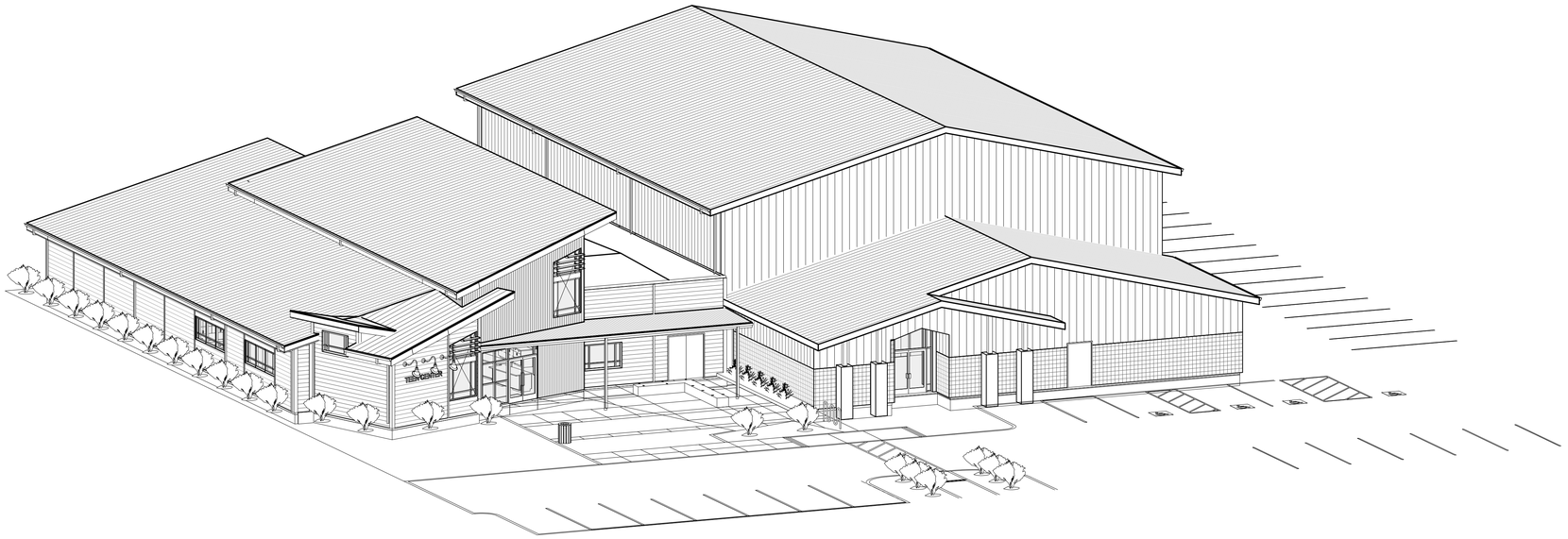
PROPOSED TEEN CENTER FOR:

McKinleyville Community Services District

McKINLEYVILLE TEEN CENTER

1685 GWIN ROAD, McKINLEYVILLE, CA



BID SET

VICINITY MAP

PROJECT TEAM

OWNER:
McKinleyville Community Services District
ADDRESS:
1656 Sutter Rd
McKinleyville, CA 95519
PHONE: 707-839-9003
CONTACT: Tony Franks
EMAIL: tfranks@stmaryshighschool.org

ARCHITECT:
LDA Partners, LLP
ADDRESS:
4 S. Central Ct.
Stockton, CA 95204
PHONE: 209-943-0405 **FAX:** 209-943-0415
CONTACT: Eric Wohle, AIA
EMAIL: ewohle@ldapartners.com
CONTACT: Carolyn Natividad, AIA
EMAIL: cnatividad@ldapartners.com

CIVIL ENGINEER:
SHN Engineering
ADDRESS:
812 W. Wabash Ave
Eureka, CA 95501
PHONE: 707-441-8855 **FAX:** 707-441-8877
CONTACT: Jared O'Barr, P.E. P.L.S.
EMAIL: jobarr@shn-engr.com

STRUCTURAL ENGINEER:
JH Lawder Inc Structural Engineers
ADDRESS:
717 16th Street, Suite 4
Modesto, CA 95354
PHONE: 209 521-1143 **FAX:** 209-521-1581
CONTACT: John Lawder, P.E.
EMAIL: john@jhlawderse.com

MECHANICAL ENGINEER:
Arc-Sine Engineering
ADDRESS:
950 Executive Way
Redding, CA 96002
PHONE: 209-222-7204
CONTACT: John Keller
EMAIL: jkeller@arc-sine.com

PLUMBING ENGINEER:
Arc-Sine Engineering
ADDRESS:
950 Executive Way
Redding, CA 96002
PHONE: 530-222-7204
CONTACT: Bob Kellet
EMAIL: bkellet@arc-sine.com

ELECTRICAL ENGINEER:
Arc-Sine Engineering
ADDRESS:
950 Executive Way
Redding, CA 96002
PHONE: 530-222-7204 **FAX:** 530-222-7210
CONTACT: Ed Philips
EMAIL: ephillips@arc-sine.com

SHEET INDEX

GENERAL
G0.00 COVER SHEET
G0.01 PROJECT DATA + NOTES
G0.02 CALGREEN MANDATORY MEASURES
G1.10 LIFE SAFETY PLAN
G2.00 SIGNAGE DETAILS
G3.00 ACCESSIBILITY NOTES
G3.10 ACCESSIBILITY DETAILS

CIVIL
C-1 STANDARD ABBREVIATIONS AND LEGENDS
C-2 DEMOLITION PLAN
C-3 SITE PLAN
C-4 GRADING PLAN
C-5 UTILITY PLAN
C-6 DETAILS
C-7 DETAILS
C-8 DETAILS
C-9 DETAILS

ARCHITECTURAL
A1.00 DEMOLITION SITE PLAN
A1.01 SITE PLAN
A1.02 SITE DETAILS
A1.03 SITE DETAILS
A1.04 SITE DETAILS
A3.00 DIMENSION FLOOR PLAN
A3.10 ANNOTATION FLOOR PLAN
A3.20 ENLARGED FLOOR PLANS
A4.00 LOWER & UPPER REFLECTED CEILING PLAN
A5.00 ROOF PLAN
A6.00 EXTERIOR ELEVATIONS
A7.00 BUILDING SECTIONS
A7.01 BUILDING SECTIONS
A7.02 WALL SECTIONS
A7.03 WALL SECTIONS
A8.00 INTERIOR ELEVATIONS
A9.00 ROOM FINISHES SCHEDULE, NOTES & DETAILS
A9.01 DOOR SCHEDULE
A9.02 STOREFRONT SCHEDULE
AD.01 DETAILS (WALL)
AD.02 DETAILS (CEILING)
AD.03 DETAILS (DOOR & WINDOW)
AD.04 DETAILS (DOOR & WINDOW)
AD.05 DETAILS (CASEWORK)
AD.06 DETAILS (ROOF)
AD.07 DETAILS (ROOF)

STRUCTURAL
S0.1 GENERAL NOTES & TYPICAL DETAILS
S0.2 TYPICAL DETAILS
S2.1 FOUNDATION PLAN
S2.2 ROOF FRAMING PLANS
S3.1 FRAMING ELEVATIONS
S5.1 FOUNDATION DETAILS
S8.1 FRAMING DETAILS

MECHANICAL
M0.0 MECHANICAL LEGEND, NOTES, SYMBOLS AND ABBREVIATIONS
M0.1 MECHANICAL SCHEDULES
M2.0 MECHANICAL PLAN
M4.0 MECHANICAL ROOF PLAN
M10.0 MECHANICAL DETAILS
M10.1 TITLE 24 FORMS
M10.2 TITLE 24 FORMS

PLUMBING
P0.0 LEGEND, NOTES, SYMBOLS AND ABBREVIATIONS
P0.1 PLUMBING EQUIPMENT SCHEDULES
P2.0 PLUMBING UNDERSLAB PLAN
P2.1 PLUMBING PLAN
P4.0 ROOF PLAN
P4.1 VENT ROOF PLAN AND SITE GAS PIPING PLAN
P9.0 DRAIN AND VENT RISER DIAGRAM
P9.1 POTABLE WATER AND NATURAL GAS RISER DIAGRAMS
P10.0 PLUMBING DETAILS

ELECTRICAL
E0.0 LEGEND AND GENERAL NOTES
E1.1 SITE PLAN
E2.0 ONE-LINE DIAGRAM AND SCHEDULES
E3.0 PARTIAL POWER PLAN
E3.1 PARTIAL ROOF PLAN
E4.0 PARTIAL LIGHTING PLAN
E4.1 PARTIAL LIGHTING PLAN
E5.0 DETAILS

FOOD SERVICE
FS1 GENERAL INFORMATION, NOTES
FS2 EQUIPMENT FLOOR PLAN EQUIPMENT SCHEDULE
FS3 PLUMBING PLAN/SCHEDULE/PLUMBING SYMBOLS/DETAILS
FS4 ELECTRICAL PLAN/SCHEDULE/ELECTRICAL SYMBOLS/DETAILS
FS5 PLUMBING/ELECTRICAL NOTES/REFRIGERATION NOTES
FS6 BACKING PLAN/DETAILS
FS7 HOOD DATA FIRE SUPRESSION SYSTEM
H1 EQUIPMENT SCHEDULES

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT ERIC WILLIAM WOHLE C29388 September 2015 STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

COVER SHEET

G0.00

10/1/2014 4:37:57 PM

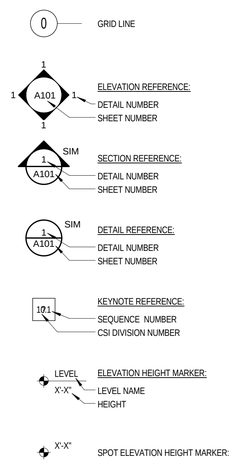
ABBREVIATIONS

ANOD	ANODIZED
A.C.	AIR CONDITIONER
ABV	ABOVE
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT
B.O.	BOTTOM OF
BALC	BALCONY
BD	BOARD
BET	BETWEEN
BLDG	BUILDING
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BOT	BOTTOM
BRKT	BRACKET
BULKHD	BULKHEAD
BUR	BUILT UP ROOF
C.G.	CORNER GUARD
CAB	CABINET
CALK	CAULKING
CEM	CEMENT
CER	CERAMIC
CJ	CONTROL JOINT
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR
CO	CASED OPENING
COL	COLUMN
CONC	CONCRIETE
CONT	CONTINUOUS
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWN SPOUT
DW	DISHWASHER
DWG	DRAWING
E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
ELEC	ELECTRIC
ELEV	ELEVATION
EMER	EMERGENCY
ENCL	ENCLOSURE
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EW	EACH WAY
EXP. JT.	EXPANSION JOINT
EXST	EXISTING
F.O.	FACE OF
FA	FIRE ALARM
FAP	FIRE ANNUNCIATOR PANEL
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FG	FINISH GROUP
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN	FINISH
FLR	FLOOR
FLUOR	FLOURESCENT
FRP	FIBER-REINFORCED PLASTIC
FT	FOOT OR FEET
FUR	FURRING
G.S.M.	GALVANIZED SHEET METAL
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS
GND	GROUND
GWB	GYPSUM BOARD
GYP	GYPSUM
H.W.H.	HOT WATER HEATER
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
ID	INNER DIAMETER
INCAN	INCANDESCENT
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JST	JOIST
JT	JOINT
LAM	LAMINATE
LAV	LAVATORY
LB(S)	POUNDS
LDG	LANDING
LT	LIGHT
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O.F.	OVERFLOW PIPE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OPPOSITE HAND
OPG	OPENING
OPP	OPPOSITE
PART	PARTITION
PERM	PERIMETER
PG	PAINT GRADE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PR	PAIR
PT	PAINT
PTD	PAINTED
R	RISER
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE	REFER
REF	REFRIGERATOR
REINF	REINFORCED
REQD	REQUIRED
RESIL	RESILIENT
RM	ROOM
RO	ROUGH OPENING
RTU	ROOF TOP UNIT (MECH)
S	SOUTH
SAFB	SOUND ATTENUATION FIBER BATT
SC	SCUPPER
SCHED	SCHEDULE
SEAL	SEALANT
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQURE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUPSPENDED
SYM	SYMMETRICAL
T	TEMPERED
T&G	TONGUE & GROOVE
TEL	TELEPHONE
TER	TERRAZZO
THK	THICK
THR	THRESHOLD
TO	TOP OF
TYP	TYPICAL
UC	UNDERCUT
UNFIN	UNFINISHED
UNO	ULNESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VTR	VENT TERMINATION PIPE
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATERCLOSET
WIN	WINDOW
WP	WATERPROOF
WS	WETSTACK
WSCT	WAINSCOT
WT	WEIGHT

GENERAL NOTES

1. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS AND THE EXISTING FIELD CONDITIONS, AND SHALL AT ONCE REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSION HE MAY DISCOVER. THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK AT ANY TIME WITHOUT APPROVED CONTRACT DOCUMENTS OR WHERE REQUIRED, APPROVED SHOP DRAWINGS, PRODUCT LITERATURE, DATA, SAMPLES OR INSTALLATION INSTRUCTIONS.
2. THE CONTRACT DOCUMENTS INDICATE THE EXTENT AND APPROXIMATE LOCATION OF ELEMENTS OF THE BUILDING AND SITE. ALL CONDITIONS, LOCATIONS, DEVICES AND ELEMENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING THE WORK.
3. ALL WORK PERFORMED IN CONNECTION WITH THESE CONTRACT DOCUMENTS SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND ORDINANCES IN EFFECT AT THE TIME OF CONSTRUCTION. THIS PROJECT SHALL COMPLY WITH TITLE 24, 2013 CBC, CMC, CPC, CFC, CEC BASED ON THE 2011 NEC, UPC, 2012 UMC, IFC, 2013 CALIFORNIA ENERGY CODE BASED ON THE 2008 CALIFORNIA ENERGY STANDARDS AND 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE.
4. IT SHALL BE UNDERSTOOD THAT THE INTENT OF THESE CONSTRUCTION DOCUMENTS IS TO CONSTRUCT THE FACILITY IN ACCORDANCE WITH THE APPLICABLE CODES AND ORDINANCES. SHOULD ANY CONDITION BE UNCOVERED OR DEVELOP DURING THE EXECUTION OF THESE DOCUMENTS, WHICH IS NOT DEFINED HEREIN, THE CONTRACTOR SHALL CEASE WORK AND NOTIFY THE ARCHITECT AT ONCE.
5. THE TYPICAL DETAILS SHOWN IN THESE PLANS SHALL APPLY IN ALL SIMILAR CASES UNLESS SPECIFICALLY NOTED OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS INDICATED FOR OTHER SIMILAR WORK AND, OR APPLICABLE INDUSTRY PRACTICE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION OF INSTALLATION, INSPECTION, AND FINAL APPROVAL OF ALL UTILITIES.
7. IT IS NOT THE INTENT OF THESE CONTRACT DOCUMENTS TO SEPARATE THE WORK INTO SUBTRADE DIVISIONS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DIVIDE THE WORK AND ORGANIZE ALL WORK AS REQUIRED TO COMPLETE THE WORK AS INTENDED BY THESE DOCUMENTS.
8. ALL SITE WORK SHALL COMPLY WITH THE STATE OF CALIFORNIA TITLE 24, AND ALL APPLICABLE CODES, ORDINANCES, AND ZONING REGULATIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. HE SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF ALL SUCH FACILITIES IN THE AREA OF CONSTRUCTION, AND SHALL NOTIFY UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION (UNDERGROUND SERVICE ALERT 1-800-227-2600)
10. GENERAL DEMOLITION: WHENEVER EXISTING FACILITIES OR MATERIALS ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF WORK COVERED BY THE DRAWINGS AND SPECIFICATIONS, SAID FACILITIES AND MATERIALS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SAID FACILITIES OR MATERIALS SHALL BE EQUAL TO OR BETTER THAN THE ORIGINAL FACILITIES OR MATERIALS. THE FINISH PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY AND ITS AGENTS.
11. NO WORK SHALL COMMENCE AT THE PROJECT SITE BEFORE A BUILDING PERMIT IS FULLY EXECUTED AND AVAILABLE FOR POSTING AT THE JOB SITE.
12. CONSTRUCTION LIMITS: CONTRACTOR AND SUB-CONTRACTORS, WORKERS AND OTHER PERSONNEL RELATED TO THIS SCOPE OF WORK, SHALL BE CONFINED WITH THE AREAS DESIGNATED AS CONSTRUCTION LIMITS AS INDICATED BY THESE DRAWINGS AND RELATED AREAS. AREAS BEYOND THIS SCOPE OF WORK SHALL BE OFF LIMITS, AND THEIR USE SHALL BE PROHIBITED WITHOUT PRIOR AUTHORIZATION OF McKINLEYVILLE TEEN CENTER. THE GENERAL CONTRACTOR SHALL VERIFY THESE LIMITS AND BE RESPONSIBLE TO INFORM THE APPROPRIATE PERSONNEL AND ENFORCE THESE LIMITS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, FITTING, OR PATCHING THAT MAY BE REQUIRED TO COMPLETE THE INTENT OF THESE CONSTRUCTION DOCUMENTS, TO MAKE IT'S SEVERAL PARTS FIT TOGETHER PROPERLY. THE CONTRACTOR SHALL PATCH ARCHITECTURAL FINISHES AS NECESSARY TO ACCOMPLISH WORK DEFINED IN STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND ARCHITECTURAL DRAWINGS. EXISTING FIELD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AND ACCEPTED AS CONDITIONS OF THIS SCOPE OF WORK.
14. CONTRACTOR SHALL FLUSH ALL WATER, SEWER, AND DRAIN LINES PRIOR TO HOOK UP.
15. DIMENSIONS SHALL BE MEASURED TO FACE OF FRAMING, U.N.O.
16. DO NOT SCALE THE DRAWINGS.
17. AUTOMATIC IRRIGATION SYSTEMS CONTROLLERS INSTALLED AT THE TIMEOF FINAL INSPECTION SHALL BE WEATHER-BASED (CGC 5.304.3.1)
18. ADHESIVES, SEALANTS AND CAULKS SHALL BE COMPLIANT WITH VOC AND OTHER TOXIC COMPOUND LOIMITS (CGC 5.504.4.1).
19. PAINTS, STAINS AND OTHER COATINGS SHALL BE COMPLIANT WITH VOC LIMITS (CGC 5.504.4.3).
20. AEROSOL PAINTS AND COATINGS SHALL BE COMPLIANT WITH PRODUCT WEIGHTED MIR LIMITS FOR ROC AND OTHER TOXIC COMPOUNDS (CGC 5.714.4.4.3.1). VERIFICATION OF COMPLIANCE SHALL BE PROVIDED.
21. CARPET AND CARPET SYSTEMS SHALL BE COMPLIANT WITH VOC LIMITS (CGC 5.504.4.4).
22. MINIMUM 50% OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH CGC SECTION 5.504.4.6.
23. PARTICLE BOARD, MEDIUM DENSITY FIBERBOARD (MDF) AND HARDWOOD PLYWOOD USED IN INTERIOR FINISH SYSTEMS SHALL COMPLY WITH LOW FORMALDEHYDE EMMISSION STANDARDS. 5.504.4.5.

SYMBOLS



PROJECT DATA

REFERENCE	DESCRIPTION	INTERPRETATION
DESCRIPTION		
SCOPE	BLDG. ADDITION & SITE IMPROVEMENTS	ADDITION OF A NEW WOOD FRAMED TEEN CENTER NEXT TO EXISTING ACTIVITY CENTER. SITE IMPROVEMENTS INCLUDE THE ADDITION OF A CMU TRASH ENCLOSURE, ADDITIONAL PARKING STALLS, BRING (E) ACCESSIBLE PARKING STALLS UP TO CURRENT CODE COMPLIANCE AND HARDSCAPE AND LANDSCAPE IMPROVEMENTS.
LOCATION	1685 GWIN RD. McKINLEYVILLE, CA 95519	
ZONING	C-2	
APN	510-401-025 CT: 0105.00 TZ:01	
GENERAL INFORMATION		
	FLOOR AREA (existing)	9,531 SF
	FLOOR AREA (new)	6,766 SF
	TOTAL BUILDING AREA	16,297 SF
	ACTUAL NUMBER OF STORIES	1 STORY
	ACTUAL BUILDING HEIGHT	(NEW 28'-0") (EXISTING 37'-0")
OCCUPANCY		
CBC 303.1	GROUP A-3	A-3 RESTRICTIVE APPLIED FOR NON-SEPERATED OCCUPANCY
CBC 508.3	AUTOMATIC FIRE SPRINKLERS	YES
CBC TABLE 601	CONSTRUCTION TYPE	TYPE V-B
CBC TABLE 503	ALLOWABLE BUILDING HEIGHT	40'-0" (A-3)
CBC TABLE 503	ALLOWABLE NUMBER OF STORIES	1 STORIES (A-3)
CBC TABLE 503	ALLOWABLE BUILDING AREA	6,000 SF (A-3)
CBC 506.1	AREA INCREASE Aa = (At + [At X If] + [At X Is]) Aa = ([If NOT USED] + [6,000 X 3]) Aa = (0 + [6,000 X 3])	18,000 SF 16,297 SF (ACTUAL) < 18,000 SF (ALLOWABLE AREA)

APPLICABLE CODES

2013 CALFORNIA CODE OF REGULATIONS (CCR) TITLE 24 AS AMENDED THROUGH AUGUST 1, 2012
PART 1: CALIFORNIA ADMINSTRATIVE CODE
PART 2: CALIFORNIA BUILDING CODE (VOLUMES 1 AND 2) W/ APPROVED DSA ACCESS COMPLIANCE EMERGENCY REGULATIONS PACKAGE ON JULY 19, 2012
PART 3: CALIFORNIA ELECTRICAL CODE - 2010
PART 4: CALIFORNIA MECHANICAL CODE - 2010
PART 5: CALIFORNIA PLUMBING CODE
PART 6: CALIFORNIA ENERGY CODE - 2010
PART 9: CALIFORNIA FIRE CODE
PART 11: CALIFORNIA GREEN BUILDING CODE
PART 12: CALIFORNIA REFERENCE STANDARDS CODE
TITLE 19: PUBLIC SAFETY - STATE FIRE MARSHALL REGULATIONS

2013 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)

2013 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS

2013 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS

2013 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS

2013 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION

2013 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION

2013 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS

2013 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED); SEE UL STD. 1971 FOR "VISUAL DEVICES"

DEFERRED SUBMITTALS

CALCULATIONS AND DRAWINGS DESCRIBING THE MANUFACTURING AND INSTALLATION OF PRE-MANUFACTURED ITEMS (FIRE SPRINKLERS AND GANGNAIL TRUSSES) SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO THE BUILDING DEPARTMENT PRIOR TO INSTALLATION. ALL DEFERRED DRAWINGS INDICATED ABOVE SHALL BE SUBMITTED FOR REVIEW TO THE OWNER AND ENGINEER OF RECORD PRIOR TO BUILDING DEPARTMENT SUBMITTAL TO VERIFY GENERAL CONFORMANCE WITH THE BUILDING. SUCH NOTICE SHALL BE NOTED ON THE DEFERRED SUBMITTAL DOCUMENTS.

PLUMBING FIXTURE COUNT

OCCUPANCY/USE	AREA	OCC. LOAD FACTOR	OCC. LOAD	WATER CLOSETS REQUIRED MALE	WATER CLOSETS REQUIRED FEMALE	WATER CLOSETS PROVIDED MALE	WATER CLOSETS PROVIDED FEMALE	LAVATORIES REQUIRED MALE	LAVATORIES REQUIRED FEMALE	LAVATORIES PROVIDED MALE	LAVATORIES PROVIDED FEMALE	URINALS REQUIRED	URINALS PROVIDED	DRINKING FOUNTAINS REQUIRED	DRINKING FOUNTAINS PROVIDED
ASSEMBLY (PUBLIC)	4182 SF	1/30	140	1	3	1	4	1	2	2	3	2	2	1	1
KITCHEN/CAFE	995 SF	1/200	5	1	1	1	4	1	2	2	3	0	0	1	1
OFFICE (EMPLOYEE)	168 SF	1/200	1	1	1	1	4	1	2	2	3	0	0	0	0
RESTROOMS/MECH/STORAGE-N/A															

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

PROJECT DATA + NOTES

G0.01

10/3/2014 4:51:31 PM

2010 CALGREEN MANDATORY MEASURES

SECTION	MANDATORY	TIER 1	TIER 2	REF. SHT.	COMMENTS
REQUIREMENTS					
REQUIREMENTS	X				
PLANNING AND DESIGN					
SITE SELECTION					
A5.103.1 COMMUNITY CONNECTIVITY					
A5.103.2 BROWNFIELD OR GREYFIELD SITE REDEVELOPMENT OR INFILL AREA DEVELOPMENT					
A5.103.3.1 BROWNFIELD REDEVELOPMENT					
SITE PRESERVATION					
A5.104.1.1 LOCAL ZONING REQUIREMENT IN PLACE					
A5.104.1.2 NO LOCAL ZONING REQUIREMENT IN PLACE					
A5.104.1.3 NO OPEN SPACE REQUIRED IN ZONING ORDINANCE					
DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES					
A5.105.1.1 EXISTING BUILDING STRUCTURE					
A5.105.1.2 EXISTING NONSTRUCTURAL ELEMENTS					
A5.105.1.3 SALVAGE					
SITE DEVELOPMENT					
5.106.1 STORM WATER POLLUTION PREVENTION	X			C-9	
A5.106.2 STORM WATER DESIGN					
A5.106.2.1 STORM WATER RUNOFF RATE AND QUANTITY					
A5.106.2.2 STORM WATER RUNOFF QUALITY					
A5.106.3 LOW IMPACT DEVELOPMENT (LID)					
5.106.4 BICYCLE PARKING	X			A1.01	
5.106.4.1.1 SHORT-TERM BICYCLE PARKING	X			A1.01	
5.106.4.1.2 LONG-TERM BICYCLE PARKING	X				N/A
A5.106.4.3 CHANGING ROOMS					
A5.106.5.1 DESIGNATED PARKING FOR FUEL-EFFICIENT VEHICLES					
A5.106.5.1.1 TIER 1 10% OF TOTAL SPACES		X			
A5.106.5.1.2 TIER 2 12% OF TOTAL SPACES			X		
5.106.5.2 DESIGNATED PARKING	X				N/A
A5.106.5.3.1 SINGLE CHARGING SPACE REQUIREMENTS					
A5.106.5.3.2 MULTIPLE CHARGING SPACES REQUIRED					
A5.106.5.3.3 TIER 1					
A5.106.5.3.4 TIER 2					
A5.106.5.3.5 LABELING REQUIREMENT					
A5.106.6 PARKING CAPACITY					
A5.106.6.1 REDUCE PARKING CAPACITY					
A5.106.7 EXTERIOR WALLS					
A5.106.7.1 FENESTRATION					
A5.106.7.1.1 EAST AND WEST WALLS					
A5.106.7.1.2 SOUTH WALLS					
A5.106.7.2 OPAQUE WALL AREAS					
5.106.8 LIGHT POLLUTION REDUCTION	X			E0.0	Exterior Fixture "T"
5.106.10 GRADING AND PAVING	X			C-4	
A5.106.11 HEAT ISLAND EFFECT					
A5.106.11.1 HARDSCAPE ALTERNATIVES					
A5.106.11.2 COOL ROOF FOR REDUCTION OF HEAT ISLAND EFFECT		X	X		
ENERGY EFFICIENCY					
PERFORMANCE REQUIREMENTS					
5.201.1 SCOPE	X	X	X	M10.1, M10.2, P0.1 & Lighting Title 24	
A5.203.1 ENERGY EFFICIENCY					
A5.203.1.1.1 OUTDOOR LIGHTING		X	X		
A5.203.1.1.2 SERVICE WATER HEATING IN RESTAURANTS		X	X		
A5.203.1.1.3 FUNCTIONAL AREAS WHERE COMPLIANCE WITH RESIDENTIAL LIGHTING STANDARDS IS REQUIRED		X	X		
A5.203.1.2.1 TIER 1		X			
A5.203.1.2.2 TIER 2			X		
RENEWABLE ENERGY					
A5.211.1 ON-SITE RENEWABLE ENERGY					
A5.211.1.1 DOCUMENTATION					
A5.211.3 GREEN POWER					
ELEVATORS, ESCALATORS AND OTHER EQUIPMENT					
A5.212.1 ELEVATORS AND ESCALATORS					
A5.212.1.1 ELEVATORS					
A5.212.1.1.1 CAR LIGHT AND FAN					
A5.212.1.2 ESCALATORS					
A5.212.1.4 CONTROLS					
ENERGY EFFICIENT STEEL FRAMING					
A5.213.1 STEEL FRAMING					
WATER EFFICIENCY AND CONSERVATION					
INDOOR WATER USE					
5.303.1 METERS					
5.303.1.1 NEW BUILDINGS OR ADDITIONS IN EXCESS OF 50,000 SQUARE FEET	X				N/A
5.303.1.2 EXCESS CONSUMPTION	X				N/A
5.303.2 WATER REDUCTION	X			P0.1	
5.303.2.1 AREAS OF ADDITIONS OR ALTERATION					
A5.303.2.3.1 TIER 1 - 30-PERCENT SAVINGS		X			
A5.303.2.3.2 TIER 2 - 35-PERCENT SAVINGS		X			
A5.303.2.3.3 FORTY-PERCENT SAVINGS			X		
A5.303.2.3.4 NONPOTABLE WATER SYSTEMS FOR INDOOR USE					
5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS	X			P0.1	
5.303.3.1 WATER CLOSETS	X			P0.1	
5.303.3.2 URINALS	X			P0.1	
5.303.3.3 SHOWERHEADS	X				N/A
5.303.3.3.1 SINGLE SHOWERHEAD	X				N/A
5.303.3.3.2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER	X				N/A
A5.303.3 APPLIANCES					
5.303.4 WASTEWATER REDUCTION	X			P0.1	
A5.303.5 DUAL PLUMBING					
5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS	X			P0.0	
OUTDOOR WATER USE					
5.304.1 WATER BUDGET	X				N/A
5.304.2 OUTDOOR POTABLE WATER USE	X				N/A
A5.304.2.1 OUTDOOR POTABLE WATER USE					
5.304.3 IRRIGATION DESIGN					
5.304.3.1 IRRIGATION CONTROLLERS	X				N/A

SECTION	MANDATORY	TIER 1	TIER 2	REF. SHT.	COMMENTS
A5.304.4 POTABLE WATER REDUCTION					
A5.304.4.1 TIER 1		X			
A5.304.4.2 TIER 2			X		
A5.304.4.3 VERIFICATION OR COMPLIANCE		X	X		
A5.304.5 POTABLE WATER ELIMINATION					
A5.304.6 RESTORATION OF AREAS DISTURBED BY CONSTRUCTION					
A5.304.7 PREVIOUSLY DEVELOPED SITES					
A5.304.8 GRAYWATER IRRIGATION SYSTEM					
WATER REUSE					
A5.305.1 NONPOTABLE WATER SYSTEMS					
A5.305.2 IRRIGATION SYSTEMS					
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY					
EFFICIENT FRAMING SYSTEMS					
A5.404.1 WOOD FRAMING					
MATERIAL SOURCES					
A5.405.1 REGIONAL MATERIALS					
A5.405.2 BIO-BASED MATERIALS					
A5.405.2.1 CERTIFIED WOOD PRODUCTS					
A5.405.2.2 RAPIDLY RENEWABLE MATERIALS					
A5.405.3 REUSED MATERIALS					
A5.405.4 RECYCLED CONTENT					
TIER 1		X			
TIER 2			X		
A5.405.5 CEMENT AND CONCRETE					
A5.405.5.1 CEMENT					
A5.405.5.2 CONCRETE					
A5.405.5.2.1 SUPPLEMENTARY CEMENTITIOUS MATERIALS (SCMs)					
A5.405.5.2.1.1 MIX DESIGN EQUATION					
A5.405.5.3 ADDITIONAL MEANS OF COMPLIANCE					
A5.405.5.3.1 CEMENT					
A5.405.5.3.1.1 ALTERNATIVE FUELS					
A5.405.5.3.1.2 ALTERNATIVE POWER					
A5.405.5.3.2 CONTRETE					
A5.405.5.3.2.1 ALTERNATIVE ENERGY					
A5.405.5.3.2.2 RECYCLED AGGREGATES					
A5.405.5.3.2.3 MIXING WATER					
A5.405.5.3.2.4 HIGH STRENGTH CONCRETE					
ENHANCED DURABILITY AND REDUCED MAINTENANCE					
A5.406.1.1 SERVICE LIFE					
A5.406.1.2 REDUCED MAINTENANCE					
A5.405.1.3 RECYCLABILITY					
WEATHER RESISTANCE AND MOISTURE MANAGEMENT					
5.407.1 WEATHER PROTECTION	X			AD.01, AD.03	Exterior Details
5.407.2 MOISTURE CONTROL					
5.407.2.1 SPRINKLERS	X				N/A
5.407.2.2 ENTRIES AND OPENINGS	X			A3.01	Awnings, Walk-Off Mats
CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING					
5.408.1 CONSTRUCTION WASTE MANAGEMENT	X			Specification Section 01361	
5.408.1.1 CONSTRUCTION WASTE MANAGEMENT PLAN	X			Specification Section 01361	
5.408.1.2 WASTE MANAGEMENT COMPANY	X			Specification Section 01361	
5.408.1.4 DOCUMENTATION	X			Specification Section 01361	
5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS	X			Specification Section 01361	
A5.408.3.1 ENHANCED CONSTRUCTION WASTE REDUCTION - TIER 1		X			
A5.408.3.1.1 ENHANCED CONSTRUCTION WASTE REDUCTION - TIER 2			X		
A5.408.3.1.2 VERIFICATION OF COMPLIANCE		X	X		
LIFE CYCLE ASSESSMENT					
A5.409.1 GENERAL					
A5.409.2 WHOLE BUILDING LIVE CYCLE ASSESSMENT					
A5.409.3 MATERIALS AND SYSTEM ASSEMBLIES					
A5.409.4 SUBSTITUTION FOR PRESCRIPTIVE STANDARDS					
A5.409.5 VERIFICATION OF COMPLIANCE					
BUILDING MAINTENANCE AND OPERATION					
5.410.1 RECYCLING BY OCCUPANTS					
5.410.1.1 ADDITIONS	X			A3.0	
5.410.2 COMMISSIONING	X				N/A
5.410.2.1 OWNER'S PROJECT REQUIREMENTS (OPR)	X				N/A
5.410.2.2 BASIS OF DESIGN (BOD)	X				N/A
5.410.2.3 COMMISSIONING PLAN	X				N/A
5.410.2.4 FUNCTIONAL PERFORMANCE TESTING	X				N/A
5.410.2.5 DOCUMENTATION AND TRAINING	X				N/A
5.410.2.5.1 SYSTEMS MANUAL	X				N/A
5.410.2.5.2 SYTEMS OPERATIONS TRAINING	X				N/A
5.410.2.6 COMMISSIONING REPORT	X				N/A
5.410.4 TESTING AND ADJUSTING	X			Specification Sections 220000,230593 & 260800	
5.410.4.2 SYSTEMS	X			Specification Sections 220000,230593 & 260800	
5.410.4.3 PROCEDURES	X			Specification Sections 220000,230593 & 260800	
5.410.4.3.1 HVAC BALANCING	X			Specification Sections 220000,230593 & 260800	
5.410.4.4 REPORTING	X			Specification Sections 220000,230593 & 260800	
5.410.4.5 OPERATION AND MAINTENANCE MANUAL	X			Specification Sections 220000,230593 & 260800	
5.410.4.5.1 INSPECTIONS AND REPORTS	X			Specification Sections 220000,230593 & 260800	
ENVIRONMENTAL QUALITY					
FIREPLACES					
5.503.1 GENERAL	X				N/A
5.503.1.1 WOODSTOVES	X				N/A
POLLUTANT CONTROL					
A5.504.1 INDOOR AIR QUALITY (IAQ) DURING CONSTRUCTION					
A5.504.1.1 TEMPORARY VENTILATION					
A5.504.1.2 ADDITIONAL IAQ MEASURES					
5.504.1.3 TEMPORARY VENTILATION	X			M0.1	General Note 24
A5.504.2 IAQ POSTCONSTRUCTION					
A5.504.2.1 IAQ TESTING					
A5.504.2.1.1 MAXIMUM LEVELS OF CONTAMINANTS					
A5.504.2.1.2 TEST PROTOCOLS					
A5.504.2.1.3 NONCOMPLYING BUILDING AREAS					

