM.
2. SLOPED & SKEWED SIM.

3 — TYPICAL DETAIL - SLOPED BEAM CONNECTION
1" = 1'-0"

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER DANNY C. VANG No.: S6143 Exp.: 12/31/16 STRUCTURAL STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
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SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL DETAILS

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **S004**

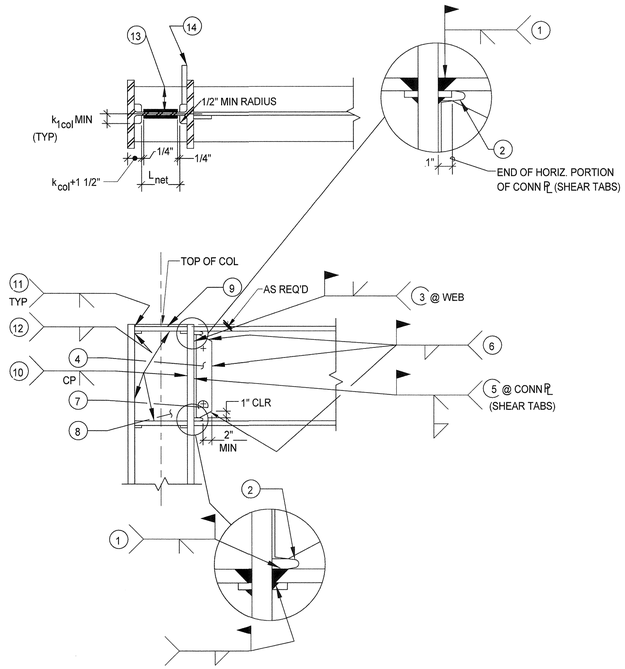
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LAST REVISION: 11/8/2016 12:53:55 PM

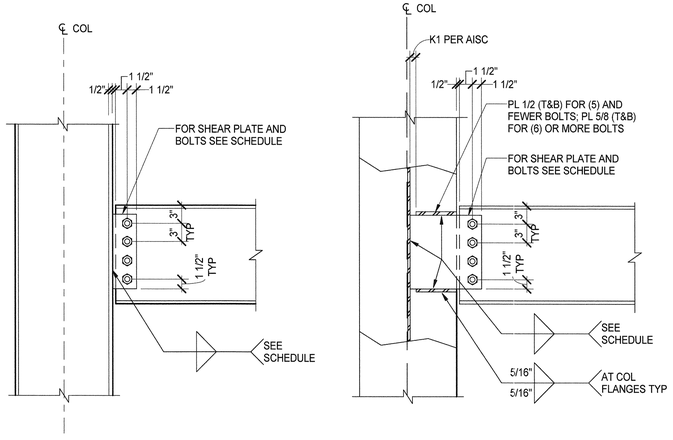
NOTES:

1. CP GROOVE WELD AT TOP AND BOTTOM FLANGES. AT TOP FLANGE, EITHER (1) REMOVE WELD BACKING, BACKGOUGE, AND ADD 5/16" MINIMUM FILLET WELD, OR (2) LEAVE BACKING IN PLACE AND ADD 5/16" FILLET UNDER BACKING. AT BOTTOM FLANGE, REMOVE WELD BACKING, BACKGOUGE, AND ADD 5/16" MINIMUM FILLET WELD. WELD: QC/QA CATAGORY AH/T.
2. WELD ACCESS HOLE, PER (3/S005)
3. CP GROOVE WELD FULL LENGTH OF WEB BETWEEN WELD ACCESS HOLES. PROVIDE NON-FUSIBLE WELD TABS. REMOVE WELD TABS AFTER WELDING AND GRIND END OF WELD SMOOTH AT WELD ACCESS HOLE. WELD: QC/QA CATEGORY BH/T.
4. SHEAR TAB OF THICKNESS EQUAL TO THAT OF BEAM WEB. SHEAR TAB LENGTH SHALL BE SO AS TO ALLOW 1/8" OVERLAP WITH THE WELD ACCESS HOLE AT TOP AND BOTTOM, AND THE WIDTH SHALL EXTEND 2" MINIMUM BACK ALONG THE BEAM, BEYOND THE END OF THE WELD ACCESS HOLE.
5. FULL-DEPTH PARTIAL PENETRATION, FILLET WELD SIZE TO MATCH $\mathbb{P}$ THICKNESS. WELD: QC/QA CATEGORY BM/T.
6. FILLET WELD SHEAR TAB TO BEAM WEB. WELD SIZE SHALL BE EQUAL TO THE THICKNESS OF THE SHEAR TAB MINUS 1/16". WELD SHALL EXTEND OVER THE TOP AND BOTTOM ONE-THIRD OF THE SHEAR TAB HEIGHT AND ACROSS THE TOP AND BOTTOM. WELD: QC/QA CATEGORY BL/L.
7. ERECTION BOLTS: NUMBER, TYPE, AND SIZE SELECTED FOR ERECTION LOADS, BY CONTRACTOR.
8. ASTM A572, GRADE 50 WEB DOUBLER PLATE WHERE OCCURS. (WELDS: QC/QA CATEGORY BL/L TYP.)
9. ASTM A572 GRADE 50 STIFFENER $\mathbb{P}$s TYP ADJ ALL BM FLANGES (MATCH THICKEST ADJ BM FLANGE THICKNESS, TYP.)
10. CP TYP @ STIFF & DOUBLER $\mathbb{P}$s. QC/QA CATEGORY BL/L.
11. CP TYP. QC/QA CATEGORY BM/T.
12. AISC MINIMUM CONTINUOUS FILLET WELD UNDER BACKING, TYP.
13. MINIMUM WIDTH TO MATCH BEAM FLANGE, TYP.
14. REMOVE WELD TABS TO 1/4" MAXIMUM FROM EDGE OF CONTINUITY PLATE. GRIND END OF WELD SMOOTH (500 MICRO.-IN.), NOT FLUSH. DO NOT GOUGE COL FLANGE. (TYP.)
15. ALL CONSTRUCTION & QUALITY CONTROL SHALL COMPLY WITH FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) 353 REQUIREMENTS (INCLUDING CUTTING & SMOOTHNESS REQUIREMENTS), TYPICAL UNO.

NOTE: XX/X (BL/L) INDICATES WELD QC/QA CATEGORY PER FEMA 353, TYP.



4 TYP DET - MOMENT FRAME CONN. - BM @ WF COL
3/4" = 1'-0"



A BEAM TO COLUMN FLANGE

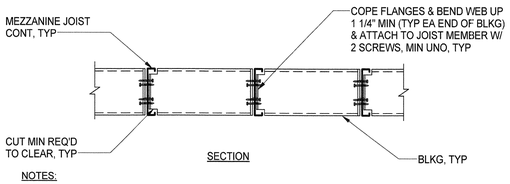
B BEAM TO COLUMN WEB

STANDARD BOLTED CONNECTION SCHEDULE			
BEAM SIZE	NO. & SIZE OF BOLTS REQUIRED	PLATE THICKNESS	WELD SIZE
W8 / C8	(2) 3/4" Ø	5/16"	1/4"
W10 / C10	(2) 3/4" Ø	5/16"	1/4"
W12 / C12	(3) 3/4" Ø	5/16"	1/4"
W14	(4) 3/4" Ø	5/16"	1/4"
W16	(4) 3/4" Ø	5/16"	1/4"
W18	(5) 3/4" Ø	3/8"	5/16"
W21	(6) 3/4" Ø	3/8"	5/16"
W24	(7) 3/4" Ø	3/8"	5/16"
W27	(8) 3/4" Ø	3/8"	5/16"
W30	(9) 3/4" Ø	7/16"	3/8"
W33	(9) 3/4" Ø	7/16"	3/8"
W36	(10) 3/4" Ø	7/16"	3/8"

NOTES:

1. ALL BOTLS TO BA ASTM 325 UON.
2. CONNECTION PLATES TO HAVE AISC STANDARD ROUND HOLES UNLESS NOTED OTHERWISE.
3. ALL CONNECTION PLATE MATERIAL TO BE ASTM 572 GRADE 50.

5 TYPICAL BEAM AT WIDE FLANGE COL DETAIL
1" = 1'-0"



NOTES:

1. BLKG TO BE JOIST MEMBER x 20 GA W/ 1 1/2" MIN LEGS, TYP UNO.
2. ALL SCREWS No. 12 SELF-TAPPING SHEET METAL SCREWS - TRAXX. BY ITW BUILDEX OR APPROVED EQUIVALENT. MIN OC SPACING OF SCREWS IS 1", TYP UNO. MIN EDGE DISTANCE - CL SCREW TO MEMBER EDGE IS 1/2", TYP UNO.

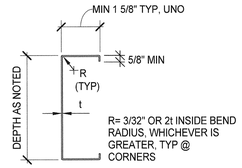
6 TYPICAL LIGHT GAUGE BLOCKING & CONNECTION AT JOISTS
NTS

		MINIMUM EFFECTIVE SECTION PROPERTIES @ YIELD			
SECTION DESIGNATION	DEPTH (IN)	Ixx (IN^4)	Sx (IN^3)	GROSS AREA (IN^2)	GAGE
J1 (1)	8	10.017	2.5043	1.1944	12

(1) TYPICAL MEZZANINE JOIST

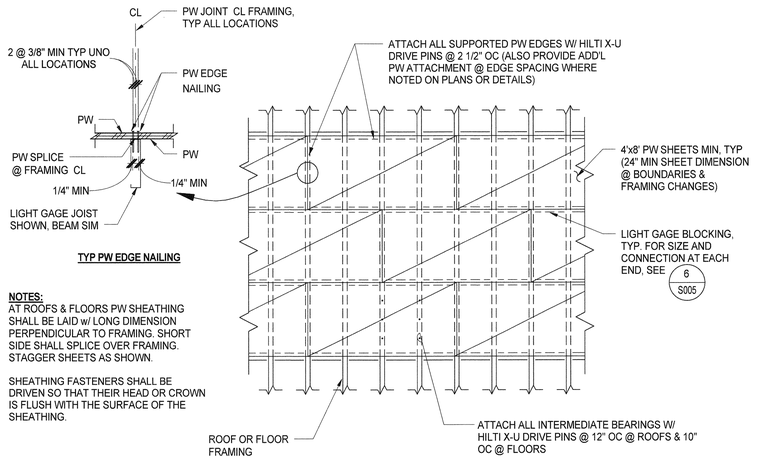
MINIMUM REQ'D THICKNESS	
GAGE	THICKNESS* (IN)
20	.0346
18	.0451
16	.0566
14	.0713
12	.1017

(*:STEEL THICKNESS, NOT INCLUDING GALV, OR OTHER FINISH)



TYPICAL SECTION, UNO
NTS

1 TYPICAL MIN COLD FORMED (LIGHT GAUGE) STEEL MEMBER PROPERTIES (MEZZANINE JOIST)
NTS

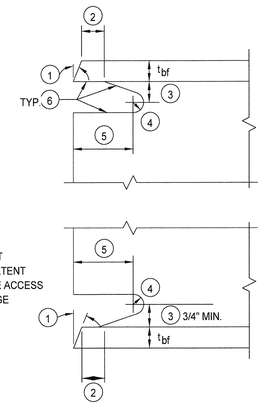


TYP PW EDGE NAILING

NOTES:

1. AT ROOFS & FLOORS PW SHEATHING SHALL BE LAID w/ LONG DIMENSION PERPENDICULAR TO FRAMING. SHORT SIDE SHALL SPLICE OVER FRAMING. STAGGER SHEETS AS SHOWN.
2. SHEATHING FASTENERS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING.

2 TYPICAL PW SHEATHING DETAIL
1" = 1'-0"



NOTES:

1. BEVEL AS REQUIRED BY AWS D1.1 FOR SELECTED GROOVE WELD PROCEDURE.
2. LARGER OF t_{bf} OR 1/2 INCH. (PLUS 1/2 t_{bf}, OR MINUS 1/4 t_{bf})
3. 3/4 t_{bf} TO t_{bf} , 3/4" MINIMUM (± 1/4 INCH)
4. 3/8" MINIMUM RADIUS (PLUS NOT LIMITED, OR MINUS 0)
5. 3 t_{bf}. (± 1/2 INCH)
6. SEE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)-353, RECOMMENDED SPECIFICATIONS AND QUALITY ASSURANCE GUIDELINES FOR STEEL MOMENT-FRAME CONSTRUCTION FOR SEISMIC APPLICATIONS, FOR FABRICATION DETAILS INCLUDING CUTTING METHODS AND SMOOTHNESS REQUIREMENTS.

3 TYP DET-WELD ACCESS HOLE
3/4" = 1'-0"

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(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER DANNY C. VANG No.: S6143 Exp.: 12/31/16 STRUCTURAL STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL DETAILS

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

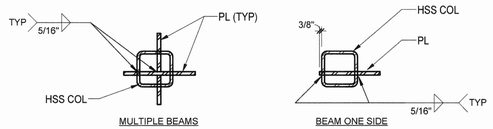
REVISIONS

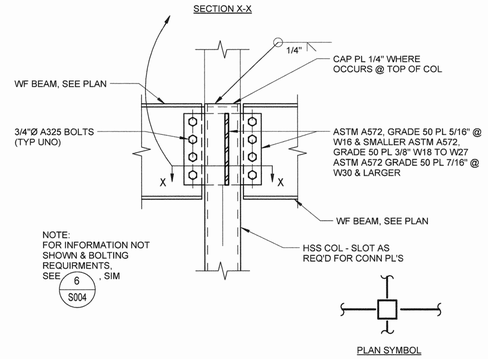
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET S005

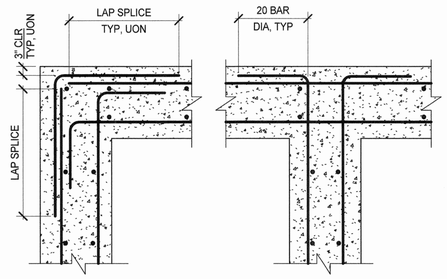
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LAST REVISION: 11/8/2016 12:53:57 PM

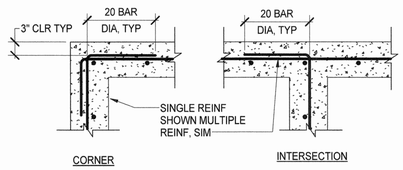




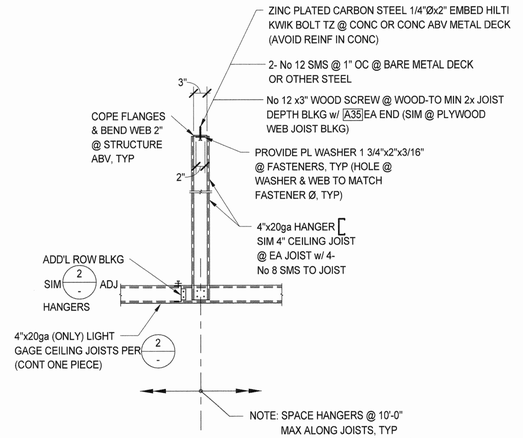
4 — TYPICAL BEAM AT HSS COLUMN
1" = 1'-0"



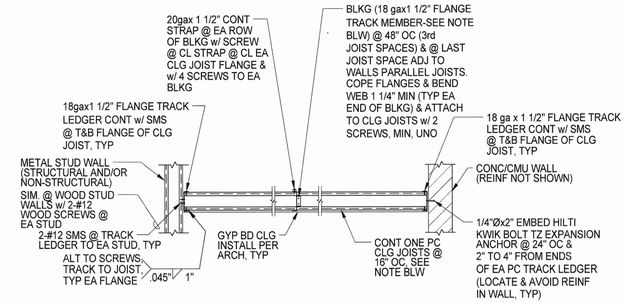
5 — TYPICAL CONCRETE REINF DETAIL
NTS



6 — TYPICAL CONCRETE REINF DETAIL
NTS

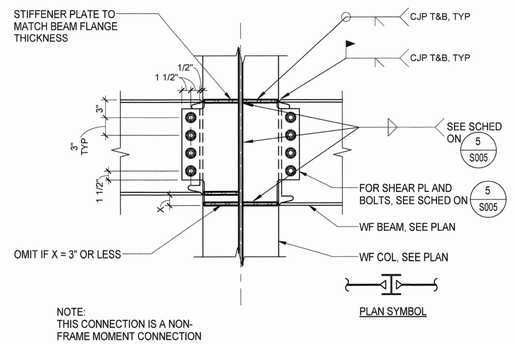


1 — TYPICAL DETAIL - INTERMEDIATE HANGERS @ LIGHT GAUGE STEEL CEILING JOISTS
NTS



NOTES:
1. CLG JOISTS TO BE 4" 1 5/8" MIN. x 20ga FOR SPANS LESS THAN 10'-0"; 6" 1 5/8" MIN. x 20ga FOR SPANS BETWEEN 10'-0" & 12'-0" & 6" 1 5/8" MIN. x 18ga FOR SPANS GREATER THAN 12'-0" & LESS THAN 16'-0". 1/2" MIN., TYP. 1/2" MIN, TYP 1/2" MIN, TYP
   ALL CLG JOISTS TO BE ASTM A653 STRUCTURAL QUALITY (SS), GRADE 33 (Fy=33 ksi) MIN.
2. BLKG TO OCCUR @ FOLLOWING LCTN's ALONG CLG JOISTS: @ MID-SPAN FOR SPANS LESS THAN 12'-0" & @ ONE THIRD POINTS FOR SPANS BETWEEN 12'-0" & 16'-0". NO BLKG REQ'D FOR CLG JOIST SPANS LESS THAN 6'-0" UON.
3. ALL SCREWS No 8 SELF-TAPPING SHEET METAL SCREWS, UNO - TRAXX BY ITW BUILDEX OR APPROVED EQUIVALENT MIN OC SPACING OF SCREWS IS 1", TYP UNO. MIN EDGE DISTANCE - CL SCREW TO MEMBER EDGE IS 1/2", TYP UNO.
4. WHEN JOIST SPANS EXCEED LIMITS GIVEN ABV-INTERMEDIATE HANGERS PER 1 / - MAY BE UTILIZED TO REDUCE JOIST SPANS (UTILIZE 4"x20ga JOISTS ONLY FOR THIS OPTION).

2 — TYPICAL DETAIL - LIGHT GAUGE STEEL CLG JOISTS
1/2" = 1'-0"



3 — BEAM TO COLUMN WEB MOMENT CONN
1" = 1'-0"

LAST REVISION: 11/8/2016 12:53:58 PM

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REGISTERED PROFESSIONAL ENGINEER
DANNY C. YANG
No.: S6143
Exp.: 12/31/16
STRUCTURAL
STATE OF CALIFORNIA

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Reviewed by:

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM
AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL DETAILS

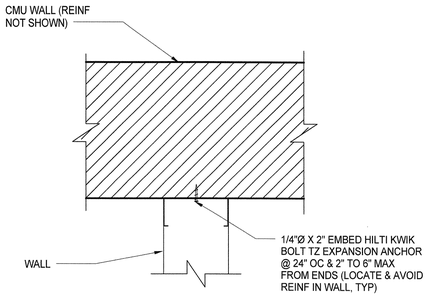
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REVISIONS

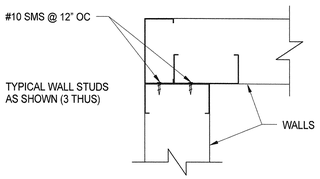
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **S006**

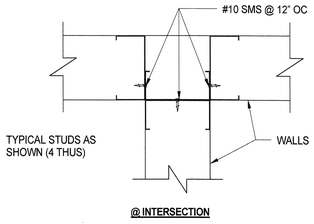
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@ CMU WALL

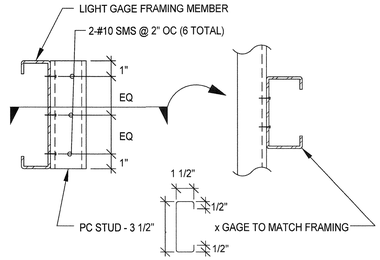


@ CORNER

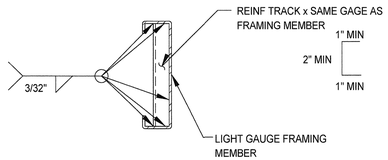


@ INTERSECTION

9 TYP LIGHT GAGE STUDS @ CORNER / INTERSECTION
3" = 1'-0"

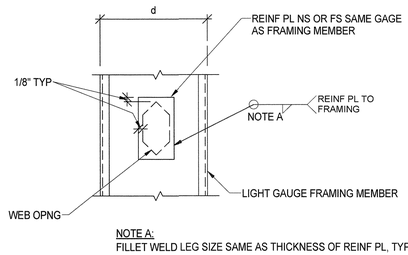


ALT 1 (SCREWED)



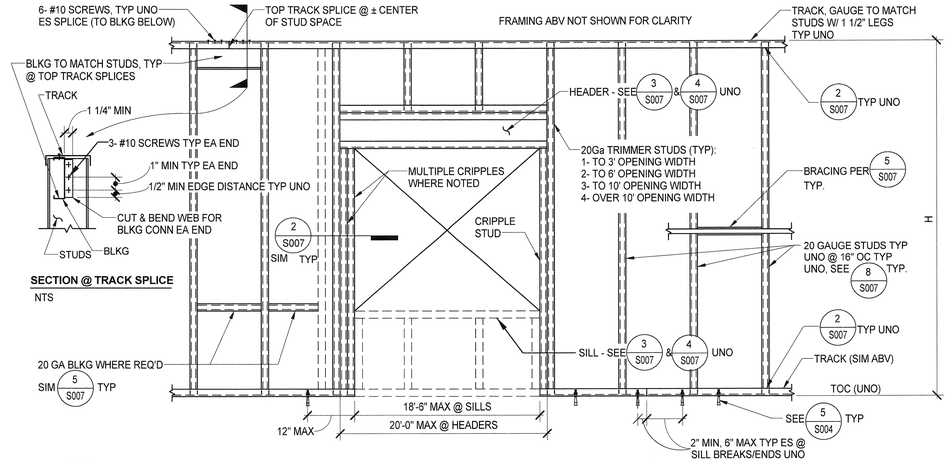
ALT 2 (WELDED)

6 TYPICAL LIGHT GAUGE STEEL FRAMING STIFFENER DETAIL
NTS



NOTE A:
FILLET WELD LEG SIZE SAME AS THICKNESS OF REINF PL, TYP

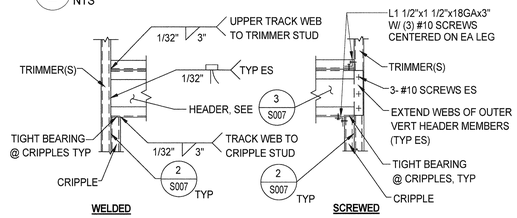
NOTES:
1. APPLIES TO ALL WEB OPENINGS WITHIN 2d OF MEMBER ENDS OR SUPPORT LOCATIONS, TYPICAL.
2. OTHER HOLE CONFIGURATIONS SIMILAR, TYP.



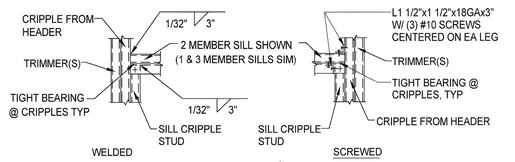
SECTION @ TRACK SPLICE
NTS

NOTES:
1. USE 18GA FOR 3.625" AND 4" DEEP STUDS WHERE H EXCEEDS 16'. USE 18GA FOR 6" DEEP STUDS WHERE H EXCEEDS 24'-6".
2. SHEATHING SHALL BE ATTACHED TO STUDS WITH #6 SCREWS OR LARGER AT 12" OC MAX.
3. DETAILS AND MEMBER SIZES SHOWN ARE FOR A DEFLECTION LIMIT OF H/240.

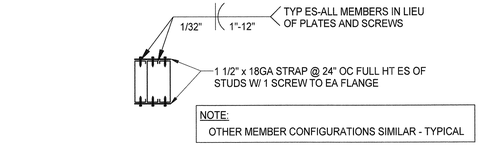
1 TYPICAL LIGHT GAUGE STEEL STUD WALL FRAMING DETAIL
NTS



TYP HEADER CONNECTION
NOTE: SINGLE TRIMMER SHOWN - MULTIPLE TRIMMERS SIM

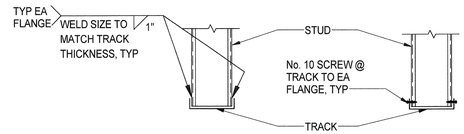


TYP SILL CONNECTION
NOTE: SINGLE TRIMMER SHOWN - MULTIPLE TRIMMERS SIM



NOTE:
OTHER MEMBER CONFIGURATIONS SIMILAR - TYPICAL

TYP INTERCONNECTION @ MULTIPLE MEMBERS

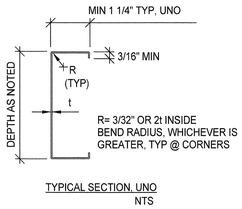


TYP STUD TO TRACK CONN (BOTTOM SHOWN - TOP SIM)
(JOIST TO LEDGER SIM UNO)

NOTE:
1. SCREWS TO BE No. 10 SELF TAPPING SHEET METAL SCREWS - TRAXX BY ITW BUILDEX OR APPROVED EQUIVALENT, TYP UNO. CENTER ON CONTACT, UNO W/ 1/2" MIN EDGE DISTANCE & 1" MIN SPACING UNO.

7 TYPICAL LIGHT GAUGE STEEL WEB OPENING REINF
NTS

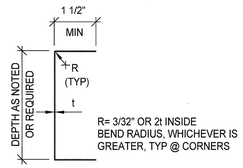
SECTION DESIGNATION	DEPTH (IN)	MINIMUM EFFECTIVE SECTION PROPERTIES @ YIELD Ixx (IN^4)	Sx (IN^3)	GROSS AREA (IN^2)
C3.625x20	3.625	0.415	0.201	0.215
C4x20	4	0.523	0.231	0.228
C6x20	6	1.391	0.408	0.297
C3.625x18	3.625	0.536	0.285	0.278
C4x18	4	0.676	0.327	0.295
C6x18	6	1.802	0.584	0.385



TYPICAL SECTION, UNO
NTS

MINIMUM REQ'D THICKNESS	
GAGE	THICKNESS* (IN)
20	.0346
18	.0451
16	.0566
14	.0713
12	.1017

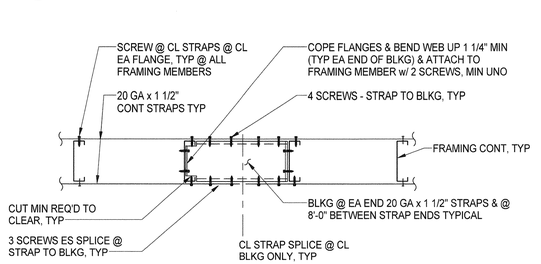
(*:STEEL THICKNESS, NOT INCLUDING GALV, OR OTHER FINISH)



TYPICAL TRACK SECTION, UNO
NTS

8 TYPICAL MIN COLD FORMED (LIGHT GAUGE) STEEL MEMBER PROPERTIES
NTS

4 TYPICAL LIGHT GAUGE STEEL WALL OPENING DETAILS
NTS

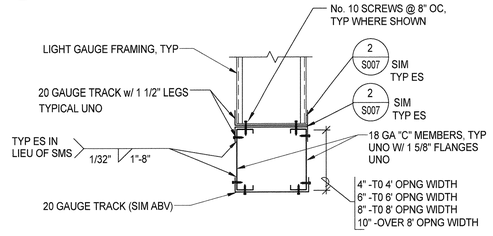


SECTION

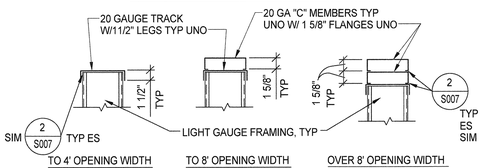
NOTES:
1. BLKG TO BE TRACK MEMBER x 20 GA w/ 1 1/2" LEGS, TYP UNO.
2. PROVIDE LINES OF BRACING @ 4'-0" OC ALONG LENGTH OF FRAMING MEMBERS, UNO.
3. WHERE FRAMING HAS SHEATHING ATTACHED TO FLANGE ONE SIDE, STRAPS NOT REQ'D @ THAT SIDE, UNO.
4. WHERE FRAMING HAS SHEATHING ATTACHED TO FLANGE BOTH SIDES, BRACING NOT REQ'D, UNO.
5. ALL SCREWS No. 10 SELF-TAPPING SHEET METAL SCREWS - TRAXX BY ITW BUILDEX OR APPROVED EQUIVALENT. MIN OC SPACING OF SCREWS IS 1", TYP UNO. MIN EDGE DISTANCE - CL SCREW TO MEMBER EDGE IS 1/2", TYP UNO.

5 TYPICAL LIGHT GAUGE STEEL FRAMING BRACING DETAIL
NTS

2 TYPICAL LIGHT GAUGE STEEL FRAMING DETAILS
NTS



TYP HEADERS



TYP SILLS

3 TYPICAL DETAIL - LIGHT GAUGE SILLS & HEADERS
NTS

LAST REVISION: 11/8/2016 12:54:01 PM

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REGISTERED PROFESSIONAL ENGINEER
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2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL INTERIOR COLD FORMED STEEL FRAMING DETAILS

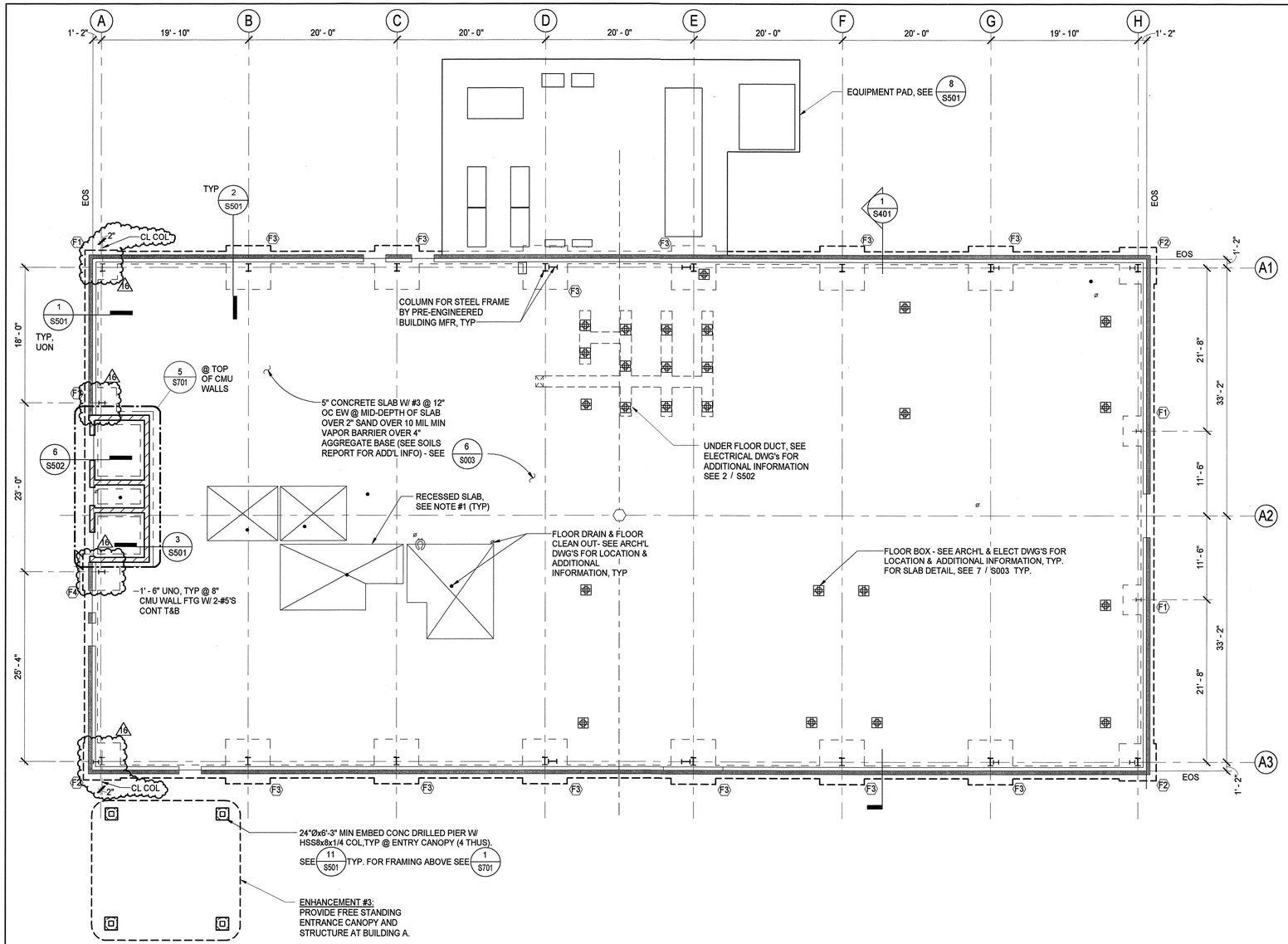
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF BAR IS NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET S007

C:\BIM\CLAYBANK VOCED_asalija@kitchell.com.rvt



1 — FOUNDATION PLAN - BUILDING A
1/8" = 1'-0"

2 — SPREAD FOOTING SCHEDULE - BUILDING A

SEE DETAIL 2 / S501 .

FOOTING DESIGNATION	PLAN DIMENSIONS	THICKNESS	REINF @ 3" CLR (FROM BOF UON)	COMMENTS
F1	4' - 0" SQ	2' - 0"	7 - #5 EA WAY	7 - #5 EA WAY @ 3" CLR FROM TOF
F2	5' - 0" SQ	2' - 0"	9 - #5 EA WAY	9 - #5 EA WAY @ 3" CLR FROM TOF
F3	6' - 0" SQ	3' - 0"	11 - #6 EA WAY	11 - #6 EA WAY @ 3" CLR FROM TOF
F4	5' - 0" SQ	3' - 0"	9 - #6 EA WAY	9 - #6 EA WAY @ 3" CLR FROM TOF

TYPICAL FOUNDATION AND SLAB ON GRADE NOTES:

1. NOT ALL DEPRESSED SLABS SHOWN. SEE ARCH'L DRAWINGS FOR LOCATIONS & @ AREAS REQUIRING DEPRESSED SLAB FOR FINISHES OR EQUIPMENT, TYPICAL 7 / S003
2. SEE ARCH'L DRAWINGS AND/OR SPECIFICATIONS FOR AREAS REQUIRING SLAB SLOPED TO DRAIN, TYPICAL
3. VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS, TYPICAL - IN CASES OF CONFLICT, ARCH'L DRAWINGS WILL GOVERN.
4. F3 INDICATES SPREAD FOOTING, TYPICAL - SEE 2 / S201
5. SEE 8 / S501 TYPICAL FOR EQUIPMENT PADS. SEE MECH & ELECT DRAWINGS FOR LOCATION & SIZE.
6. INDICATES 8" CMU WALL, GROUTED SOLID W/ #5 @ 24" OC VERT & W/ #5 @ 16" OC HORIZ. @ CL WALL TYP REINF UNO - SEE 1 / S003 , 2 / S003 & 3 / S003 FOR ADD'L INFO, TYP
7. INDICATES 6" CMU PARTIAL HEIGHT WALL, GROUTED SOLID W/ #5 @ 24" OC VERT @ CL WALL & W/ #4 @ 24" OC HORIZ

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER — DANNY C. VANG — No.: S6143 — Exp. 12/31/18 — STRUCTURAL — STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

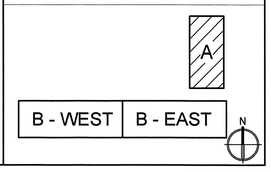
SHEET TITLE:
FOUNDATION PLAN - BLDG A

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017
5	FTG DESIGNED FOR PEMB LOADS	6/16/2017
13	BACKCHECK BUL#1	7/12/2017
16	ASI-005	7/25/2017

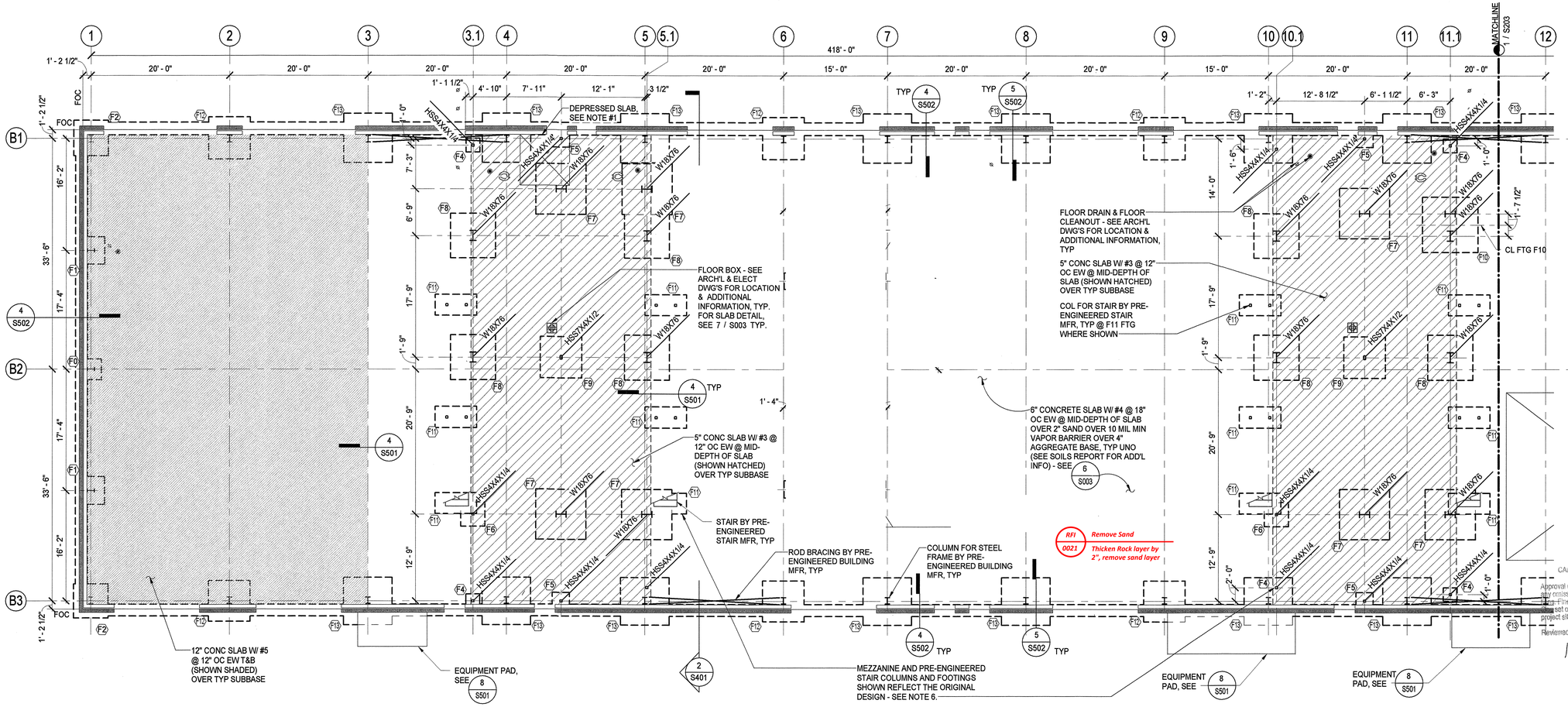
KEY PLAN



JOB NO. 4907A
DATE 11/9/2016
SHEET **S201**

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LAST REVISION: 7/25/2017 5:03:22 PM



1 — FOUNDATION PLAN BLDG B - WEST
1/8" = 1'-0"

2 — SPREAD FOOTING SCHEDULE - BUILDING B

SEE DETAIL 9 / S003 @ INTR & 5 / S502 @ EXTR.

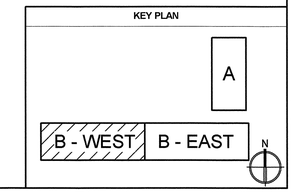
FOOTING DESIGNATION	PLAN DIMENSIONS	THICKNESS	REINF @ 3" CLR (FROM BOF UON)	COMMENTS
F0	3' - 0" SQ	2' - 0"	6 - #5 EA WAY	6 - #5 EA WAY @ 3" CLR FROM TOF
F1	4' - 0" SQ	2' - 0"	7 - #5 EA WAY	7 - #5 EA WAY @ 3" CLR FROM TOF
F2	5' - 0" SQ	2' - 0"	9 - #5 EA WAY	9 - #5 EA WAY @ 3" CLR FROM TOF
F3	6' - 0" SQ	2' - 0"	11 - #5 EA WAY	11 - #5 EA WAY @ 3" CLR FROM TOF
F4	2' - 0" SQ	1' - 6"	3 - #5 EA WAY	
F5	2' - 6" SQ	1' - 6"	5 - #5 EA WAY	
F6	3' - 6" SQ	1' - 6"	5 - #5 EA WAY	
F7	7' - 3" SQ	3' - 6"	15 - #6 EA WAY	15 - #6 EA WAY @ 3" CLR FROM TOF
F8	6' - 6" SQ	3' - 0"	12 - #6 EA WAY	12 - #6 EA WAY @ 3" CLR FROM TOF
F9	6' - 0" SQ	1' - 6"	8 - #5 EA WAY	
F10	8' - 0" SQ	3' - 6"	17 - #6 EA WAY	17 - #6 EA WAY @ 3" CLR FROM TOF
F11 *	3'-0" x 6'-0"	2' - 0"	#5 @12" EA WAY	#5 @ 12" EA WAY @ 3" CLR FROM TOF
F12	6' - 0" SQ	3' - 0"	11 - #6 EA WAY	11 - #6 EA WAY @ 3" CLR FROM TOF
F13	7' - 0" SQ	3' - 0"	13 - #6 EA WAY	13 - #6 EA WAY @ 3" CLR FROM TOF
F14	7' - 0" SQ	4' - 0"	13 - #7 EA WAY	13 - #7 EA WAY @ 3" CLR FROM TOF

* THIS FOOTING IS TO SUPPORT THE PRE-ENGINEERED STAIR-OVERLAP W/ OTHER FTG'S AS REQ'D. CENTER THE FOOTING EA WAY ON THE STAIR COLUMNS OR STAIR STRINGERS. COORDINATE THE FOOTING LOCATION WITH THE ARCHITECTURAL DWG'S.

TYPICAL FOUNDATION AND SLAB ON GRADE NOTES:

1. NOT ALL DEPRESSED SLABS SHOWN. SEE ARCH'L DRAWINGS FOR LOCATIONS & @ AREAS REQUIRING DEPRESSED SLAB FOR FINISHES OR EQUIPMENT, TYPICAL 7 S003
2. SEE ARCH'L DRAWINGS AND/OR SPECIFICATIONS FOR AREAS REQUIRING SLAB SLOPED TO DRAIN, TYPICAL
3. VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS, TYPICAL - IN CASES OF CONFLICT, ARCH'L DRAWINGS WILL GOVERN.
4. F3 INDICATES SPREAD FOOTING, TYPICAL - SEE 2 S202
5. SEE 8 S501 TYPICAL FOR EQUIPMENT PADS. SEE MECH & ELECT DRAWINGS FOR LOCATION & SIZE.
6. THE BUILDING B MEZZANINE & STAIR COLUMNS AND FOOTINGS SHOWN WILL BE MODIFIED PENDING THE MEZZANINE REDESIGN AND ARE NOT FOR CONSTRUCTION. SEE MEZZANINE ENGINEER'S DRAWINGS FOR LATEST DESIGN AND LOCATION OF MEZZANINE AND PRE-ENGINEERED STAIR COLUMNS AND FOOTINGS.
7. INDICATES 6" CMU PARTIAL HEIGHT WALL, GROUTED SOLID W/ #5 @ 24" OC VERT @ CL WALL & W/ #4 @ 24" OC HORIZ.

KEY PLAN



LAST REVISION: 7/25/2017 5:03:25 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER DANNY C. VANG No.: S6143 Exp.: 12/31/18 STRUCTURAL STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: _____

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FOUNDATION PLAN BLDG B - WEST

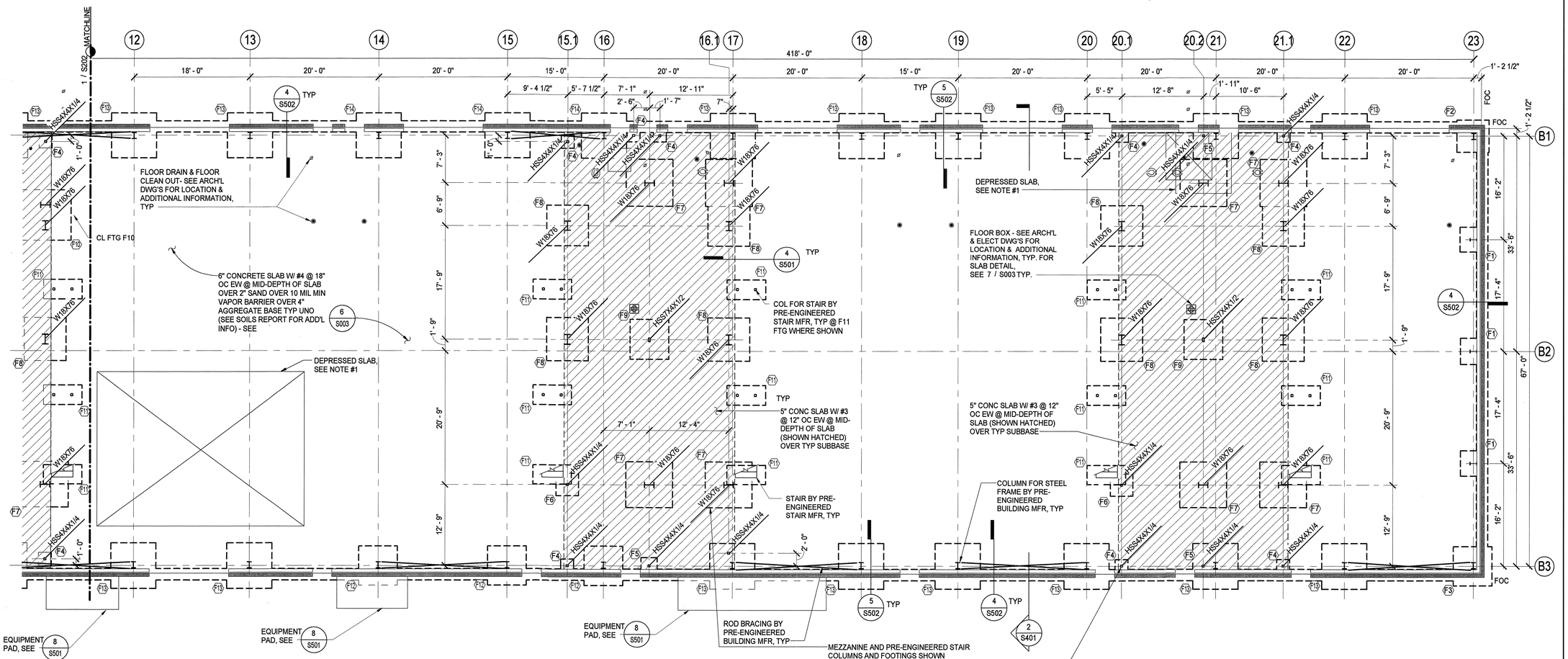
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2	ADDENDUM #6	3/3/2017
3	FTG DESIGNED FOR PEMB LOADS	6/16/2017
4	BACKCHECK BUL#1	7/12/2017
5	ASI-005	7/25/2017
6		

JOB NO. 4907A3
DATE 11/9/2016
SHEET S202 6

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1 — FOUNDATION PLAN BLDG B - EAST
1/8" = 1'-0"

2 — SPREAD FOOTING SCHEDULE - BUILDING B

SEE DETAIL 9 / S003 @ INTR & 5 / S502 @ EXTR.

FOOTING DESIGNATION	PLAN DIMENSIONS	THICKNESS	REINF @ 3" CLR (FROM BOF UON)	COMMENTS
F0	3' - 0" SQ	2' - 0"	6 - #5 EA WAY	6 - #5 EA WAY @ 3" CLR FROM TOF
F1	4' - 0" SQ	2' - 0"	7 - #5 EA WAY	7 - #5 EA WAY @ 3" CLR FROM TOF
F2	5' - 0" SQ	2' - 0"	9 - #5 EA WAY	9 - #5 EA WAY @ 3" CLR FROM TOF
F3	6' - 0" SQ	2' - 0"	11 - #5 EA WAY	11 - #5 EA WAY @ 3" CLR FROM TOF
F4	2' - 0" SQ	1' - 6"	3 - #5 EA WAY	
F5	2' - 6" SQ	1' - 6"	5 - #5 EA WAY	
F6	3' - 6" SQ	1' - 6"	5 - #5 EA WAY	
F7	7' - 3" SQ	3' - 6"	15 - #6 EA WAY	15 - #6 EA WAY @ 3" CLR FROM TOF
F8	6' - 6" SQ	3' - 0"	12 - #6 EA WAY	12 - #6 EA WAY @ 3" CLR FROM TOF
F9	6' - 0" SQ	1' - 6"	8 - #5 EA WAY	
F10	8' - 0" SQ	3' - 6"	17 - #6 EA WAY	17 - #6 EA WAY @ 3" CLR FROM TOF
F11 *	3'-0" x 6'-0"	2' - 0"	#5 @12" EA WAY	#5 @ 12" EA WAY @ 3" CLR FROM TOF
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2. SEE ARCH'L DRAWINGS AND/OR SPECIFICATIONS FOR AREAS REQUIRING SLAB SLOPED TO DRAIN, TYPICAL
3. VERIFY ALL DIMENSIONS WITH ARCH'L DRAWINGS, TYPICAL - IN CASES OF CONFLICT, ARCH'L DRAWINGS WILL GOVERN.
4. F3 INDICATES SPREAD FOOTING, TYPICAL - SEE (2 / S203)
5. SEE (8 / S501) TYPICAL FOR EQUIPMENT PADS. SEE MECH & ELECT DRAWINGS FOR LOCATION & SIZE.
6. THE BUILDING B MEZZANINE & STAIR COLUMNS AND FOOTINGS SHOWN WILL BE MODIFIED PENDING THE MEZZANINE REDESIGN AND ARE NOT FOR CONSTRUCTION. SEE MEZZANINE ENGINEER'S DRAWINGS FOR LATEST DESIGN AND LOCATION OF MEZZANINE AND PRE-ENGINEERED STAIR COLUMNS AND FOOTINGS.
7. INDICATES 6" CMU PARTIAL HEIGHT WALL, GROUTED SOLID W/ #5 @ 24" OC VERT @ CL WALL & W/ #4 @ 24" OC HORIZ.

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

12/7/17

N

KEY PLAN

A | B - WEST | B - EAST

N

LAST REVISION: 7/25/2017 5:03:28 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
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(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER
DANNY C. YANG
No.: S6143
Exp.: 12/31/18
STRUCTURAL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FOUNDATION PLAN BLDG B - EAST

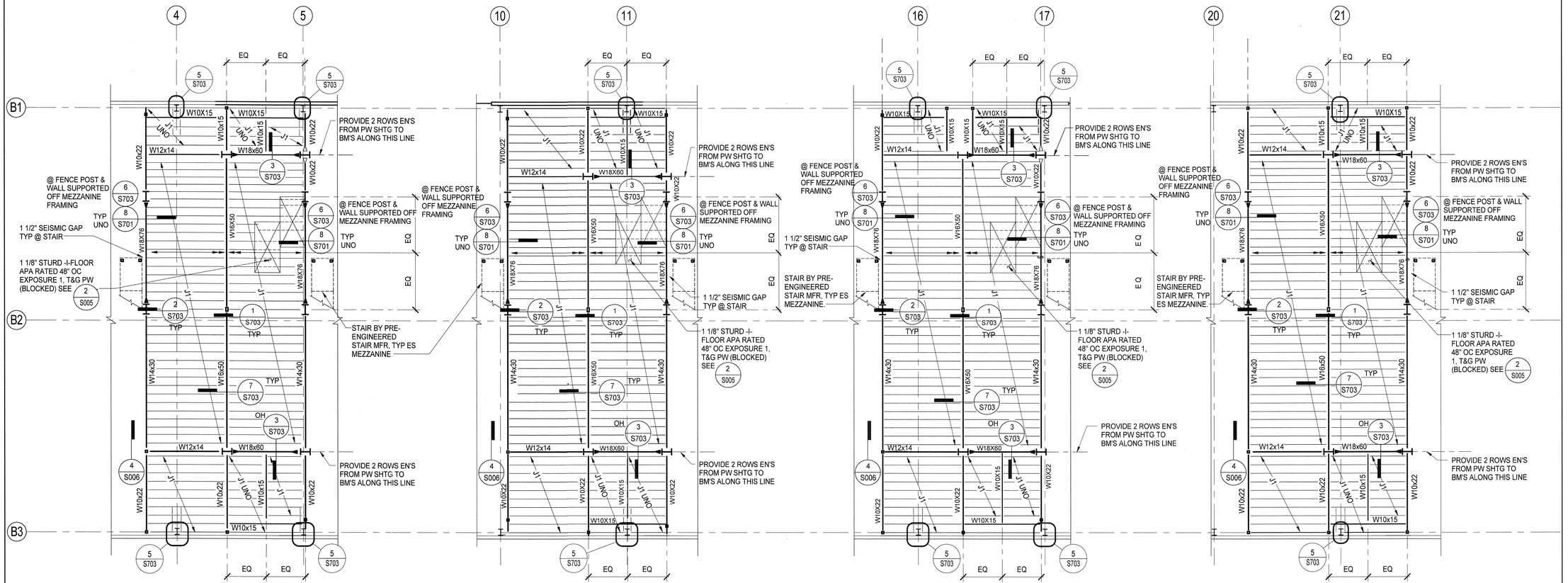
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2	ADDENDUM #6	3/3/2017
3	FTG DESIGNED FOR PEMB LOADS	6/16/2017
4	BACKCHECK BUL#1	7/12/2017
5	ASI-005	7/25/2017
6		

JOB NO. 4907A3
DATE 11/9/2016
SHEET S203 6

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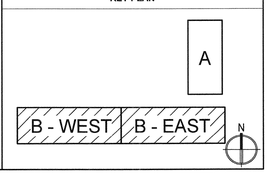
1 MEZZANINE FRAMING PLAN - BLDG B
1/8" = 1'-0"

N

FRAMING NOTES:

1. J1 INDICATES 8"x 12GA, UNPUNCHED, JOISTS @ 16" OC MAX, SEE 1/S005
2. INDICATES MOMENT FRAME CONN, TYP - SEE 4/S005
3. FOR TYPICAL BEAM TO BEAM CONN, SEE 6/S004
4. FOR TYPICAL BEAM TO HSS COL CONN, SEE 8/S004 UNO
5. FOR TYPICAL BEAM CANTILEVER AT HSS COL, SEE 7/S004
6. INDICATES BRACE PER 7/S703
7. INDICATES NON-FRAME MOMENT CONN, TYP - SEE 3/S006

KEY PLAN



LAST REVISION: 11/8/2016 12:54:08 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER
DANNY C. VANG
No.: S6143
Exp.: 12/31/16
STRUCTURAL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

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2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
MEZZANINE FRAMING PLAN - BLDG B

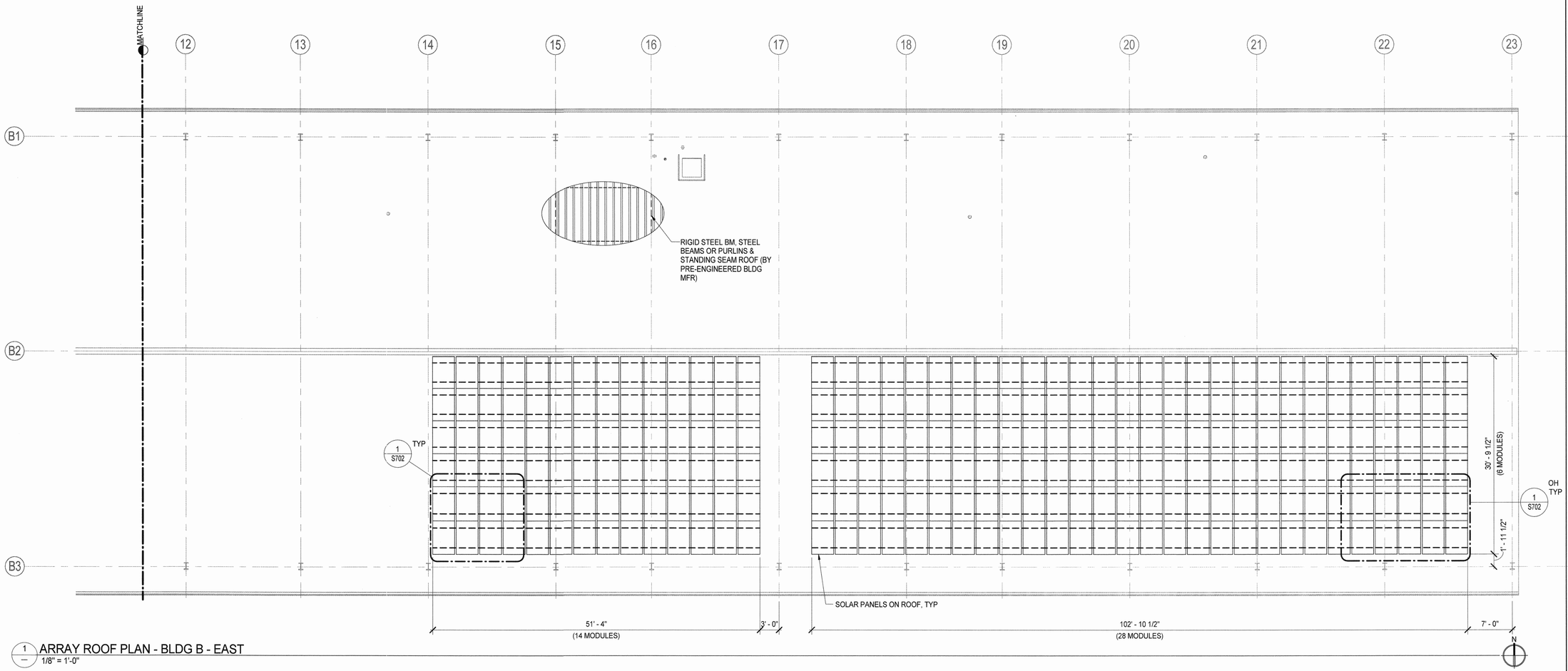
SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **S222**

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1 — ARRAY ROOF PLAN - BLDG B - EAST
1/8" = 1'-0"

LAST REVISION: 11/8/2016 12:54:10 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER
DANNY C. VANG
No.: S6143
Exp.: 12/31/16
STRUCTURAL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: CFDV

SOLANO COUNTY A.T.N.M.