SECTION	MANDATORY	TIER 1	TIER 2	REF. SHT.	COMMENTS
5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION	X			Specification Sections 220000,230593 & 260800	
5.504.4 FINISH MATERIAL POLLUTANT CONTROL					
5.504.4.1 ADHESIVES, SEALANTS, CAULKS	X			Specification Section 01361	
5.504.4.3 PAINTS AND COATINGS	X			Specification Section 09912	
5.504.4.3.1 AEROSOL PAINTS AND COATINGS	X			Specification Section 09912	
5.504.4.3.2 VERIFICATION	X				Upon Request
5.504.4.4 CARPET SYSTEMS	X			Specification Section 09680	
5.504.4.4.1 CARPET CUSHION	X			Specification Section 09680	
5.504.4.4.2 CARPET ADHESIVE	X			Specification Section 09680	
5.504.4.5 COMPOSITE WOOD PRODUCTS	X			Specification Section 06402	
A5.504.4.5.1 EARLY COMPLIANCE WITH FORMALDEHYDE LIMITS - TIER 1		X			
A5.504.4.5.2 NO ADDED FORMALDEHYDE - TIER 2			X		
5.504.4.5.3 DOCUMENTATION	X				Upon Request
5.504.4.6 RESILIENT FLOORING SYSTEMS	X			Specification Section 09650	
A5.504.4.6.1 VERIFICATION OF COMPLIANCE	X				Upon Request
A5.504.4.7 RESILIENT FLOORING SYSTEMS - TIER 1		X			
A5.504.4.7.1 RESILIENT FLOORING SYSTEMS - TIER 2			X		
A5.504.4.7.2 VERIFICATION OF COMPLIANCE		X	X		
A5.504.4.8 THERMAL INSULATION - TIER 1		X			
A5.504.4.8.1 THERMAL INSULATION - TIER 2			X		
A5.504.4.8.2 VERIFICATION OF COMPLIANCE		X	X		
A5.504.4.9 ACOUSTICAL CEILINGS AND WALL PANELS					
A5.504.4.9.1 VERIFICATION OF COMPLIANCE					
A5.504.5 HAZARDOUS PARTICULATES AND CHEMICAL POLLUTANTS					
A5.504.5.1 ENTRYWAY SYSTEMS					
A5.504.5.2 ISOLATION OF POLLUTANT SOURCES					
5.504.5.3 FILTERS	X			M0.1	General Note 24
5.504.5.3.1 LABELING					
A5.504.5.3.1 FILTERS					
5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL					
INDOOR MOISTURE AND RADON CONTROL					
5.505.1 INDOOR MOISTURE CONTROL	X			M10.1 & M10.2	
AIR QUALITY AND EXHAUST					
5.506.1 OUTSIDE AIR DELIVERY	X			M10.2	MECH-3C
5.506.2 CARBON DIOXIDE (CO2) MONITORING	X				N/A
ENVIRONMENTAL COMFORT					
A5.507.1 LIGHTING AND THERMAL COMFORT CONTROLS					
A5.507.1.1 SINGLE-OCCUPANT SPACES					
A5.507.1.1.1 LIGHTING					
A5.507.1.1.2 THERMAL COMFORT					
A5.507.1.2 MULTI-OCCUPANT SPACES					
A5.507.2 DAYLIGHT					
5.507.4 ACOUSTICAL CONTROL	X				N/A
5.507.4.1 EXTERIOR NOISE TRANSMISSION, PRESCRIPTIVE METHOD					
5.507.4.1.1 NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE					
5.507.4.2 PERFORMANCE METHOD					
5.507.4.2.1 SITE FEATURES					
5.507.4.2.1 DOCUMENTATION OF COMPLIANCE					
5.507.4.3 INTERIOR SOUND TRANSMISSION					
OUTDOOR AIR QUALITY					
5.508.1 OZONE DEPLETION AND GLOBAL WARMING REDUCTIONS					
5.508.1.1 CFCs	X				N/A
5.508.1.2 HALONS	X				N/A
A5.508.1.3 HYDROCHLOROFLUOROCARBONS (HCFCs)					
A5.508.1.4 HYDROFLUOROCARBONS (HFCs)					
5.508.2 SUPERMARKET REFRIGERANT LEAK REDUCTION	X				N/A
5.508.2.1 REFRIGERANT PIPING					
5.508.2.1.1 THREADED PIPE					
5.508.2.1.2 COPPER PIPE					
5.508.2.1.2.1 ANCHORAGE					
5.508.2.1.3 FLARED TUBING CONNECTIONS					
5.508.2.1.4 ELBOWS					
5.508.2.2 VALVES					
5.508.2.2.1 PRESSURE RELIEF VALVES					
5.508.2.2.1.1 PRESSURE DETECTION					
5.508.2.2.2 ACCESS VALVES					
5.508.2.2.2.1 VALVE CAPS					
5.508.2.2.2.2 SEAL CAPS					
5.508.2.2.2.2.1 CHAIN TETHERS					
5.508.2.3 REFRIGERATED SERVICE CASES					
5.508.2.3.1 COIL COATING					
5.508.2.4 REFRIGERANT RECEIVERS					
5.508.2.5 PRESSURE TESTING					
5.508.2.5.1 MINIMUM PRESSURE					
5.508.2.5.2 LEAKS					
5.508.2.5.3 ALLOWABLE PRESSURE CHANGE					
5.508.2.6 EVACUATION					
5.508.2.6.1 FIRST VACUUM					
5.508.2.6.2 SECOND VACUUM					
5.508.2.6.3 THIRD VACUUM					

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C28388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

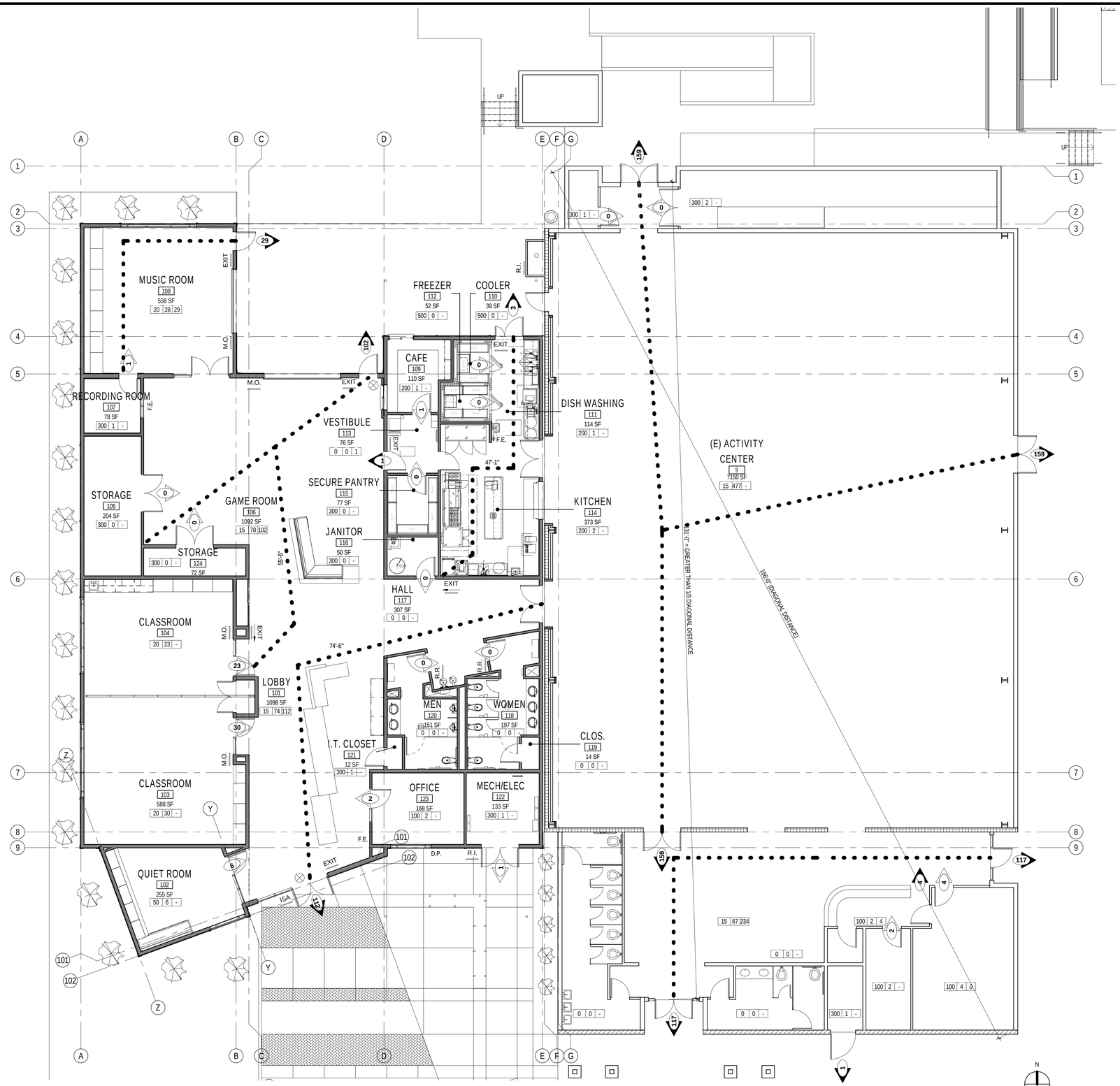
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

CALGREEN MANDATORY MEASURES

G0.02

10/3/2014 4:58:15 PM



1 G1.10 **LIFE SAFETY PLAN**
1/8" = 1'-0"

10/2/2014 4:58:05 PM

LEGEND

ROOM NAME
101 — ROOM REFERENCE NUMBER
150 SF — FLOOR AREA
0 0 - — ACCUMULATED OCCUPANT LOAD
ROOM OCCUPANT LOAD
OCCUPANT LOAD FACTOR

⊗ — BATTERY BACK-UP ILLUMINATED EXIT SIGN @ 9'-6" A.F.F. - REFER TO ELECT.DWGS.

5 — OCCUPANT LOAD FROM ROOM OR SPACE INDICATING DIRECTION OF TRAVEL

30 — CUMULATIVE OCCUPANT LOAD @ EXIT INDICATING DIRECTION OF TRAVEL

50' - 0" — LONGEST ASSUMED EGRESS TRAVEL DISTANCE

EGRESS PATH OF TRAVEL

F.E. — FIRE EXTINGUISHER CABINET — 8 G2.00

ISA — "ACCESIBILITY" SIGN - SEE — 13 G2.00

EXIT — "EXIT" SIGN - SEE — 9 G2.00

EXIT — "DIRECTIONAL EXIT ROUTE" SIGN - SEE — 5 G2.00

M.O. — "MAXIMUM OCCUPANCY" SIGN - SEE — 4 G2.00

R.I. — "ROOM IDENTIFICATION" SIGN - SEE — 3 G2.00

R.R. — "RESTROOM IDENTIFICATION" SIGN - SEE — 2 G2.00

D.P. — DEDICATION PLAQUE — 12 G2.00

CODE ANALYSIS

REFERENCE	DESCRIPTION	INTERPRETATION
MAXIMUM TRAVEL DISTANCE		
CBC TABLE 1016.1	MAX. TRAVEL DISTANCE	250 FT (W/ SPRINKLERS)
CBC 1014.3	COMMON PATH OF TRAVEL	75 FT
MINIMUM REQUIRED EGRESS		
CBC 1015.1	MINIMUM NUMBER OF EXITS REQUIRED	3 (OCC. LOAD < 1,000)
CBC 1015.2	EXIT ARRANGEMENT SEPARATION	< 1/3 THE DIAGONAL DIM. (W/ SPRINKLERS)

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — JEFFREY WILLIAM WOHLE — C29388 — September 2015 — STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

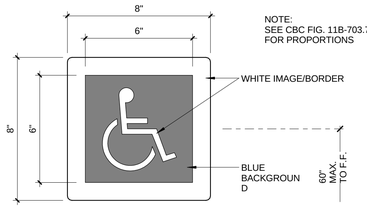
BID SET
1 OCTOBER 2014

LIFE SAFETY PLAN

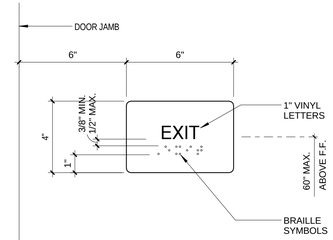
G1.10

NOTES

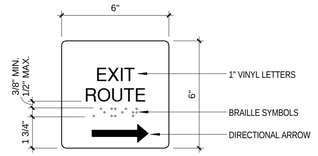
1. INTERIOR SIGNS SHALL BE MADE OF 1/4" VINYL PLATE - U.O.N.
2. CHARACTERS, SYMBOLS & BACKGROUND SHALL HAVE A NON-GLARE FINISH.
3. CHARACTERS & SYMBOLS SHALL CONTRAST FROM THEIR BACKGROUND.
4. VINYL LETTERS SHALL BE 1/32" MIN. RAISED UPPER CASE, SAN SERIF TYPE - U.O.N.
5. BRAILLE SYMBOLS SHALL BE CONTRACTED (GRADE 2) 1/32" RAISED DOMED OR ROUNDED DOTS AT 1/10" O.C. IN EACH CELL WITH 1/5" SPACE BETWEEN CELLS (CBC 11B-703.3).
6. CORNERS SHALL BE ROUNDED WITH 1/4" RADIUS - U.O.N.



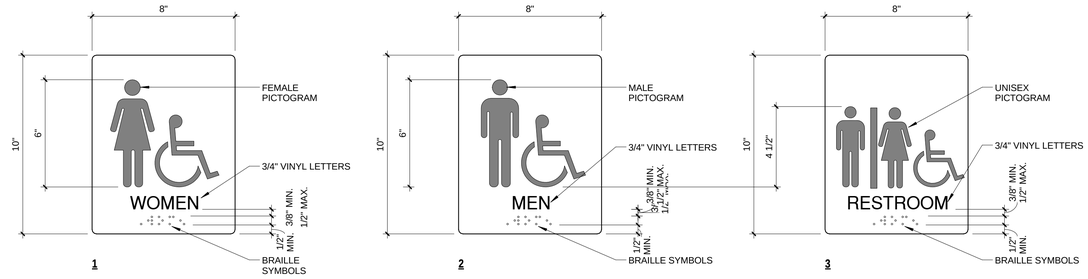
13 G2.00 **I.S.A.**
3" = 1'-0"



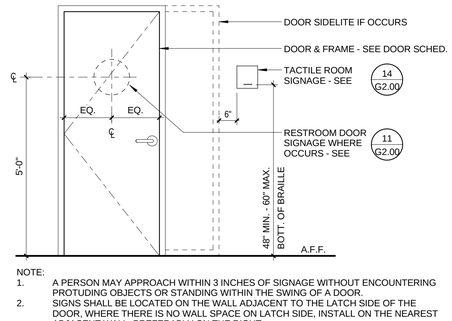
9 G2.00 **EXIT**
3" = 1'-0"



5 G2.00 **EXIT ROUTE**
3" = 1'-0"

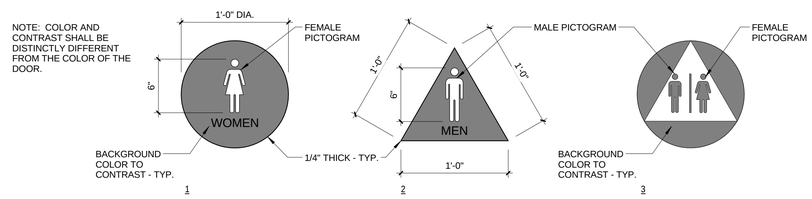


14 G2.00 **RESTROOM WALL I.D.**
3" = 1'-0"

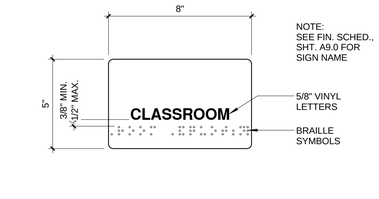


NOTE:
1. A PERSON MAY APPROACH WITHIN 3 INCHES OF SIGNAGE WITHOUT ENCOUNTERING PROTUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
2. SIGNS SHALL BE LOCATED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON LATCH SIDE, INSTALL ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT.

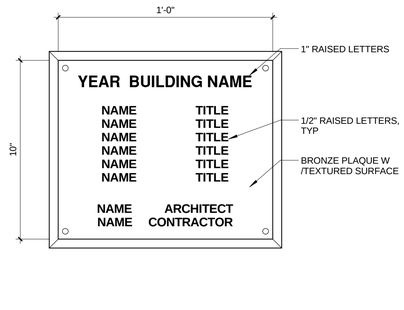
2 G2.00 **SIGNAGE MOUNTING HEIGHT**
1/2" = 1'-0"



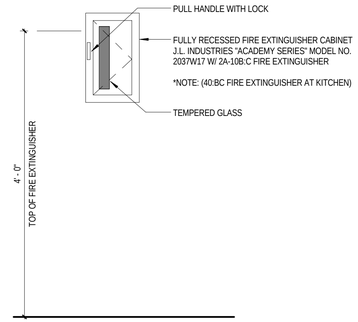
11 G2.00 **RESTROOM DOOR I.D.**
1 1/2" = 1'-0"



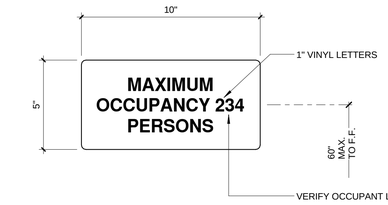
3 G2.00 **ROOM IDENTIFICATION**
3" = 1'-0"



12 G2.00 **DEDICATION PLAQUE**
3" = 1'-0"



8 G2.00 **FIRE EXTINGUISHER CABINET**
1" = 1'-0"



4 G2.00 **MAXIMUM OCCUPANCY**
3" = 1'-0"

LDA partners LLP
lesovsky•donaldson•zagaroli•wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
GREG WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

SIGNAGE DETAILS

G2.00

10/3/2014 4:34:39 PM

NOTES

DOORS & HARDWARE

1. ALL ENTRANCES AND EXTERIOR GROUND-FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32 INCHES WITH THE DOOR OPEN 90 DEGREES, MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP (SECTIONS 1008.1.1, 11B-404.2 AND 11B-404.2.3).
2. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY OT GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION (SECTIONS 1008.1.9 AND 11B-404.2.7).
3. PANIC HARDWARE: WHERE INSTALLED, SHALL COMPLY WITH THE REQUIREMENTS OF CBC 1008.1.10.1. THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 34 INCHES OR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF TRAVEL. (SECTION 1008.1.10, 1008.1.10.1, AND 11B-404.2.9).
4. WIDTH AND HEIGHT: EVERY REQUIRED EXIT DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND NOT LESS THAN 6 FEET, 8 INCHES IN HEIGHT WHEN INSTALLED IN EXIT DOORWAYS. EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE EXIT WAY IS NOT LESS THAN 32 INCHES (SECTIONS 1008.1.1 AND 11B-404.2.).
5. HINGED DOORS: THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL MEET THIS OPENING REQUEMENT. REVOLVING DOORS SHALL NOT BE USED AS A REQUIRED ENTRANCE FOR PERSONS WITH DISABILITIES (SECTIONS 11B-404.2.1, 11B-404.2.2 AND 11B-404.2.3).
6. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL NOT EXCEED 48 INCHES (SECTION 1008.1.1).
7. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS (SECTIONS 1008.1.3, 1008.1.3.1 AND 11B-404.2.9).
8. DOOR AND GATE SURFACES: SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACES ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED (SECTIONS 11B-404.2.10).
9. THRESHOLDS SHALL NOT EXCEED 1/2 INCHES IN HEIGHT, WITH A MAXIMUM 1/4-INCH VERTICAL AND CHANGES IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 (50% SLOPE) (SECTION 11B-404.2.5).
10. EXIT DOORS FROM GROUP 'A' OCCUPANCY SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE (SECTION 1008.1.10).
11. RECESSED DOORMATS SHALL BE ADEQUATELY ANCHORED TO PREVENT INTERFERENCE WITH WHEELCHAIR TRAFFIC (SECTION 11B-302.1 AND 11B-302.2).
12. ALL GATES, INCLUDING TICKET GATES, SHALL MEET ALL APPLICABLE SPECIFICATIONS FOR DOORS (SECTION 11B-404.1 AND 11B-404.2).
13. DOOR CLOSING SPEED: DOOR AND GATE CLOSING SPEED SHALL COMPLY WITH SECTION 11B-404.2.8. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGRESS, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM. (SECTIONS 11B-404.2.8.1 AND 11B-404.2.8.2).
14. THE WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 34 INCHES.
15. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST.
16. EXCEPTION: IN GROUPS A, DIVISION 3, B, F, M, AND S OCCUPANCIES AND IN ALL CHURCHES, KEY-LOCKING HARDWARE MAY BE USED ON THE MAIN EXIT WHEN THE MAIN EXIT CONSISTS OF A SINGLE DOOR OR PAIR OF DOORS IF THERE IS A READILY VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS". THE SIGN SHALL BE IN LETTERS NOT LESS THAN 1 INCH ON A CONTRASTING BACKGROUND, WHEN UNLOCKED, THE SINGLE DOOR OR BOTH LEAVES OF A PAIR OF DOORS MUST BE FREE TO SWING WITHOUT OPERATION OF ANY LATCHING DEVICE. THE USE OF THIS EXCEPTION MAY BE REVOKED BY THE BUILDING OFFICIAL [FOR HCD 1&2] ENFORCING AGENCY FOR DUE CAUSE.

RAMPS

1. ANY PATH OF TRAVEL SHALL BE CONSIDERED A RAMP IF ITS SLOPE IS GREATER THAN 1 FOOT OF VERTICAL RISE IN 20 FEET OF HORIZONTAL RUN (5% GRADIENT). THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP (SECTION 11B-405.2).
2. WIDTH: PRIMARY ENTRANCE AND SPECIAL OCCUPANCY, PEDESTRIAN RAMPS SERVING PRIMARY ENTRANCES TO BUILDINGS HAVING AN OCCUPANT LOAD OF 300 OR MORE SHALL HAVE A MINIMUM CLEAR IN WIDTH OF 60 INCHES. RAMPS SERVING GROUP R OCCUPANCIES MAY BE 36 INCHES CLEAR WIDTH WHEN THE OCCUPANT LOAD IS 50 OR LESS. ALL OTHER PEDESTRIAN RAMPS SHALL HAVE A MINIMUM WIDTH OF 48 INCHES (SECTION 11B-405.5).
3. SLOPE: THE MAXIMUM SLOPE OF A RAMP THAT SERVES ANY EXIT WAY THAT PROVIDES ACCESS FOR PERSONS WITH PHYSICAL DISABILITIES OR IS IN THE PATH OF TRAVEL SHALL BE 1 FOOT OF VERTICAL RISE IN 12 FEET OF HORIZONTAL RUN (8.3% MAX. GRADIENT) (SECTION 11B-405.2). THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1 UNIT VERTICAL IN 48 UNITS HORIZONTAL (SECTION 11B-405.3).

WALKS AND SIDEWALKS

1. CONTINUOUS SURFACE: WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MINIMUM OF 48 INCHES IN WIDTH. LEVEL CHANGES GREATER THAT 1/4 INCH AND UP TO 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 (PER SECTION 11B-303.2 AND 11B-303.3). SURFACES SHALL BE SLIP RESISTANT AS FOLLOWS: (SECTION 11B-302.1).
   A. SLOPES LESS THAN 6 PERCENT: SLIP-RESISTANT AS DESCRIBED FOR A MEDIUM SALTED FINISH.
   B. SLOPES 6 PERCENT OR GREATER: SHALL BE SLIP-RESISTANT.
   C. SURFACE CROSS SLOPES: SHALL NOT EXCEED 1:48
2. GRATINGS: WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" (13 MM) IN THE DIRECTION OF TRAFFIC FLOW (SECTION 11B-302.3).
3. CHANGES IN LEVEL: ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAT 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL. EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS (SECTION 11B-303.4).
4. WARNING CURBS: ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNDATIONS LOCATED IN OR ADJACENT TO WAKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS, SHALL BE INDENTIFIED BY CURBS PROJECTING AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 2 INCHES MINIMUM AND 4 INCHES MAXIMUM ABOVE THE SURFACE OF THE WALK OR SIDEWALK. (SECTION 11B-303.5).
5. PROVIDE A LEVEL AREA NOT LESS THAN REQUIRED (TABLE AND FIGURE 11B-404.2.4.1).
6. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF 400 FEET MAXIMUM (SECTION 11B-403.7).
7. A 36 INCH WIDE DETECTABLE WARNING MATERIAL SHALL BE PROVIDED AT BOUNDARIES BETWEEN WALKWAYS AND VEHICULAR WAYS. MATERIAL SHALL COMPLY WITH SECTION 11B-705.1.1

SANITARY FACILITIES IDENTIFICATION

1. DOORWAYS LEADING TO MEN'S SANITARY FACILITIES SHALL BE INDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4 INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD. WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH THICK AND 12 INCHES IN DIAMETER. UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4 INCH THICK, 12 INCHES IN DIAMETER WITH A 1/4 INCH THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12 INCH DIAMETER. THESE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60 INCHES AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.
2. SEE ACCESSIBLITY SIGNAGE CRITERIA FOR ADDITIONAL REQUIREMENTS.

BATHING AND TOILET FACILITIES

1. PASSAGEWAYS LEADING TO SANITARY FACILITIES SHALL HAVE A CLEAR ACCESS AS SPECIFIED IN SECTION 11B-402. ALL DOORWAYS LEADING TO SUCH SANITARY FACILITIES SHALL HAVE:
   A. AN UNOBSTRUCTED CLEAR OPENING WIDTH OF 32 INCHES (813 MM).
   B. A LEVEL AND CLEAR AREA NOT LESS THAN REQUIRED (TABLE AND FIGURE 11B-404.2.4.1)
2. BATHING FACILITIES (NOT APPLICABLE).
3. TOILET FACILITIES (SECTION 11B-603).
   A. MULTIPLE-ACCOMMODATION TOILET FACILITITIES SHALL HAVE THE FOLLOWING:
   1. CLEAR SPACE: A WATER CLOSET FIXTURE LOCATED IN A COMPARTMENT SHALL PROVIDE A MINIMUM 17 INCHES AND 18 INCHES MAXIMUM FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL, EXCEPT THAT THE WATER CLOSET SHALL BE A MINIMUM 17 INCHES AND 19 INCHES MAXIMUM FROM THE CENTERLINE OF WATER CLOSET TO THE WALL IN AMBULATORY ACCESSIBLE TOILET COMPARTMENTS. A MINIMUM 48 INCHES LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF EACH WATER CLOSET IF THE COMPARTMENT HAS AN END-OPENING DOOR (FACING THE WATER CLOSET). A MINIMUM 60 INCH LONG CLEAR SPACE SHALL BE PROVIDED IN A COMPARTMENT WITH THE DOOR LOCATED AT THE SIDE AND OPENING OUT. GRAB BARS SHALL NOT PROJECT MORE THAN 3 INCHES IN THE CLEAR SPACES AS SPECIFIED ABOVE.
   2. COMPARTMENT DOORS: WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITHA DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION (SECTION 11B-604.8.1.2).
   3. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH, MCNTING HEIGHT OF 34 INCHES TO 44 INCHES A.F.F. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING, OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES AND THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL NOT BE LESS THAN 48 INCHES (1219 MM) AS MEASURED AT RIGHT ANGLES TO COMPARTMENT DOOR IN ITS CLOSED POSITION.
4. GRAB BARS
   A. LOCATION: GRAB BARS LOCATED ON EACH SIDE, OR ONE SIDE AND THE BACK OF THE ACCESSIBLE TOILET STALL OR COMPARTMENT, SHALL BE SECURELY ATTACHED 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE AND PARALLEL TO THE FLOOR. SIDE GRAB BARS SHALL BE 42 INCHES MINIMUM LOCATED 12 INCHES MAXIMUM FROM REAR WALL, EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES IN FRONT OF THE WATER CLOSET STOOL. REAR GRAB BARS SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE(SECTIONS 11B 609.4., 11B-604.5.1 AND 11B-604.5.2).
   B. DIAMETER OR WIDTH: THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4 INCHES TO 2 INCHES (32 MM TO 38 MM) OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THAT WALL AND GRAB BARS SHALL BE 1-1/2 INCHES (38 MM). SEE FIGURE 11B-609.2.2 (11B-609.2).
   C. STRUCTURAL STRENGTH: THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE REQUIREMENTS IN SECTIONS 11B-609.8. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. (SECTION 11B-609.6)
   D. SURFACE: A GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH (3.2 MM). (SECTION 11B-609.5)
5. TOILET ROOM FIXTURES AND ACCESSORIES
   A. LAVATORY FIXTURES: A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAXIMUM OF 19 INCHES INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. (SECTIONS 11B-305.3 AND 11B-306.2.2, EXCEPTION)
   B. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTIVE SURFACE NO HIGHER THAN 40 INCHES FROM THE FLOOR. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTIVE SURFACE NO HIGHER THAN 35 INCHES FROM THE FLOOR (SECTION 11B-603.3).
   C. WHERE TOWEL, SANITARY NAPKINS,, WASTE RECEPTACLE, AND OTHER SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40 INCHES FROM THE FINISHED FLOOR (SECTION 11B-603.5).
   D. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 7-9 INCHES OF THE FRONT EDGE OF THE TOILET SEAT, MOUNTED BELOW THE GRAB BAR, AT A MINIMUM HEIGHT OF 19 INCHES. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED. LIMIT THE PROJECTION OF A SURFACE OR SEMI-RECESSED MOUNTED DISPENSER FROM ENCROACHING MORE THAN 3 INCHES FROM THE FACE OF THE WALL OR PARTITION, AND NO CLOSER THAN 1-1/2 INCHES TO THE TANGENT POINT OF THE GRAB BAR (SECTION 11B-604.7).
   E. WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH (SECTION 11B-605.3).

DRINKING FOUNTAINS

1. WHERE ONLY ONE DRINKING FOUNTAIN AREA IS PROVIDED ON A FLOOR, IT SHALL BE ACCESSIBLE TO INDIVIDUALS WHO USE WHEEL CHAIRS IN ACCORDANCE WITH THIS SECTION AND ONE ACCESSIBLE TO THOSE WHO HAVE DIFFICULTY BENDING OR STOOPING. THIS CAN BE ACCOMODATED BY THE USE OF "HI-LOW" FOUNTAINS. (SECTION 11B-602)
2. CLEARANCES: WALL- AND POST-MOUNTED CANTILEVERED DRINKING FOUNTAINS SHALL BE A MINIMUM OF 18 INCHES AND A MAXIMUM OF 19 INCHES IN DEPTH AND SHALL HAVE A CLEAR KNEE SPACE BETWEEN THE BOTTOM OF THE APRON AND THE FLOOR NOT LESS THAN 27 INCHES IN HEIGHT, 30 INCHES IN WIDTH, AND 8 INCHES IN DEPTH (DEPTH MEASURED FROM FRONT EDGE OF FOUNTAIN BACK TOWARD THE WALLOR MOUNTING POST). THE KNEE CLEARANCE SPACE MUST BE FREE OF EQUIPMENT OR OBSTRUCTIONS. TOE CLEARANCE OF 9 INCHES IN HEIGHT ABOVE THE FLOOR AND 17 INCHES IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN SHALL BE PROVIDED, FREE OF EQUIPMENT AND OBSTRUCTIONS. A CLEAR FLOOR SPACE AT LEAST 30 INCHES BY 48 INCHES SHALL BE PROVIDED IN FRONT OF THE DRINKING FOUNTAITON TO ALLOW FORWARD APPROACH. A SIDE APPROACH DRINKING FOUNTAIN IS NOT ACCEPTABLE. (SECTIONS 11B-306 AND 11B-602.8)
3. ALCOVES: ALL DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE ALCOVE SHALL NOT BE LESS THAN 32 INCHES IN WIDTH AND 18 INCHES IN DEPTH. (SECTION 11B-602.9)
4. THE BUBBLER SHALL BE ACTIVATED BY A MANUAL CONTROL MECHANISM (THAT CAN BE OPERATED WITH ONE HAND WITHOUT TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST) THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE FOUNTAIN. (SECTION 11B-602.3)
5. THE BUBBLER ORIFICE SHALL BE LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE DRINKING FOUNTAIN AND WITHIN 36 INCHES OF THE FLOOR. (SECTION 11B-602.4 AND 11B-602.5)

LOCKERS

1. AT LEAST ONE LOCKER AND NOT LESS THAN 5% OF ALL LOCKERS SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. (SECTION 11B-225.2.1)
2. A CLEAR FLOOR SPACE OF AT LEAST 30 INCHES BY 48 INCHES THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED. (SECTION 11B-305)
3. HEIGHT: FOR FORWARD APPROACH, THE MAXIMUM HIGH FORWARD REACH SHALL BE 48 INCHES AND THE MINIMUM LOW FORWARD REACH IS 15 INCHES.. FOR PARALLEL APPROACH, THE MAXIMUM HIGH SIDE REACH SHALL BE 48 INCHES AND THE LOW SIDE REACH SHALL BE MINIMUM 15 INCHES ABOVE THE FLOOR. (SECTION 11B-308)
4. HARDWARE: LATCH & LOCKING HARDWARE SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE. (SECTION 11B-309.4)

ACCESSIBILITY SIGNAGE

1. INTERNATIONAL SYMBOL OF ACCESSIBILITY: THE FOLLOWING ELEMENTS AND SPACES OF ACCESSIBLE FACILITIES SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY:
   A. ACCESSIBLE PARKING SPACES.
   B. ACCESSIBLE AREA OF REFUGE.
   C. ACCESSIBLE PASSENGER LOADING ZONES.
   D. ACCESSIBLE TOILET AND BATHING FACILITIES.
   E. ALL MAIN ENTRY DOORS.
2. OTHER SIGNS: INACCESSIBLE BUILDING ENTRANCES, INACCESSIBLE PUBLIC TOILETS AND BATHING FACILITIES, AND ELEVATORS NOT ON AN ACCESSIBLE ROUTE SHALL BE PROVIDED WITH DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEARST SIMILAR ACCESSIBLE ELEMENT (SECTIONS 11B-216.3, 11B-216.6 AND 11B-216.9.2))
   A. AT EXITS SERVING A REQUIRED ACCESSIBLE SPACE, BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS, SIGNS SHALL BE INSTALLED INDICATING THE LOCATION OF ACCESSIBLE MEANS OF EGRESS. (SECTION 11B-216.4.3)
3. DESIGN: THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO INDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN THESE BUILDING STANDARDS AND AS SPECIFICALLY REQURED IN THESE NOTES (SECTION 11B-703.7.2.1).
4. COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. (SECTION 11B-703.7.2.1)
   A. EXCEPTION: THE APPROPRIATE ENORCEMENT AGENCY MAY APPROVE SPECIAL SIGNS AND IDENTIFICATION NECESSARY TO COMPLEMENT DECOR OR UNIQUE DESIGN WHEN IT IS DETERMINED THAT SUCH SIGNS AND IDENTIFICATION PROVIDE ADEQUATE DIRECTION TO PERSONS WITH DISABILITIES.(SECTION 11B-703.7.2.1, EXCEPTION)
5. CONTRAST AND FINISH: CHARACTER AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. THE (FINISH OF) CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH (SECTION 11B-703.5.1 AND 11B-703.7.1).
6. PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I" (SECTION 11B-703.5.4).
7. CHARACTER HEIGHT: MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I" (SECTION 11B-703.5.5).
8. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL ALSO BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE (SECTION 11B-703.2).
9. RAISED CHARACTERS AND PICTORIAL SYMBOL SIGNS: WHEN RAISED CHARACTERS OR SYMBOLS ARE USED, THEY SHALL CONFORM TO THE FOLLOWING REQUIREMENTS (11B-703.2 AND 11B-703.4).
   A. CHARACTER TYPE: LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SECTION 11B-703.2.1., 11B-703.2.3 AND 11B-703.3)
   B. CHARACTER SIZE: RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8 INCH HIGH TO A MAXIMUM HEIGHT OF 2 INCHES. (SECTION 11B-703.2.5)
   C. PICTORIAL SYMBOL SIGNS (PICTOGRAMS NONGEOMETRIC): 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 INCHES IN HEIGHT. (SECTION 11B-703.6.1)
   D. CHARACTER PLACEMENT: CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A MINIMUM OF 3/8 INCH AND A MAXIMUM OF 1/2 INCH DIRECTLY BELOW THE TACTILE CHARACTERS (FLUSH LEFT OR CENTERED). WHEN TACTILE TEXT IS MULTILINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT. (SECTION 11B-703.3.2)
10. BRAILLE: CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH ABOVE THE BACKGROUND. BRAIL DOTS SHALL BE DOMED OR ROUNDED (TABLE 11B-703.3.1).
11. MOUNTING LOCATION AND HEIGHT: WHERE PERMANENT IDENTIFICATION SIGNS ARE PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. (SECTION 11B-703.4.1 AND 11B-703.4.2).
12. ENTRANCE SIGNS: ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE INDENTIFIED WITH AT LEAST ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS (UTILIZING THE SYMBOL), AS REQUIRED AT JUNCTIONS WHERE THE ACCESSIBLE ROUTE OF TRAVEL DIVERGES FROM THE REGULAR CIRCULATION PATH, TO BE VISIBLE TO PERSONS ALONG APPROACHING CIRCULATION PATHS. (SECTION 11B-216.6)

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
LEWIS WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

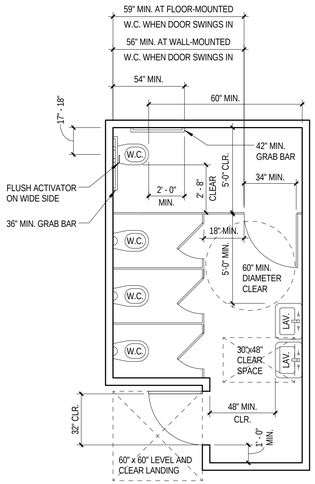
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