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ARRAY ROOF PLAN - BLDG B - EAST

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

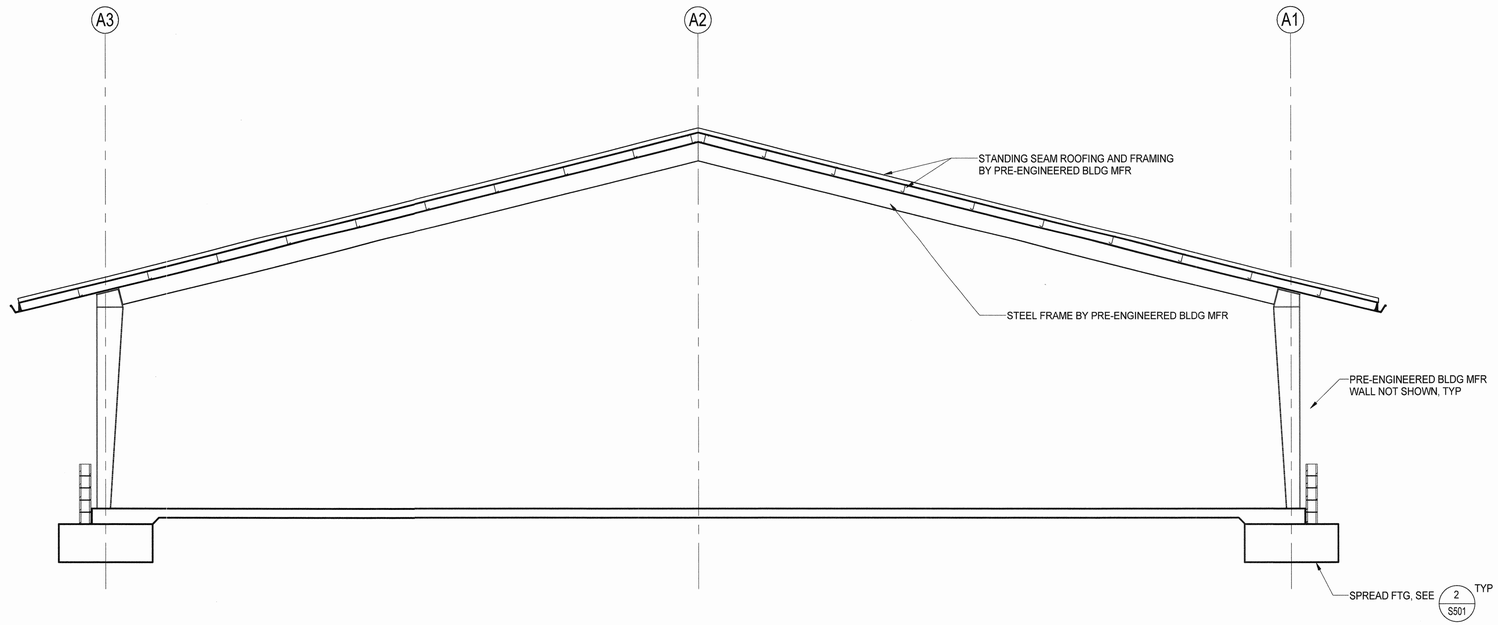
No.	Description	Date

KEY PLAN

A
B - WEST | B - EAST
N

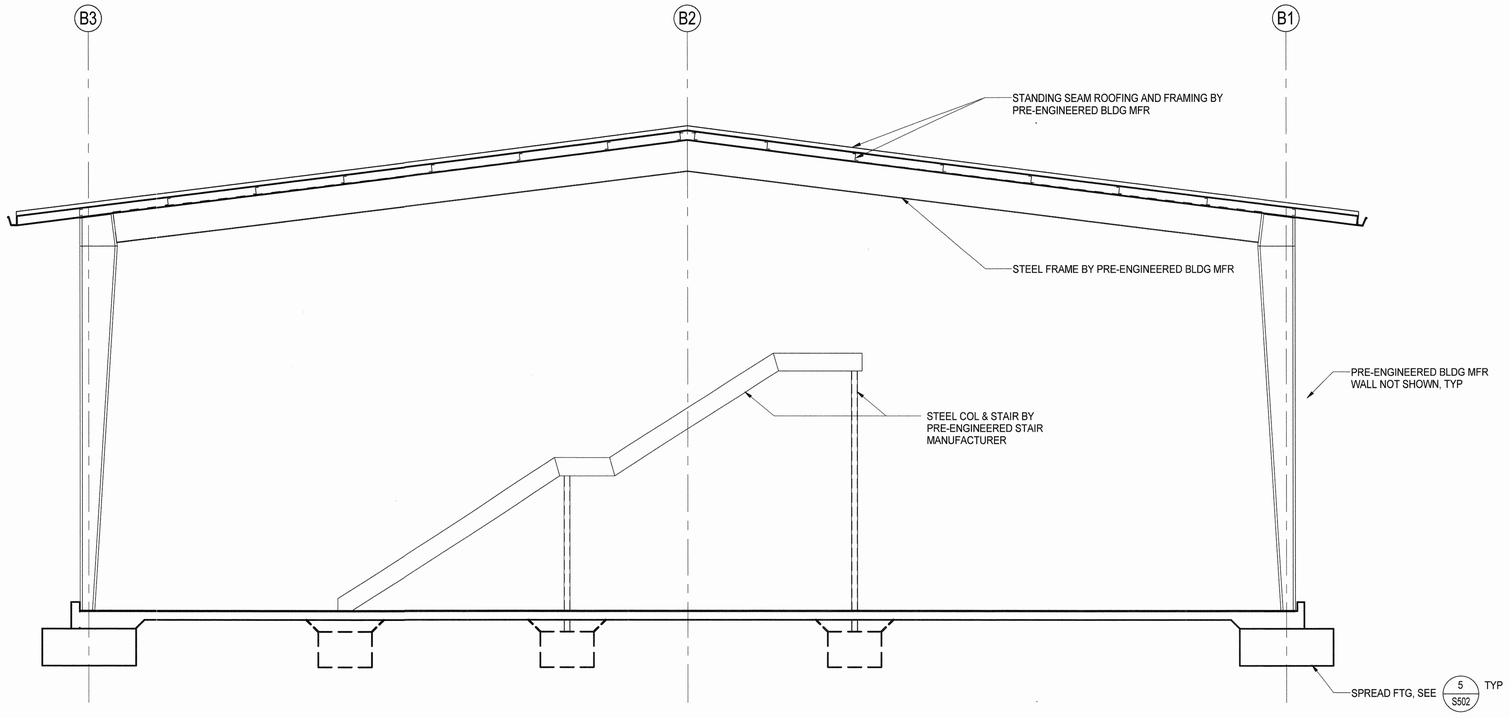
JOB NO.	SHEET
4907A3	S233
DATE 11/9/2016	

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1/— SECTION - BUILDING A
1/4" = 1'-0"

NOTE: REBAR NOT SHOWN FOR CLARITY



2/— SECTION - BUILDING B
1/4" = 1'-0"

NOTE: REBAR NOT SHOWN FOR CLARITY

LAST REVISION: 11/8/2016 12:54:11 PM

KITCHELL
Capital Expenditure Managers
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Suite 500
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REGISTERED PROFESSIONAL ENGINEER
DANNY C. VANG
No.: S6143
Exp.: 12/31/16
STRUCTURAL
STATE OF CALIFORNIA

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2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
STRUCTURAL BUILDING SECTIONS

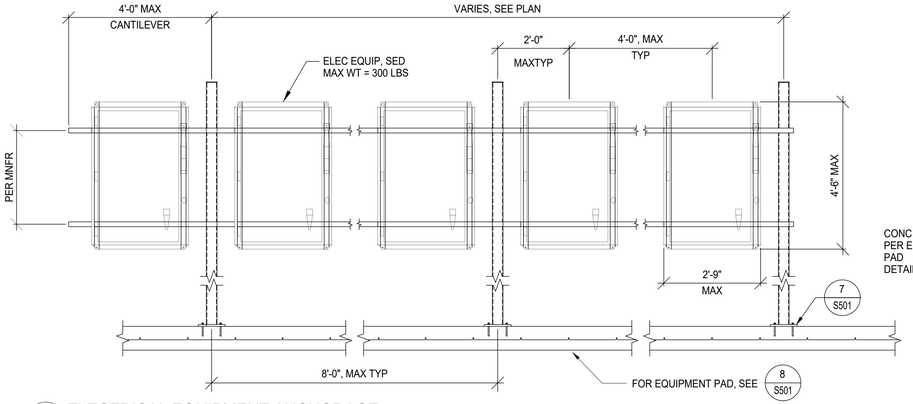
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REVISIONS

No.	Description	Date

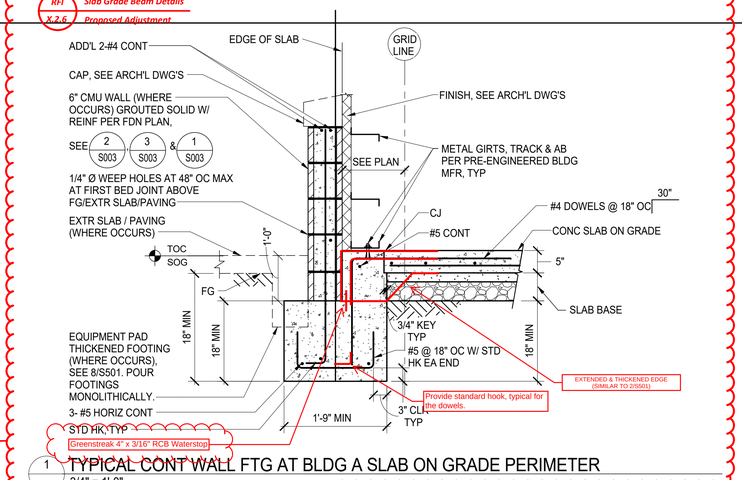
JOB NO.	SHEET
4907A3	S401
DATE 11/9/2016	

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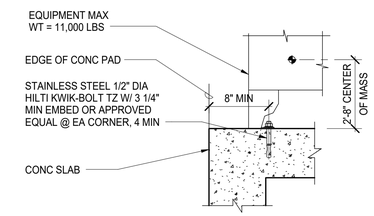
5 — ELECTRICAL EQUIPMENT ANCHORAGE
1/2" = 1'-0"

RFI X.2.6 — Slab Grade Beam Details Proposed Adjustment



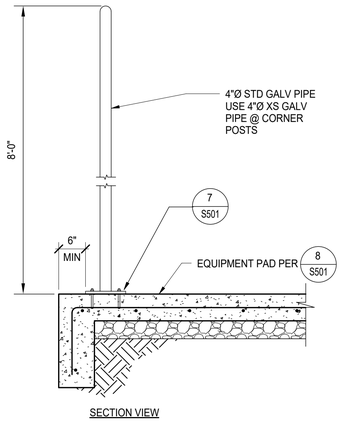
RFI 0072 — PERIMIETER FOOTING WATERSTOP DETAILS 4" WATERSTOP DETAIL

1 — TYPICAL CONT WALL FTG AT BLDG A SLAB ON GRADE PERIMETER
3/4" = 1'-0"

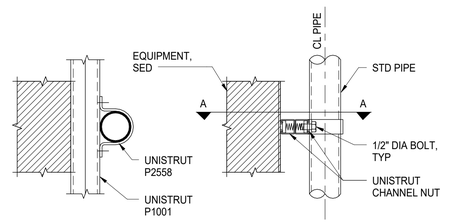


NOTES:
1. MINIMUM UNIT DIMENSIONS: WIDTH = 4'-11", LENGTH = 6'-0".
2. SEE MANUFACTURER SPECIFICATIONS FOR ANCHORING REQUIREMENTS.
3. FOR ANCHORS LARGER THAN SPECIFIED MINIMUM DIAMETER, MINIMUM EMBEDMENT AND BASE MATERIAL SHALL BE COMPLIANT WITH ICC REPORT.
4. EQUIPMENT MOUNTING HOLES 1/16" OVERSIZED MAY BE USED WITHOUT WASHERS. MOUNTING HOLES GREATER THAN 1/16" OVERSIZED (3/16" OVS MAX) REQUIRE 2" SQ WASHER x 1/8" THICK (ID = BOLT DIA + 1/16"). PROVIDE 1/8" FILLET WELD ALL AROUND TO EQUIPMENT MOUNTING PLATE.

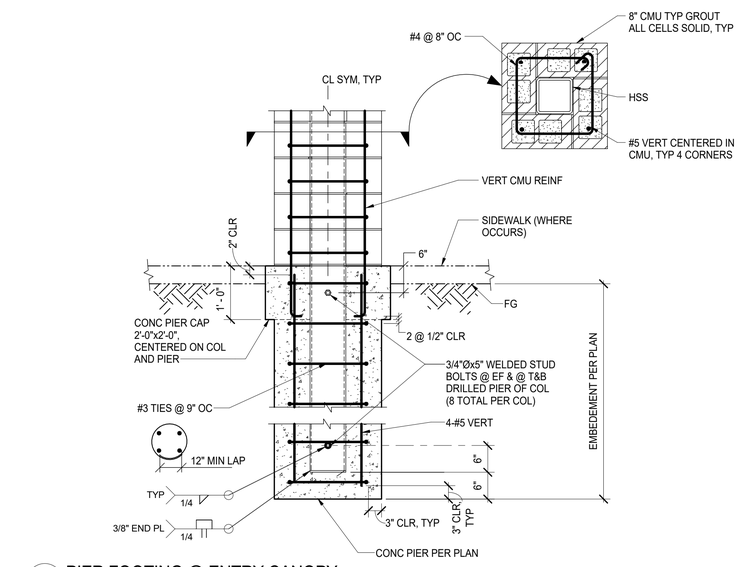
10 — EQUIPMENT ANCHORAGE
NTS



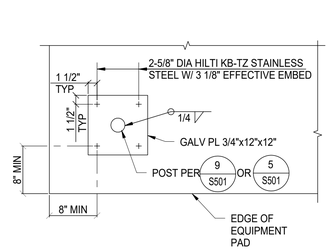
9 — FENCE POST DETAIL
3/4" = 1'-0"



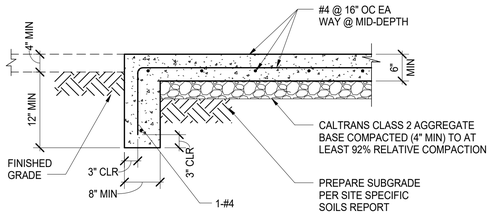
6 — ELECTRICAL EQUIPMENT CONNECTION
1 1/2" = 1'-0"



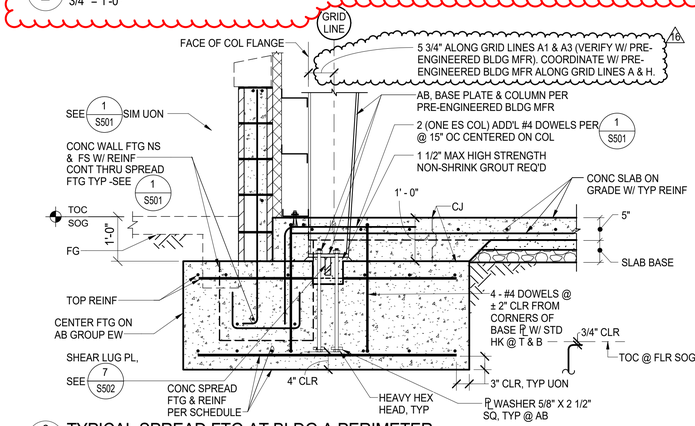
11 — PIER FOOTING @ ENTRY CANOPY
3/4" = 1'-0"



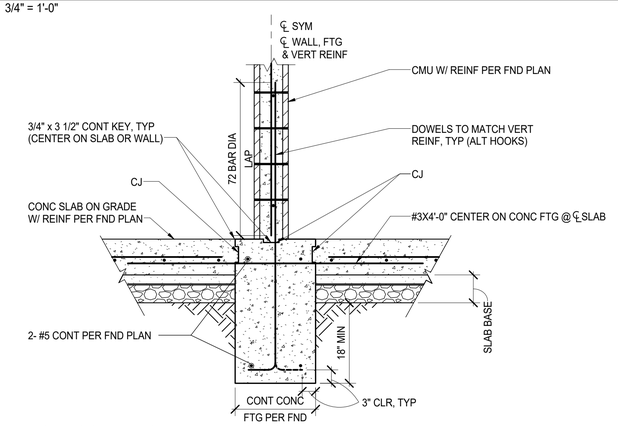
7 — BASE PLATE DETAIL
1" = 1'-0"



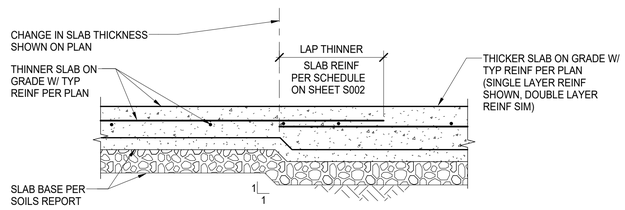
8 — EQUIPMENT PAD DETAIL
3/4" = 1'-0"



2 — TYPICAL SPREAD FTG AT BLDG A PERIMETER
3/4" = 1'-0"



3 — TYPICAL CONT FTG AT INTERIOR CMU WALL
3/4" = 1'-0"



4 — DETAIL CHANGE IN SLAB ON GRADE THICKNESS
1" = 1'-0"

LAST REVISION: 7/25/2017 5:03:32 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
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Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER — DANNY C. VANG — No.: S6143 — Exp.: 12/31/18 — STRUCTURAL — STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533
SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FOUNDATION DETAILS

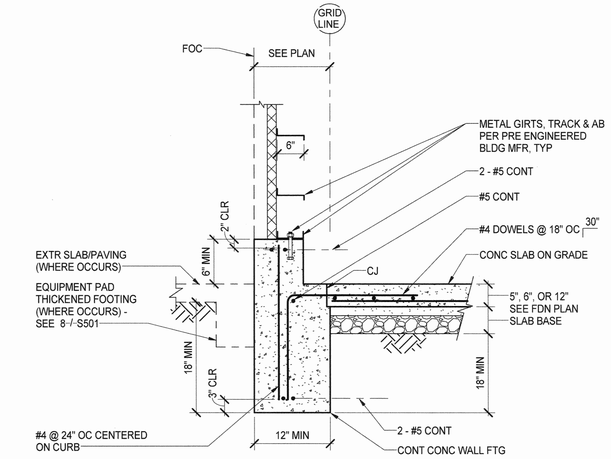
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REVISIONS

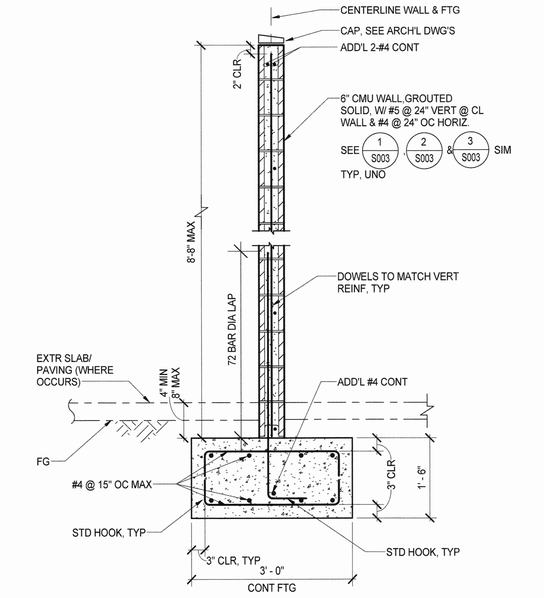
No.	Description	Date
4	ADDENDUM #4	2/24/2017
9	FTG DESIGNED FOR PEMB LOADS	6/16/2017
16	ASI-005	7/25/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET S501

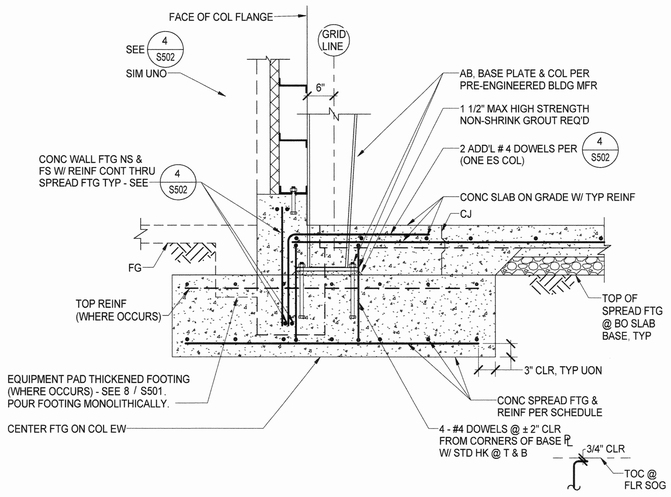
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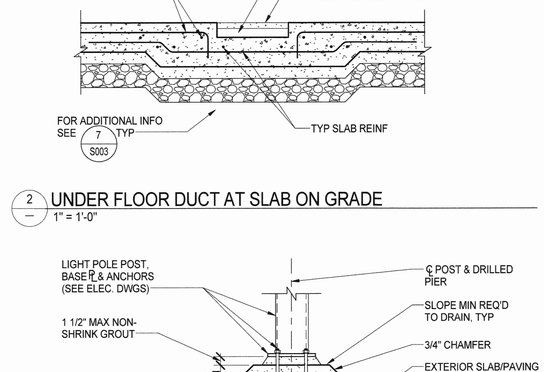
4 — TYP CONT WALL FTG AT SLAB ON GRADE PERIMETER AT BLDG B
3/4" = 1'-0"



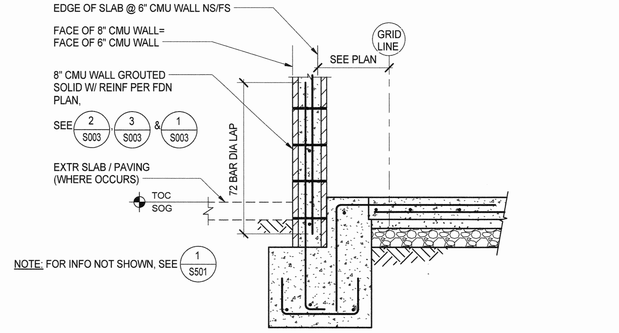
1 — FTG DETAIL - TYPICAL CMU TRASH ENCLOSURE
3/4" = 1'-0"



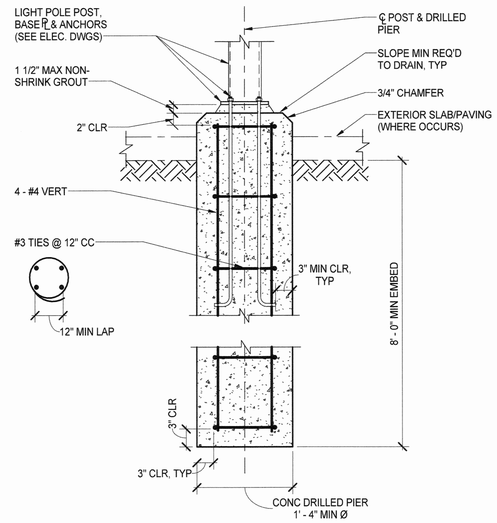
5 — TYPICAL SPREAD FTG AT BLDG B PERIMETER
3/4" = 1'-0"



2 — UNDER FLOOR DUCT AT SLAB ON GRADE
1" = 1'-0"



6 — EXTERIOR CONT CMU WALL FTG AT BLDG A
3/4" = 1'-0"



NOTE: SEE ELECTRICAL DWG'S FOR LOCATION OF LIGHT POLE.

3 — DRILLED PIER FOR LIGHT POLE
1" = 1'-0"

LAST REVISION: 11/8/2016 12:54:16 PM

KITCHELL
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2450 Venture Oaks Way
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(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER — DANNY G. VANG — No.: S6143 — Exp.: 12/31/16 — STRUCTURAL — STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FOUNDATION DETAILS

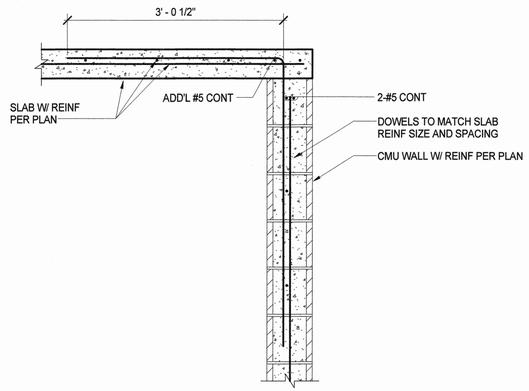
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REVISIONS

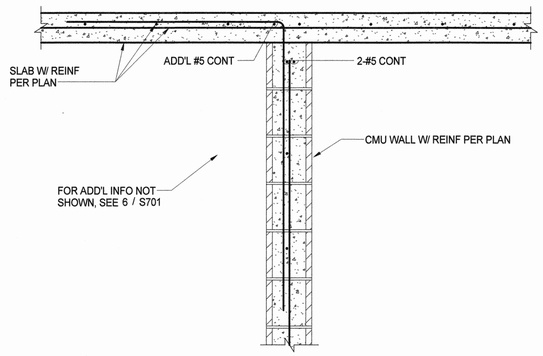
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **S502**

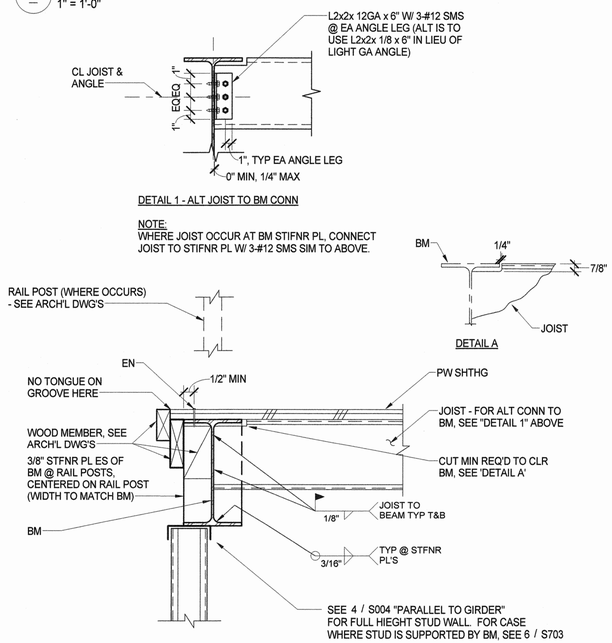
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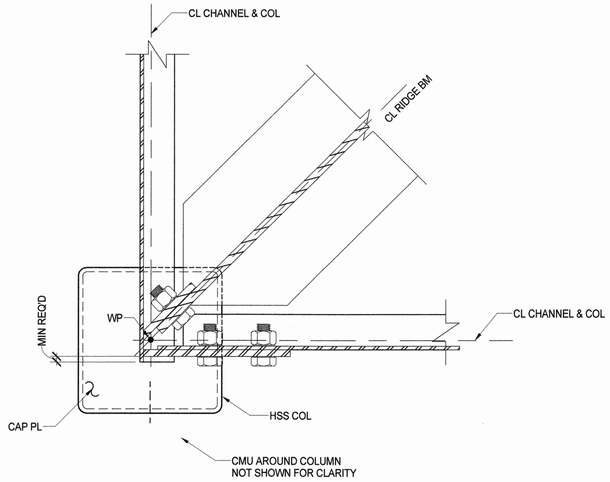
6 — PERIMETER CMU WALL TO CIP CONCRETE SLAB
1" = 1'-0"



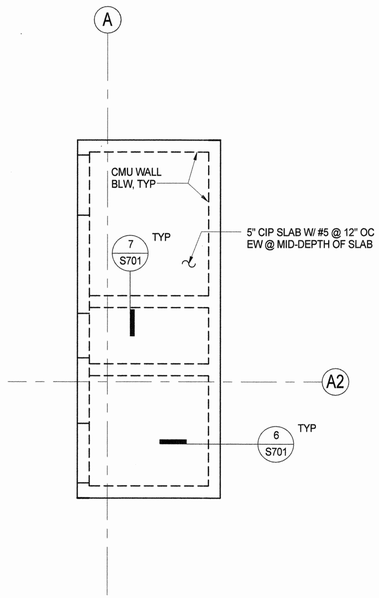
7 — INTERIOR WALL TO CIP CONCRETE SLAB
1" = 1'-0"



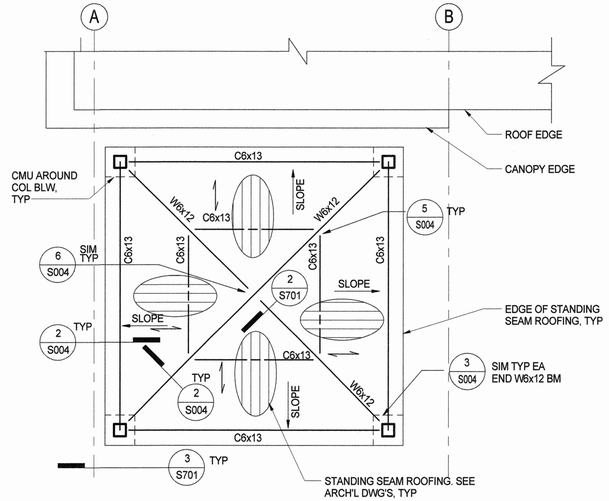
8 — JOIST TO EXTERIOR BEAM AT MEZZANINE
1 1/2" = 1'-0"



4 — PLAN - CHANNEL & BEAM AT COLUMN
3" = 1'-0"



5 — BLDG A - TEMPORARY HOLDING CELL CEILING PLAN
1/4" = 1'-0"

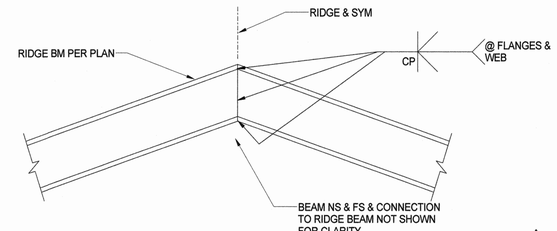


FRAMING PLAN NOTES:

1. SEE ARCH'L DWG'S FOR INFO NOT SHOWN.
2. ⟶ : INDICATES STANDING SEAM ROOFING FLUTES (SPAN) DIRECTION.
3. □ : INDICATES HSS COL. FOR SIZE, SEE 1 / S201.
4. ALL STEEL ROOF FRAMING MEMBERS AND COL'S TO BE GALV.

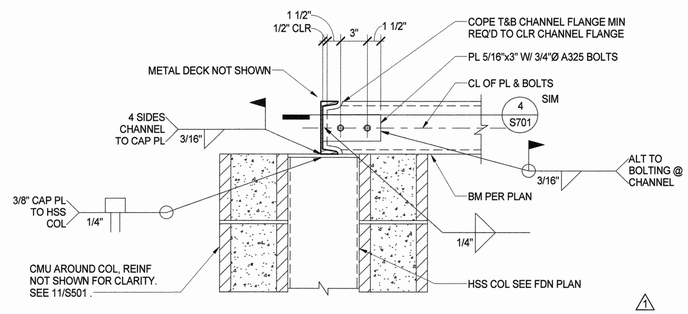
1 — ENTRY CANOPY ROOF FRAMING PLAN
1/4" = 1'-0"

1 ENHANCEMENT #3:
PROVIDE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A



1 ENHANCEMENT #3:
PROVIDE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A

2 — BM CONNECTION AT RIDGE
1 1/2" = 1'-0"



1 ENHANCEMENT #3:
PROVIDE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A

3 — CHANNELS AT COLUMN
1 1/2" = 1'-0"

LAST REVISION: 1/19/2017 4:08:51 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

1 / S201

REGISTERED PROFESSIONAL ENGINEER
DANNY C. VANG
No.: S6143
Exp.: 12/31/16
STRUCTURAL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
STRUCTURAL DETAILS

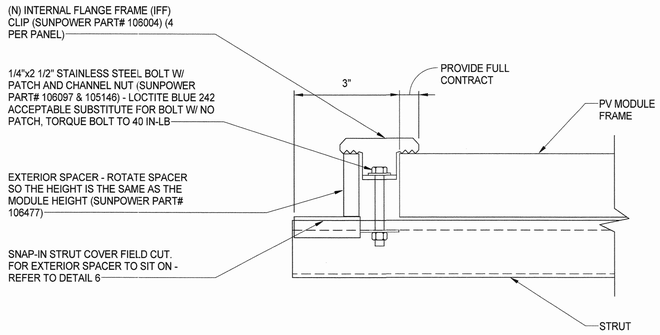
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REVISIONS

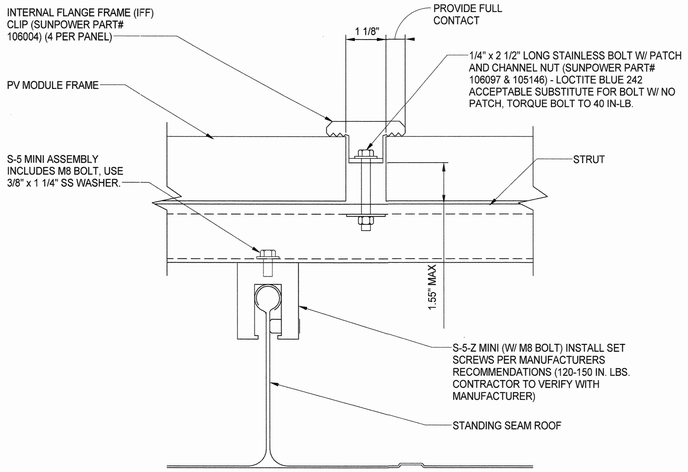
No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET S701

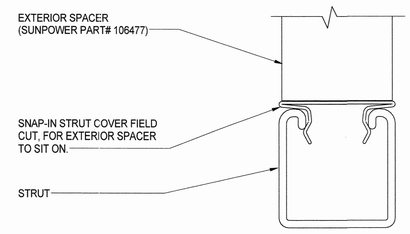
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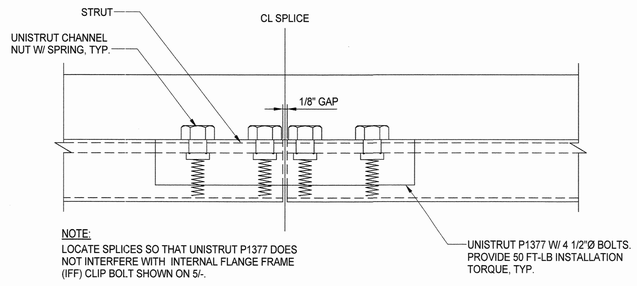
4 — END MODULE TO FRAME ATTACHMENT DETAIL
6" = 1'-0"



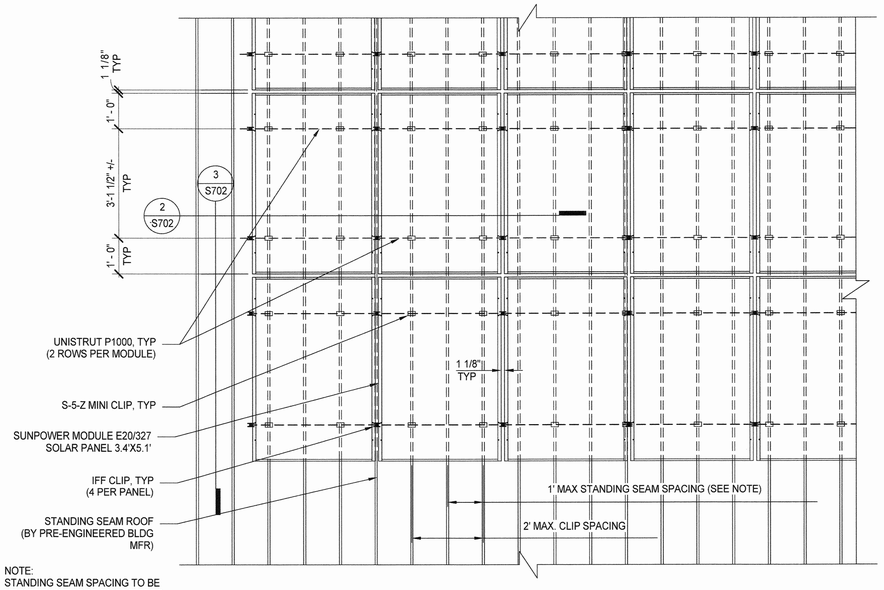
5 — MODULE TO FRAME ATTACHMENT DETAIL
6" = 1'-0"



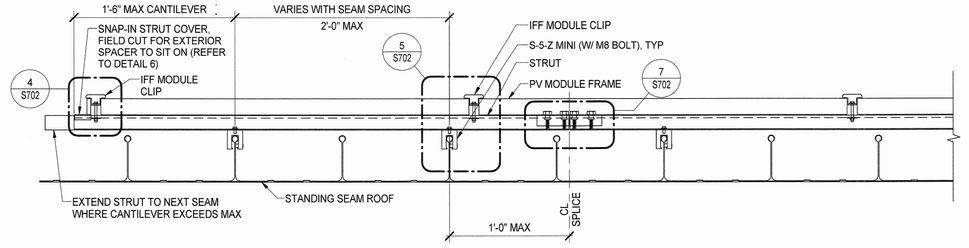
6 — SNAP-IN STRUT COVER DETAIL
12" = 1'-0"



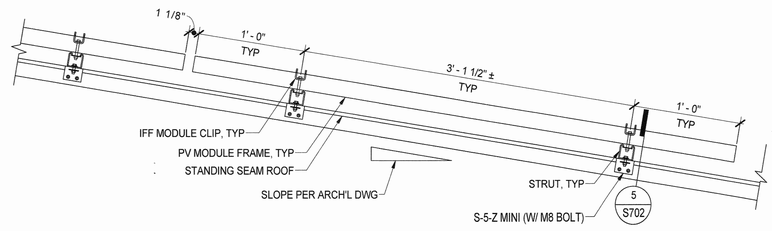
7 — SPLICE DETAIL
6" = 1'-0"



1 — ENLARGED PARTIAL PLAN
1/2" = 1'-0"



2 — MODULE MOUNT/S-5 CLAMP - FRONT VIEW
1 1/2" = 1'-0"



3 — MODULE MOUNT/S-5 CLAMP - SIDE VIEW
1 1/2" = 1'-0"

LAST REVISION: 11/8/2016 12:54:20 PM

KITCHELL
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2450 Venture Oaks Way
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(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER — DANNY C. VANG — No.: S6143 — Exp.: 12/31/16 — STRUCTURAL — STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
SOLAR PANEL DETAILS

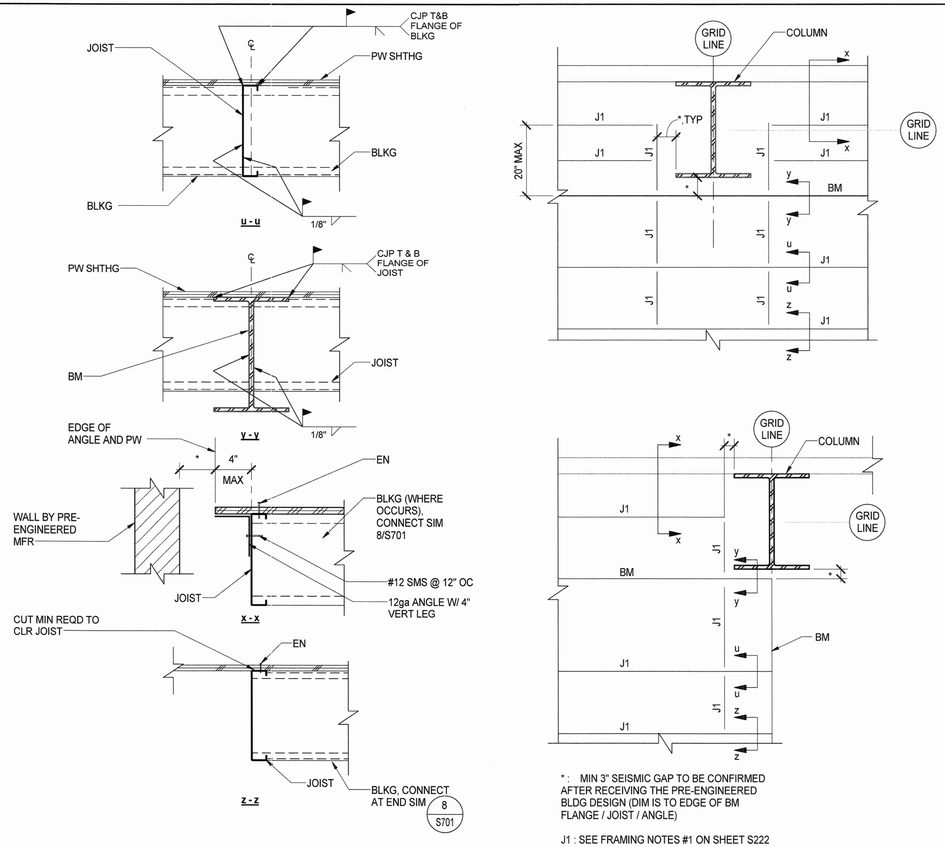
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REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **S702**

C:\BIM\CLAYBANK.VOCED_asalija@kitchell.com.rvt

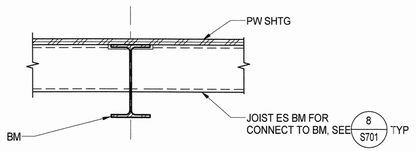


* : MIN 3" SEISMIC GAP TO BE CONFIRMED AFTER RECEIVING THE PRE-ENGINEERED BLDG DESIGN (DIM IS TO EDGE OF BM FLANGE / JOIST / ANGLE)

J1 : SEE FRAMING NOTES #1 ON SHEET S222

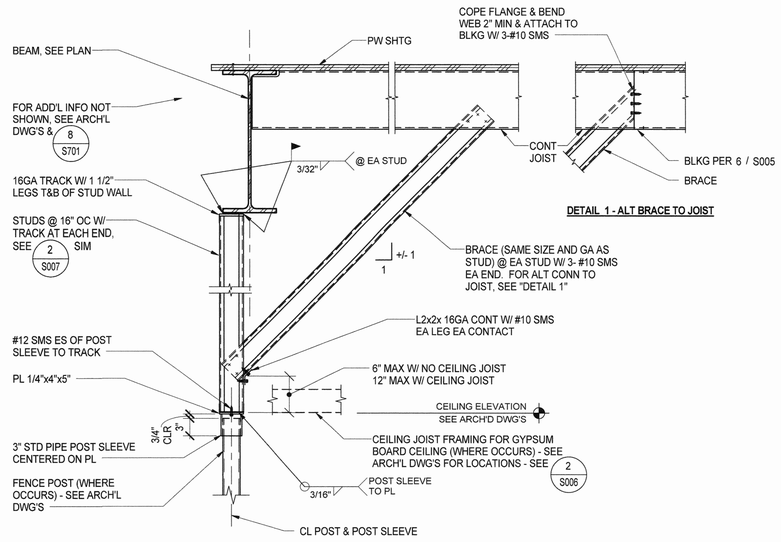
5 — PLAN - MEZZANINE JOISTS ADJACENT TO PRE-ENGINEERED BLDG MFR COLUMNS

1 1/2" = 1'-0"



7 — JOIST TO INTERIOR BEAM AT MEZZANINE

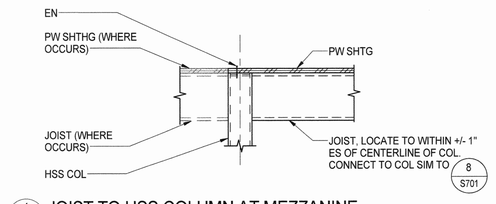
1" = 1'-0"



DETAIL 1 - ALT BRACE TO JOIST

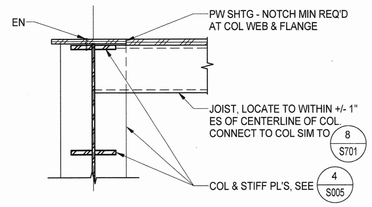
6 — FENCE POST & WALL SUPPORT AT MEZZANINE

1" = 1'-0"



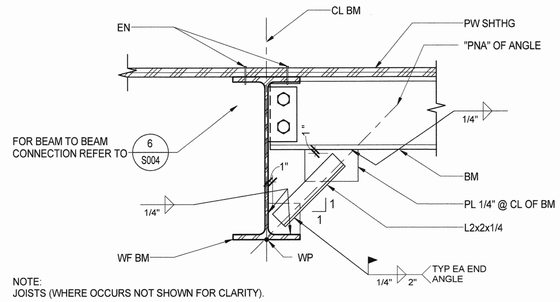
1 — JOIST TO HSS COLUMN AT MEZZANINE

1" = 1'-0"



2 — JOIST TO WF COLUMN AT MEZZANINE

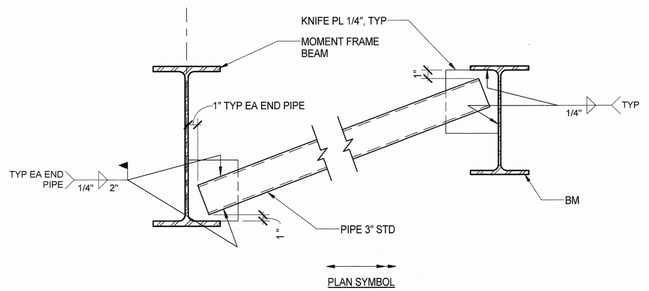
1" = 1'-0"



NOTE:
JOISTS (WHERE OCCURS NOT SHOWN FOR CLARITY).

3 — TYPICAL ANGLE BRACE

1 1/2" = 1'-0"



4 — TYPICAL PIPE BRACE

1 1/2" = 1'-0"

LAST REVISION: 11/8/2016 12:54:21 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

REGISTERED PROFESSIONAL ENGINEER
DANNY C. VANG
No.: S6143
Exp.: 12/31/16
STRUCTURAL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
STRUCTURAL DETAILS

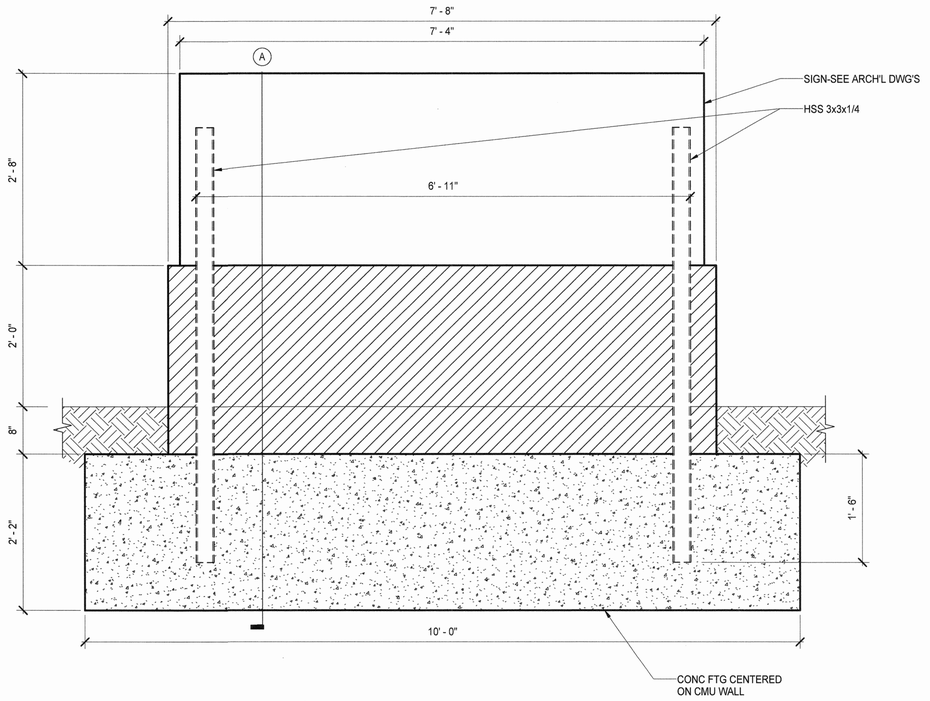
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REVISIONS

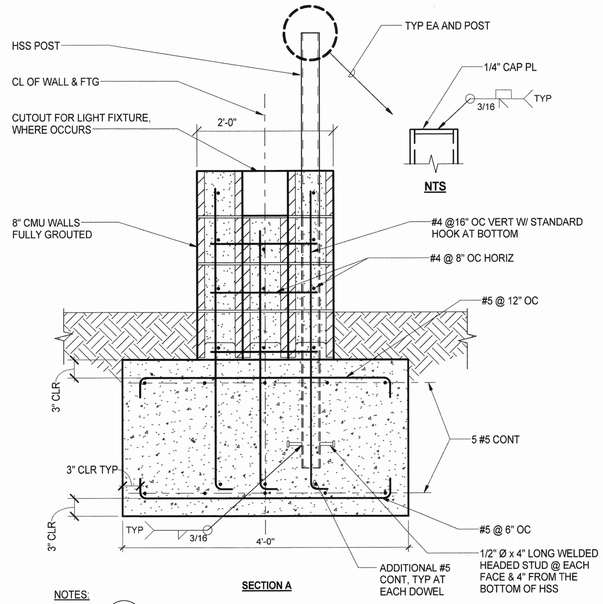
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **S703**

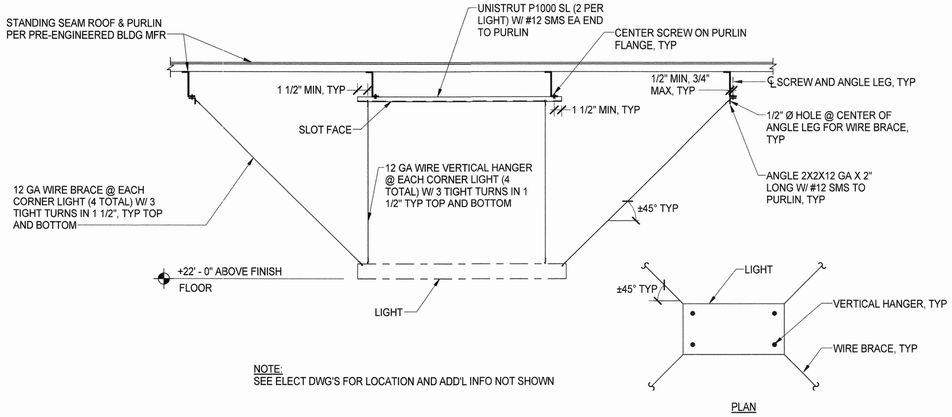
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1 — 1" = 1'-0"
MONUMENTAL SIGNAGE DETAIL

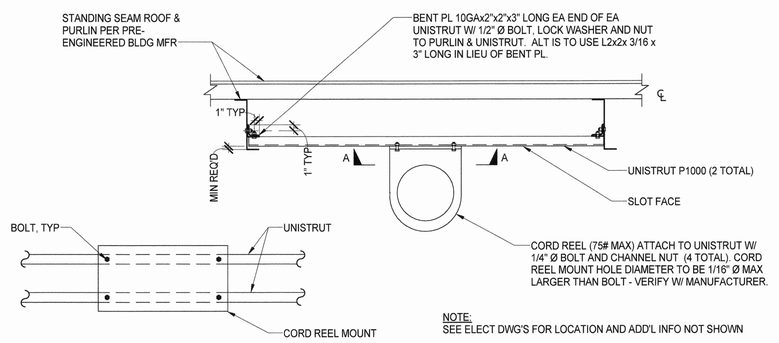


NOTES:
1. REFER TO (1/S003) FOR CORNER BAR DETAILS.
2. SEE ARCH'L DWG'S FOR LOCATION & ADDITIONAL INFO NOT SHOWN.



NOTE:
SEE ELECT DWG'S FOR LOCATION AND ADD'L INFO NOT SHOWN

3 — 1/2" = 1'-0"
LIGHT ATTACHMENT



NOTE:
SEE ELECT DWG'S FOR LOCATION AND ADD'L INFO NOT SHOWN

2 — 1" = 1'-0"
CORD REEL ATTACHMENT

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
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REGISTERED PROFESSIONAL ENGINEER
DANNY C. YANG
No.: S6143
Exp.: 12/31/16
STRUCTURAL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by:

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
STRUCTURAL DETAILS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **S704**

C:\BIM\CLAYBANK VOCED_asalija@kitchell.com.rvt

LAST REVISION: 11/8/2016 12:54:22 PM

ARCHITECTURAL ABBREVIATIONS

SYMBOL	DESCRIPTION
@	AT
A/C	AIR CONDITIONING
A/V	AUDIO/VISUAL
AB	ANCHOR BOLT
ABC	ABOVE CEILING
ABV	ABOVE
AC	ASPHALTIC CONCRETE
ACC	ACCESS
ACC DR	ACCESS DOOR
ACC FL	ACCESS FLOOR
ACC PL	ACCESS PANEL
ACCES	ACCESSORIES
ACOUST	ACOUSTICAL
ACOUST INSUL	ACOUSTICAL INSULATION
AD	AREA DRAIN
AD SEG	ADMINISTRATIVE SEGREGATION
ADD	ADDENDUM/ADDENDA
ADH	ADHESIVE
ADJ	ADJACENT
ADJST	ADJUSTABLE
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
AFS	AUTOMATIC FIRE SPRINKLER
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ANOD	ANODIZED
ASB	ASBESTOS
ASPH	ASPHALT
AT	ASPHALTIC TILE
AVR	AUDIO VISUAL RACK
L	ANGLE/LENGTH
BD	BOARD
BEL	BELOW
BET	BETWEEN
BEV	BEVELED
BG	BUMPER GUARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BP	BENT PLATE
BRDG	BRIDGING
BRG	BEARING
BRNZ	BRONZE
BS	BOTH SIDES
BSMT	BASEMENT
BUR	BUILT-UP ROOF
BW	BOTHWAYS/BARBED WIRE
C FLASH	COUNTER FLASHING
CAB	CABINET
CC	CENTER TO CENTER
CEM	BACKER BOARD
CG	CORNER GUARD
CH	CHANNEL
CH BD	CHALKBOARD
CI	CAST IRON
CIP	CAST IN PLACE
CIR	CIRCLE
CIRC	CIRCUMFERENCE
CJ	CONSTRUCTION JOINT
CL	CENTER LINE/CHAIN LINK
CLF	CHAIN LINK FENCE
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CLS	CLOSURE
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEANOUT
COL	COLUMN
COMB	COMBINATION/COMBINE
COMM	COMMUNICATIONS
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECT/CONNECTION
COREBD	COREBOARD
CORR	CORRUGATED
COTG	CLEANOUT TO GRADE
CP	CHECKERED PLATE
CPT	CARPET
CR	COLD ROLLED
CRG	CROSS GRAIN
CRS	COARSE
CSMT	CASEMENT
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSINK
CU	COPPER
CUST	CUSTODIAN
CW	COLD WATER
CYL	CYLINDER
DA	DISABLED ACCESS
DBL	DOUBLE
DEMO	DEMOLISH/DEMOLITION
DEP	DEPRESSED/DEPRESSION
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DISP	DISPENSER
DIV	DIVISION
DL	DOOR LOUVER
DMT	DEMOUNTABLE
DO	DOOR OPENING
DP	DEEP/DEPTH
DPF	DAMPROOFING
DR	DOOR
DS	DOWNSPOUT
DW	DUMBWAITER
DWG	DRAWING
DWR	DRAWER
(E)	EXISTING
EB	EXPANSION BOLT
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
ELV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENT	ENTRANCE
EP	EDGE OF PAVEMENT
EPNL	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EXPANSION SHIELD
ESC	ESCAPE
EW	EACH WAY
EWC	ELECTRICAL WATER COOLER
EWH	ELECTRICAL WATER HEATER
EXC	EXCAVATE
EXP	EXPANSION
EXP	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM
FAB	FABRICATE
FAS	FASTEN
FB	FLAT BAR
FBD	FIBERBOARD
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FEN	FENCE
FF	FINISHED FLOOR
FF&E	FURNITURE, FIXTURES AND EQUIPMENT
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FGL	FIBERGLASS
FHC	FIRE HOSE CABINET
FHMS	FLAT-HEAD MACHINE SCREW
FHWS	FLAT-HEAD WOOD SCREW
FIN	FINISH
FIXT	FIXTURE
FL CO	FLOOR CLEAN-OUT
FLR	FLOOR/FLOORING
FLSHG	FLASHING
FLUOR	FLUORESCENT
FND	FOUNDATION
FO	FINISH OPENING
FoB	FACE OF BRICK
FoC	FACE OF CONCRETE
FoM	FACE OF MASONRY
FoP	FACE OF PANEL
FoS	FACE OF STUD
FoW	FACE OF WALL
FP	FIREPROOFING
FRG	FURRING
FRP	FIBER GLASS REINFORCED PANELING
FRT	FIRE RETARDANT
FS	FLOOR SINK
FSR	FIRE SPRINKLER RISER
FTG	FOOTING
FURN	FURNITURE
G	GUTTER
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GEN	GENERAL
GI	GALVANIZED IRON
GL	GLASS
GND	GROUND
GR	GRADE
GSF	GROSS SQUARE FEET
GSM	GALVANIZED SHEET METAL
GT	GROUT
GWB	GYPSUM WALL BOARD
HB	HOSE BIBB
HBD	HARDBOARD
HC	HOLLOW CORE/HANDICAP
HD	HEAD/HEAVY DUTY
HDR	HEADER
HDWD	HARDWOOD
HDWR	HARDWARE
HK	HOOK
HMF	HOLLOW METAL FRAME
HORIZ	HORIZONTAL
HP	HORSE POWER
HPT	HIGH POINT
HR	HOSE RACK/HOUR/HANDRAIL
HT	HEIGHT
HTG	HEATING
HVAC	HEATING VENTILATING AIR CONDITIONING
HW	HOT WATER
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
JAN	JANITOR
JST	JOIST
JT	JOINT
KE	KITCHEN EQUIPMENT
KIT	KITCHEN
KO	KNOCKOUT
KP	KICK PLATE
LAD	LADDER
LAM	LAMINATE
LAV	LAVATORY
LB	LAG BOLT/POUND
LBL	LABEL
LH	LEFT HAND
LKR	LOCKER
LONG	LONGITUDINAL
LPT	LOW POINT
LSD	LIQUID SOAP DISPENSER
LT	LIGHT
LVR	LOUVER
MACH	MACHINE
MAINT	MAINTENANCE
MB	MACHINE BOLT
MC	MEDICINE CABINET
MCB	METAL CASING BEAD
MEM	MEMBRANE
MEZZ	MEZZANINE
MF	METAL FLOORING
MFD	METAL FLOOR DECKING
MFR	MANUFACTURER
MH	MANHOLE
MIR	MIRROR
MK	MARK
ML	MATCHLINE
MLDG	MOULDING
MO	MASONRY OPENING
MOV	MOVABLE
MR	MOISTURE RESISTANT
MR	MOP RACK
MRD	METAL ROOF DECK
MS	MACHINE SCREW
MSBG	MILD STEEL BARRIER GRILLE
MSG	MANUFACTURER'S STANDARD GRADE
MT	METAL THRESHOLD
MTD	MOUNTED
MTG	MEETING
MTL	METAL
MU	MASONRY UNIT
MULL	MULLION
MULTI	MULTIPLE
MUNI	MUNICIPAL
MWK	MILLWORK
(N)	NEW
NC	NON-COMBUSTIBLE
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NSG	NON-SECURITY GLASS
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OVERFLOW
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OP H	OPPOSITE HAND
OP S	OPPOSITE SURFACE
OPNG	OPENING
OPP	OPPOSITE
OWJ	OPEN-WEB JOIST
d	PENNY (NAIL SIZE)
PB	PANIC BAR
PBD	PARTICLE BOARD
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCKT(S)	POCKET(S)
PCP	PORTLAND CEMENT PLASTER
PERIM	PERIMETER
PERP	PERPENDICULAR
PFN	PREFINISHED
PG	PLATE GLASS
PL	PLATE
PL, P/L	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POL	POLISHED
PR	PAIR
PREP	PREPARATION
PRF	PREFORMED
PROT	PROTECTED/PROTECTION
PSC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTC	POST-TENSIONED CONCRETE
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PV	PHOTO VOLTAIC
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RADIUS/RISER
RA	RETURN AIR
RAG	RETURN AIR GRILLE
RB	RUBBER BASE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFERENCE
REC	RECESSED
RECEP	RECEPTACLE
REF	REFRIGERATOR
REFL	REFLECTED
REINF	REINFORCED/REINFORCING
REM	REMOVE
RESIL	RESILIENT
REV	REVERSE/REVISION
RH	RIGHT HAND
RH	ROOF HATCH
RHWS	ROUND HEAD WOOD SCREWS
RM	ROOM
RND	ROUND
RO	ROUGH OPENING/ROUGH
ROW	RIGHT OF WAY
RWD	REDWOOD
RWL	RAIN WATER LEADER
S2S	SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SA	SUPPLY AIR
SAN	SANITARY
SC	SOLID CORE/SCALE
SCR	SCREEN
SCUP	SCUPPER
SD	STORM DRAIN
SDS	SELF DRILLING SCREW
SEC	SECURITY
SECT	SECTION
SEG	SEGREGATION
SEP	SEPARATION
SGL	SECURITY GLASS/SINGLE
SH(S)	SHELF/SHELVES
SHM	SECURITY HOLLOW METAL
SHT	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SK	SINK
SLP	SLOPE
SM	SHEET METAL
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPOSAL
SNV	SANITARY NAPKIN VENDOR
SP	SALLY PORT
SS	SANITARY SEWER
SSD	SEE STRUCTURAL DRAWINGS
SSK	SERVICE SINK
SST	STAINLESS STEEL
STAG	STAGGERED
STH	SECURITY TOILET PAPER HOLDER
STIFF	STIFFENER
STOR	STORAGE
SUSP	SUSPENDED
SVC	SERVICE
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TERMINATION BAR
TECH	TECHNICAL
TEMP	TEMPERED
TER	TERRAZZO
THERM	THERMAL
THR	THRESHOLD
TJ	TOOLED JOINT
TK BD	TACKBOARD
TOC	TOP OF CONCRETE/CURB
TOP	TOP OF PAVING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPH	TOILET PAPER HOLDER
TR	TRANSOM
TRANSV	TRANSVERSE
TRBG	TOOL RESISTANT BARRIER GRILLE
TRD	TREAD
TS	TUBE STEEL
TSCD	TOILET SEAT COVER DISPENSER
TV	TELEVISION
UC	UNDERCUT
UL	UNDERWRITER'S LABORATORY
UNIF	UNIFORM
UON	UNLESS OTHERWISE NOTED
UR	URINAL
UTIL	UTILITY
VA	VACUUM ADHERED
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATOR/VENTILATION
VEST	VESTIBULE
VF	VINYL FABRIC
VIF	VERIFY IN FIELD
VJ	V-JOINT
VNR	VENEER
VOL	VOLUME
VTR	VENT THROUGH ROOF
WB	WHEEL BUMPER
WC	WATER CLOSET
WD	WOOD
WD B	WOOD BASE
WDW	WINDOW
WF	WIRE FLANGE BEAM
WG	WIREGLASS
WH	WATER HEATER
WI	WROUGHT IRON
WP	WORKING POINT/WATERPROOF
WR	WATER RESISTANT/WASTE RECEPTACLE
WS	WATERSTOPS
WSCT	WAINSCOT
WTW	WALL TO WALL
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
XE	XENON

ARCHITECTURAL MATERIALS

SYMBOL	DESCRIPTION
	EARTH
	ROCK FILL
	SAND / MORTAR / PLASTER / GROUT
	CAST IN PLACE, PRECAST OR INFILL CONCRETE
	CMU WALL
	STEEL
	WOOD FINISH
	WOOD FRAMING THRU MEMBER
	WOOD FRAMING INTERRUPTED MEMBER
	PLYWOOD
	ACOUSTIC TILE OR BOARD
	GYPSUM BOARD OMIT DOUBLE LINES AT SMALL SCALE
	BATT INSULATION
	RIGID INSULATION
	CERAMIC TILE
	CEMENTITIOUS BACKER BOARD
	GLASS (OMIT LINES AT SMALL SCALE)
	GLASS / PLASTIC (ELEVATION)

ARCHITECTURAL SYMBOLS

DESCRIPTION	SYMBOL
NORTH ARROW	N
MATCH LINE	1 / A101A, 1 / A101B; VIEW NUMBER / SHEET NUMBER; SHADED PORTION IS SIDE CONSIDERED
DATUM HEIGHT	
GRID LINES	0.0, 0.0
BUILDING SECTION	X, XXXX; SECTION IDENTIFIER; SHEET NUMBER
WALL SECTION	X, XXXX; SECTION IDENTIFIER; SHEET NUMBER
DETAIL SECTION	X, XXXX; SECTION IDENTIFIER; SHEET NUMBER
BUILDING ELEVATION	1, 2, 3, 4, XXXX; VIEW NUMBER(S); SHEET NUMBER
INTERIOR ELEVATION	1, 2, 3, 4, XXXX; VIEW NUMBER(S); SHEET NUMBER
INTERIOR EQUIPMENT ELEVATION	1, 2, 3, 4, XXXX; VIEW NUMBER(S); SHEET NUMBER
ROOM TAG	ROOM NAME, 101; ROOM NAME; ROOM NUMBER
VIEW REFERENCE	X, XXXX; VIEW NUMBER; SHEET NUMBER

DESCRIPTION	SYMBOL
INTERNATIONAL SYMBOL OF ACCESSIBILITY	
KEYNOT TAG	12
DOOR TAG	B149 A1
WINDOW TAG	2
WALL TAG	A
EQUIPMENT TAG	C1045802
LIMIT OF WORK	
CHAIN LINK FENCE	
LOUVER TAG	10
INSTALLATION SIDE FOR GLAZING STOPS	
FIRE DEPTARTMENT CONNECTION	
FIRE EXTINGUISHER	SURFACE BRACKET; SURFACE CABINET; SEMI-RECESSED; RECESSED

GENERAL NOTES:

1. DIMENSIONS ARE TO FACE OF CONCRETE OR FACE OF STUD, UNLESS OTHERWISE NOTED.
2. IN THE EVENT THAT CERTAIN DETAILS OF THE CONSTRUCTION ARE NOT FULLY SHOWN OR NOTED IN THESE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AND SIZE AS SIMILAR TO EXISTING CONDITIONS.
3. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS BEFORE COMMENCING WITH ANY WORK
4. ARCHITECTS DOCUMENTS ARE TO CONVEY CONTRACTIBILITY, SCOPE AND INTENT. CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ACCURACY AND IMPLEMENTATION ACCORDING TO STANDARDS OF ABILITY.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERSTANDING ARCHITECTS DOCUMENTS.
6. ALL CONSTRUCTION SAFETY OSHA, STATE COUNTY AND LOCAL REGULATIONS ARE TO BE STRICTLY ENFORCED.
7. CONTRACTOR SHALL COORDINATE ALL UTILITY DISCONNECTS WITH EACH UTILITY AND OWNER'S REPRESENTATIVE
8. THE CONTRACTOR SHALL PROVIDE AN ALTERNATE ACCESSIBLE ROUTE FOR PERSONS WITH DISABILITIES AROUND CONSTRUCTION AREAS, INCLUDING DIRECTIONAL SIGNAGE.
9. CONTRACTOR TO COORDINATE WITH OWNER FOR SECURITY AND VEHICLE TRAFFIC ON SITE TO MINIMIZE INTERUPTIONS TO THE LIBRARY AND PUBLIC UTILIZING THE SITE.
10. CONTRACTOR TO COORDINATE STORAGE AND OFF HAUL OF ANY MATERIAL AT THE SITE WITH OWNER.
11. CONTRACTOR TO VERIFY/CONFIRM WITH OWNER FOR STAGING AND LAY DOWN AREA ON SITE.
12. CONTRACTOR TO SECURE ANY MATERIALS STORED/DELIVERED TO THE SITE AND PROTECT FROM WEATHER ELEMENTS.
13. REFER TO ALL SITE PLANS FOR DEMO SCOPE.