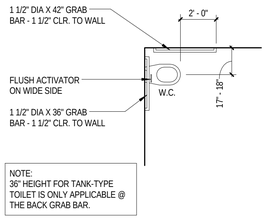
ACCESSIBILITY NOTES

G3.00

10/1/2014 4:18:13 PM

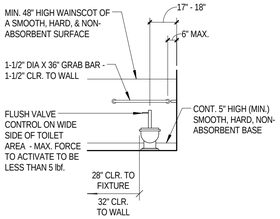


19 G3.10 **MULTIPLE ACCOMODATION TOILET**
1/4" = 1'-0"

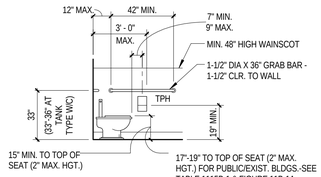


PLAN

14 G3.10 **WATER CLOSET**
1/4" = 1'-0"

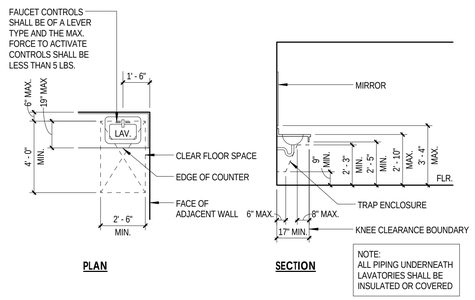


FRONT ELEVATION



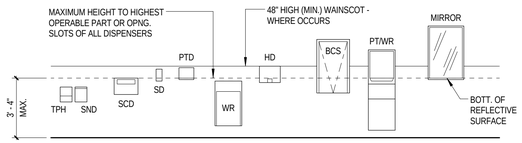
SIDE ELEVATION

15 G3.10 **LAVATORY COUNTER**
1/4" = 1'-0"

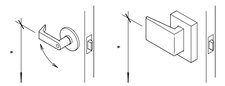


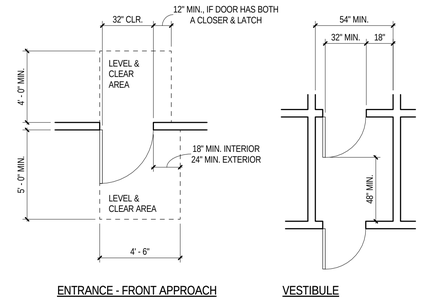
PLAN **SECTION**

11 G3.10 **ELEVATION OF TOILET ACCESSORIES**
1/4" = 1'-0"



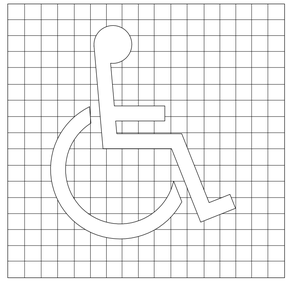
1 G3.10 **DOOR HARDWARE**
1/4" = 1'-0"



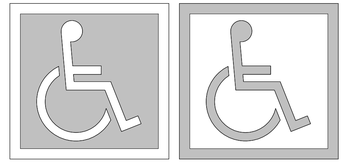


ENTRANCE - FRONT APPROACH VESTIBULE

5 G3.10 **WHEELCHAIR ACCESS**
1/4" = 1'-0"



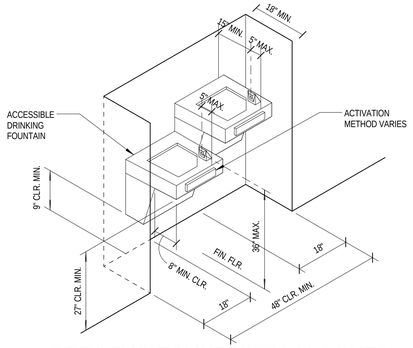
(A) SYMBOL PROPORTIONS



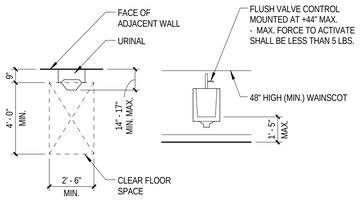
(B) DISPLAY CONDITIONS

2 G3.10 **INTERNATIONAL SYMBOL OF ACCESSIBILITY**
3" = 1'-0"

20 G3.10 **DRINKING FOUNTAIN IN ALCOVE2**
1/4" = 1'-0"

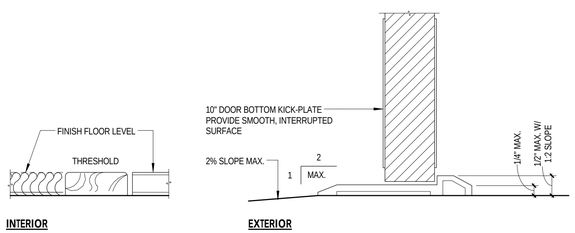


16 G3.10 **URINAL**
1/4" = 1'-0"



PLAN **ELEVATION**

8 G3.10 **THRESHOLDS**
1/4" = 1'-0"



LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
GREG WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

ACCESSIBILITY DETAILS

G3.10

PLOT DATE: 10/1/2014 2:57:37 PM

ABBREVIATIONS

A
ABN — ABANDON
ABS — ACRYLONITRILE–BUTADIENE–STYRENE
AB — ANCHOR BOLT, AGGREGATE BASE
AC — ASPHALTIC CONCRETE
ACP — ASBESTOS CEMENT PIPE
ACI — AMERICAN CONCRETE INSTITUTE
ADJ — ADJUSTABLE
AGGR — AGGREGATE
AISC — AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL — ALUMINUM
ALT — ALTERNATE
AP — ANGLE POINT
APPROX — APPROXIMATELY
ARCH — ARCHITECTURAL
ASTM — AMERICAN SOCIETY FOR TESTING & MATERIALS
AUTO — AUTOMATIC
AUX — AUXILIARY
@ — AT

B
BC — BEGIN CURVE
BCR — BEGIN CURB RETURN
BD — BOARD
BF — BLIND FLANGE
BFV — BUTTERFLY VALVE
BK — BOOK OR BACK
BLDG — BUILDING
BM — BENCH MARK, BEAM
BMP — BEST MANAGEMENT PRACTICE
BO — BLOW OFF
BOT — BOTTOM
BRG — BEARING
BTWN — BETWEEN
BV — BALL VALVE
BVC — BEGINNING OF VERTICAL CURVE
BW — BACK OF WALK
BWV — BACKWATER VALVE

C
C — CHANNEL (STRUCTURAL SHAPE)
CARV — COMBINATION AIR AND VACUUM RELEASE VALVE
CATV — CABLE TELEVISION
CB — CATCH BASIN
CEIL — CEILING
CFM — CUBIC FEET PER MINUTE
CFS — CUBIC FEET PER SECOND
CHEM — CHEMICAL
CI — CAST IRON
CIP — CAST IRON PIPE
C.I.P. — CAST IN PLACE
CJ — CONSTRUCTION JOINT
CLR — CLEAR
℄ — CENTERLINE
CMP — CORRUGATED METAL PIPE
CMU — CONCRETE MASONRY UNIT
CTSK — COUNTERSINK
CO — CLEANOUT
COL — COLUMN
CONC — CONCRETE
CONT — CONTINUOUS OR CONTINUED
COORD — COORDINATE
CPLG — COUPLING
CRS — COLD ROLLED STEEL
CTR — CENTER
CTS — COPPER TUBE SIZE
CU — CUBIC
CU FT — CUBIC FEET
CV — CHECK VALVE
CW — COLD WATER
CY — CUBIC YARD

D
° — DEGREE (ANGLE)
d — PENNY (NAIL SIZE)
D — STORM DRAIN
DB — DISTRIBUTION BOX
DBL — DOUBLE
DF — DOUGLAS FIR
DI — DROP INLET OR DUCTILE IRON
DIA — DIAMETER
DIAG — DIAGONAL
DIM — DIMENSION
DIMJ — DUCTILE IRON MECHANICAL JOINT
DIP — DUCTILE IRON PIPE
DET — DETAIL
DWG — DRAWING
DW — DRIVEWAY

E
(E) — EXISTING
E — EASTING OR EAST
EA — EACH
EC — END CURVE
ECR — END CURB RETURN
EF — EACH FACE
EFL — EFFLUENT
EG — EXISTING GRADE/GROUND
EL — ELBOW
ELEC — ELECTRIC OR ELECTRICAL
ELEV — ELEVATION
ENGR — ENGINEER
EP — EDGE OF PAVING
EQ — EQUAL
EQUIP — EQUIPMENT
ER — EDGE OF ROAD
EVC — END OF VERTICAL CURVE
EW — EACH WAY
EWEF — EACH WAY, EACH FACE
EXC — EXCAVATE
EXP — EXPOSED OR EXPANSION
EXP JT — EXPANSION JOINT
EXST — EXISTING
EXT — EXTERIOR

F
F — FLANGE
FC — FLEXIBLE COUPLING OR FACE OF CURB
FCA — FLANGED COUPLING ADAPTER
FD — FLOOR DRAIN
FDC — FIRE DEPARTMENT CONNECTION
FDN — FOUNDATION
FF — FINISH FLOOR
FG — FINISHED GRADE
FH — FIRE HYDRANT
FIG — FIGURE
FIN — FINISH
FIP — FEMALE IRON PIPE
FL — FLOW LINE
FLG — FLANGE
FLR — FLOOR
FLTR — FILTER
FO — FIBER OPTIC
FOC — FACE OF CONCRETE
FT — FOOT OR FEET
FT^2 — SQUARE FEET
FT^3 — CUBIC FEET
FTG — FOOTING
FUT — FUTURE

G
G — GAS
GA — GAGE
GALV — GALVANIZED
GIP — GALVANIZED IRON PIPE
GM — GAS METER
GPD — GALLONS PER DAY
GPH — GALLONS PER HOUR
GPM — GALLONS PER MINUTE
GRD — GRADE OR GROUND
GSP — GALVANIZED STEEL PIPE
GV — GATE VALVE
GYP — GYPSUM

H
HB — HOSE BIBB
HDPE — HIGH DENSITY POLYETHYLENE
HDR — HEADER
HDW — HARDWARE
HMA — HOT MIX ASPHALT
HOR — HORIZONTAL
HP — HORSEPOWER, HIGH POINT
HR — HOUR
HT — HEIGHT
HW — HOT WATER
HWR — HOT WATER RETURN
HWS — HOT WATER SUPPLY

I
ID — INSIDE DIAMETER
IN — INCH
INFL — INFLUENT
INSUL — INSULATE OR INSULATION
INT — INTERIOR
INV — INVERT
IPS — IRON PIPE SIZE

J
JT — JOINT
JP — JOINT POLE

K
KIP — THOUSAND POUNDS
KW — KILOWATT

L
∠ — ANGLE (DEGREES)
L — ANGLE (STRUCTURAL SHAPE)
LAT — LATERAL
LB — POUND
LF — LINEAR FEET
LG — LONG
LH — LEFT HAND
LONG — LONGITUDINAL
LP — LOW POINT
LPG — LIQUIFIED PETROLEUM GAS
LRP — LEGALLY RESPONSIBLE PARTY
LR — LONG RADIUS
LT — LEFT
LVC — LENGTH OF VERTICAL CURVE

M
MATL — MATERIAL
MAX — MAXIMUM
MECH — MECHANICAL
MF — MEGA–FLANGE PIPE JOINT
MFR — MANUFACTURER
MGD — MILLION GALLONS PER DAY
MH — MANHOLE
MIN — MINIMUM OR MINUTE
MIP — MALE IRON PIPE
MISC — MISCELLANEOUS
MJ — MECHANICAL JOINT
MNPT — MALE NATIONAL PIPE THREAD
MTL — METAL
MWS — MAXIMUM WATER SURFACE

N
(N) — NEW
N — NORTHING OR NORTH
NC — NORMALLY CLOSED
NIC — NOT IN CONTRACT
NF — NON–FREEZE
NO — NUMBER OR NORMALLY OPEN
NOM — NOMINAL
NP — NEW PAVEMENT
NPT — NATIONAL PIPE THREAD
NTS — NOT TO SCALE
— NUMBER

O
OC — ON CENTER
OD — OUTSIDE DIAMETER
OG — ORIGINAL GROUND
OVFL — OVERFLOW
OZ — OUNCE
OH — OVERHEAD

P
PC — POINT OF CURVE
PCC — PORTLAND CEMENT CONCRETE
PCF — POUNDS PER CUBIC FOOT
PE — PLAIN END
PERF — PERFORATED
PEP — POLYETHELENE PIPE
PI — POINT OF INTERSECTION
PL — PLATE
PL — PROPERTY LINE
PLCS — PLACES
PLYWD — PLYWOOD
PMP — PERFORATED METAL PIPE
POC — POINT ON CURVE
POT — POINT OF TANGENT
PP — POWER POLE
PRC — POINT OF REVERSE CURVE
PREFAB — PREFABRICATED
PRELIM — PRELIMINARY
PRESS — PRESSURE
PROP — PROPERTY
PSF — POUNDS PER SQUARE FOOT
PSI — POUNDS PER SQUARE INCH
PSIG — POUNDS PER SQUARE INCH, GAUGE
PT — POINT OF TANGENCY, POINT
PUE — PUBLIC UTILITY EASEMENT
PV — PLUG VALVE
PVC — POLYVINYL CHLORIDE PLASTIC
PVI — POINT OF VERTICAL INTERSECTION
PVMT — PAVEMENT

Q
QTY — QUANTITY

R
R — RADIUS
RC — RELATIVE COMPACTION
RCP — REINFORCED CONCRETE PIPE
RD — ROAD
RDCR — REDUCER
RWD — REDWOOD
REF — REFER OR REFERENCE
REINF — REINFORCED, REINFORCING OR REINFORCE
REQD — REQUIRED
RET — RETURN
RH — RIGHT HAND
RM — ROOM
RO — ROUGH OPENING
RSP — ROCK SLOPE PROTECTION
RT — RIGHT OR RING TIGHT
R/W — RIGHT OF WAY
RWL — RAIN WATER LEADER

S
S — SEWER
SL — SLOPE
SCHED — SCHEDULE
SCSD — SCOTIA COMMUNITY SERVICES DISTRICT
SD — STORM DRAIN
SDMH — STORM DRAIN MANHOLE
SECT — SECTION
SF — SQUARE FOOT/FEET
SHT — SHEET
SIM — SIMILAR
SP — SPACE OR SPACES
SPEC — SPECIFICATIONS
SQ — SQUARE
SQ FT — SQUARE FOOT
SQ IN — SQUARE INCH
SS — SANITARY SEWER
SSCO — SANITARY SEWER CLEAN OUT
SSMH — SANITARY SEWER MANHOLE
SST — STAINLESS STEEL
STA — STATION
STD — STANDARD
STL — STEEL
STR — STRUCTURAL
STRUCT — STRUCTURE
SUSP — SUSPENDED
SW — SIDEWALK
SWPPP — STORM WATER POLLUTION PREVENTION PLAN
SYMM — SYMMETRICAL

T
TAN — TANGENT
T&B — TOP AND BOTTOM
T&G — TONGUE AND GROOVE
TBC — TOP BACK CURB
TBM — TEMPORARY BENCH MARK
TBW — TOP BACK WALK
TC — TOP OF CURB
TCE — TEMPORARY CONSTRUCTION EASEMENT
TEL — TELEPHONE
TELEM — TELEMETRY
TEMP — TEMPERATURE OR TEMPORARY
TFC — TOP FACE CURB
THD — THREAD
TOC — TOP OF CONCRETE
TOG — TOP OF GRATE
TOS — TOWN OF SCOTIA
TOW — TOP OF WALL
TP — TURNING POINT, TOP OF PAVEMENT OR TELEPHONE POLE
TRANSV — TRANSVERSE
TS — TUBE, STRUCTURAL
TYP — TYPICAL

U
UBC — UNIFORM BUILDING CODE
UOS — UNLESS OTHERWISE SPECIFIED
UG — UNDERGROUND
UTIL — UTILITY

V
V — VOLT
VAC — VACUUM
VAR — VARIES
VC — VERTICAL CURVE
VCP — VITRIFIED CLAY PIPE
VERT — VERTICAL
VG — VALLEY GUTTER
VPI — VERTICAL POINT OF INTERSECTION

W
W — WATER OR WIDE FLANGE
W/ — WITH
W/O — WITHOUT
WM — WATER METER
WP — WORK POINT
WS — WATER SURFACE, WATER STOP
WWF — WELDED WIRE FABRIC

X
XFMR — TRANSFORMER

Y
YD — YARD
YD^2 — SQUARE YARD
YD^3 — CUBIC YARD

UTILITIES LEGEND

PROPOSED	EXISTING	
⋈	⊗	GATE VALVE
⋈ PV	⊗ PV	PLUG VALVE
⋈ BV	⊗ BV	BALL VALVE
⋈ BFV	⊗ BFV	BUTTERFLY VALVE
P ⋈	P ⋈	AUTOMATICALLY OPERATED VALVE (P= PNEUMATIC, E= ELECTRIC, S= SOLENOID, H= HYDRAULIC, D= DIAPHRAGM ACTUATOR)
⋈	⋈	3–WAY VALVE
⋈	⋈	GLOBE VALVE
⋈	⋈	ANGLE VALVE
⋈	⋈	PRESSURE REGULATING VALVE
⋈	⋈	PRESSURE RELIEF VALVE
⋈	⋈	CHECK VALVE
⋈	⋈	AIR OR VACUUM RELEASE VALVE
⋈ AV	⋈ AV	AIR AND VACUUM VALVE
⋈ CA	⋈ CA	COMBINATION AIR VALVE
⋈	⋈	FLOW METER
⋈	⋈ NF	HOSE BIBB (NF= NON–FREEZE)
▬▶	▷	REDUCER
		FIRE HYDRANT
▤	▤	DROP INLET
●—	○	MANHOLE
——▶	——◁	SEWER CLEAN OUT OR SEWER LATERAL
—E—	– –E– –	UNDERGROUND ELECTRICAL
OH E	OH E	OVERHEAD ELECTRICAL
—FO—	– –FO– –	FIBER OPTIC LINE
—TV—	– –TV– –	CABLE TELEVISION
—J—	– –J– –	JOINT UTILITIES
—TM—	– –TM– –	UNDERGROUND TELEMETRY LINE
OH TM	OH TM	OVERHEAD TELEMETRY LINE
—T—	– –T– –	UNDERGROUND TELEPHONE LINE
OH T	OH T	OVERHEAD TELEPHONE LINE
—FW—	– –FW– –	FIRE WATER LINE
—ST—	– –ST– –	STEAM LINE
—W—	– –W– –	WATER LINE
—SS—	– –SS– –	SANITARY SEWER LINE
—SD—	– –SD– –	STORM DRAIN LINE
—G—	– –G– –	GAS LINE
—FM—	– –FM– –	FORCE MAIN AND DIRECTION OF FLOW
		CULVERT
●—○	○—○	POLE MOUNTED ROADWAY LUMINAIRE
	NOT USED	ITEM TO BE REMOVED
		ITEM TO BE ABANDONED IN PLACE
□3		WATER SERVICE– WM–1= SINGLE WM–2= DUAL
	PB □	PULL BOX AND DESIGNATION
⊢ R4–4	⊢	SIGN AND DESIGNATION

SIZE AND MATERIAL OF EXISTING PIPING MAY BE SHOWN WHEN KNOWN.

SIZE AND MATERIAL OF NEW PIPING MAY BE SHOWN ON PLAN OR IN PROFILE.

CURVE DATA

R (RADIUS)
L (LENGTH)
△ (DELTA)
T (TANGENT)

NOTES

1. CONTACT THE ENGINEER FOR SYMBOLS NOT LISTED.
2. THIS IS A STANDARD SHEET, THEREFORE, SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET WHICH DO NOT APPEAR ON THE PLANS.
3. SITE AND UTILITY SYMBOLS SHOWN ON THIS SHEET ARE NOT INTENDED TO REPRESENT THE PHYSICAL SCALE OR SHAPE OF ANY ITEMS. WHERE LARGE–SCALE PLANS ARE PRESENTED, THE SYMBOLS SHOWN HEREON MAY BE REPLACED BY DETAILS MORE SUITED TO THE DRAWING SCALE.

TOPOGRAPHIC LEGEND

PROPOSED	EXISTING	
△	△	P.I. (POINT OF INTERSECTION)
NOT USED	×	TEMPORARY BENCH MARK
47.55	NOT USED	FINISH GRADE ELEVATON
NOT USED	42.6 X	ELEVATION OF ORIGINAL GROUND
		RADIAL POINT
		FLOW LINE AND DIRECTION
		TOP OF CUT
		TOP OF FILL
		TOE OF CUT OR FILL
200	180	CONTOUR LINE
		CONCRETE (IN PLAN)
		CONCRETE (IN SECTION)
		PAVEMENT
NOT USED		ROCKS
NOT USED		STUMPS
		TREES
		ROADS
	TP	UTILITY POLE (PP=POWER POLE, TP= TEL POLE, JP=JOINT POLE)
		GUY WIRE
		FENCE
	P	BOUNDARY LIMITS, W/DESIGNATION
		CENTERLINE
NOT USED		MARSH
		WETLAND
NOT USED		SPRING
TP–4	TP–4	TEST PIT AND DESIGNATION
		EXPLORATION BORE HOLE
		PROPERTY CORNER
		SURVEY MONUMENT
		CONTROL POINT
		DRIVEWAY

DETAIL AND SECTION DESIGNATION

SECTION (LETTER) OR DETAIL (NUMERAL) DESIGNATION → A

INDICATES SECTION OR DETAIL TAKEN AND SHOWN ON SAME SHEET → C–5

ON DRAWING WHERE SECTION OR DETAIL IS TAKEN:
SHEET NUMBER WHERE SHOWN

ON DRAWING WHERE SECTION OR DETAIL IS SHOWN:
SHEET NUMBER WHERE TAKEN

STANDARD DETAIL NUMBER (DETAIL MAY BE SHOWN ON ANY SHEET WITHIN THE DRAWING SET → 006

Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky•donaldson•zagaroli•wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501

707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JSO/CDN
Checked By: GNH

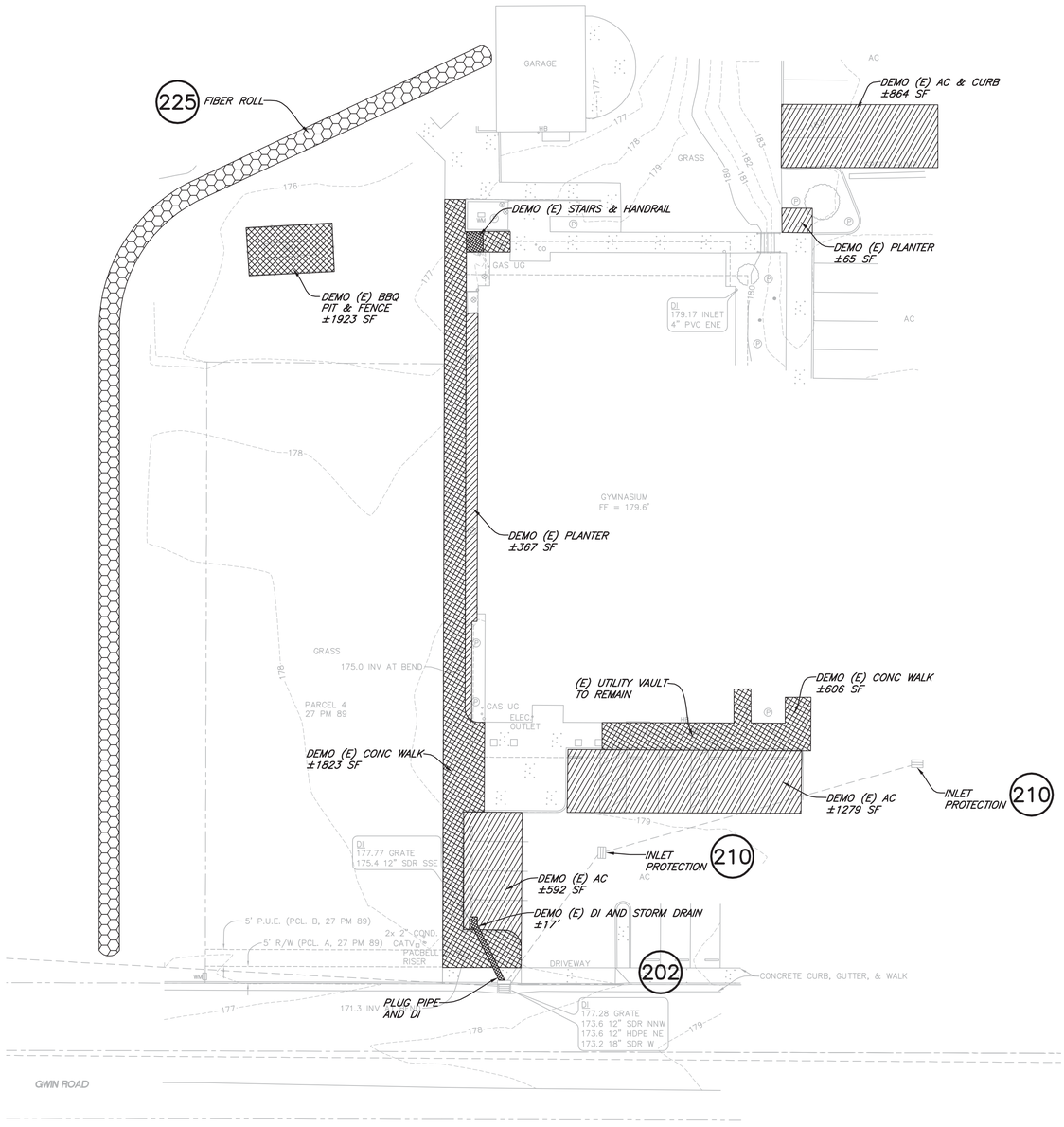
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

NOT FOR CONSTRUCTION
PLAN CHECK SET
June 27, 2014

STANDARD ABBREVIATIONS AND LEGENDS

C-1

SAVED: 9/17/2014 12:52 PM NOONKEY, PLOTTED: 9/19/2014 11:54 AM JARED O'BARR
\\ZINC\Projects\2012\012126-MCSD\eng\Cir\Dwgs\012126-STND-ABBR.dwg



1"=20'

SAVED: 9/17/2014 12:38 PM NDOWNEY, PLOTTED: 9/19/2014 11:55 AM JARED O'BARR
\\Zfnp\Projects\2012\012126-MCSDTeenCtr\Dwgs\012126-DEMO-PLAN.dwg

SHN Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501

707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

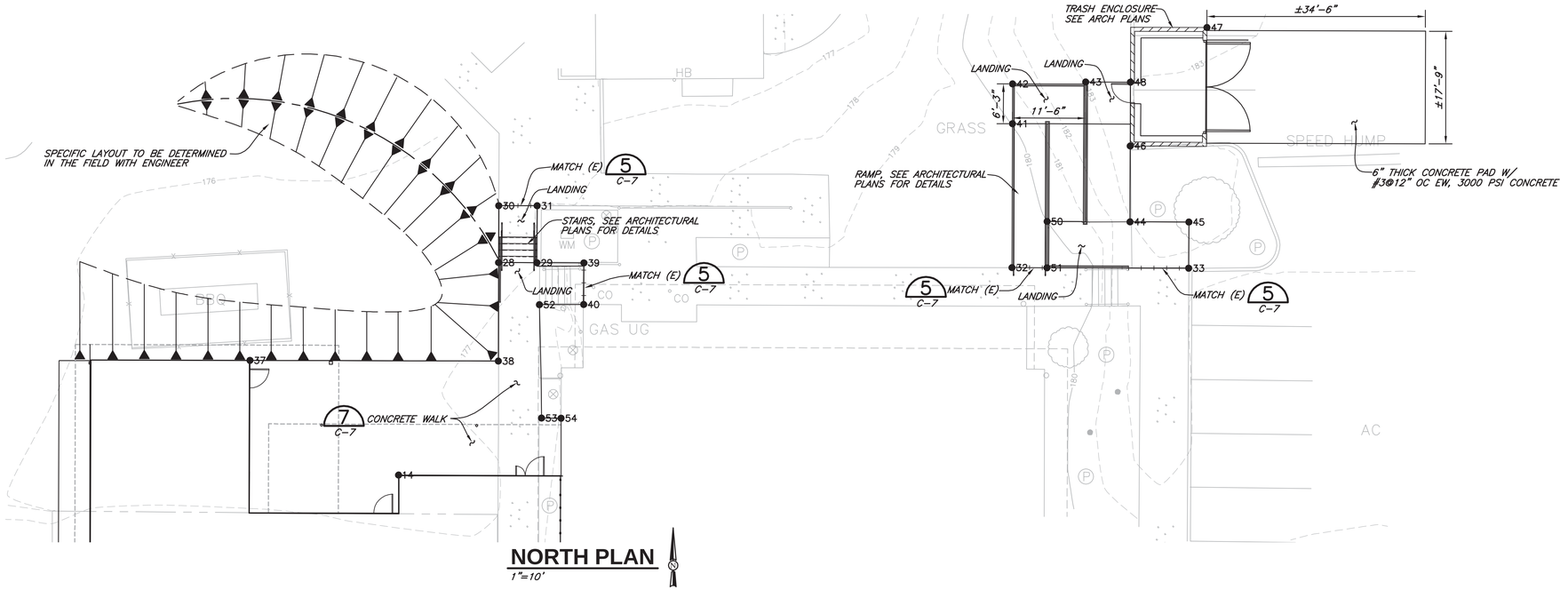
Project No.: 635-1-12
Drawn By: JSO/CDN
Checked By: GNH

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

NOT FOR CONSTRUCTION
PLAN CHECK SET
June 27, 2014

DEMOLITION PLAN

C-2



SURVEY CONTROL

POINT#	NORTHING	EASTING
1	5044.70	10047.19
2	5054.23	10037.72
3	5054.27	10026.37
4	5049.29	10021.36
5	5034.29	10021.31
6	5034.49	9958.31
7	5050.49	9958.36
8	5053.50	9955.37
9	5080.13	9955.46
10	5080.52	9988.47
11	5079.91	10023.32
12	5079.79	10044.57
13	5119.04	9969.40
14	5218.31	10008.86
15	5121.52	9988.60
16	5106.38	10036.44
17	5106.40	10032.44
18	5098.33	10060.98
19	5106.28	10071.10
20	5097.94	10132.66
21	5079.51	10129.82
22	5079.72	10060.76
23	5079.77	10047.44
24	5094.44	10014.01
25	5088.38	10033.88
26	5033.93	10036.80
27	5033.95	10030.80
28	5251.74	10024.59
29	5251.72	10030.62
30	5260.69	10024.61

SURVEY CONTROL

POINT#	NORTHING	EASTING
31	5260.67	10030.66
32	5250.95	10105.34
33	5250.86	10133.13
34	5088.44	10013.99
35	5099.39	10029.92
36	5133.45	10004.98
37	5236.36	9985.48
38	5236.24	10024.54
39	5251.69	10038.00
40	5245.15	10037.97
41	5273.58	10105.41
42	5279.83	10105.43
43	5280.14	10116.94
44	5258.14	10123.91
45	5258.11	10133.16
46	5270.06	10123.94
47	5288.69	10136.00
48	5280.12	10123.98
49	5106.09	10125.11
50	5258.21	10110.86
51	5250.93	10110.84
52	5245.11	10031.01
53	5227.28	10031.34
54	5227.27	10034.43

SHN Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501
707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JSO/CDN
Checked By: GNH

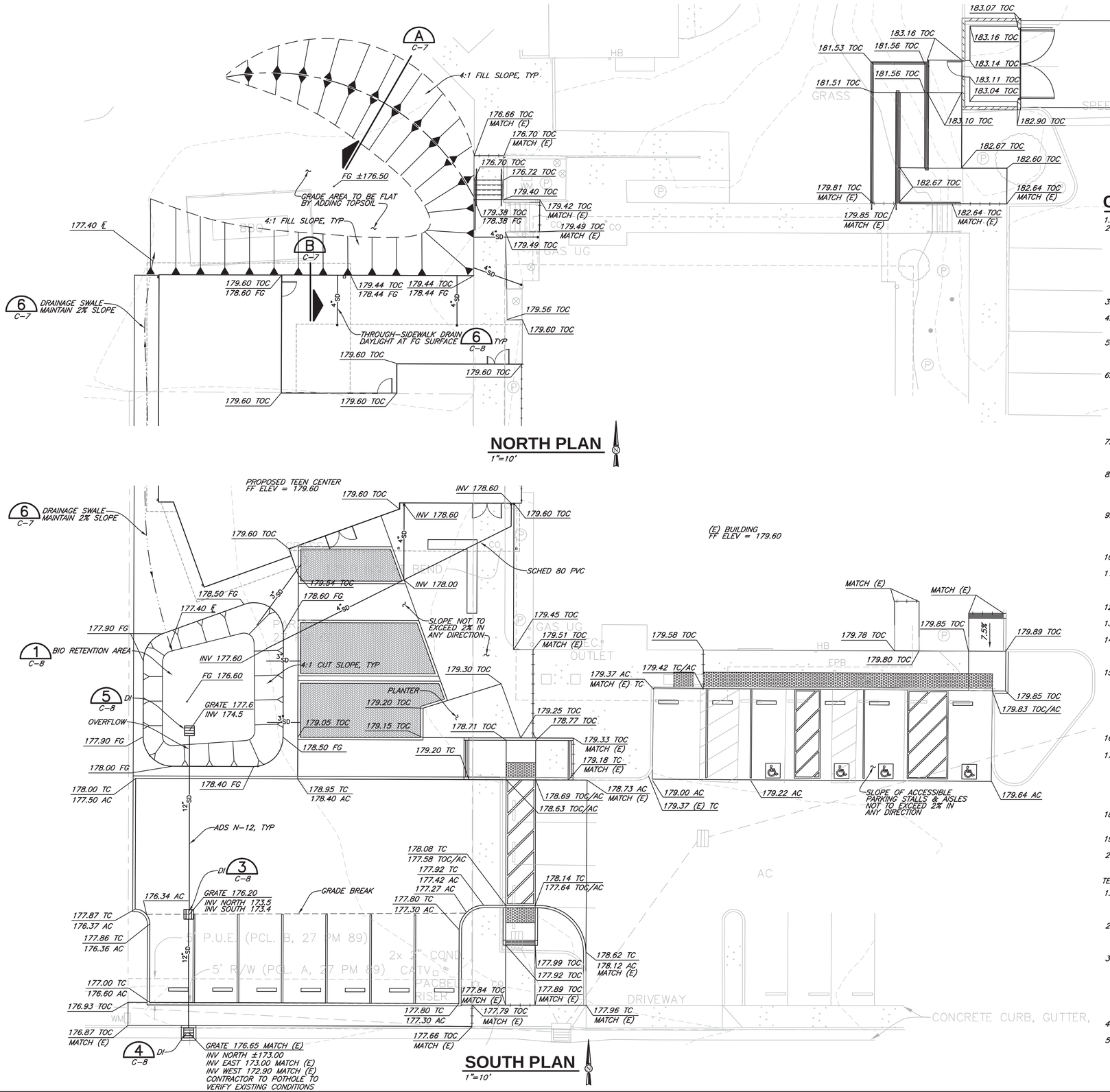
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

NOT FOR CONSTRUCTION
PLAN CHECK SET
June 27, 2014

SITE PLAN

C-3

SAVED: 9/19/2014 11:46 AM JOBARR, PLOTTED: 9/19/2014 11:56 AM JARED O'BARR
\ZING\Projects\2012\012126-MCSDTeenCtr\Dwgs\012126-SITE-PLAN.dwg



GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO CURRENT CALIFORNIA BUILDING CODE.
2. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDED SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
3. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
4. THE CONTRACTOR SHALL PROVIDE A COPY OF THE TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
5. CONTRACTOR SHALL PERFORM TRENCH WORK IN CONFORMANCE WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS AND SHALL CONFORM TO ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH STANDARDS, RULES, REGULATIONS AND ORDERS ESTABLISHED BY THE STATE OF CALIFORNIA AND OTHER APPLICABLE AGENCIES.
6. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, GENERAL CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. ALL WORK AND EQUIPMENT SHALL COMPLY WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, THE ENGINEER AND HIS/HER CONSULTANTS.
7. THE CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY AND TREE CONDITIONS THROUGHOUT THE SITE, AND ASSUME THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE OR OTHER CONDITIONS WHICH MAY BE ENCOUNTERED IN THE COURSE OF THE WORK.
8. ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS, OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK SHOWN HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
9. PAVED AREAS AT THE ACCESS POINTS SHALL BE SWEPT OR VACUUMED AS OFTEN AS EACH DAY TO ELIMINATE TRACKING SOIL AND DEBRIS ONTO THE PUBLIC STREETS. ANY SOILS AND/OR DEBRIS, ROCK, GRAVEL, ETC. TRACKED ONTO PUBLIC STREET AS A RESULT OF THIS PROJECT SHALL BE REMOVED IMMEDIATELY. PAVED AREAS WITHIN THE RIGHT OF WAY SHALL BE LEFT IN A CLEANED CONDITION AT THE END OF EACH WORK DAY.
10. ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED TESTED AND APPROVED PRIOR TO PAVING.
11. THE CONTRACTOR SHALL NOT BEGIN EXCAVATING UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) TWO WORKING DAYS BEFORE DIGGING AT (800) 227-2600 FOR LOCATES.
12. GRADING AND CONSTRUCTION CONTRACTORS SHALL STOP WORK IF CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL GIVE THE INSPECTOR 48 HOURS ADVANCE NOTICE OF ANY CONSTRUCTION OR REQUIRED TESTING.
14. THE CONTRACTOR SHALL NOT ALLOW ANY CONSTRUCTION DEBRIS TO ENTER THE STORM DRAIN OR SANITARY SEWER SYSTEMS. THE CONTRACTOR SHALL INSTALL APPROVED PHYSICAL BARRIERS TO ENSURE THAT ALL DEBRIS IS CAPTURED AND REMOVED FROM SURFACE RUNOFF PRIOR TO RELEASING SITE RUNOFF.
15. SHOULD THE CONTRACTOR OR ANY OF HIS AGENTS OR EMPLOYEES ENCOUNTER OR DISCOVER MATERIALS WHICH APPEAR TO BE HAZARDOUS DURING THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY AND SUSPEND WORK IN THE AFFECTED AREA UNTIL THE ENGINEER HAS INSPECTED THE LOCATION AND MATERIAL IN QUESTION. SHOULD IT BE NECESSARY TO UNDERTAKE REMEDIATION, THE ENGINEER WILL GIVE WRITTEN NOTICE TO SUSPEND WORK IN THE AFFECTED AREA UNTIL THE PROPER COURSE OF ACTION HAS BEEN DETERMINED. OPERATIONS IN THE AFFECTED AREA SHALL BE RESUMED ONLY UPON WRITTEN NOTICE BY THE ENGINEER.
16. SURFACE SLOPES OF ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED ONE UNIT VERTICAL IN 50 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION.
17. ALL SITE GRADING WILL BE INSPECTED BY THE ENGINEER. COMPACTION TESTING WILL BE CONDUCTED AFTER SUFFICIENT DENSITIES HAVE BEEN ACHIEVED IN THE CONTRACTOR'S OPINION. THE CONTRACTOR SHALL MAKE ALL REQUESTS FOR MATERIALS TESTING AT LEAST 48 HOURS IN ADVANCE. ANY SOILS THAT FAIL TO MEET THE REQUIRED COMPACTION LEVELS SHALL BE REMOVED, AND RECOMPACTED. ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE CONTRACTOR'S ORIGINAL BID.
18. THE TOPSOIL SHALL BE REMOVED FROM CUT AND FILL AREAS AND SHALL NOT BE USED FOR ENGINEERED FILL. TOPSOIL SHALL BE STOCKPILED SEPARATELY AND REPLACED OVER AREAS OF EXPOSED SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES.
19. ALL SIDEWALKS AND WALKWAYS SHALL HAVE A GRADE OF LESS THAN 5% AND A MAXIMUM CROSS SLOPE OF 2%.
20. NO CHANGES OR MODIFICATIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE ENGINEER.

TESTING AND INSPECTION

1. ALL SITE GRADING, SUBGRADE, AND BACKFILLING WILL BE INSPECTED BY THE ENGINEER. CONTRACTOR TO PROVIDE 48 HOUR NOTICE IN ADVANCE OF REQUIRED INSPECTION. FAILURE TO GIVE ADEQUATE NOTICE MAY RESULT IN TESTING DELAYS WHICH WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE ENGINEER WILL MAKE ALL COMPACTION TESTS WHEN ADVISED BY THE CONTRACTOR THAT IN THE OPINION OF THE CONTRACTOR, SUFFICIENT DENSITIES HAVE BEEN ACHIEVED. THE CONTRACTOR SHALL FURNISH A BACKHOE AND OPERATOR UPON REQUEST AT NO COST TO OWNER.
3. THE CONTRACTOR SHALL MAKE ALL NECESSARY EXCAVATIONS FOR COMPACTION TESTS. COSTS OF EXCAVATION, BACKFILLING, AND COMPACTING IN CONNECTION WITH COMPACTION TESTING SHALL BE BORNE BY THE CONTRACTOR. A FAILING COMPACTION TEST INDICATES THAT THE REQUIRED COMPACTION STANDARDS HAVE NOT BEEN ACHIEVED. ANY FILL MATERIAL OR PORTION OF FILL MATERIAL THAT DOES NOT MEET THE SPECIFIED REQUIREMENTS SHALL BE REMOVED AND RECOMPACTED UNTIL THE REQUIREMENTS ARE SATISFIED AT NO ADDITIONAL COST TO THE OWNER. COSTS ASSOCIATED WITH RETESTING PREVIOUSLY FAILED AREAS SHALL BE PAID BY CONTRACTOR.
4. EXCAVATIONS FOR COMPACTION TESTS SHALL BE BACKFILLED WITH MATERIAL SIMILAR TO THAT EXCAVATED, AND BE COMPACTED TO THE SPECIFIED DENSITY.
5. ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE BID PRICES PAID FOR THE BID ITEM INVOLVED AND THEREFORE NO ADDITIONAL COMPENSATION SHALL BE MADE.

SHN Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501
707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.:	635-1-12
Drawn By:	JSO/CDN
Checked By:	GNH

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

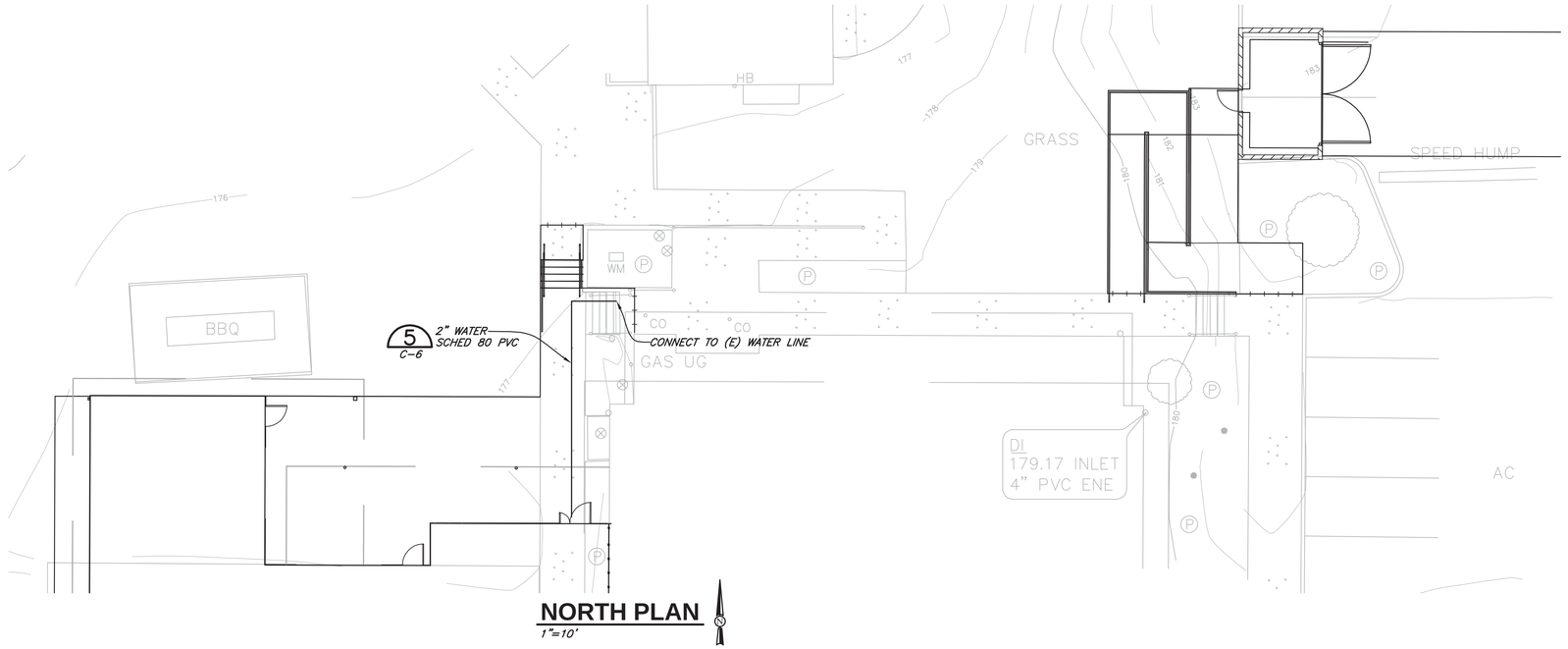
NOT FOR CONSTRUCTION

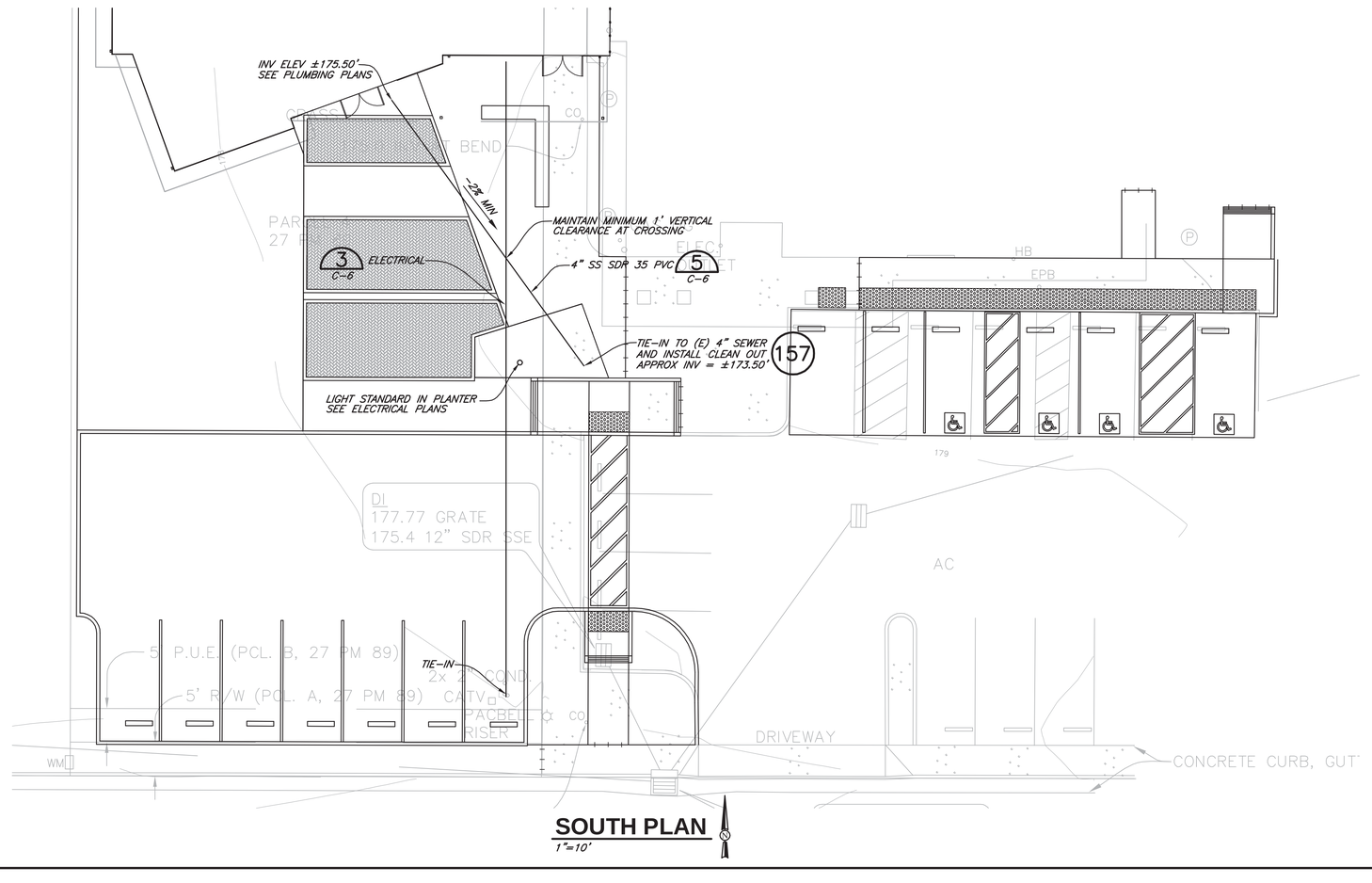
PLAN CHECK SET
June 27, 2014

GRADING PLAN

C-4

SAVED: 9/19/2014 11:52 AM JOBARR, PLOTTED: 9/19/2014 11:56 AM JARED O'BARR
\ZING\Projects\2012\012126-MCSDTeenCtr\Dwgs\012126-GRDG-PLAN.dwg





SAVED: 9/19/2014 8:42 AM JOBARR, PLOTTED: 9/19/2014 11:57 AM JARED O'BARR
\\ZINC\Projects\2012\012126-MCSD\Teen\Civil\Dwgs\012126-UTIL-PLAN.dwg

SHN Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501

707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

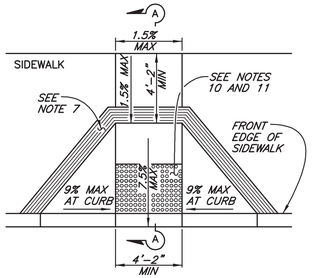
Project No.: 635-1-12
Drawn By: JSO/CDN
Checked By: GNH

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

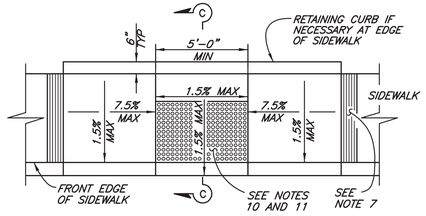
NOT FOR CONSTRUCTION
PLAN CHECK SET
June 27, 2014

UTILITY PLAN

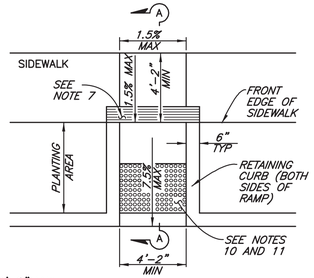
C-5



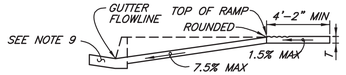
CASE A



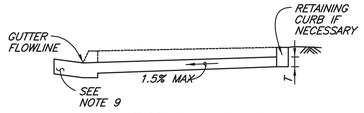
CASE C



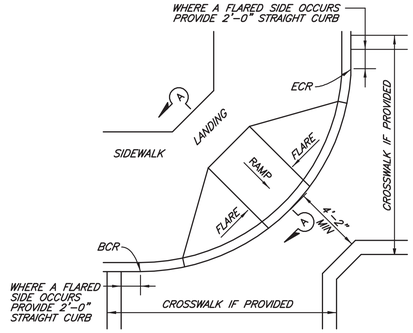
CASE F



SECTION A–A



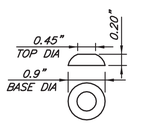
SECTION C–C



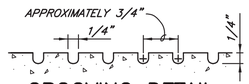
DETAIL B

TYPICAL ONE–RAMP CORNER INSTALLATION

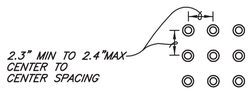
See Notes 1 and 3



RAISED TRUNCATED DOME



GROOVING DETAIL



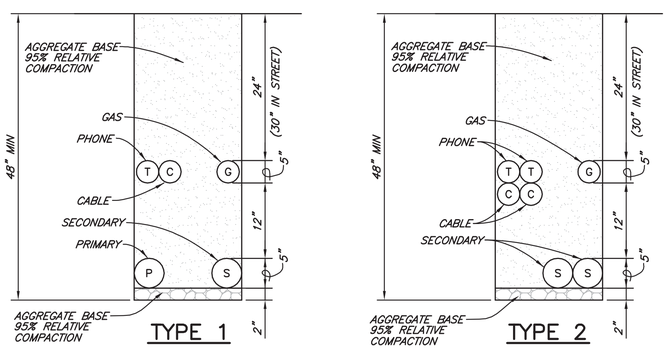
RAISED TRUNCATED DOME PATTERN (IN–LINE)

DETECTABLE WARNING SURFACE

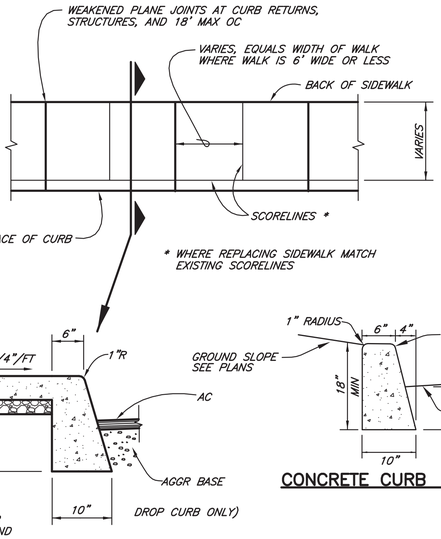
NOTES:

1. AS SITE CONDITIONS DICTATE, CASE A, CASE C OR CASE F CURB RAMPS MAY BE USED FOR CORNER INSTALLATIONS SIMILAR TO THOSE SHOWN IN DETAIL B. THE CASE OF CURB RAMPS USED IN DETAIL A DO NOT HAVE TO BE THE SAME. CASE A THROUGH CASE G CURB RAMPS ALSO MAY BE USED AT MID BLOCK LOCATIONS, AS SITE CONDITIONS DICTATE.
2. IF DISTANCE FROM CURB TO BACK OF SIDEWALK IS TOO SHORT TO ACCOMMODATE RAMP AND 4'–0" PLATFORM (LANDING) AS SHOWN IN CASE A, THE SIDEWALK MAY BE DEPRESSED LONGITUDINALLY AS IN CASE C.
3. WHEN RAMP IS LOCATED IN CENTER OF CURB RETURN, CROSSWALK CONFIGURATION MUST BE SIMILAR TO THAT SHOWN FOR DETAIL B.
4. NOT USED.
5. IF LOCATED ON A CURVE, THE SIDES OF THE RAMP NEED NOT BE PARALLEL, BUT THE MINIMUM WIDTH OF THE RAMP SHALL BE 4'–0".
6. SIDE SLOPE OF RAMP FLARES VARY UNIFORMLY FROM A MAXIMUM OF 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP, EXCEPT IN CASE C.
7. THE CURB RAMP SHALL BE OUTLINED, AS SHOWN, WITH A 1'–0" WIDE BORDER WITH ¼" GROOVES APPROXIMATELY ¾" ON CENTER. SEE GROOVING DETAIL.
8. TRANSITIONS FROM RAMPS AND LANDING TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
9. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5 PERCENT WITHIN 4'–0" OF THE TOP AND BOTTOM OF THE CURB RAMP.
10. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'–0" DEPTH OF THE RAMP. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON WET CONCRETE SURFACE TO ENSURE PROPER PROPER ADHESION. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE DETAILS ON THIS PLAN AND THE REQUIREMENTS IN THE SPECIAL PROVISIONS.
11. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE.
12. SIDEWALK AND RAMP THICKNESS, "T", SHALL BE 3 1/2" MINIMUM.
13. UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP WILL BE RELOCATED OR ADJUSTED TO GRADE BY THE OWNER PRIOR TO, OR IN CONJUNCTION WITH, CURB RAMP CONSTRUCTION.
14. FOR RETROFIT CONDITIONS, REMOVAL AND REPLACEMENT OF CURB APRON WILL BE AT THE CONTRACTOR'S OPTION, UNLESS OTHERWISE SHOWN ON PROJECT PLANS.

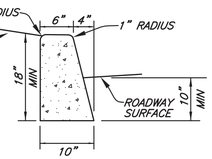
DETAIL 1
NTS C–3



DETAIL 3
NTS C–5



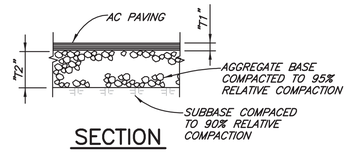
DETAIL 2
NTS C–3



CONCRETE CURB ONLY

THICKNESS

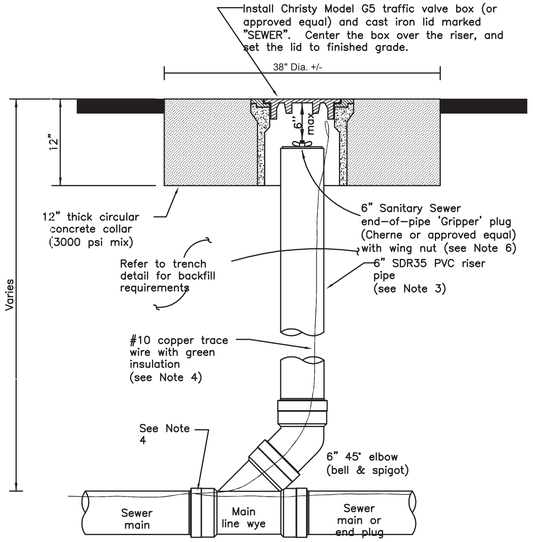
"T1"	"T2"
3"	6"



SECTION

TYPICAL PAVING STRUCTURAL SECTION 202

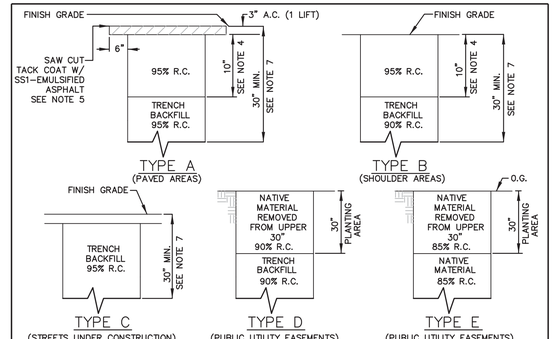
NTS



NOTES:

1. Factory manufactured fittings shall be used exclusively. Sewer saddles shall only be used after approval of the City.
2. All fittings and cleanout piping shall be 6" SDR26 PVC sewer pipe.
3. All cleanouts shall be installed with a #10 copper trace wire with green insulation taped to the sanitary sewer pipe. Cleanout trace wire shall be securely connected to the sewer main trace wire at one end with water proof, corrosion resistant connector, and shall terminate in a loop just below the lid in the cleanout box at the other end.
4. PVC riser shall NOT end in a bell flange or 'Caulder'–type coupling.
5. Riser shall terminate at the required clearance with a level cut.

DETAIL 4
NTS C–5



NOTES:

1. 1/4 PIPE O.D. OR 4" MIN. WHEN EXCAVATION IS IN ROCKY GROUND.
2. PIPE DIAMETER 18" OR LESS: 6" MIN., 9" MAX/PIPE DIA. GREATER THAN 18": 9" MIN., 12" MAX.
3. RELATIVE COMPACTION DESIGNATED R.C.
4. THE MINIMUM STREET STRUCTURAL SECTION SHALL BE 3" A.C. ON 10" A.B. OR MATCH EXISTING PAVEMENT, WHICHEVER IS THICKER, SPECIFIED ON PLANS, OR REQUIRED BY ENCROACHMENT PERMIT.
5. SAW CUT PAVEMENT SIX INCHES FROM EDGE OF TRENCH AFTER TRENCH IS BACKFILLED.
6. MINIMUM PIPE COVER SHALL BE 36" FROM TOP OF PIPE.
7. NEW STREETS AND SHOULDER AREAS UNDER CONSTRUCTION SHALL BE COMPACTED TO 95% RELATIVE COMPACTION FOR A MINIMUM DEPTH OF 30" PER CALTRANS SECTION 19–5.03.
8. INSTALL #12 COPPER COATED TRACER WIRE ON/OVER ALL NON–METALLIC MAINS.

HUMBOLDT COMMUNITY SERVICES DISTRICT	WATER AND SEWER STANDARD TRENCH DETAILS	APPROVED DATE: 6–96 STD. DWG. SS–200A

DETAIL 5
NTS C–5

Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky·donaldson·zagaroli·wohlle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501
707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER JARED S. O'BARR No. 76125 CIVIL STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JSO/CDN
Checked By: GNH

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

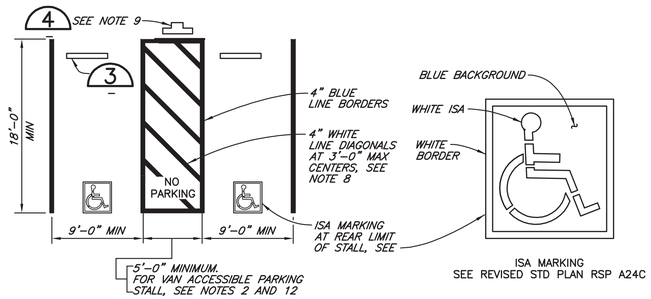
NOT FOR CONSTRUCTION

PLAN CHECK SET
June 27, 2014

DETAILS

C-6

SAVED: 9/19/2014 11:42 AM JOBBARR, PLOTTED: 9/19/2014 11:58 AM JARED O'BARR
\ZING\Projects\2012\012126-MCSD\eencfr\Dwgs\012126-DETS.dwg



ISA MARKING
SEE REVISED STD PLAN RSP A24C

SIGN R99C (CA)
SEE NOTE 6

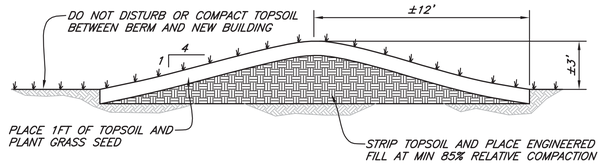
SIGN R100B (CA)
SEE NOTE 9

SIGN R7-8b
SEE NOTES 2 AND 6

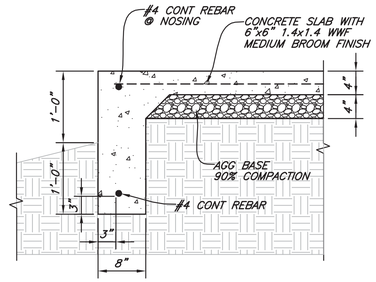
DETAIL 1
NTS C-3

NOTES:

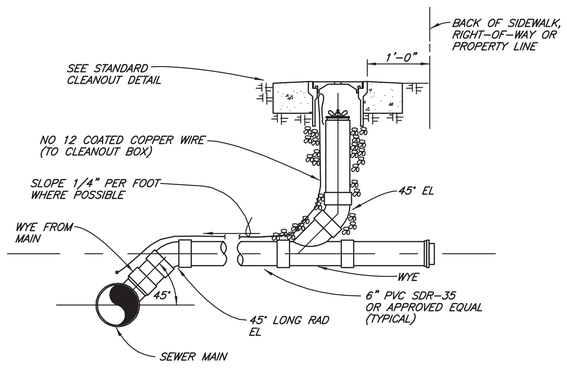
1. ACCESSIBLE PARKING SPACES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE. IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING, ACCESSIBLE PARKING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY.
2. ONE IN EVERY EIGHT ACCESSIBLE OFF-STREET PARKING STALLS, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESSIBLE AISLE OF 8'-0" MINIMUM WIDTH AND SHALL BE SIGNED VAN ACCESSIBLE. THE R7-8B SIGN SHALL BE MOUNTED BELOW THE R99B (CA) PLAQUE OR THE R99C (CA) SIGN.
3. IN EACH PARKING STALL, A CURB OR BUMPER SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF VEHICLES OVER THE REQUIRED WIDTH OF WALKWAYS. PARKING STALLS SHALL BE SO LOCATED THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN.
4. SURFACE SLOPES OF ACCESSIBLE OFF-STREET PARKING STALLS SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 2 PERCENT IN ANY DIRECTION.
5. WHERE PLAQUE R99B (CA), SIGN R99C (CA) OR SIGN R7-8B ARE INSTALLED, THE BOTTOM OF THE SIGN OR PLAQUE PANEL SHALL BE A MINIMUM OF 7'-0" ABOVE THE SURROUNDING SURFACE.
6. CURB RAMPS SHALL CONFORM TO THE DETAILS SHOWN ON REVISED STANDARD PLAN RSP A88A.
7. BLUE PAINT, INSTEAD OF WHITE MAY BE USED FOR MARKING ACCESSIBILITY AISLES IN AREAS WHERE SNOW MAY CAUSE WHITE MARKINGS TO NOT BE VISIBLE.
8. THE WORDS "NO PARKING", SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEE REVISED STANDARD PLAN RSP A90B FOR DETAILS OF THE "NO PARKING" PAVEMENT MARKING.
9. A R100B (CA) SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL. THE SIGN SHALL INCLUDE THE ADDRESS WHERE THE TOWED VEHICLE MAY BE RECLAIMED AND THE TELEPHONE NUMBER OF THE LOCAL TRAFFIC LAW ENFORCEMENT AGENCY.
10. WHERE A SINGLE (NON-VAN) ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
11. WHERE A VAN ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE 8'-0" WIDE MINIMUM, AND SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
12. ACCESSIBLE PARKING ONLY SIGN SHALL BE SIGN R99C (CA) OR SIGN R99 (CA) WITH PLAQUE R99B (CA).



SECTION A
NTS C-4

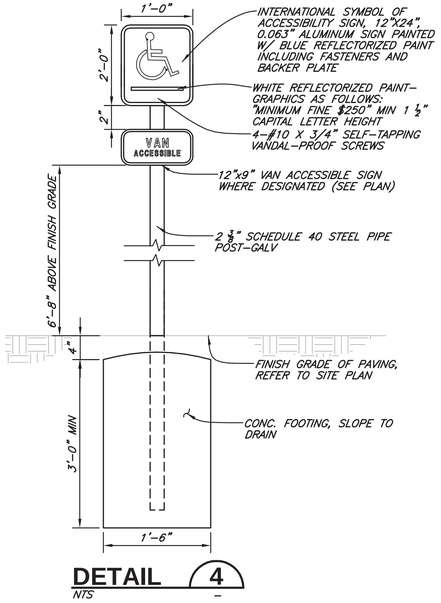


SECTION B
NTS C-4

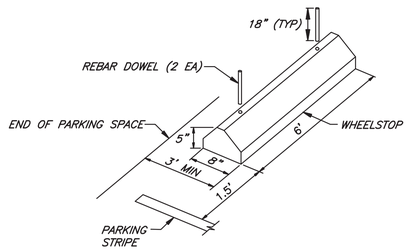


SINGLE SERVICE LATERAL

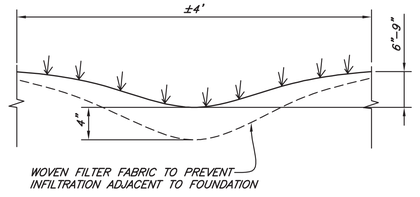
STANDARD SEWER LATERAL 157
NTS



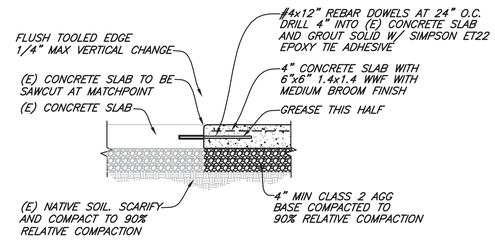
DETAIL 4
NTS -



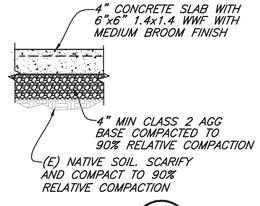
DETAIL 3
NTS C-3, C-7



DETAIL 6
NTS C-4



DETAIL 5
NTS C-3



DETAIL 7
NTS C-3

SHN Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501
707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JSO/CDN
Checked By: GNH

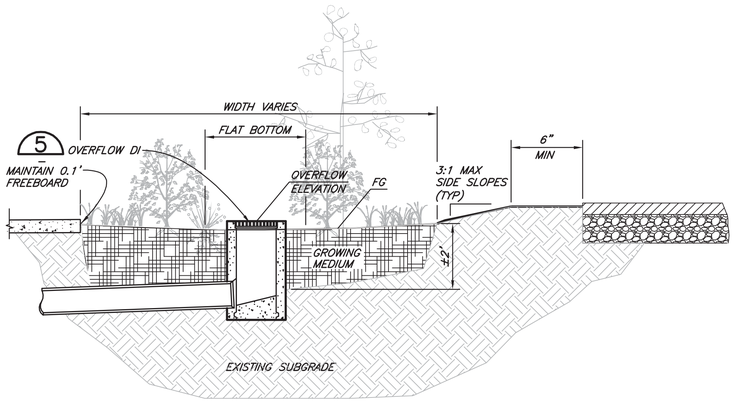
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

NOT FOR CONSTRUCTION
PLAN CHECK SET
June 27, 2014

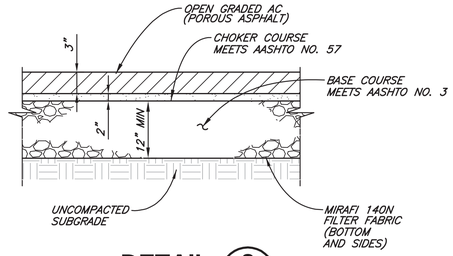
DETAILS

C-7

SAVED: 9/19/2014 11:42 AM JOBARR PLOTTED: 9/19/2014 11:58 AM JARED O'BARR
\ZINO\Projects\2012\012126-McSDTeenCtr\Dwgs\012126-DET1.5.dwg

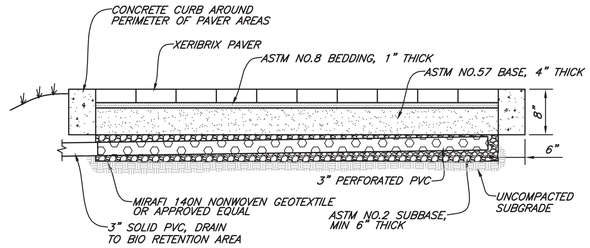


DETAIL 1
NTS C-4

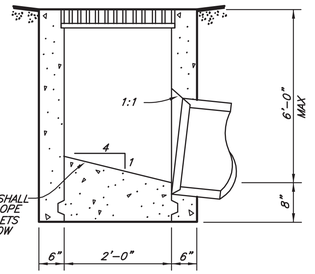


DETAIL 2
NTS C-3

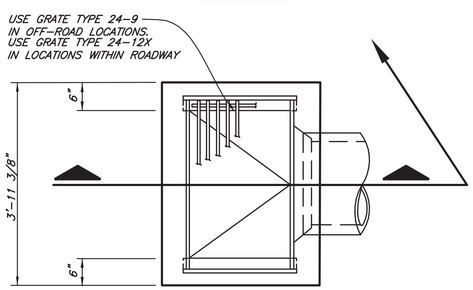
(PERMEABLE PAVEMENT SECTION)



DETAIL 7
NTS C-3



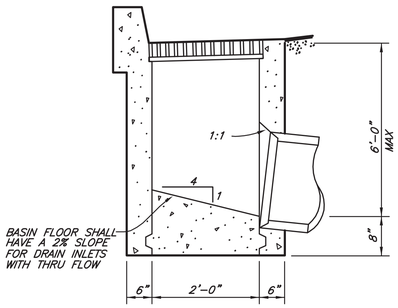
SECTION



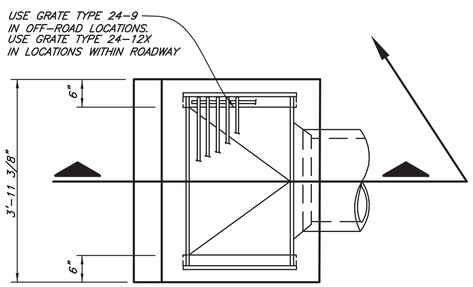
PLAN

(CALTRANS TYPE G1)

DETAIL 3
NTS C-4



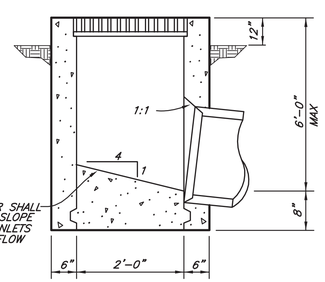
SECTION



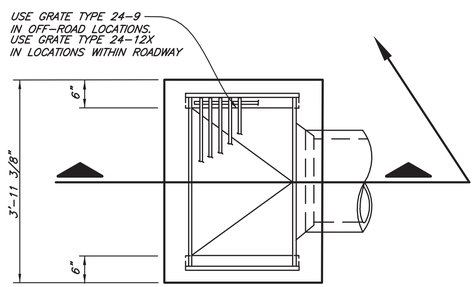
PLAN

(CALTRANS TYPE G3)

DETAIL 4
NTS C-4



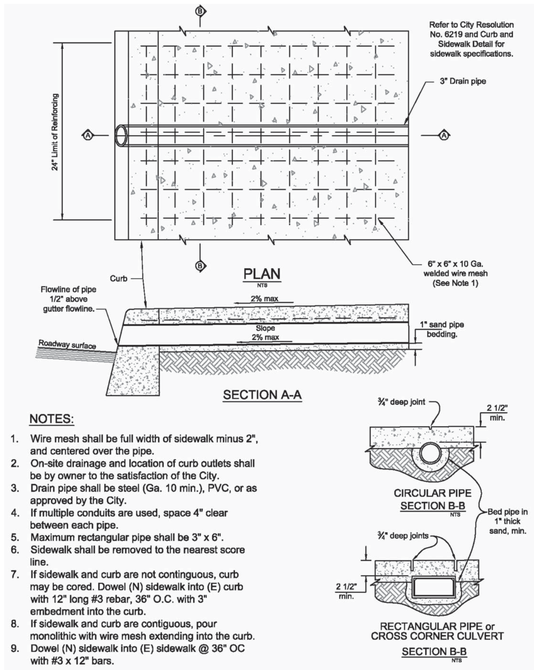
SECTION



PLAN

(CALTRANS TYPE G1)

DETAIL 5
NTS C-4



DETAIL 6
NTS C-4

Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501
707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JSO/CDN
Checked By: GNH

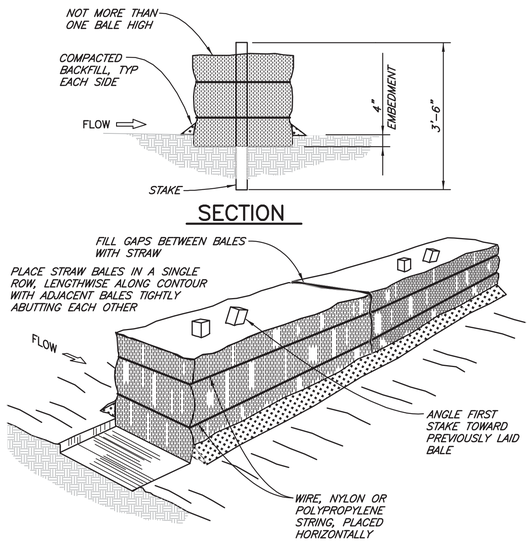
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

NOT FOR CONSTRUCTION
PLAN CHECK SET
June 27, 2014

DETAILS

C-8

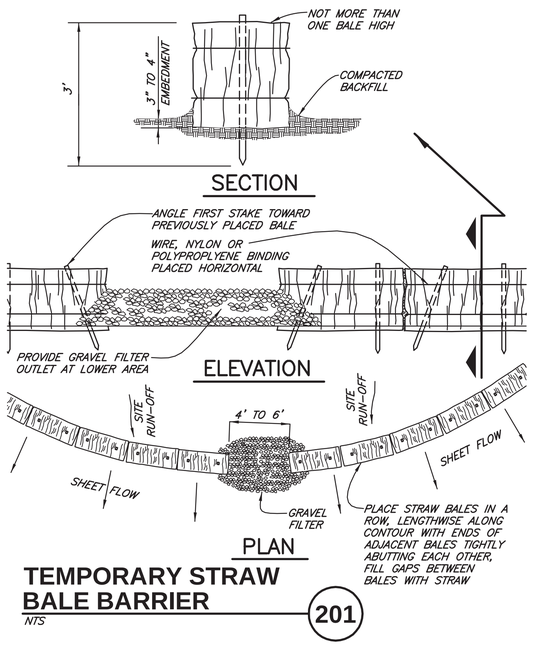
SAVED: 9/19/2014 11:42 AM JOBARR, PLOTTED: 9/19/2014 11:59 AM JARED O'BARR
\ZINC\Projects\2012\012126-MCSDTeenCtr\Dwgs\012126-DETLS.dwg



STRAW BALE BARRIER

NTS

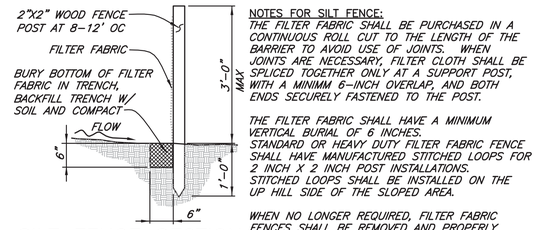
200



TEMPORARY STRAW BALE BARRIER

NTS

201

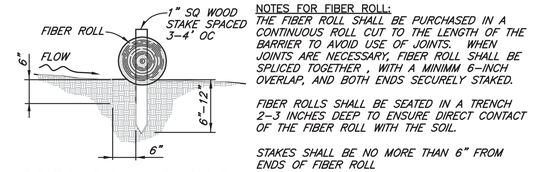


NOTES FOR SILT FENCE:

THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.

THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6 INCHES. STANDARD OR HEAVY DUTY FILTER FABRIC FENCE SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2 INCH X 2 INCH POST INSTALLATIONS. STITCHED LOOPS SHALL BE INSTALLED ON THE UP HILL SIDE OF THE SLOPED AREA.

WHEN NO LONGER REQUIRED, FILTER FABRIC FENCES SHALL BE REMOVED AND PROPERLY DISPOSED OF.



NOTES FOR FIBER ROLL:

THE FIBER ROLL SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FIBER ROLL SHALL BE SPLICED TOGETHER , WITH A MINIMM 6-INCH OVERLAP, AND BOTH ENDS SECURELY STAKED.

FIBER ROLLS SHALL BE SEATED IN A TRENCH 2-3 INCHES DEEP TO ENSURE DIRECT CONTACT OF THE FIBER ROLL WITH THE SOIL.

STAKES SHALL BE NO MORE THAN 6" FROM ENDS OF FIBER ROLL

WHEN NO LONGER REQUIRED, SLIT FIBER ROLLS DOWN THE LENGTH OF THE NETTING, AND BROADCAST THE STRAW. GATHER NETTING AND PROPERLY DISPOSE OF.

GENERAL NOTES:

1. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONOURS WHERE FEASIBLE.
2. ALL EXCAVATED MATERIAL FROM FILTER FABRIC FENCE INSTALLATION SHALL BE BACK FILLED AND COMPACTED, ALONG THE ENTIRE DISTURBED AREA.
3. BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.
4. SEDIMENT SHALL BE REMOVED WHEN IT BUILDS UP TO 1/3 OF THE BARRIER HEIGHT.

SEDIMENT BARRIER

NTS

225

EROSION CONTROL PLAN NOTES:

1. CONSTRUCTION OF ALL EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
2. THE IMPLEMENTATION OF THE EROSION CONTROL PLAN (ECP) AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE BMP'S IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND PERMANENT VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE BMP'S SHOWN ON THESE PLANS MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
4. CONTRACTOR TO SCHEDULE AN IN-FIELD PRE-CONSTRUCTION MEETING WITH THE DESIGN ENGINEER BEFORE COMMENCING WORK TO DISCUSS THE INTENT OF THE EROSION CONTROL PLAN.
5. USE NATIVE GRASS SEED TO RESEED DISTURBED AREAS AND MATCH EXISTING VEGETATION TO THE EXTENT POSSIBLE. SEEDED AREAS SHALL BE COVERED WITH STRAW, RICE, OR COIR MULCH AND KEPT MOIST UNTIL GRASSES ESTABLISH.
6. STREET CLEANING MUST BE DONE BY VACUUM SWEEPER, STREET WASHING IS NOT ALLOWED. CONTRACTOR TO PERFORM STREET CLEANING ON PAVED STREETS AFTER CONSTRUCTION IS COMPLETE AND AS DEEMED NECESSARY DURING CONSTRUCTION.
7. INLET PROTECTION TO BE INSTALLED PRIOR TO DEMOLITION AND TO REMAIN IN PLACE UNTIL SURFACING IS COMPLETED, STOCKPILES ARE REMOVED, AND VEGETATION IS RE-ESTABLISHED.
8. SEDIMENT BARRIER TO BE INSTALLED PRIOR TO DEMOLITION AND TO REMAIN IN PLACE UNTIL SURFACING IS COMPLETED, STOCKPILES ARE REMOVED, AND VEGETATION IS RE-ESTABLISHED.

MAINTENANCE AND INSPECTION:

9. MAINTENANCE AND INSPECTION OF BMP'S, AT A MINIMUM, SHALL BE CONDUCTED ACCORDING TO THE FOLLOWING SCHEDULE:
   - BMP'S SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
   - BMP'S AT INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH, PRIOR TO A FORECAST STORM, AND WITHIN 24 HOURS FOLLOWING A STORM EVENT.

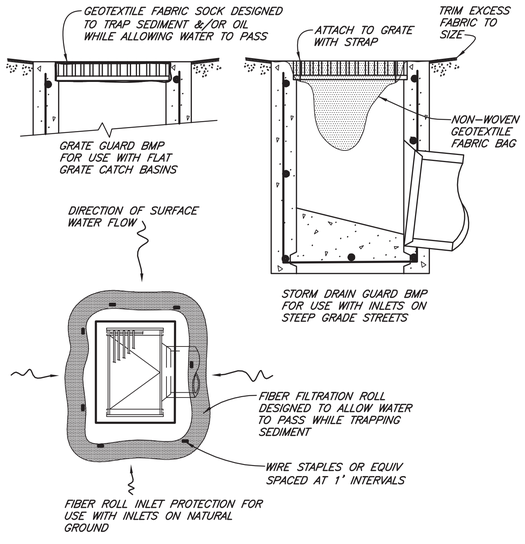
EROSION CONTROL PLAN NOTES (CONTINUED):

STOCKPILES:

10. EXCAVATED SOILS MAY BE PLACED ADJACENT TO THE TOP OF THE TRENCH IF THE STOCKPILED SOIL THICKNESSES ARE 2 FEET OR LESS. IF SOILS ARE PLACED IN MOUNDED STOCKPILES, THEN EXCAVATED SOILS SHOULD BE PLACED NO CLOSER THAN 10 FEET FROM THE TOP OF THE TRENCH EXCAVATION.
11. SOIL STOCKPILES SHALL BE COVERED, STABILIZED, OR PROTECTED WITH SOIL STABILIZATION MEASURES AND A PERIMETER SEDIMENT BARRIER AT ALL TIMES DURING THE RAINY SEASON, AND PRIOR TO THE ONSET OF RAIN DURING THE NON-RAINY SEASON.
12. STOCKPILES OF CONTAMINATED SOIL SHALL BE MANAGED IN ACCORDANCE WITH CALTRANS BMP FOR "CONTAMINATED SOIL MANAGEMENT"

DEWATERING:

13. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROPER DESIGN INSTALLATION, OPERATION, AND DESTRUCTION OF DEWATERING FACILITIES NEEDED DURING CONSTRUCTION.
14. CONTRACTOR SHALL ESTABLISH AND MAINTAIN DEWATERING FACILITIES TO ALLOW FOR THE EXCAVATION, AND SUBSEQUENT PLACEMENT AND RECOMPACTION OF TRENCH MATERIAL WITHIN THE EXCAVATED AREA.
15. HANDLING OF WATER FROM THE EXCAVATION AND DISPOSAL OF SAME FROM THE PROJECT SITE SHALL BE PERFORMED IN ACCORDANCE WITH BMP'S TO AVOID SEDIMENT TRANSPORT AND OTHER IMPACTS TO RECEIVING WATERS AS OUTLINED IN THE APPROVED SWPPP FOR THIS PROJECT.
16. SEDIMENT BASINS SHALL BE LOCATED A MINIMUM OF 100 FEET FROM A WATERCOURSE.
17. WATER FROM THE SEDIMENT BASINS SHOULD NOT BE DISCHARGED AS CONCENTRATED FLOW DIRECTLY INTO SLOUGHS, CUTOFF SLOUGHS, STREAMS, OR ANY DITCH THAT DISCHARGES TO ONE OF THESE FEATURES.



STORM DRAIN INLET PROTECTION

NTS

210

SHN Consulting Engineers & Geologists, Inc.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
SHN Consulting Engineers & Geologists, Inc.
812 W Wabash Ave.
Eureka, CA 95501
707.441.8855
www.shn-engr.com

REGISTERED PROFESSIONAL ENGINEER
JARED S. O'BARR
No. 76125
CIVIL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JSO/CDN
Checked By: GNH

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

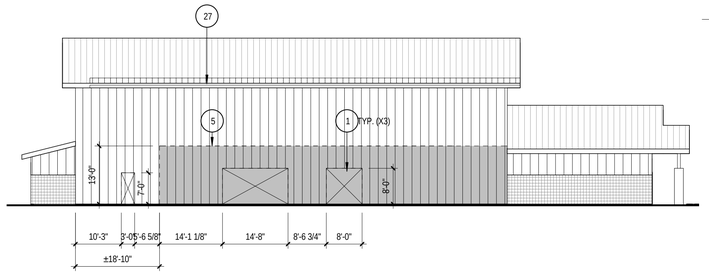
NOT FOR CONSTRUCTION

PLAN CHECK SET
June 27, 2014

DETAILS

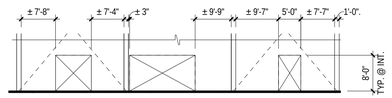
C-9

SAVED: 9/19/2014 11:42 AM JOBARR, PLOTTED: 9/19/2014 12:00 PM JARED O'BARR
\\ZINC\Projects\2012\012126-MCSDTeenCtr\Dwgs\012126-DETLS.dwg



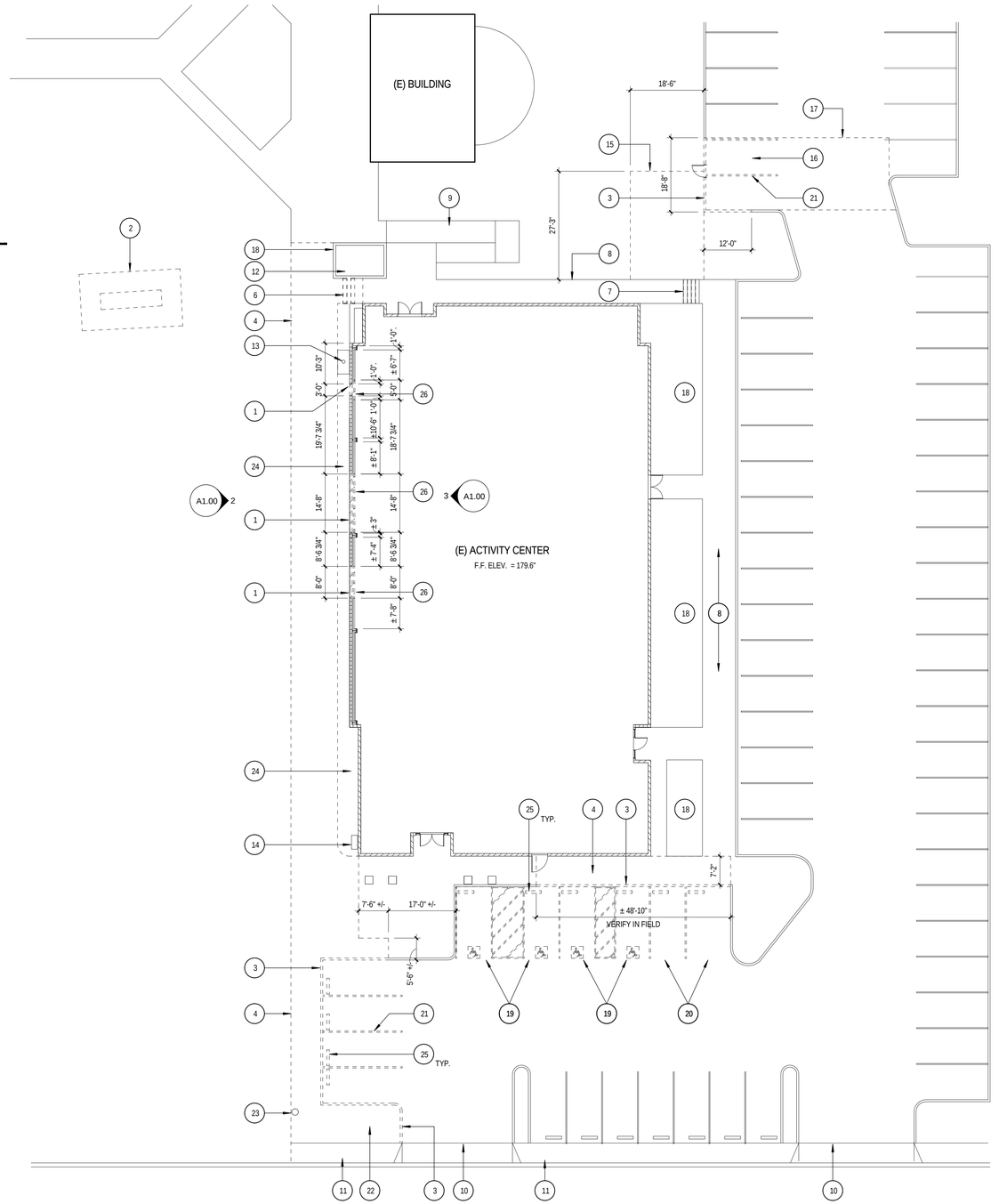
2 DEMOLITION DETAIL @ (E) MTL. BUILDING SHELL

A1.00 1/16" = 1'-0"



3 PARTIAL ELEVATION @ INTERIOR OF DEMOLITION WORK

A1.00 1/16" = 1'-0"



1 DEMOLITION SITE PLAN

A1.00 1/16" = 1'-0"

KEY NOTES

1 (E) METAL BUILDING WALL ASSEMBLY TO BE REMOVED FOR NEW OPENINGS.
2 (E) BBQ AND FENCING TO BE REMOVED
3 (E) CONC CURB TO BE REMOVED
4 (E) CONC WALK TO BE REMOVED
5 (E) METAL SIDING TO BE REMOVED AS REQUIRED FOR ADDITION
6 (E) CONC STEPS AND METAL HANDRAILS TO BE REMOVED
7 (E) CONC STEPS TO REMAIN
8 (E) CONC WALK TO REMAIN
9 (E) CONC ACCESSIBLE RAMP TO REMAIN
10 (E) CONC DRIVE AILSE TO REMAIN
11 (E) SIDEWALK TO REMAIN
12 (E) WATER METER TO REMAIN
13 (E) FIRE RISER TO REMAIN
14 (E) GAS METER TO REMIAN
15 (E) LANDSCAPE TURF TO BE REMOVED AS REQUIRED FOR ACCESSIBLE CONC RAMP AND WALK
16 (E) A.C PAVING TO BE REMOVED AS REQUIRED FOR TRASH ENCLOSURE
17 (E) A.C. PAVING TO BE REMOVED AS REQUIRED FOR CONC. PAVING
18 (E) CMU PLANTER TO REMAIN
19 (E) HANDICAP PARKING STALL TO BE RELOCATED
20 (E) PARKING STALL TO BE RELOCATED
21 (E) PARKING STALLS TO BE REMOVED
22 (E) CONC PAVING TO BE REMOVED
23 (E) WOOD LIGHTPOLE TO REMAIN
24 (E) LANDSCAPE SHRUBS TO BE REMOVED
25 (E) CONC WHEEL STOPS TO BE REMOVED
26 (E) WD FRAMED INTERIOR WALL TO BE REMOVED FOR NEW OPENINGS
27 (E) METAL GUTTER TO BE REMOVED AND REPLACED, MATCH EXISTING

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

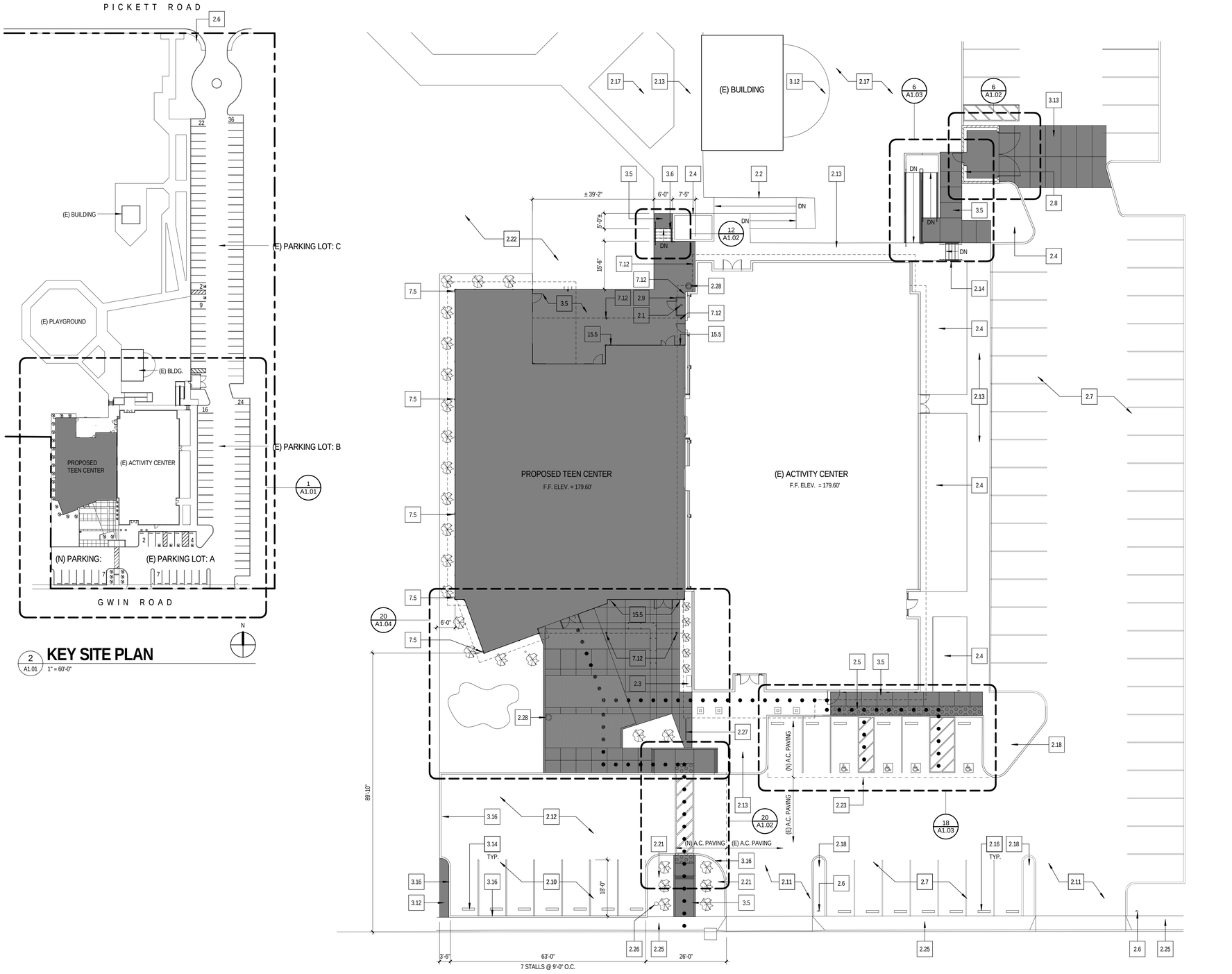
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

DEMOLITION SITE PLAN

A1.00

10/1/2014 4:03:12 PM



2 A1.01 **KEY SITE PLAN**
1" = 60'-0"

1 A1.01 **SITE PLAN**
1/16" = 1'-0"

LEGEND

- PROPERTY LINE
- TRACE OF STL. CANOPY OR ROOF OVERHANG
- PATH OF TRAVEL

GENERAL NOTES

1. VERIFY ALL DIMENSIONS, EXISTING CONDITIONS AND METHODS OF CONSTRUCTION PRIOR TO START OF ANY WORK. NOTIFY ARCHITECT OF ANY DISCREPENCIES.
2. UNLESS OTHERWISE NOTED OR INDICATED, ALL DIMENSIONS SHOWN ARE TO FACE OF FRAMING, CONC. SLAB AND/OR CMU.
3. CONTRACTOR SHALL WORK TOWARD DIMENSIONS WITH TOLERANCES +/- SHOWN.
4. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES AFFECTED BY THE IMPROVEMENTS PROPOSED IN THESE CONTRACT DOCUMENTS. RESTORE FINISHES TO THESE AREAS TO MATCH EXISTING.
5. THE PEDESTRIAN PATH OF TRAVEL (P.O.T.) IS INDICATED AS A BARRIER FREE, COMMON ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. THE PATHS SURFACE IS AT LEAST 48" WIDE, SLIP RESISTANT, STABLE, FIRM AND SMOOTH. PASSING SPACES AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. PART OF P.O.T. W/ CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND THE SLOPES IN THE DIRECTION OF TRAVEL THAT EXCEED 5% ARE CONSTRUCTED AS ACCESSIBLE RAMPS. THE P.O.T. IS FREE OF OVERHEAD OBSTRUCTIONS UP TO 80" MIN. OBJECTS PROJECTING FROM WALLS W/ LEADING EDGES BETWEEN 27" & 80" A.F.F. DO NOT PROTRUDE MORE THAN 4" FROM THE WALL. THE CONTRACTOR SHALL VERIFY THAT ALL BARRIERS IN THE P.O.T. HAVE BEEN OR WILL BE REMOVED UNDER THIS PROJECT AND COMPLIES W/ CBC 1133B.7

PARKING COUNT

EXISTING PARKING	
(E) PARKING LOT A:	
TOTAL H.C. STALLS	4
TOTAL REGULAR STALLS	9
TOTAL REGULAR STALLS REMOVED	4
(E) PARKING LOT B:	
TOTAL REGULAR STALLS	40
(E) PARKING LOT C:	
TOTAL H.C. STALLS	2
TOTAL REGULAR STALLS	67
TOTAL REGULAR STALLS REMOVED	3
TOTAL (E) H.C. STALLS:	6
TOTAL (E) REGULAR STALLS:	117
TOTAL (E) STALLS:	123
TOTAL (E) STALLS REMOVED:	6
NEW PARKING	
NEW PARKING:	
TOTAL REGULAR STALLS	7
TOTAL PARKING	
TOTAL (N) + (E) REGULAR STALLS	123
TOTAL HANDICAP STALLS	6

KEY NOTES

2.1 (E) FIRE RISER
2.2 (E) ACCESSIBLE RAMP
2.3 (E) GAS METER
2.4 (E) PLANTER
2.5 DETECTABLE WARNING TRUNCATED DOMES
2.6 ACCESSIBLE ENTRANCE PARKING SIGNAGE - REFER TO DETAIL 1/A1.02
2.7 (E) PARKING STALLS
2.8 CMU TRASH ENCLOSURE
2.9 FENCE & GATE AT FIRE RISER – REFER TO DETAIL 13 & 17/A1.04
2.10 PARKING STALLS
2.11 (E) DRIVE AISLE
2.12 A.C. PAVING - REFER TO CIVIL DWGS
2.13 (E) CONC WALK
2.14 (E) CONC STEPS
2.16 (E) CONC WHEEL STOPS
2.17 (E) TURF
2.18 (E) CONC PAVING
2.21 PLANTER - PROVIDE SLEEVES FOR FUTURE IRRIGATION AND IRRIGATION CONTROLS
2.22 TURF
2.23 A.C. PAVING, OVERLAY (E) A.C. PAVING - REFER TO CIVIL DWGS
2.25 (E) CONC SIDEWALK
2.26 (E) LIGHT POLE
2.27 STL. U SHAPED BIKE RACK - TIMBERFORM: MODEL # 2170-7-E - COLOR: BLACK
2.28 STL. TRASH RECEPTACLE/RECYCLE BIN - DU MOR: MODEL# 436-S-1 - COLOR: BLACK
3.5 CONC WALK/PAVING - REFER TO DETAIL 3/A1.02
3.6 CONC STAIR
3.12 CONC PAVING
3.13 CONC APRON
3.14 CONC WHEEL STOP - REFER TO CIVIL DWGS
3.16 CONC CURB - REFER TO CIVIL DWGS
7.5 3" DIA GALV DOWNSPOUT, PRIME & PAINT, CONC SPLASH BLOCK AT PLANTERS
7.12 3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
15.5 ROOF DRAIN & OVERFLOW, DAYLIGHT OVERFLOW THRU WALL @ 6" A.F.G., CONNECT ROOF DRAIN TO UNDERGROUND - REFER TO PLUMBING & CIVIL DWGS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohlle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project: McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

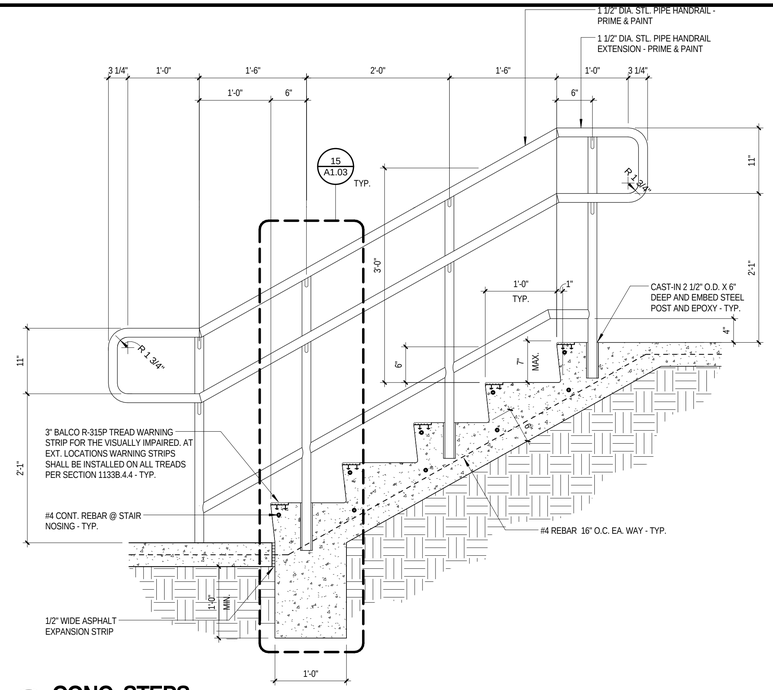
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

SITE PLAN

A1.01

10/3/2014 5:01:37 PM

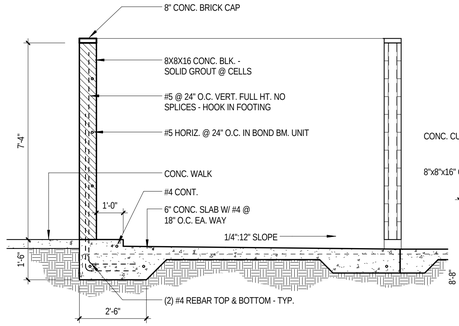


18 A1.02 CONC. STEPS

1" = 1'-0"

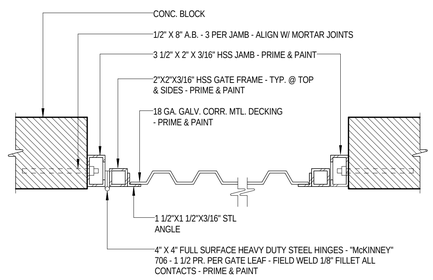
20 A1.02 PEDESTRIAN RAMP

1/4" = 1'-0"



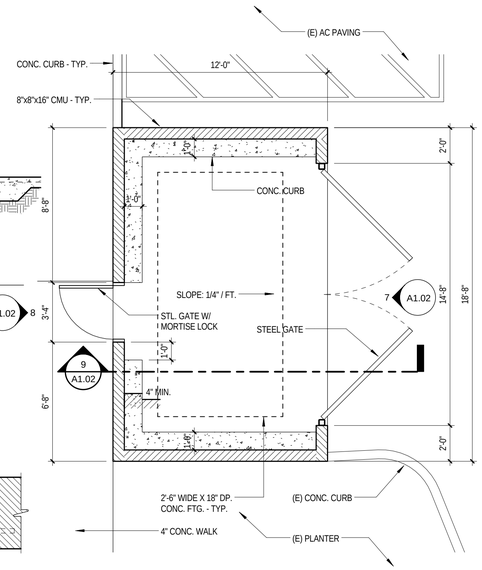
9 A1.02 TRASH ENCLOSURE-SECTION

3/8" = 1'-0"



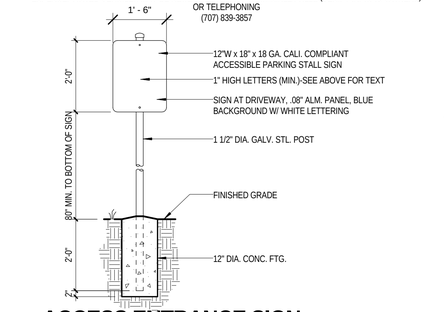
10 A1.02 STL. DOOR JAMB

1 1/2" = 1'-0"



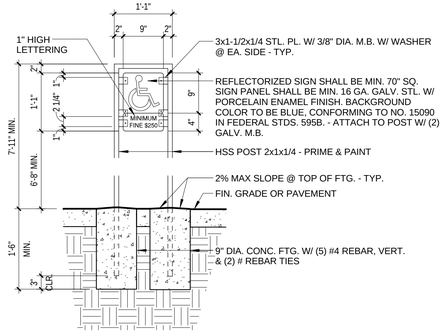
6 A1.02 TRASH ENCLOSURE PLAN

1/4" = 1'-0"



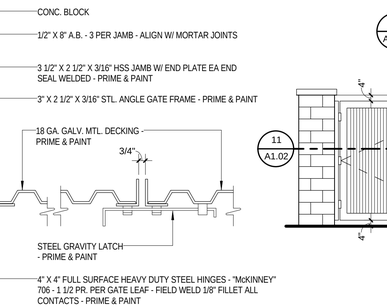
1 A1.02 ACCESS ENTRANCE SIGN

1/2" = 1'-0"



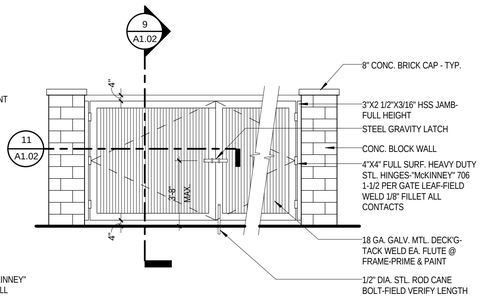
2 A1.02 ACCESSIBLE PARKING SIGN

3/4" = 1'-0"



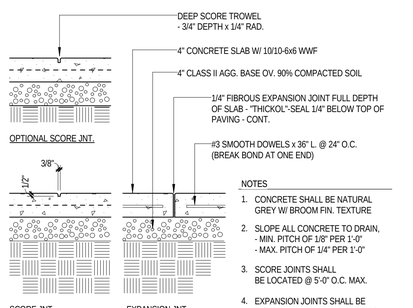
11 A1.02 TRASH ENCLOSURE LATCH

1 1/2" = 1'-0"



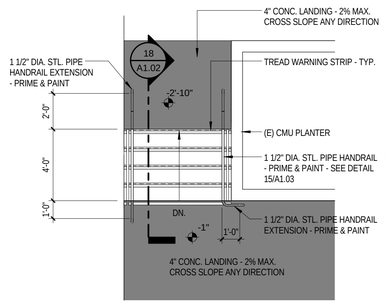
7 A1.02 TRASH ENCLOSURE-ELEVATION-WEST

1/4" = 1'-0"



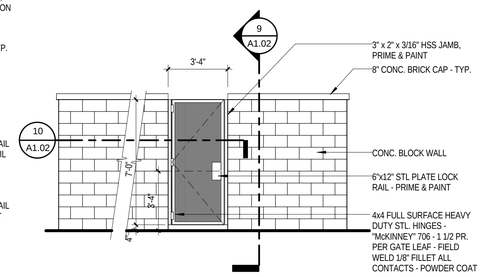
3 A1.02 EXPANSION & SCORE JOINTS

1" = 1'-0"



12 A1.02 CONC. STEPS

1/4" = 1'-0"



8 A1.02 TRASH ENCLOSURE-ELEVATION-EAST

1/4" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA
Teen Center

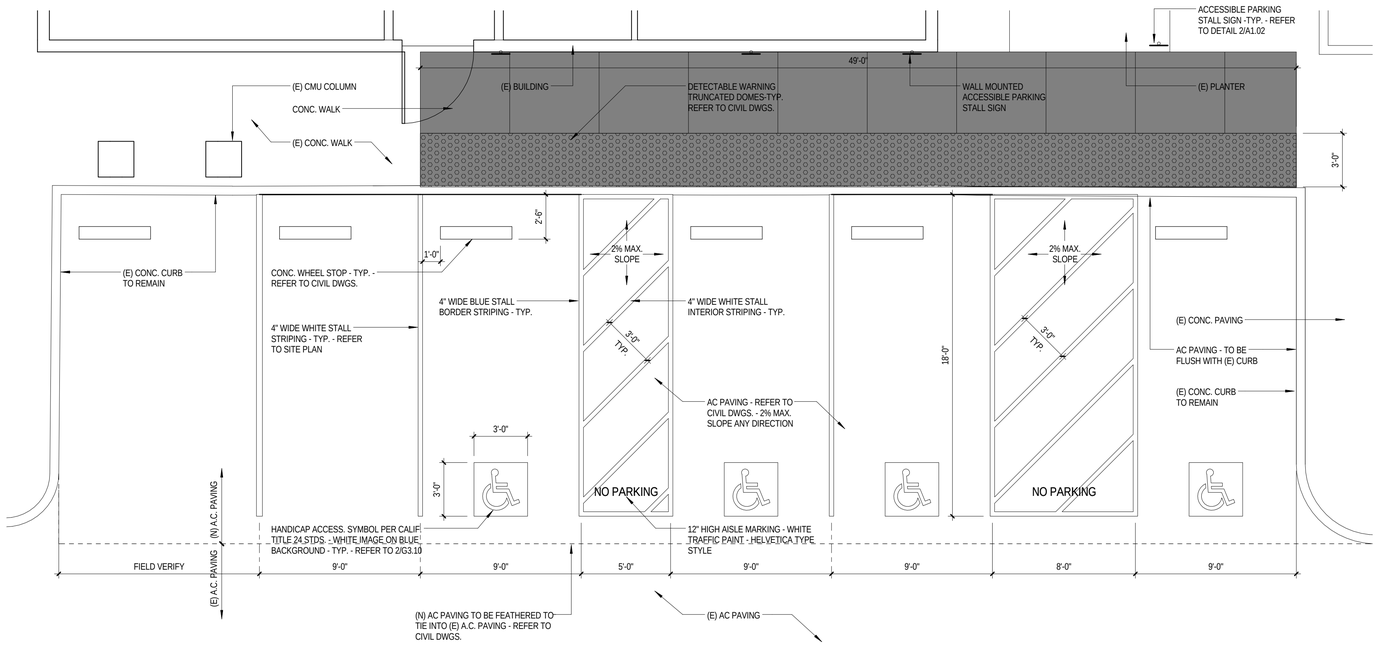
Project No.: 635-1-12
Drawn By: MG
Checked By: EW