LAST REVISION: 11/8/2016 12:56:11 PM

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ARCHITECTURAL ABBREVIATIONS, SYMBOLS & NOTES

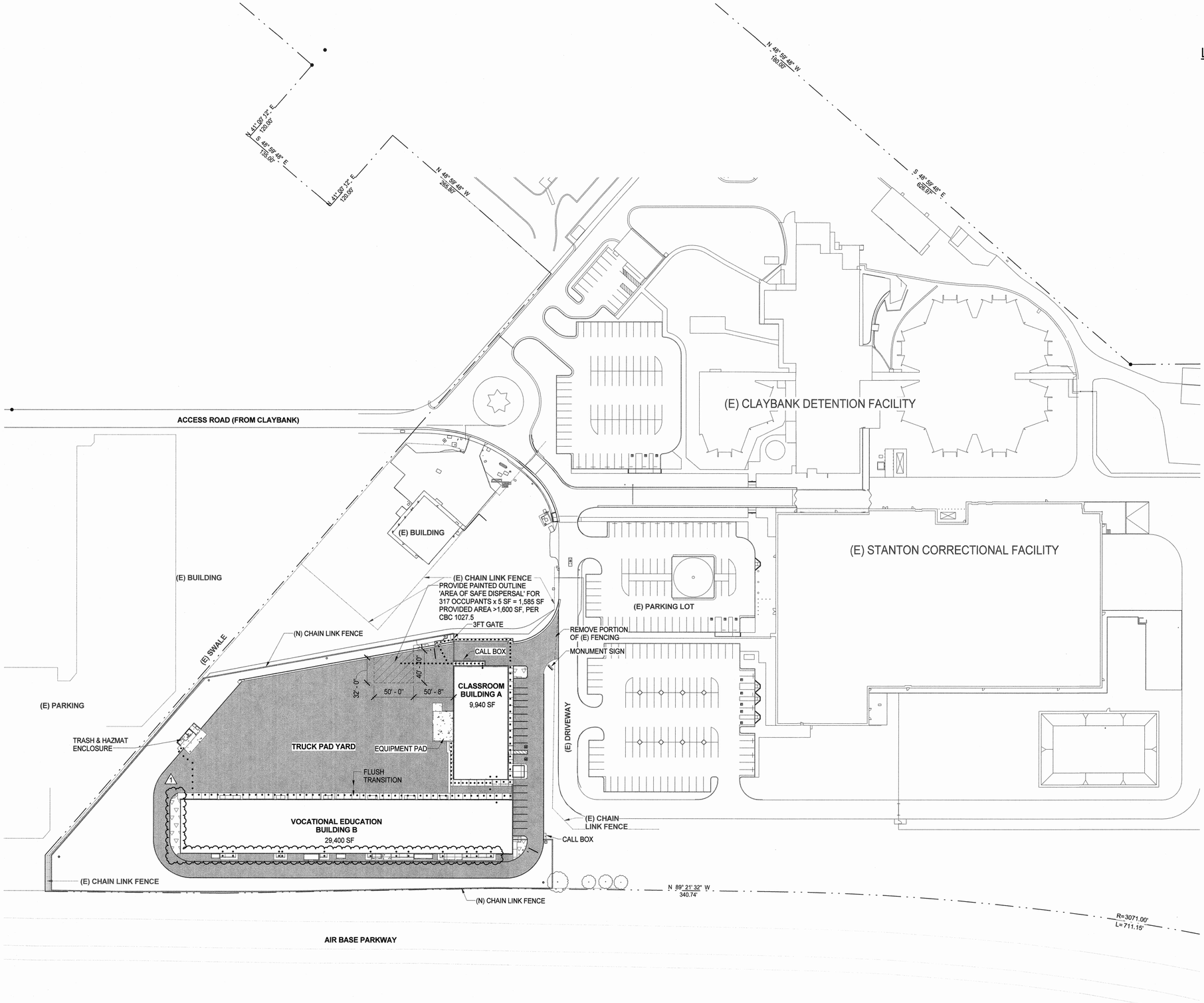
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET A001

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1 OVERALL SITE PLAN
1" = 60'-0"

LAST REVISION: 1/19/2017 4:02:25 PM

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LICENSED ARCHITECT
GORDON W. ROGERS
Exp. 3/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
OVERALL ACCESSIBILITY SITE PLAN

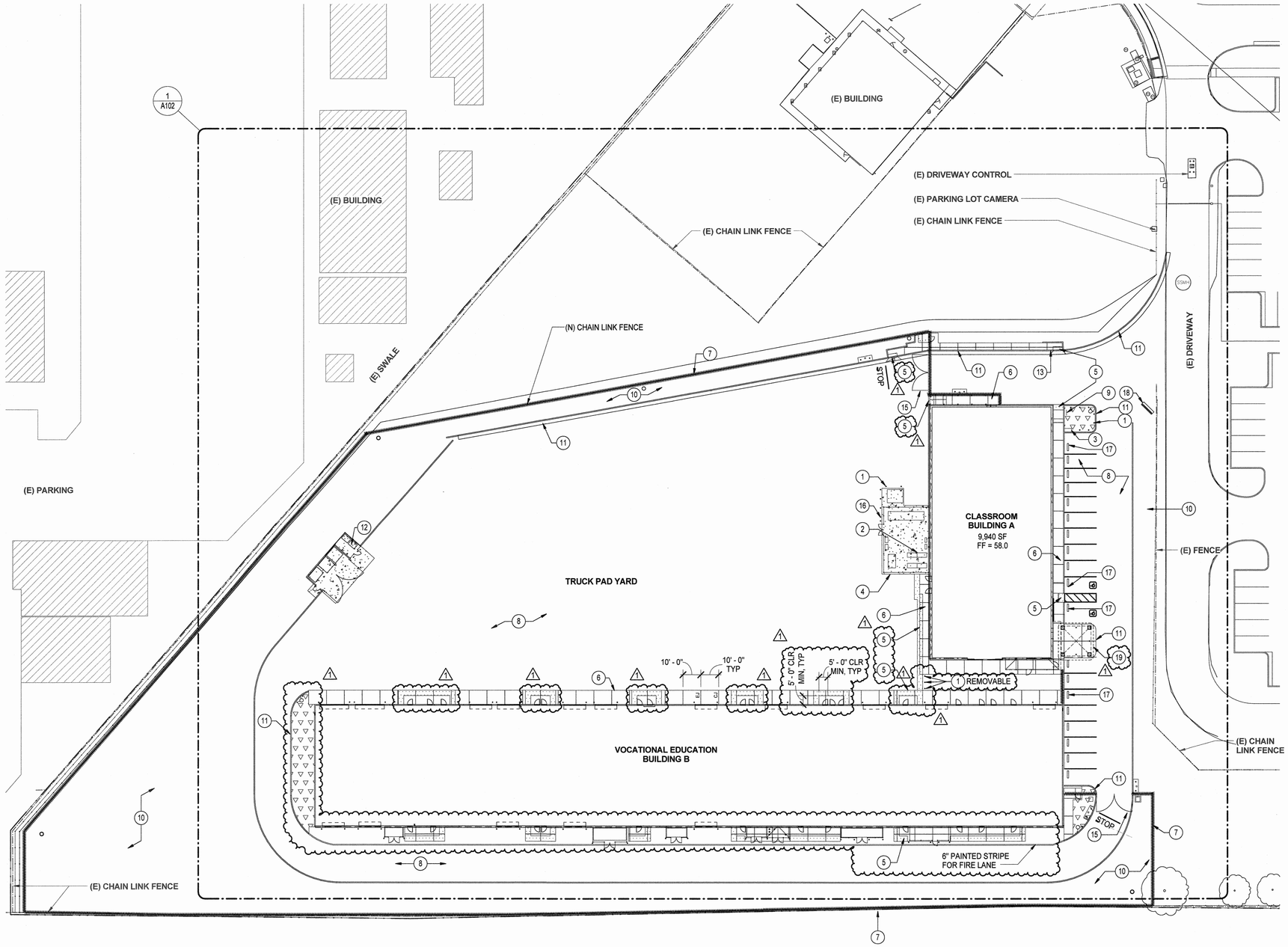
SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A100

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1 SITE ACCESS PLAN
1" = 30'-0"

N

LEGEND:

- ACCESSIBLE PATH OF TRAVEL (POT)
- CONCRETE SIDEWALK WITH CONTROL JOINTS (CJ) & EXPANSION JOINTS (EJ) SEE 2&3/A110., SEE CIVIL FOR ADD'L INFO.
- 10'-0" CHAIN LINK FENCE W/ 2'-0" RAZOR WIRE

KEYNOTES:

1. PROVIDE BOLLARD @ 5' - 0" OC, UNO SEE 9/A110.
2. HVAC CONDENSING UNITS SEE MECHANICAL.
3. ELECTRIC VEHICLE CHARGING SYSTEM.
4. CONC PAD FOR UTILITIES. 1
5. PROVIDE 3' TRUNCATED DOMES, SEE 10/A110.
6. CONCRETE SIDEWALK SEE CIVIL.
7. PROVIDE (N) 10' HIGH FENCE WITH 2' RAZOR WIRE.
8. ASPHALT PAVING SEE CIVIL.
9. ISA DIRECTIONAL SIGNAGE SEE 5/A110.
10. LANDSCAPE AND/OR BIOSWALE TREATMENT AREA, SEE CIVIL.
11. PROVIDE NO PARKING FIRE LANE SIGN ENTIRE LENGTH OF CURB.
12. CONC PAD FOR TRASH ENCLOSURE AND HAZMAT STORAGE.
13. CONC CURB SEE CIVIL.
14. NOT USED.
15. PAIR OF 10' - CHAIN LINK MOTORIZED SWING GATE.
16. 4" DIA BOLLARDS FOR ELECTRICAL LIGHT POLE SEE 9/A110.
17. 4' WHEEL STOP SEE 8/A110.
18. MONUMENT SIGN SEE 3/A805.
19. 1 ENHANCEMENT #3: PROVIDE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A.

GENERAL NOTES:

1. SEE CIVIL DRAWINGS FOR HORIZONTAL CONTROL.

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
SITE ACCESS PLAN

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

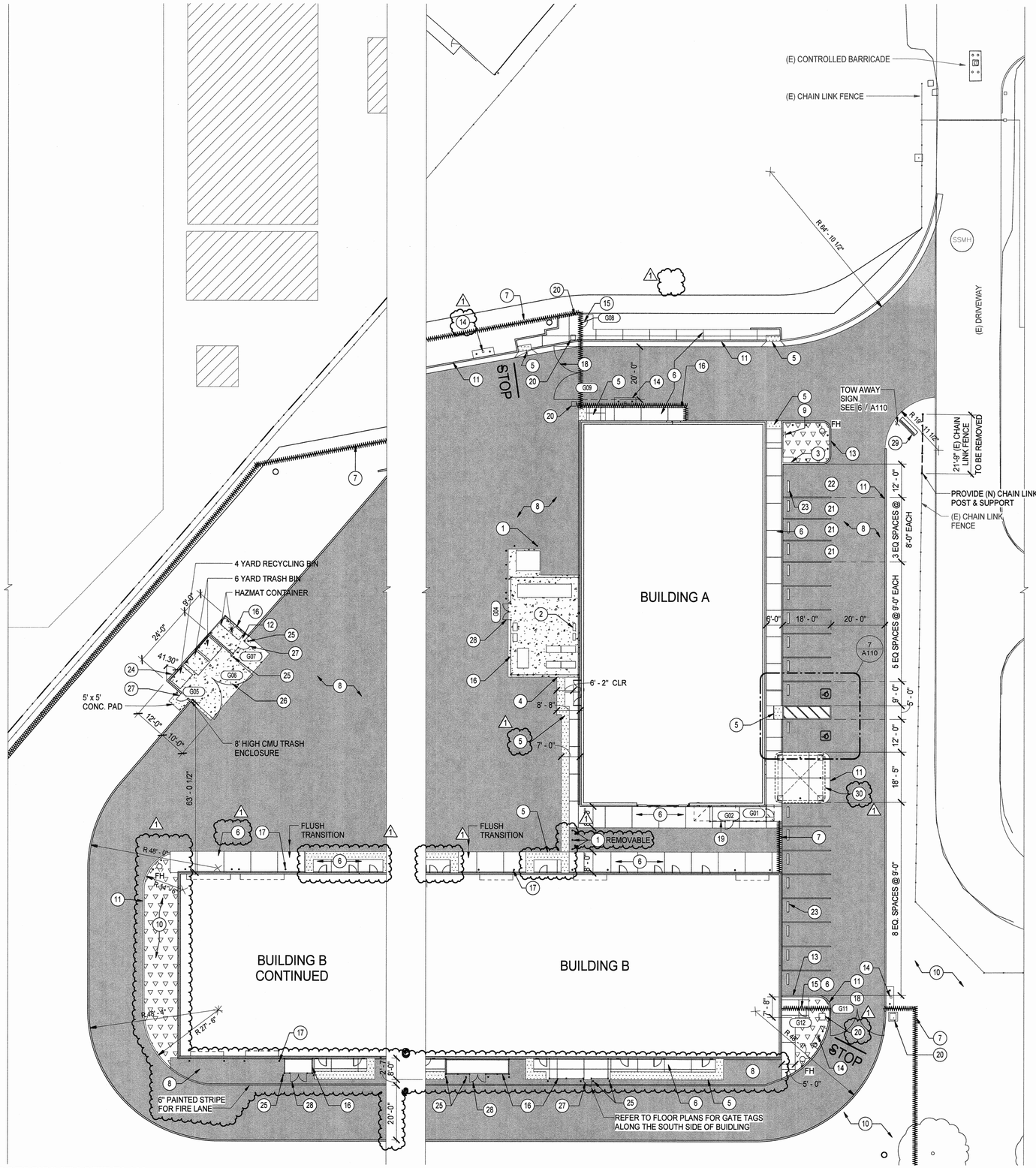
REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2		
3		
4		
5		
6		

JOB NO. 4907A3
DATE 11/9/2016
SHEET A101

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LAST REVISION: 1/19/2017 5:33:51 PM



1 ENLARGED ACCESSIBILITY SITE PLAN
1" = 20'-0"

LEGEND:

- ACCESSIBLE PATH OF TRAVEL (POT)
- CONCRETE SIDEWALK, SEE CIVIL
- ASPHALT PAVING, SEE CIVIL
- BARK, SEE CIVIL
- 10'-0" CHAIN LINK FENCE W/ 2'-0" RAZOR WIRE
- E.J. EXPANSION JOINTS, SEE 3 / A110
- C.J. CONTROL JOINTS, SEE 2 / A110

KEYNOTES:

1. PROVIDE 4" DIA BOLLARD @ 5' - 0" OC, UNO SEE 9/A110.
2. HVAC CONDENSING UNITS SEE MECHANICAL.
3. ELECTRIC VEHICLE CHARGING SYSTEM.
4. CONC PAD FOR UTILITES.
5. PROVIDE 3FT TRUNCATED DOMES SEE 10/A110.
6. CONCRETE SIDEWALK/LANDING SEE CIVIL. 1
7. PROVIDE (N) 10' HIGH FENCE POSTS W/ RAZOR WIRE ON TOP & FOOTINGS PER CIVIL DETAILS TYP.
8. ASPHALT PAVING SEE CIVIL.
9. ISA DIRECTIONAL SIGNAGE W/ ARROW POINTS LEFT SEE 5/A110.
10. LANDSCAPE AND BIOSWALE TREATMENT AREA, SEE CIVIL.
11. PROVIDE NO PARKING FIRE LANE SIGN," CONTINUES AT CONC. CURB
12. CONC PAD FOR TRASH ENCLOSURE AND HAZMAT STORAGE.
13. CONC CURB SEE CIVIL.
14. INTERCOM STATION.
15. 3 FT GATE.
16. 8' HIGH CHAIN LINK FENCE. SEE CIVIL
17. 4" DIA BOLLARD ON OPPOSITE SIDE OF ROLL UP DOOR TYP. PAINT YELLOW. SEE 9/A110.
18. 1 PAIR - 10' MOTORIZED CHAIN LINK SWINGING GATES
19. CHAIN LINK FENCE TO THE BOTTOM OF CANOPY.
20. CONCRETE PAD FOR FENCE MOTOR. (24" x 24")
21. PAVEMENT MARKED "COMPACT"
22. PAVEMENT MARKED "LOW EMITTING & FUEL EFFICIENT VEHICLE"
23. 4' WHEEL STOP. SEE 8 / A110
24. 8' HIGH 6" CMU TRASH ENCLOSURE WALL. SEE 1 / S502
25. PROVIDE 4" DIA. BOLLARD AT EITHER SIDE OF GATE. SEE 9/A110
26. 1 PAIR - 10' MANUAL SWINGING CHAIN LINK GATES. SEE CIVIL
27. 3' MANUAL SWINGING CHAIN LINK GATE. SEE CIVIL
28. 1 PAIR - 3' MANUAL SWINGING CHAIN LINK GATES. SEE CIVIL
29. MONUMENT SIGN PER 3/A805 AND DETAIL 1/S704. 1
30. ENHANCEMENT #3: PROVIDE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A.

GENERAL NOTES:

1. CONTINUOUS JOINTS @ 10'-0" O.C. U.O.N.
2. EXPANSION JOINTS @ 20'-0" O.C. & WHERE SIDEWALK ABUTS BUILDING.

KITCHELL
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LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ENLARGED SITE PLAN

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

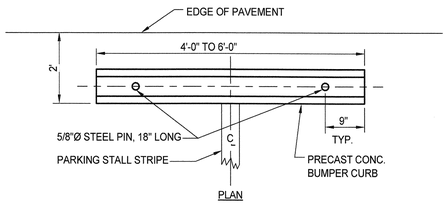
REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A102

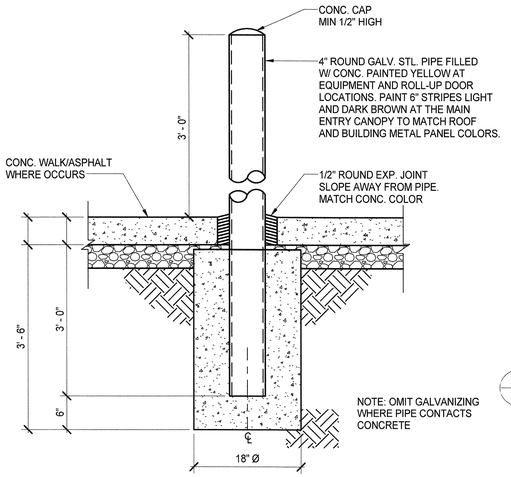
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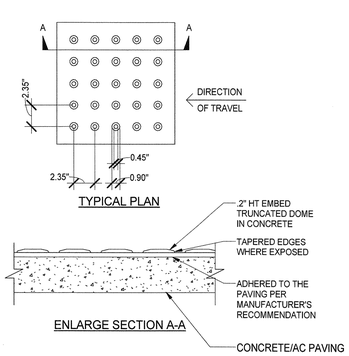


NOTE:
DESIGNER MAY VARY DIMENSIONS TO CONFORM TO STANDARD MANUFACTURED BUMPER

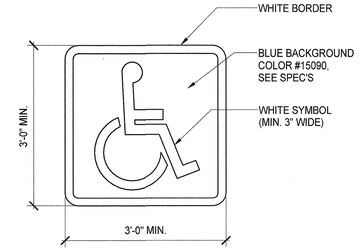
8 WHEEL STOP DETAIL
12" = 1'-0"



9 BOLLARD FOOTING
1" = 1'-0"

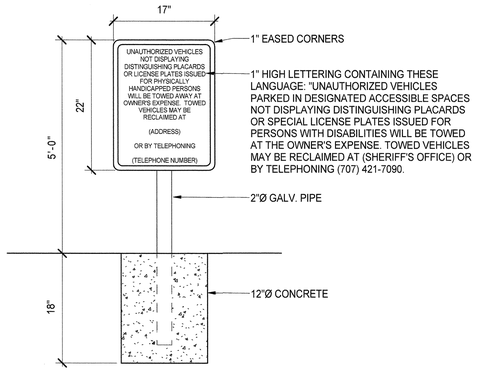


10 TRUNCATED DOMES DETAIL
1 1/2" = 1'-0"

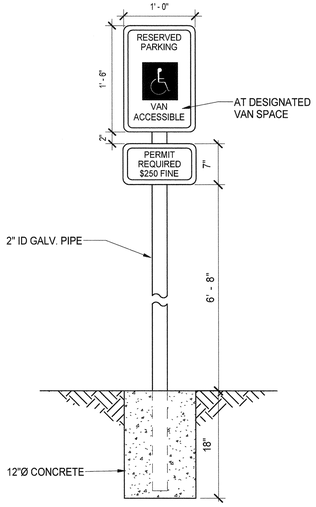


NOTE: REFER TO SITE PLAN FOR TYPICAL PLACEMENT

5 INTERNATIONAL ACCESSIBILITY SIGN
NTS



6 TOW AWAY SIGN
NTS



ALL SIGNS MUST MEET MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES STANDARDS FOR SIGN COLORS, SIZES, AND REFLECTIVITY.

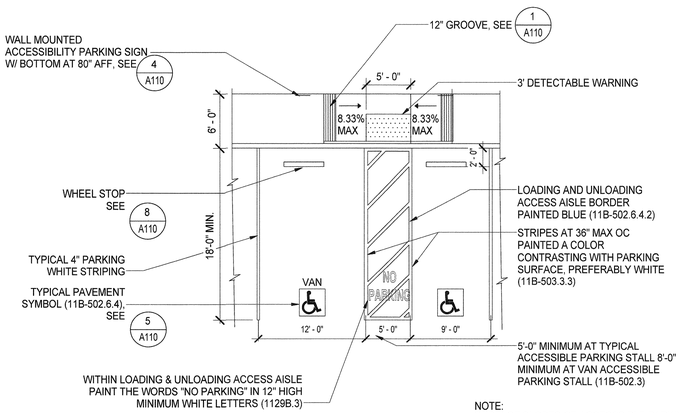
SIGNS MAY BE POST OR WALL MOUNTED.

SIGNS SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

SIGNS SHALL BE LOCATED IMMEDIATELY ADJACENT TO THE DESIGNATED SPACE.

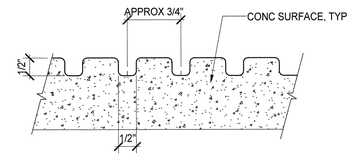
SIGNS SHALL INDICATE THAT A PERMIT IS REQUIRED AND STATE THE PENALTY FOR VIOLATION AS ESTABLISHED IN CALIFORNIA CODES ANNOTATED ($250)

4 TYPICAL PARKING SIGN
NTS

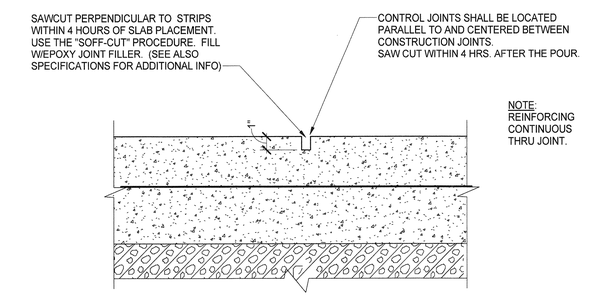


NOTE:
SURFACE SLOPES OF ACCESSSIBLE PARKING SPACES & ACCESS AISLES SHALL BE THE MINIMUM POSSIBLE & SHALL NOT EXCEED ONE UNIT VERTICAL IN 50 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION. (1129B.3-4)

7 TYPICAL ADA PARKING STALL
1/8" = 1'-0"

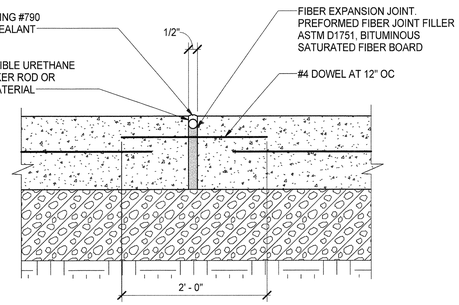


1 GROOVING DETAIL
NTS



NOTE:
REINFORCING CONTINUOUS THRU JOINT.

2 TYPICAL CONTROL JOINTS
3" = 1'-0"



PLACE WHERE NOTED. DO NOT EXTEND CONTINUOUS REINFORCING THROUGH JOINT. COAT ONE END OF DOWEL SO IT WILL SLIDE INTO THE CURED CONCRETE.

3 TYPICAL EXPANSION JOINTS
3" = 1'-0"

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ARCHITECTURAL SITE DETAILS

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

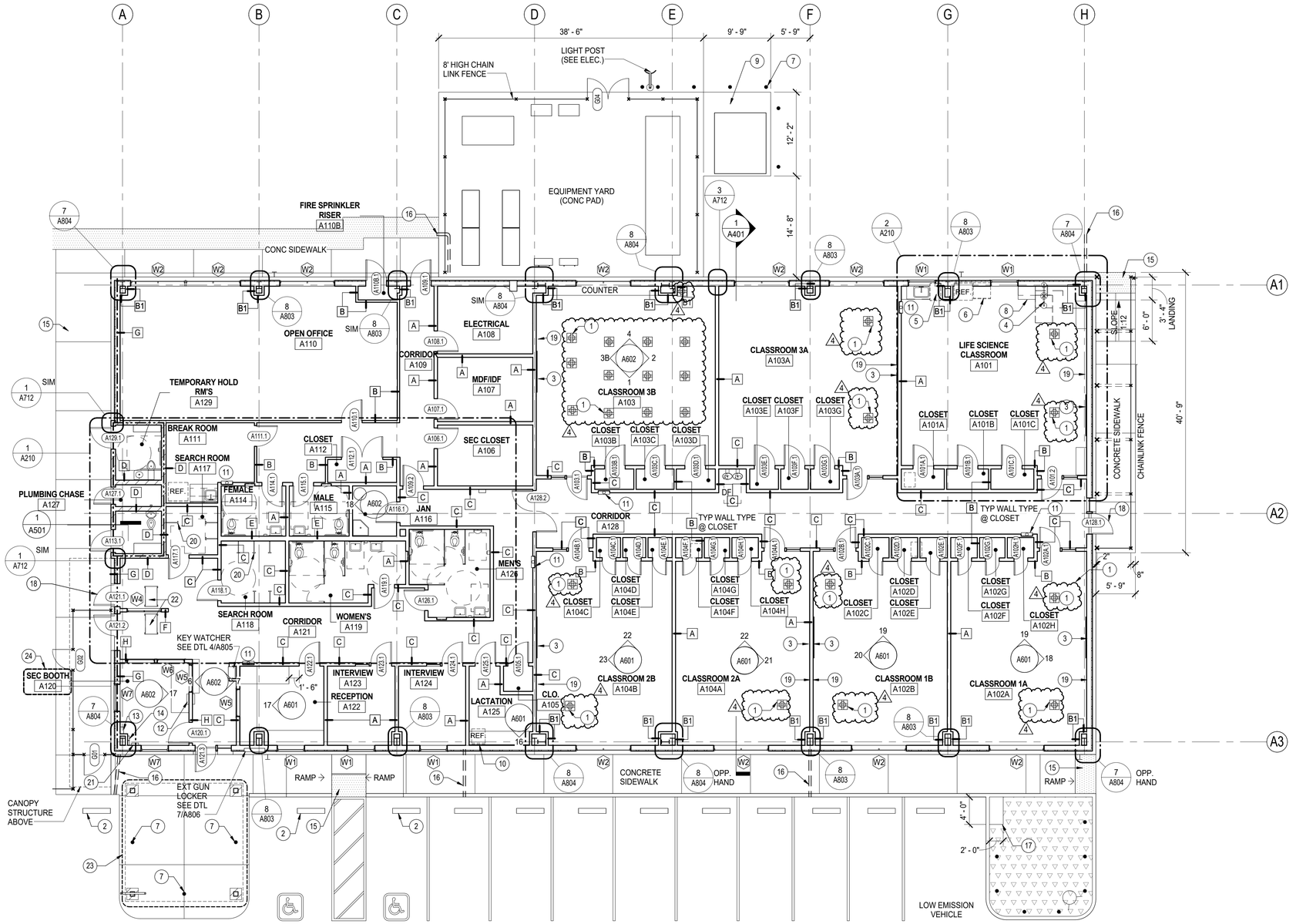
REVISIONS

No.	Description	Date

JOB NO.	SHEET
4907A3	A110
DATE 11/9/2016	

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LAST REVISION: 11/8/2016 12:56:29 PM



1 — FLOOR PLAN - BLDG A
1/8" = 1'-0"

GENERAL NOTES:

1. SEE A711 FOR TYPICAL WALL TYPES
2. SEE A201.1 FOR ROOM DIMENSIONS.
3. PROVIDE 2" DEPRESSED SLAB. SLOPE 2% MAX TO FLOOR DRAIN AT ROOMS A114, A115, A119 AND A126.
4. ALL INTERIOR DOORS SET A MINIMUM OF 3" FROM ADJACENT WALLS.

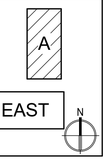
KEYNOTES:

1. PROVIDE A / V POWER FLOOR CONNECTION FOR INSTRUCTOR'S DESK.
2. WHEEL STOP. SEE 8 / A110
3. 6'x4' WHITE BOARD OFCI. SEE 1/A704.
4. HAND & EYE WASH/SHOWER. SEE PLUMB DTL 9/P701.
5. ABOVE COUNTER MOUNTED AUTOCLAVE
6. FUME HOOD W/ STAND.
7. 4" Ø FIXED BOLLARDS. SEE 9/A110.
8. LOCKABLE ACID CONTAINER CABINET.
9. PAD FOR ELECTRICAL EQUIPMENT.
10. UNDER COUNTER REFRIGERATOR
11. SEMI-RECESSED FIRE EXTINGUISHER CABINET
12. ENHANCMENT #5: PASS HOPPER BASIS OF DESIGN; FASCO SECURIY PRODUCTS, PH-700 STAINLESS STEEL FINISH. SEE 6/A806.
13. DEFIBRILLATOR BOX BASIS OF DESIGN; CARDIAC SCIENCE MODEL NO. POWERHEART G5 AED WITH CABINET ENCLOSURE.
14. ACTIVITY CHART HOLDER, ANTHEM MODEL 155H, 12 POCKET. COLOR SELECTED BY OWNER.
15. 3' TRUNCATED DOME
16. CONTINUE RAIN LEADER UNDER SIDEWALK TO FACE OF CURB.
17. CONC PAD FOR VEHICLE CHARGER (SEE ELEC).
18. DOOR EQUIPED W/ PANIC HARDWARE AND DELAYED EGRESS SIGNS. ONE SIGN IN TEXT & ONE SIGN IN BRAILLE READING: "KEEP PUSHING. THIS DOOR WILL OPEN IN 15 SECONDS. ALARM WILL SOUND."
19. 65" LED MONITOR, MOUNT TOP 12" BELOW CEILING. (4)
20. SEARCH ROOM PARTITIONS, BRADLEY SIGHT SCREENS W/SOLID PHENOLIC CORE. COLOR SELECTED BY OWNER
21. WALL MOUNTED FIRST AID KIT, URGENT FIRST AID # URG 3683.
22. ENHANCEMENT #20: METAL DETECTORS BASIS OF DESIGN; GARRETT PD 6500i WITH 32.5" WIDE OPENING
23. ENHANCEMENT #3: PROVIDE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A.
24. ENHANCEMENT #4: PROVIDE BULLET RESISTANT LINER (LEVEL 5) AT SECURITY BOOTH WALLS.

LEGEND:

- FULL HEIGHT WALL (A C)
- PARTIAL HEIGHT WALL (6" ABOVE CEILING) (B)
- COLUMN FURRING (B1)
- 8" CMU WALL, FULL HEIGHT (D)
- FULL HEIGHT PLUMBING WALL (E)
- FULL HEIGHT WALL (F)
- ONE HOUR FIRE RATED EXTERIOR WALL PER G100 (G)
- SECURITY WALL (H)

KEY PLAN



KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
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Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 3/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FLOOR PLAN - BLDG A

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017

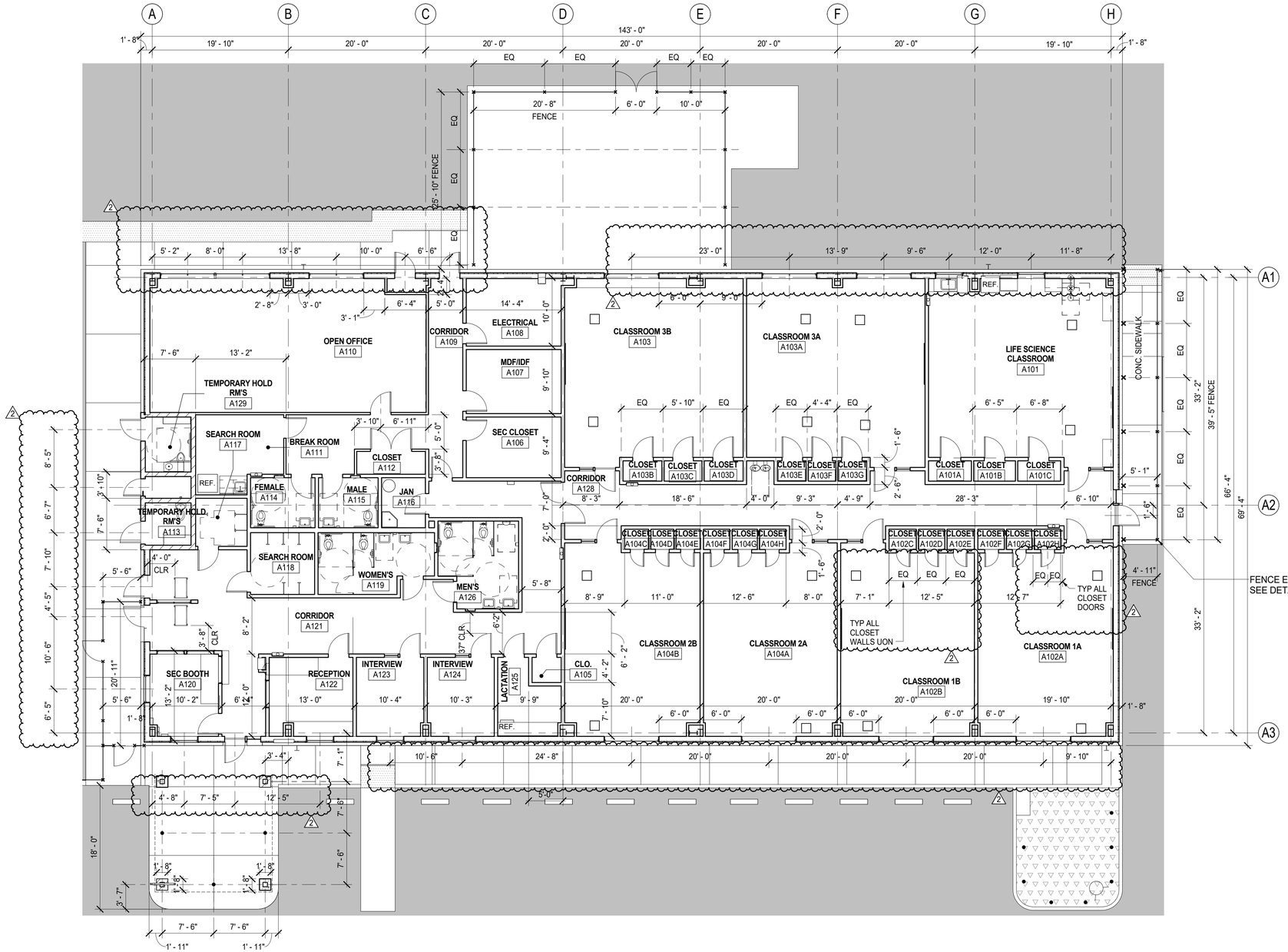
JOB NO. 4907A3
DATE 11/9/2016
SHEET A201

LAST REVISION: 2/23/2017 4:24:35 PM

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GENERAL NOTE:

1. ALL INTERIOR DOORS SET A MINIMUM OF 3" FROM ADJACENT WALLS.



1 DIMENSION PLAN - BLDG A
1/8" = 1'-0"

LAST REVISION: 2/14/2017 12:30:48 PM

KEY PLAN

A

B - WEST | B - EAST

N

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Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 3/31/17 ARCHITECT STATE OF CALIFORNIA

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Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
DIMENSION FLOOR PLAN - BLDG A

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
2	ADDENDUM #2	2/10/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A201.1**

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Addendum 2

GENERAL NOTE:

1. SEE A202.1 FOR DIMENSIONS.

2. SEE A711 FOR TYP WALL TYPES.

3. PROVIDE 2" DEPRESSED SLAB. SLOPE 2% MAX TO FLOOR DRAIN AT ROOMS B147 AND B153.

4. PROVIDE PUSH BUTTON CONTROLS ON THE INTERIOR RIGHT HAND SIDE OF THE ROLL-UP DOORS MAX. 44" AFF.

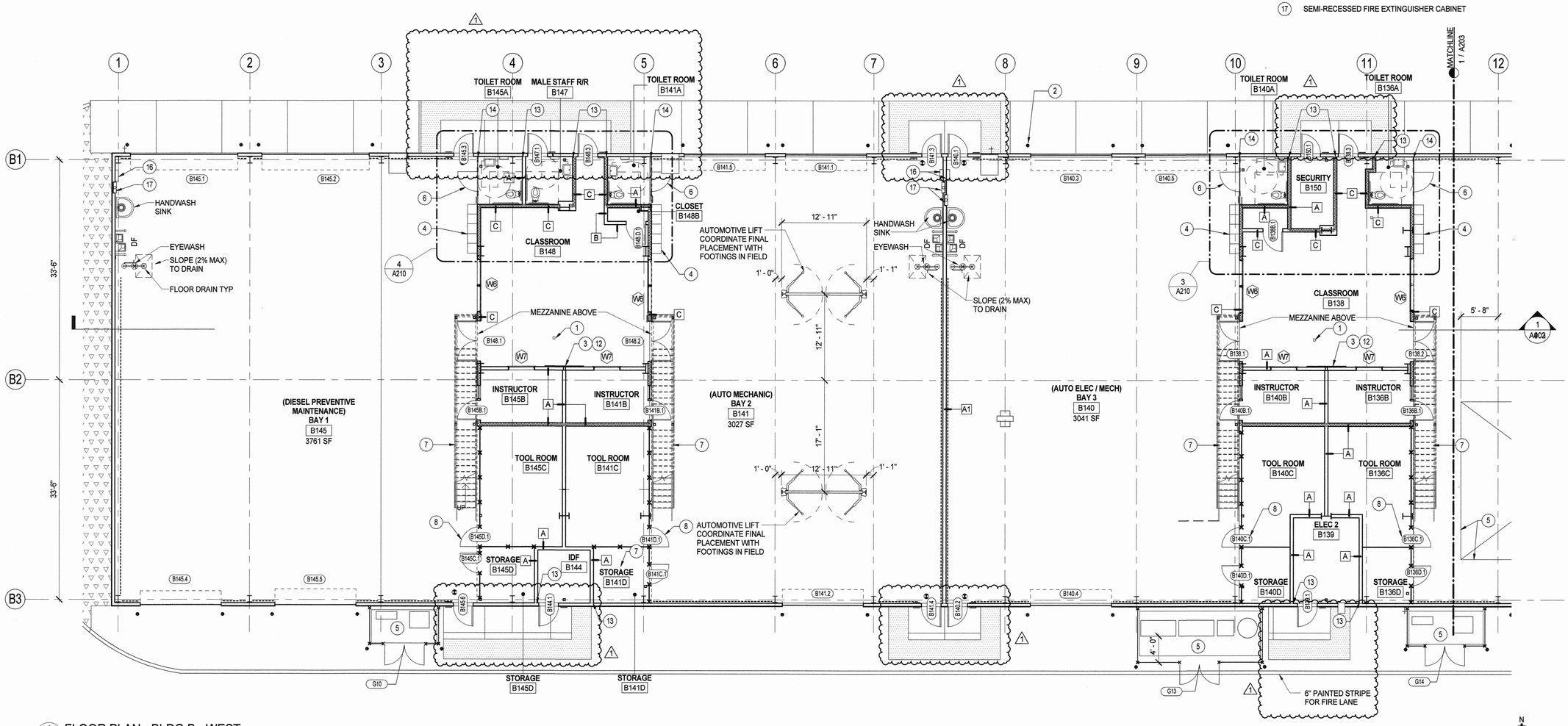
5. HAND & EYE WASH/SHOWER. SEE PLUMB DTL 9/P701.

LEGEND:

- FULL HEIGHT WALL (BATT INSULATION WHERE OCCURS) — A C
- PARTIAL HEIGHT WALL (6" ABOVE CEILING) — B
- 6" FULL HEIGHT WALL — A1
- CHAIN LINK PARTITION TO THE BOTTOM OF THE MEZZANINE
- 3/4" PLYWOOD x 14' HIGH, ATTACHED TO METAL BLDG

KEYNOTES:

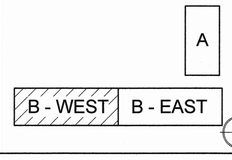
1. PROVIDE A / V / POWER FLOOR CONNECTION FOR INSTRUCTOR'S DESK.
2. 4" Ø FIXED BOLLARD, TYP. SEE 9 / A110
3. 6' x 4' WHITEBOARD OFCI. SEE 1/A704.
4. (20) 18" x 18" METAL STORAGE SHELVING.
5. PROVIDE 1 1/8" DEPRESSED SLAB FOR 1 1/8" PLYWOOD RECESSED SUBFLOOR.
6. 6' HIGH TOILET PARTITION SCREEN.
7. MEZZANINE STAIR ACCESS. DEFERRED APPROVAL ITEM PER G001.
8. CHAIN LINK FENCE TO UNDERSIDE OF STRUCTURE.
9. ROOF HATCH AND ACCESS LADDER.
10. 6' HIGH CHAIN LINK FENCE.
11. FRP PANEL OVER PLYWOOD (SEE INT ELEV 3 / A502FOR EXTENT)
12. 65" LED MONITOR
13. DEFIBRILLATOR BOX BASIS OF DESIGN; CARDIAC SCIENCE MODEL NO. POWERHEART G5 AED WITH CABINET ENCLOSURE.
14. 3" SEISMIC GAP REQUIRED AT INTERSECTING INTERIOR WALL.
15. 3" SEISMIC GAP REQUIRED AT INTERSECTING RESTROOM TOILET PARTITIONS.
16. WALL MOUNTED FIRST AID KIT, URGENT FIRST AID # URG 245.
17. SEMI-RECESSED FIRE EXTINGUISHER CABINET



1 FLOOR PLAN - BLDG B - WEST
1/8" = 1'-0"

LAST REVISION: 1/19/2017 4:02:39 PM

KEY PLAN



KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FLOOR PLAN - BLDG B - WEST

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

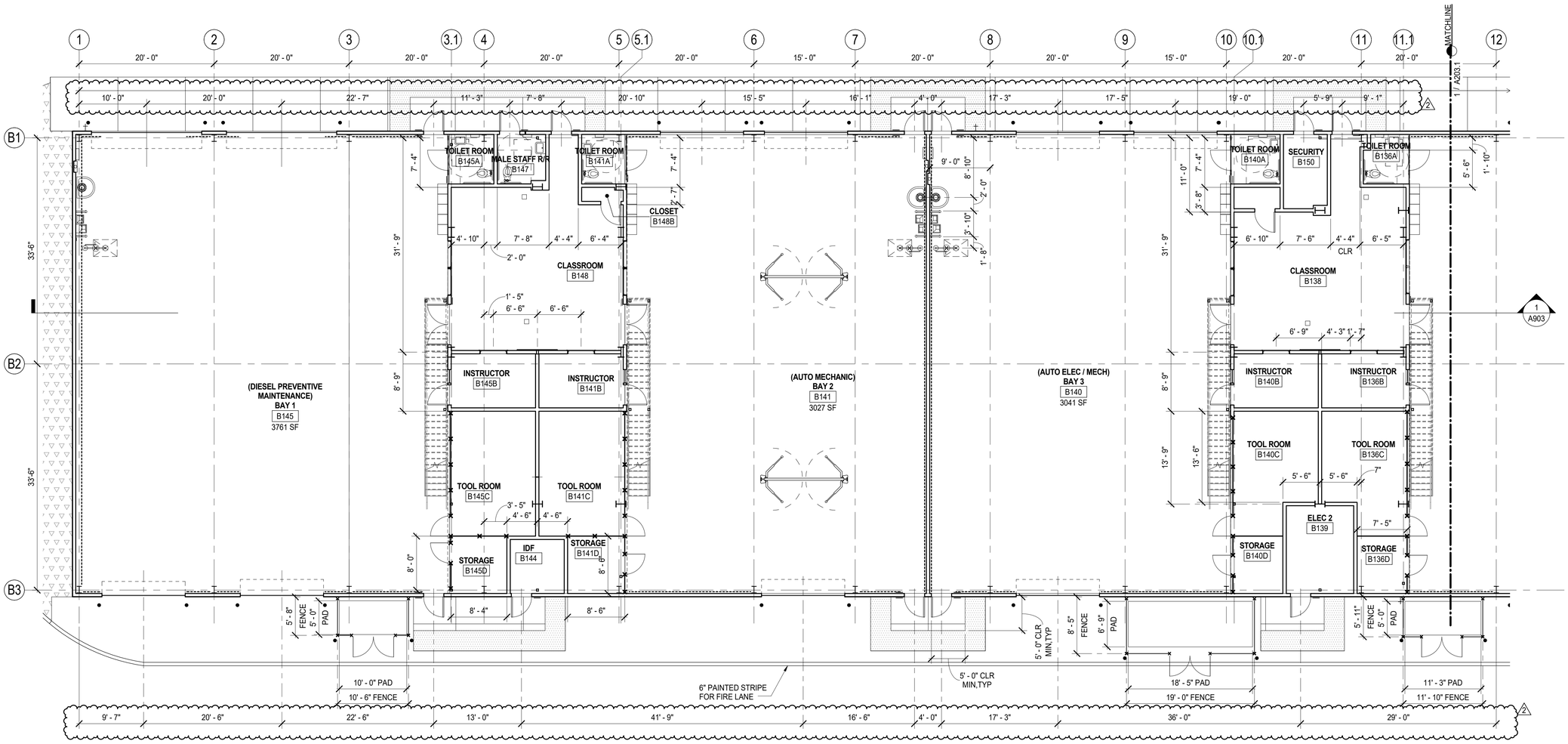
JOB NO. 4907A3
DATE 11/9/2016
SHEET **A202**

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GENERAL NOTE:

1. ALL INTERIOR DOORS SET A MINIMUM OF 3" FROM ADJACENT WALLS.

2



1 DIMENSION PLAN - BLDG B - WEST
1/8" = 1'-0"

N

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 2/14/2017 12:30:50 PM

KITCHELL

Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT
GORDON W. ROGERS
Exp. 3/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: _____

SOLANO COUNTY

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2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
DIMENSION FLOOR PLAN - BLDG B - WEST

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2	ADDENDUM #2	2/10/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A202.1**

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Addendum 2

GENERAL NOTE:

1. SEE A202.1 FOR DIMENSIONS.

2. SEE A711 FOR TYP WALL TYPES.

3. PROVIDE 2" DEPRESSED SLAB. SLOPE 2% MAX TO FLOOR DRAIN AT ROOMS B147 AND B153.

4. PROVIDE PUSH BUTTON CONTROLS ON THE INTERIOR RIGHT HAND SIDE OF THE ROLL-UP DOORS MAX. 44" AFF.

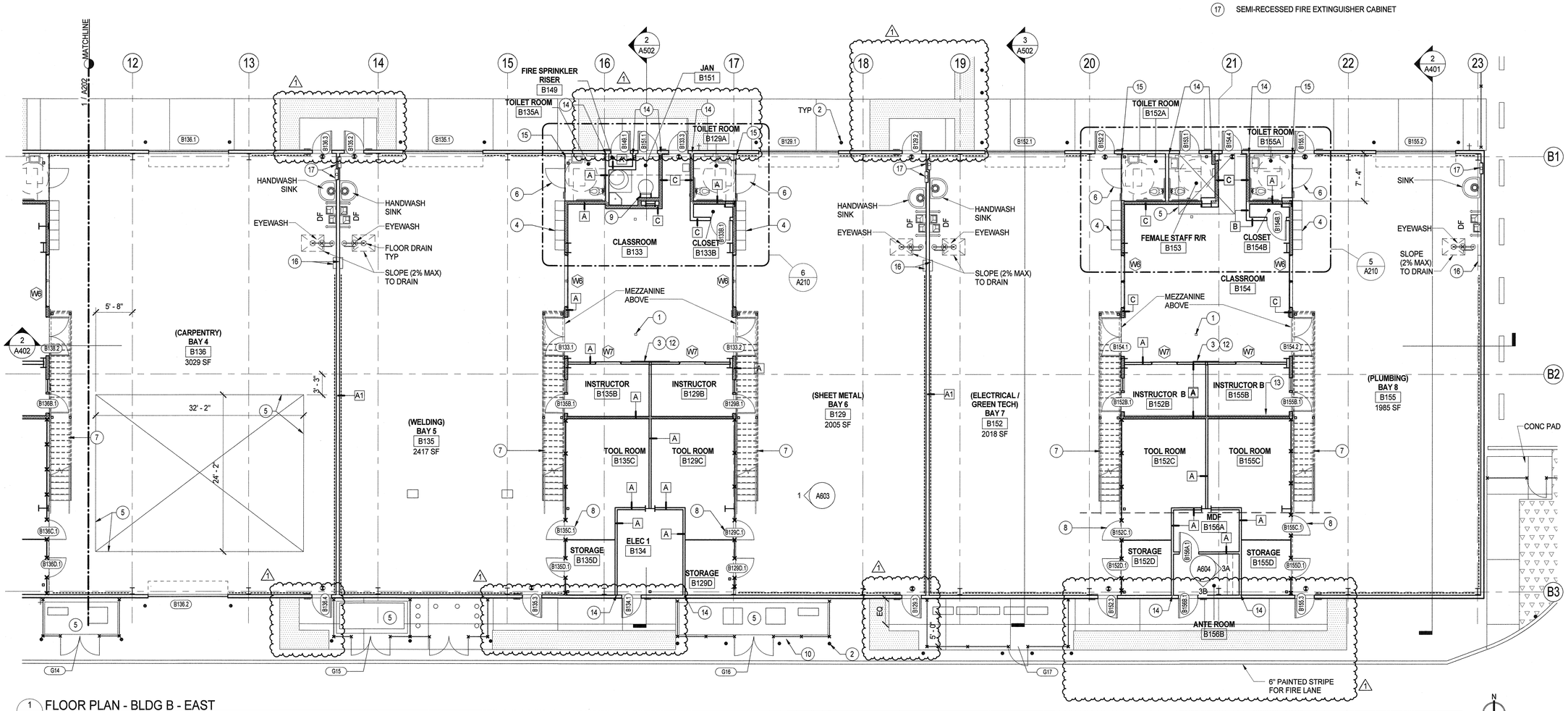
5. HAND & EYE WASH/SHOWER. SEE PLUMB DTL 9/P701.

LEGEND:

- FULL HEIGHT WALL (A C)
- PARTIAL HEIGHT WALL (6" ABOVE CEILING) (B)
- 6" FULL HEIGHT WALL (A1)
- CHAIN LINK PARTITION TO THE BOTTOM OF THE MEZZANINE
- 3/4" PLYWOOD x 14' HIGH,

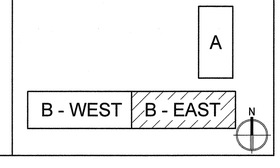
KEYNOTES:

1. PROVIDE A / V / POWER FLOOR CONNECTION FOR INSTRUCTOR'S DESK.
2. 4" Ø FIXED BOLLARD, TYP. SEE 9 / A110 1
3. 6' x 4' WHITEBOARD OFCI. SEE 1/A704.
4. (20) 18" x 18" METAL STORAGE SHELVING.
5. PROVIDE 1 1/8" DEPRESSED SLAB FOR 1 1/8" PLYWOOD RECESSED SUBFLOOR.
6. 6' HIGH TOILET PARTITION SCREEN.
7. MEZZANINE STAIR ACCESS. DEFERRED APPROVAL ITEM PER G001.
8. CHAIN LINK FENCE TO UNDERSIDE OF STRUCTURE.
9. ROOF HATCH AND ACCESS LADDER.
10. 6' HIGH CHAIN LINK FENCE.
11. FRP PANEL OVER PLYWOOD (SEE INT ELEV 3 / A502FOR EXTENT)
12. 65" LED MONITOR
13. DEFIBRILLATOR BOX BASIS OF DESIGN; CARDIAC SCIENCE MODEL NO. POWERHEART G5 AED WITH CABINET ENCLOSURE.
14. 3" SEISMIC GAP REQUIRED AT INTERSECTING INTERIOR WALL.
15. 3" SEISMIC GAP REQUIRED AT INTERSECTING RESTROOM TOILET PARTITIONS.
16. WALL MOUNTED FIRST AID KIT, URGENT FIRST AID # URG 245.
17. SEMI-RECESSED FIRE EXTINGUISHER CABINET



1 FLOOR PLAN - BLDG B - EAST
1/8" = 1'-0"

KEY PLAN



KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: GWR 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FLOOR PLAN - BLDG B - EAST

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

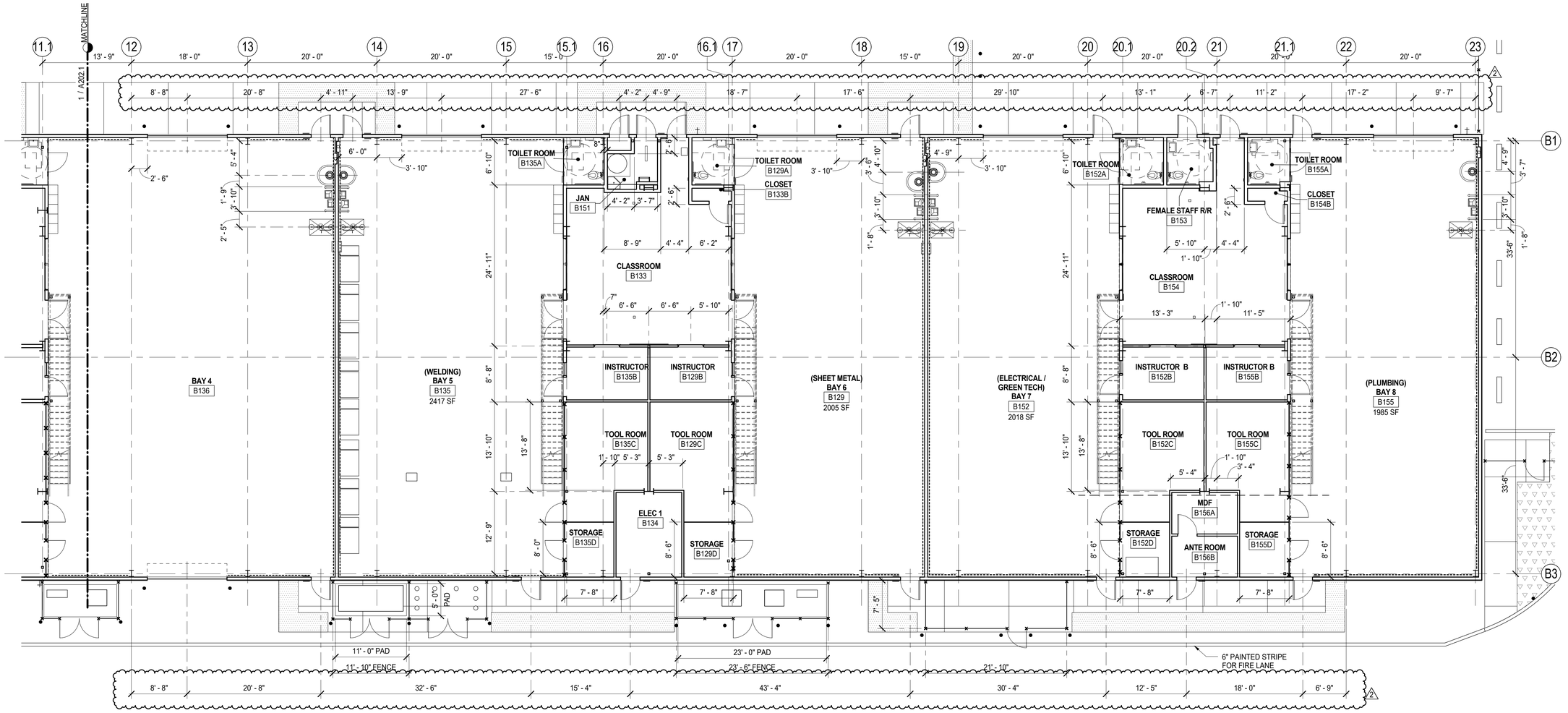
JOB NO. 4907A3
DATE 11/9/2016
SHEET **A203**

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LAST REVISION: 1/19/2017 4:02:44 PM

GENERAL NOTE:

1. ALL INTERIOR DOORS SET A MINIMUM OF 3" FROM ADJACENT WALLS.



1 DIMENSION PLAN - BLDG B - EAST
1/8" = 1'-0"

N

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 2/14/2017 12:30:53 PM

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2450 Venture Oaks Way
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2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
DIMENSION FLOOR PLAN - BLDG B - EAST

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

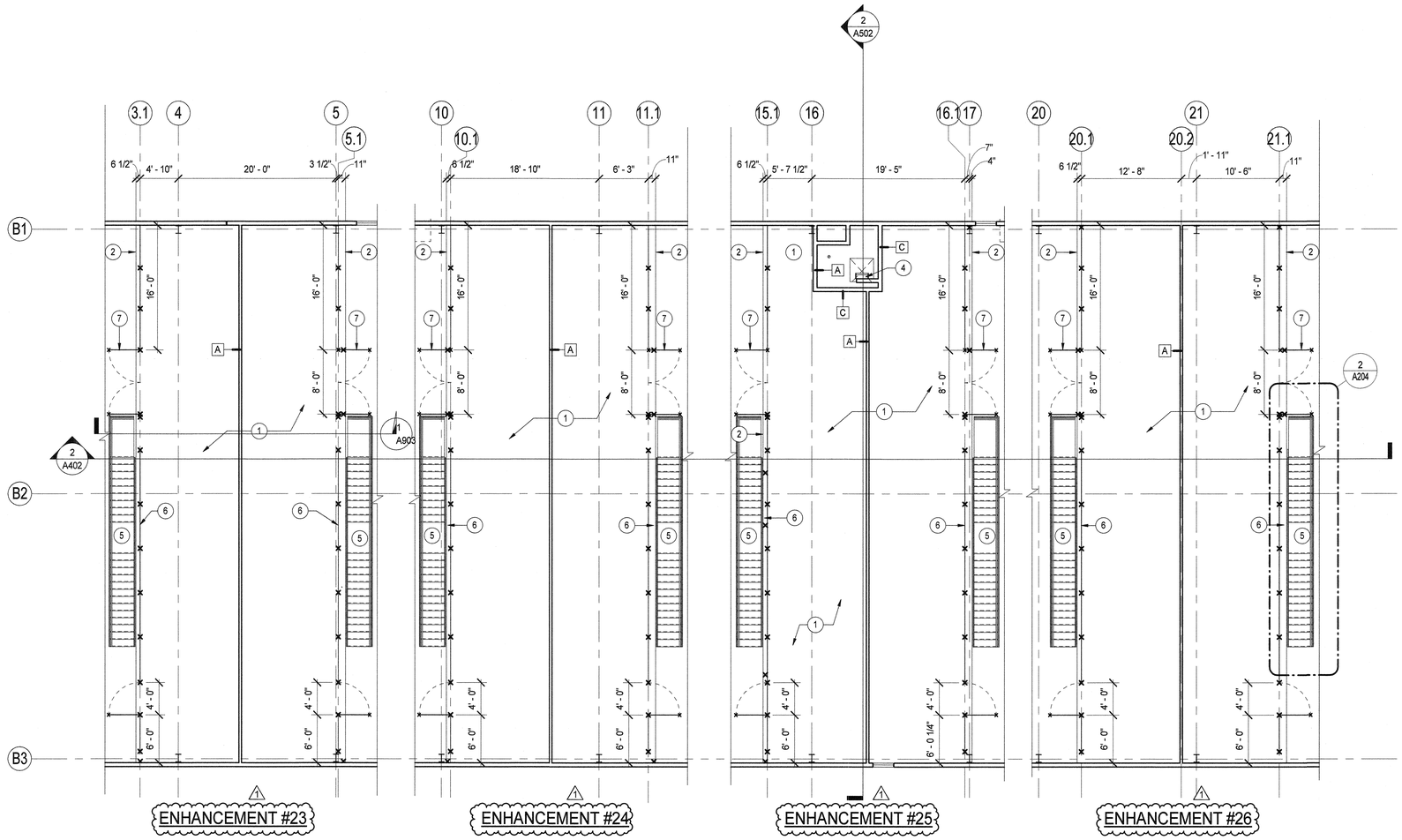
REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2	ADDENDUM #2	2/10/2017

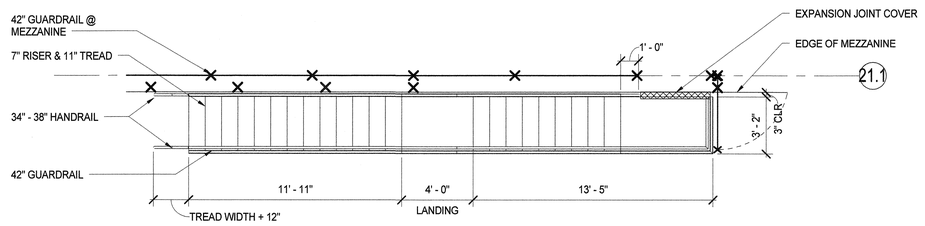
JOB NO. 4907A3
DATE 11/9/2016
SHEET A203.1

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Addendum 2



1 MEZZANINE PARTIAL PLAN - BLDG B
1/8" = 1'-0"



2 ENLARGED STAIR PLAN
1/4" = 1'-0"

THE COMPLETE DESIGN OF THE MEZZANINES ARE INCLUDED AND SHOWN AS PART OF THE CONSTRUCTION DOCUMENTS FOR REFERENCE AND COORDINATION PURPOSE ONLY AND NOT CONSIDERED PART OF THE BASE BID. REFER TO SHEET A903 FOR CLARIFICATION TO ENHANCEMENT #23, 24, 25, 26.