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

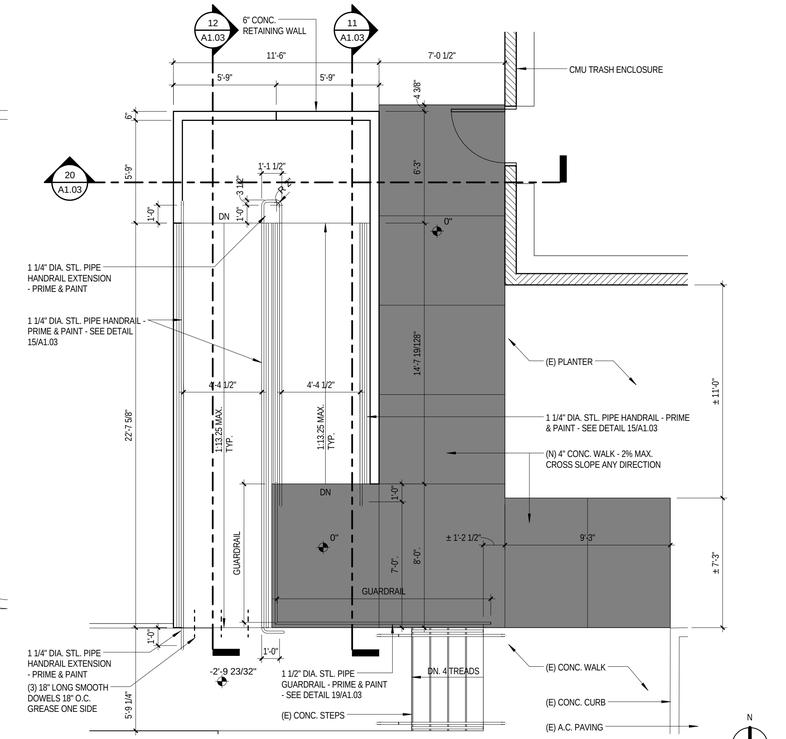
SITE DETAILS

A1.02



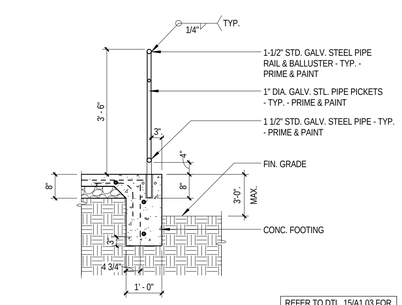
18 A1.03 ENLARGED ACCESSIBLE PARKING PLAN

1/4" = 1'-0"



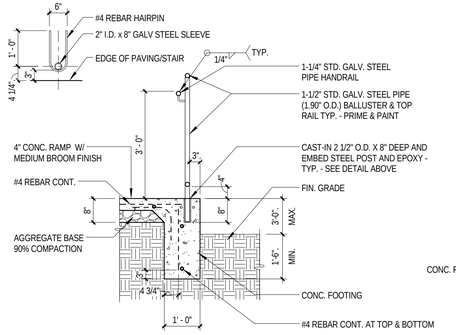
6 A1.03 ENLARGED ACCESSIBLE RAMP PLAN

1/4" = 1'-0"



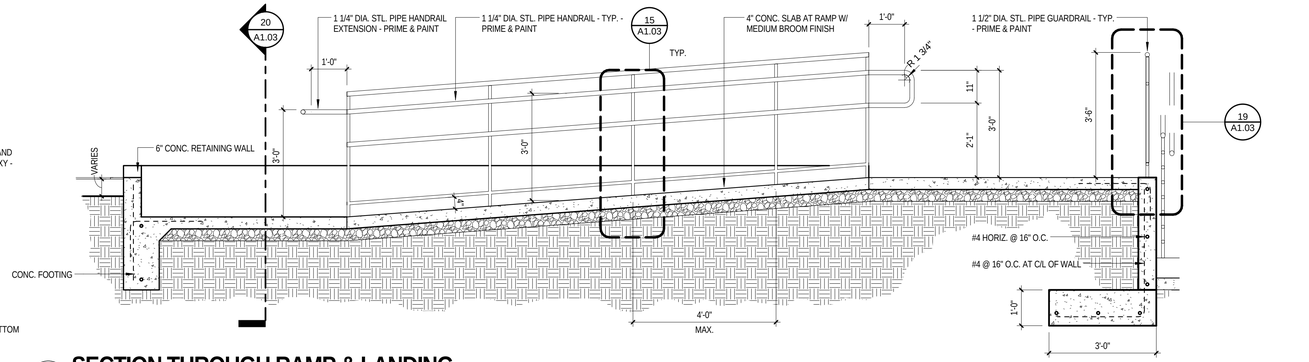
19 A1.03 GUARDRAIL POST

1/2" = 1'-0"



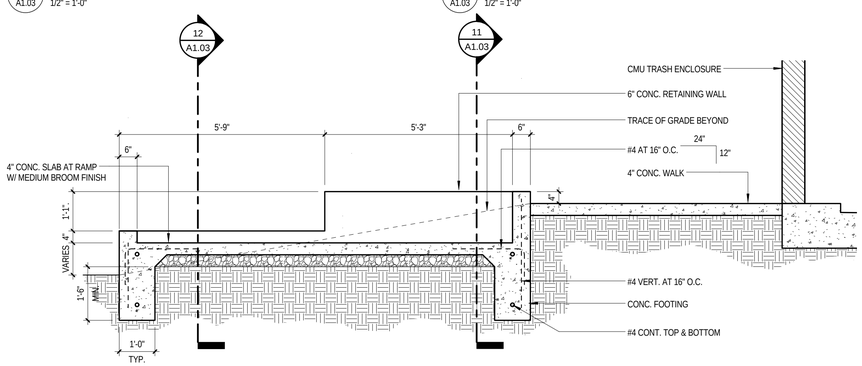
15 A1.03 POST @ CONC. RAMP EDGE - TYP.

1/2" = 1'-0"



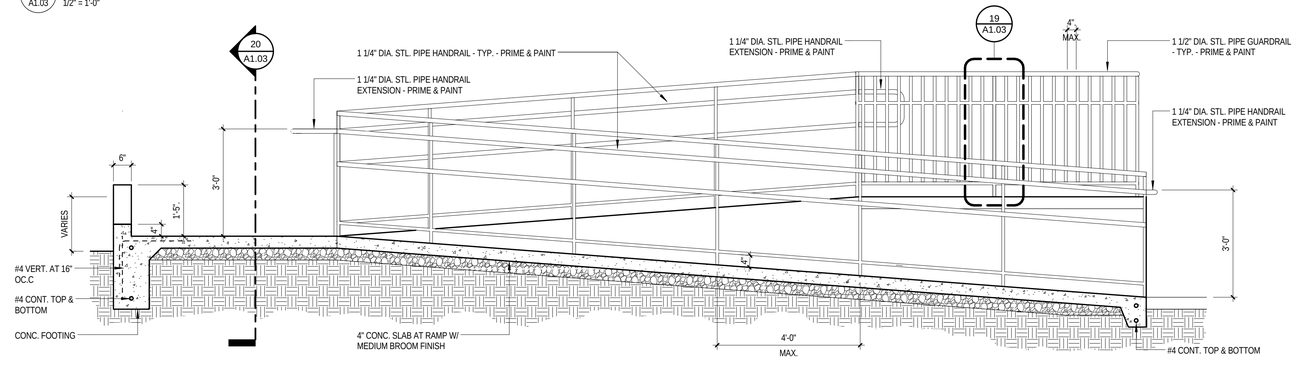
11 A1.03 SECTION THROUGH RAMP & LANDING

1/2" = 1'-0"



20 A1.03 SECTION @ RAMP LANDING

1/2" = 1'-0"



12 A1.03 SECTION THROUGH RAMP

1/2" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
WILLIAM M. WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

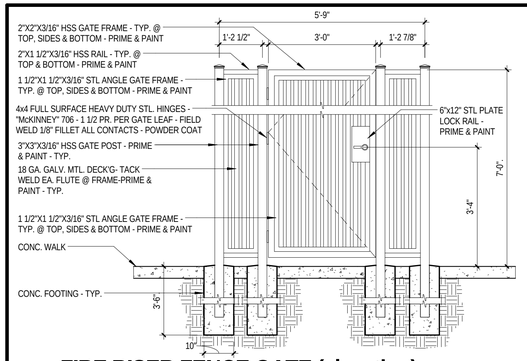
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

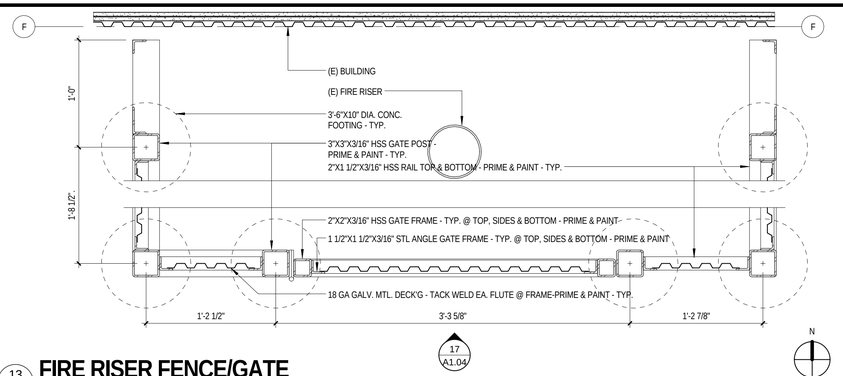
BID SET
1 OCTOBER 2014

SITE DETAILS

A1.03

10/30/2015 8:38:38 PM



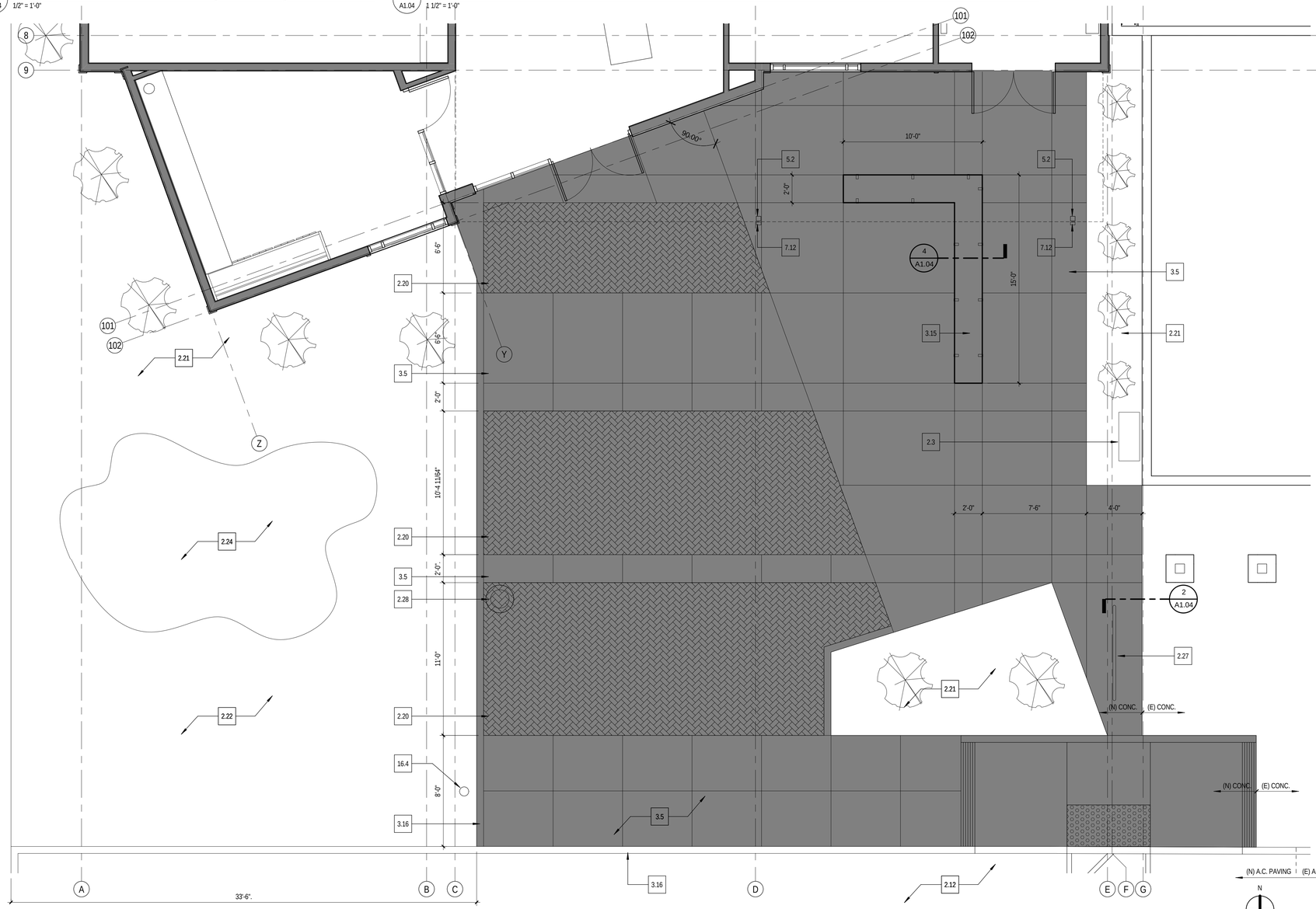


17 A1.04 FIRE RISER FENCE GATE (elevation)

1/2" = 1'-0"

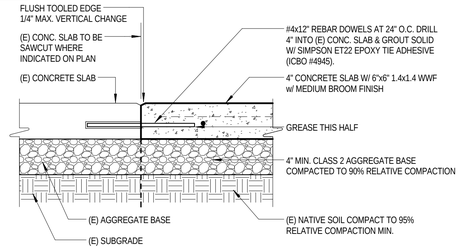
13 A1.04 FIRE RISER FENCE/GATE

1 1/2" = 1'-0"



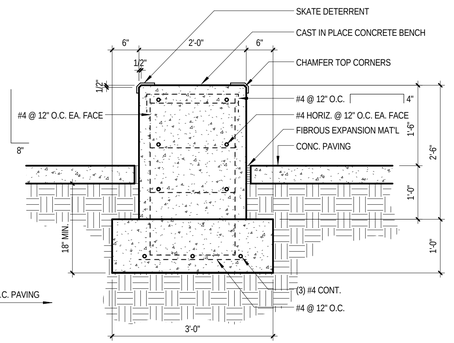
20 A1.04 ENLARGED BUILDING ENTRY PLAN

1/4" = 1'-0"



2 A1.04 CONC. TO (E) CONC.

1 1/2" = 1'-0"



4 A1.04 POURED IN PLACE CONC. SEAT

3/4" = 1'-0"

KEY NOTES

2.3	(E) GAS METER
2.12	A.C. PAVING - REFER TO CIVIL DWGS
2.20	4-1/2" x 9" PERVIOUS PAVERS, HERRINGBONE PATTERN - REFER TO CIVIL DRAWINGS FOR DETAIL
2.21	PLANTER - PROVIDE SLEEVES FOR FUTURE IRRIGATION AND IRRIGATION CONTROLS
2.22	TURF
2.24	WATER DETENTION BASIN - REFER TO CIVIL DWGS
2.27	STL. U SHAPED BIKE RACK - TIMBERFORM: MODEL # 2170-7-E - COLOR: BLACK
2.28	STL. TRASH RECEPTACLE/RECYCLE BIN - DU MOR: MODEL# 436-S-1 - COLOR: BLACK
3.5	CONC WALK/PAVING - REFER TO DETAIL 3/A1.02
3.15	CAST-IN-PLACE CONC BENCH
3.16	CONC CURB - REFER TO CIVIL DWGS
5.2	HSS COL, PRIME & PAINT - REFER TO STRUCTURAL DWGS
7.12	3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
16.4	SITE LIGHT POLE - REFER TO ELECTRICAL DWGS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

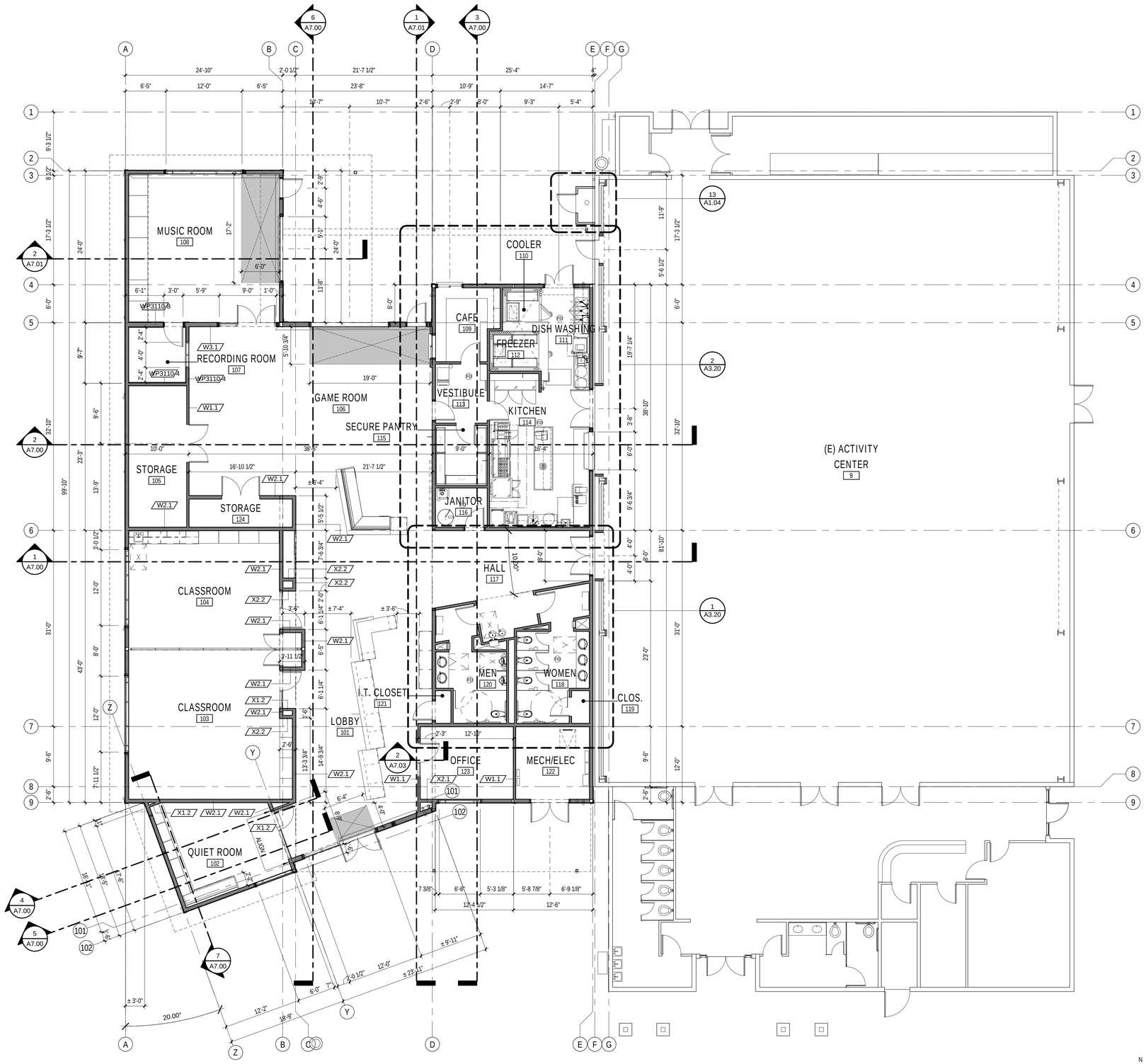
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

SITE DETAILS

A1.04

©2014 LDA partners



1 A3.00 **DIMENSION FLOOR PLAN**

1/8" = 1'-0"

WALL LEGEND

EXISTING CMU WALL

EXISTING WALL

WOOD FRAMED WALL

NO.	DESCRIPTION	F.R.	DTL. REF.
W1.1	2x4 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE TO DECK	-	1/AD.01
W1.2	2x4 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE TO CEILING	-	8/AD.01
W2.1	2x6 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE TO DECK	-	1/AD.01
W3.1	2x8 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE TO DECK	-	1/AD.01
WP31 10-4	2x4 WOOD STUDS @ 16" O.C. W/ GYP. BD. EA. SIDE & RESILIENT CHANNELS ONE SIDE TO DECK	-	1/AD.01 & 2/AD.01
WP31 10-8	2x8 WOOD STUDS @ 16" O.C. W/ GYP. BD. EA. SIDE & RESILIENT CHANNELS ONE SIDE TO DECK	-	1/AD.01 & 2/AD.01
X1.1		-	
X1.2	2x4 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. ONE SIDE TO CEILING	-	8/AD.01
X2.1	2x6 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. ONE SIDE TO DECK	-	1/AD.01
X2.2	2x6 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. ONE SIDE TO CEILING	-	8/AD.01

LDA partners LLP
lesovsky-donaldson-zagaroli-wohlie
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLIE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

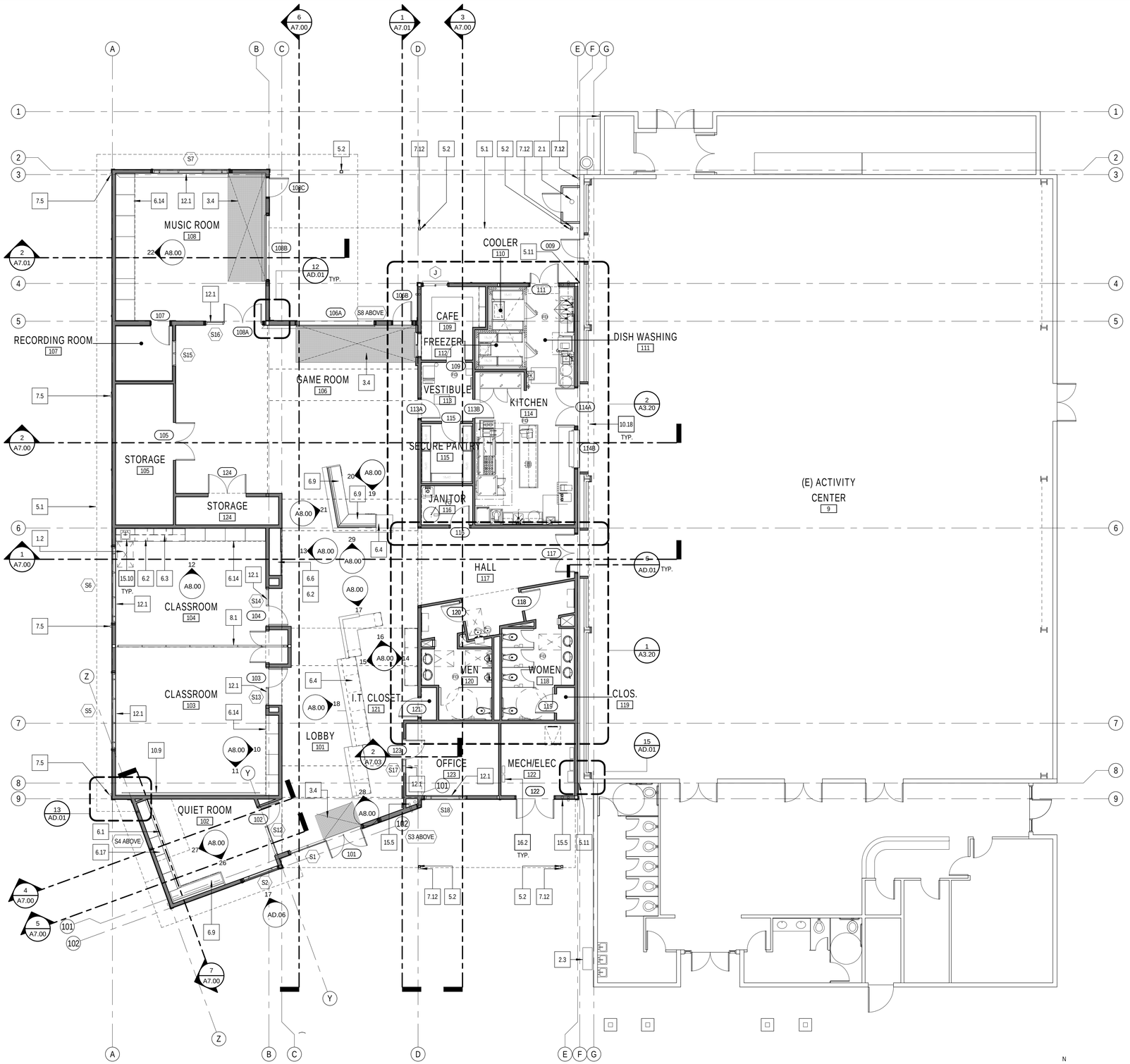
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

DIMENSION FLOOR PLAN

A3.00

10/7/2014 8:01:48 PM



1 A3.10 **ANNOTATION FLOOR PLAN**
1/8" = 1'-0"

LEGEND

- W1.1 — WALL TYPE REFERENCE NUMBER
- 101 — DOOR REFERENCE NUMBER
- 1i — WINDOW/STOREFRONT REFERENCE NUMBER
- TRACE OF BLDG. ELEMENT ABOVE (ROOF, CANOPY, SOFFIT, TRUSS OR BEAM)

KEY NOTES

1.2 MIN 30"x48" CLR FLOOR SPACE
2.1 (E) FIRE RISER
2.3 (E) GAS METER
3.4 DEPRESSED CONC SLAB – REFER TO STRUCTURAL DWGS
5.1 TRACE OF STL CANOPY OR ROOF ABOVE
5.2 HSS COL. PRIME & PAINT - REFER TO STRUCTURAL DWGS
5.11 EXTERIOR SIESMIC JOINT COVER
6.1 PLAM COUNTERTOP W/ 4" BACKSPLASH & APRON, CONSEALED BRACKET
6.2 PLAM BASE CABINETS W/ ADJ MELAMINE SHELVES & SOLID SURFACE COUNTERTOP W/4" BACKSPLASH
6.3 PLAM WALL CABINETS W/ ADJ MELAMINE SHELVES
6.4 PLAM BASE CABINETS W/ ADJ MELAMINE SHELVES & SOLID SURFACE COUNTERTOP
6.6 TEMPERED GLASS SHELVES, SHELF STANDARDS & BRACKETS
6.9 UPHOLSTERED BOOTH SEATING
6.14 PLAM FULL HT CABINETS W/ ADJ MELAMINE SHELVES
6.17 PLAM WALL CABINETS W/ ADJ PLAM SHELVES
7.5 3" DIA GALV DOWNSPOUT, PRIME & PAINT, CONC SPLASH BLOCK AT PLANTERS
7.12 3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
8.1 OPERABLE PARTITION
10.9 8'-0" TALL MIRRORS & WOOD BALLET BAR
10.18 REMOVE AND REPLACE WALL PADS AS REQUIRED FOR NEW OPENINGS. MATCH EXISTING
12.1 WINDOW COVERINGS
15.5 ROOF DRAIN & OVERFLOW, DAYLIGHT OVERFLOW THRU WALL @ 6" A.F.G., CONNECT ROOF DRAIN TO UNDERGROUND - REFER TO PLUMBING & CIVIL DWGS
15.10 SINK - REFER TO PLUMBING DWGS
16.2 ELECTRICAL PANELS - REFER TO ELECTRICAL DWGS

GENERAL NOTES

1. PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVING, TV SUPPORT BRACKETS, BULLETIN BOARDS, MARKER BOARDS AND BATHROOM FIXTURES.
2. PROVIDE FIRE BLOCKING EVERY 10'-0" VERTICALLY & HORIZONTALLY AT CONCEALED SPACES, WALLS, PARTITIONS, CEILINGS AND INTERSECTIONS - TYP.
7. ALL INTERIOR DOORS SHALL HAVE MIN. 18" WIDTH CLEARANCE ON THE SIDE TO WHICH THE DOOR SWINGS FROM THE STRIKE EDGE OF THE DOOR.
8. ALL EXTERIOR DOORS SHALL HAVE MIN. 24" WIDTH LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS FROM THE STRIKE EDGE OF THE DOOR.
9. PROVIDE KNOX BOX PER LOCAL FIRE DEPARTMENT REQUIREMENTS.
11. REFER TO SHEET G3.00 ACCESSIBILITY NOTES AND G3.10 ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION AND TYPICAL ACCESSIBLE DETAILS.
12. ALL CASEWORK TO HAVE RB-2 FOR BASE
13. REFER TO ROOM FINISHES PLAN FOR ALL FINISH DESIGNATIONS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

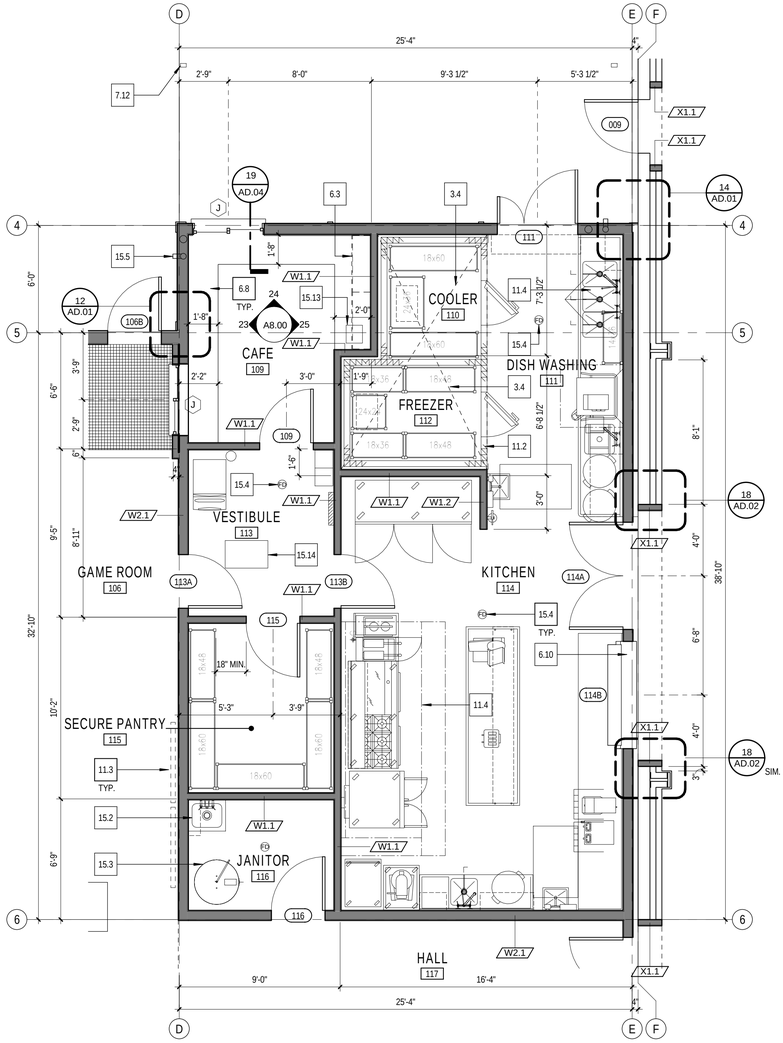
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

ANNOTATION FLOOR PLAN

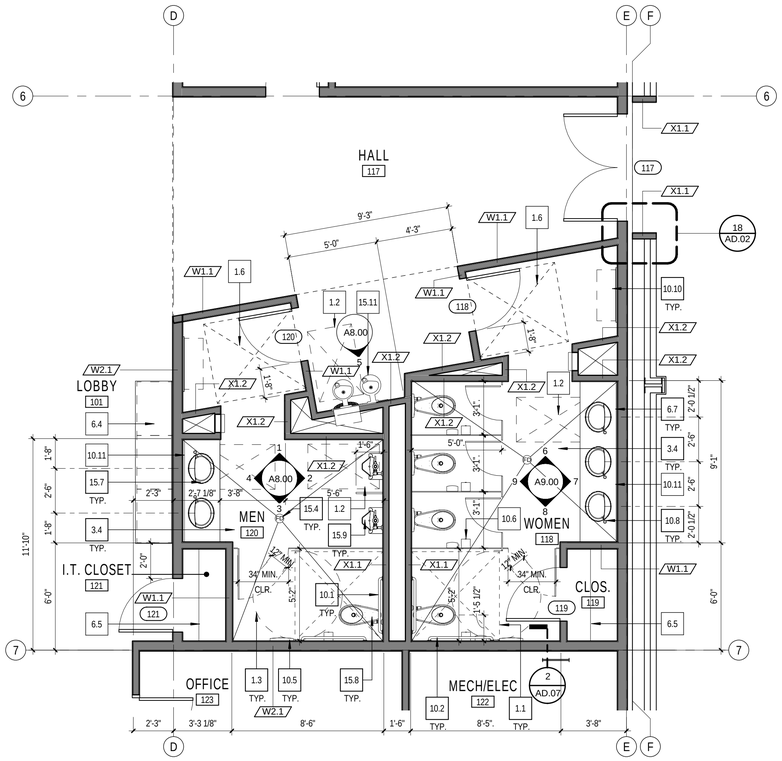
A3.10

© 2014 LDA partners LLP



2 A3.20 **ENLARGED KITCHEN PLAN**

1/4" = 1'-0"



1 A3.20 **ENLARGED RESTROOM**

1/4" = 1'-0"

LEGEND

- EXISTING CMU WALL
- EXISTING WALL
- WOOD FRAMED WALL

NO.	DESCRIPTION	F.R.	DTL. REF.
W1.1	2x4 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE TO DECK	-	1/AD.01
W1.2	2x4 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE TO CEILING	-	8/AD.01
W2.1	2x6 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE TO DECK	-	1/AD.01
W3.1	2x8 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE TO DECK	-	1/AD.01
WP31 10-4	2x4 WOOD STUDS @ 16" O.C. W/ GYP. BD. EA. SIDE & RESILIENT CHANNELS ONE SIDE TO DECK	-	1/AD.01 & 2/AD.01
WP31 10-8	2x8 WOOD STUDS @ 16" O.C. W/ GYP. BD. EA. SIDE & RESILIENT CHANNELS ONE SIDE TO DECK	-	1/AD.01 & 2/AD.01
X1.1		-	
X1.2	2x4 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. ONE SIDE TO CEILING	-	8/AD.01
X2.1	2x6 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. ONE SIDE TO DECK	-	1/AD.01
X2.2	2x6 WOOD STUDS @ 16" O.C. W/ 5/8" GYP. BD. ONE SIDE TO CEILING	-	8/AD.01

KEYNOTES

1.1	MIN 60"x59" CLR FLOOR SPACE AT ACCESSIBLE TOILET COMPARTMENT
1.2	MIN 30"x48" CLR FLOOR SPACE
1.3	MIN 60" DIA ACCESSIBLE TURNING SPACE
1.6	MIN 60"x54" CLR FLOOR SPACE
3.4	DEPRESSED CONC SLAB – REFER TO STRUCTURAL DWGS
6.3	PLAM WALL CABINETS W/ ADJ MELAMINE SHELVES
6.4	PLAM BASE CABINETS W/ ADJ MELAMINE SHELVES & SOLID SURFACE COUNTERTOP
6.5	ADJ MELIMINE SHELVES
6.7	SOLID SURFACE COUNTERTOP W/4" BACKSPLASH & APRON, MTL PIPE GUARD
6.8	PLAM OPEN BASE CABINETS W/ADJ PLAM SHELVES, STAINLESS STEEL COUNTERTOP W/4" BACKSPLASH & MARINE EDGE
6.10	STAINLESS STEEL PASS-THROUGH COUNTERTOP W/MARINE EDGE
7.12	3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
10.1	1-1/2" DIA. x 36" LONG STAINLESS STEEL GRAB BAR, TYP AT ALL ACCESSIBLE STALLS
10.2	1-1/2" DIA. x 42" LONG STAINLESS STEEL GRAB BAR, TYP AT ALL ACCESSIBLE STALLS
10.5	SURFACE-MOUNTED SEAT COVER DISPENSER, TYP AT ALL STALLS
10.6	SURFACE-MOUNTED SANITARY NAPKIN RECEPTACLE, TYP AT ALL WOMEN'S STALLS
10.8	SOAP DISPENSER, TYP AT ALL LAVS
10.10	BABY CHANGING STATION, TYP AT ALL RESTROOMS
10.11	FULL WIDTH SURFACE MOUNTED MIRROR, TYP AT ALL RESTROOMS
11.2	WALK-IN/COOLER FREEZER, CONTRACTOR FURNISHED CONTRACTOR INSTALLED
11.3	2x FLAT BLOCKING FOR FLAT-SCREEN T.V. & WALL MOUNT, AS SELECTED BY OWNER
11.4	RANGE AND DISHWASHING HOODS, CONTRACTOR FURNISHED CONTRACTOR INSTALLED
15.2	MOP SINK - REFER TO PLUMBING DWGS
15.3	WATER HEATER - REFER TO PLUMBING DWGS
15.4	FLOOR DRAIN - REFER TO PLUMBING DWGS
15.5	ROOF DRAIN & OVERFLOW, DAYLIGHT OVERFLOW THRU WALL @ 6" A.F.G., CONNECT ROOF DRAIN TO UNDERGROUND - REFER TO PLUMBING & CIVIL DWGS
15.7	UNDERMOUNT LAVATORY - REFER TO PLUMBING DWGS
15.8	WATER CLOSET - REFER TO PLUMBING DWGS
15.9	URINAL - REFER TO PLUMBING DWGS
15.11	HI-LOW ELECTRIC WATER COOLER W/ HYDRATION STATION - REFER TO PLUMBING DWGS
15.13	FLOOR SINK - REFER TO FOOD SERVICE & PLUMBING DWGS
15.14	GREASE TRAP - REFER TO FOOD SERVICE & PLUMBING DWGS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