GENERAL NOTES:

1. SEE A711 FOR TYPICAL WALL TYPES
2. SEE A201.1 FOR ROOM DIMENSIONS.
3. PROVIDE 2" DEPRESSED SLAB. SLOPE 2% MAX TO FLOOR DRAIN AT ROOMS A114, A115, A119 AND A126.
4. ALL INTERIOR DOORS SET A MINIMUM OF 3" FROM ADJACENT WALLS.

LEGEND:

EXTERIOR WALL.

FULL HEIGHT WALL.

A1 A C

CHAINLINK GUARDRAIL.

KEYNOTES:

1. FLOOR SHEATHING SEE STRUCTURAL.
2. EDGE OF MEZZANINE.
3. NOT USED.
4. ROOF ACCESS LADDER.
5. PREFABRICATED STAIRCASE.
6. 42" HIGH CHAIN LINK GUARD RAIL.
7. PAIR OF CHAIN LINK 40"x42" GATE W/ HASP.

KEY PLAN

A

B - WEST | B - EAST

N

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Reviewed by: 1/20/17

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2500 CLAY BANK ROAD
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SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
MEZZANINE PARTIAL PLAN - BLDG B 1

SCALE: 0 1/2" 1" BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

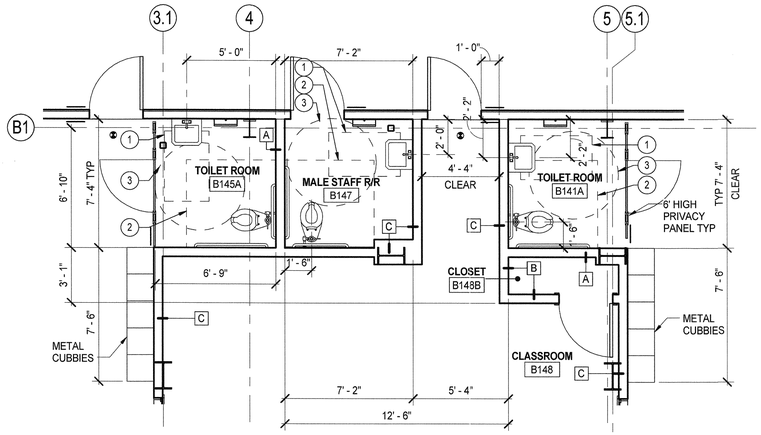
REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

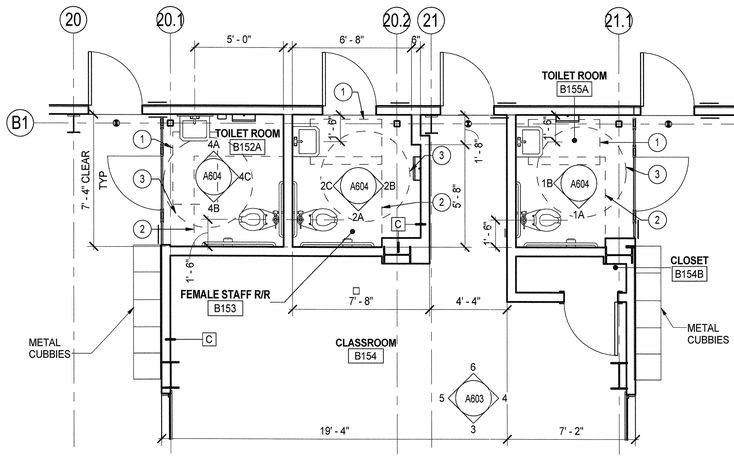
JOB NO. 4907A3
DATE 11/9/2016
SHEET A204 1

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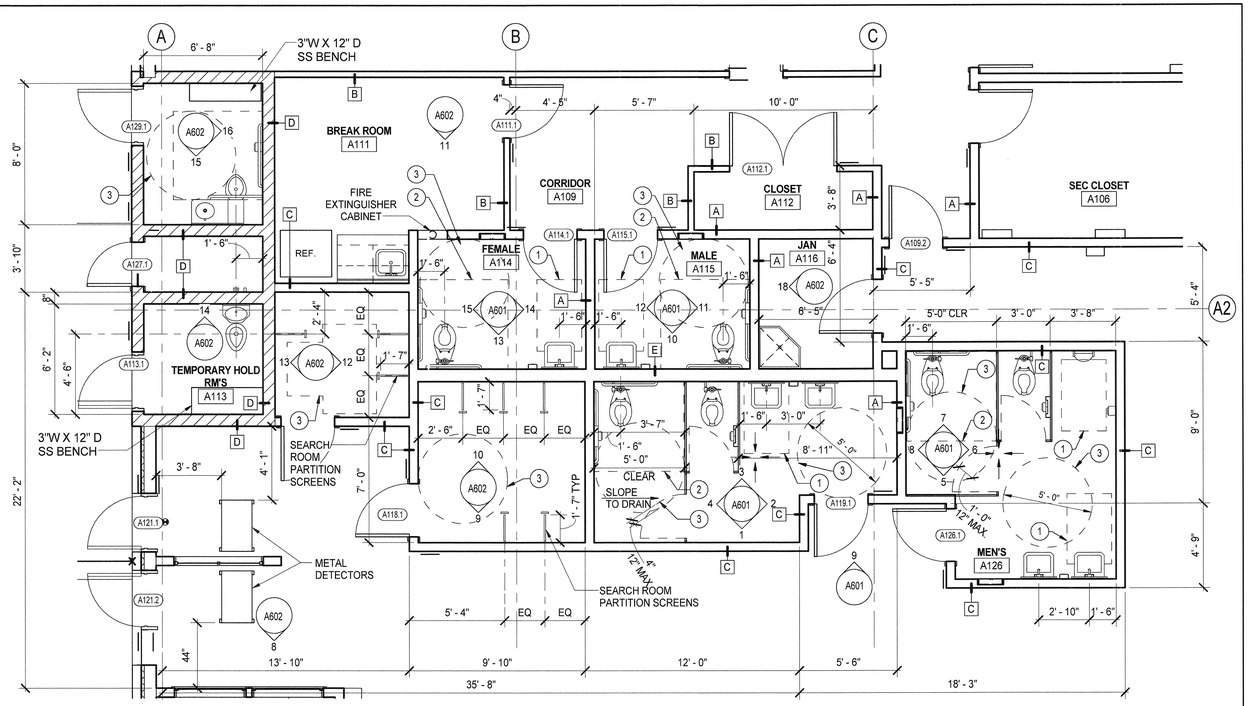
LAST REVISION: 1/19/2017 4:02:49 PM



4 — TYPICAL ENLARGED RESTROOMS - BUILDING B
1/4" = 1'-0"



5 — ENLARGED BATHROOM AREA PLAN - BUILDING B
1/4" = 1'-0"

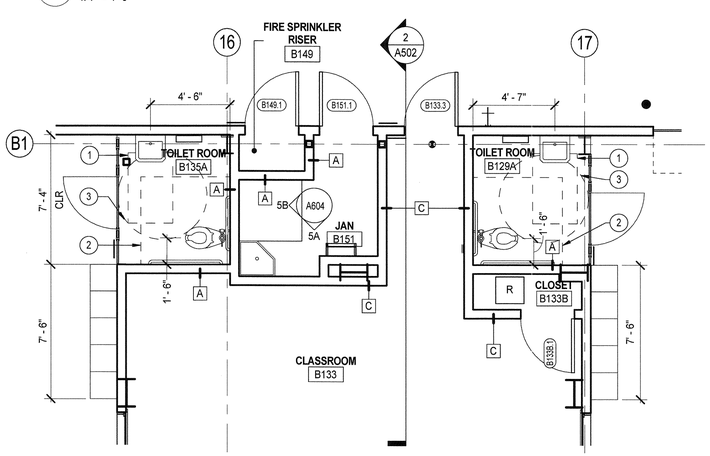


1 — ENLARGED RESTROOM/HOLDING PLAN - BUILDING A
1/4" = 1'-0"

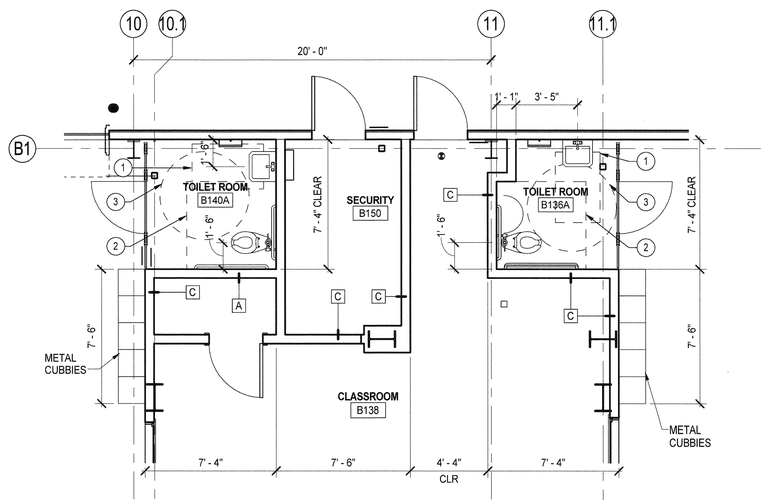
ADA LEGEND

1. 30" X 48" CLEAR FLOOR SPACE
2. 60" MIN WIDE X 56" MIN CLEAR
3. OR 60" DIA TURNING SPACE OR T-SHAPED ALT.

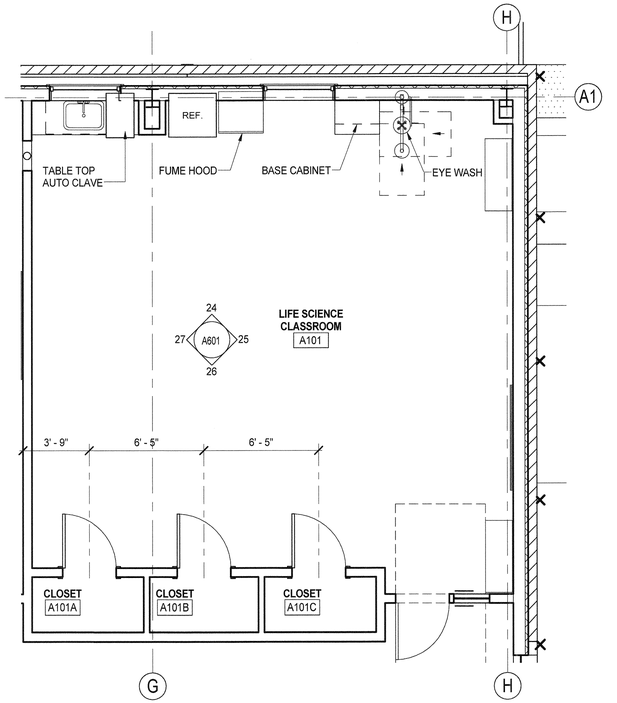
1. SEE SHEET G102 FOR TYPICAL MOUNTING HEIGHT AND CLEARANCE REQUIRED FOR TOILET PLUMBING FIXTURE, TOILET ACCESSORIES AND JANTOR ROOMS SHOWN ON THIS SHEET.
2. FOR TOILET PARTITION SCREENS SEE 2 & 5/A703.



6 — ENLARGED BATHROOM AREA PLAN - BUILDING B
1/4" = 1'-0"



3 — ENLARGED BATHROOM AREA PLAN - BUILDING B
1/4" = 1'-0"



2 — ENLARGED LIFE SCIENCE CLASSROOM PLAN - BUILDING A
1/4" = 1'-0"

LAST REVISION: 11/8/2016 12:56:49 PM

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ENLARGED FLOOR PLANS

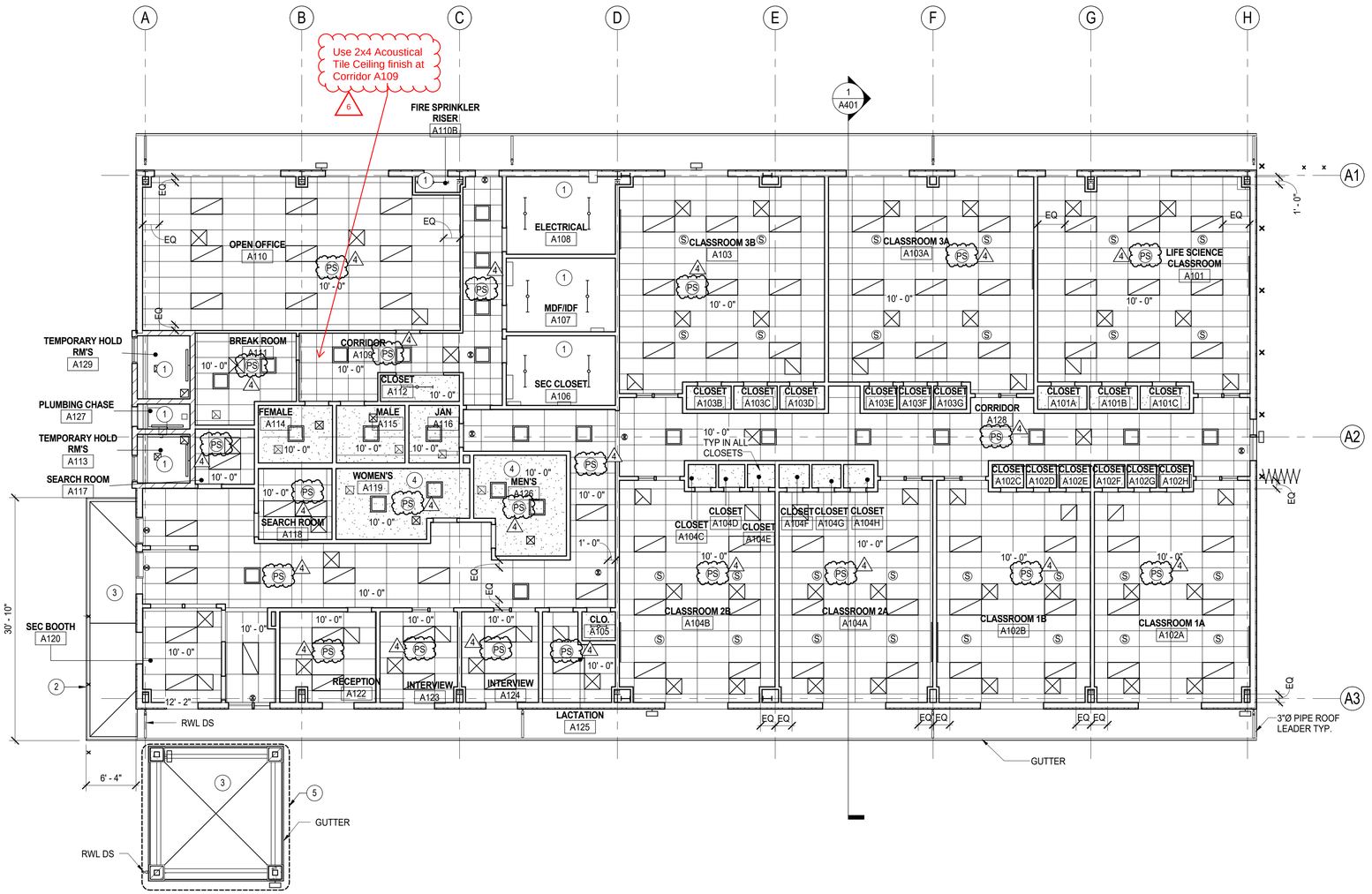
SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A210**

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1 REFLECTED CEILING PLAN - BLDG A
1/8" = 1'-0"

RCP LEGEND:

GYPSUM BOARD CEILING SEE 11/A701.	
2X4 ACOUSTICAL T-BAR SEE 1/A701.	
2X4 LED LIGHTING (RECESSED)	
2X2 LED LIGHTING (RECESSED)	
LED STRIP LIGHTING	
RECESSED LIGHTING	
HVAC AIR SUPPLY	
HVAC AIR RETURN	
SPEAKER	Ⓢ
EXIT SIGN	

KEYNOTES:

1. EXPOSED TO BOTTOM OF CONC STRUCTURE AT 10'-0"
2. EDGE OF CANOPY (NO GUTTER)
3. PAINT UNDERSIDE OF METAL ENTRY CANOPY PER NOTES ON EXT ELEV SHEETS.
4. HIGH IMPACT GYP CLG.
5. ENHANCEMENT #3: PROVE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A.

GENRAL NOTES:

1. REFER TO SHEET A701 FOR TYP CEILING DETAILS. FOR ADD'L INFO, REFER TO MECHANICAL, ELECTRICAL & SECURITY ELECTRONICS DRAWINGS.
2. CENTER CEILING GRID TO THE ROOM SO THE EDGES ARE EQ DISTANCE FROM THE WALLS, UON.

KEY PLAN

A

B - WEST | B - EAST

N

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2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

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Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
REFLECTED CEILING PLAN - BLDG A

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A221

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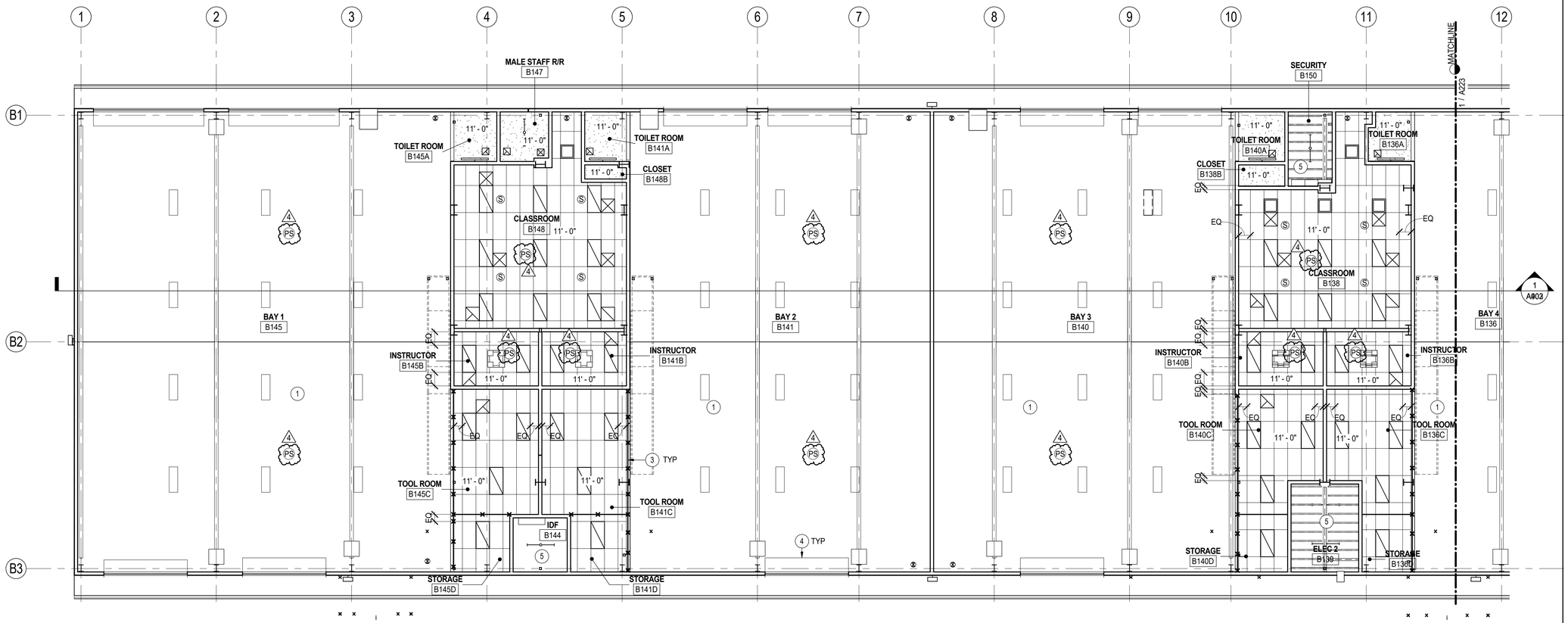
LAST REVISION: 2/24/2017 11:04:22 AM

KEYNOTES:

1. NO CEILING. PROVIDE EXPOSED WHITE LINER BELOW ROOF INSULATION WITH STRAP SUPPORTS BETWEEN PURLINS PER BUILDING MANUFACTURER.
2. NOT USED.
3. CHAIN LINK FENCE TO BOTTOM OF MEZZANINE.
4. OVERHEAD COILING DOOR HOOD.
5. BOTTOM OF MEZZANINE STRUCTURE.
6. BOTTOM OF SHADE CANOPY STRUCTURE.

RCP LEGEND:

GYPSUM BOARD CEILING	
2X4 ACOUSTICAL T-BAR	
2X4 LED LIGHTING (RECESSED)	
2X2 LED LIGHTING (RECESSED)	
SUSPENDED LIGHTING	
LED STRIP LIGHTING	
RECESSED LIGHTING	
HVAC AIR SUPPLY	
HVAC AIR RETURN	
SPEAKER	S
EXIT SIGN	



1 REFLECTED CEILING PLAN - BLDG B - WEST
1/8" = 1'-0"

LAST REVISION: 2/24/2017 11:04:24 AM

KEY PLAN

A

B - WEST | B - EAST

N

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GORDON W. ROGERS
Exp. 3/31/17
ARCHITECT
STATE OF CALIFORNIA

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SHEET TITLE:
REFLECTED CEILING PLAN - BLDG B - WEST

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A222**

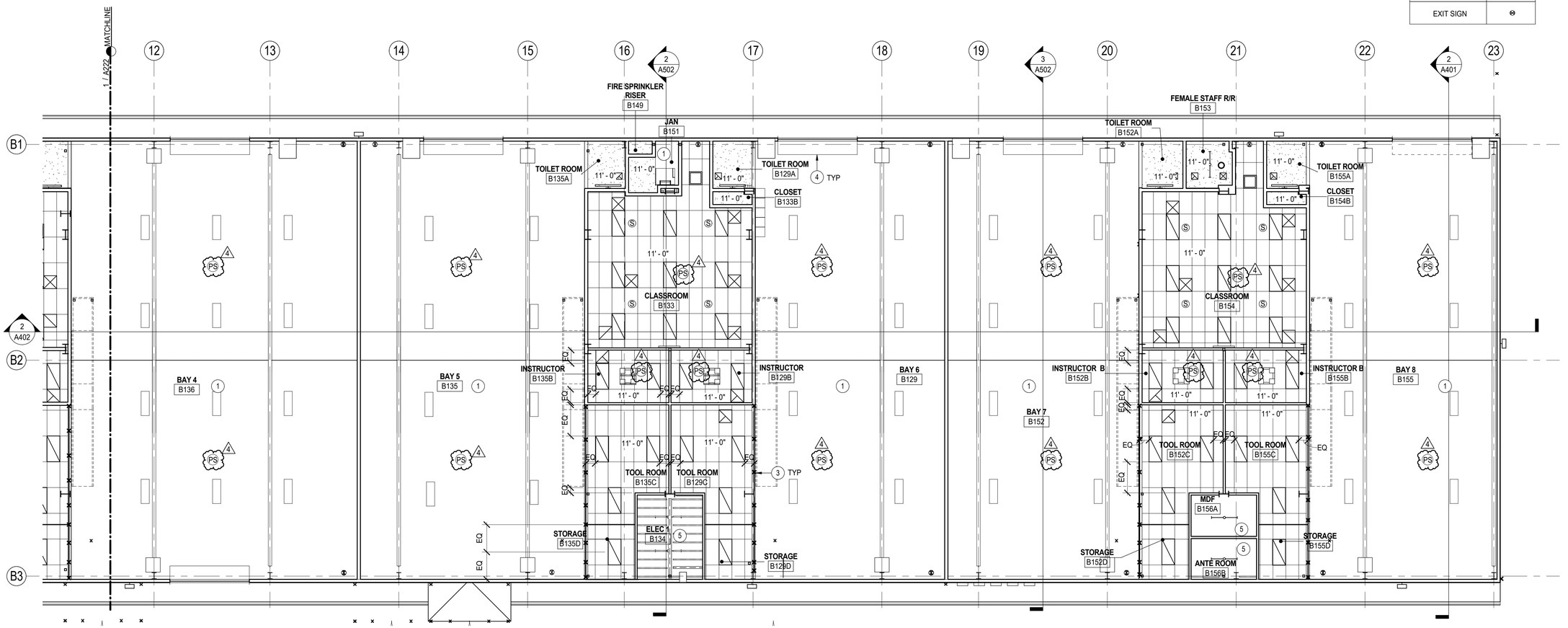
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KEYNOTES:

1. NO CEILING. PROVIDE EXPOSED WHITE LINER BELOW ROOF INSULATION WITH STRAP SUPPORTS BETWEEN PURLINS PER BUILDING MANUFACTURER.
2. NOT USED.
3. CHAIN LINK FENCE TO BOTTOM OF MEZZANINE.
4. OVERHEAD COILING DOOR HOOD.
5. BOTTOM OF MEZZANINE STRUCTURE.
6. BOTTOM OF SHADE CANOPY STRUCTURE.

RCP LEGEND:

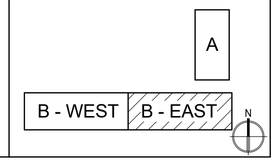
GYPSUM BOARD CEILING	
2X4 ACOUSTICAL T-BAR	
2X4 LED LIGHTING (RECESSED)	
2X2 LED LIGHTING (RECESSED)	
SUSPENDED LIGHTING	
LED STRIP LIGHTING	
RECESSED LIGHTING	
HVAC AIR SUPPLY	
HVAC AIR RETURN	
SPEAKER	Ⓢ
EXIT SIGN	



1 REFLECTED CEILING PLAN - BLDG B - EAST
1/8" = 1'-0"

N

KEY PLAN



LAST REVISION: 2/24/2017 11:04:27 AM

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Exp. 3/31/17
ARCHITECT
STATE OF CALIFORNIA

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SOLANO COUNTY

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PROJECT STATUS:
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SHEET TITLE:
REFLECTED CEILING PLAN - BLDG B - EAST

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A223**

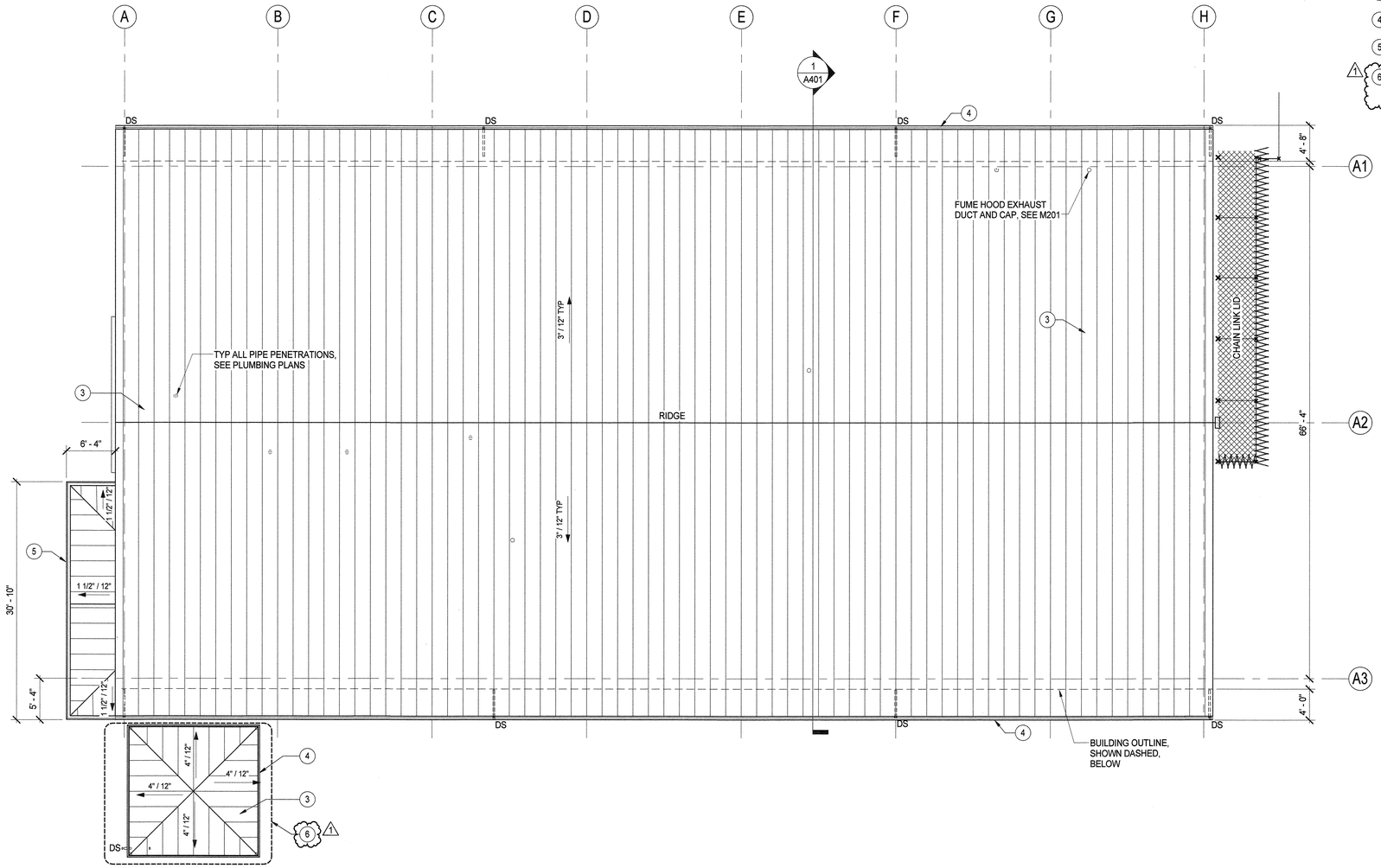
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ROOF LEGEND

DS	DOWNSPOUT
——→	ROOF SLOPE 3:12 TYP

KEYNOTES:

1. 3" METAL GUTTER.
2. NOT USED.
3. STANDING SEAM METAL ROOFING (DBL LOK).
4. 6" METAL GUTTER.
5. EDGE OF CANOPY ROOFING (NO GUTTER)
6. ENHANCEMENT #3: PROVIDE FREE STANDING ENTRANCE CANOPY AND STRUCTURE AT BUILDING A



1 ROOF PLAN - BLDG A
1/8" = 1'-0"

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 1/19/2017 4:02:58 PM

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SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
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SHEET TITLE:
ROOF PLAN - BLDG A

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO.	SHEET
4907A3	A231
DATE 11/9/2016	

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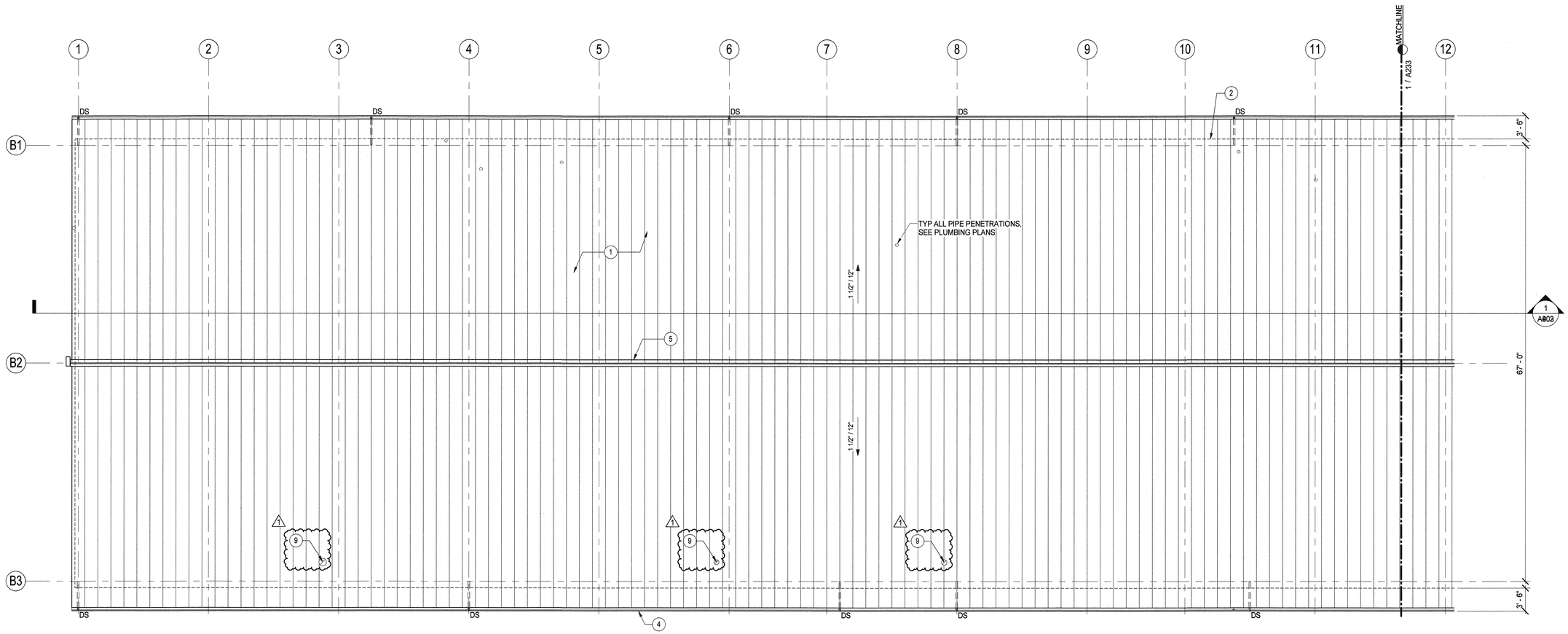
ROOF LEGEND

DS DOWNSPOUT

ROOF SLOPE 1.5:12 TYP.

KEYNOTES:

1. STANDING SEAM METAL ROOFING (DBL LOK PANEL).
2. BUILDING OUTLINE BELOW.
3. PHOTO VOLTAIC PANELS, SEE ELEC. DWGS.
4. 6" METAL GUTTER.
5. CONTINUOUS GRAVITY VENT.
6. 3'x3' ROOF ACCESS HATCH W/SAFETY POST & FALL PROTECTION RAIL SYSTEM.
7. FALL PROTECTION W/ GATE.
8. CURB FLASHING AROUND ROOF ACCESS
9. EXHAUST FLUE



1 ROOF PLAN - BLDG B - WEST
1/8" = 1'-0"

N

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 1/19/2017 4:03:00 PM

KITCHELL

Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ROOF PLAN - BLDG B - WEST

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2		
3		
4		
5		

JOB NO. 4907A3
DATE 11/9/2016
SHEET A232

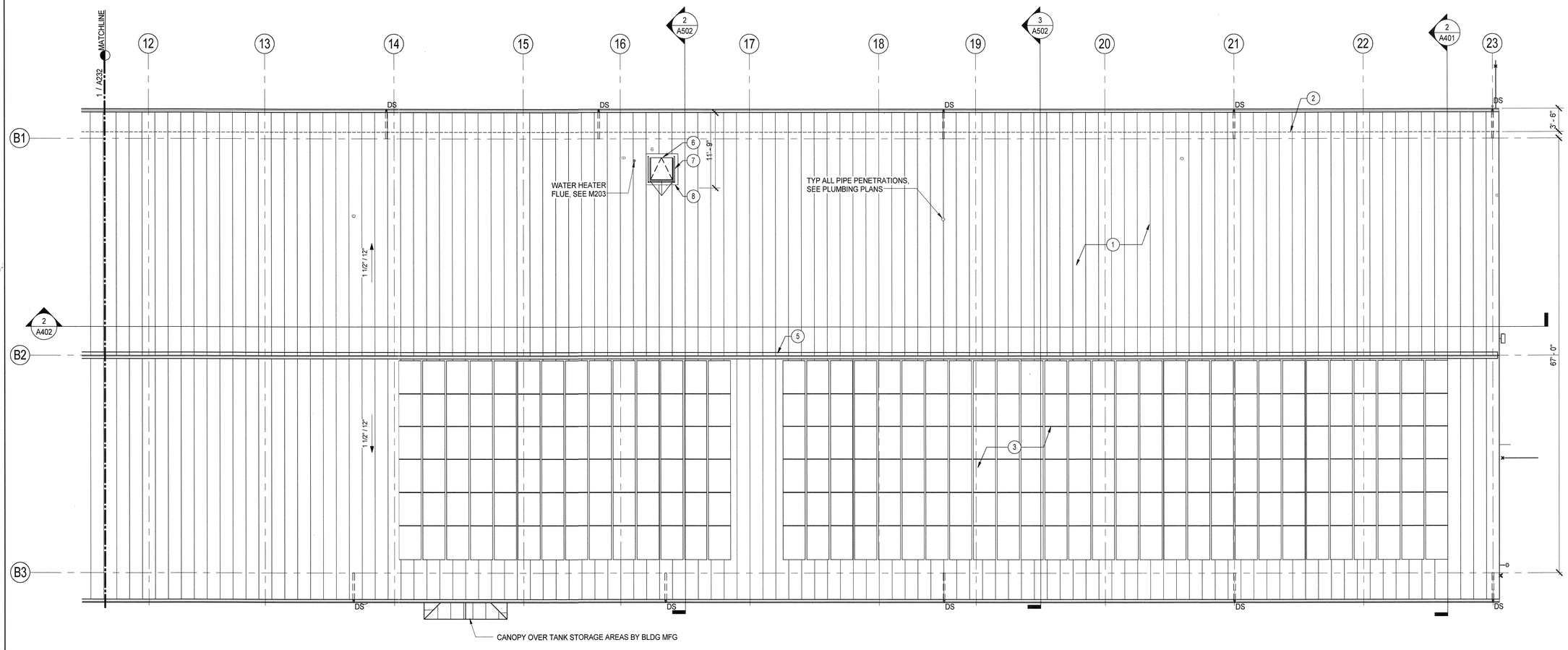
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ROOF LEGEND

DS	DOWNSPOUT
	EXHAUST FAN
	ROOF SLOPE 1.5:12 TYP.

KEYNOTES:

1. STANDING SEAM METAL ROOFING (DBL LOK PANEL).
2. BUILDING OUTLINE BELOW.
3. PHOTO VOLTAIC PANELS, SEE ELEC. DWGS.
4. 6" METAL GUTTER.
5. CONTINUOUS GRAVITY VENT.
6. 3'x3' ROOF ACCESS HATCH W/SAFETY POST & FALL PROTECTION RAIL SYSTEM.
7. FALL PROTECTION W/ GATE.
8. CURB FLASHING AROUND ROOF ACCESS



1 / — ROOF PLAN - BLDG B - EAST
1/8" = 1'-0"

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ROOF PLAN - BLDG B - EAST

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

KEY PLAN

A

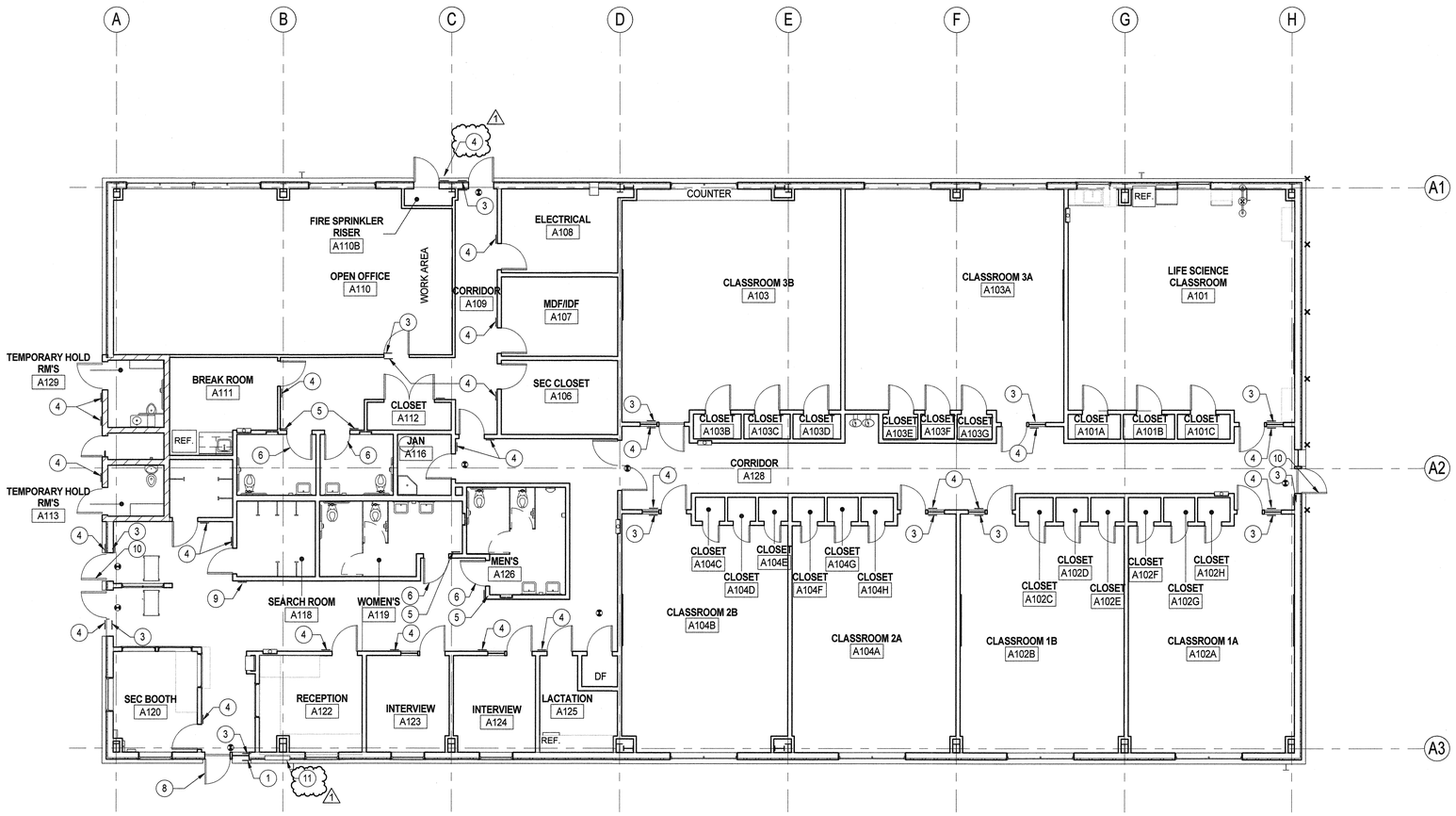
B - WEST | B - EAST

N

JOB NO.	SHEET
4907A3	A233
DATE 11/9/2016	

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LAST REVISION: 11/8/2016 12:57:01 PM



1 SIGNAGE PLAN - BLDG A
1/8" = 1'-0"

LEGEND:

PROVIDE ILLUMINATED EXIT SIGN ABOVE DOOR WITH BATTERY BACKUP FOR NOT LESS THAN 90 MIN.

KEYNOTES: SEE SHEET G103

1. BLDG ENTRY INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGNAGE. (S5)
2. NOT USED.
3. EXIT SIGNAGE. (S3)
4. ROOM FUNCTIONAL SIGNAGE. (S1)
5. RESTROOM WALL SIGNAGE. (S2)
6. RESTROOM DOOR SIGNAGE. (S4)
7. PROVIDE DOOR TAG TYPICAL ABOVE ALL HOLLOW METAL DOOR FRAMES W/ CORRESPONDING DOOR NUMBER PER SHEET A801.
8. PROVIDE VINYL ADHERED TEXT WITH NAMES OF THE SHERIFF AND UNDER SHERIFF (OFCI) MOUNT ON GLASS PORTION OF DOOR.
9. LEED PLAQUE SIGN, SHERIFF'S PENAL CODE FACILITY SIGNAGE, FACILITY OPERATIONS HOURS (OFCI) MOUNT LOCATION.
10. PROVIDE DELAYED EGRESS (2) SIGNS AT THIS DOOR, LOCATED ABOVE AND WITHIN 12" OF THE PANIC HARDWARE. ONE SIGN IN TEXT AND ONE SIGN IN BRAILLE, BOTH TO READ "KEEP PUSHING. THIS DOOR WILL OPEN IN 15 SECONDS. ALARM WILL SOUND."
11. BUILDING SIGNAGE. SEE EXTERIOR ELEVATION 3 / A302

GENERAL NOTES:

1. GENERAL AND SITE ACCESSIBILITY SHALL COMPLY WITH THE 2013 CALIFORNIA BUILDING CODE (CBC) SECTION 11B ACCESSIBILITY TO PUBLIC BUILDINGS.
2. THE ACCESSIBLE ROUTE (OR PATH OF TRAVEL) IS A CONTINUOUS UNOBSTRUCTED WALKWAY (OR PATH) CONNECTING ALL ACCESSIBLE ELEMENTS AND SPACES AS INDICATED ON THIS SHEET.
3. THE ACCESSIBLE ROUTE THROUGH BUILDING AND SITE TO BE MIN 36"CLEAR WITH MIN 48" CLEAR AT SIDEWALKS, AND MIN 44" CLEAR AT CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE, IN COMPLIANCE WITH 2013 CBC SECTION 11B: DIVISION 4.
4. ALL DOORS ALONG THE ACCESSIBILITY ROUTE THROUGH THE BUILDING TO HAVE MIN 32" CLEAR WIDTH AND SHALL COMPLY WITH 2013 CBC SECTION 11B-404.
5. THE SLOPE IN THE DIRECTION OF TRAVEL SHALL BE LESS THAN 1:20 (5%) WITH A MAXIMUM CROSS SLOPE OF ¼ INCH PER FOOT (2%), UNLESS OTHERWISE NOTED.
6. ALL WALKS, SIDEWALKS AND LANDINGS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGED IN LEVEL EXCEEDING ½ INCH, AND SHALL HAVE MINIMUM WIDTH OF 36 INCHES, UNLESS NOTED OTHERWISE.
7. ALL RAMPS SHALL COMPLY WITH 2013 CBC SECTION 11B-405 AND SHALL HAVE MAXIMUM SLOPE OF 1:12 (8.33%) IN THE DIRECTION OF TRAVEL WITH MAXIMUM CROSS SLOPE OF ¼ INCH PER FOOT (2%), UNLESS OTHERWISE NOTED.

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 1/19/2017 4:03:02 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
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LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
SIGNAGE PLAN - BLDG A

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A241

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LEGEND:

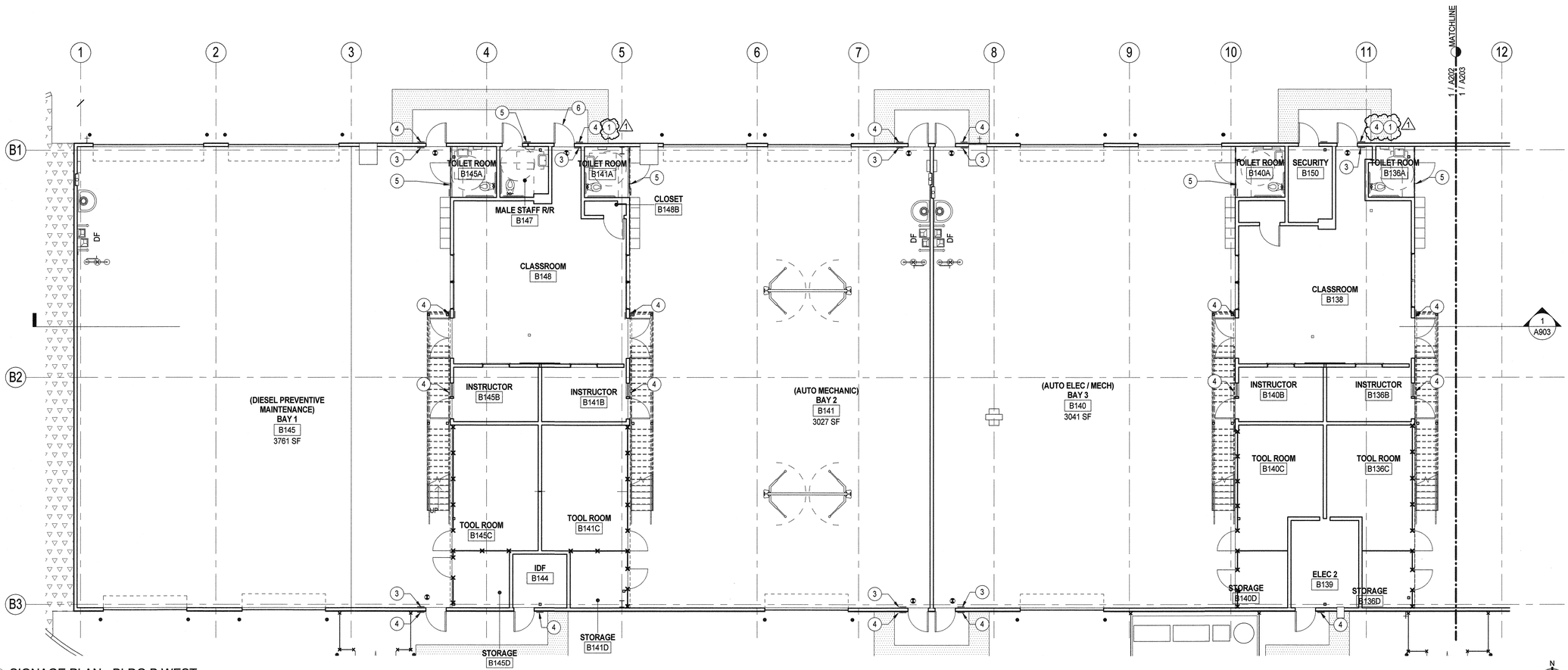
PROVIDE ILLUMINATED EXIT SIGN ABOVE DOOR WITH BATTERY BACKUP FOR NOT LESS THAN 90 MIN.

KEYNOTES: SEE SHEET G103

1. BLDG ENTRY INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGNAGE. (S5)
2. NOT USED.
3. EXIT SIGNAGE. (S3)
4. ROOM FUNCTIONAL SIGNAGE. (S1)
5. RESTROOM WALL SIGNAGE. (S2)
6. RESTROOM DOOR SIGNAGE. (S4)

GENERAL NOTES:

1. PATH OF TRAVEL FROM PARKING IS NOT PART OF THIS SCOPE AND WAS COMPLETED IN PREVIOUS PROJECT.
2. FIN FLR ELEV IS 0' - 0" UON.
3. GENERAL AND SITE ACCESSIBILITY SHALL COMPLY WITH THE 2013 CALIFORNIA BUILDING CODE (CBC) SECTION 11B ACCESSIBILITY TO PUBLIC BUILDINGS.
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1 SIGNAGE PLAN - BLDG B WEST
1/8" = 1'-0"

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 1/19/2017 4:03:04 PM

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Reviewed by: CEO 1/20/17

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
SIGNAGE PLAN - BLDG B - WEST

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REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A242

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LEGEND:

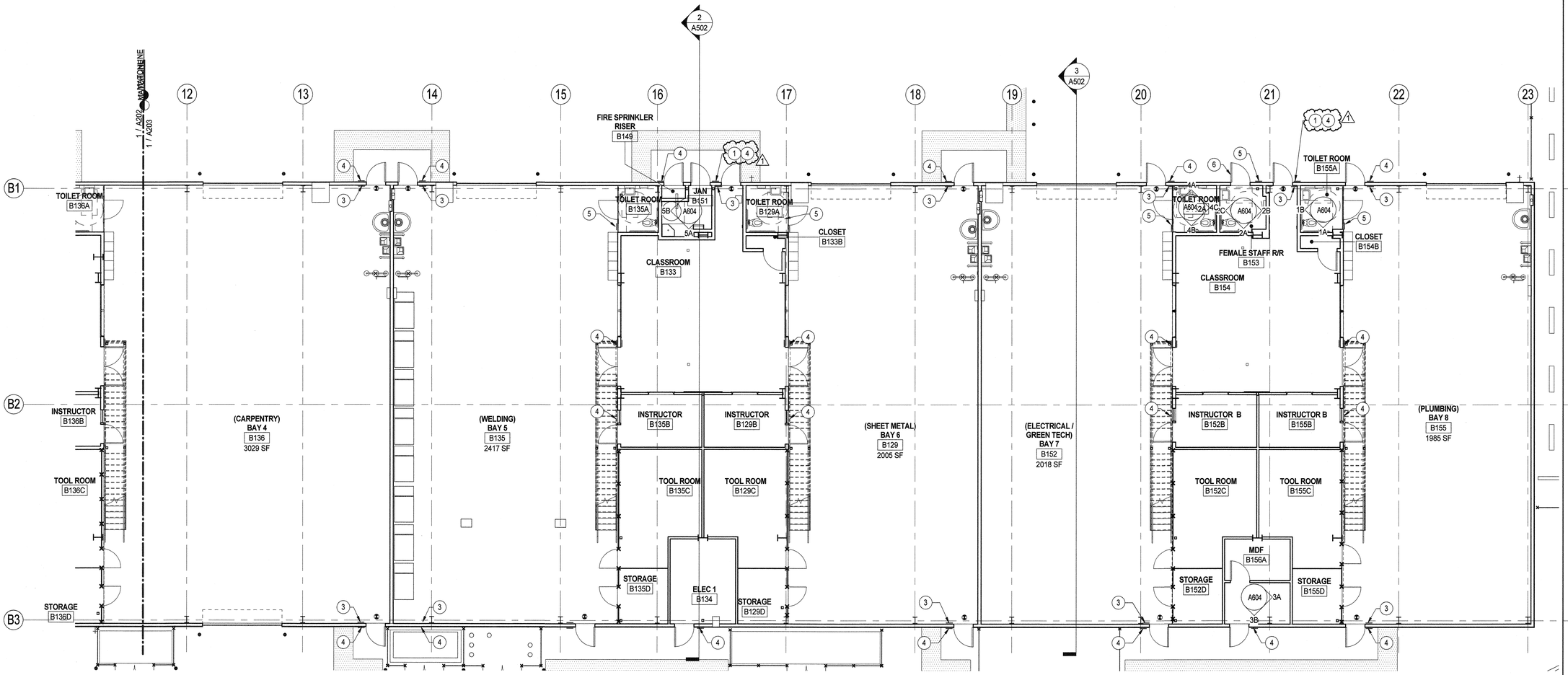
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1 SIGNAGE PLAN - BLDG B EAST
1/8" = 1'-0"

N

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 1/19/2017 4:03:07 PM

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Reviewed by: GRoger 1/20/17

SOLANO COUNTY

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FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
SIGNAGE PLAN - BLDG B - EAST

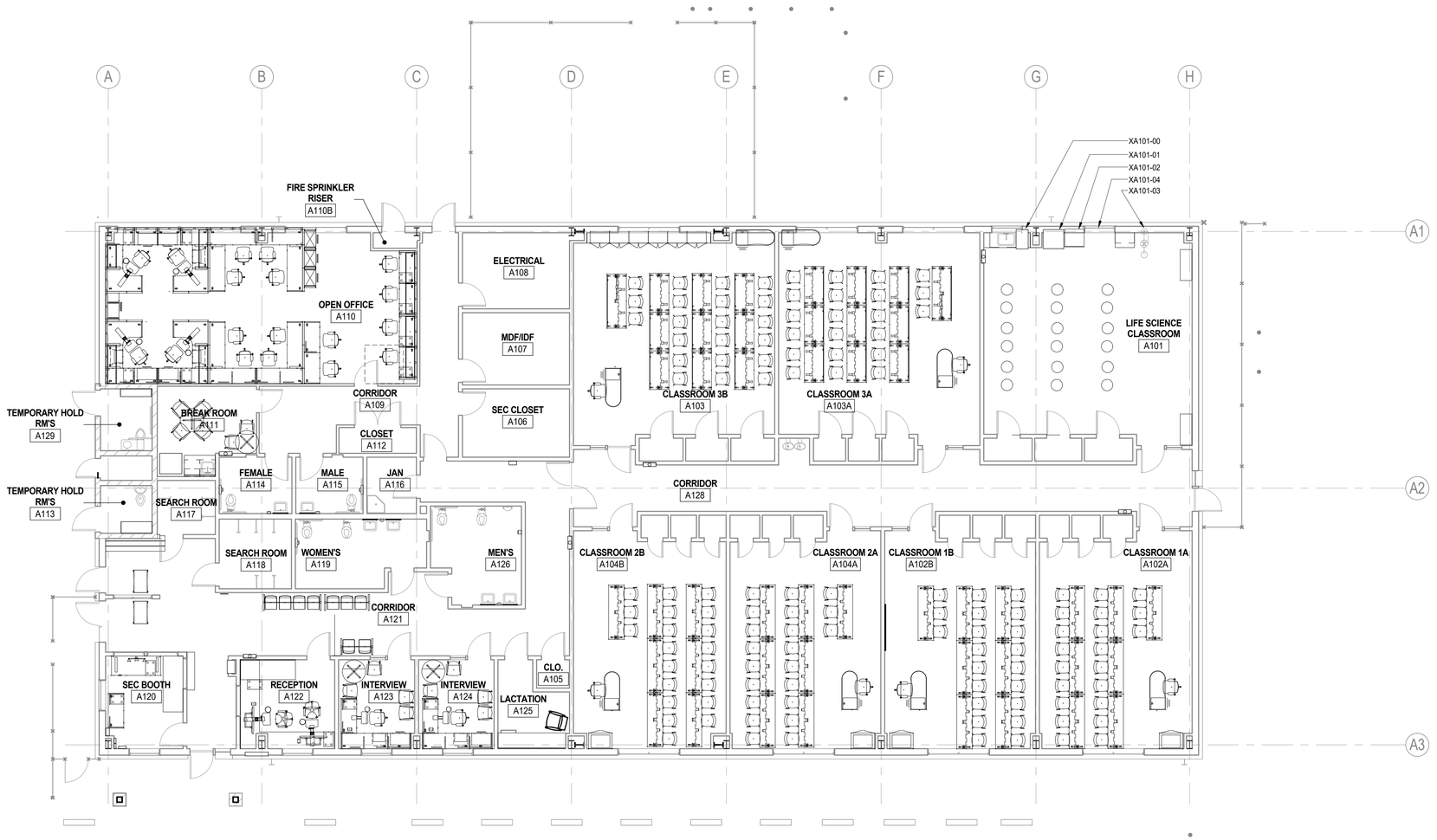
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A243

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1 FURN & EQUIP PLAN - BLDG A
1/8" = 1'-0"

LIFE SCIENCE CLASSROOM
X - CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO:	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XA101-00**	1	AUTOCLAVE	MARKET FORGE	STM-E	STERILMATIC AUTOCLAVE STERILIZER WITH ANALOG CONTROLS, STERILIZING CYLINDER Ø17"X20"H, ELECTRICAL POWER SINGLE PHASE 8.3 W 40 Hz 45A, 1/2" DRAIN LINE TO ADJACENT SINK, STERILMATIC TRAYS 12"X20"X2.5". 4
XA101-01	1	TOP FREEZER REFRIGERATOR	FRIGIDAIRE	GALLERY CUSTOM FLEX	TOP FREEZER BOTTOM REFRIGERATOR 20.5 CU. FT.
XA101-02	1	FUMEHOOD	COLE-PARMER	GH-33731-00	COMPACT FUME HOOD WITH RESIN WORK SURFACE, VAPORPROOF LIGHT, AND BUILT-IN EXHAUST BLOWER. PROVIDE WITH GH-33731-70 BASE CABINET OR SIMILAR.
XA101-03	1	COMBINATION EYE WASH/SHOWER	GUARDIAN	GBF 1909-ADA	EYEWASH AND SAFETY SHOWER W/STAINLESS STEEL BOWL, COLD WATER ONLY.
XA101-04	1	ACID STORAGE CABINET	KEWAUNEE	G85M651823	22 GAL CAPACITY ACID/CORROSIVE STORAGE CABINET

* USE SHOWN OR APPROVED EQUAL.

** ENHANCEMENT #15. SEE SHEET G001

KEY PLAN

A

B - WEST | B - EAST

N

LAST REVISION: 2/23/2017 3:37:13 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
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LICENSED ARCHITECT GORDON W. ROGERS Exp. 3/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: _____

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FURNITURE & EQUIPMENT PLAN - BLDG A

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

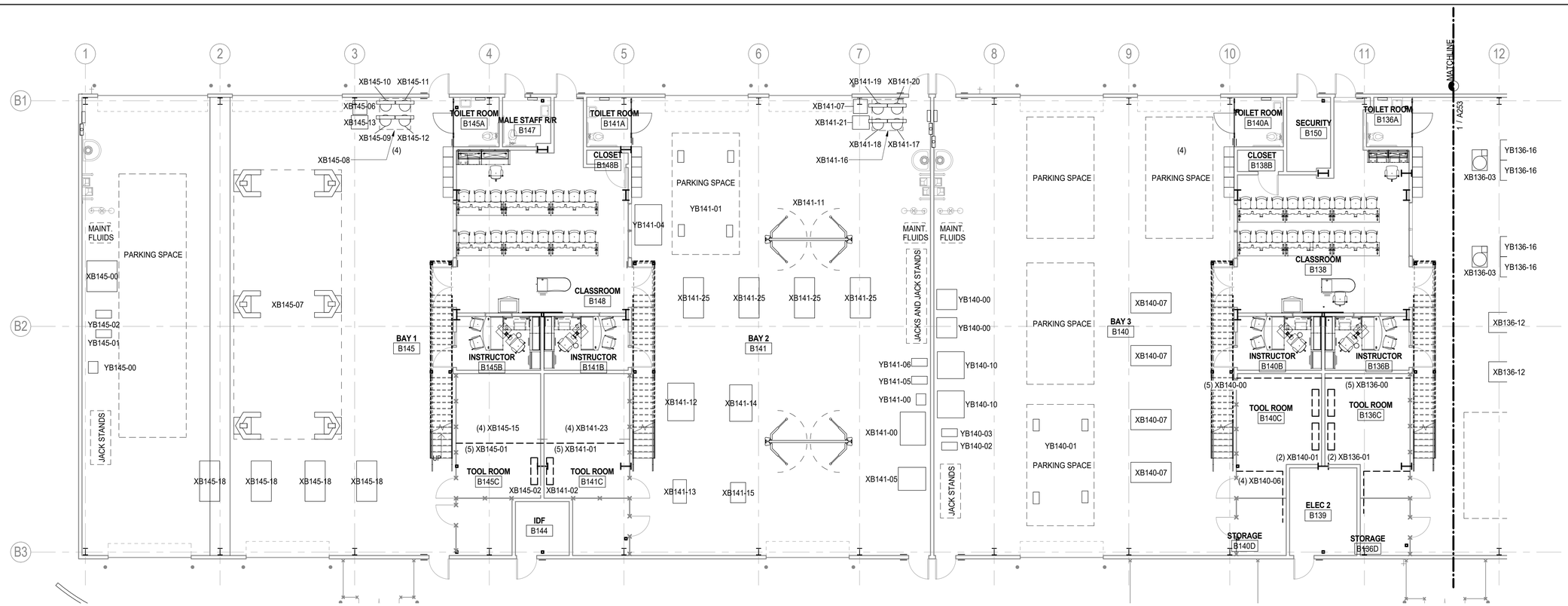
No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3

DATE 11/9/2016

SHEET A251

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1 FURN & EQUIP PLAN - BLDG B - WEST
1/8" = 1'-0"

N

DIESEL PREVENTATIVE MAINTENANCE - BAY 1

X-CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XB145-00**	1	BALANCER	JOHN BEAN	9800	TRUCK WHEEL BALANCER WITH PNEUMATIC WHEEL LIFT
XB145-01	5	TOOL PEG BOARD	ULINE	H-2684	48"x24" PEG BOARD STARTER KIT WITH 'VISUAL WORKPLACE INC' SHADOW-MARK TOOL SHADOW TAPE OR EQUIVALENT
XB145-02	1	WALL SHELVING	ULINE	H-4876	16-GAUGE ALUMINUM WALL MOUNT SHELVING 48x12x12 (WDH)
XB145-03	2	MAINT BUCKET	GRAINGER	1TMH6 4	5 GALLON STEEL PAIL WITH LINING AND LID (6MRJ0) FOR CLEANING MAINT FLUID 4
XB145-05	2	DIAGNOSTICS	BLUEPOINT	POCKET IQ W/ALL ENGINE LITE SW	DIESEL DIAGNOSTICS KIT W/APPROPRIATE SOFTWARE FOR SERVICE VEHICLES
XB145-06	1	DOLLY	ULINE	H-1233	55 GALLON STEEL DRUM DOLLY
XB145-07	1	MOBILE COLUMN LIFT	JOHN BEAN	JBC6099MC	6 MOBILE COLUMN LIFT 16000 LBS PER STAND
XB145-08	1	PALLET	PIG	PAK241	4 CAPACITY 55GAL DRUM STEEL SPILL CONTAINMENT PALLET
XB145-09	1	TRANSMISSION PUMP	FLO-DYNAMICS	TSD735	HEAVY DUTY AUTOMATIC TRANSMISSION PUMP THROUGH INLINE OR DIPSTICK
XB145-10	1	CHASSIS LUBE PUMP	LINCOLN	MODEL 83112	CHASSIS LUBE PUMP SYSTEM, 50:1 PRESSURE RATIO FOR 55 GALLON DRUM
XB145-11	1	HYDRAULIC FLUID PUMP	DAYTON	11Z374	HYDRAULIC FLUID DRUM PUMP
XB145-12	1	OIL PUMP	DAYTON	5UWG6	MOTOR OIL DRUM PUMP
XB145-13	1	USED FLUID TANK	LINCOLN	MODEL 3624	USED FLUID TANK, 26 GALLON; COMPATIBLE WITH ALL USED FLUIDS
XB145-14	1	HAZMAT SHED W/RAMP	SECURALL	B600 W/BR60-N	STEEL HAZMAT DRUM STORAGE (4DRUM) LOCKER WITH RAMP FOR HAZMAT STORAGE SHED
XB145-15**	4	MOBILE COMP DESK	GLOBAL INDUSTRIAL	WG607300	MOBILE DESKTOP COMPUTER WORKSTATIONS
XB145-17	2	JACK STAND	BENDPAK	BPAK-MLS-18	6, 16000LB CAPACITY COLUMN JACK STAND
XB145-18**	4	WORKBENCH ON CASTERS W/BRAKES	GLOBAL INDUSTRIAL	T9F183155A	72x36" WELDED MOBILE STEEL WORKBENCH WITH BRAKES

Y-OWNER FURNISHED OWNER INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
YB145-00	1	BATTERY CHARGER	SNAP-ON	EEBC500	BATTERY CHARGER
YB145-01	1	JACK	SNAP-ON	YA700B	HYDRAULIC, FLOOR, 2 TON
YB145-02	1	JACK	BLUEPOINT	YA657C	HYDRAULIC, FLOOR, 4 TON
YB145-03	2	METER	SNAP-ON	EETA502C	VOLT OHM, CLAMP ON
YB145-04	2	AIR IMPACT TOOL	BLUEPOINT	AT370	AIR, IMPACT, 3/8"
YB145-05	2	AIR IMPACT TOOL	SNAP-ON	MG3255	AIR, IMPACT, 1/2"
YB145-06	2	TESTER	SNAP-ON	EEDM503D	VOLT/ AMP SYSTEM
YB145-08	5	TOOL SET	CRAFTSMAN	ASSORTED TOOLS	STUDENT SETS WITH 1 DESIGNATED INSTRUCTOR SET; SEE SPECS FOR TOOL LIST; MODELED AFTER UTI SUGGESTIONS
YB145-10	4	BENCH VISE	CRAFTSMAN	BENCH VISE	6 IN BENCH VISE TO ATTACH TO WORK TABLE

AUTO MECHANIC - BAY 2

X-CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XB141-00	1	BALANCER	SNAP-ON	EEWB331A	MOTORIZED WHEEL BALANCER FOR OPERATOIN WITH BOTH STATIC AND DYNAMIC BALANCING MODES
XB141-01	5	TOOL PEG BOARD	ULINE	H-2684	48"x24" PEG BOARD STARTER KIT WITH 'VISUAL WORKPLACE INC' SHADOW-MARK TOOL SHADOW TAPE OR EQUIVALENT
XB141-02	1	WALL SHELVING	ULINE	H-4876	16-GAUGE ALUMINUM WALL MOUNT SHELVING 48x12x12 (WDH)
XB141-03	2	MAINT BUCKET	GRAINGER	1TMH6 4	5 GALLON STEEL PAIL WITH LINING AND LID (6MRJ0) FOR CLEANING MAINT FLUID 4
XB141-05**	1	TIRE CHANGER	SNAP-ON	EEWH312A	WHEEL/TIRE CHANGER W/SWING ARM FOR CARS/LIGHT TRUCKS
XB141-06	2	DIAGNOSTICS	SNAP-ON	SOLUS EDGE	CAR AND LIGHT TRUCK DIAGNOSTICS KIT
XB141-07	1	DOLLY	ULINE	H-1233	55 GALLON STEEL DRUM DOLLY
XB141-08	1	TRANSMISSION JACK	STRONGWAY	2-STAGE TELESCOPING TRANSMISSION JACK - 1/2 TON CAPACITY	HYDRAULIC TRANSMISSION, 1/2 TON, FLOOR TYPE
XB141-09	1	TRANSMISSION JACK	STRONGWAY	LOW PROFILE TRANSMISSION JACK	HYDRAULIC TRANSMISSION, 1/2 TON, HOIST TYPE
XB141-10	1	POSTLIFT	BENDPAK	XPR-10	TWIN POST ASYMMETRICAL, CLEAR FLOOR, 10000 CAPACITY MAX
XB141-11	1	POSTLIFT	BENDPAK	XPR-15C	TWIN POST ASYMMETRICAL, CLEAR FLOOR, 15000 CAPACITY MAX
XB141-12**	1	ENGINE HOIST	IRONTON	HYDRAULIC ENGINE HOIST	ENGINE HOIST FOR ENGINE MOCK, 1 TON CAPACITY
XB141-13	1	ENGINE STAND	OMEGA	AUTOMOTIVE GEARED ENGINE STAND	ENGINE STAND FOR ENGINE MOCK, 1250LB CAPACITY
XB141-14**	1	ENGINE HOIST	STRONGWAY	HYDRAULIC ENGINE HOIST W/ LOAD LEVELER	ENGINE HOIST FOR ENGINE MOCK, 2 TON CAPACITY
XB141-15	1	ENGINE STAND	STRONGWAY	ENGINE STAND 2000LBS	ENGINE STAND FOR ENGINE MOCK, 2000LB CAPACITY
XB141-16	1	PALLET	PIG	PAK241	4 CAPACITY 55GAL DRUM STEEL SPILL CONTAINMENT PALLET
XB141-17	1	TRANSMISSION PUMP	FLO-DYNAMICS	TSD735	HEAVY DUTY AUTOMATIC TRANSMISSION PUMP THROUGH INLINE OR DIPSTICK
XB141-18	1	CHASSIS LUBE PUMP	LINCOLN	MODEL 83112	CHASSIS LUBE PUMP SYSTEM, 50:1 PRESSURE RATIO FOR 55 GALLON DRUM
XB141-19	1	HYDRAULIC FLUID PUMP	DAYTON	11Z374	HYDRAULIC FLUID DRUM PUMP
XB141-20	1	OIL PUMP	DAYTON	5UWG6	MOTOR OIL DRUM PUMP
XB141-21	1	USED FLUID TANK	LINCOLN	MODEL 3624	USED FLUID TANK, 26 GALLON; COMPATIBLE WITH ALL USED FLUIDS
XB141-23**	4	MOBILE COMP DESK	GLOBAL INDUSTRIAL	WG607300	MOBILE DESKTOP COMPUTER WORKSTATIONS
XB141-25**	4	WORKBENCH ON CASTERS W/BRAKES	GLOBAL INDUSTRIAL	T9F183155A	72x36" WELDED MOBILE STEEL WORKBENCH WITH BRAKES

Y-OWNER FURNISHED OWNER INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
YB141-00	1	BATTERY CHARGER	SNAP-ON	EEBC500	BATTERY CHARGER
YB141-01	1	AUTO SKATES	MERRICK MACHINE	AUTO DOLLY SET	SET OF 4 AUTO DOLLY SET, 6000LB TOTAL CAPACITY
YB141-02	2	AIR DRILL	INGERSOLL RAND	7803 SERIES	1/2" CHUCK, AIR WITH 400 TO 500 RPM REVERSIBLE
YB141-03	2	AIR DRILL	INGERSOLL RAND	7802 SERIES	3/8" CHUCK, AIR WITH 1200 TO 2500 RPM REVERSIBLE
YB141-04	1	END LIFT	AMERICAN FORGE	INT3598	10 TON CAPACITY AIR END LIFT
YB141-05	1	JACK	SNAP-ON	YA700B	HYDRAULIC, FLOOR, 2 TON
YB141-06	1	JACK	BLUEPOINT	YA657C	HYDRAULIC, FLOOR, 4 TON
YB141-07	2	AIR IMPACT TOOL	BLUEPOINT	AT370	AIR, IMPACT, 3/8"
YB141-08	2	AIR IMPACT TOOL	SNAP-ON	MG3255	AIR, IMPACT, 1/2"
YB141-09	1	JACK STAND	BIG RED	T412002	JACK, 12 TON, PAIR
YB141-10	1	JACK STAND	BIG RED	T46002C	JACK, 6 TON, PAIR
YB141-12	5	TOOL SET	CRAFTSMAN	ASSORTED TOOLS	STUDENT SETS WITH 1 DESIGNATED INSTRUCTOR SET; SEE SPECS FOR TOOL LIST; MODELED AFTER UTI SUGGESTIONS
YB141-13	4	ENGINE MOCK	CUSTOM	ENGINE MOCK FOR HOISTS/STANDS	CUSTOM ENGINE MOCK TO SIMULATE MECHANICS OF ENGINE, SIMILAR TO UTI ENGINE MOCKS
YB141-14	4	BENCH VISE	CRAFTSMAN	BENCH VISE	6 IN BENCH VISE TO ATTACH TO WORK TABLE

AUTO ELECTRICAL - MECHANICAL - BAY 3

X-CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XB140-00	5	TOOL PEG BOARD	ULINE	H-2684	48"x24" PEG BOARD STARTER KIT WITH 'VISUAL WORKPLACE INC' SHADOW-MARK TOOL SHADOW TAPE OR EQUIVALENT
XB140-01	2	WALL SHELVING	ULINE	H-4876	16-GAUGE ALUMINUM WALL MOUNT SHELVING 48x12x12 (WDH)
XB140-02	2	MAINT BUCKET	GRAINGER	1TMH6 4	5 GALLON STEEL PAIL WITH LINING AND LID (6MRJ0) FOR CLEANING MAINT FLUID 4
XB140-04	2	DIAGNOSTICS	SNAP-ON	SOLUS EDGE	CAR AND LIGHT TRUCK DIAGNOSTICS KIT
XB140-06**	4	MOBILE COMP DESK	GLOBAL INDUSTRIAL	WG607300	MOBILE DESKTOP COMPUTER WORKSTATIONS
XB140-07**	4	WORKBENCH ON CASTERS W/BRAKES	GLOBAL INDUSTRIAL	T9F183155A	72x36" WELDED MOBILE STEEL WORKBENCH WITH BRAKES

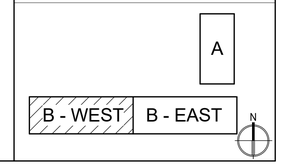
Y-OWNER FURNISHED OWNER INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
YB140-00	2	ELECTRONICS MOCK	CUSTOM	HVAC ELECTRONICS MOCK	CUSTOM AUTO ELECTRONICS MOCK TO SIMULATE MECHANICS OF AUTO ELECTRONICS, SIMILAR TO UTI ELECTRONICS MOCKS
YB140-01	1	AUTO SKATES	MERRICK MACHINE	AUTO DOLLY SET	SET OF 4 AUTO DOLLY SET, 6000LB TOTAL CAPACITY
YB140-02	1	JACK	SNAP-ON	YA700B	HYDRAULIC, FLOOR, 2 TON
YB140-03	1	JACK	BLUEPOINT	YA657C	HYDRAULIC, FLOOR, 4 TON
YB140-04	2	AIR IMPACT TOOL	BLUEPOINT	AT370	AIR, IMPACT, 3/8"
YB140-05	2	AIR IMPACT TOOL	SNAP-ON	MG3255	AIR, IMPACT, 1/2"
YB140-06	2	JACK STAND	BIG RED	T412002	JACK, 12 TON, PAIR
YB140-07	2	JACK STAND	BIG RED	T46002C	JACK, 6 TON, PAIR
YB140-09	5	TOOL SET	CRAFTSMAN	ASSORTED TOOLS	STUDENT SETS WITH 1 DESIGNATED INSTRUCTOR SET; SEE SPECS FOR TOOL LIST; MODELED AFTER UTI SUGGESTIONS
YB140-10	2	HVAC MOCK	CUSTOM	HVAC AUTO MOCK	CUSTOM AUTO HVAC MOCK TO SIMULATE MECHANICS OF HVAC, SIMILAR TO UTI HVAC MOCKS
YB140-11	4	BENCH VISE	CRAFTSMAN	BENCH VISE	6 IN BENCH VISE TO ATTACH TO WORK TABLE

* USE SHOWN OR APPROVED EQUAL.

** ENHANCEMENT #15. SEE SHEET G001

KEY PLAN



LAST REVISION: 2/23/2017 2:47:11 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT
GORDON W. ROGERS
Exp. 3/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FURNITURE & EQUIPMENT PLAN - BLDG B - WEST

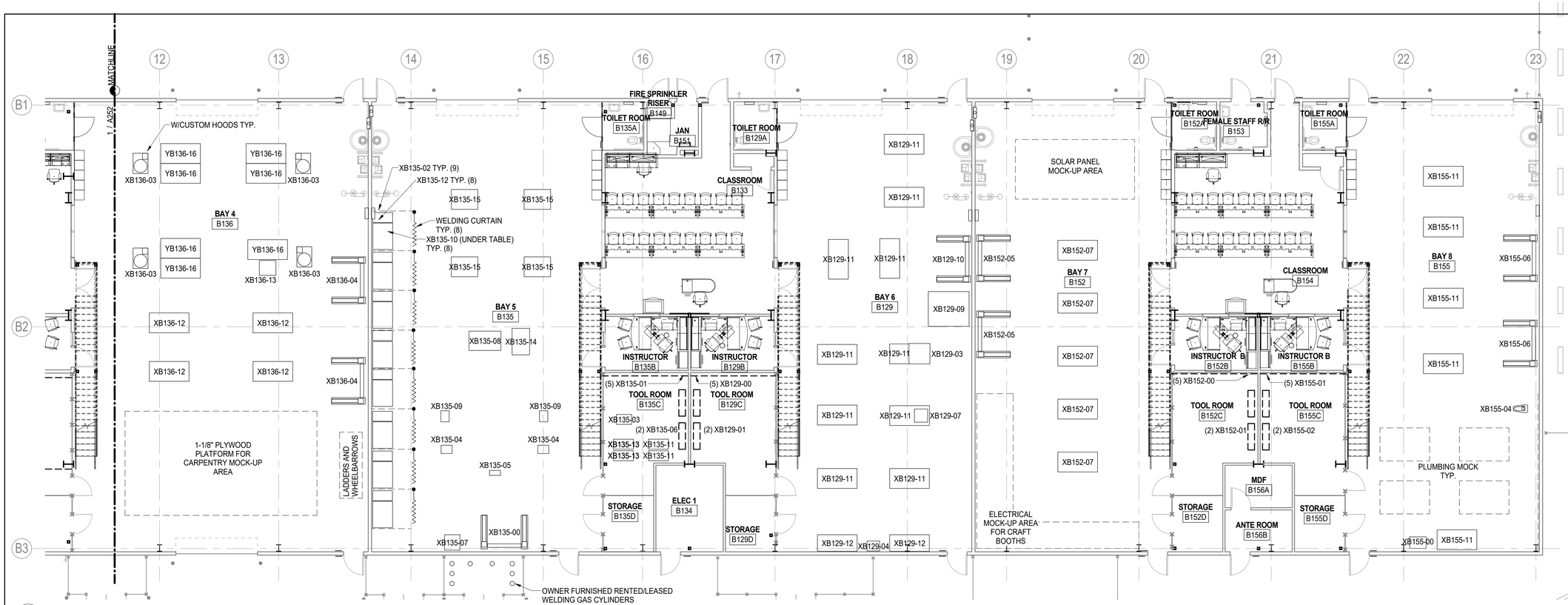
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A252

C:\BIM\CLAYBANK VOCED_asalija@kitchell.com.rvt



1 / — FURN & EQUIP PLAN - BLDG B - EAST
1/8" = 1'-0"

CARPENTRY - BAY 4

X-CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XB136-00	5	TOOL PEG BOARD	ULINE	H-2684	48"x24" PEG BOARD STARTER KIT WITH 'VISUAL WORKPLACE INC' SHADOW-MARK TOOL SHADOW TAPE OR EQUIVALENT
XB136-01	2	WALL SHELVING	ULINE	H-4876	16-GAUGE ALUMINUM WALL MOUNT SHELVING 48x12x12 (WDH)
XB136-03	4	DUST COLLECTOR	JET	DC-1200	SELF CONTAINED DUST COLLECTOR FOR WOODWORKING STATIONS
XB136-04	2	MATERIAL RACK	EASY RACK	4 144" HEAVY CANTILEVER RACK (HU-C-12-II) W/ 48" HEAVY CANTILEVER RACK ARMS (HSA-C-II)	STORAGE RACK TO STOCK RAW MATERIAL
XB136-06	2	COMPOUND MITER SAW W/STAND	DEWALT	DW708	15 AMP 12IN DOUBLE BEVEL SLIDING COMPOUND MITER SAW W/STAND
XB136-07	2	CHOP SAW	DEWALT	D28710	14 IN ABRASIVE CHOP SAW
XB136-09	2	JIG SAW	DEWALT	DW317K	5.5 AMP JIG SAW KIT
XB136-10	2	SKILSAW	SKILSAW	SPT77W-22	15 AMP 7-1/4 IN WORM DRIVE WITH DIABLO BLADE
XB136-12	4	WORKBENCH ON CASTERS W/BRAKES	GLOBAL INDUSTRIAL	T9F183155A	72x36" WELDED MOBILE STEEL WORKBENCH WITH BRAKES
XB136-13**	1	TABLE SAW	RIGID	R4512	10" CAST IRON TABLE SAW

Y-OWNER FURNISHED OWNER INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
YB136-00	6	SHOP BROOMS	QUICKIE	24" PUSH BROOM AND ANGLE BROOM	SHOP BROOMS; PUSH AND UPRIGHT W/DUST PAN
YB136-01	8	EXTENSION CABLE	SJTW	10/3 SJTW YELLOW HEAVY DUTY 50' EXTENSION CORD	50' EXTENSION CORD WITH 15-AMP RATING
YB136-02	4	CROWBAR	CRAFTSMAN	MODEL 37346	24 IN GOOSENECK BAR
YB136-03	4	DRILL	DEWALT	DW235G	7.8 AMP 1/2 IN VARIABLE SPEED REVERSING DRILL
YB136-04	2	'HOLE HAWG' DRILL	DEWALT	DWD460	1/2 VSR STUD AND JOIST DRILL WITH CLUTCH AND BIND-UP CONTROL SYSTEM
YB136-05	4	DRILL	DEWALT	DCD771C2	CORDLESS LITHIUM-ION 1/2IN DRIL W/20V CHARGER
YB136-06	1	FLOOR MOCK	CUSTOM	FLOOR MOCK	CUSTOM FLOOR MOCK TO SIMULATE OF RAISED FLOOR PLATFORM, SIMILAR TO CRAFT CERTIFICATION BOOTHS
YB136-07	1	LADDER	WERNER	NXT1A10	10' FIBERGLASS LADDER
YB136-08	1	LADDER	WERNER	NXT1A06	6' FIBERGLASS LADDER
YB136-09	4	LEVEL	DEWALT	DWHT43003 / DWHT43224	9" / 24" TORPEDO LEVELS, NON-MAGNETIC
YB136-10	4	AIR NAILER	DEWALT	DW325PL	21 DEGREE PLASTIC COLLATED FRAMING NAILER
YB136-11	2	SHOP VAC	RIGID	WD1270	12 GALLON 5 PHP WET/DRY VACUUM W/VF5000 FILTER
YB136-12	4	FLAT SHOVEL	HDX	MODEL 2531400	28 IN D-HANDLE GARDEN SPADE
YB136-13	2	SLEDGEHAMMER	NUPLA	MODEL 27083	8LBS DOUBLE-FACE SLEDGE HAMMER WITH 24 IN FIBERGLASS HANDLE
YB136-14	4	BENCH VISE	CRAFTSMAN	BENCH VISE	6 IN BENCH VISE TO ATTACH TO WORK TABLE
YB136-15	2	WHEELBARROW	TRUE TEMPER	CSORUT14	6 CU FT WHEELBARROW WITH STEEL HANDLES AND FLAT FREE TIRE
YB136-16	7	CUSTOM DUST TABLE	CUSTOM	WOODWORKING TABLE TO SERVICE ALL MOUNTABLE SAWS	ABLE TO MOUNT DUSTCOLLECTOR AND SAWS TO STATION

ELECTRICAL / GREEN TECHNOLOGY - BAY 7

X-CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XB152-00	5	TOOL PEG BOARD	ULINE	H-2684	48"x24" PEG BOARD STARTER KIT WITH 'VISUAL WORKPLACE INC' SHADOW-MARK TOOL SHADOW TAPE OR EQUIVALENT
XB152-01	2	WALL SHELVING	ULINE	H-4876	16-GAUGE ALUMINUM WALL MOUNT SHELVING 48x12x12 (WDH)
XB152-05	2	MATERIAL RACK	EASY RACK	4 144" HEAVY CANTILEVER RACK (HU-C-12-II) W/ 48" HEAVY CANTILEVER RACK ARMS (HSA-C-II)	STORAGE RACK TO STOCK RAW MATERIAL
XB152-07	5	WORKBENCH ON CASTERS W/BRAKES	GLOBAL INDUSTRIAL	T9F183155A	72x36" WELDED MOBILE STEEL WORKBENCH WITH BRAKES

★ USE SHOWN OR APPROVED EQUAL.

★★ ENHANCEMENT #15. SEE SHEET G001

WELDING - BAY 5

X-CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XB135-00	1	MATERIAL RACK	EASY RACK	4 144" HEAVY CANTILEVER RACK (HU-C-12-II) W/ 48" HEAVY CANTILEVER RACK ARMS (HSA-C-II)	STORAGE RACK TO STOCK RAW MATERIAL
XB135-01	5	TOOL PEG BOARD	ULINE	H-2684	48"x24" PEG BOARD STARTER KIT WITH 'VISUAL WORKPLACE INC' SHADOW-MARK TOOL SHADOW TAPE OR EQUIVALENT
XB135-02	8	WELDING BOOTH	WESTWARD	22RP04	SIMILAR TO WELDING BOOTH KIT SUCH THAT EACH BOOTH HAS 2, 6X6 WELDING SCREENS AND 1 6X6 WELDING CURTAINS WITH 1" STEEL CURTAIN ROD BETWEEN EACH WELDING SCREEN; TOTAL OF 9 SCREENS, 8 CURTAINS
XB135-03	8	CYLINDER CART	GLEASON INDUSTRIAL	MODEL 40756	18x27.5x43 (LWH) RED STEEL 2 CYLINDER CART W/ 10"x20" PLATE
XB135-04	2	PLASMA CUTTER	THERMAL DYNAMICS	CUTMASTER 42	PLASMA CUTTER SYSTEM 40 AMP, SL40, 75 DEG HEAD, 15FT LEADS 120/230/1/60
XB135-05**	1	LATHE	JET	4 GHB-1340A	LATHE WITH STAND
XB135-06	2	WALL SHELVING	ULINE	H-4876	16-GAUGE ALUMINUM WALL MOUNT SHELVING 48x12x12 (WDH)
XB135-07	1	SAW	JET 4	HBS-916W	BAND SAW METALWORKING
XB135-08	1	INSTRUCTOR TABLE	MILLER	S-SERIES ARCSTATION 60S	INSTRUCTOR WORKBENCH WITH INTEGRATED CASTERS, VISE, AND WELD CURTAIN
XB135-09	2	TABLE	EASTWOOD	MODEL 14142	SLOTTED TABLE WITH 23 REPLACEABLE SLATS
XB135-10	8	WORKBENCH	GLOBAL INDUSTRIAL	T9F579313	48x36" WELDED STEEL WORKBENCH
XB135-11	2	TIG WELDER	MILLER	MAXSTAR 150 STL	230/60/1 TIG WELDER W/CART
XB135-12	8	STICK WELDER	MILLER	MAXSTAR 150 S	230/60/1 STICK WELDER W/CART
XB135-13	2	MIG WELDER	MILLER	MILLERMATIC 190	230/60/1 MIG WELDER W/CART
XB135-14	1	PORTABLE EXTRACTION	MILLER	FILTAIR MWX	SELF CONTAINED MOBILE FUME HOOD WITH DISPOSABLE FILTER FOR INSTRUCTOR WITH CART
XB135-15**	4	WORKBENCH ON CASTERS W/BRAKES	GLOBAL INDUSTRIAL	T9F183155A	72x36" WELDED MOBILE STEEL WORKBENCH WITH BRAKES
XB135-16	8	ACETYLENE OUTFIT KIT	VICTOR	JOURNEYMAN	HEAVY DUTY ACETYLENE BRAZING, WELDING, AND CUTTING OUTFIT

Y-OWNER FURNISHED OWNER INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
YB135-02	10	HELMET	MILLER	MODEL 251292	CLASSIC SERIES BLACK WELDING HELMETS WITH AUTO DARKENING, VARIABLE SHADE, ADJUSTABLE SENSITIVITY
YB135-04	8	WELD PLIERS	CHANNELLOCK	MODEL 360	9" WELDER'S PLIERS
YB135-05	8	TOOLS	ATLAS	AT-A	1-1/4 LB HEAD CHISEL AND BRUSH WELDERS HAMMER
YB135-06	8	TOOLS	LOCKJAW	11" C CLAMP	11 INCH C-CLAMP SELF ADJUSTING LOCKING PLIERS
YB135-07	4	BENCH VISE	CRAFTSMAN	BENCH VISE	6 IN BENCH VISE TO ATTACH TO WORK TABLE
YB135-08	4	PORTABLE VISE	RIGID	MODEL 425	PORTABLE TRI STAND VISE WITH QUICK GRAB

ELECTRICAL / GREEN TECHNOLOGY - BAY 7

Y-OWNER FURNISHED OWNER INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
YB152-00	SEE DESCRIPTION	SOLAR MOCK	CUSTOM	SOLAR PANEL MOCK	CUSTOM SOLAR PANEL MOCK TO SIMULATE MECHANICS OF SOLAR, SIMILAR TO TRADE MOCKS, QUANTITY DETERMINED BY OWNER NEED
YB152-01	SEE DESCRIPTION	ELECTRIC MOCK	CUSTOM	ELECTRIC MOCK	VARIOUS CUSTOM ELECTRICAL MOCK TO SIMULATE MECHANICS OF ELECTRIC WIRING, SIMILAR TO CRAFT CERTIFICATION BOOTHS; QUANTITY DETERMINED BY OWNER NEED
YB152-13	5	BENCH VISE	CRAFTSMAN	BENCH VISE	6 IN BENCH VISE TO ATTACH TO WORK TABLE

★ USE SHOWN OR APPROVED EQUAL.

★★ ENHANCEMENT #15. SEE SHEET G001

SHEET METAL - BAY 6

X-CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XB129-00	5	TOOL PEG BOARD	ULINE	H-2684	48"x24" PEG BOARD STARTER KIT WITH 'VISUAL WORKPLACE INC' SHADOW-MARK TOOL SHADOW TAPE OR EQUIVALENT
XB129-01	2	WALL SHELVING	ULINE	H-4876	16-GAUGE ALUMINUM WALL MOUNT SHELVING 48x12x12 (WDH)
XB129-03	1	FINGER BRAKE	DI-ARCO	MODEL 24	2' FINGER BRAKE WITH LEVERS
XB129-04	1	ACID CABINET	GLOBAL INDUSTRIAL	WG2404969	ACID CORROSIVE CABINET - MANUAL CLOSE SINGLE DOOR 12 GALLON
XB129-06	6	GRINDER	DEWALT	D28402W	10-AMP 4-1/2 IN SMALL ANGLE GRINDER
XB129-07	1	HAND ROLL	JET	SR-2024M	2' MOUNTABLE HAND ROLL WITH UP TO 20 GAUGE, 24IN CAPACITY
XB129-08	4	HAND SHEAR	INGERSOLL RAND	7812G	PNEUMATIC HAND SHEARS DESIGNED UP TO 20 GAUGE
XB129-09	1	STOMP SHEAR	JET	FS-1652H	52x16 GAUGE FOOT SHEAR SHEAR IDEAL FOR PRECISION SHEARING UP TO 16 GAUGE
XB129-10	1	MATERIAL RACK	EASY RACK	4 144" HEAVY CANTILEVER RACK (HU-C-12-II) W/ 48" HEAVY CANTILEVER RACK ARMS (HSA-C-II)	STORAGE RACK TO STOCK RAW MATERIAL
XB129-11**	10	WORKBENCH ON CASTERS W/BRAKES	GLOBAL INDUSTRIAL	T9F183155A	72x36" WELDED MOBILE STEEL WORKBENCH WITH BRAKES
XB129-12	2	RESIN TABLE	NATIONAL PUBLIC SEATING	SLT SERIES	WORK TABLE, RESIN, 30" W x72" L x36" H, CHEMICAL AND WATER RESISTANT
XB129-13	2	FLAME POT	JOHNSON	FURNACE 101	BENCH FLAME POT FOR SOLDERING (LPG) TO SERVE RESIN TABLES FOR SOLDERING
XB129-15	2	TOOLS	SIEVERT	SIK1-10	PROPANE SOLDERING KIT W/4FT HOSE

Y-OWNER FURNISHED OWNER INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER	MODEL	DESCRIPTION
YB129-00	6	ANGLE GRINDER HEADS	DEWALT	ANGLE GRINDER HEADS	CUT OFF AND ABRASIVE 4.5 IN
YB129-01	6	TOOL SET	CRAFTSMAN	ASSORTED TOOLS	BASIC STUDENT SET; SEE SPECS FOR TOOL LIST, MODELED AFTER SHEET METAL UNION LIST
YB129-02	4	HAND IRON	SIEVERT	#1, #3, #5	COPPER HAND SOLDERING IRON
YB129-03	8	BENCH VISE	CRAFTSMAN	BENCH VISE	6 IN BENCH VISE TO ATTACH TO WORK TABLE

PLUMBING - BAY 8

X-CONTRACTOR FURNISHED CONTRACTOR INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
XB155-00	1	BEVELING MACHINE	H&M	MODEL1	PIPE CUTTING AND BEVELING MACHINE SADDLE TYPE
XB155-01	5	TOOL PEG BOARD	ULINE	H-2684	48"x24" PEG BOARD STARTER KIT WITH 'VISUAL WORKPLACE INC' SHADOW-MARK TOOL SHADOW TAPE OR EQUIVALENT
XB155-02	2	WALL SHELVING	ULINE	H-4876	16-GAUGE ALUMINUM WALL MOUNT SHELVING 48x12x12 (WDH)
XB155-04	1	DRILL PRESS	DAYTON	5RHC1	1-1/2 MOTOR HP FLOOR DRILL PRESS
XB155-06	2	MATERIAL RACK	EASY RACK	4 144" HEAVY CANTILEVER RACK (HU-C-12-II) W/ 48" HEAVY CANTILEVER RACK ARMS (HSA-C-II)	STORAGE RACK TO STOCK RAW MATERIAL
XB155-08	1	CHOP SAW	DEWALT	D28710	14 IN ABRASIVE CHOP SAW
XB155-09	2	SAW	MILWAUKEE	MODEL 6226	6-AMP PORTABLE BAND SAW
XB155-11**	5	WORKBENCH ON CASTERS W/BRAKES	GLOBAL INDUSTRIAL	T9F183155A	72x36" WELDED MOBILE STEEL WORKBENCH WITH BRAKES

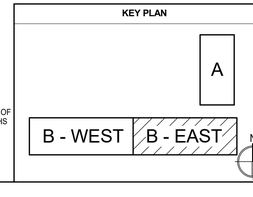
Y-OWNER FURNISHED OWNER INSTALLED

EQ NO.	QTY	TYPE	MANUFACTURER*	MODEL*	DESCRIPTION
YB155-00	4	SCISSOR CUTTER	RIGID	RC-1625	RATCHET CUTTERS WITH ERGONOMIC GRIPS
YB155-01	4	PIPE CUTTER	RIGID	466-S	MANUAL STEEL PIPE CUTTER 4-6"
YB155-02	4	PIPE CUTTER	RIGID	424-S	MANUAL STEEL PIPE CUTTER 2-4"
YB155-03	4	ANGLE DRILL	DEWALT	DW120K	1/2" RIGHT ANGLE DRILL KIT
YB155-04	4	DRILL	DEWALT	DW235G	7.8 AMP 1/2 IN VARIABLE SPEED REVERSING DRILL
YB155-05	4	SAW SET	RIGID	E0102057	13-PIECE HOLE SAW SET
YB155-06	4	CHAIN VISE	RIGID	BC610	BENCH CHAIN VISES TO ATTATCH TO WORK TABLE
YB155-07	4	THREADER	RIGID	31-A NPT	THREE WAY PIPE THREADER
YB155-08	5	TOOL SET	CRAFTSMAN	ASSORTED TOOLS	BASIC STUDENT SET; SEE SPECS FOR TOOL LIST, MODELED AFTER PROSPEC APPRENTICE LIST
YB155-09	4	BENDER	RIGID	MODEL 310	LEVER BENDER; 300 SERIES PLUMBING BENDERS
YB155-10	2	PORTABLE VISE	RIGID	MODEL 425	PORTABLE TRI STAND VISE WITH QUICK GRAB
YB155-11	4	PORTABLE VISE	RIGID	MODEL 39	PORTABLE YOKE VISE
YB155-12	4	PLUMBING MOCK	CUSTOM	PLUMBING MOCK	CUSTOM PLUMBING MOCK TO SIMULATE MECHANICS OF PLUMBING, SIMILAR TO CRAFT CERTIFICATION BOOTHS
YB155-13	4	POWER THREADER	RIGID	690-I	HAND HELD POWER DRIVE FOR 1/8" TO 2"

★ USE SHOWN OR APPROVED EQUAL.

★★ ENHANCEMENT #15. SEE SHEET G001

KEY PLAN



LAST REVISION: 2/23/2017 2:47:14 PM

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Sacramento, CA. 95833
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LICENSED ARCHITECT GORDON W. ROGERS Exp. 3/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FURNITURE & EQUIPMENT PLAN - BLDG B - EAST

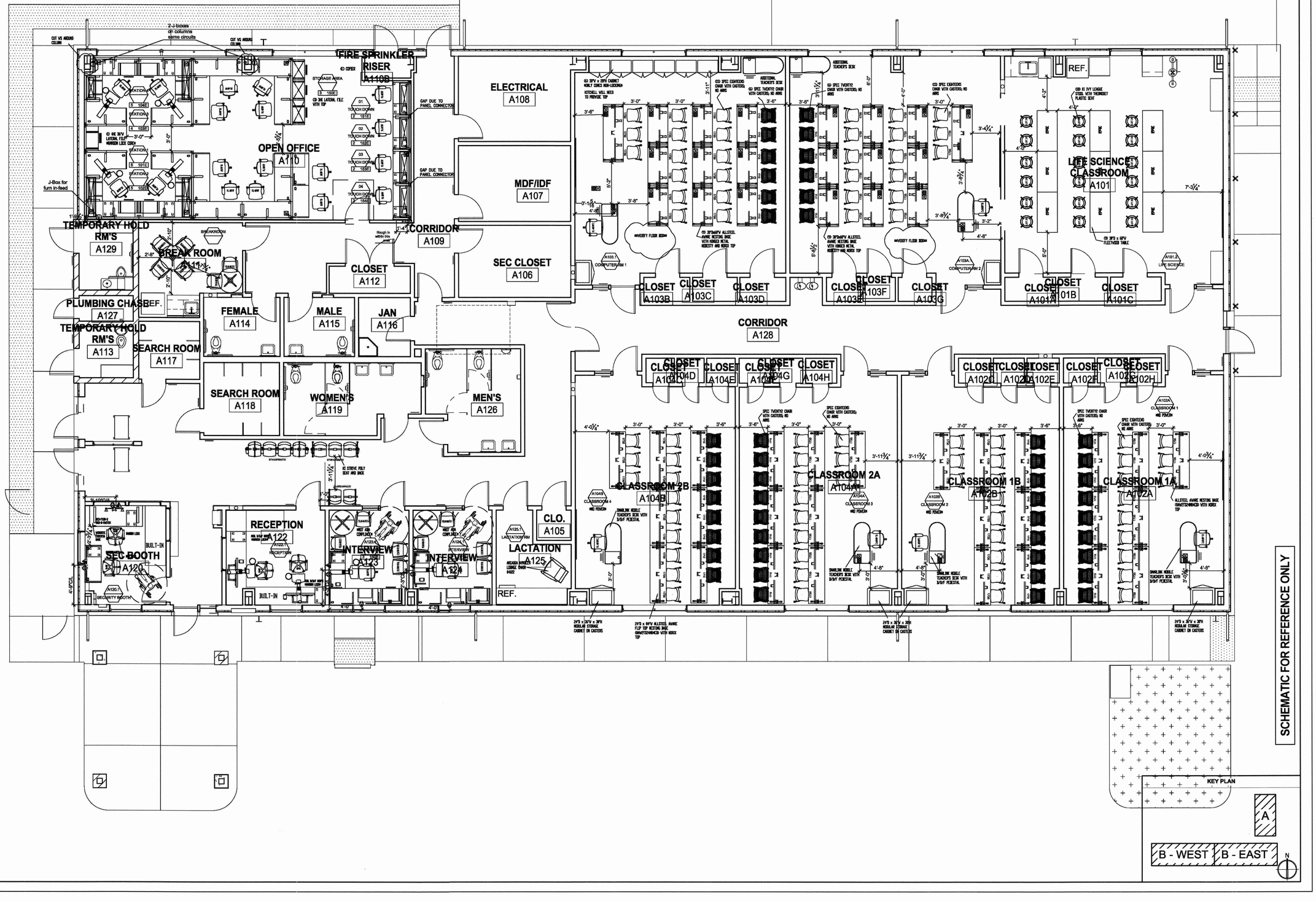
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REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017
2		
3		
5		
6		

JOB NO. 4907A3
DATE 11/9/2016
SHEET A253

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LAST REVISION: 11/8/2016 12:57:19 PM

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2450 Venture Oaks Way
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LICENSED ARCHITECT GORDON W. ROGERS Exp. 12/31/17 ARCHITECT STATE OF CALIFORNIA

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SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FURNITURE PLAN - BLDG A

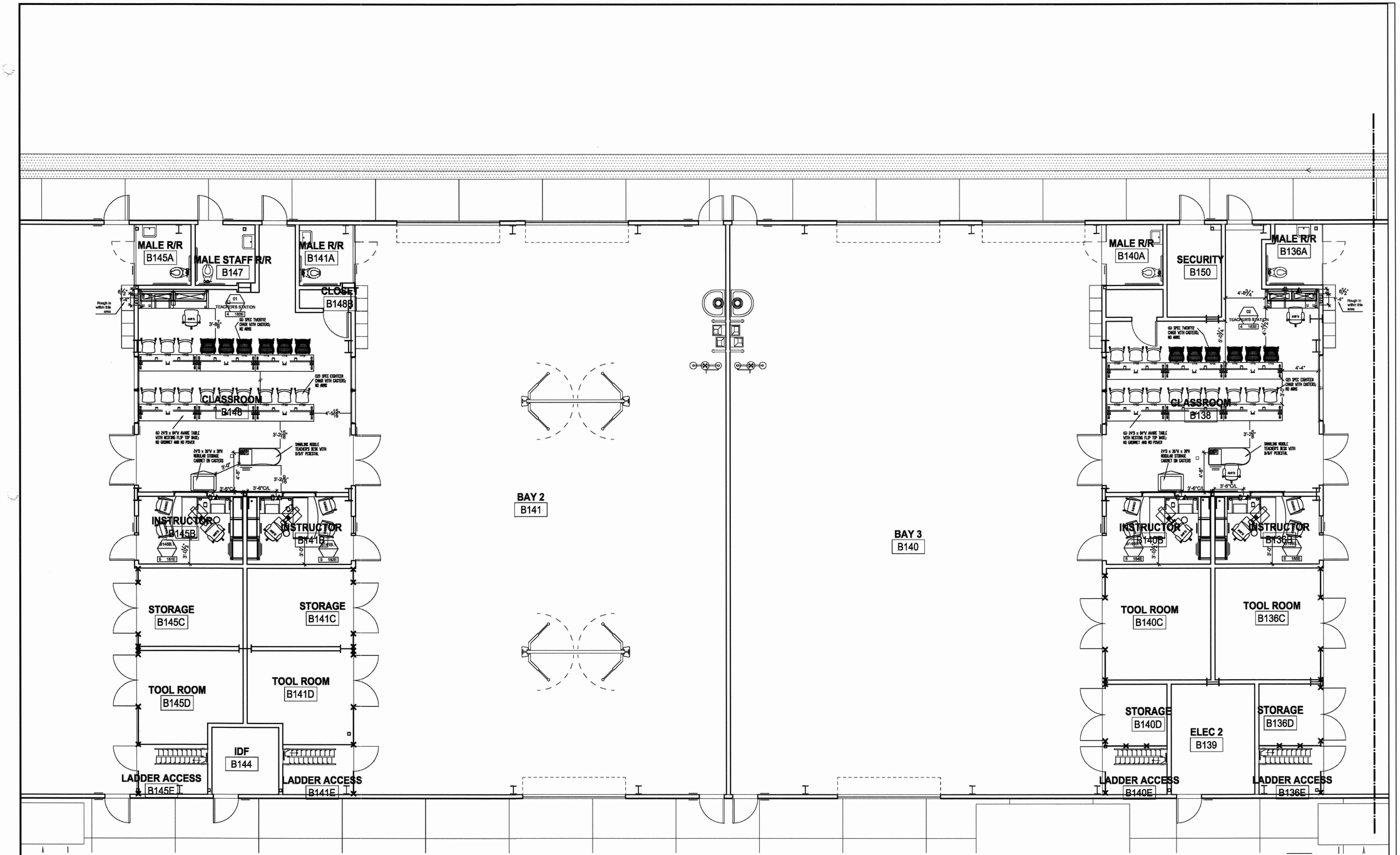
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REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A254**

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Exp. 8/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SCHEMATIC FOR REFERENCE ONLY

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2500 CLAY BANK ROAD
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SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FURNITURE PLAN - BLDG B - WEST

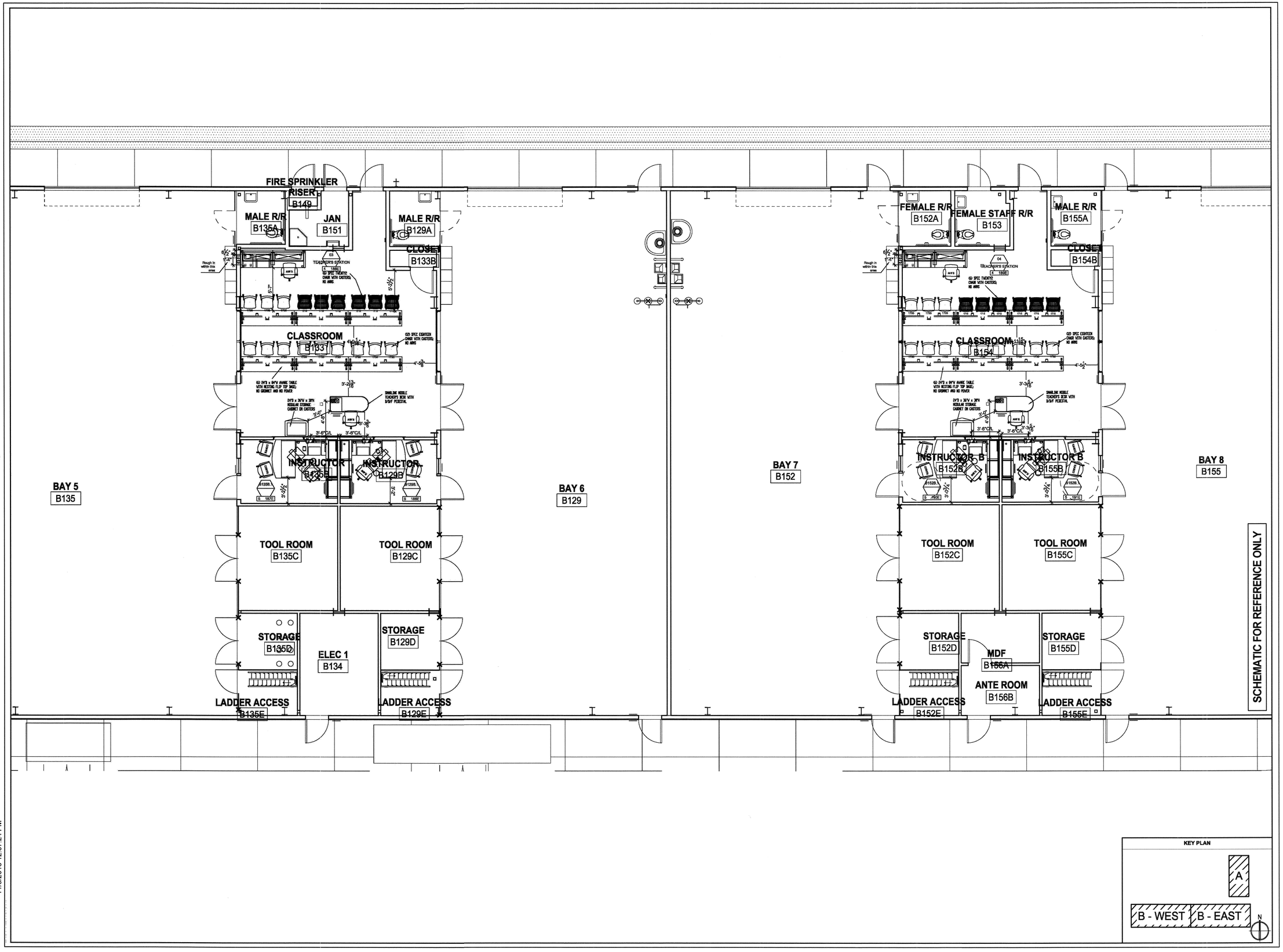
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REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A255**

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LAST REVISION: 11/9/2016 12:57:24 PM

KEY PLAN

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LICENSED ARCHITECT GORDON W. ROGERS EXP. 6/30/17 ARCHITECT STATE OF CALIFORNIA

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SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
FURNITURE PLAN - BLDG B - EAST

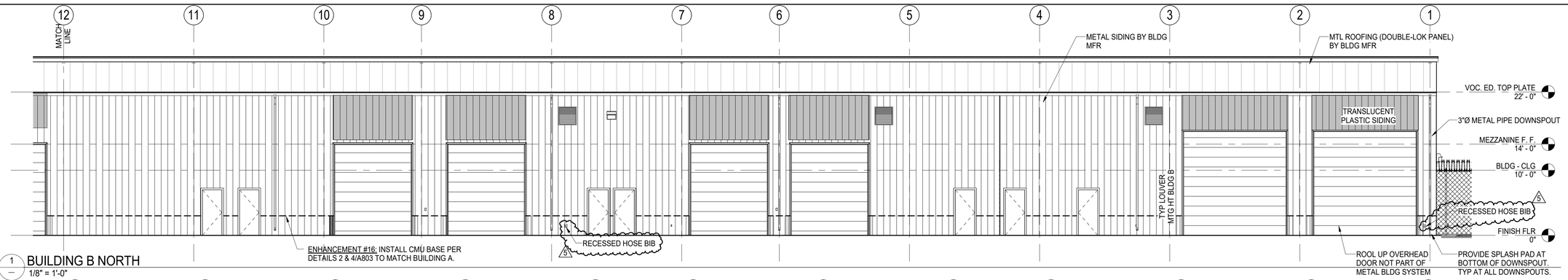
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REVISIONS

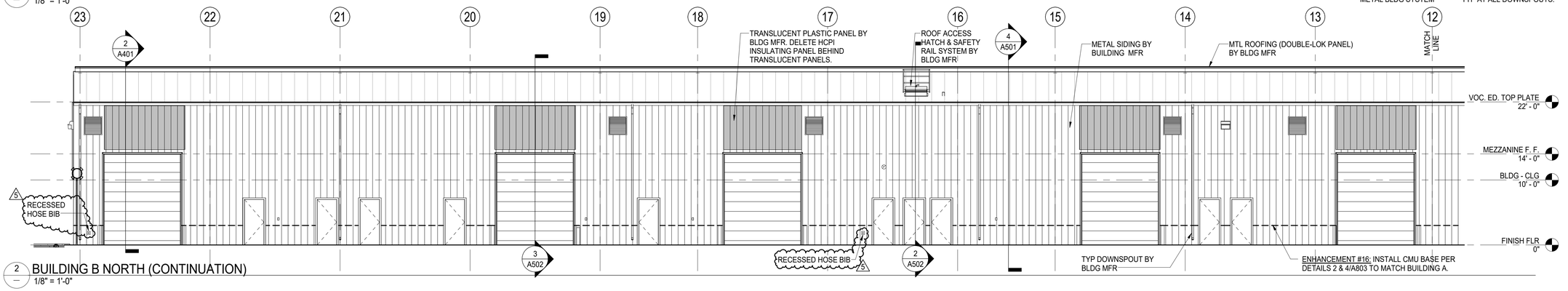
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET A256

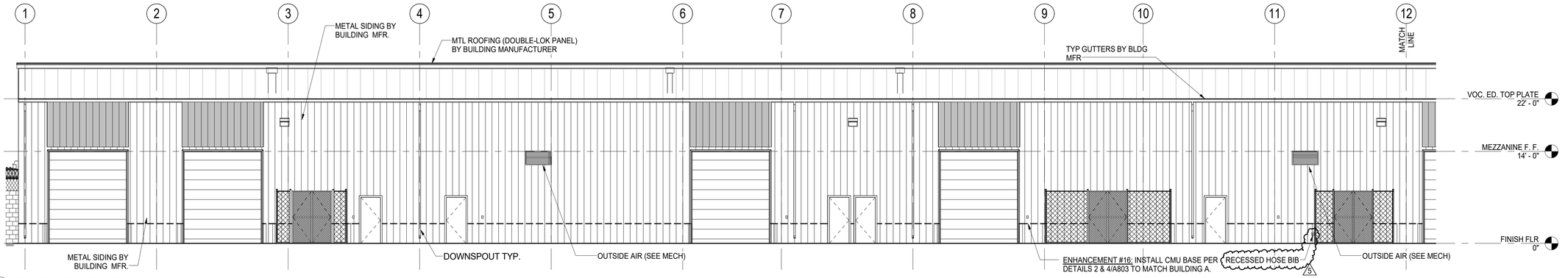
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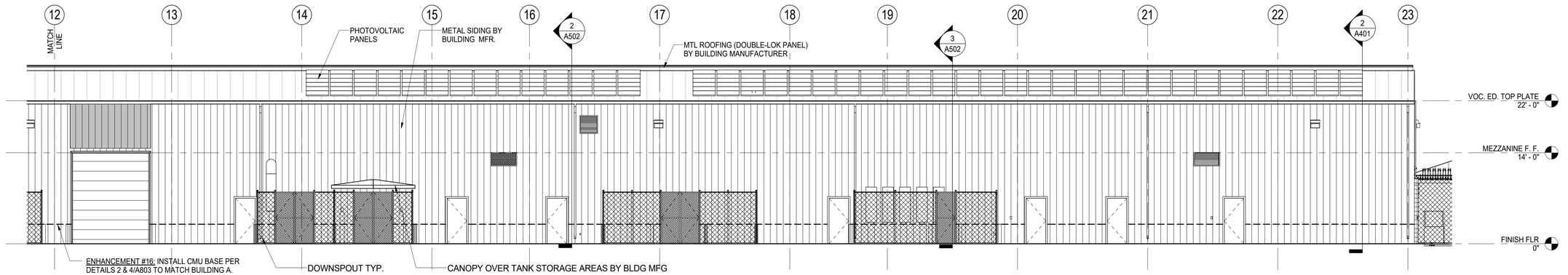
1 — BUILDING B NORTH
1/8" = 1'-0"



2 — BUILDING B NORTH (CONTINUATION)
1/8" = 1'-0"



3 — BUILDING B SOUTH
1/8" = 1'-0"



4 — BUILDING B SOUTH (CONTINUATION)
1/8" = 1'-0"

SEE SHEET A302 FOR BUILDING EXTERIOR MATERIALS AND COLORS PER CONSTRUCTION NOTES FOR BLDGS A & B.

LAST REVISION: 3/1/2017 12:07:41 PM

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 3/31/17 ARCHITECT STATE OF CALIFORNIA

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SOLANO COUNTY

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2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
EXTERIOR ELEVATIONS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

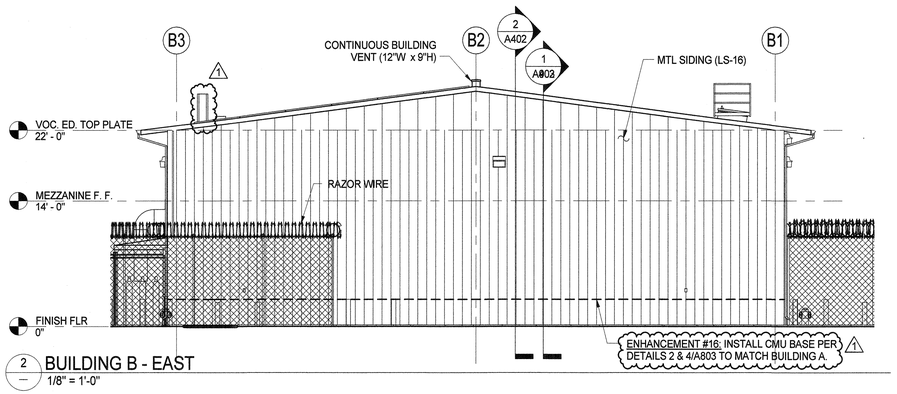
REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
5	ADDENDUM #5	3/1/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A301**

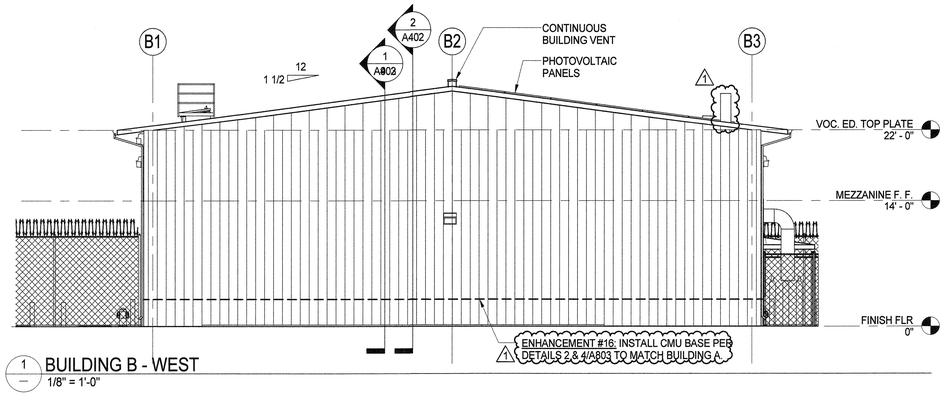
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Addendum 5



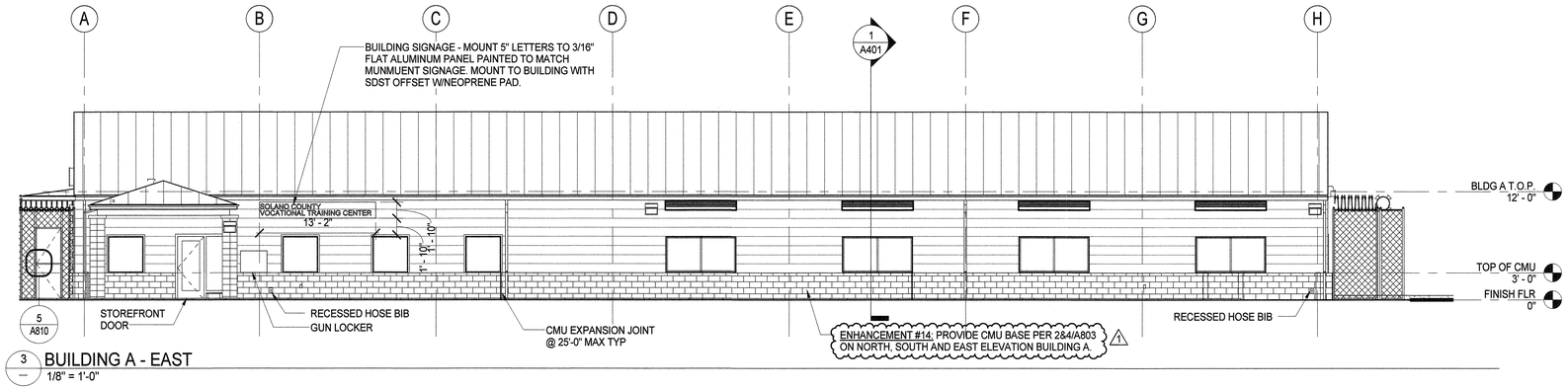
2 — 1/8" = 1'-0"

BUILDING B - EAST



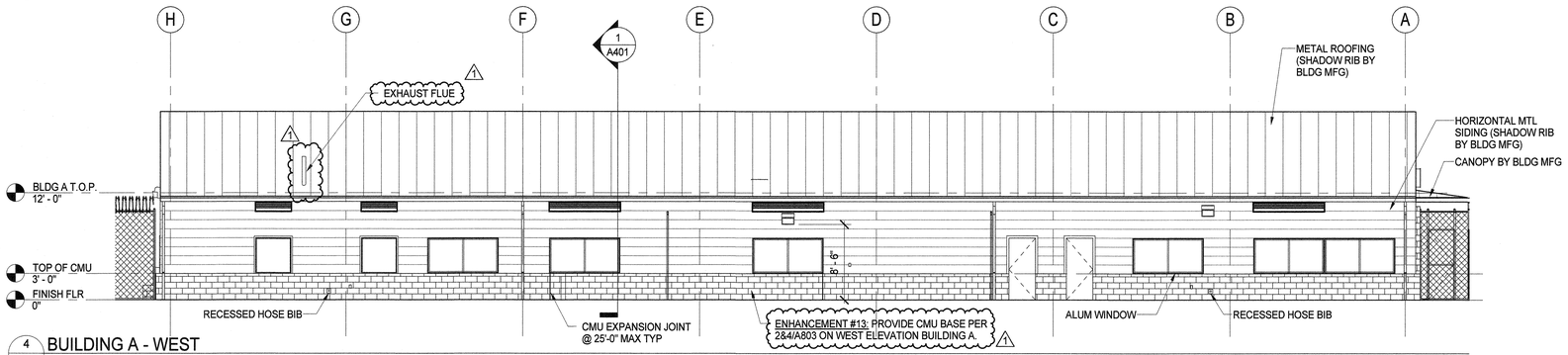
1 — 1/8" = 1'-0"

BUILDING B - WEST



3 — 1/8" = 1'-0"

BUILDING A - EAST



4 — 1/8" = 1'-0"

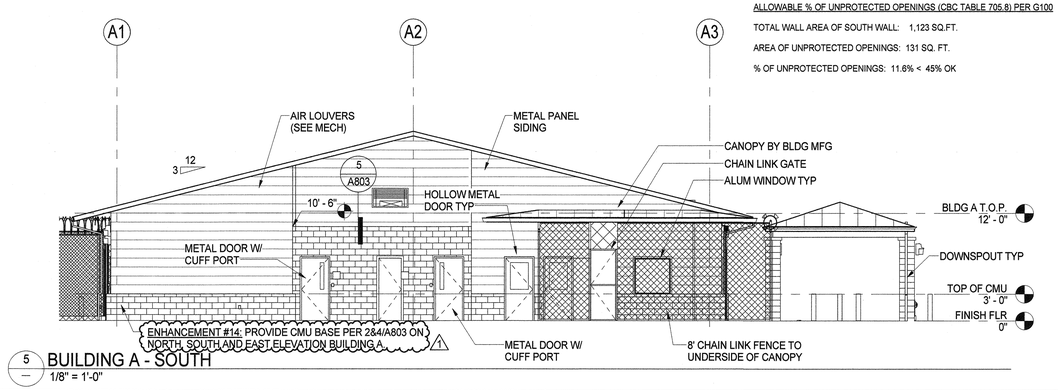
BUILDING A - WEST

ALLOWABLE % OF UNPROTECTED OPENINGS (CBC TABLE 705.8) PER G100

TOTAL WALL AREA OF SOUTH WALL: 1,123 SQ.FT.