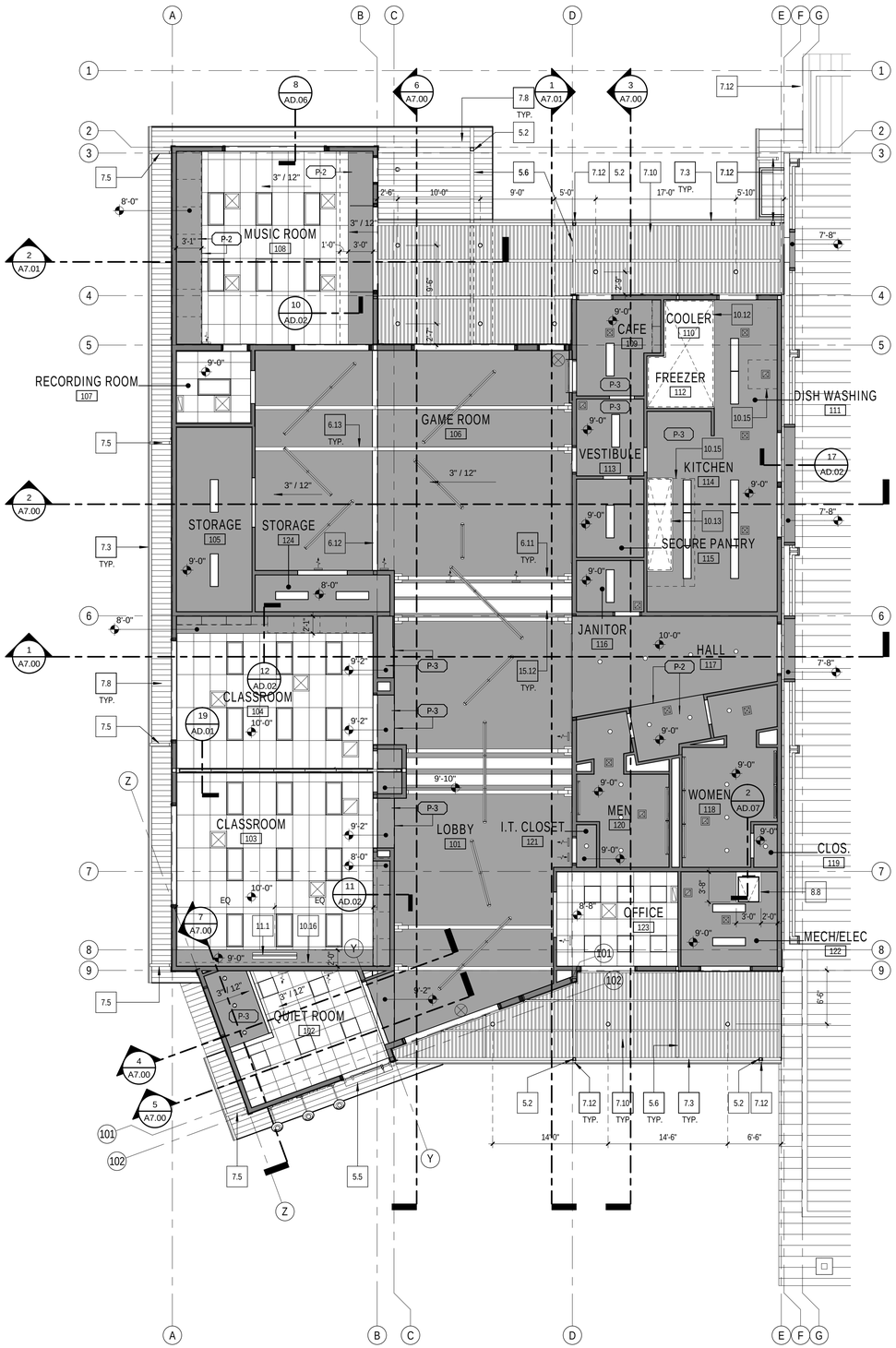
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

ENLARGED FLOOR PLANS

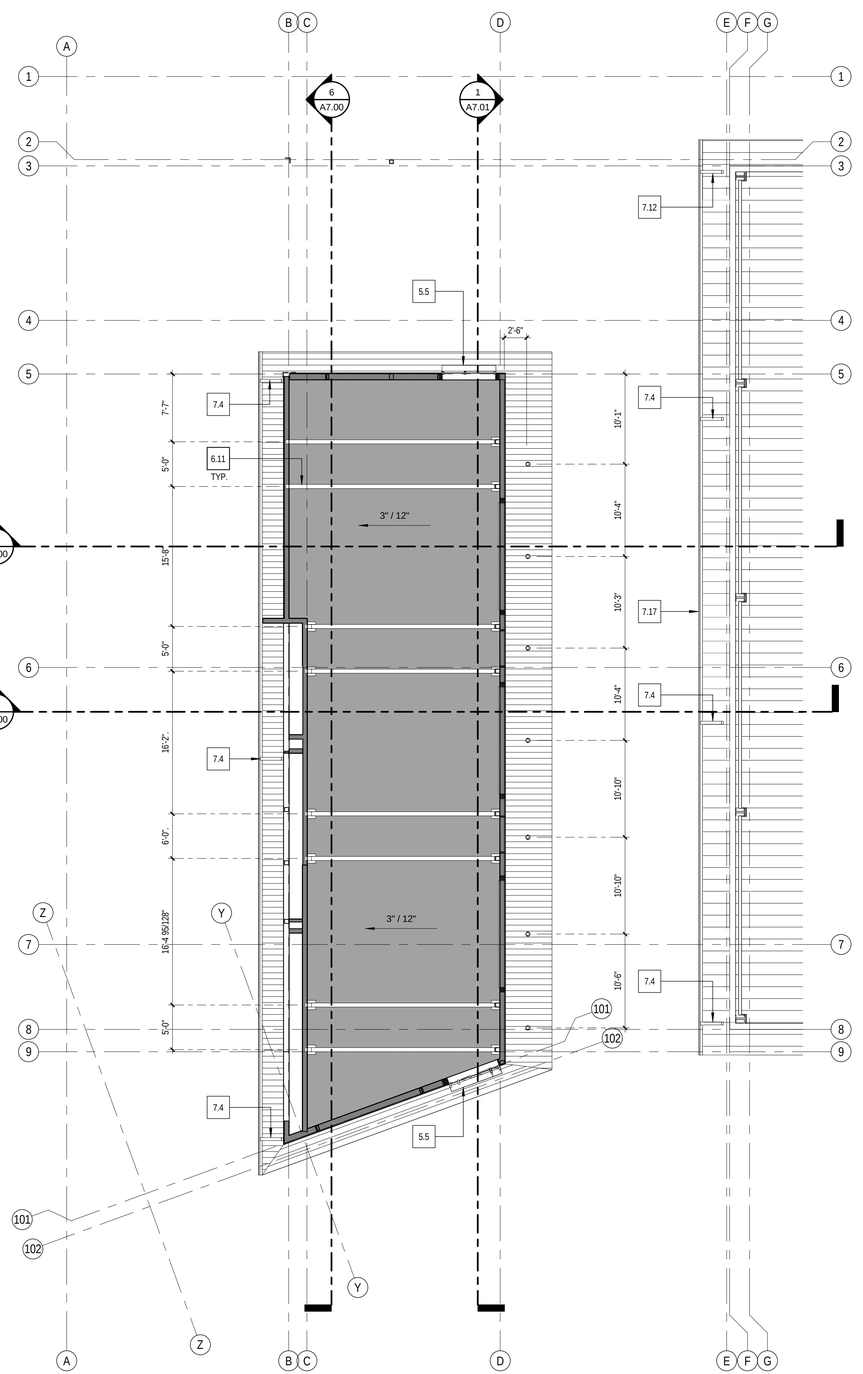
A3.20

2015\1512\15121.rvt



1 LOWER REFLECTED CEILING PLAN

A4.00 1/8" = 1'-0"



2 UPPER REFLECTED CEILING PLAN

A4.00 1/8" = 1'-0"

LEGEND

- NO CLG. - UNDERSIDE OF ROOF STRUCTURE EXPOSED
- 24" x 48" SUSPENDED ACOUSTICAL CEILING TILE - SEE DETAIL 1/AD.02
- 24" x 24" SUSPENDED ACOUSTICAL CEILING TILE - SEE DETAIL 1/AD.02
- 5/8" GYPSUM BOARD
- 24 GA GALV. SHT. MTL. SOFFIT PANEL - COLOR AS SELECTED BY ARCHITECT
- LIGHT FIXTURE - REFER TO ELECTRICAL DWGS.
- BATTERY BACK-UP ILLUMINATED EXIT SIGN @ 9'-6" TO TOP A.F.F. CENTER OVER DOOR - REFER TO ELECTRICAL DWGS.
- MECHANICAL EQUIPMENT - REFER TO MECHANICAL DWGS.
- P-1 GYPSUM PAINT COLOR DESIGNATION TAG- REFER TO FINISH SCHEDULE - P-1 UNLESS OTHERWISE NOTED

KEY NOTES

5.2	HSS COL, PRIME & PAINT - REFER TO STRUCTURAL DWGS
5.5	ALUM SHADE DEVICE
5.6	HSS BEAM, REFER TO STRUCTURAL DWGS
6.11	ARCHITECTURAL GLULAM TRUSS
6.12	GLULAM BEAM, STAIN & SEAL - REFER TO STRUCTURAL DWGS
6.13	ARCHITCTURAL GLULAM: 6x6 RAFTER, STAIN & SEAL
7.3	24 GA GALV SHEET METAL GUTTER, MATCH COLOR OF STANDING SEAM MTL ROOFING
7.4	3" DIA GALV DOWNSPOUT, PRIME & PAINT, SPILL TO ROOF BELOW
7.5	3" DIA GALV DOWNSPOUT, PRIME & PAINT, CONC SPLASH BLOCK AT PLANTERS
7.8	24 GA SHEET METAL SOFFIT PANEL, COLOR AS SELECTED BY ARCHITECT
7.9	24 GA GALV SHT MTL FASCIA, COLOR TO MATCH STANDING SEAM MTL ROOF PANELS
7.10	22 GA REVERSED HR-36 ROOFING PANEL, AEP SPAN, PAINTED BOTH SIDES COLOR AS SELECTED BY ARCHITECT
7.12	3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
7.17	REMOVE & RELPACE (E) ROOF GUTTER, MATCH (E), PRIME AND PAINT
8.8	ROOF ACCESS HATCH - BILCO TYPE 'S' 36"x30"
9.10	1" x 10" MDF CHAIR RAIL, PRIME AND PAINT - REFER TO ROOM FINISHES SHEET
10.12	TRACE OF WALK-IN COOLER & FREEZER - REFER TO FOOD SERVICE DWGS
10.13	OPENING AT KITCHEN EXHAUST HOOD - REFER TO FOOD SERVICE DWGS
10.15	TRACE OF EXHAUST HOOD - REFER TO FOOD SERVICE DWGS
10.16	COUNTINUOUS CEILING MOUNTED CURTAIN TRACK & CURTAIN - OWNER FURNISH/CONTRACTOR INSTALL
11.1	RECESSED, CEILING MOUNTED PROJECTOR SCREEN, MATT WHITE, 69"X120", MFR BY DRAPER, ACCESS E, MODEL #104022
15.12	GALV SPIRAL DUCTWORK - REFER TO MECHANICAL DWGS

GENERAL NOTES

1. CENTER CEILING FIXTURES & MECHANICAL GRILLS WITHIN THE CEILING TILE PATTERN - TYP.
2. FOR LIGHT FIXTURES AND MECHANICAL EQUIPMENT NOT REFERENCED REFER TO ELECTRICAL & MECHANICAL DRAWINGS.
3. FIRE BLOCK EVERY 10'-0" VERICALLY/HORIZONTALLY AT ALL CONCEALED SPACES, WALLS, PARTITIONS, CEILINGS & INTERCONNECTIONS - TYP.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

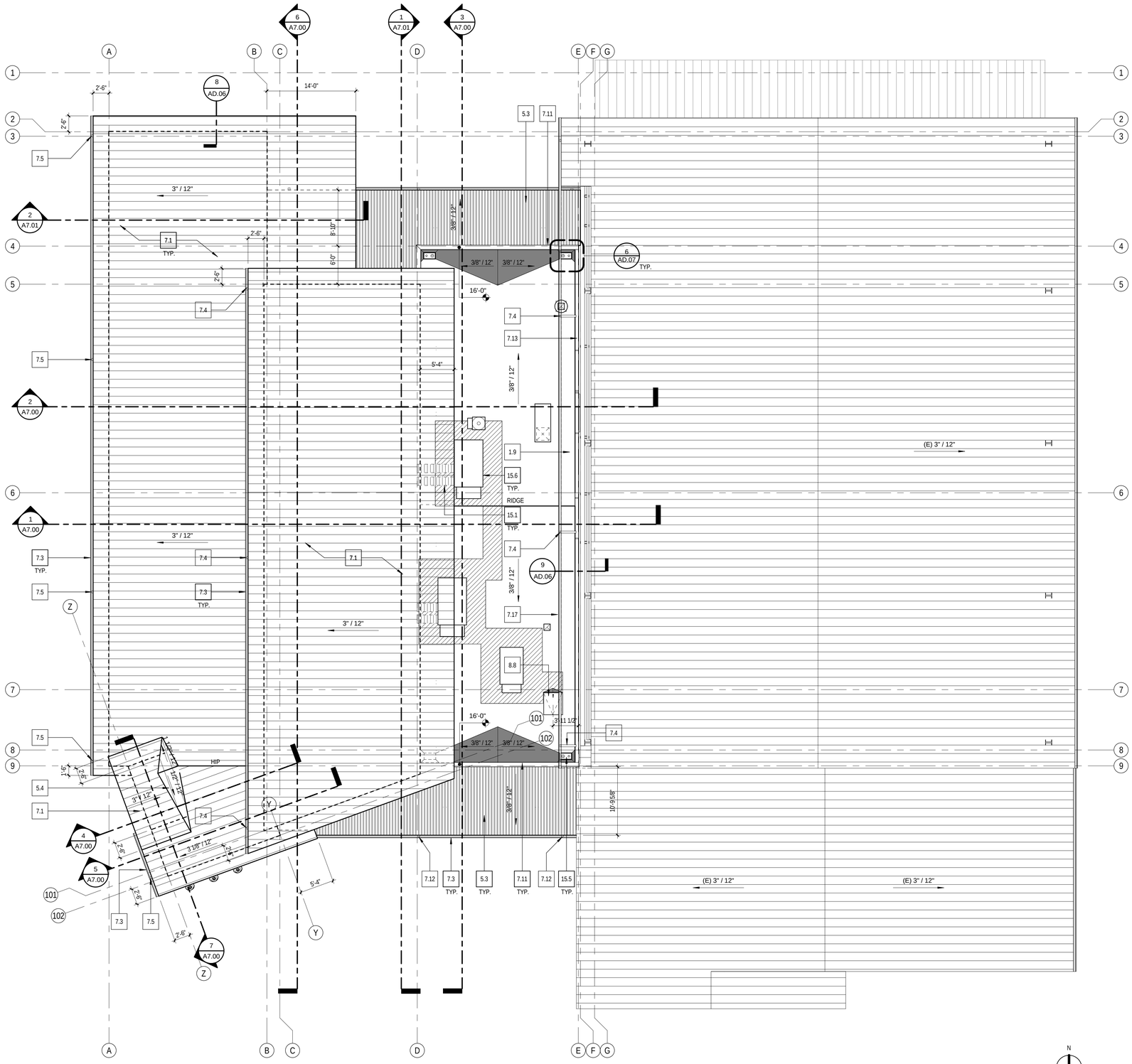
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

LOWER & UPPER REFLECTED CEILING PLAN

A4.00

10/1/2014 5:31:5 PM



1 A5.00 **ROOF PLAN**
1/8" = 1'-0"

LEGEND

- STANDING SEAM MTL. ROOF
- SINGLE PLY ROOFING MEMBRANE
- TAPERED RIGID INSUL. BD. CRICKET
- 36" WIDE (MIN.) SINGLE-PLY ROOFING MEMBRANE WALK-WAY PAD

KEY NOTES

1.9	INDICATES PORTION OF (E) METAL BLDG ROOF DRAWING REMOVED FOR CLARITY
5.3	STL CANOPY, PRIME & PAINT - REFER TO STRUCTURAL DWGS
5.4	26 GA GALV SHT MTL CRICKET, MATCH COLOR OF STANDING SEAM MTL ROOFING
7.1	24 GA STANDING SEAM METAL ROOFING, EQUAL RIBS AT 16" O.C., PAINT COLORS & STAIN COLORS AS SELECTED BY ARCHITECT, USE STAIN COLORS U.O.N.
7.3	24 GA GALV SHEET METAL GUTTER, MATCH COLOR OF STANDING SEAM MTL ROOFING
7.4	3" DIA GALV DOWNSPOUT, PRIME & PAINT, SPILL TO ROOF BELOW
7.5	3" DIA GALV DOWNSPOUT, PRIME & PAINT, CONC SPLASH BLOCK AT PLANTERS
7.11	24 GA PARAPET CAP, PRIME & PAINT
7.12	3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
7.13	SEISMIC JOINT COVER
7.17	REMOVE & RELPACE (E) ROOF GUTTER, MATCH (E), PRIME AND PAINT
8.8	ROOF ACCESS HATCH - BILCO TYPE 'S' 36"x30"
15.1	GALV SHT MTL DUCTS THRU WALL - REFER TO MECHANICAL DWGS
15.5	ROOF DRAIN & OVERFLOW, DAYLIGHT OVERFLOW THRU WALL @ 6" A.F.G., CONNECT ROOF DRAIN TO UNDERGROUND - REFER TO PLUMBING & CIVIL DWGS
15.6	MECHANICAL HVAC UNIT - REFER TO MECHANICAL DWGS

GENERAL NOTES

1. PROVIDE 26 GA. G.I. FLASHING AT ALL VALLEY, ROOF TO WALL AND HIP CONDITIONS. ALL ROOF PENETRATIONS SHALL RECEIVE A 26 GA. ROOF SAFE SET IN MASTIC.
2. CONTRACTOR TO PROVIDE ALL ROOF PENETRATIONS, CURBS AND FLASHING FOR MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS AS REQUIRED.
3. DEFERRED SUBMITTAL: CONTRACTOR TO PROVIDE MANUFACTURER'S TECHNICAL DATA FOR ALL VENT DEVICES (ATTIC/SOFFIT) TO ARCHITECT FOR APPROVAL BEFORE INSTALLATION.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
WILLIAM M. WOHLE
C28388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

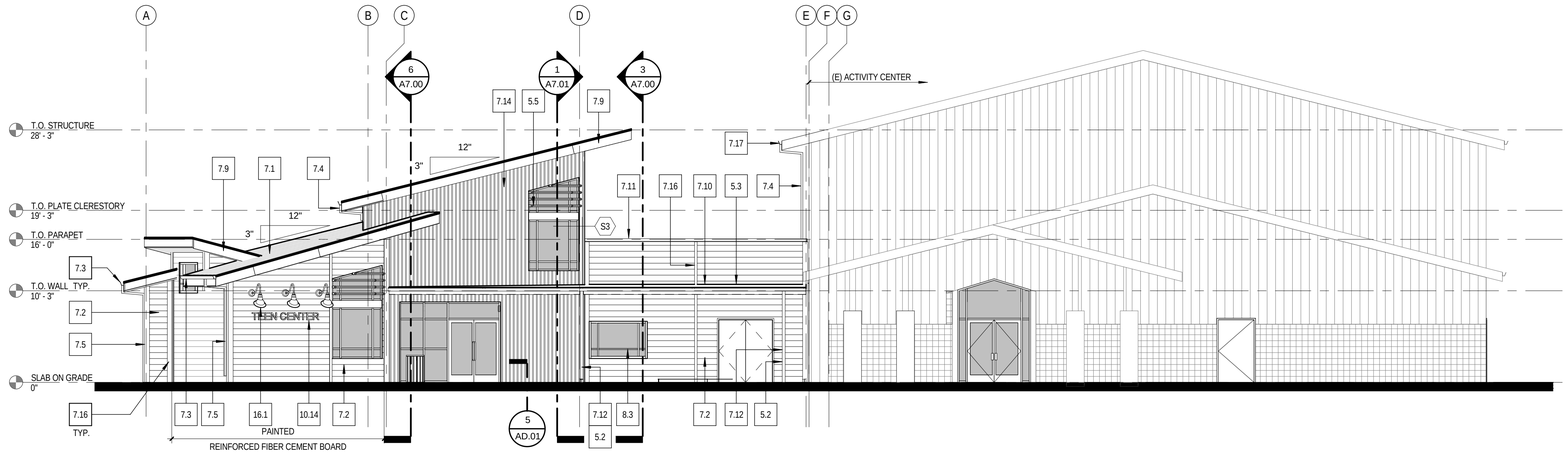
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

ROOF PLAN

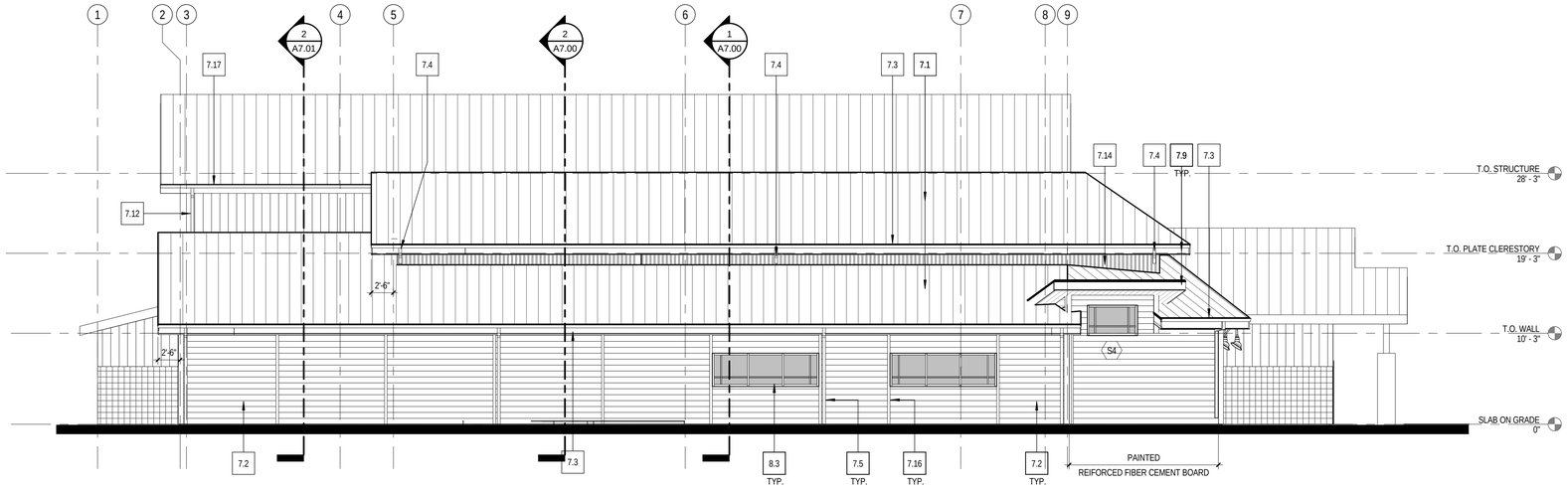
A5.00

2015-01-15 8:10:16 PM



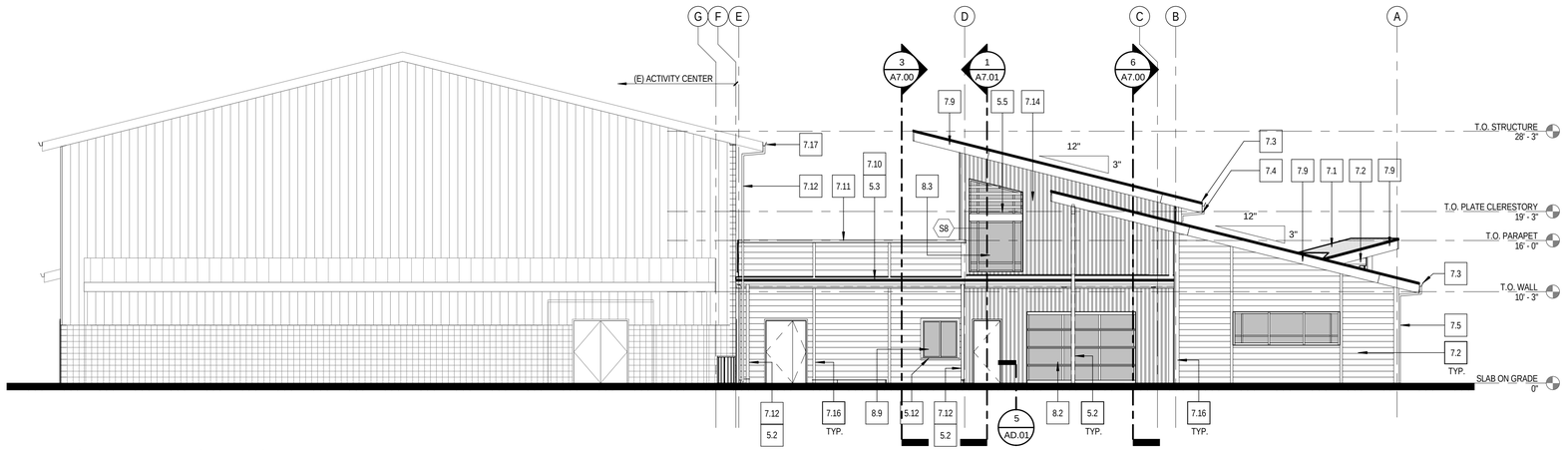
1 A6.00 **EXTERIOR ELEVATION - SOUTH**

1/8" = 1'-0"



2 A6.00 **EXTERIOR ELEVATION - WEST**

1/8" = 1'-0"



3 A6.00 **EXTERIOR ELEVATION - NORTH**

1/8" = 1'-0"

KEYNOTES

2.8	CMU TRASH ENCLOSURE
5.2	HSS COL, PRIME & PAINT - REFER TO STRUCTURAL DWGS
5.3	STL CANOPY, PRIME & PAINT - REFER TO STRUCTURAL DWGS
5.5	ALUM SHADE DEVICE
5.12	STAINLESS STEEL COUNTER
7.1	24 GA STANDING SEAM METAL ROOFING, EQUAL RIBS AT 16" O.C., PAINT COLORS & STAIN COLORS AS SELECTED BY ARCHITECT, USE STAIN COLORS U.O.N.
7.2	5/16" REINFORCED CEMENT FIBERBOARD LAP-SIDING, COLOR AS SELECTED BY ARCHITECT
7.3	24 GA GALV SHEET METAL GUTTER, MATCH COLOR OF STANDING SEAM MTL ROOFING
7.4	3" DIA GALV DOWNSPOUT, PRIME & PAINT, SPILL TO ROOF BELOW
7.5	3" DIA GALV DOWNSPOUT, PRIME & PAINT, CONC SPLASH BLOCK AT PLANTERS
7.9	24 GA GALV SHT MTL FASCIA, COLOR TO MATCH STANDING SEAM MTL ROOF PANELS
7.10	22 GA REVERSED HR-36 ROOFING PANEL, AEP SPAN, PAINTED BOTH SIDES COLOR AS SELECTED BY ARCHITECT
7.11	24 GA PARAPET CAP, PRIME & PAINT
7.12	3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
7.14	24 GA GALV SHEET METAL WALL PANELS, COLOR AS SELECTED BY ARCHITECT
7.16	2x4 REINFORCED CEMENT FIBERBOARD BATTEN/TRIM, MAX SPACING 12'-0"
7.17	REMOVE & RELPACE (E) ROOF GUTTER, MATCH (E), PRIME AND PAINT
8.2	OVERHEAD STEEL SECTIONAL DOOR - REFER TO DOOR SCHEDULE
8.3	ALUM STOREFRONT WINDOW - REFER TO STOREFRONT SCHEDULE
8.9	OPERABLE PASS-THRU WINDOW - REFER TO WINDOW SCHEDULE
10.14	BUILDING SIGNAGE, 10" TALL ALUMINUM LETTERS
16.1	WALL MOUNTED LIGHT FIXTURE - REFER TO ELECTRICAL DWGS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
GREG WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

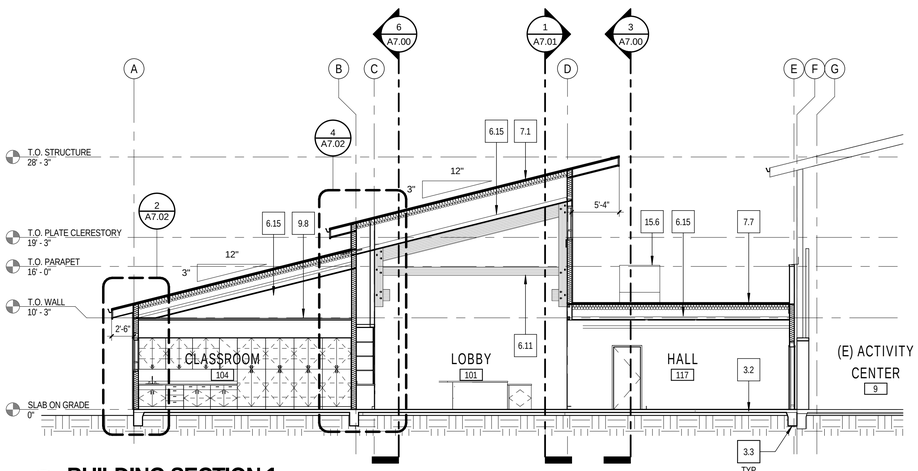
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

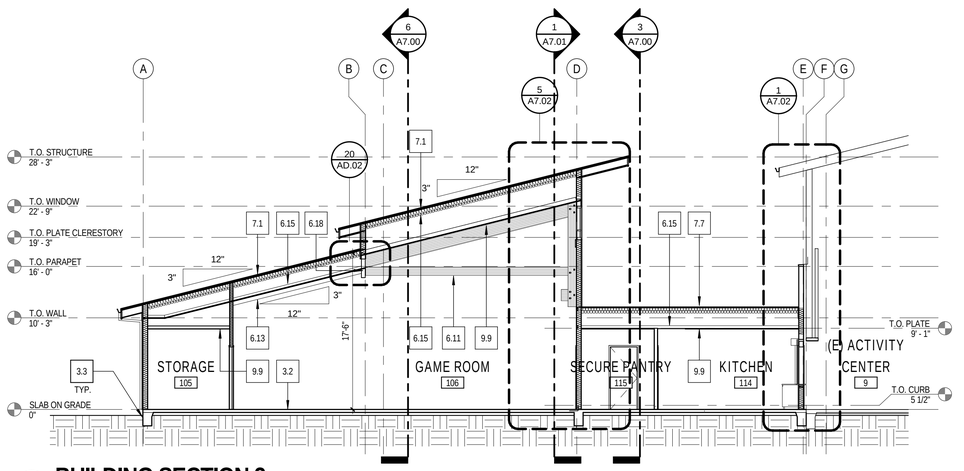
EXTERIOR ELEVATIONS

A6.00

Plot:8/20/2015 10:20:39 AM



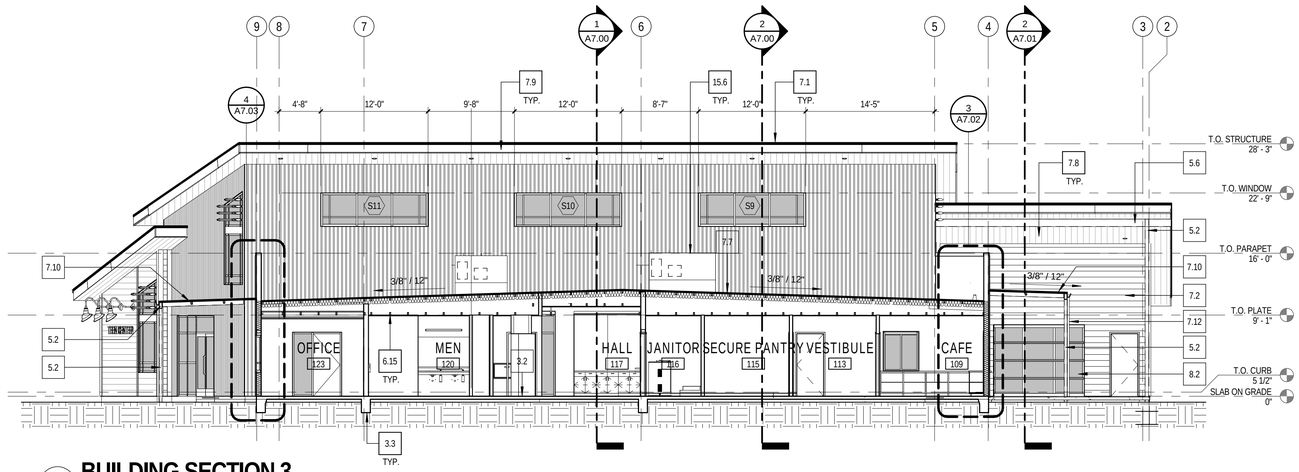
1 A7.00 **BUILDING SECTION 1**
1/8" = 1'-0"



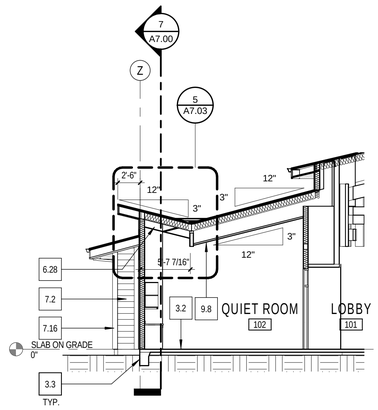
2 A7.00 **BUILDING SECTION 2**
1/8" = 1'-0"

KEYNOTES

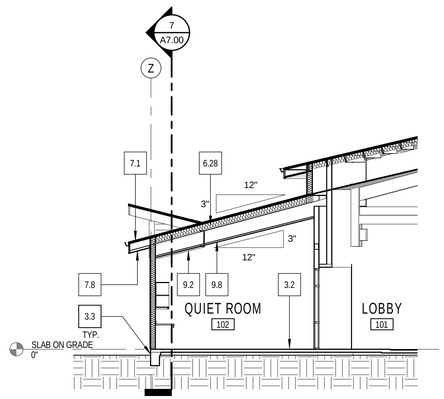
3.2	CONC SLAB ON GRADE - REFER TO STRUCTURAL DWGS
3.3	CONC FOOTING - REFER TO STRUCTURAL DWGS
5.2	HSS COL, PRIME & PAINT - REFER TO STRUCTURAL DWGS
5.5	ALUM SHADE DEVICE
5.6	HSS BEAM, REFER TO STRUCTURAL DWGS
6.11	ARCHITECTURAL GLULAM TRUSS
6.13	ARCHITCTURAL GLULAM: 6x6 RAFTER, STAIN & SEAL
6.15	WOOD ROOF TRUSSES - REFER TO STRUCTURAL DWGS
6.18	GLULAM BEAM - REFER TO STRUCT DWGS
6.28	2X ROOF FRAMING - REFER TO STRUCTURAL DWGS.
7.1	24 GA STANDING SEAM METAL ROOFING, EQUAL RIBS AT 16" O.C., PAINT COLORS & STAIN COLORS AS SELECTED BY ARCHITECT, USE STAIN COLORS U.O.N.
7.2	5/16" REINFORCED CEMENT FIBERBOARD LAP-SIDING, COLOR AS SELECTED BY ARCHITECT
7.7	SINGLE-PLY ROOFING MEMBRANE
7.8	24 GA SHEET METAL SOFFIT PANEL, COLOR AS SELECTED BY ARCHITECT
7.9	24 GA GALV SHT MTL FASCIA, COLOR TO MATCH STANDING SEAM MTL ROOF PANELS
7.10	22 GA REVERSED HR-36 ROOFING PANEL, AEP SPAN, PAINTED BOTH SIDES COLOR AS SELECTED BY ARCHITECT
7.12	3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
7.16	2x4 REINFORCED CEMENT FIBERBOARD BATTEN/TRIM, MAX SPACING 12'-0"
8.2	OVERHEAD STEEL SECTIONAL DOOR - REFER TO DOOR SCHEDULE
9.1	5/8" GYP BD, TYP
9.2	PARTIAL GYP BD WALL EXTEND 2" BELOW T-BAR CEILING
9.5	REINFORCED CEMENT FIBERBOARD WALL PANELING - REFER TO ROOM FINISH SCHEDULE
9.8	SUSPENDED ACOUSTICAL CEILING TILE - REFER TO REFLECTED CEILING PLAN
9.9	GYP BD CEILING - REFER TO REFLECTED CEILING PLAN
10.14	BUILDING SIGNAGE, 10" TALL ALUMINUM LETTERS
15.6	MECHANICAL HVAC UNIT - REFER TO MECHANICAL DWGS
15.12	GALV SPIRAL DUCTWORK - REFER TO MECHANICAL DWGS
16.1	WALL MOUNTED LIGHT FIXTURE - REFER TO ELECTRICAL DWGS