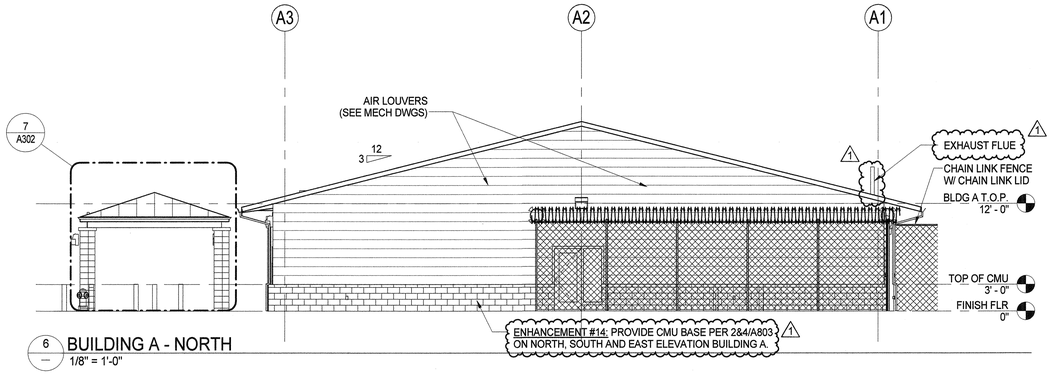
AREA OF UNPROTECTED OPENINGS: 131 SQ. FT.

% OF UNPROTECTED OPENINGS: 11.6% < 45% OK



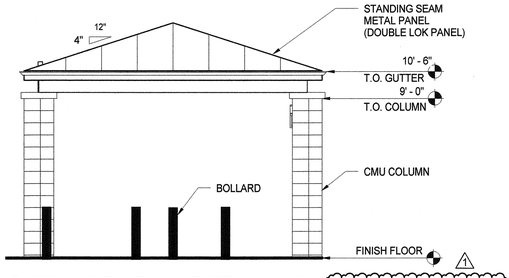
5 — 1/8" = 1'-0"

BUILDING A - SOUTH



6 — 1/8" = 1'-0"

BUILDING A - NORTH



7 — 1/4" = 1'-0"

PARTIAL ELEVATION - ENTRY CANOPY

CONSTRUCTION NOTES FOR BLDGS A & B:

1. PROVIDE CMU EXPANSION JOINTS MAX. 25' O.C AT CMU WALLS . REFER TO STRL DWGS FOR ADD'L INFO.
2. CMU GROUND/PRECISION BLOCK BASIS OF DESIGN. BASALITE 3-1/4" MIXED COLORS 375/505 TO MATCH EXISTING ADJACENT STANTON FACILITY PATTERN AND COLORS. PROVIDE WATER REPELLENT SEALER TO BLDG, TRASH ENCLOSURE, ENTRY CANOPY AND MONUMENT SIGN CMU.
3. ENTRY CANOPY ROOF BASIS OF DESIGN STAR BUILDING SYS - DOUBLE LOK PROFILE COLOR SILVER METALLIC.
4. PAINT EXPOSED STEEL AT ENTRY CANOPY TO MATCH ADJACENT BUILDING METAL WALL PANELS COLOR DESERT SAND.
5. EXTERIOR BUILDING METAL ROOF PANELS BASIS OF DESIGN, STAR BUILDING SYS - DOUBLE LOK PROFILE COLOR ALMOND.
6. EXTERIOR BUILDING METAL WALL PANELS BASIS OF DESIGN, METAL SALES FLUSH FACE SERIES TLC-9 PROFILE COLOR DESERT SAND. PROVIDE CONT ACCENT WALL PANEL BAND 2 ROWS AT BLDG A, START 8 FEET AFF COLOR COLONIAL RED.
7. EXTERIOR BUILDING DOOR AND WINDOW FRAMES - MATCH STAR BUILDING SYS COLOR COLONIAL RED.
8. EXTERIOR BUILDING ROLL-UP DOORS AND FRAMES, PAINT TO MATCH STAR BUILDING SYS COLOR ASH GRAY.
9. PAINT ALL RAIN WATER LEADER PIPES TO MATCH BUILDING METAL WALL PANELS COLOR DESERT SAND.
10. PAINT ALL RAIN WATER GUTTERS TO MATCH BUILDING COLOR COLONIAL RED.

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
EXTERIOR ELEVATIONS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

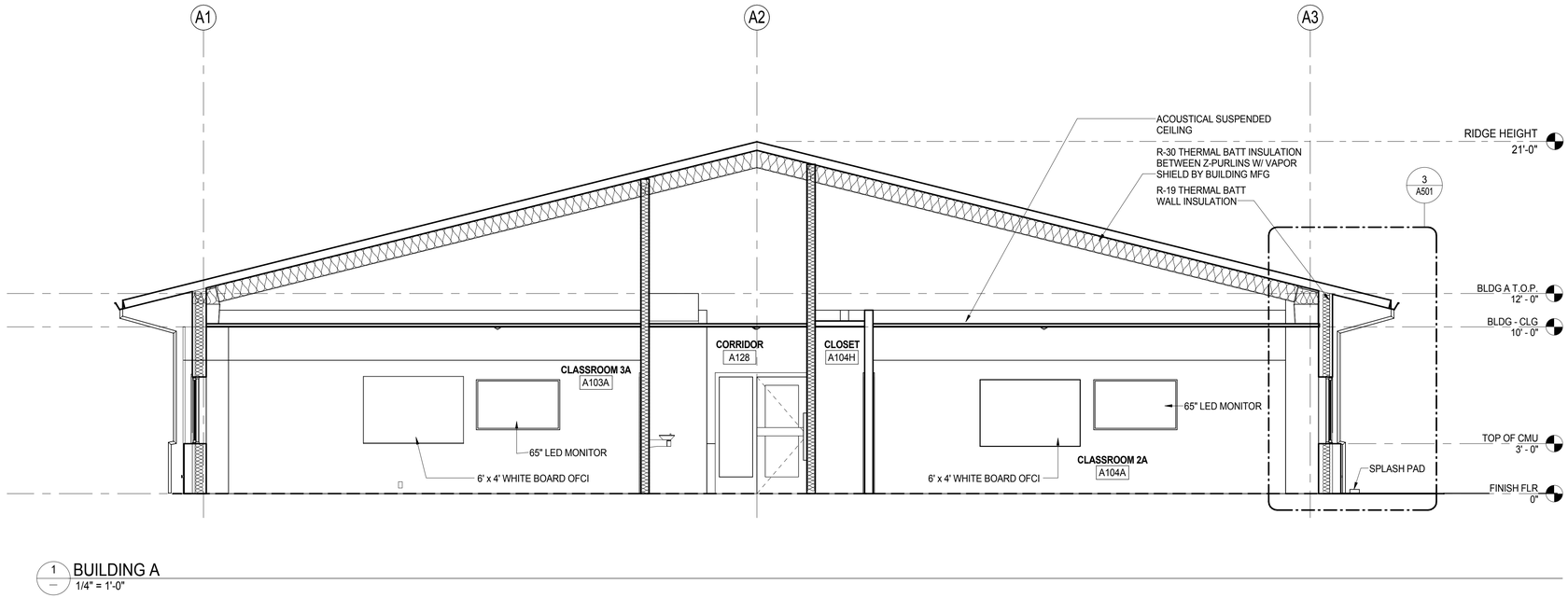
JOB NO. 4907A3

DATE 11/9/2016

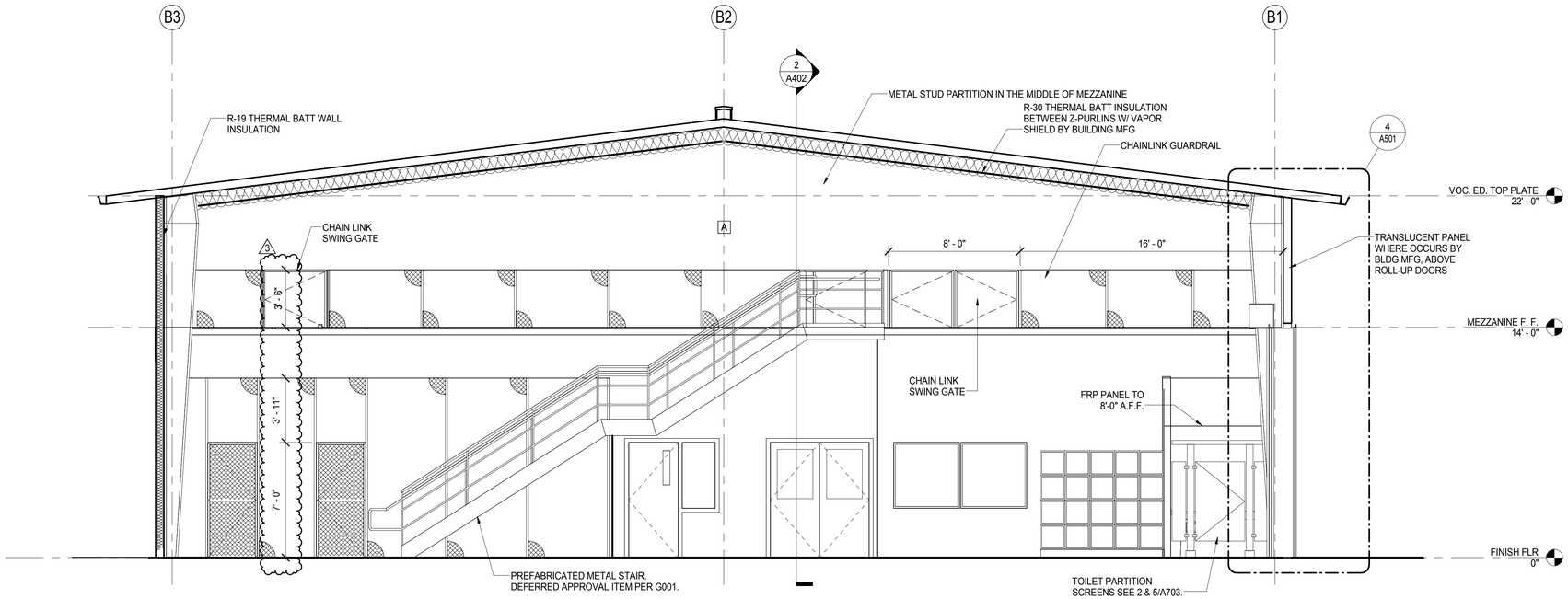
SHEET **A302**

LAST REVISION: 1/19/2017 4:03:50 PM

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1 — BUILDING A
1/4" = 1'-0"



2 — BUILDING B
1/4" = 1'-0"

LAST REVISION: 2/19/2017 9:48:50 AM

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Exp. 3/31/17
ARCHITECT
STATE OF CALIFORNIA

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SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
BUILDING SECTIONS

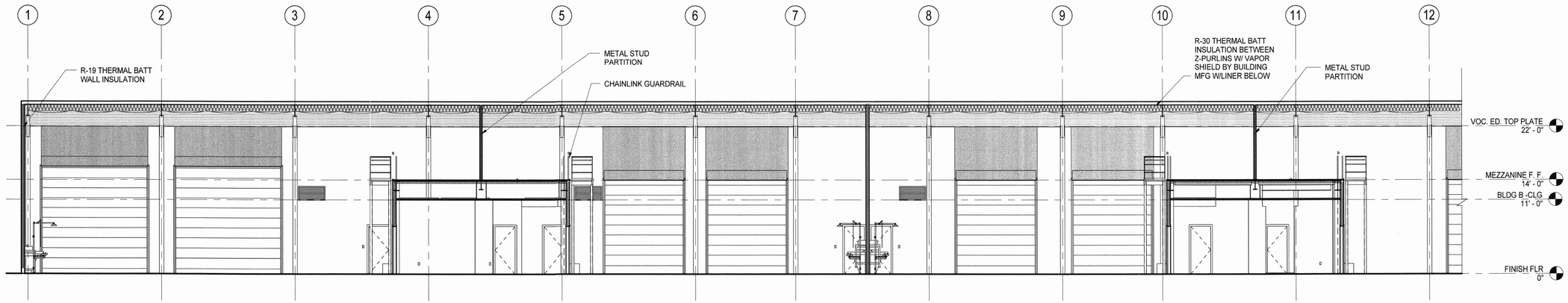
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REVISIONS

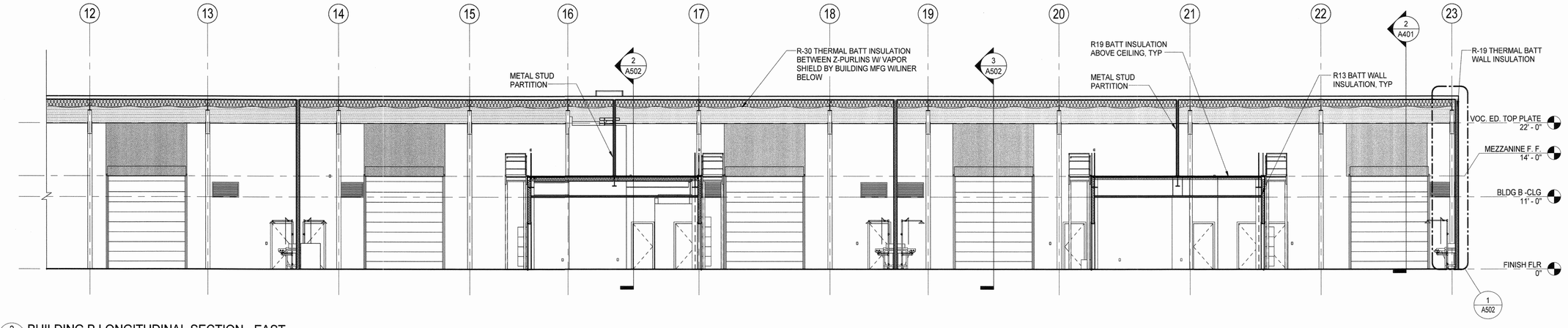
No.	Description	Date
3	ADDENDUM #3	2/21/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A401**

C:\Users\ringanga\Documents\CLAYBANK VOCED_ringanga.rvt



1 — BUILDING B LONGITUDINAL SECTION - WEST
1/8" = 1'-0"



2 — BUILDING B LONGITUDINAL SECTION - EAST
1/8" = 1'-0"

LAST REVISION: 11/8/2016 12:58:09 PM

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Reviewed by:

SOLANO COUNTY A.J.N.U.

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2500 CLAY BANK ROAD
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SOLANO COUNTY

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SHEET TITLE:
BUILDING SECTIONS

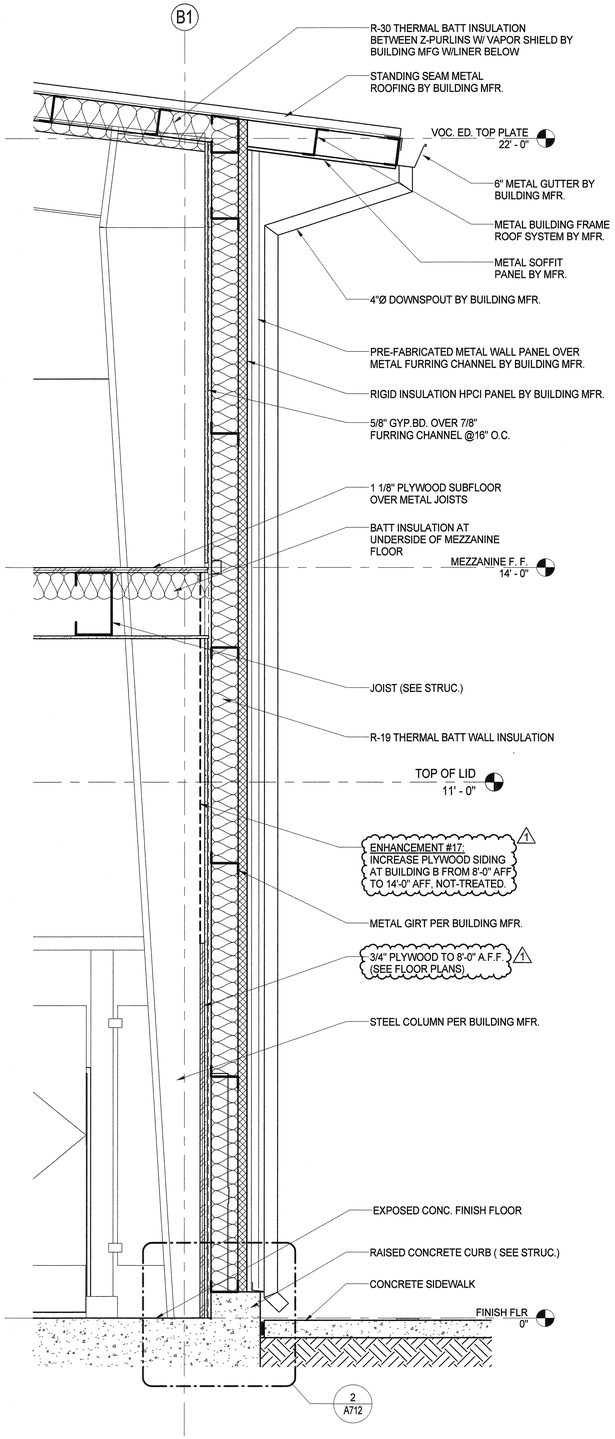
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REVISIONS

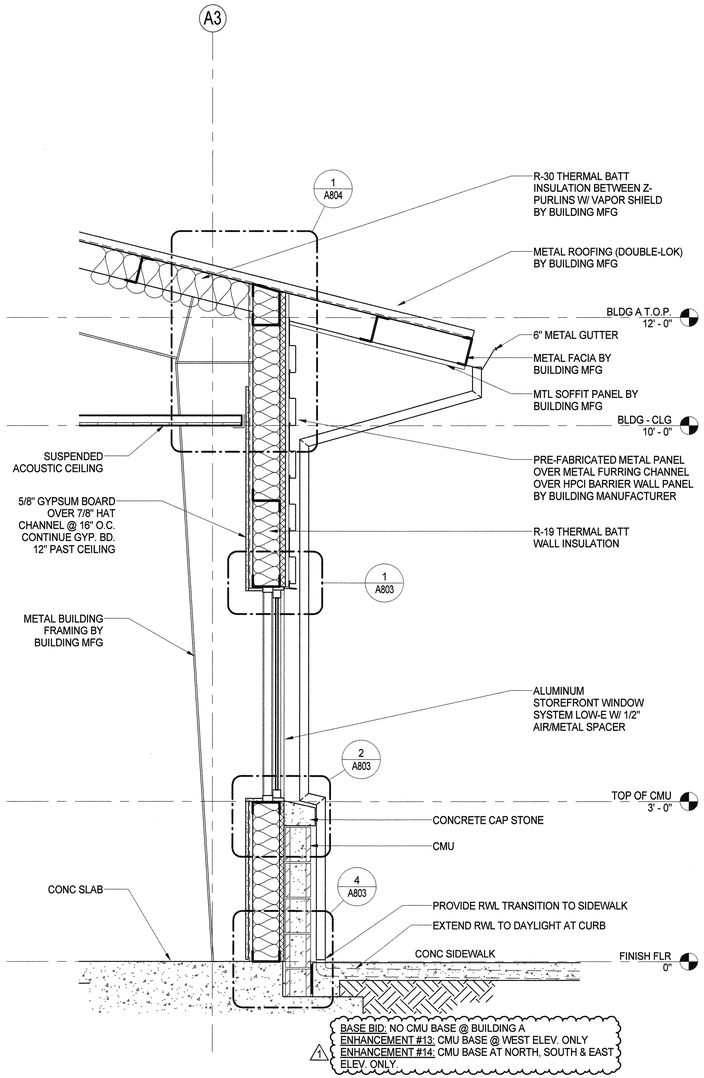
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET A402

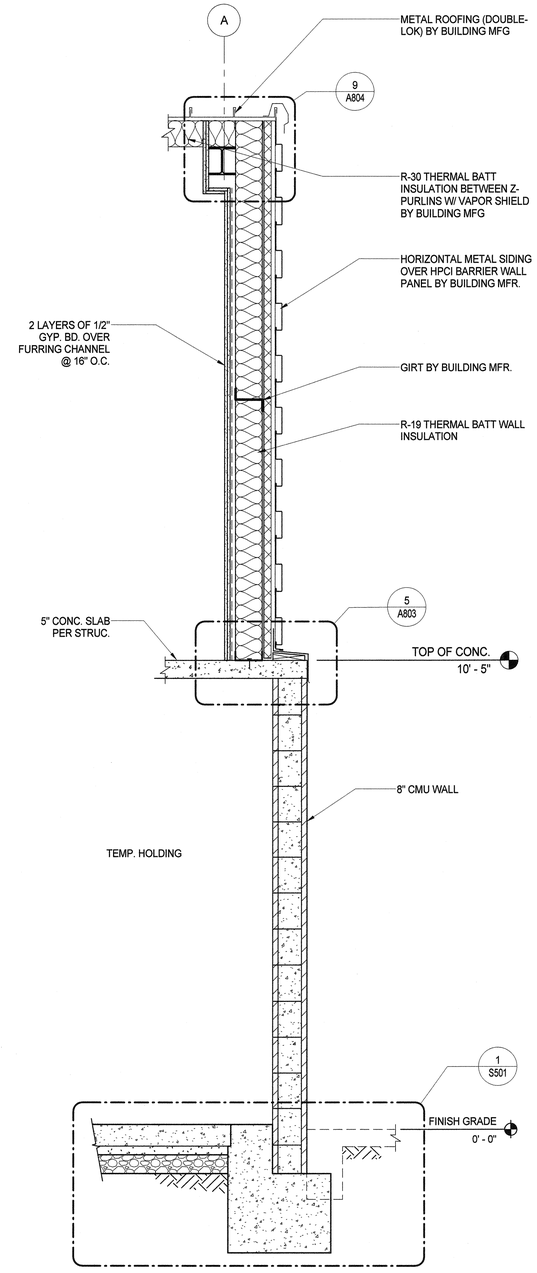
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4 — BUILDING B - WALL DETAIL AT OVERHANG/CANOPY @ TOILET
3/4" = 1'-0"



3 — BUILDING A - WALL DETAIL AT OVERHANG
3/4" = 1'-0"



1 — RAKE SECTION - BUILDING A SOUTH WALL
3/4" = 1'-0"

LAST REVISION: 1/19/2017 4:03:52 PM

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Reviewed by: 1/20/17

SOLANO COUNTY

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SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
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SHEET TITLE:
WALL SECTIONS

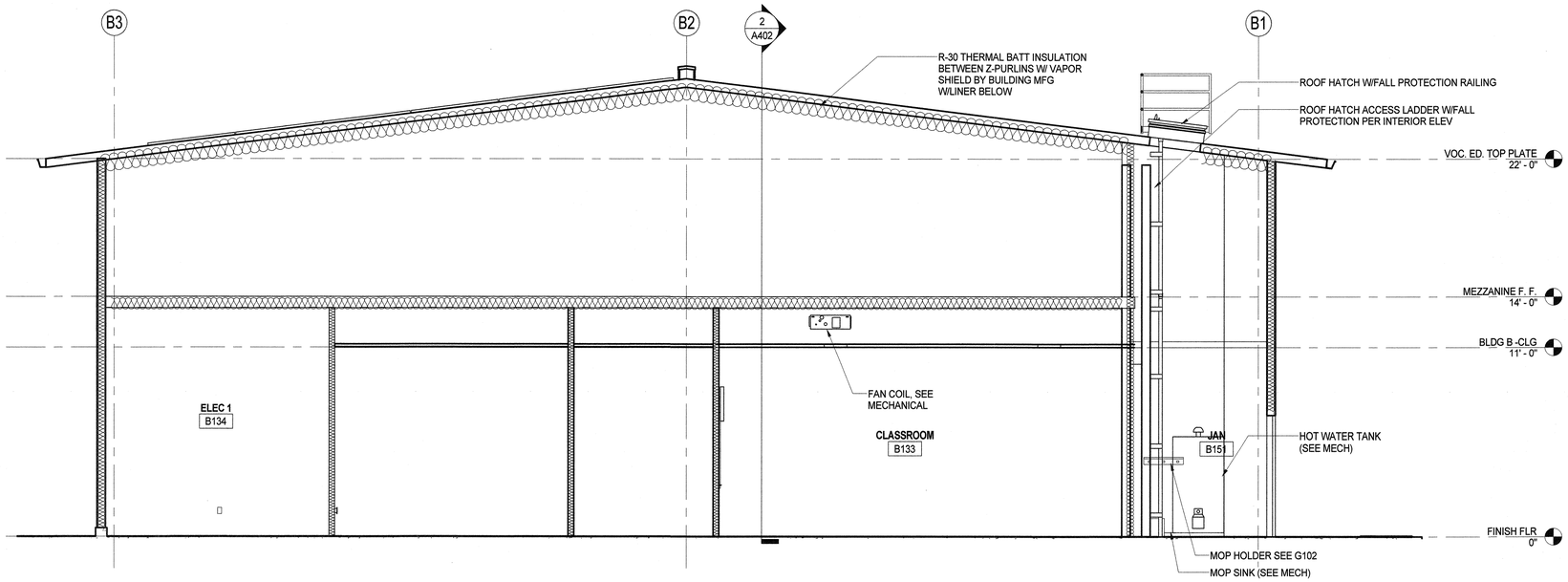
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REVISIONS

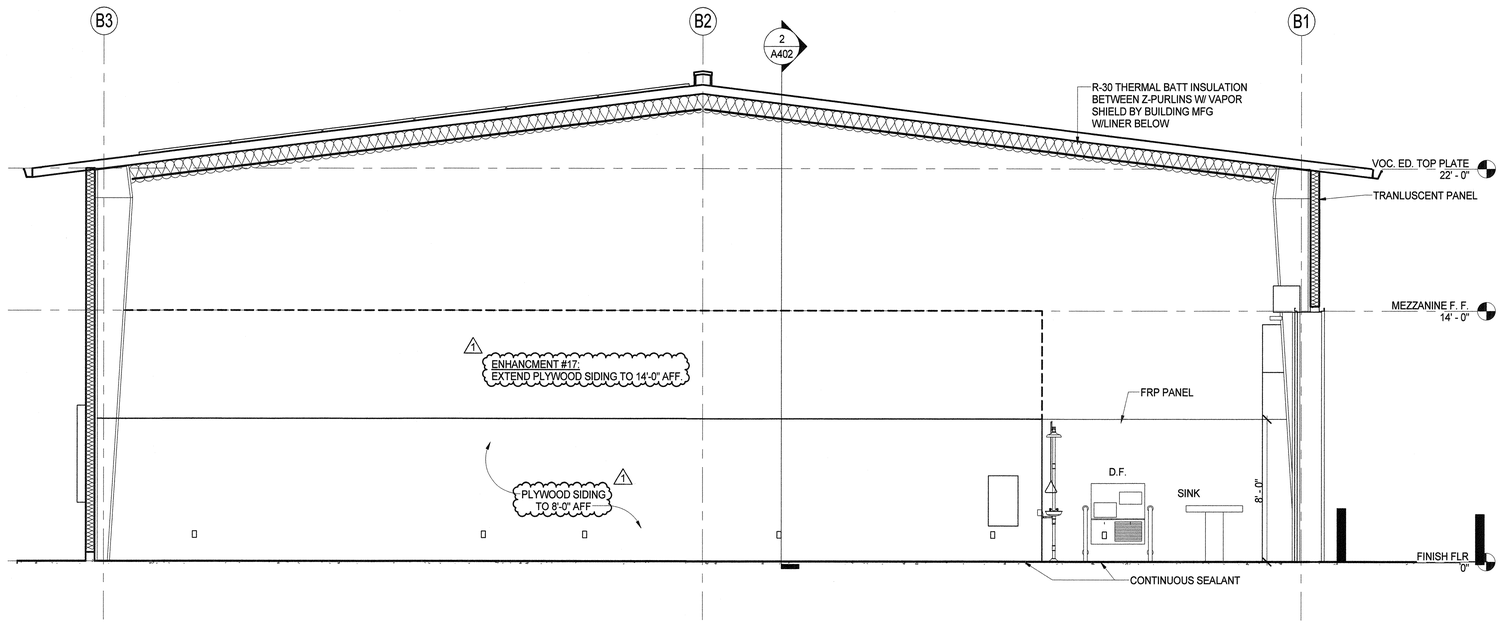
No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A501

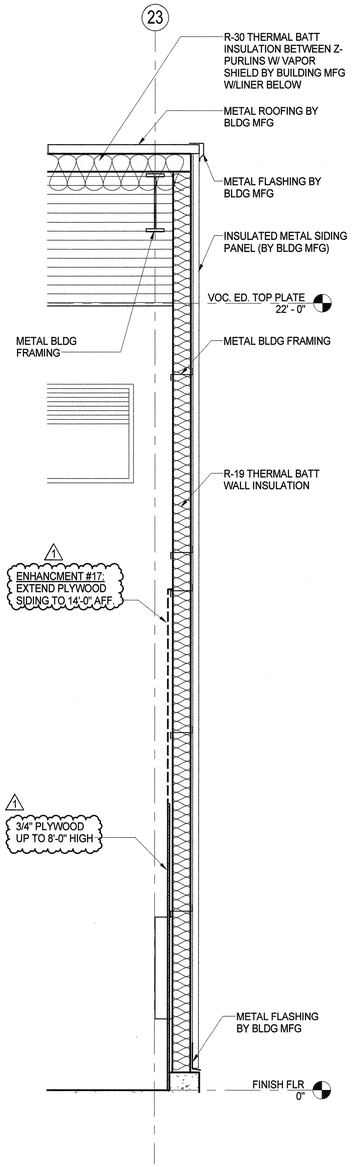
C:\BIM\CLAYBANK VOCED_agirmatija.rvt



2 — 1/4" = 1'-0"
BUILDING B TRANSVERSE SECTION @ GRID 16 LOOKING WEST



3 — 1/4" = 1'-0"
BUILDING B TRANSVERSE SECTION @ GRID 19 LOOKING WEST



1 — 1/2" = 1'-0"
BUILDING B RAKE WALL SECTION

LAST REVISION: 1/19/2017 4:03:54 PM

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Reviewed by: [illegible] 1/20/17

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FAIRFIELD, CA 94533
SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
WALL SECTIONS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

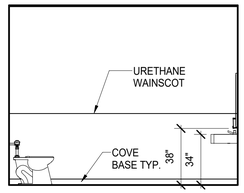
REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2		
3		
4		
5		
6		

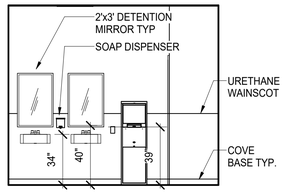
JOB NO. 4907A3
DATE 11/9/2016
SHEET **A502**

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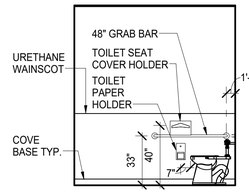
SEE DETAILS 1, 2, 3 SHEET G102 FOR TYPICAL FLOOR CLEARANCE REQUIRED, MOUNTING HEIGHTS AND TOILET ROOM ACCESSORIES SCHEDULE AS SHOWN ON THIS SHEET. FOR ENLARGED FLOOR PLAN DIMENSIONS SEE SHEET A210.



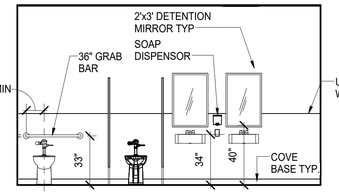
6 — MEN'S NORTH - A126
1/4" = 1'-0"



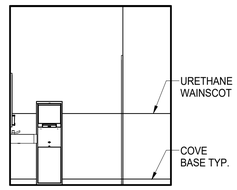
5 — MEN'S EAST - A126
1/4" = 1'-0"



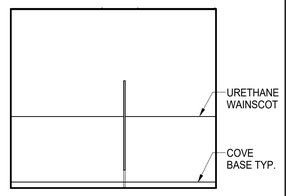
4 — WOMEN'S SOUTH -A119
1/4" = 1'-0"



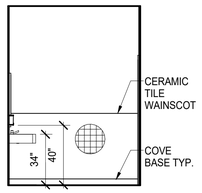
3 — WOMEN'S WEST - A119
1/4" = 1'-0"



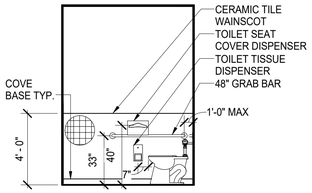
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1/4" = 1'-0"



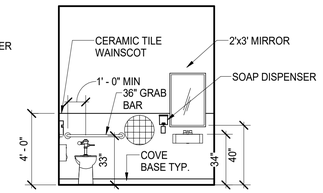
1 — WOMEN'S EAST - A119
1/4" = 1'-0"



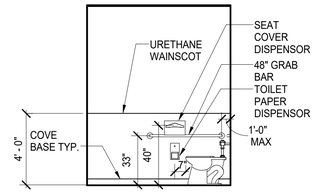
12 — MEN'S SOUTH- A115 - BLDG A
1/4" = 1'-0"



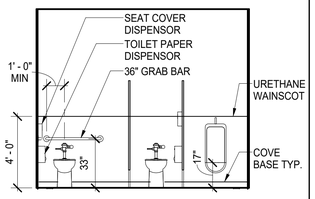
11 — MEN'S NORTH- A115 - BLDG A
1/4" = 1'-0"



10 — MEN'S EAST- A115 - BLDG A
1/4" = 1'-0"

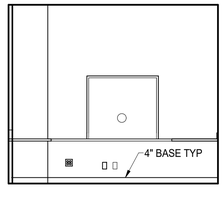


8 — MEN'S SOUTH - A126 - BLDG A
1/4" = 1'-0"

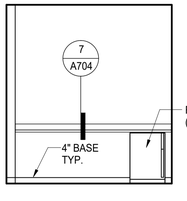


7 — MEN'S WEST - A126 - BLDG A
1/4" = 1'-0"

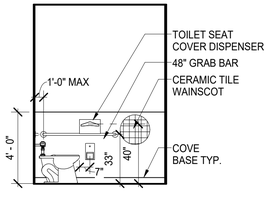
18 — CLASSROOM 1A NORTH - A102A - BLDG A
1/4" = 1'-0"



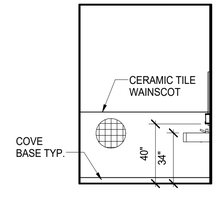
17 — RECEPTION SOUTH - BLDG A
1/4" = 1'-0"



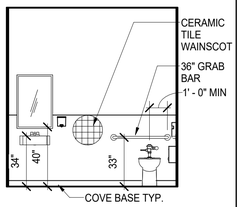
16 — LACTATION EAST - A-125
1/4" = 1'-0"



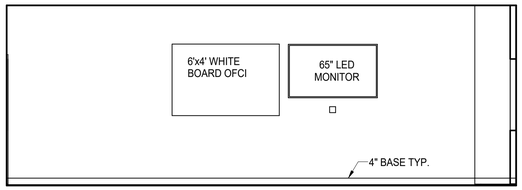
15 — WOMEN'S SOUTH- A114 - BLDG A
1/4" = 1'-0"



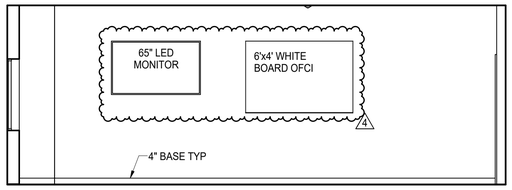
14 — WOMEN'S NORTH- A114 - BLDG A
1/4" = 1'-0"



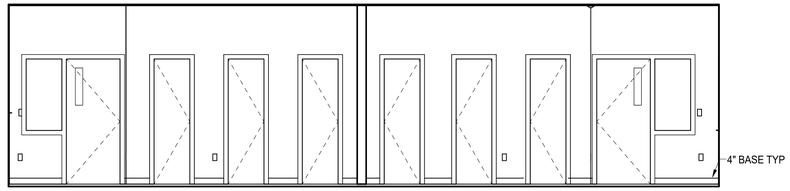
13 — WOMEN'S EAST- A114 - BLDG A
1/4" = 1'-0"



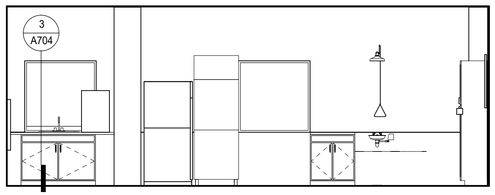
21 — CLASSROOM 2A NORTH - A104A - BLDG A
1/4" = 1'-0"



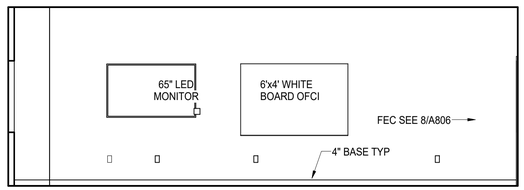
20 — CLASSROOM 1B SOUTH - A102B - BLDG A
1/4" = 1'-0"



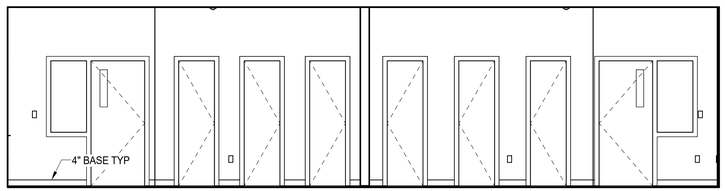
19 — CLASSROOM 1A & 1B WEST - A102A & A102B - BLDG A
1/4" = 1'-0"



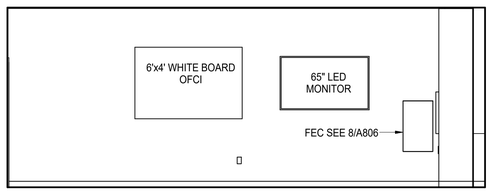
24 — LIFE SCIENCE CLASSROOM WEST - A101 - BLDG A
1/4" = 1'-0"



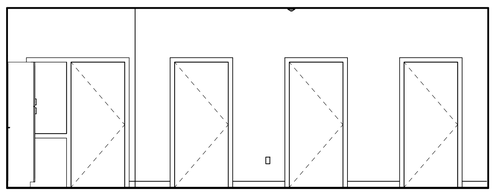
23 — CLASSROOM 2B SOUTH - A104B - BLDG A
1/4" = 1'-0"



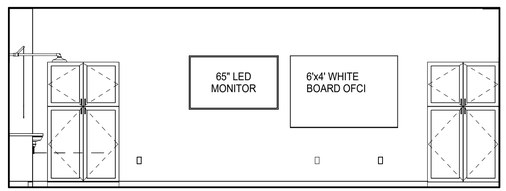
22 — CLASSROOM 2A & 2B WEST - A104A & A104B - BLDG A
1/4" = 1'-0"



27 — LIFE SCIENCE CLASSROOM SOUTH - A101 - BLDG A1
1/4" = 1'-0"



26 — LIFE SCIENCE CLASSROOM EAST - A101 - BLDG A
1/4" = 1'-0"



25 — LIFE SCIENCE CLASSROOM NORTH - A101 - BLDG A
1/4" = 1'-0"

LAST REVISION: 2/23/2017 4:24:37 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT
GORDON W. ROGERS
Exp. 3/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
INTERIOR ELEVATIONS - BLDG A

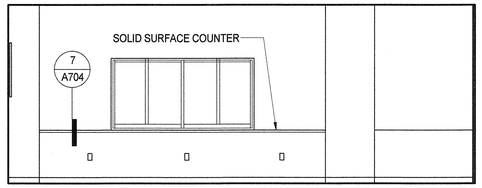
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

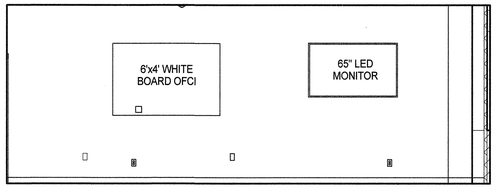
No.	Description	Date
1	REVISION #1	1/20/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A601

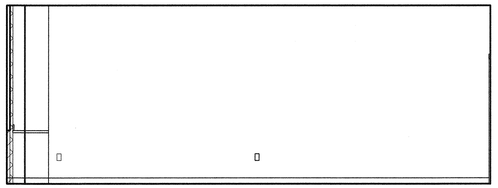
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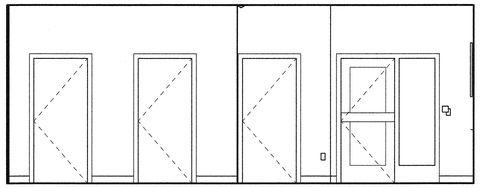
4 — CLASSROOM 3 WEST - A103 - BLDG A
1/4" = 1'-0"



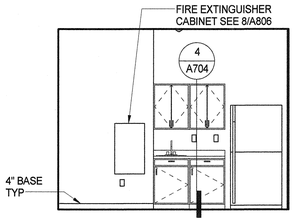
3B — CLASSROOM 3 SOUTH - A103 - BLDG A
1/4" = 1'-0"



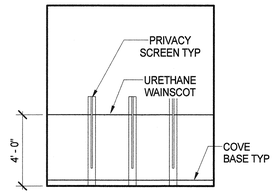
2 — CLASSROOM 3 NORTH - A103 - BLDG A
1/4" = 1'-0"



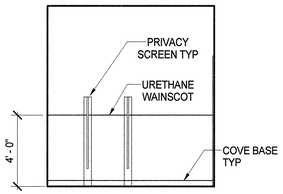
1 — CLASSROOM 3 EAST - A103 - BLDG A
1/4" = 1'-0"



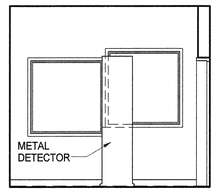
11 — BREAKROOM EAST - BLDG A
1/4" = 1'-0"



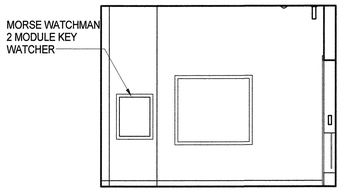
10 — SEARCH ROOM A118 - WEST
1/4" = 1'-0"



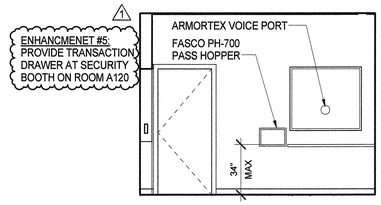
9 — SEARCH ROOM A118 - EAST
1/4" = 1'-0"



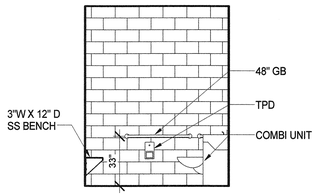
8 — CORRIDOR A121 - EAST
1/4" = 1'-0"



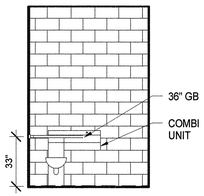
7 — CORRIDOR A121 - NORTH
1/4" = 1'-0"



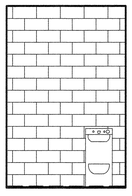
6 — CORRIDOR A121 - SOUTH
1/4" = 1'-0"



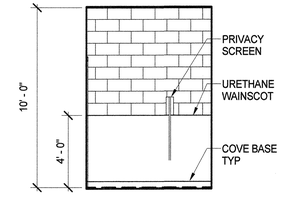
16 — TEMPORARY HOLD ROOM A129 - NORTH
1/4" = 1'-0"



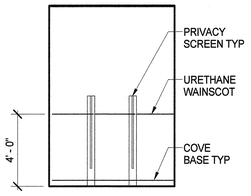
15 — TEMPORARY HOLD ROOM A129 - EAST
1/4" = 1'-0"



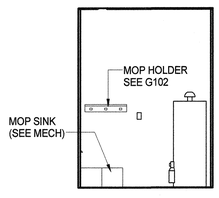
14 — TEMPORARY HOLD ROOM A113 - WEST
1/4" = 1'-0"



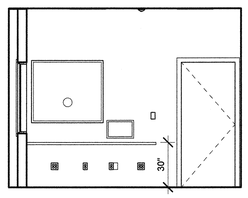
13 — SEARCH ROOM A117 - SOUTH
1/4" = 1'-0"



12 — SEARCH ROOM A117 - NORTH
1/4" = 1'-0"



18 — JAN 116 - SOUTH
1/4" = 1'-0"



17 — SEC BOOTH A120 - NORTH
1/4" = 1'-0"

SEE DETAILS 1, 2, 3 SHEET G102 FOR TYPICAL FLOOR CLEARANCE REQUIRED, MOUNTING HEIGHTS AND TOILET ROOM ACCESSORIES SCHEDULE AS SHOWN ON THIS SHEET.

LAST REVISION: 1/19/2017 4:04:04 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
INTERIOR ELEVATIONS - BLDG A

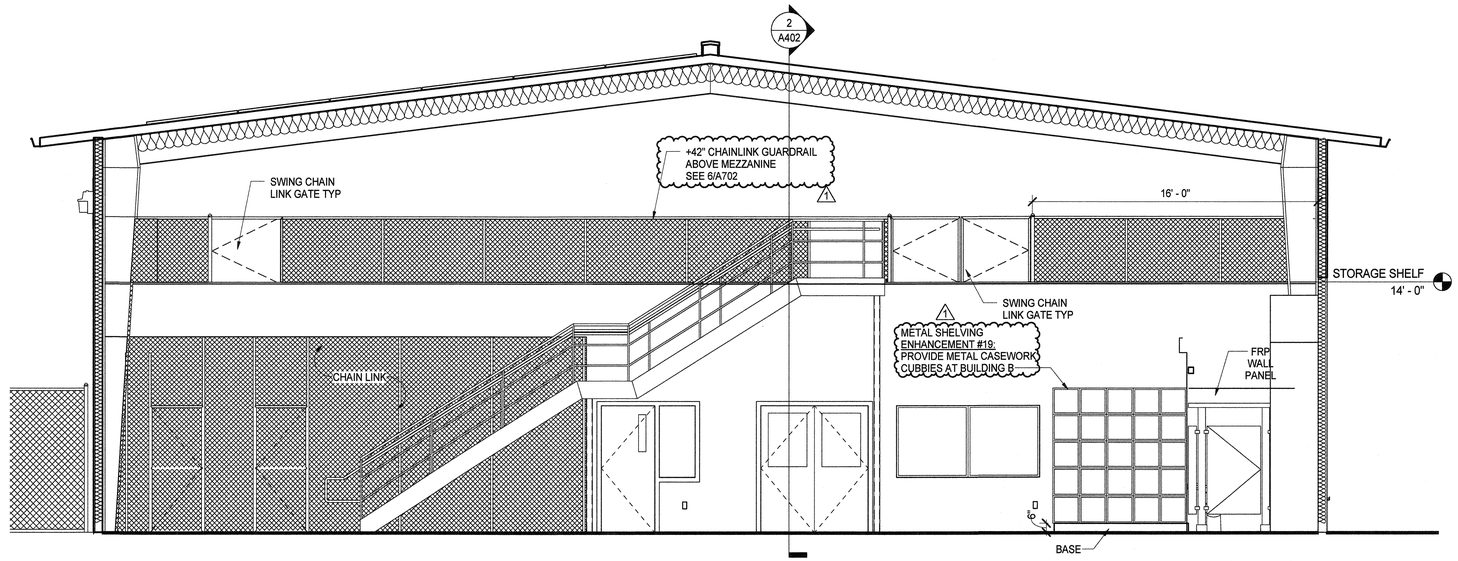
SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

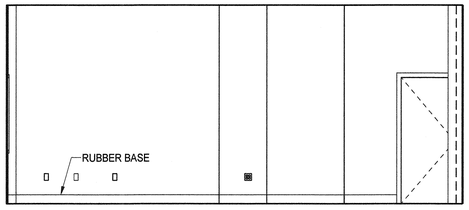
JOB NO. 4907A3
DATE 11/9/2016
SHEET A602

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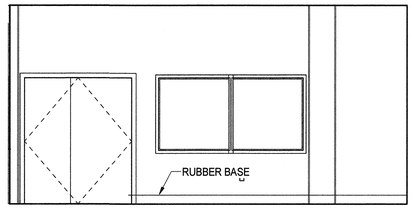


1 — TYPICAL BAYS W/ FULL HT CL WALL
1/4" = 1'-0"

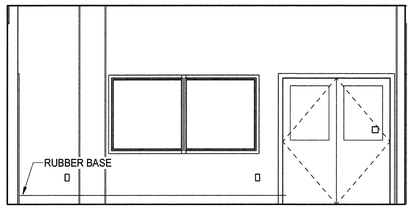
SEE DETAILS 1, 2, 3 SHEET G102 FOR TYPICAL FLOOR CLEARANCE REQUIRED, MOUNTING HEIGHTS AND TOILET ROOM ACCESSORIES SCHEDULE AS SHOWN ON THIS SHEET.



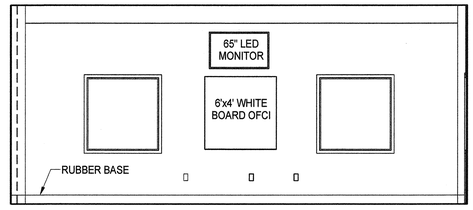
6 — TYPICAL CLASSROOM NORTH - BLDG B
1/4" = 1'-0"



5 — TYPICAL CLASSROOM WEST - BLDG B
1/4" = 1'-0"



4 — TYPICAL CLASSROOM EAST - BLDG B
1/4" = 1'-0"



3 — TYPICAL CLASSROOM SOUTH - BLDG B
1/4" = 1'-0"

LAST REVISION: 1/19/2017 5:00:59 PM

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2450 Venture Oaks Way
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LICENSED ARCHITECT
GORDON W. ROGERS
Exp. 8/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: CFQV 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM
AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
INTERIOR ELEVATIONS - BLDG B

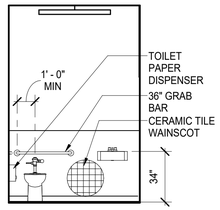
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

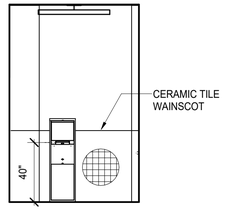
No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A603

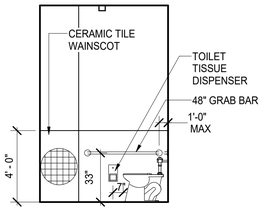
C:\BIM\CLAYBANK VOCED_asalija@kitchell.com.rvt



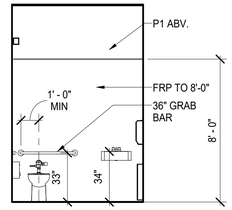
2C — STAFF TOILET - B153 - WEST
1/4" = 1'-0"



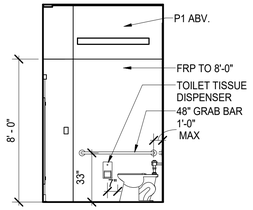
2B — STAFF TOILET - B153 -EAST
1/4" = 1'-0"



2A — STAFF TOILET - B153 - SOUTH
1/4" = 1'-0"

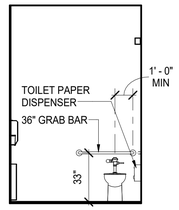


1B — TYPICAL INMATE TOILET WEST- BLDG B
1/4" = 1'-0"

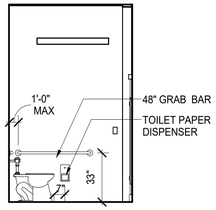


1A — TYPICAL INMATE TOILET SOUTH- BLDG B
1/4" = 1'-0"

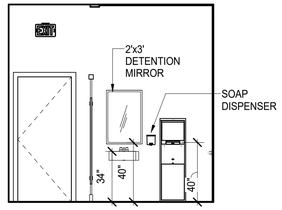
SEE DETAILS 1, 2, 3 SHEET G102 FOR TYPICAL FLOOR CLEARANCE REQUIRED, MOUNTING HEIGHTS AND TOILET ROOM ACCESSORIES SCHEDULE AS SHOWN ON THIS SHEET. FOR ENLARGED FLOOR PLAN DIMENSIONS SEE SHEET A210.



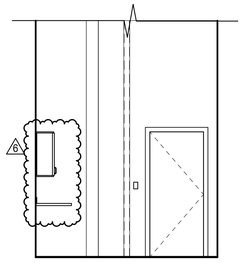
4C — TOILET B152A - EAST
1/4" = 1'-0"



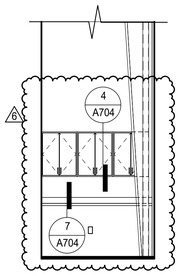
4B — TOILET B152A - SOUTH
1/4" = 1'-0"



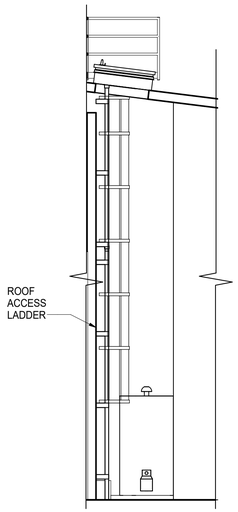
4A — TOILET B152A - NORTH
1/4" = 1'-0"



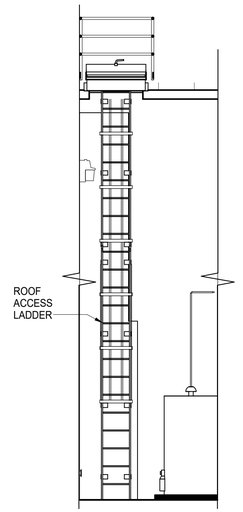
3B — ANTE RM B156B - SOUTH
1/4" = 1'-0"



3A — ANTE RM B156B - EAST
1/4" = 1'-0"



5B — JAN B151 - WEST
1/4" = 1'-0"



5A — JAN B151 - SOUTH
1/4" = 1'-0"

LAST REVISION: 3/3/2017 9:26:23 AM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
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(916) 648-9700

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Exp. 3/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
INTERIOR ELEVATIONS - BLDG B

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
6	ADDENDUM #6	3/3/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A604

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Addendum 6

ROOM FINISH SCHEDULE BLDG B

ROOM #	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH NORTH	WALL FINISH SOUTH	WALL FINISH EAST	WALL FINISH WEST	CEILING FINISH	COMMENTS
B129	BAY 6	C0	B1	PLY/P1	PLY/P1	PLY/FRP/P1	CF/P1	OTS	B1 @ GYP BD WALLS, PLY TO 8'-0", FRP TO 8'-0" 1
B129A	TOILET ROOM	C0	B1	FRP/P1	FRP/P1	-	FRP/P1	GPC	FRP TO 8'-0"/P1 ABV
B129B	INSTRUCTOR	C0	B1	P1	P1	P1	P1	APC	
B129C	TOOL ROOM	C0	B1	CF	P1	P1	P1	APC	
B129D	STORAGE	C0	B1	P1	CF	CF	P1	APC	
B129E	LADDER ACCESS	C0	-	CF	P1	CF	P1	OTS	
B133	CLASSROOM	C0	B1	P1	P1	P1	P1	APC	
B133B	CLOSET	C0	B1	P1	P1	P1	P1	GPC	
B134	ELEC 1	C0	-	P1	P1	P1	P1	OTS	
B135	BAY 5	C0	B1	PLY/P1	PLY/P1	CF/P1	PLY/FRP/P1	OTS	B1 @GYP BD, PLY TO 8'-0", FRP TO 8'-0" 1
B135A	TOILET ROOM	C0	B1	FRP/P1	FRP/P1	FRP/P1	-	GPC	FRP TO 8'-0"/P1 ABV
B135B	INSTRUCTOR	C0	B1	P1	P1	P1	P1	APC	
B135C	TOOL ROOM	C0	B1	P1	P1	P1	CF	APC	
B135D	STORAGE	C0	B1	P1	CF	P1	CF	APC	
B135E	LADDER ACCESS	C0	-	CF	P1	P1	CF	OTS	
B136	BAY 4	C0	B1	PLY/P1	PLY/P1	PLY/FRP/P1	CF/P1	OTS	B1 @ GYP BD WALLS, PLY TO 8'-0", FRP TO 8'-0" 1
B136A	TOILET ROOM	C0	B1	FRP/P1	FRP/P1	-	FRP/P1	GPC	FRP TO 8'-0"/P1 ABV
B136B	INSTRUCTOR	C0	B1	P1	P1	P1	P1	APC	
B136C	TOOL ROOM	C0	B1	P1	P1	CF	P1	APC	
B136D	STORAGE	C0	B1	P1	CF	CF	P1	APC	
B136E	LADDER ACCESS	C0	-	CF	P1	CF	P1	OTS	
B138	CLASSROOM	C0	B1	P1	P1	P1	P1	APC	
B138B	CLOSET	C0	B1	P1	P1	P1	P1	GPC	
B139	ELEC 2	C0	B1	P1	P1	P1	P1	OTS	
B140	BAY 3	C0	B1	PLY/P1	PLY/P1	CF/P1	PLY/FRP/P1	OTS	B1 @ GYP BD WALLS, PLY TO 8'-0", FRP TO 8'-0" 1
B140A	TOILET ROOM	C0	B1	FRP/P1	FRP/P1	FRP/P1	-	GPC	FRP TO 8'-0"/P1 ABV
B140B	INSTRUCTOR	C0	B1	P1	P1	P1	P1	APC	
B140C	TOOL ROOM	C0	B1	P1	P1	P1	CF	APC	
B140D	STORAGE	C0	B1	P1	CF	P1	CF	APC	
B140E	LADDER ACCESS	C0	-	CF	P1	P1	CF	OTS	
B141	BAY 2	C0	B1	PLY/P1	PLY/P1	PLY/FRP/P1	CF/P1	OTS	B1 @ GYP BD WALLS, PLY TO 8'-0", FRP TO 8'-0" 1
B141A	TOILET ROOM	C0	B1	FRP/P1	FRP/P1	-	FRP/P1	GPC	FRP TO 8'-0"/P1 ABV
B141B	INSTRUCTOR	C0	B1	P1	P1	P1	P1	APC	
B141C	STORAGE	C0	B1	P1	P1	CF	P1	APC	
B141C	TOOL ROOM	C0	B1	P1	CF	CF	P1	APC	
B141D	STORAGE	C0	B1	P1	P1	CF	P1	APC	
B144	IDF	SCF	SCF	P1	P1	P1	P1	OTS/P1	COVED BASE W/ FLOOR
B145	BAY 1	C0	B1	PLY/P1	PLY/P1	CF/P1	PLY/FRP/P1	OTS	B1 @ GYP BD WALLS, PLY TO 8'-0", FRP TO 8'-0" 1
B145A	TOILET ROOM	C0	B1	FRP/P1	FRP/P1	FRP/P1	-	GPC	FRP TO 8'-0"/P1 ABV
B145B	INSTRUCTOR	C0	B1	P1	P1	P1	P1	APC	
B145C	TOOL ROOM	C0	B1	P1	CF	P1	CF	APC	
B145C	STORAGE	C0	B1	P1	P1	P1	CF	APC	
B145D	STORAGE	C0	B1	P1	P1	P1	CF	APC	
B147	MALE STAFF R/R	CT	CT	CT/P1	CT/P1	CT/P1	CT/P1	GPC	4' HIGH CT WAINSCOT
B148	CLASSROOM	C0	B1	P1	P1	P1	P1	APC	
B148B	CLOSET	C0	B1	P1	P1	P1	P1	GPC	
B149	FIRE SPRINKLER RISER	C0	-	P1	P1	P1	P1	OTS	
B150	SECURITY	SCF	B1	P1	P1	P1	P1	OTS/P1	
B151	JAN	C0	B1	P1	FRP/P1	P1	FRP/P1	OTS	4' FRP WAINSCOT
B152	BAY 7	C0	B1	PLY/P1	PLY/P1	CF/P1	PLY/FRP/P1	OTS	B1 @ GYP BD WALLS, PLY TO 8'-0", FRP TO 8'-0" 1
B152A	TOILET ROOM	C0	B1	FRP/P1	FRP/P1	FRP/P1	-	GPC	FRP TO 8'-0"/P1 ABV
B152B	INSTRUCTOR B	C0	B1	P1	P1	P1	P1	APC	
B152C	TOOL ROOM	C0	B1	P1	P1	P1	CF	APC	
B152D	STORAGE	C0	B1	P1	CF	P1	CF	APC	
B152D	LADDER ACCESS	C0	-	CF	P1	P1	CF	OTS	
B153	FEMALE STAFF R/R	CT	CT	CT/P1	CT/P1	CT/P1	CT/P1	GPC	4' HIGH CT WAINSCOT
B154	CLASSROOM	C0	B1	P1	P1	P1	P1	APC	
B154B	CLOSET	C0	B1	P1	P1	P1	P1	GPC	
B155	BAY 8	C0	B1	PLY/P1	PLY/P1	PLY/FRP/P1	CF/P1	wtwt	B1 @GYP BD, PLY TO 8'-0", FRP TO 8'-0" 1
B155A	TOILET ROOM	C0	B1	FRP/P1	FRP/P1	-	FRP/P1	GPC	FRP TO 8'-0"/P1 ABV
B155B	INSTRUCTOR B	C0	B1	P1	P1	P1	P1	APC	
B155C	TOOL ROOM	C0	B1	P1	P1	CF	P1	APC	
B155D	STORAGE	C0	B1	P1	CF	CF	P1	APC	
B155E	LADDER ACCESS	C0	-	CF	P1	CF	P1	OTS	
B156A	MDF	SCF	SCF	P1	P1	P1	P1	OTS/P1	COVED BASE W/ FLOOR
B156B	ANTE ROOM	C0	B1	P1	P1	P1	P1	OTS/P1	

ROOM FINISH SCHEDULE BLDG A

ROOM #	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH NORTH	WALL FINISH SOUTH	WALL FINISH EAST	WALL FINISH WEST	CEILING FINISH	COMMENTS
A101	LIFE SCIENCE CLASSROOM	VCT	B1	P1	P2	P1	P1	APC	
A101A	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A101B	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A101C	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A102A	CLASSROOM 1A	VCT	B1	P1	P2	P1	P1	APC	
A102B	CLASSROOM 1B	VCT	B1	P2	P1	P1	P1	APC	
A102C	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A102D	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A102E	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A102F	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A102G	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A102H	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A103	CLASSROOM 3B	VCT	B1	P2	P1	P1	P1	APC	
A103A	CLASSROOM 3A	VCT	B1	P1	P2	P1	P1	APC	
A103B	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A103C	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A103D	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A103E	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A103F	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A103G	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A104A	CLASSROOM 2A	VCT	B1	P1	P2	P1	P1	APC	
A104B	CLASSROOM 2B	VCT	B1	P2	P1	P1	P1	APC	
A104C	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A104D	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A104E	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A104F	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A104G	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A104H	CLOSET	VCT	B1	P1	P1	P1	P1	P1	
A105	CLO.	VCT	B1	P1	P1	P1	P1	P1	
A106	SEC CLOSET	SCF	SCF	P1	P1	P1	P1	OTS	COVED BASE W/ FLOOR
A107	MDF/IDF	SCF	SCF	P1	P1	P1	P1	OTS	COVED BASE W/ FLOOR
A108	ELECTRICAL	C0	B1	P1	P1	P1	PLYWOOD	OTS	
A109	CORRIDOR	VCT	B1	P1	P1	P1	P1	APC	
A110	OPEN OFFICE	C1	B1	P1	P1	P2	P1	APC	
A110B	FIRE SPRINKLER RISER	C0	-	P1	P1	P1	P1	OTS	
A111	BREAK ROOM	VCT	B1	P1	P1	P1	P2	APC	
A112	CLOSET	C0	B1	P1	P1	P1	P1	P1	
A113	TEMPORARY HOLD RM'S	C0	-	P4	P4	P4	P4	P4	
A114	FEMALE	CT	CT	CT/P1	CT/P1	CT/P1	CT/P1	P1	4' HIGH TILE WAINSCOT
A115	MALE	CT	CT	CT/P1	CT/P1	CT/P1	CT/P1	P1	4' HIGH TILE WAINSCOT
A116	JAN	C0	B1	P1	FRP	FRP	P1	P1	
A117	SEARCH ROOM	CUFS	CUFS	P3/P1	P3/P1	P3/P1	P3/P1	APC	
A118	SEARCH ROOM	CUFS	CUFS	P3/P1	P3/P1	P3/P1	P3/P1	APC	
A119	WOMEN'S	CUFS	CUFS	P1	P1	P1	P1	P1	4' HIGH CUFS WAINSCOT
A120	SEC BOOTH	SCF	SCF	P1	P1	P1	P1	APC	COVED BASE W/ FLOOR
A121	CORRIDOR	VCT	B1	P1	P1	P1	P1	APC	
A122	RECEPTION	C1	B1	P2	P1	P1	P1	APC	
A123	INTERVIEW	C1	B1	P1	P1	P1	P1	APC	
A124	INTERVIEW	C1	B1	P1	P1	P1	P1	APC	
A125	LACTATION	VCT	B1	P1	P1	P1	P1	APC	
A126	MEN'S	CUFS	CUFS	P2	P2	P2	P1	P1	4' HIGH CUFS WAINSCOT
A127	PLUMBING CHASE	C0	-	-	-	-	-	OTS	
A128	CORRIDOR	VCT	B1	P1	P1	P1	P1	APC	
A129	TEMPORARY HOLD RM'S	C0	-	P4	P4	P4	P4	P4	

CONSTRUCTION NOTES FOR BLDGS A & B:

1. TYPICAL AT BLDG A AND B INTERIOR PROVIDE EGG SHELL PAINT FINISH COLOR AS NOTED ON SCHEDULE ABOVE.
2. TYPICAL AT BLDG A AND B INTERIOR RESTROOM LOCATIONS PROVIDE SEMI-GLOSS PAINT FINISH COLOR AS NOTED ON SCHEDULE ABOVE AT GYPSUM WALL BOARD AND CEILINGS.
3. TYPICAL AT BLDG A AND B INTERIOR ALL GYPSUM WALL BOARD AND CEILINGS TO RECEIVE ORANGE PEEL SPRAY TEXTURE.
4. TYP ALL ROOMS NOTED ABOVE WITH VCT TILE TO HAVE A 50% VCT 1 TO 50% VCT 2 PATTERN MIX TILE SHOWN BELOW, UON. AT LIFE SCIENCE CLASSROOM PROVIDE A 80% VCT1 TO 20% VCT 2 PATTERN MIX TILE SHOWN BELOW. AT ENTRY CORRIDOR A121 AND 128 PROVIDE A 50% VCT 1 TO 50% VCT 3 PATTERN MIX TILE SHOWN BELOW.
5. TYPICAL AT BLDG B INTERIOR SHOPS PROVIDE SEMI-GLOSS PAINT P2 44" AFF AND P1 EGG SHELL FINISH ABOVE, EXTEND TO BOTTOM OF ROOF.
6. TYPICAL AT BLDG B INTERIOR PROVIDE SEMI-GLOSS PAINT P2 44" AFF AND P1 FINISH ABOVE, TO ALL EXPOSED STRUCTURAL STEEL FRAMING INCLUDING EXPOSED ROOF FRAMING STEEL BEAMS.
7. TYPICAL AT BLDG A AND B INTERIOR PROVIDE PAINT P1 TO ALL HOLLOW METAL DOOR FRAMES.
8. TYPICAL PROVIDE PVC CORNER GUARDS 5'-0" AFF AT ALL WALL CORNER LOCATIONS ALONG CORRIDORS AND TOOL ROOMS.
9. ENHANCMENT #7: EXTEND PLYWOOD SIDING FROM 8'-0" AFF TO 14'-0" AFF. 1

MATERIALS LEGEND BASIS OF DESIGN

6

ID	DESCRIPTION	MANUFACTURER	PRODUCT # AND NAME	COMMENTS
APC	ACOUSTICAL TILE CEILING AND GRID	ARMSTRONG	~~ULTIMA~~ OPTIMA TEGULAR No. 3252 AND PRELUDE XL 15/16" EXPOSED TEE	
GPC	GYP BOARD CEILING	USG	5/8" TYPE 'X'	PAINT P1
OTS	OPEN TO STRUCTURE	JM SIMPLE SAVER SYSTEM	INSULATION AND WHITE FABRIC LINER SYSTEM WITH RETAINER STRAPS	
C0	SEALED CONCRETE	DAYTON SUPERIOR	EMERY TUFF	SEALED AND POLISHED
C1	CARPET TILE WITH RUBBER BASE	SHAW	5T069 / 69597	RUN MONOLITHIC NORTH TO SOUTH
CFT	CERAMIC FLOOR TILES	DAL-TILE	DESERT GRAY SPECKLE D200 (80% BLEND) GOLDEN GRANITE D138 (20% BLEND)	PROVIDE 2"x2" FLOOR TILE WITH COVED BASE
CUFS	CEMENTITOUS URETHANE FLOORING SYSTEMS	BASF	UCRETE DP BC 6 FLAKE BLEND #BX500	
SCF	STATIC CONTROL FLOORING WITH RUBBER BASE	ARMSTRONG	#SDT 51951	COVE UP WALLS 4" AFF
VCT 1	SOLID VINYL FLOOR TILE WITH RUBBER BASE	ARMSTRONG	#54800 ZINC OXIDE	50% BLEND
VCT 2	SOLID VINYL FLOOR TILE WITH RUBBER BASE	ARMSTRONG	#54802 CARBONITE	50% BLEND
VCT 3	SOLID VINYL FLOOR TILE WITH RUBBER BASE	ARMSTRONG	#54806 MEZZOTINT	50% BLEND
B1	WALL BASE	FLEXCO	#014 MEDIUM GRAY	
CF	CHAINLINK FENCING			
CWT	CERAMIC WALL TILES	DAL-TILE	ALMOND 0135 (80% BLEND) PEPPER WHITE (20% BLEND)	PROVIDE 4-1/4"x4-1/4" WALL TILE, BULLNOSE TOP
FRP	FIBERGLASS REINFORCED PANEL	MARLITE	#P151 LIGHT GREY	PEBBLE SURFACE
P1	PAINT OVER GWB SUBSTRATE	SHERWIN WILLIAMS	SW704 SNOWBOUND	
P2	PAINT OVER GWB SUBSTRATE	KELLY MOORE	KMW5801 WINTER MORNING MIST	
P3	CEMENTITIOUS URETHANE WALL SYTEM	BASF	UCRETE DP BC 6 FLAKE BLEND #BX500	COVE UP WALLS TO 48" AFF
P4	ACRYLIC BLOCK FILLER WATER BORNE EPOXY	KELLY MOORE INTERNATIONAL	521 COLOR SHIELD-WHITE TRUE GLAZE WB 4426	PROVIDE UNDER COAT PRIMER
PLY	3/4" PLYWOOD OVER GYP BD SUBSTRATE			PAINT AS NOTED ON FINISH SCHEDULE

LAST REVISION: 1/19/2017 4:04:14 PM

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 3/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

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ROOM FINISH SCHEDULE

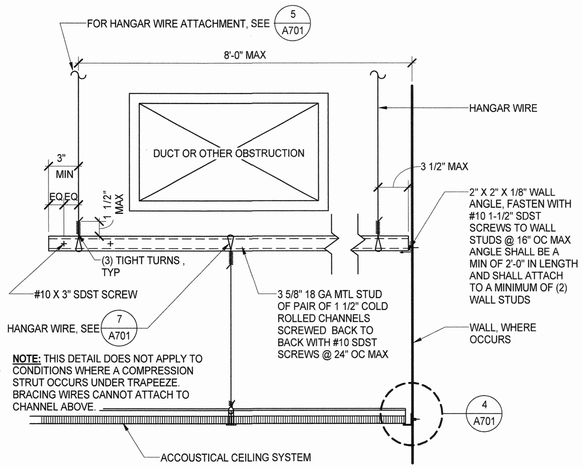
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REVISIONS

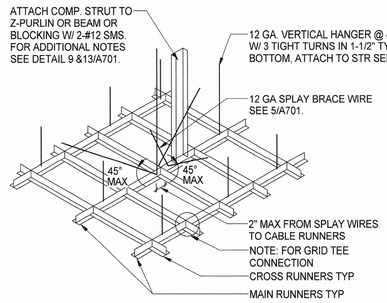
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JOB NO.	SHEET
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DATE 11/9/2016	

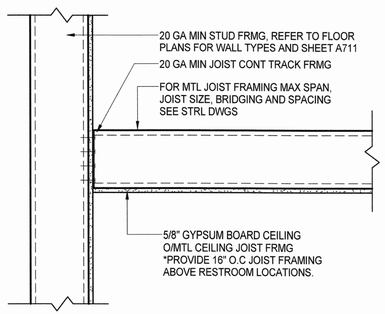
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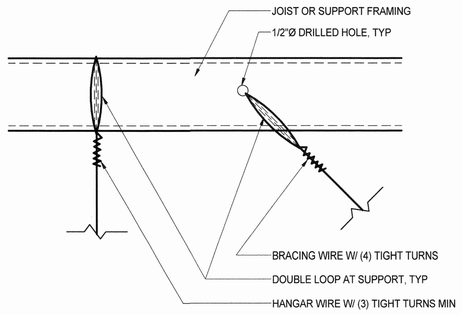
6 — HANGER WIRE TRAPEZE
NTS



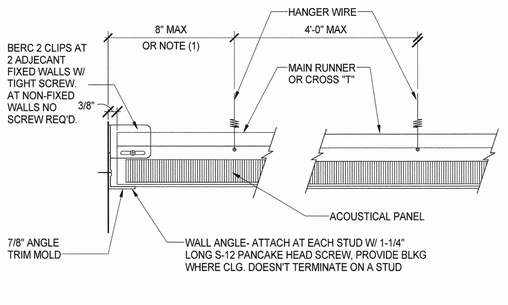
2 — CEILING GRID ATTACHMENT
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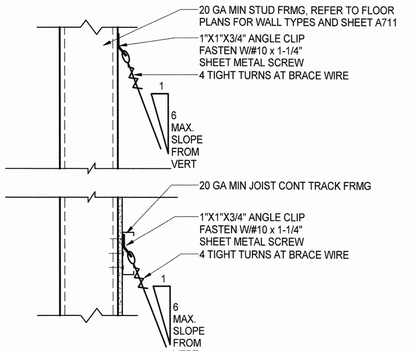
11 — GYP BD CEILING DETAIL
NTS



7 — SADDLE TIE AT TRAPEZE
NTS



3 — SUSPENDED CEILING COMPRESSION STRUT
NTS

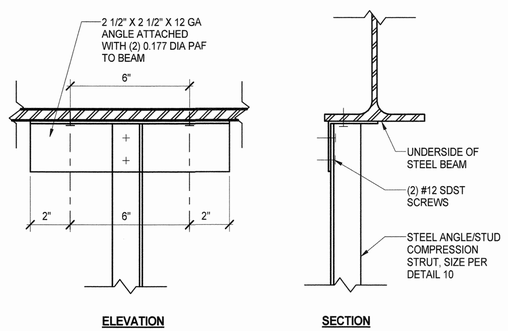


12 — HANGER WIRE TO METAL STUD FRMG
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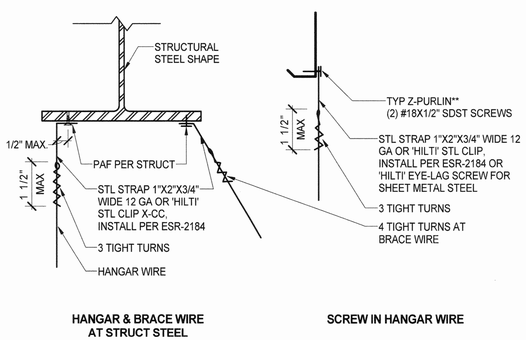
COMPRESSION STRUT MTL STUD		
SPAN	SIZE	GAGE
0'-0" TO 4'-0"	1 5/8"	20 GAGE
0'-0" TO 8'-0"	2 1/2"	20 GAGE
0'-0" TO 12'-0"	3 5/8"	20 GAGE
COMPRESSION STRUT STEEL ANGLE		
SPAN	SIZE	GAGE
0'-0" TO 4'-0"	1 1/2" X 1 1/2"	16 GAGE
0'-0" TO 8'-0"	2 1/2" X 2 1/2"	16 GAGE
0'-0" TO 12'-0"	4" X 4"	16 GAGE
COMPRESSION STRUT EMT		
SPAN	DIA. SIZE	
0'-0" TO 4'-0"	3/4"	
0'-0" TO 8'-0"	1 1/4"	
0'-0" TO 12'-0"	2"	

TYP SPACING FOR COMPRESSION STRUTS TO BE 12' OC MAX EA WAY.

13 — COMPRESSION STRUT TABLE
12" = 1'-0"

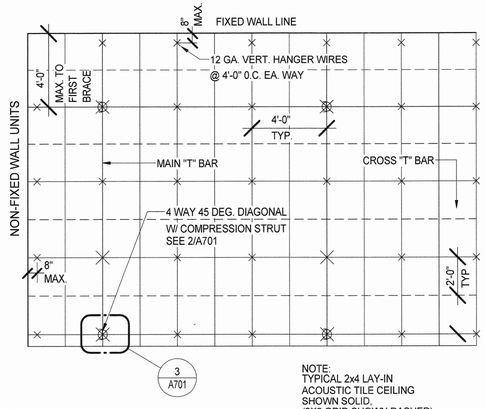


9 — ANGLE/MTL STUD COMPRESSION STRUT TO STEEL BEAM
NTS



4 — ACOUSTIC CEILING DETAIL - WALL ANGLE
NTS

5 — HANGER AND BRACE WIRE AT BEAM
NTS



NOTE:
TYPICAL 2x4 LAY-IN ACOUSTIC TILE CEILING SHOWN SOLID, (2X2 GRID SHOWN DASHED)

1 — DIAGRAMMATIC CEILING PLAN
NTS

CEILING NOTES:

THE FOLLOWING NOTES WILL BE APPLICABLE IN PLANS AND SPECIFICATION FOR CEILING SYSTEMS WHOSE TOTAL WEIGHT, INCLUDING AIR CONDITIONING/HEATING GRILLES AND LIGHT FIXTURES DOES NOT EXCEED TWO (2) PSF. HEAVIER SYSTEM, AND THOSE SUPPORTING LATERAL LOADS FROM PARTITIONS, WILL REQUIRE SPECIAL DESIGN DETAILS:

1. #12 GAGE (MIN.) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4' BY 4' GRID SPACING AND SHALL BE ATTACHED TO MAIN RUNNERS.
2. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTION TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTER-SLOPING WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN TWO (2) ADJACENT WALLS. CEILING GRID MEMBERS SHALL BE AT LEAST 1/2 INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. 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 #16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12 INCHES OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND FOUR (4) #12 GAGE SPLAYED BRACING WIRES ORIENTED 90 DEGREES. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHALL BE TAUT.
   a. PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN ONE-HALF (1/2) THE SPACINGS GIVEN ABOVE, FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS.
   b. SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQUARE FEET OR LESS, SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE. DO NOT REQUIRE BRACING ASSEMBLIES WHEN ATTACHED TO TWO ADJACENT WALLS.
7. FASTEN HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS. FASTEN BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. 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.
8. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
9. ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS, TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS, WEIGHING LESS THAN 56 LBS., MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4 FT. X 4 FT. LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER.
11. ALL FLUSHED OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING 56 LBS. OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES, EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED.
12. BUILDING IS LOCATED IN SEISMIC DESIGN CATEGORY D. THE T-BAR CEILING TO BE 'HEAVY DUTY' BASIS OF DESIGN; PRELUDE XL INSTALL PER ASTM C 635 AND ASTM C 636.
13. COMPRESSION STRUTS & SPLAY WIRE AT SUSPENDED CEILINGS LESS THAN 1,000 SF IN 'B' OCCUPANCY BUILDINGS PER ASCE 7-10.

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 2/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL INTERIOR CEILING DETAILS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

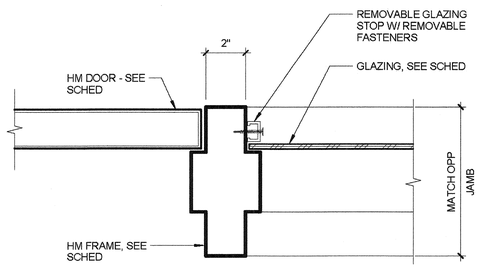
REVISIONS

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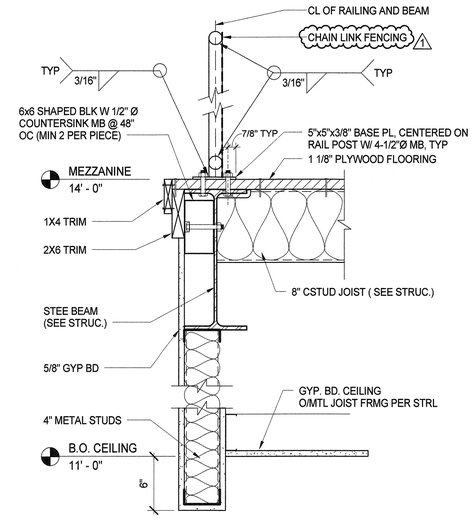
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DATE 11/9/2016
SHEET A701

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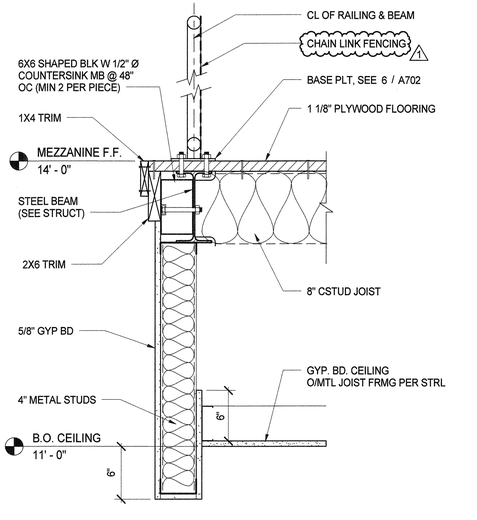
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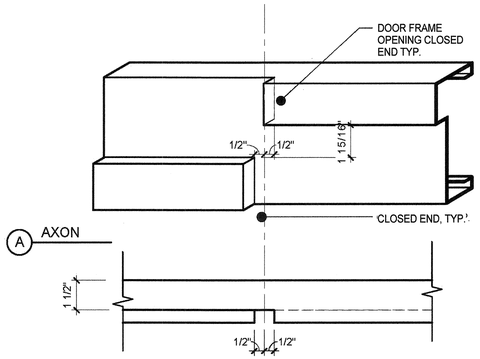
5 HM DOOR/WINDOW JAMB
NTS

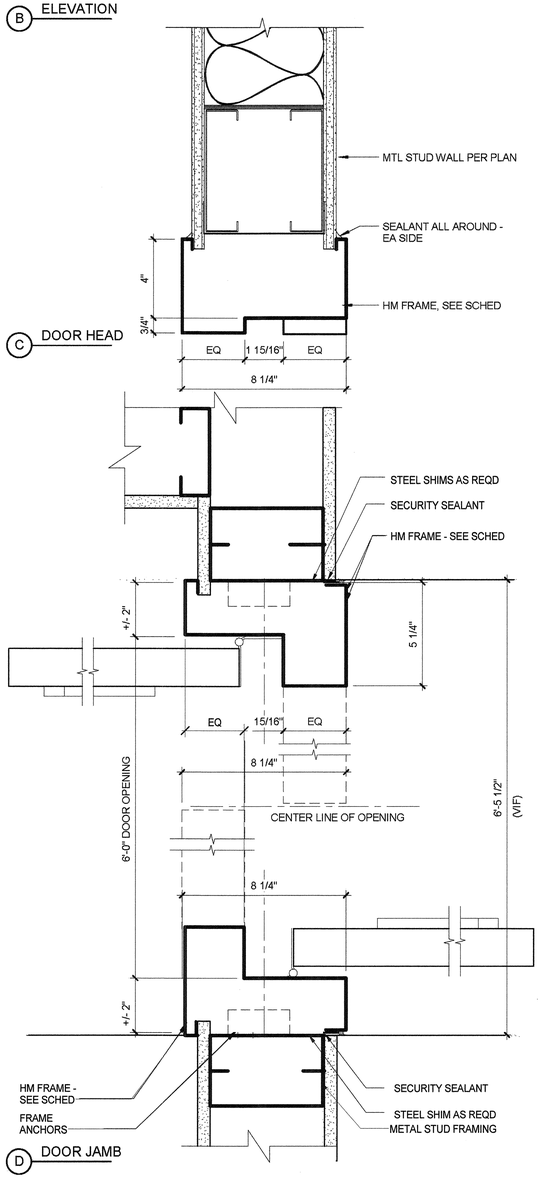


6 TYPICAL SECTION AT MEZANINE OVER CLASSROOM
1 1/2" = 1'-0"

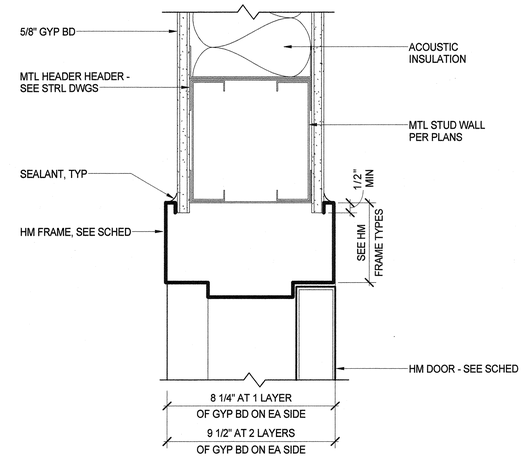


7 TYPICAL SECTION AT MEZANINE OVER RESTROOM
1 1/2" = 1'-0"

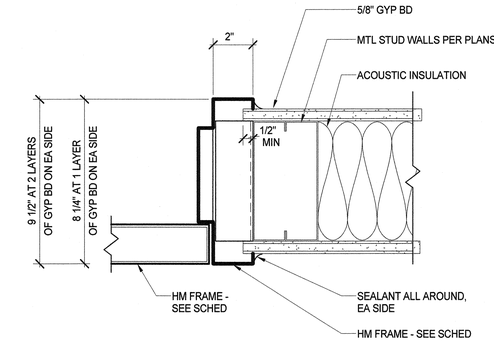




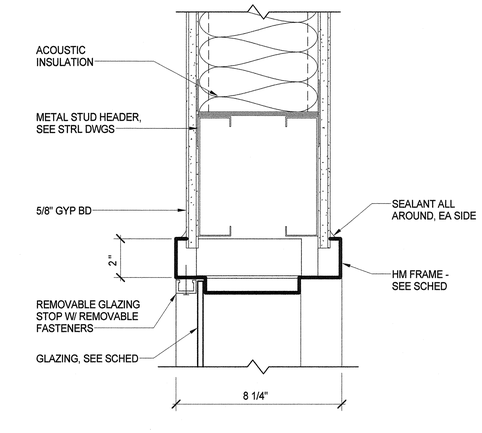
4 DUAL EGRESS DOOR AT PRECAST/STUD WALL
NTS



1 HM DOOR HEAD - INTERIOR
NTS



2 HM DOOR JAMB
NTS



3 HM WINDOW HEAD (JAMB/SILL SIM)
NTS

LAST REVISION: 1/19/2017 1:32:42 PM

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
INTERIOR HMF AND GUARDRAIL DETAILS

SCALE: 0 10 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

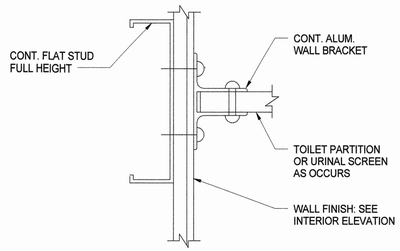
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JOB NO. 4907A3
DATE 11/9/2016
SHEET A702

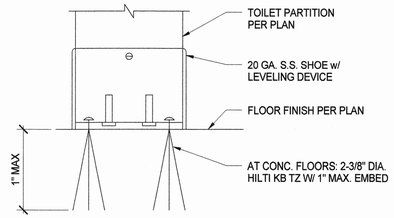
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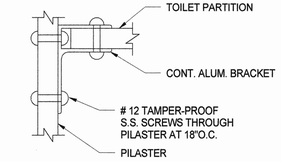
TOILET PARTITION - HANDRAIL



TOILET PARTITION: PANEL TO METAL-FRAMED WALL

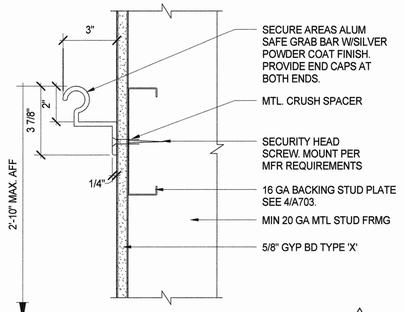


TOILET PARTITION - PILASTER SHOE

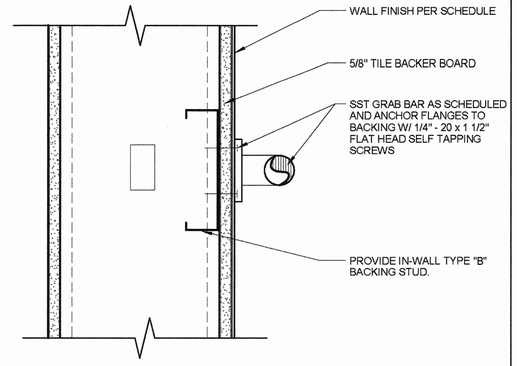


TOILET PARTITION: PANEL TO PILASTER

5 — TOILET PARTION/SCREEN DETAILS
1/4" = 1'-0"

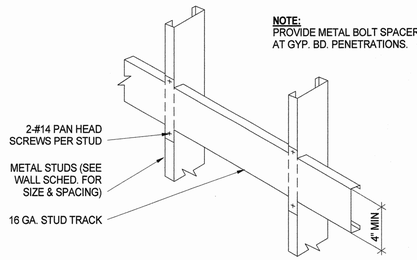


3 — SECURITY GRAB BAR (ROOMS A113 & A129)
3" = 1'-0"



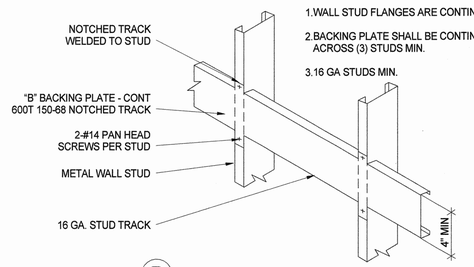
1 — NON-SECURITY GRAB BAR
NTS

NOTE:
PROVIDE METAL BOLT SPACERS AT GYP. BD. PENETRATIONS.



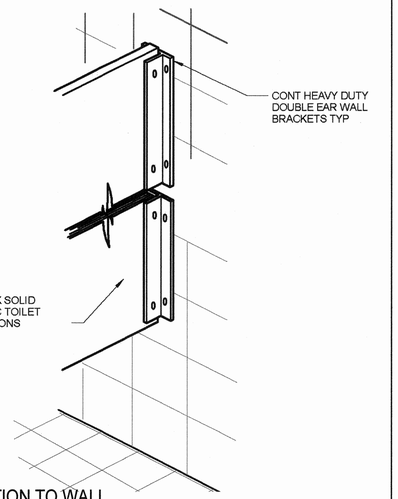
A — STANDARD WEIGHT MOUNTING-50 lbs. WEIGHT, MAX. (MIRRORS, WASTE RECEPTACLES, TOWEL DISPENSERS, ETC.)

NOTES:
1. WALL STUD FLANGES ARE CONTINUOUS.
2. BACKING PLATE SHALL BE CONTINUOUS ACROSS (3) STUDS MIN.
3. 16 GA STUDS MIN.



B — HEAVY WEIGHT MOUNTING-OVER 50 lbs. WEIGHT

4 — METAL STUD/BACKING PLATE
12" = 1'-0"



2 — PARTITION TO WALL
NTS

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: 1/20/2017

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
INTERIOR SECTIONS & DETAILS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

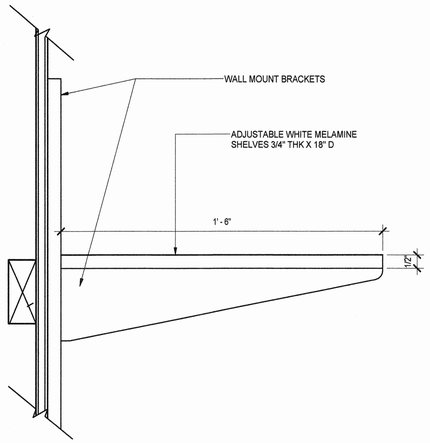
REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

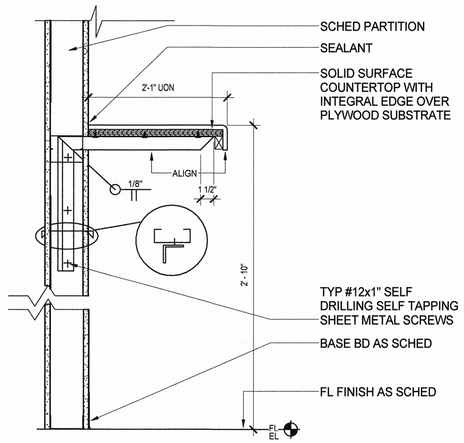
JOB NO.	SHEET
4907A3	A703
DATE 11/9/2016	

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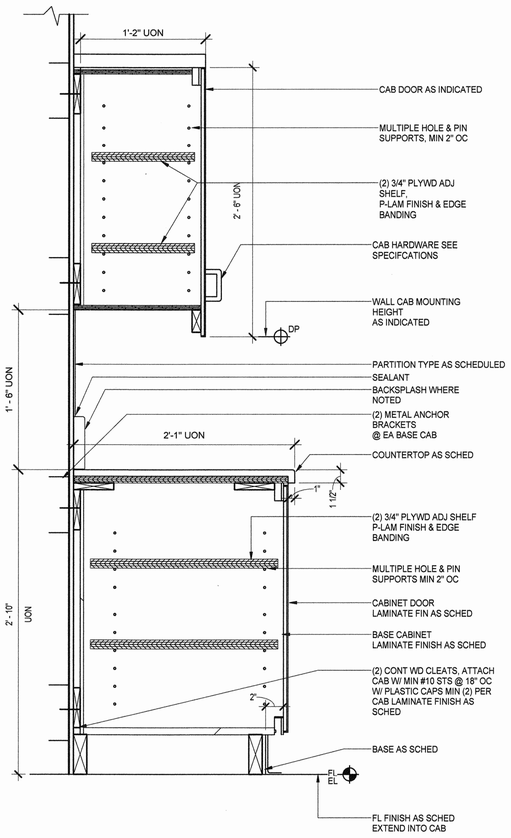
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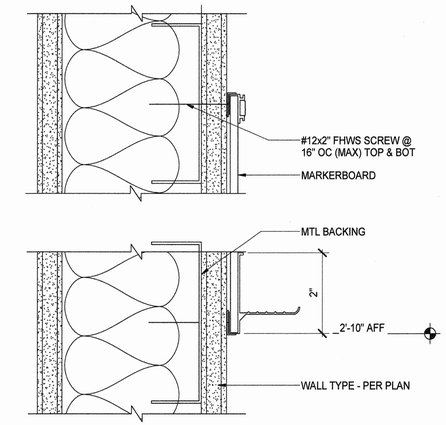
6 — SHELF DET, TYP @ JANITORIAL/SVC AREAS
3" = 1'-0"



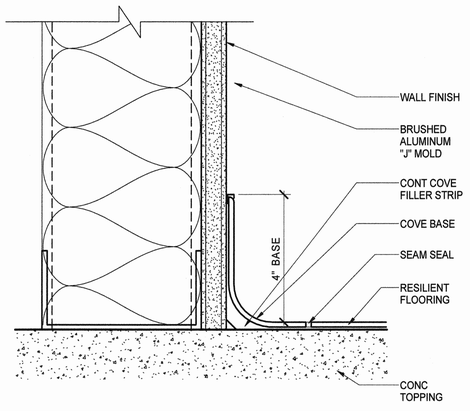
7 — WALL MOUNT COUNTER DET
1 1/2" = 1'-0"



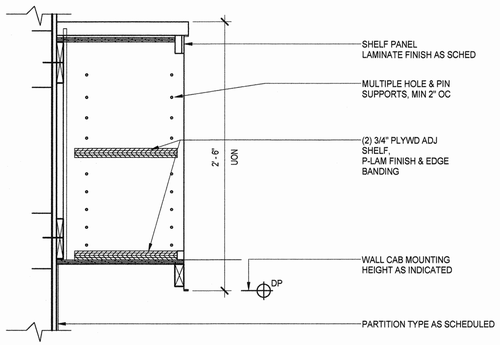
4 — BASE AND UPPER CABINET DETAIL
1 1/2" = 1'-0"



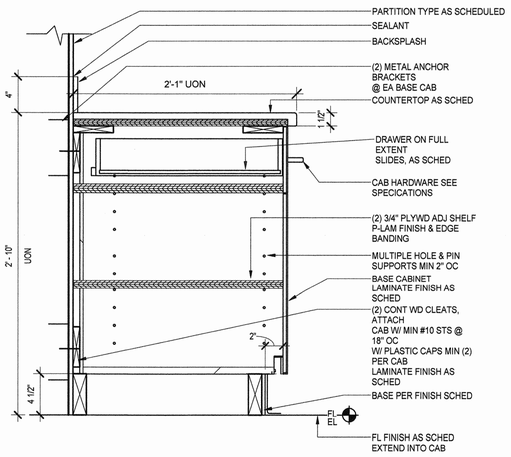
1 — MARKERBOARD AT GYP
NTS



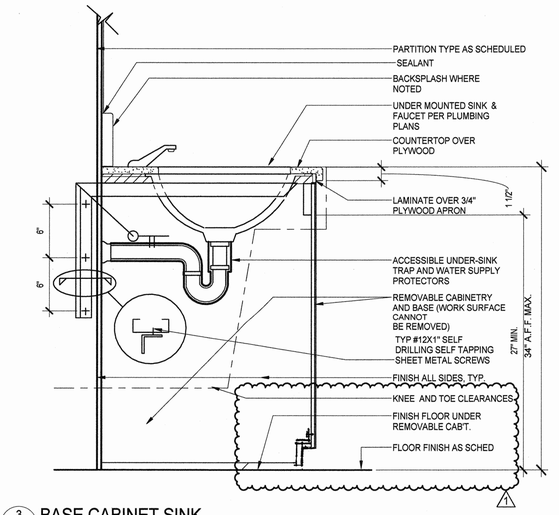
2 — RESILIENT FLOORING COVE BASE
NTS



8 — UPPER SHELF DET
1 1/2" = 1'-0"



5 — BASE CABINET WITH DRAWERS DET
1 1/2" = 1'-0"



3 — BASE CABINET SINK
1 1/2" = 1'-0"

LAST REVISION: 1/19/2017 5:34:48 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: CFDev 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
INTERIOR CASEWORK DETAILS

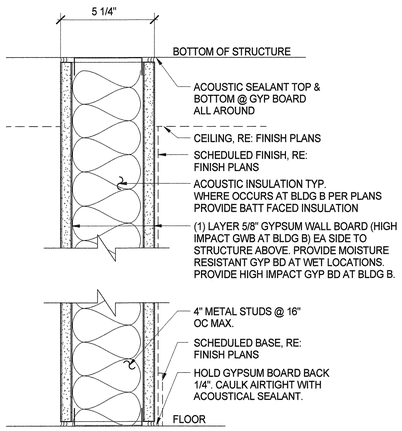
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

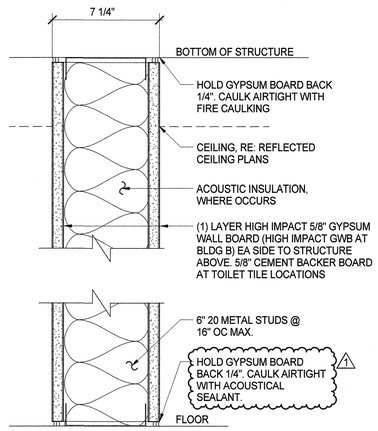
No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A704

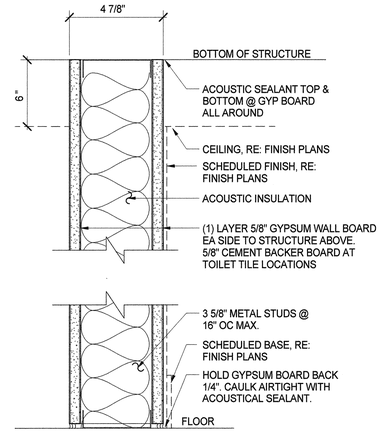
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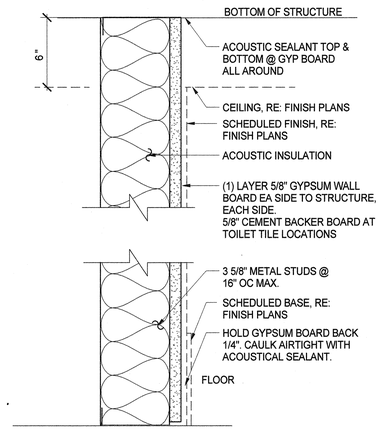
A FULL HEIGHT ACOUSTIC PARTITION- STC 45



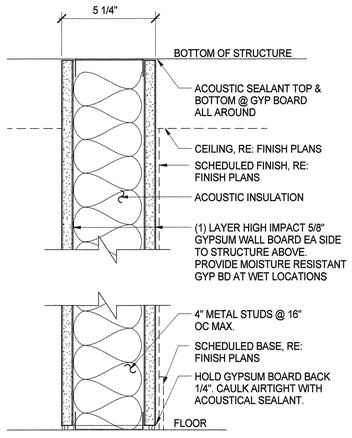
A1 FULL HEIGHT PARTITION



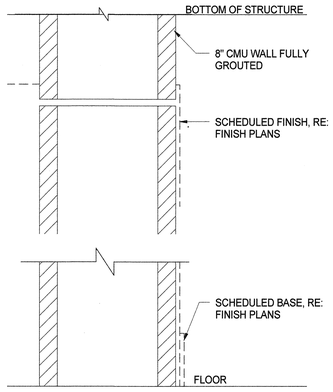
B PARTIAL HEIGHT ACOUSTIC PARTITION



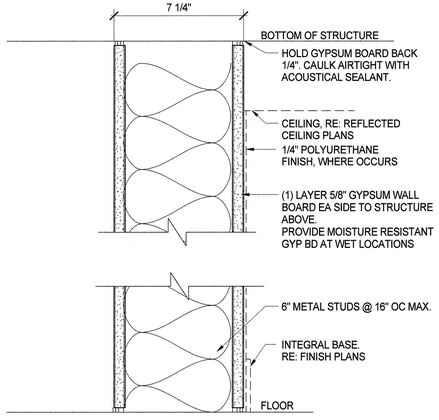
B1 PARTIAL HEIGHT ACOUSTIC PARTITION



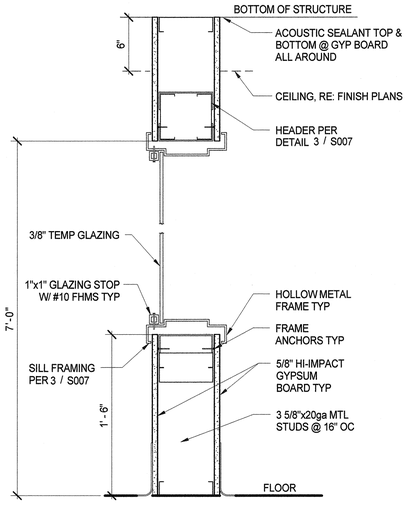
C FULL HEIGHT ACOUSTIC PARTITION- STC 45



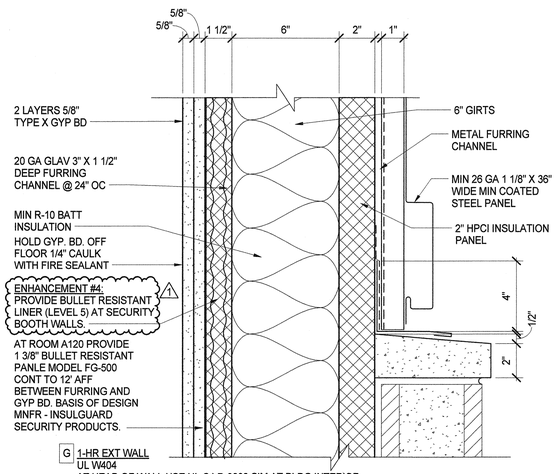
D CMU WALL



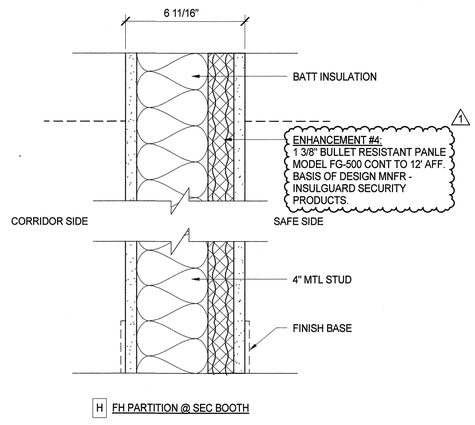
E PLUMBING WALL - STC 55



F FULL HEIGHT WALL



G 1-HR EXT WALL UL W404
AT HEAD OF WALL USE UL CJ-D-0002 SIM AT BLDG INTERIOR



H FH PARTITION @ SEC BOOTH

1 — ARCHITECTURAL WALL TYPES
3" = 1'-0"

GENERAL NOTES:

1. ALL METAL STUD FRAMING OF INTERIOR WALLS IS PER STRUCTURAL DRAWINGS

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: GRoer 1/20/17

SOLANO COUNTY FIRE PROTECTION DISTRICT

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL WALL TYPES AND DETAILS

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

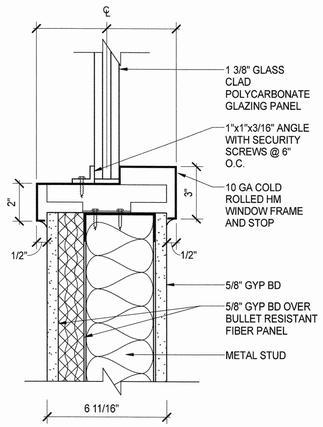
REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

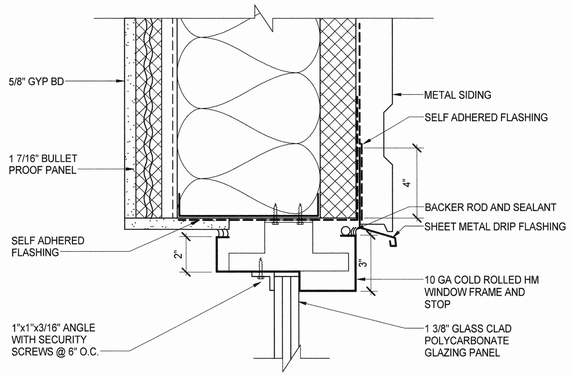
JOB NO. 4907A3
DATE 11/9/2016
SHEET A711

LAST REVISION: 1/19/2017 4:04:19 PM

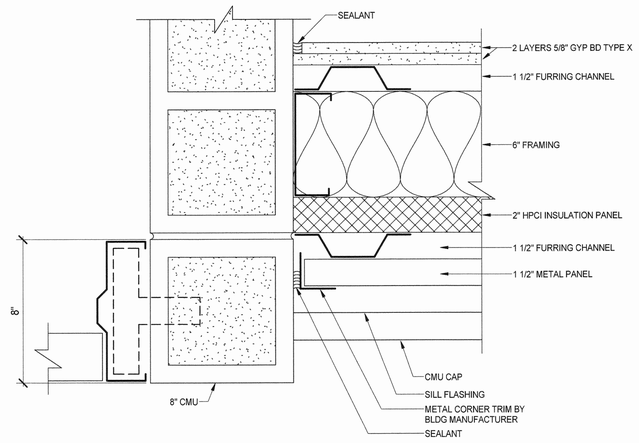
C:\BIM\CLAYBANK VOCED_agimsatija.rvt



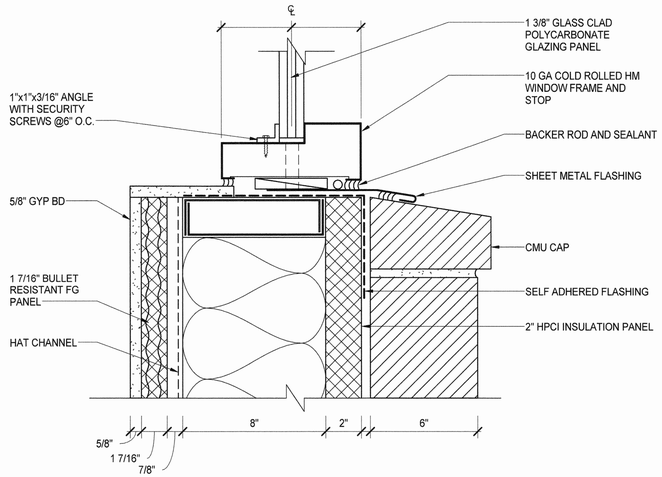
8 — INTERIOR SECURITY WINDOW SILL/JAMB
3" = 1'-0"



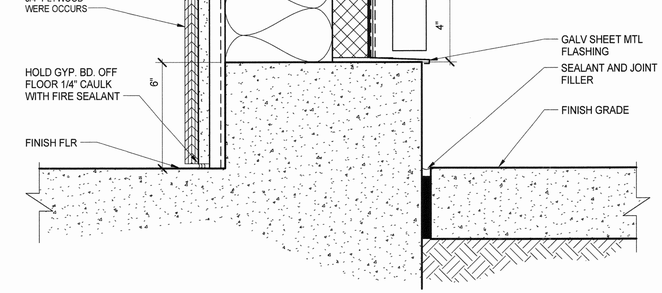
7 — TYPICAL WINDOW HEAD
3" = 1'-0"



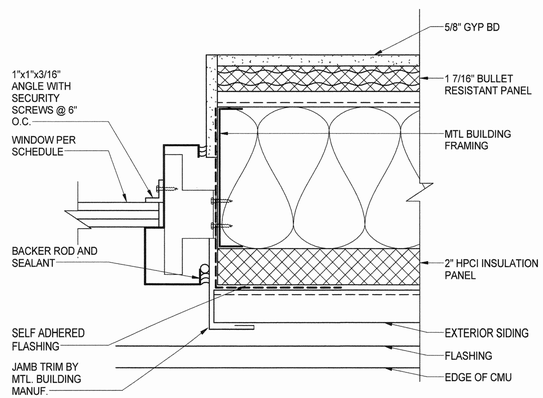
1 — WALL AT CMU
3" = 1'-0"



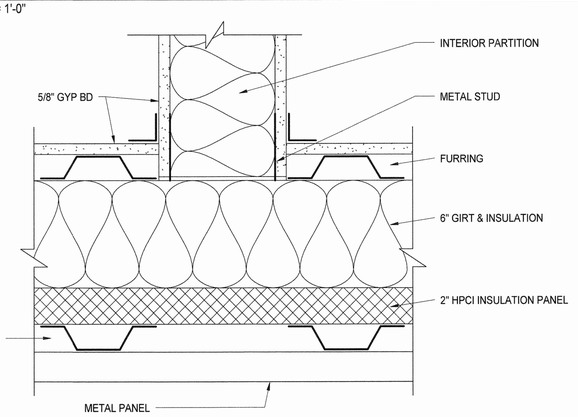
4 — EXTERIOR WINDOW SILL AT SECURITY BOOTH
3" = 1'-0"



2 — TYP BLDG B - CONC CURB DETAIL
3" = 1'-0"



6 — EXTERIOR WINDOW JAMB AT SECURITY BOOTH
3" = 1'-0"



3 — INTERIOR PARTITION AT EXTERIOR WALL
3" = 1'-0"

LAST REVISION: 11/8/2016 12:58:44 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL EXTERIOR WALL DETAILS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A712**

C:\BIM\CLAYBANK VOCED_asalija@kitchell.com.rvt

DOOR SCHEDULE (BLDG A)

DOOR #	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR FINISH	DOOR TYPE	HARDWARE	FRAME MATERIAL	FRAME JAMB	FRAME HEAD	FRAME SILL	COMMENTS
A101.2	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-5	HM-2				CARD READER
A101A.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A101B.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A101C.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A102A.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-5	HM-2				CARD READER
A102B.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-5	HM-2				CARD READER
A102C.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A102D.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A102E.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A102F.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A102G.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A102H.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A103.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-5	HM-2				CARD READER
A103A.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-5	HM-2				CARD READER
A103B.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A103C.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A103D.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A103E.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A103F.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A103G.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A104A.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-5	HM-2				CARD READER
A104B.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-5	HM-2				CARD READER
A104C.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A104D.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A104E.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A104F.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
A104G.1	2' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-4	HM-1				
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A107.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-10	HM-1				CARD READER
A108.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-10	HM-1				
A109.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-3	HM-1				CARD READER
A109.2	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-7	HM-1				
A110.1	3' - 0"	7' - 0"	1 3/4"	WD	PT	E	HW-13	HM-1				
A110B.1	3' - 0"	7' - 0"	2"	HM	ST	A	HW-9	HM-1				
A111.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-14	HM-1				
A112.1	6' - 0"	7' - 0"	2"	WD	ST	D	HW-18	HM-1				PAIR OF 3'-0"
A113.1	3' - 0"	7' - 0"	2"	GALV-DHM	PT	B	SH3A	DHM-1	1/A712	9/A803		DETENTION HARDWARE, CUFFING PORT
A114.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-11	HM-1				
A115.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-11	HM-1				
A116.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-6	HM-1				
A117.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-12	HM-1				GLAZING SG-3
A118.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-12	HM-1				GLAZING SG-3
A119.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-14	HM-1				
A119.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-14	HM-1				
A120.1	3' - 0"	7' - 0"	1 3/4"	LEVEL 5 BR- DHM	PT	E	HW-13	DHM-1				CARD READER, GLAZING SG-1
A121.1	3' - 0"	7' - 0"	2"	HM	PT	C	HW-15	HM-1				ALARMED / DELAYED EGRESS/GLAZING SG-3
A121.2	3' - 0"	7' - 0"	2"	HM	PT	C	HW-25	HM-1 2				REMOTE ACCESS, GLAZING SG-3
A121.3	3' - 0"	7' - 0"	1 3/4"	HM	PT	G	HW-28	HM-2				CARD READER
A122.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-7	HM-1				CARD READER
A123.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-24	HM-2				
A124.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-24	HM-2				
A125.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-8	HM-1				
A126.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-14	HM-1				
A127.1	2' - 6"	7' - 0"	2"	HM	PT	A	HW-9	HM-1				
A128.1	3' - 0"	7' - 0"	1 3/4"	HM	PT	A	HW-29	HM-2				ALARMED / DELAYED EGRESS/GLAZING SG-3
A128.2	6' - 0"	7' - 0"	1 3/4"	WD	ST	E	HW-16	HM-4	4/A702	4/A702		PAIR OF 3'-0", DOUBLE EGRESS DOOR
A129.1	3' - 0"	7' - 0"	2"	GALV-DHM	PT	B	SH3A	DHM-1	1/A712	9/A803		DETENTION HARDWARE, CUFFING PORTS

DOOR SCHEDULE (SITE)

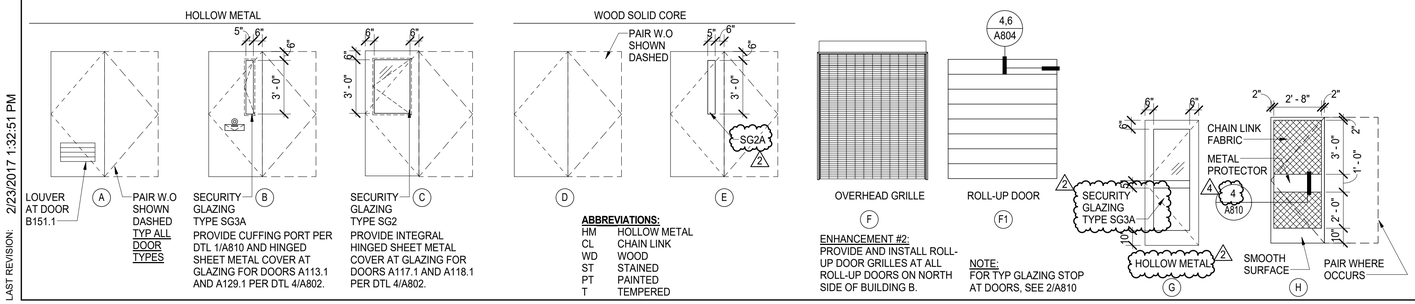
GATE #	GATE WIDTH	GATE HEIGHT	GATE THICKNESS	GATE MATERIAL	GATE FINISH	GATE TYPE	HARDWARE	FRAME MATERIAL	FRAME JAMB	FRAME HEAD	FRAME SILL	COMMENTS
G01	3' - 0"	8' - 0"	-	CL	PT	H	SH9	CL				REMOTE ACCESS
G02	3' - 0"	8' - 0"	-	CL	PT	H	HW-27	CL				DELAYED EGRESS
G04	6' - 0"	8' - 0"	-	CL	PT	H	HW-1	CL	1/C604			SEE CIVIL, PAIR OF 3'-0"
G05	3' - 0"	8' - 0"	-	CL	PT	H	HW-1	CL				
G06	22' - 0"	8' - 0"	-	CL	PT	-	HW-1	CL	1/C604			SEE CIVIL, PAIR OF 10'-0"
G07	3' - 0"	8' - 0"	-	CL	PT	H	HW-1	CL	1/C604			SEE CIVIL
G08	3' - 0"	8' - 0"	-	CL	PT	H	SH9	CL				
G09	20' - 0"	10' - 0"	-	CL	PT	-	HW-26	CL	1/C604	-	-	GATE OPERATOR, REMOTE ACCESS, PR 10'-0"
G10	6' - 0"	8' - 0"		CL	PT	H	HW-1	CL	1/C604			SEE CIVIL, PAIR OF 3'-0"
G11	20' - 0"	10' - 0"	-	CL	PT	-	HW-26	CL	1/C604	-	-	GATE OPERATOR, REMOTE ACCESS, PR 10'-0"
G12	3' - 0"	8' - 0"	-	CL	PT	H	SH9	CL				
G13	6' - 0"	8' - 0"		CL	PT	H	HW-1	CL	1/C604			SEE CIVIL, PAIR OF 3'-0"
G14	6' - 0"	8' - 0"		CL	PT	H	HW-1	CL	1/C604			SEE CIVIL, PAIR OF 3'-0"
G15	6' - 0"	8' - 0"		CL	PT	H	HW-1	CL	1/C604			SEE CIVIL, PAIR OF 3'-0"
G16	6' - 0"	8' - 0"		CL	PT	H	HW-1	CL	1/C604			SEE CIVIL, PAIR OF 3'-0"
G17	3' - 0"	8' - 0"		CL	PT	H	HW-1	CL	1/C604			SEE CIVIL
G18	6' - 0"	8' - 0"		CL	PT	H	HW-1	CL	1/C604			SEE CIVIL, PAIR OF 3'-0"

4

NOTE:
- ALL DOORS SHALL HAVE A MAXIMUM OF 5LBS OF FORCE TO OPERATE.
- ALL DOORS SHALL HAVE 10" SMOOTH UNINTERUPTED SURFACE ACCROSS BOTTOM OF DOOR.
-FOR THRESHOLD AT ALL EXTERIOR DOORS SEE 10/A803.

DOOR SCHEDULE (BLDG B)

DOOR #	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR FINISH	DOOR TYPE	HARDWARE	FRAME MATERIAL	FRAME JAMB	FRAME HEAD	FRAME SILL	COMMENTS
B129.1	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B129.2	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B129.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B129B.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-20	HM-3				
B129C.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-		PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B129D.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-		PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B133.1	6' - 0"	7' - 0"	2"	HM	PT	C	HW-21	HM-1				PAIR OF 3'-0", LEFT INACTIVE
B133.2	6' - 0"	7' - 0"	2"	HM	PT	C	HW-21	HM-1				PAIR OF 3'-0", LEFT INACTIVE
B133.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B133B.1	3' - 0"	7' - 0"	2"	WD	ST	D	HW-6	HM-1				
B134.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-9	HM-1				
B135.1	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B135.2	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B135.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B135B.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-20	HM-3				
B135C.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B135D.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	CHAIN LINK GATE
B136.1	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B136.2	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B136.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B136.4	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B136B.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-20	HM-3				
B136C.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B136D.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	CHAIN LINK GATE
B138.1	6' - 0"	7' - 0"	2"	HM	PT	C	HW-21	HM-1				PAIR OF 3'-0", LEFT INACTIVE
B138.2	6' - 0"	7' - 0"	2"	HM	PT	C	HW-21	HM-1				PAIR OF 3'-0", LEFT INACTIVE
B138.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B138B.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HM-6	HM-1				
B139.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-9	HM-1				
B140.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B140.2	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B140.3	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B140.4	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B140.5	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B140B.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-20	HM-3				
B140C.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B140D.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	CHAIN LINK GATE
B141.1	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B141.2	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B141.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B141.4	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B141.5	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B141B.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-20	HM-3				
B141C.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	CHAIN LINK GATE
B141D.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B144.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-17	HM-1				
B145.1	16' - 0"	16' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B145.2	16' - 0"	16' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B145.3	3' - 0"	7' - 0"	-	HM	PT	B	HW-17	HM-1				
B145.4	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B145.5	12' - 0"	14' - 0"	-			F/F1	HW-1					OVERHEAD GRILLE / ROLL-UP
B145.6	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B145B.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-20	HM-3				
B145C.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	CHAIN LINK GATE
B145D.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B147.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-22	HM-1				
B148.1	6' - 0"	7' - 0"	2"	HM	PT	C	HW-21	HM-1				PAIR OF 3'-0", LEFT INACTIVE
B148.2	6' - 0"	7' - 0"	2"	HM	PT	C	HW-21	HM-1				PAIR OF 3'-0", LEFT INACTIVE
B148.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B148.D.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-6	HM-1				
B149.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-9	HM-1				
B150.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-17	HM-1				
B151.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-9	HM-1				PROVIDE DOOR LOUVER
B152.1	12' - 0"	14' - 0"	-			F/F1	HW-1					ROLL-UP / OVERHEAD GRILLE
B152.2	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B152.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1 2				
B152B.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-20	HM-3				
B152C.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B152D.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	CHAIN LINK GATE
B153.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-22	HM-1 2				
B154.1	6' - 0"	7' - 0"	2"	HM	PT	C	HW-21	HM-4				PAIR OF 3'-0", LEFT INACTIVE
B154.2	6' - 0"	7' - 0"	2"	HM	PT	C	HW-21	HM-4				PAIR OF 3'-0", LEFT INACTIVE
B154.4	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B154B.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-6	HM-1				
B155.1	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B155.2	12' - 0"	14' - 0"				F/F1	HW-1					
B155.3	3' - 0"	7' - 0"	2"	HM	PT	B	HW-17	HM-1				
B155B.1	3' - 0"	7' - 0"	2"	HM	PT	C	HW-20	HM-3				
B155C.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	PAIR OF 3'-0" CHAIN LINK GATE, LEFT INACTIVE
B155D.1	3' - 0"	7' - 0"	-	CL	PT	H	HW-19	CL	-	-	-	CHAIN LINK GATE
B156A.1	3' - 0"	7' - 0"	1 3/4"	WD	ST	D	HW-6	HM-1				
B156B.1	3' - 0"	7' - 0"	2"	HM	PT	A	HW-17	HM-1				



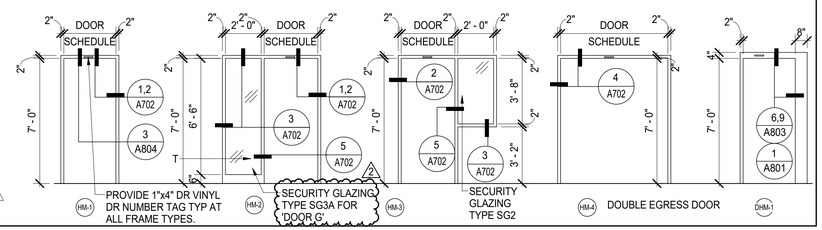
ABBREVIATIONS:

HM	HOLLOW METAL
CL	CHAIN LINK
WD	WOOD
ST	STAINED
PT	PAINTED
T	TEMPERED

ENHANCEMENT #2:
PROVIDE AND INSTALL ROLL-UP DOOR GRILLES AT ALL ROLL-UP DOORS ON NORTH SIDE OF BUILDING B.

NOTE:
FOR TYP GLAZING STOP AT DOORS, SEE 2/A810

DOOR FRAME DIMENSIONS SHOWN ARE TO ROUGH OPENING.



LAST REVISION: 2/23/2017 1:32:51 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT GORDON W. ROGERS Exp. 9/30/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspections. One set of approved plans shall be available on the project site at all times.

Reviewed by: _____

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
DOOR SCHEDULE

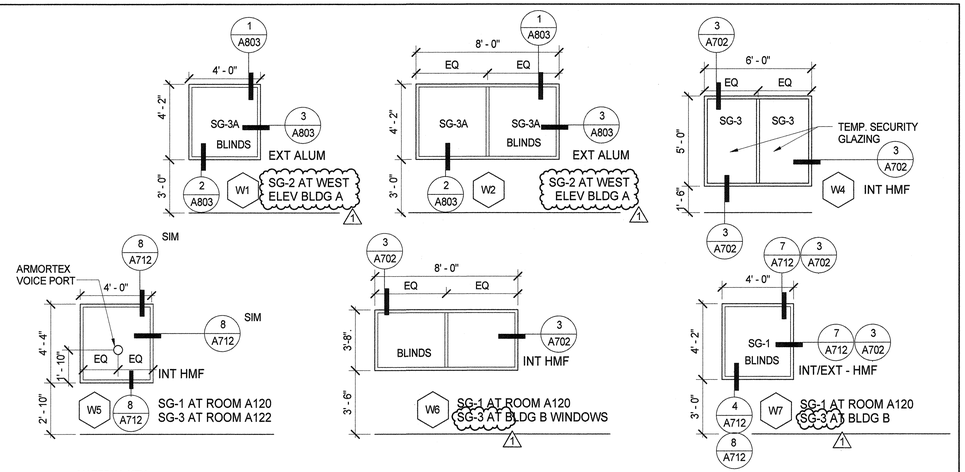
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REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2	ADDENDUM #2	2/10/2017
4	ADDENDUM #4	2/24/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A801

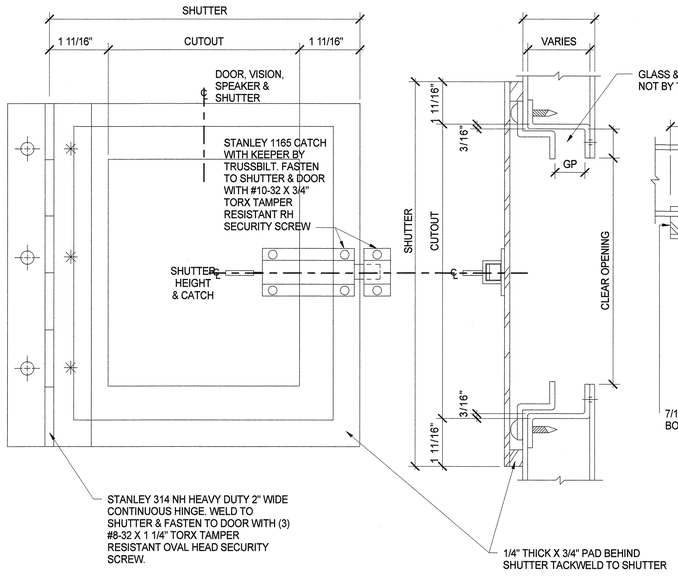
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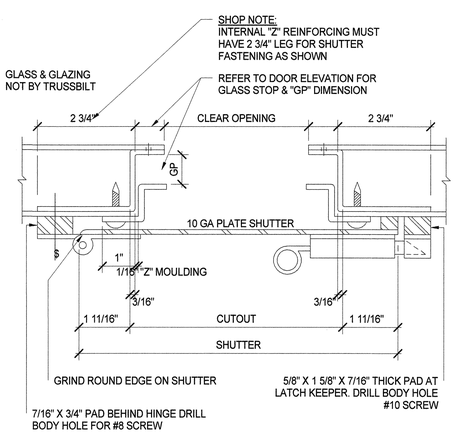
SG-1/2/3/3A SECURITY GLAZING LEVEL. SEE SPECIFICATIONS FOR ADD'L INFO.
BLINDS PROVIDE BLINDS AT WINDOW TYPES SHOWN BELOW HEADER AND INSIDE JAMB ROUGH OPENING.

1 — 1/4" = 1'-0"
WINDOW SCHEDULE (WINDOW DIMENSIONS SHOWN ARE TO ROUGH OPENING)



VISION & WITH HINGED SHUTTER

VERTICAL SECTION



HORIZONTAL SECTION THRU SHUTTER

4 — 6" = 1'-0"
OBS-3A BARREL LOCK

LAST REVISION: 1/19/2017 4:04:25 PM

KITCHELL
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2450 Venture Oaks Way
Suite 500
Sacramento, CA. 95833
(916) 648-9700

LICENSED ARCHITECT
GORDON W. ROGERS
Exp. 08/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
WINDOW SCHEDULES

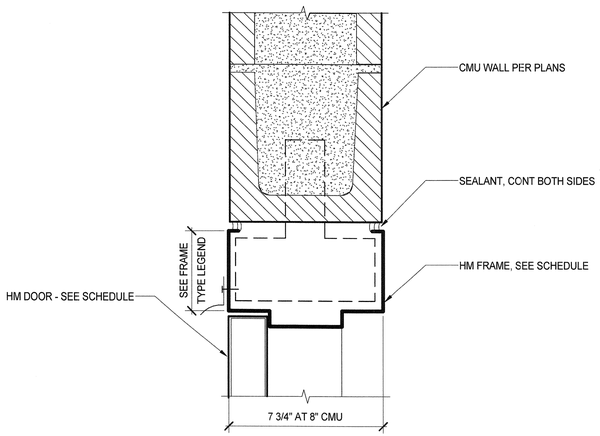
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REVISIONS

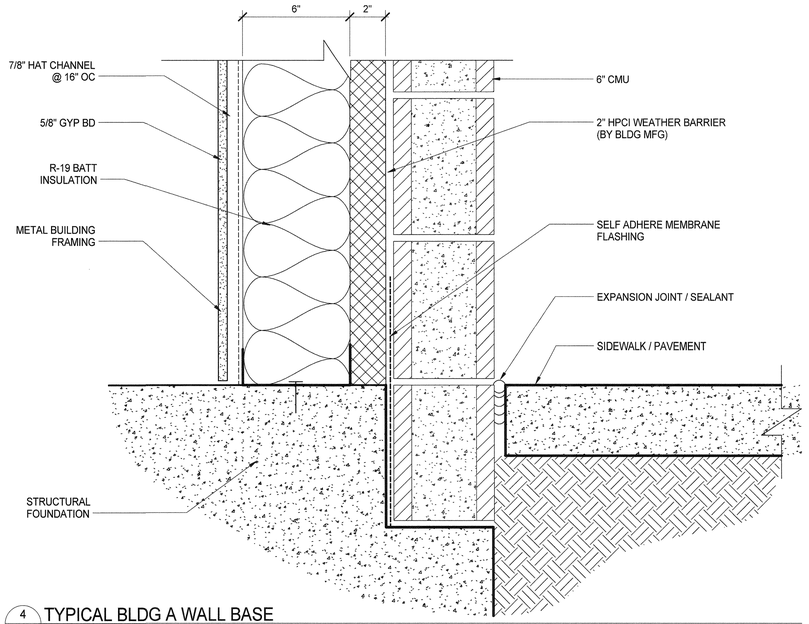
No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A802

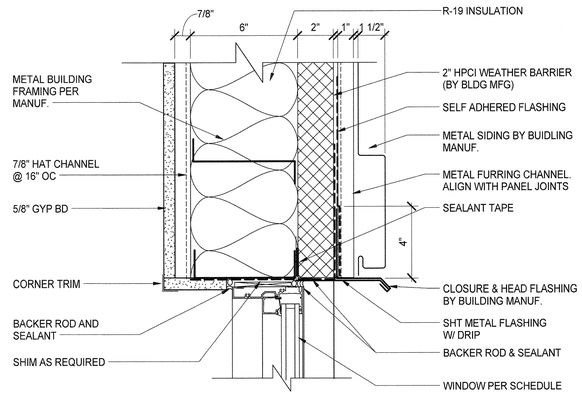
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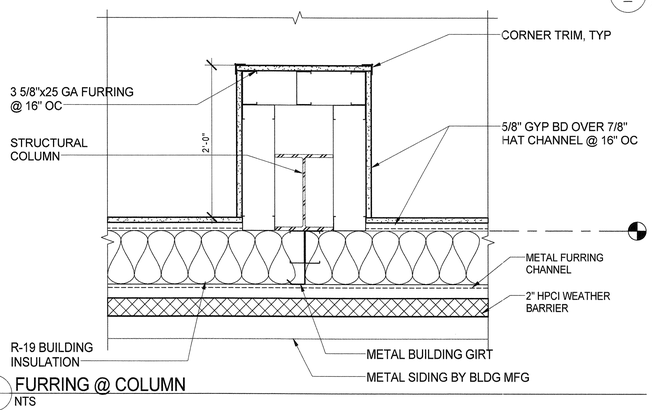
6 — DOOR HEAD AT CMU
NTS



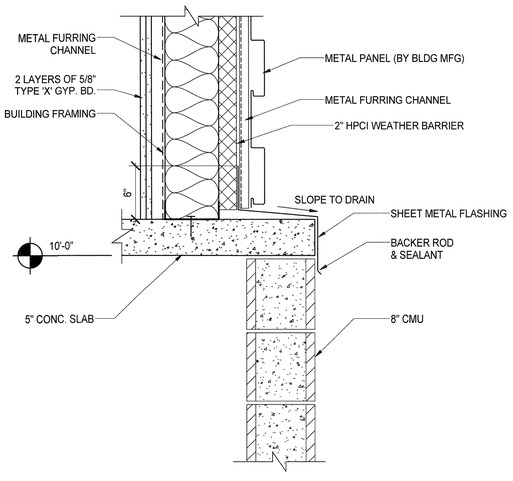
4 — TYPICAL BLDG A WALL BASE
3" = 1'-0"



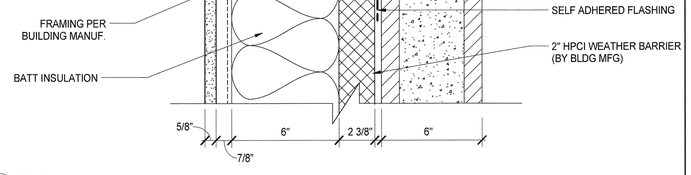
1 — TYPICAL WINDOW HEAD
3" = 1'-0"



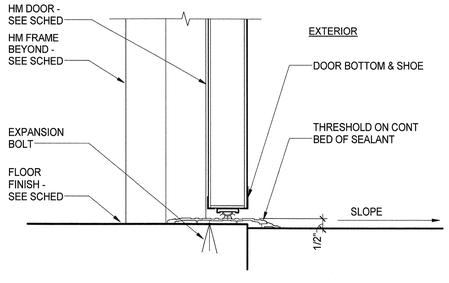
8 — FURRING @ COLUMN
NTS



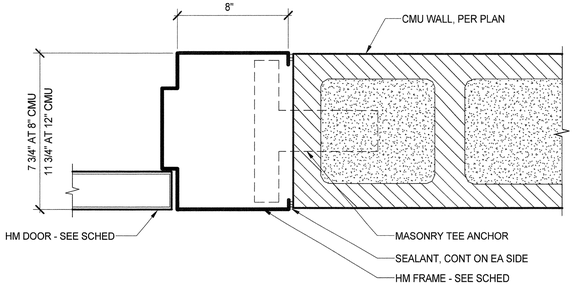
5 — METAL SIDING ATTACH. @ CMU WALL
1 1/2" = 1'-0"



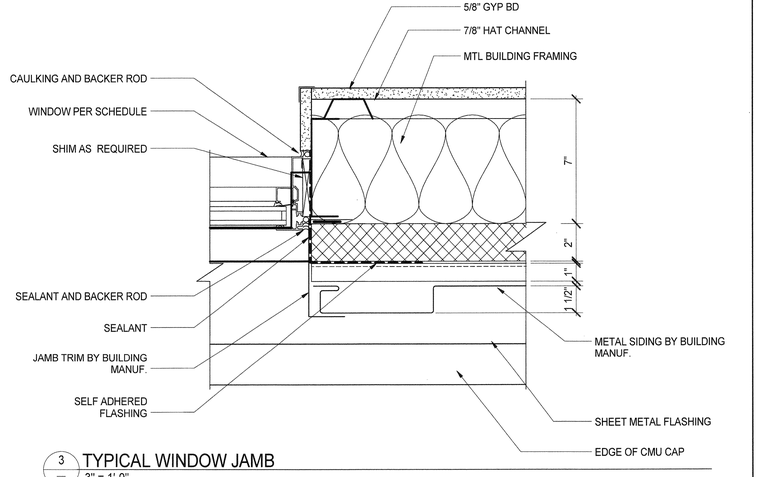
2 — TYPICAL WINDOW SILL
3" = 1'-0"



10 — DOOR THRESHOLD - EXTERIOR
NTS



9 — DOOR JAMB AT CMU
NTS



3 — TYPICAL WINDOW JAMB
3" = 1'-0"

LAST REVISION: 11/8/2016 12:58:53 PM

KITCHELL
Capital Expenditure Managers
2450 Venture Oaks Way
Suite 500
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(916) 648-9700

LICENSED ARCHITECT
GORDON W. ROGERS
Exp. 6/31/17
ARCHITECT
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL EXTERIOR OPENING DETAILS

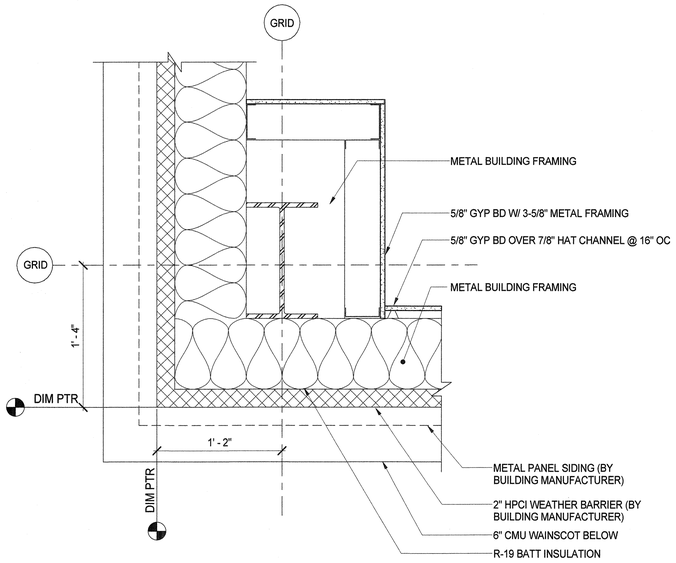
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REVISIONS

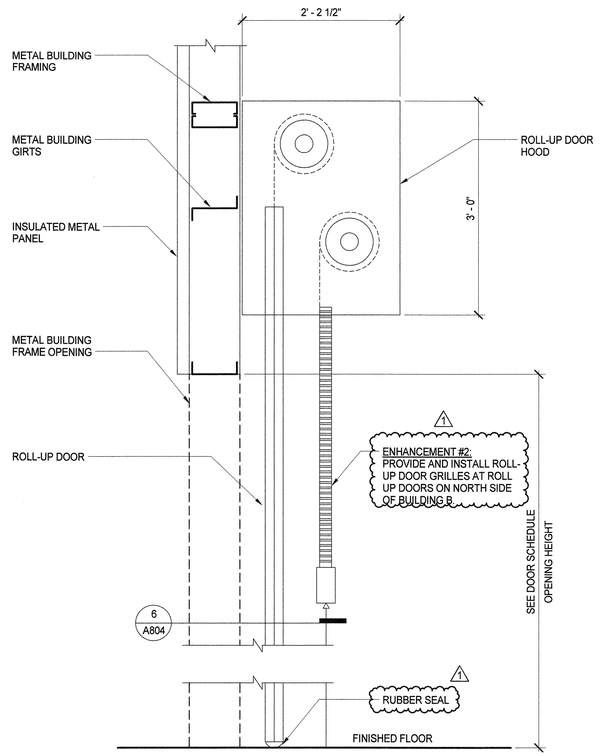
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A803**

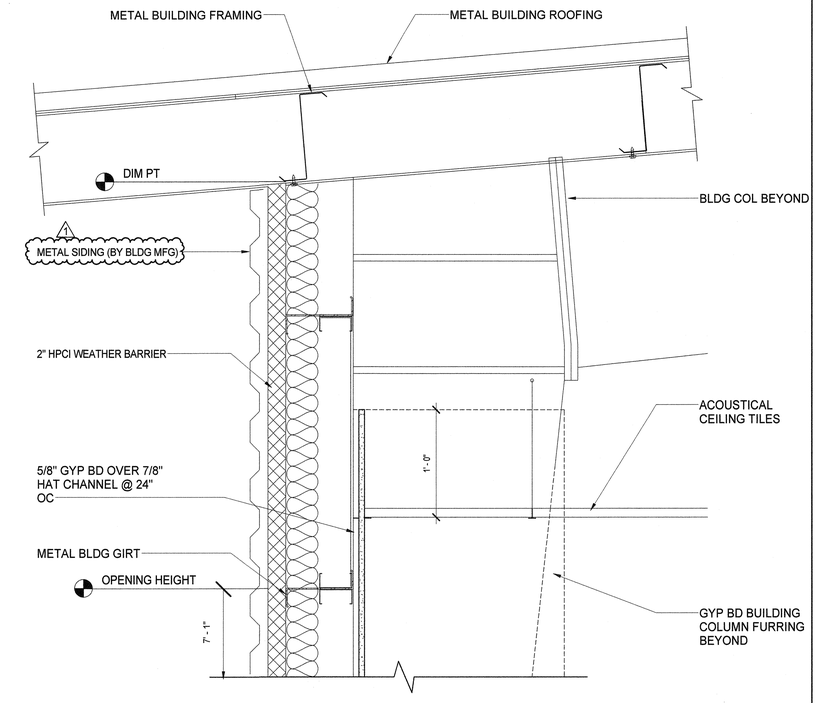
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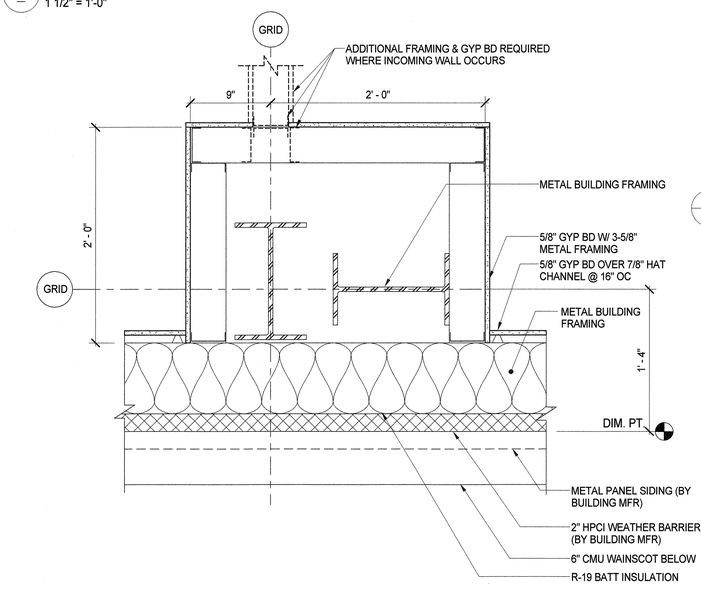
7 TYPICAL COLUMN FURRING
1 1/2" = 1'-0"



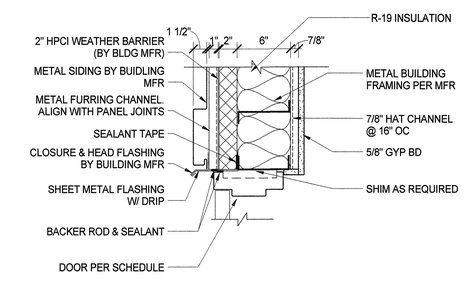
4 TYPICAL ROLL UP DOOR
1" = 1'-0"



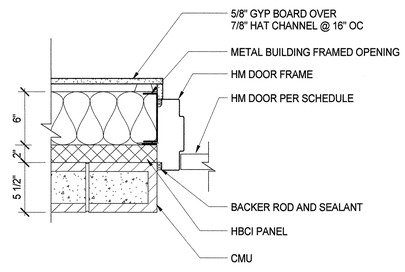
1 WALL SECTION
1 1/2" = 1'-0"



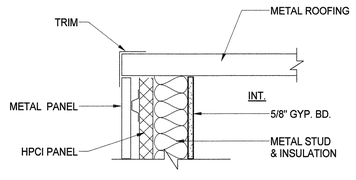
8 TYPICAL PORTAL FRAME FURRING
1 1/2" = 1'-0"



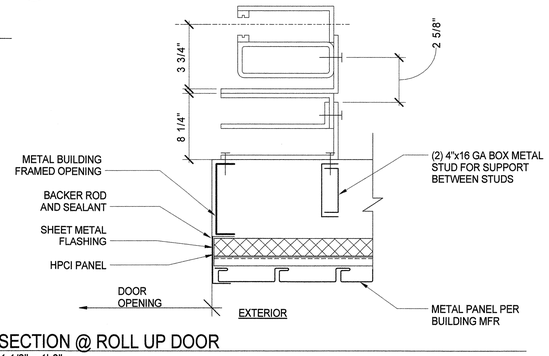
2 TYPICAL DOOR HEAD
1 1/2" = 1'-0"



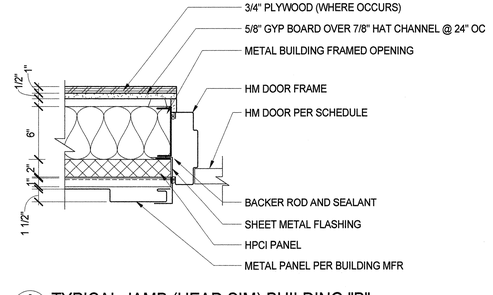
5 TYPICAL DOOR JAMB (AT HINGE SIDE BUILDING "A")
1 1/2" = 1'-0"



9 RAKE DETAIL
1 1/2" = 1'-0"



6 SECTION @ ROLL UP DOOR
1 1/2" = 1'-0"



3 TYPICAL JAMB (HEAD SIM) BUILDING "B"
1 1/2" = 1'-0"

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2450 Venture Oaks Way
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LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: GSR 1/20/17

SOLANO COUNTY FIRE PROTECTION DISTRICT

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL EXTERIOR DETAILS

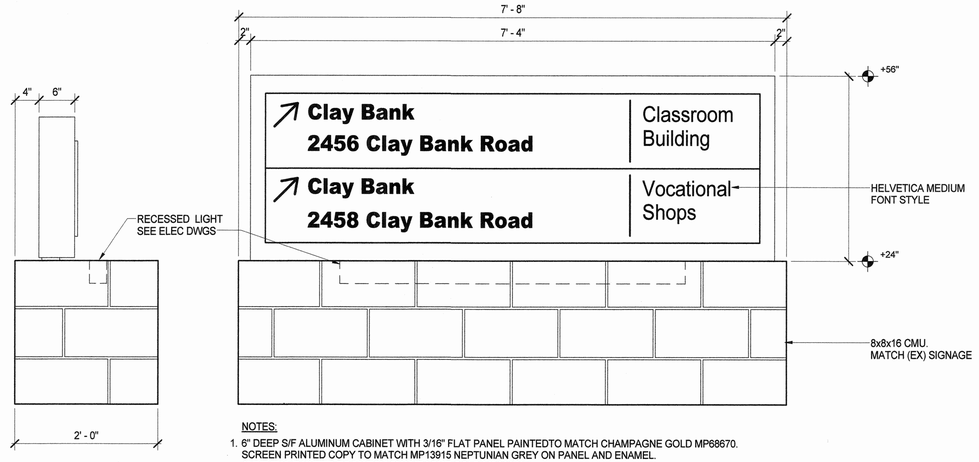
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REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A804

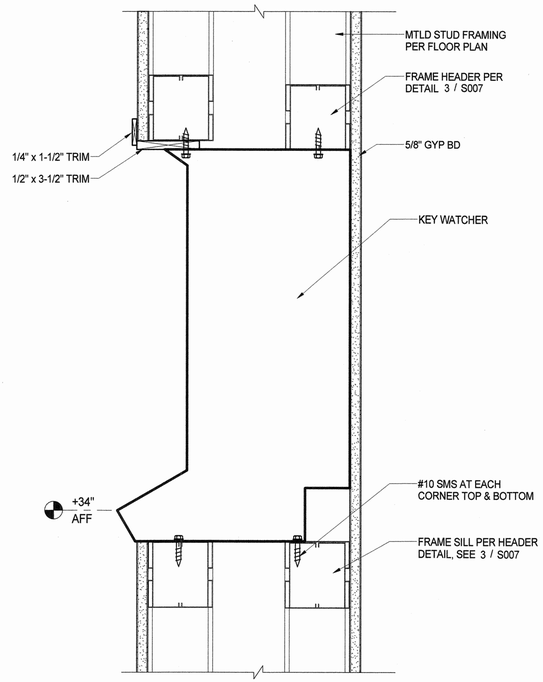
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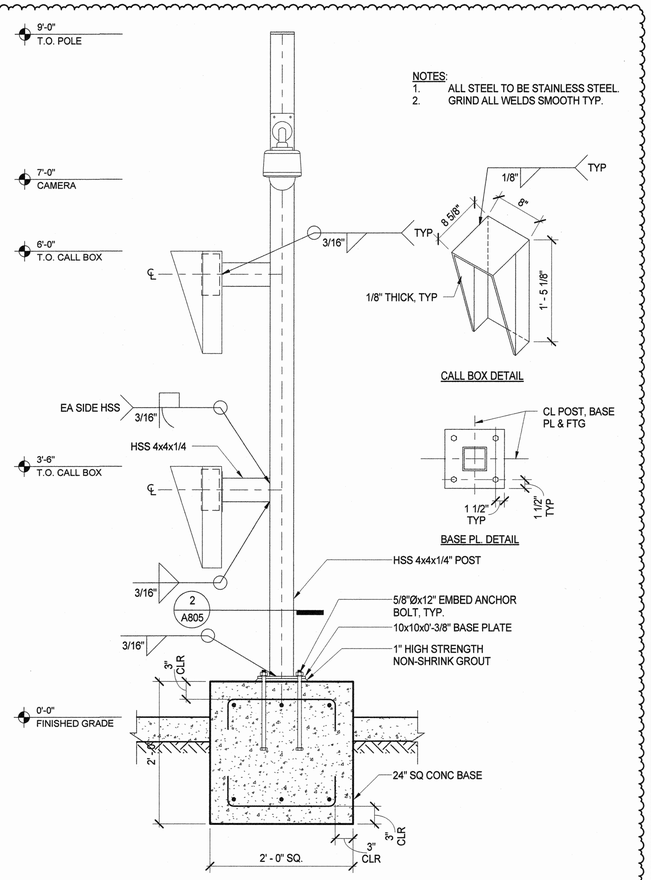
NOTES:

1. 6" DEEP S/F ALUMINUM CABINET WITH 3/16" FLAT PANEL PAINTEDTO MATCH CHAMPAGNE GOLD MP68670. SCREEN PRINTED COPY TO MATCH MP13915 NEPTUNIAN GREY ON PANEL AND ENAMEL. 1" REVEAL PAINTED TO MATCH CHAMPAGNE GOLD MP68670. 3"x3" SQ. TUBE THROUGHOUT CABINET, BASE AND CONCRETE.
2. USE HELVETICA MEDIUM AND HELVETICA BOLD FONTS ON MONUMENT SIGN.

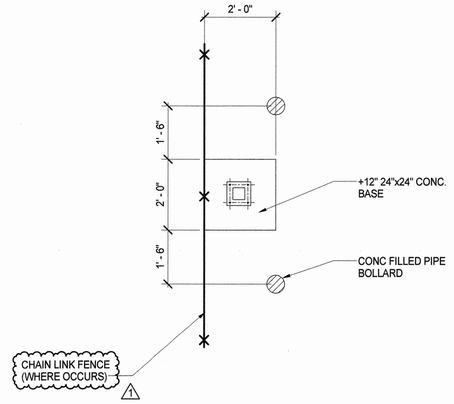
3 — MONUMENTAL SIGNAGE
1" = 1'-0"



4 — KEY WATCHER BLDG A
3" = 1'-0"



1 — CALL BOX STAND
1" = 1'-0"



2 — CALL BOX BASE PLAN
1/2" = 1'-0"

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Reviewed by: 1/20/17

SOLANO COUNTY

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2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
EXTERIOR AND INTERIOR DETAILS

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

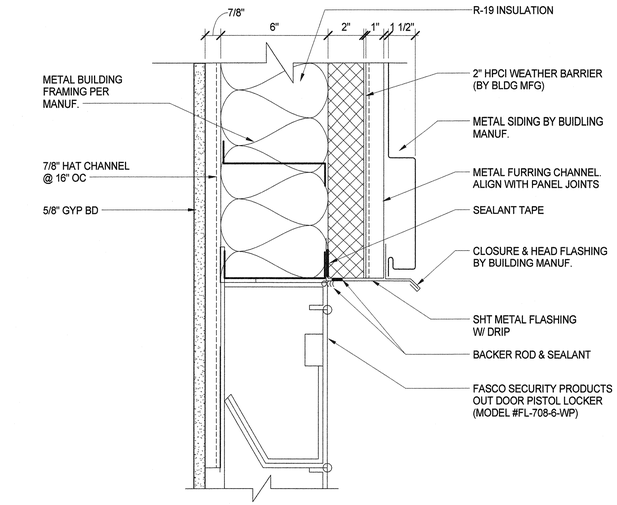
REVISIONS

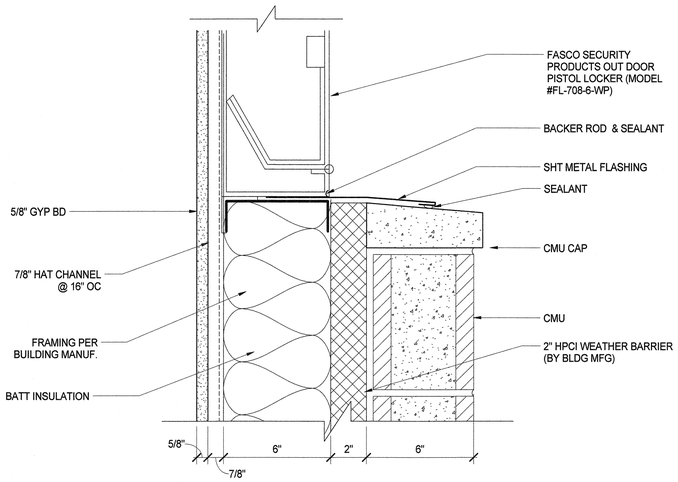
No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A805

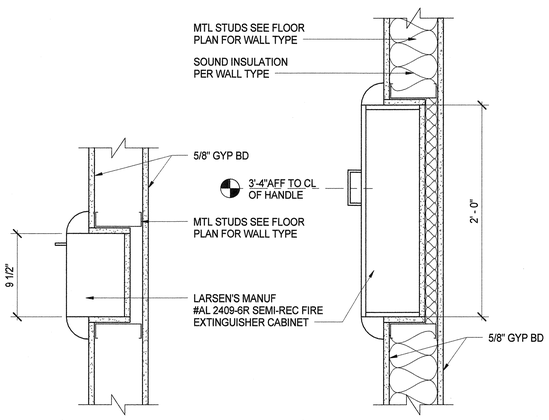
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LAST REVISION: 1/19/2017 4:04:29 PM

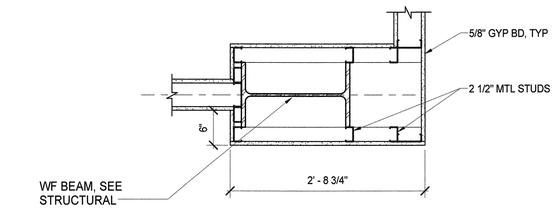




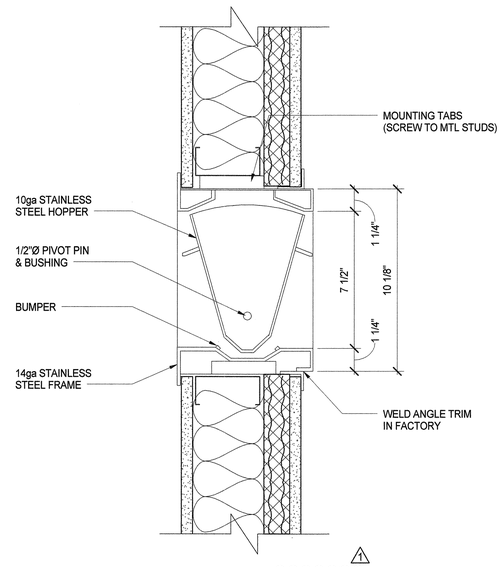
7 — 3" = 1'-0"
PISTOL LOCKER HEAD / SILL DETAIL



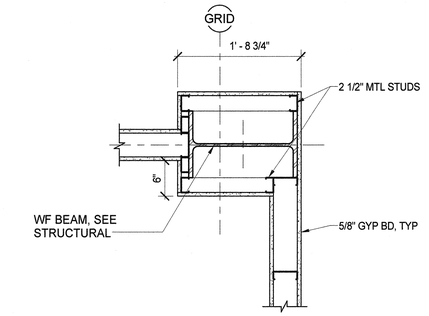
8 — 1 1/2" = 1'-0"
FIRE EXTINGUISHER CABINET



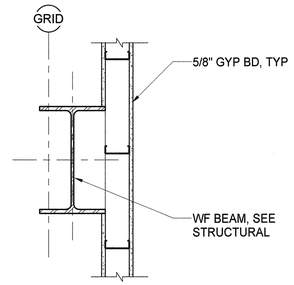
5 — 1" = 1'-0"
WALL @ COLUMN DETAIL - B



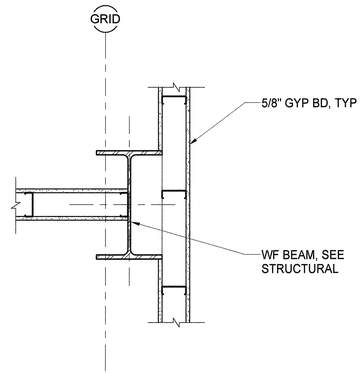
6 — 3" = 1'-0"
PASS THROUGH DETAIL



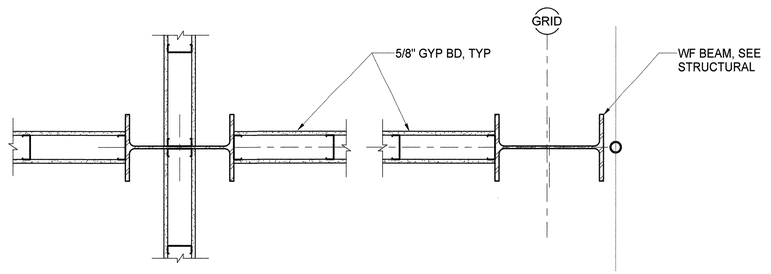
1 — 1" = 1'-0"
WALL @ COLUMN DETAIL



2 — 1" = 1'-0"
WALL @ COLUMN DETAIL - A



3 — 1" = 1'-0"
WALL @ COLUMN DETAIL - C



4 — 1" = 1'-0"
WALL @ COLUMN DETAIL - D

LAST REVISION: 1/19/2017 4:04:32 PM

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 08/31/17 ARCHITECT STATE OF CALIFORNIA

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Reviewed by: 1/20/17

SOLANO COUNTY

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
EXTERIOR AND INTERIOR DETAILS

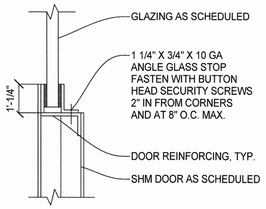
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REVISIONS

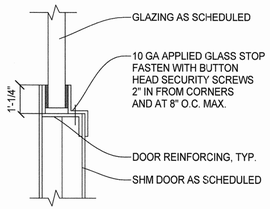
No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A806

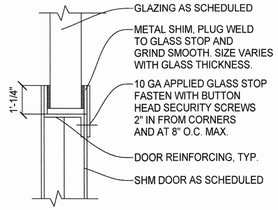
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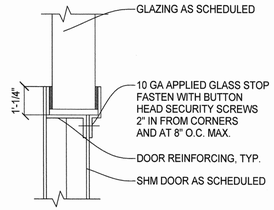
A GLAZING UP TO 1/2" THICK



B GLAZING THICKER THAN 1/2" UP TO 3/4" THICK



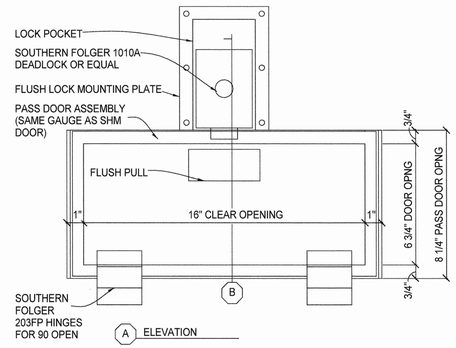
C GLAZING THICKER THAN 3/4" UP TO 1 3/8" THICK



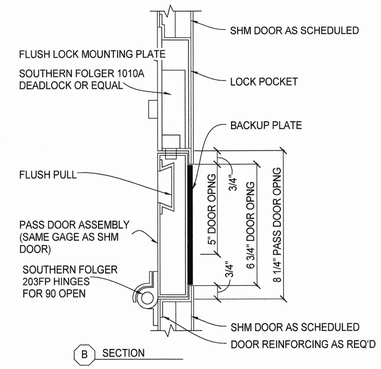
D GLAZING THICKER THAN 1 3/8"

NOTE: GLASS STOPS SHALL HAVE MITERED CORNERS WELDED AND GROUND SMOOTH.

2 TYPICAL SECURITY DOOR GLASS STOP DETAILS
1" = 1'-0"

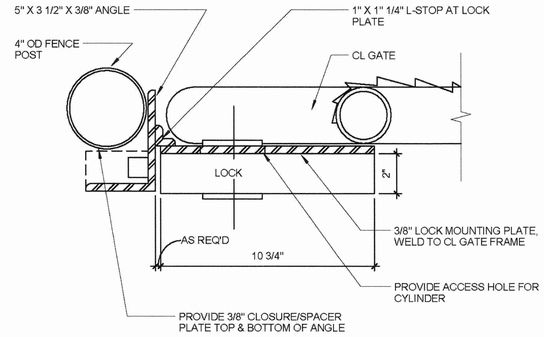


A ELEVATION

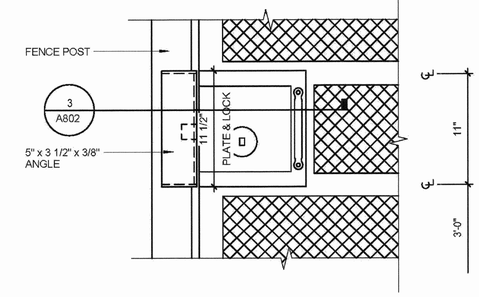


B SECTION

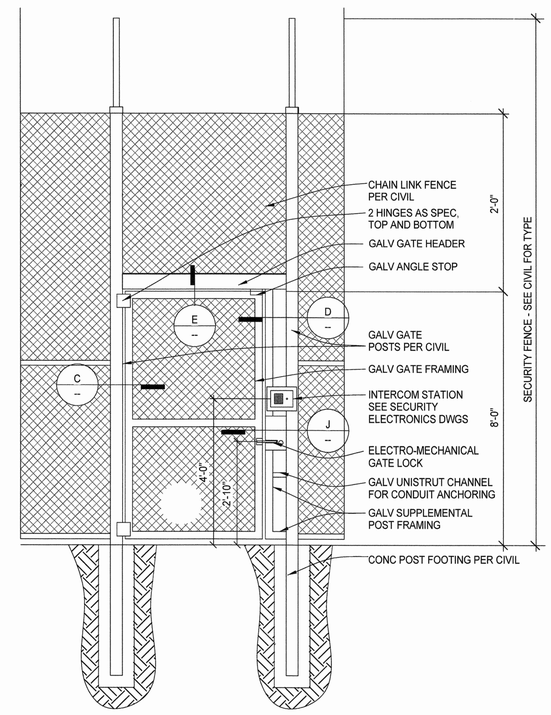
1 TYPICAL FLUSH MOUNT SHIM DOOR PASS / CUFF PORT DETAILS
3" = 1'-0"



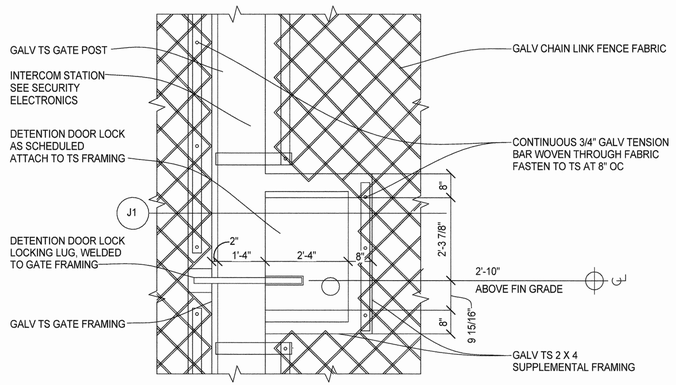
4 FENCE LOCK SECTION (NON-ELECTRICAL)
NTS



5 TYP FENCE LOCK ELEV (NON-ELECTRICAL)
NTS



3 ELEVATION AT ELECTRO-MECHANICAL GATE LOCK
1/2" = 1'-0"



J ELECTRO-MECHANICAL GATE LOCK
1/2" = 1'-0"

LAST REVISION: 11/8/2016 12:59:01 PM

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LICENSED ARCHITECT GORDON W. ROGERS Exp. 8/31/17 ARCHITECT STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
TYPICAL CHAIN LINK AND GATE DETAILS

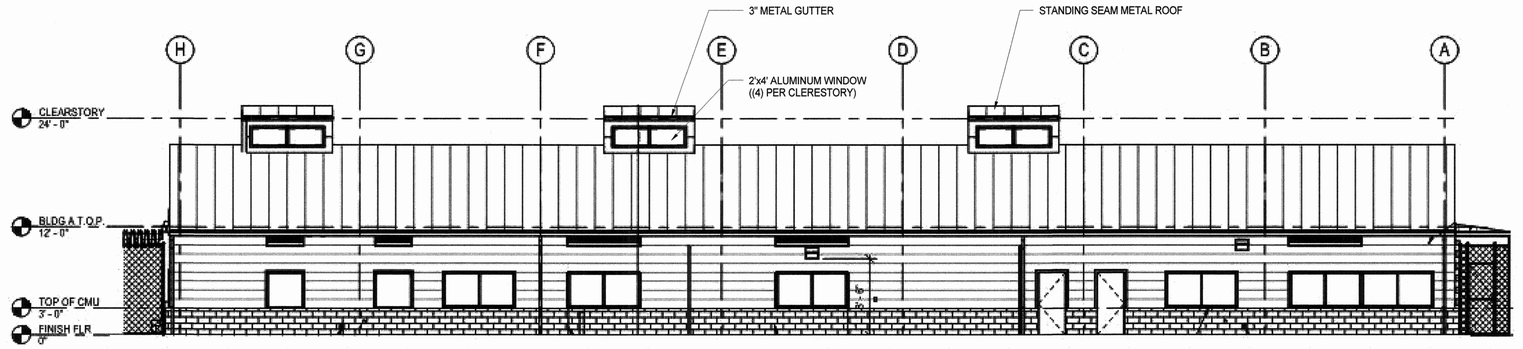
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REVISIONS

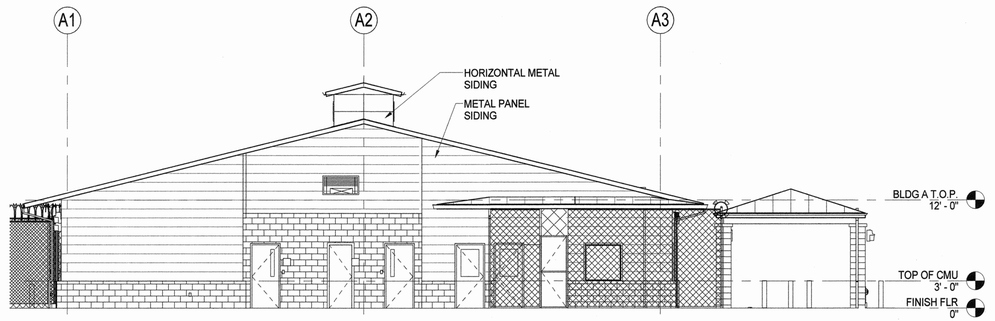
No.	Description	Date

JOB NO. 4907A3
DATE 11/9/2016
SHEET **A810**

C:\BIM\CLAYBANK VOCED_asilja@kitchell.com.rvt



1/— BUILDING A-WEST (ENHANCEMENT #8) ***BUILDING ELEVATIONS ARE ONLY SHOWN TO REFLECT THE SCOPE OF WORK FOR ENHANCEMENT #8**
1/8" = 1'-0"



2/— BUILDING A - SOUTH (ENHANCEMENT #8)
1/8" = 1'-0"

***BUILDING ELEVATIONS ARE ONLY SHOWN TO REFLECT THE SCOPE OF WORK FOR ENHANCEMENT #8**

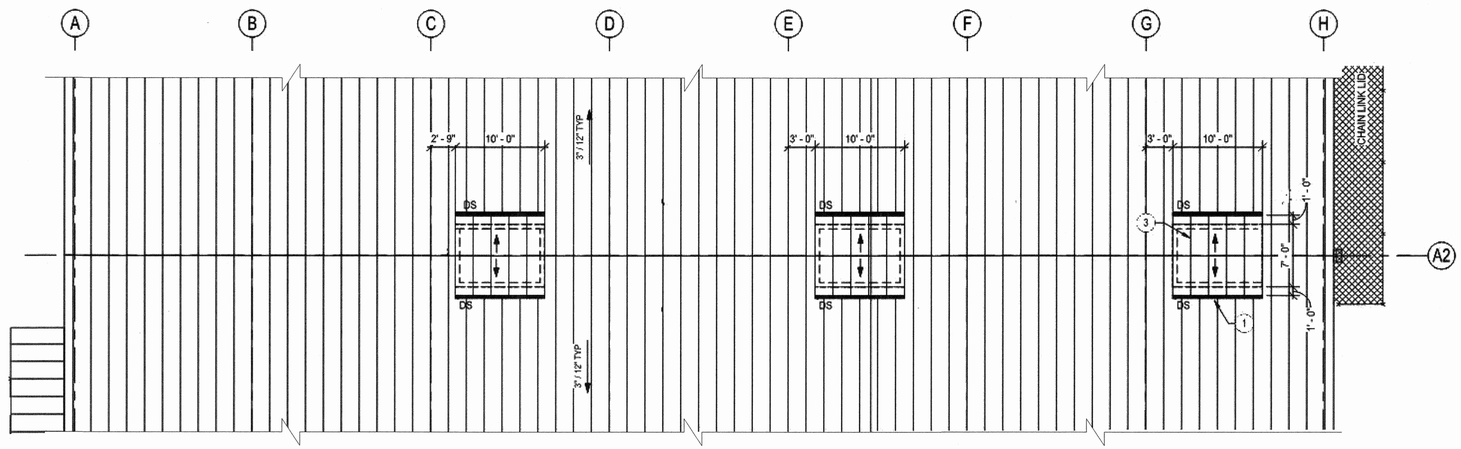
ROOF LEGEND

ROOF SLOPE 3:12 TYP

DS DOWNSPOUT

KEYNOTES:

1. 3" METAL GUTTER
2. NOT USED
3. STANDING SEAM METAL ROOFING



3/— PARTIAL ROOF PLAN (ENHANCEMENT #8)
1/8" = 1'-0"

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 1/20/17

SOLANO COUNTY SB 1022 CLASSROOM AND VOCATIONAL TRAINING CENTER
2500 CLAY BANK ROAD
FAIRFIELD, CA 94533

SOLANO COUNTY

SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ENHANCEMENT #8 ELEVATIONS & PARTIAL ROOF PLAN

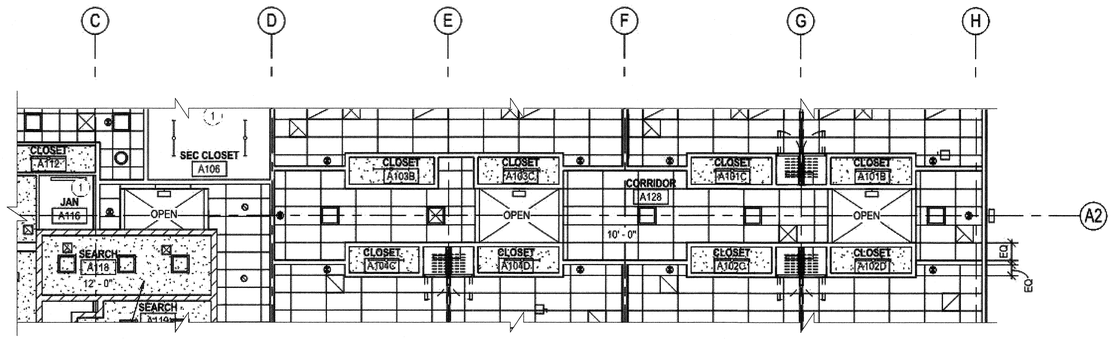
SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

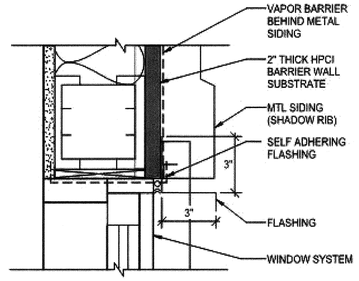
JOB NO. 4907A3
DATE 11/9/2016
SHEET A901 1

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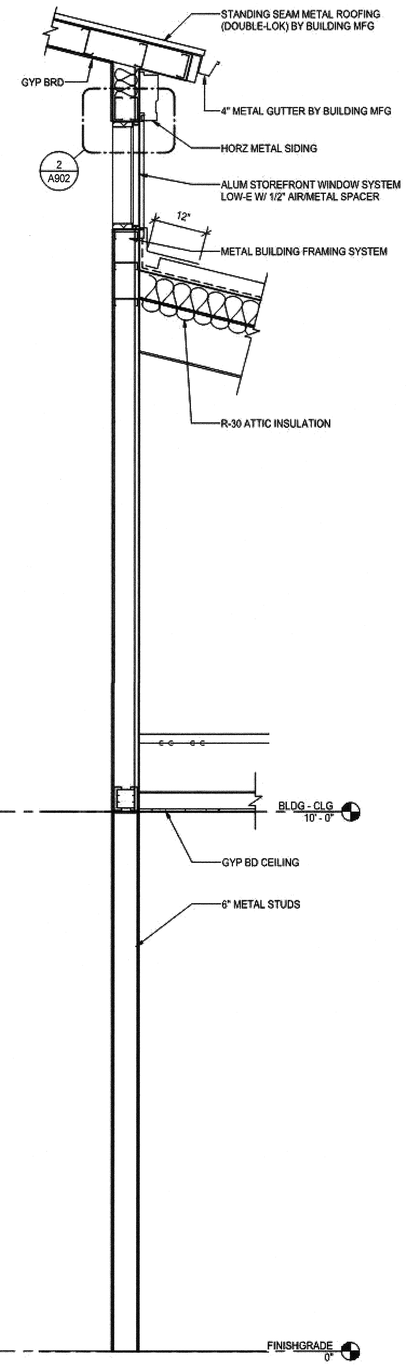


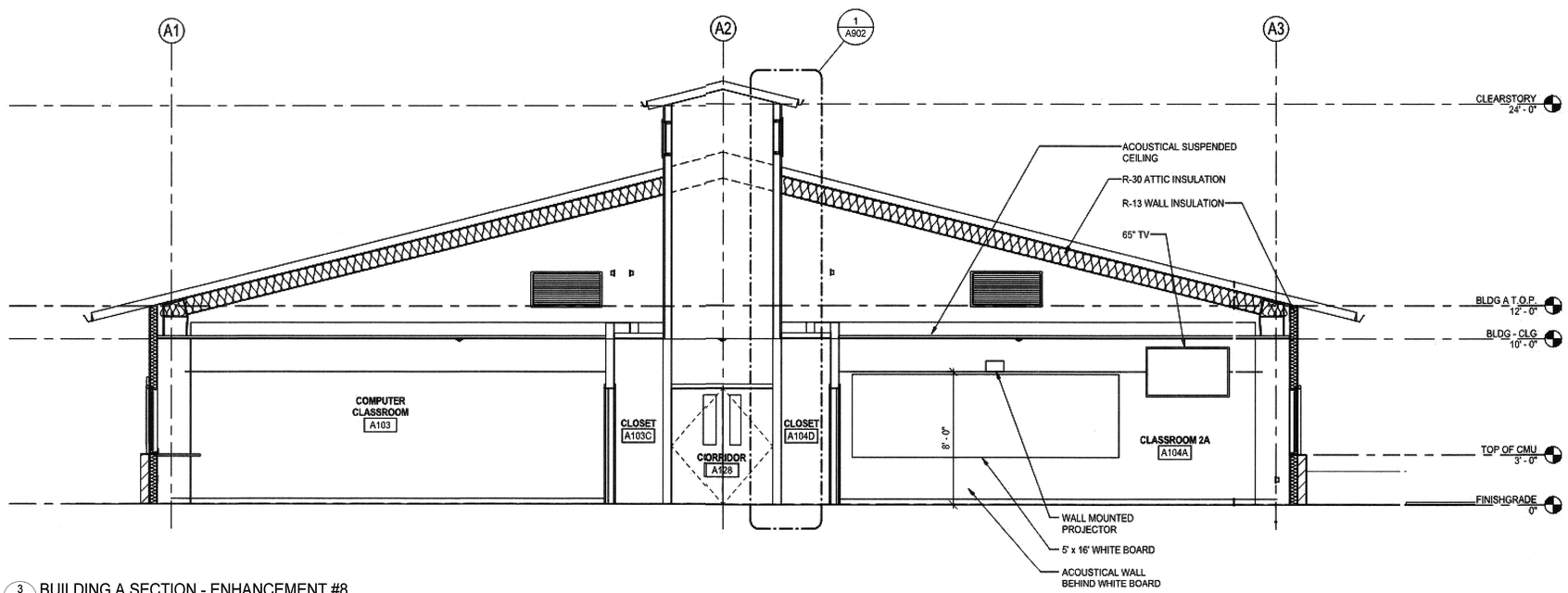
1. MODIFY BASE BID ELECTRICAL, MECHANICAL, FIRE PROTECTION, FIRE ALARM, ELECTRICAL SECURITY AS REQUIRED TO ACCOMODATE PROPOSED SKYLIGHTS.
2. PROVIDE 1x FIXTURE TYPE 'C' PER LIGHT FIXTURE SCHEDULE ON SHEET E902 AT EACH SKYLIGHT.

4 — PARTIAL REFLECTED CEILING PLAN-BLDG A (ENHANCEMENT #8)
3/4" = 1'-0"



2 — BLDG A SECTION @ WINDOW HEAD (ENHANCEMENT #8)
1 1/2" = 1'-0"





3 — BUILDING A SECTION - ENHANCEMENT #8
1/4" = 1'-0"

1 — BUILDING A -WALL DETAIL AT SKYLIGHT (EHANCEMENT #8)
3/4" = 1'-0"

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Reviewed by: [illegible] 1/20/17

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SOLANO COUNTY

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PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ENHANCEMENT #8-WALL SECTIONS

SCALE: 0 1/2 1 — BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017
2		
3		
4		
5		
6		

JOB NO. 4907A3
DATE 11/9/2016
SHEET A902

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ARCHITECTURAL NARRATIVE

THE COMPLETE DESIGN OF THE MEZZANINES AND ACCESS STAIRS SERVING THE MEZZANINES ARE INCLUDED AND SHOWN AS PART OF THE CONSTRUCTION DOCUMENTS FOR REFERENCE ONLY. THY ARE NOT TO BE INCLUDED IN THE BASE BID. EACH MEZZANINE AND ACCESS STAIR IS CONSIDERED A SEPARATE ENHANCEMENT AS DESCRIBED ON SHEET G001 AND ILLISTRATED ON SHEET A903.

SEE THE FOLLOWING ITEMS TO ADD TO THE BASE BID PER EACH ENHANCEMENT:

1. SHEET A202 AND A203, DELETE KEYNOTE 7.
2. SHEET A204, DELETE MEZZANINES AND ACCESS STAIRS IN THEIR ENTIRETY. DELETE KEYNOTES 5,6, & 7.
3. SHEET A222 AND A223, DELETE KEYNOTE 5. PROVIDE GYPSUM BOARD CEILING AT +11'-0" AFF.
4. SHEET A401 DETAIL 2, DELETE REFERENCE TO PREFABRICATED METAL STAIRS, CHAIN LINK GUARDRAIL, AND CHAIN LINK SWING GATES. WALL TYPE C EXTENDS TO ROOF OVER CHAIN LINK TOOL ROOM ENCLOSURE AND OPENING TO TOILET ROOMS.
5. SHEET A402, SEE SECTION THROUGH CLASSROOM A903. EXTEND WALL TYPE C TO ROOF AT EACH SIDE OF CLASSROOM. DELETE R-19 INSULATION BETWEEN CLASSROOM ATTIC SPACE AND FORMER MEZZANINE. DELETE METAL STUD PARTITION THAT SEPARATES EACH SIDE OF MEZZANINE.
6. SHEET A501 DETAIL 4, DELETE 1 1/8" PLYWOOD SUBFLOOR, BATT INSULATION AT UNDERSIDE OF MEZZANINE, AND FLOOR JOIST.
7. SHEET A502 DETAIL 2, DELETE MEZZANINE FRAMING AND INSULATION. WALLS SEPARATING ROOMS EXTEND 6" ABOVE ADJACENT CEILINGS.
8. SHEET A603 DETAIL 1, DELETE REFERENCE TO PREFABRICATED METAL STAIRS, CHAIN LINK GUARDRAIL, AND CHAIN LINK SWING GATES. WALL TYPE C EXTENDS TO ROOF OVER CHAIN LINK TOOL ROOM ENCLOSURE AND OPENING TO TOILET ROOMS.
9. SHEET A702, DELETE DETAILS 6 & 7. WALL TYPE C EXTENDS TO ROOF.
10. SHEET A806, DELETE DETAILS 1, 2, 3, 4, 5 INDICATING FURRING AROUND STRUCTURAL COLUMNS.

STRUCTURAL NARRATIVE

THE FOLLOWING ITEMS ARE NOT INCLUDED IN THE BASE BID:

1. "PRE-ENGINEERED STEEL STAIR" NOTES ON SHEET S002.
2. TYPICAL DETAILS 9/S003, 6-8/S004, 3 & 4/S006 AND SHEET S005.
3. FOOTINGS F4 TO F9 & F11 AND COLUMNS (HSS OR WIDE FLANGE) SUPPORTED BY THESE FOOTINGS ON SHEETS S202 AND S203 WITH THE EXCEPTION OF FOOTING F5 FOR THE VEHICLE POST LIFT BETWEEN GRIDS 6 & 7 ON SHEET S202.
4. SHEET S222.
5. THE STEEL COLUMNS, STAIR AND FOOTINGS FOR THE PRE-ENGINEERED STAIR ON 2/S401.
6. DETAIL 8/S701.
7. SHEET S703.

THE FOLLOWING ITEMS ARE NOT INCLUDED IN ENHANCEMENT #23 TO #25:

1. ITEM NUMBERS 1 AND 2 NOTED ABOVE.
2. SHEETS S202 AND S203: MEZZANINE FOR EACH RESPECTIVE ENHANCEMENT- FOOTINGS F4 TO F9 AND F11 AND COLUMNS SUPPORTED BY THESE FOOTINGS.
3. SHEET S222: ENTIRE SHEET WITH EXCEPTION OF THE MEZZANINE FRAMING FOR EACH RERSPECTIVE ENHANCEMENT.
4. ITEM NUMBER 5 NOTED ABOVE.
5. ITEM NUMBER 6 NOTED ABOVE.
6. ITEM NUMBER 7 NOTED ABOVE.

FIRE PROTECTION NARRATIVE

FOR THE FIRE SPRINKLER SYSTEM BASE BID SCOPE WITHOUT MEZZANINES ALL OF THE CURRENTLY SHOWN FIRE SPRINKLER MAIN PIPING AND BRANCH LINE PIPING LOCATED ~~UNDER THE~~ ABOVE THE MEZZANINE ~~WILL NEED TO BE REMOVED~~ THE ROOMS CURRENTLY SHOWN BELOW THE MEZZANINES ARE TO REMAIN, WITH THE FIRE SPRINKLER HEADS PROVIDED WITH A 1" PIPE DROPPED DOWN FROM THE FIRE SPRINKLER SYSTEM AT THE ROOF. EACH FIRE SPRINKLER HEAD WILL REQUIRE ITS OWN 1" PIPE FROM THE FIRE SPRINKLER SYSTEM AT THE ROOF (SIMILAR TO BUILDING A PER FP401). N4-1/20/17.

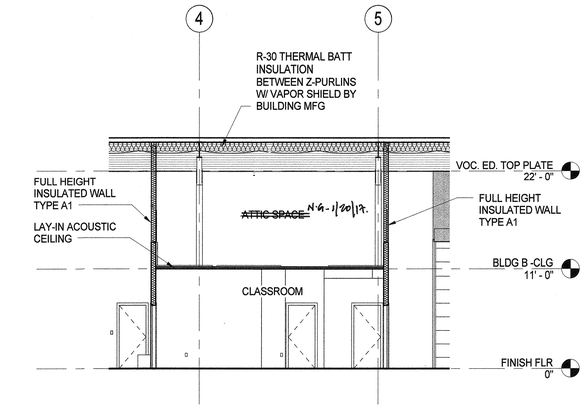
ELECTRICAL NARRATIVE

DELETE THE FOLLOWING ITEMS FROM THE BASE BID:

1. MEZZANINE LIGHTING TYPE S AND SE FIXTURES, LIGHT SWITCHES AND LIGHTING WIRING INDICATED ON SHEET E224.
2. MEZZANINE FIRE ALARM DEVICES THAT ARE INDICATED ON SHEET FA204.

MECHANICAL NARRATIVE

1. THE BASE BID MECHANICAL EQUIPMENT MOUNTING DETAILS REFERENCED IN DETAIL 6/M702 FC UNIT MOUNTING DETAIL, DETAIL 1/M703 BRANCH CIRCUIT CONTROLLER / INLINE FAN MOUNTING SHALL BE SUPPORTED TO ROOF PURLINS AS INDICATED.
2. THE MEZZANINE ENHANCEMENT MECHANICAL EQUIPMENT MOUNTING DETAILS REFERENCED IN DETAIL 6/M702 FC UNIT MOUNTING DETAIL, DETAIL 1/M703 BRANCH CIRCUIT CONTROLLER / INLINE FAN MOUNTING SHALL BE SUPPORTED TO MEZZANINE JOISTS AS INDICATED.
3. DELETE THE FOLLOWING MECHANICAL HVAC MEZZANINE ENHANCEMENT ITEMS FOR BASE BID:
   A. CEILING GRILLE AND TRANSFER AIR DUCT LOCATED IN TOOL ROOM B145C AND TOOL ROOM B140C AS INDICATED ON M202.
   B. CEILING GRILLE AND TRANSFER AIR DUCT LOCATED IN TOOL ROOM B129C AND TOOL ROOM B152C AS INDICATED ON M203.



1 — BUILDING B SECTION THROUGH CLASSROOM (BASE BID)
1/8" = 1'-0"

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Reviewed by: CFD 1/20/17

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SFM APPROVAL SET

PROJECT STATUS:
100% CONSTRUCTION DOCUMENTS

SHEET TITLE:
ENHANCEMENTS #23, #24, #25, #26

SCALE: 0 1/2 1 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

REVISIONS

No.	Description	Date
1	REVISION #1	1/20/2017

JOB NO. 4907A3
DATE 11/9/2016
SHEET A903 1

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