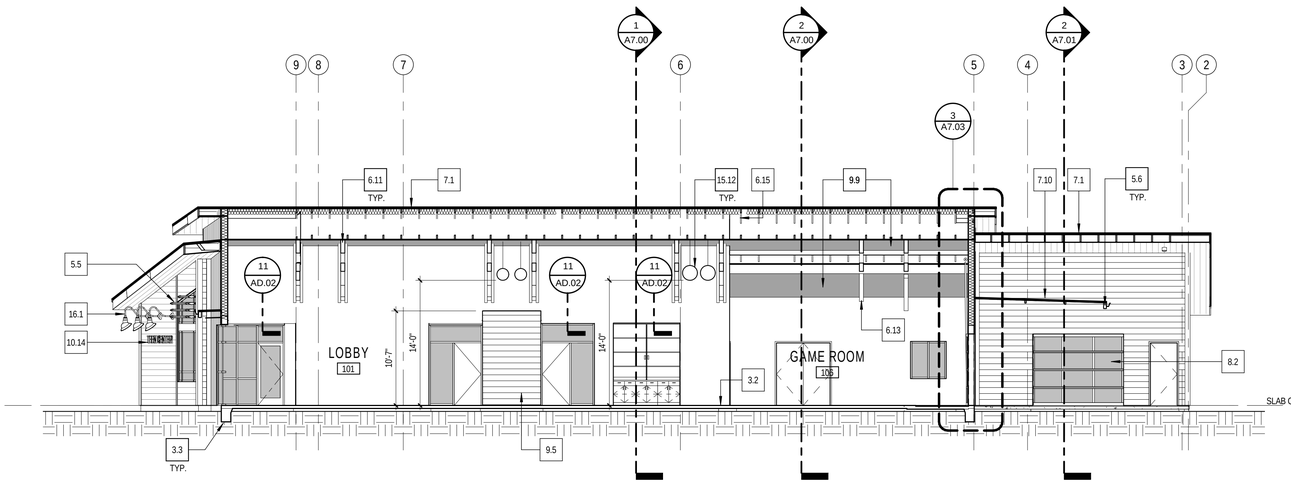
3 A7.00 **BUILDING SECTION 3**
1/8" = 1'-0"



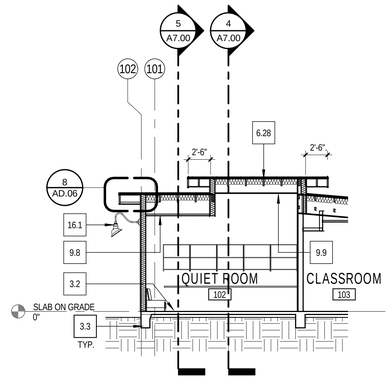
4 A7.00 **BUILDING SECTION 4**
1/8" = 1'-0"



5 A7.00 **BUILDING SECTION 5**
1/8" = 1'-0"



6 A7.00 **BUILDING SECTION 6**
1/8" = 1'-0"



7 A7.00 **BUILDING SECTION 7**
1/8" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project: McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

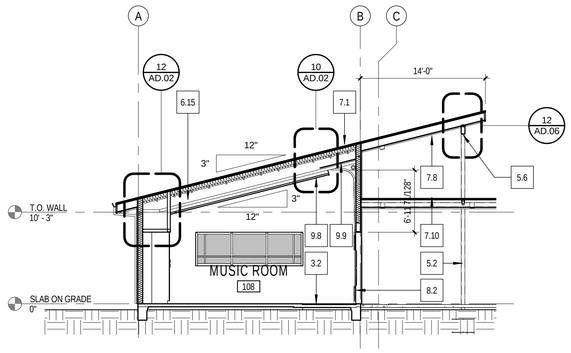
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

BUILDING SECTIONS

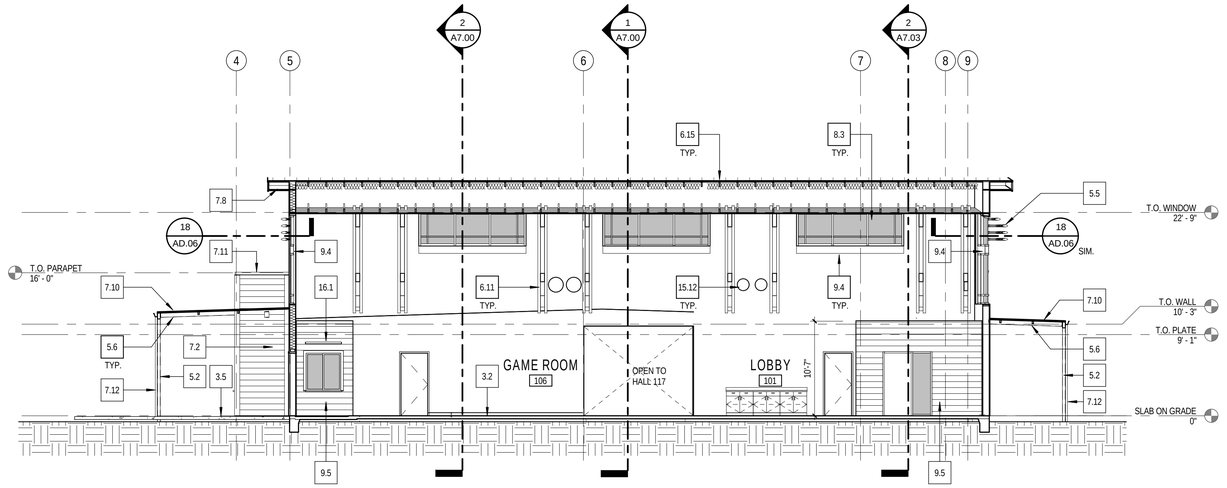
A7.00

10/3/2014 5:03:17 PM



2 BUILDING SECTION 8

2 A7.01 1/8" = 1'-0"



1 BUILDING SECTION 9

1 A7.01 1/8" = 1'-0"

KEYNOTES

3.2	CONC SLAB ON GRADE - REFER TO STRUCTURAL DWGS
3.5	CONC WALK/PAVING - REFER TO DETAIL 3/A1.02
5.2	HSS COL, PRIME & PAINT - REFER TO STRUCTURAL DWGS
5.5	ALUM SHADE DEVICE
5.6	HSS BEAM, REFER TO STRUCTURAL DWGS
6.11	ARCHITECTURAL GLULAM TRUSS
6.15	WOOD ROOF TRUSSES - REFER TO STRUCTURAL DWGS
7.1	24 GA STANDING SEAM METAL ROOFING, EQUAL RIBS AT 16" O.C., PAINT COLORS & STAIN COLORS AS SELECTED BY ARCHITECT, USE STAIN COLORS U.O.N.
7.2	5/16" REINFORCED CEMENT FIBERBOARD LAP-SIDING, COLOR AS SELECTED BY ARCHITECT
7.8	24 GA SHEET METAL SOFFIT PANEL, COLOR AS SELECTED BY ARCHITECT
7.10	22 GA REVERSED HR-36 ROOFING PANEL, AEP SPAN, PAINTED BOTH SIDES COLOR AS SELECTED BY ARCHITECT
7.11	24 GA PARAPET CAP, PRIME & PAINT
7.12	3" DIA GALV DOWNSPOUT, PRIME AND PAINT, CONNECT TO UNDERGROUND, REFER TO CIVIL DWGS
8.2	OVERHEAD STEEL SECTIONAL DOOR - REFER TO DOOR SCHEDULE
8.3	ALUM STOREFRONT WINDOW - REFER TO STOREFRONT SCHEDULE
9.4	1X10 WOOD TRIM, STAIN & SEAL
9.5	REINFORCED CEMENT FIBERBOARD WALL PANELING - REFER TO ROOM FINISH SCHEDULE
9.8	SUSPENDED ACOUSTICAL CEILING TILE - REFER TO REFLECTED CEILING PLAN
9.9	GYP BD CEILING - REFER TO REFLECTED CEILING PLAN
15.12	GALV SPIRAL DUCTWORK - REFER TO MECHANICAL DWGS
16.1	WALL MOUNTED LIGHT FIXTURE - REFER TO ELECTRICAL DWGS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
EDWIN L. WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

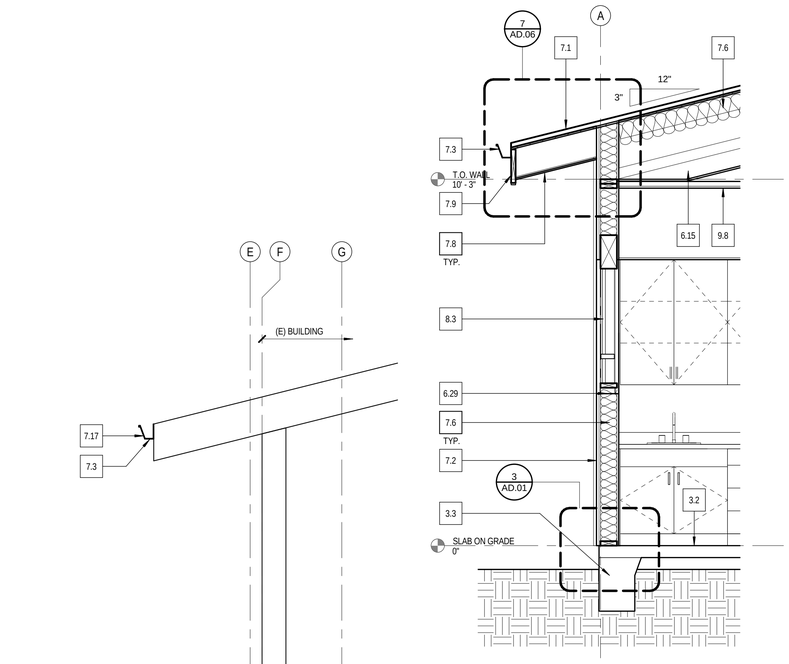
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

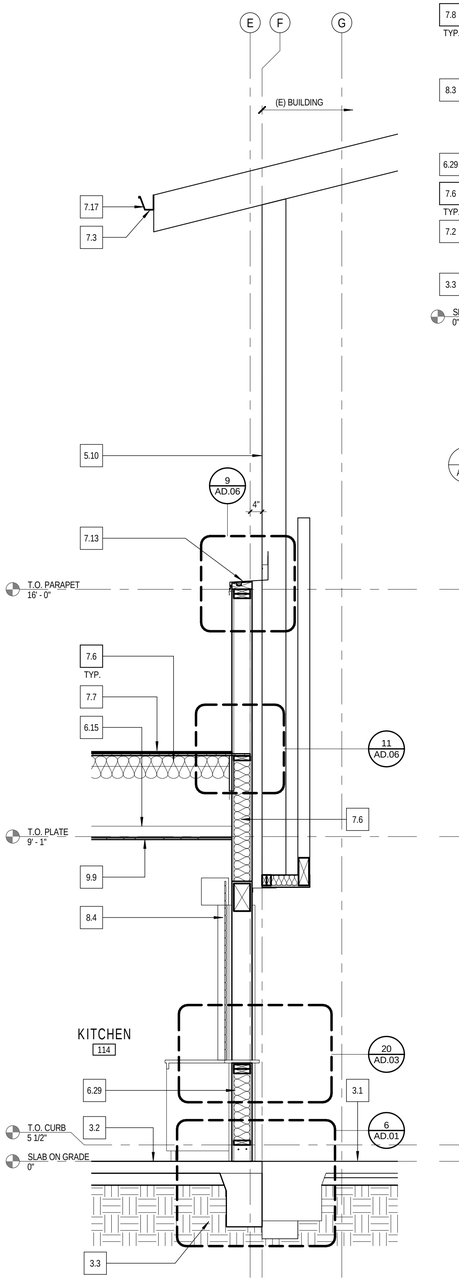
BUILDING SECTIONS

A7.01

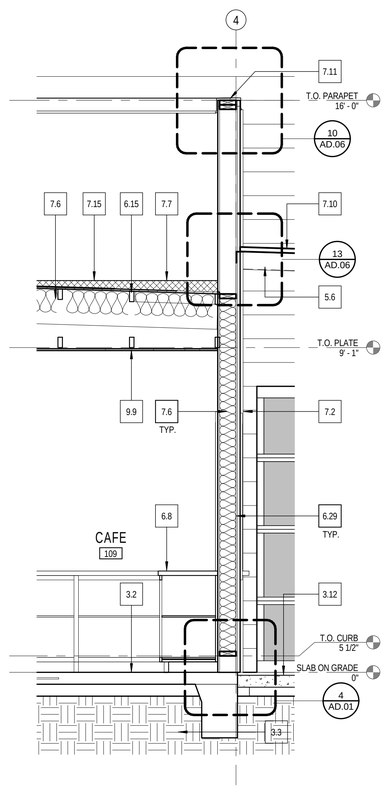
10/2/2014 3:23 PM



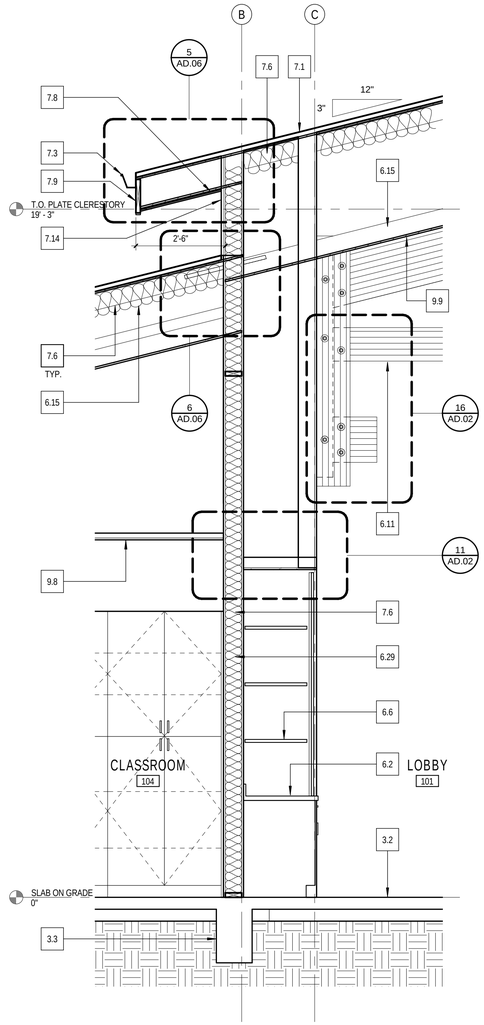
2 WALL SECTION AT CLASSROOM
2 A7.02 1/2" = 1'-0"



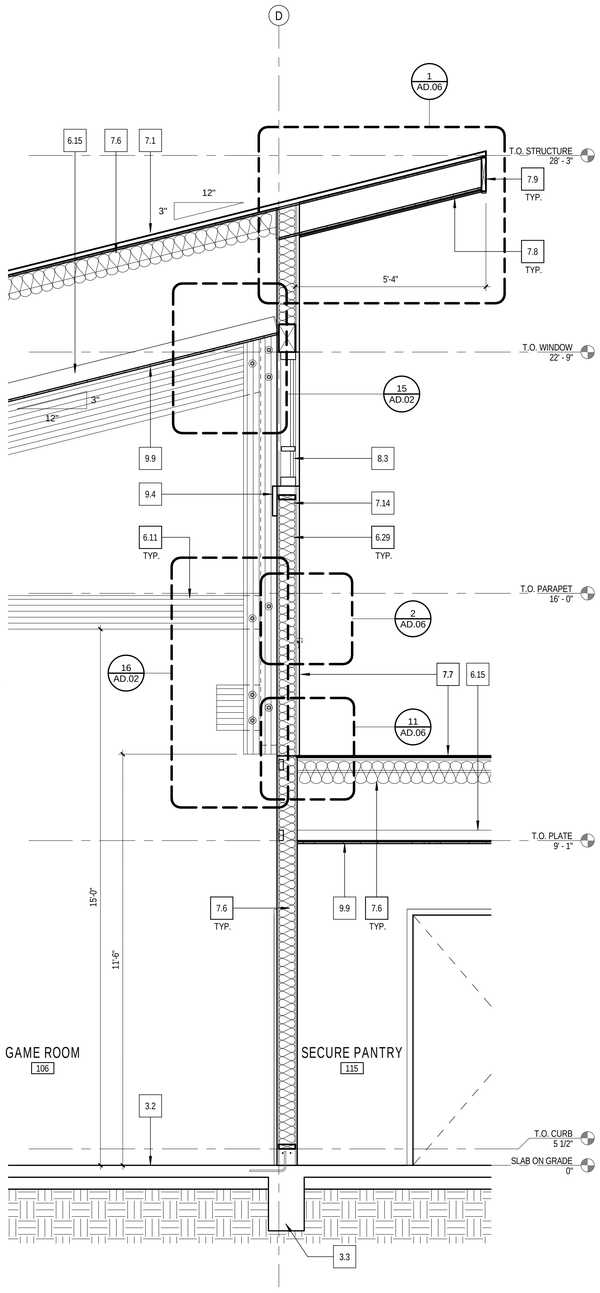
1 WALL SECTION AT KITCHEN
1 A7.02 1/2" = 1'-0"



3 WALL SECTION AT CAFE
3 A7.02 1/2" = 1'-0"



4 WALL SECTION AT CLASSROOM/LOBBY
4 A7.02 1/2" = 1'-0"



5 WALL SECTION AT CLERESTORY
5 A7.02 1/2" = 1'-0"

KEY NOTES

3.1	(E) CONC SLAB ON GRADE
3.2	CONC SLAB ON GRADE - REFER TO STRUCTURAL DWGS
3.3	CONC FOOTING - REFER TO STRUCTURAL DWGS
3.12	CONC PAVING
5.6	HSS BEAM, REFER TO STRUCTURAL DWGS
5.10	(E) METAL WALL PANEL
6.2	PLAM BASE CABINETS W/ ADJ MELAMINE SHELVES & SOLID SURFACE COUNTERTOP W/4" BACKSPLASH
6.6	TEMPERED GLASS SHELVES, SHELF STANDARDS & BRACKETS
6.8	PLAM OPEN BASE CABINETS W/ADJ PLAM SHELVES, STAINLESS STEEL COUNTERTOP W/4" BACKSPLASH & MARINE EDGE
6.11	ARCHITECTURAL GLULAM TRUSS
6.15	WOOD ROOF TRUSSES - REFER TO STRUCTURAL DWGS
6.29	2X WD FRAMING - REFER TO FLOOR PLAN
7.1	24 GA STANDING SEAM METAL ROOFING, EQUAL RIBS AT 16" O.C., PAINT COLORS & STAIN COLORS AS SELECTED BY ARCHITECT, USE STAIN COLORS U.O.N.
7.2	5/16" REINFORCED CEMENT FIBERBOARD LAP-SIDING, COLOR AS SELECTED BY ARCHITECT
7.3	24 GA GALV SHEET METAL GUTTER, MATCH COLOR OF STANDING SEAM MTL ROOFING
7.6	KRAFT FACED BATT INSULATION - REFER TO WALL & ROOF DETAILS FOR R-VALUE
7.7	SINGLE-PLY ROOFING MEMBRANE
7.8	24 GA SHEET METAL SOFFIT PANEL, COLOR AS SELECTED BY ARCHITECT
7.9	24 GA GALV SHT MTL FASCIA, COLOR TO MATCH STANDING SEAM MTL ROOF PANELS
7.10	22 GA REVERSED HR-36 ROOFING PANEL, AEP SPAN, PAINTED BOTH SIDES COLOR AS SELECTED BY ARCHITECT
7.11	24 GA PARAPET CAP, PRIME & PAINT
7.13	SEISMIC JOINT COVER
7.14	24 GA GALV SHEET METAL WALL PANELS, COLOR AS SELECTED BY ARCHITECT
7.15	TAPERED RIGID INSULATION BD ROOF CRICKET
7.17	REMOVE & RELPACE (E) ROOF GUTTER, MATCH (E), PRIME AND PAINT
8.3	ALUM STOREFRONT WINDOW - REFER TO STOREFRONT SCHEDULE
8.4	OVERHEAD STEEL COILING DOOR - REFER TO DOOR SCHEDULE
9.4	1X10 WOOD TRIM, STAIN & SEAL
9.8	SUSPENDED ACOUSTICAL CEILING TILE - REFER TO REFLECTED CEILING PLAN
9.9	GYP BD CEILING - REFER TO REFLECTED CEILING PLAN

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

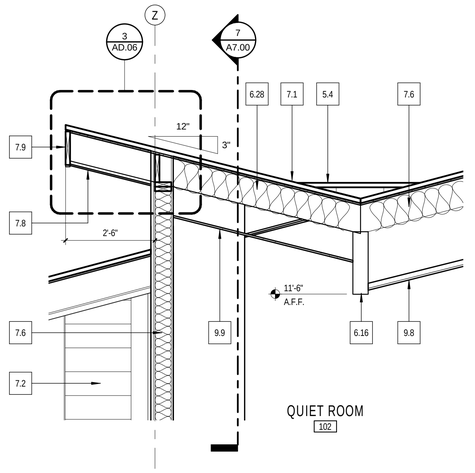
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

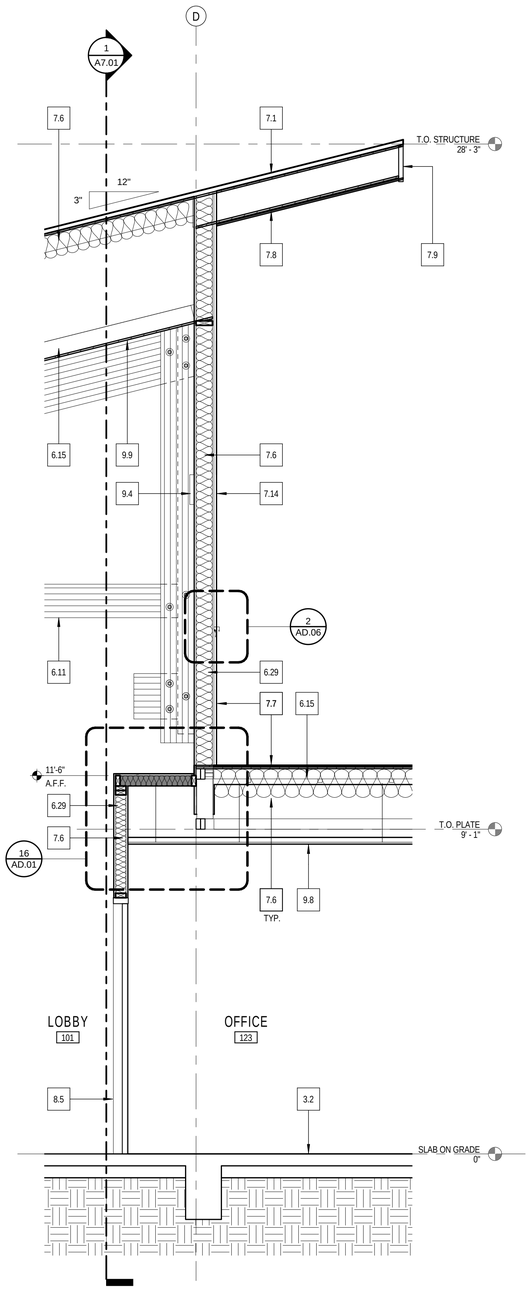
WALL SECTIONS

A7.02

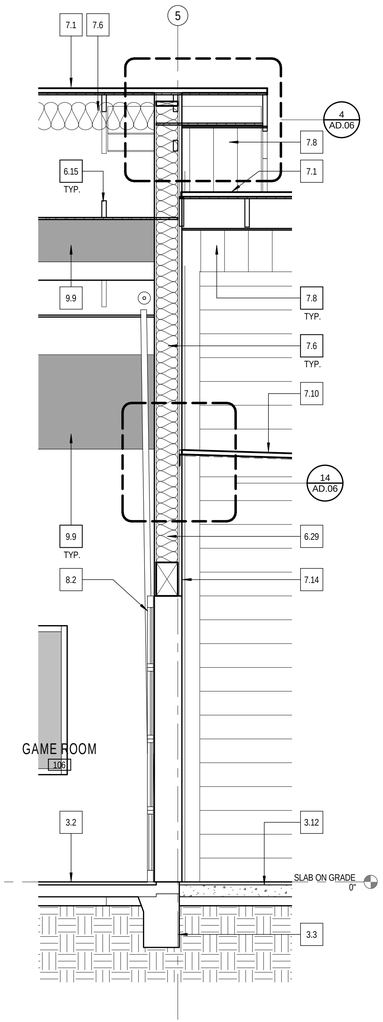
10/3/2014 5:02:27 PM



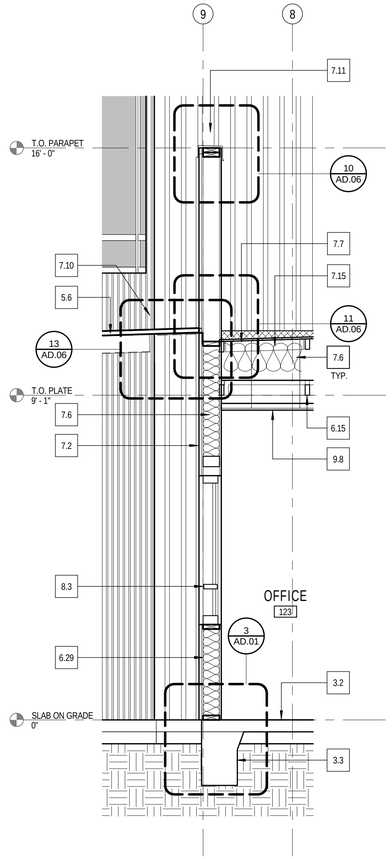
5 A7.03 **WALL SECTION AT QUIET ROOM**
1/2" = 1'-0"



2 A7.03 **WALL SECTION AT LOBY/OFFICE**
1/2" = 1'-0"



3 A7.03 **WALLSECTION AT GAME ROOM**
1/2" = 1'-0"



4 A7.03 **WALL SECTION AT OFFICE**
1/2" = 1'-0"

KEYNOTES

3.2	CONC SLAB ON GRADE - REFER TO STRUCTURAL DWGS
3.3	CONC FOOTING - REFER TO STRUCTURAL DWGS
3.12	CONC PAVING
5.4	26 GA GALV SHT MTL CRICKET, MATCH COLOR OF STANDING SEAM MTL ROOFING
5.6	HSS BEAM, REFER TO STRUCTURAL DWGS
6.11	ARCHITECTURAL GLULAM TRUSS
6.15	WOOD ROOF TRUSSES - REFER TO STRUCTURAL DWGS
6.16	WOOD BEAM - REFER TO STRUCTURAL DWGS
6.28	2X ROOF FRAMING - REFER TO STRUCTURAL DWGS.
6.29	2X WD FRAMING - REFER TO FLOOR PLAN
7.1	24 GA STANDING SEAM METAL ROOFING, EQUAL RIBS AT 16" O.C., PAINT COLORS & STAIN COLORS AS SELECTED BY ARCHITECT, USE STAIN COLORS U.O.N.
7.2	5/16" REINFORCED CEMENT FIBERBOARD LAP-SIDING, COLOR AS SELECTED BY ARCHITECT
7.6	KRAFT FACED BATT INSULATION - REFER TO WALL & ROOF DETAILS FOR R-VALUE
7.7	SINGLE-PLY ROOFING MEMBRANE
7.8	24 GA SHEET METAL SOFFIT PANEL, COLOR AS SELECTED BY ARCHITECT
7.9	24 GA GALV SHT MTL FASCIA, COLOR TO MATCH STANDING SEAM MTL ROOF PANELS
7.10	22 GA REVERSED HR-36 ROOFING PANEL, AEP SPAN, PAINTED BOTH SIDES COLOR AS SELECTED BY ARCHITECT
7.11	24 GA PARAPET CAP, PRIME & PAINT
7.14	24 GA GALV SHEET METAL WALL PANELS, COLOR AS SELECTED BY ARCHITECT
7.15	TAPERED RIGID INSULATION BD ROOF CRICKET
8.2	OVERHEAD STEEL SECTIONAL DOOR - REFER TO DOOR SCHEDULE
8.3	ALUM STOREFRONT WINDOW - REFER TO STOREFRONT SCHEDULE
8.5	WD OR ALUMN STOREFRONT DOOR - REFER TO DOOR SCHEDULE
9.4	1X10 WOOD TRIM, STAIN & SEAL
9.8	SUSPENDED ACOUSTICAL CEILING TILE - REFER TO REFLECTED CEILING PLAN
9.9	GYP BD CEILING - REFER TO REFLECTED CEILING PLAN

LDA partners LLP
lesovsky•donaldson•zagaroli•wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

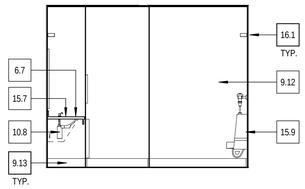
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

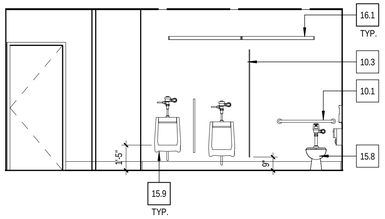
WALL SECTIONS

A7.03

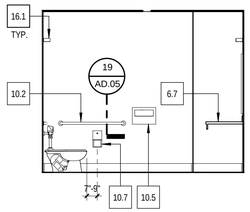
10/30/2014 5:08:38 PM



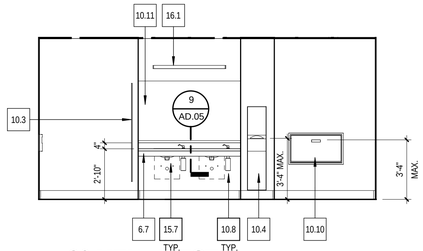
1 A8.00 **20 MEN - NORTH** 1/4" = 1'-0"



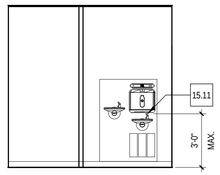
2 A8.00 **20 MEN - EAST** 1/4" = 1'-0"



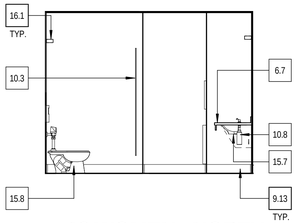
3 A8.00 **20 MEN - SOUTH** 1/4" = 1'-0"



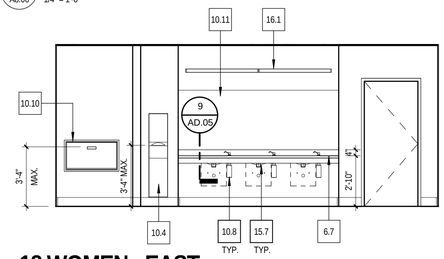
4 A8.00 **20 MEN - WEST** 1/4" = 1'-0"



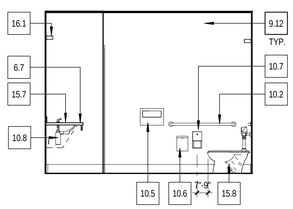
5 A8.00 **ACCESSIBLE DRINKING FOUNTAIN** 1/4" = 1'-0"



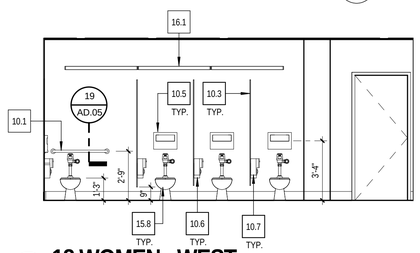
6 A8.00 **18 WOMEN - NORTH** 1/4" = 1'-0"



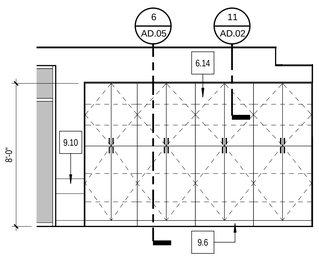
7 A8.00 **18 WOMEN - EAST** 1/4" = 1'-0"



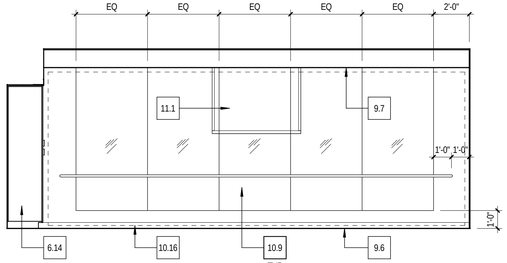
8 A8.00 **18 WOMEN - SOUTH** 1/4" = 1'-0"



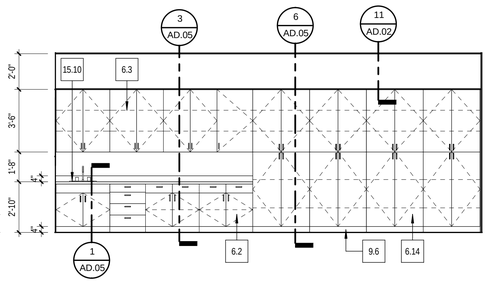
9 A8.00 **18 WOMEN - WEST** 1/4" = 1'-0"



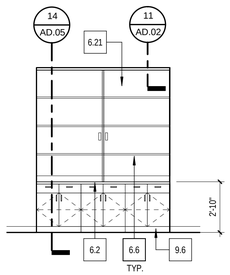
10 A8.00 **3 CLASSROOM - EAST** 1/4" = 1'-0"



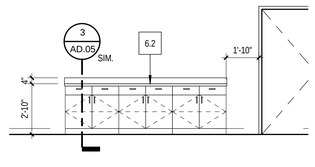
11 A8.00 **3 CLASSROOM - SOUTH** 1/4" = 1'-0"



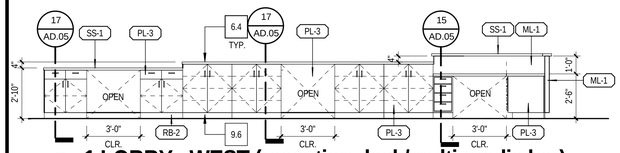
12 A8.00 **4 CLASSROOM - NORTH** 1/4" = 1'-0"



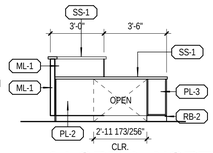
13 A8.00 **1 LOBBY - WEST** 1/4" = 1'-0"



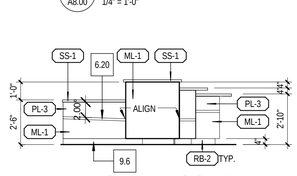
14 A8.00 **1 LOBBY - EAST** 1/4" = 1'-0"



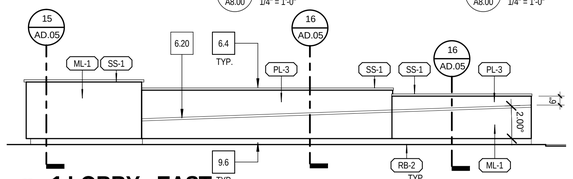
15 A8.00 **1 LOBBY - WEST (reception desk/multi-media bar)** 1/4" = 1'-0"



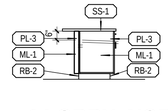
16 A8.00 **1 LOBBY - NORTH** 1/4" = 1'-0"



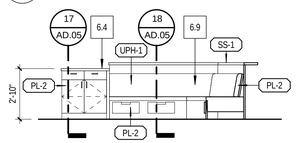
17 A8.00 **1 LOBBY - SOUTH** 1/4" = 1'-0"



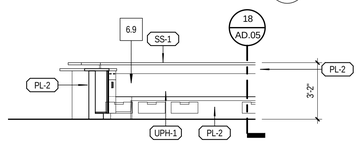
18 A8.00 **1 LOBBY - EAST.** 1/4" = 1'-0"



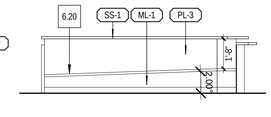
28 A8.00 **1 LOBBY- NORTH** 1/4" = 1'-0"



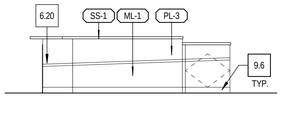
19 A8.00 **6 GAMEROOM - SOUTH** 1/4" = 1'-0"



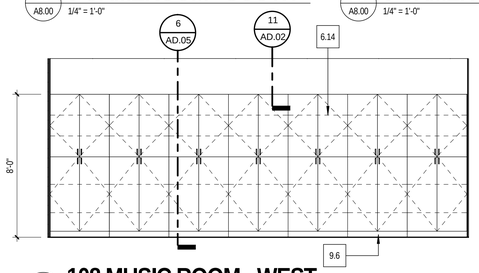
20 A8.00 **6 GAMEROOM - WEST** 1/4" = 1'-0"



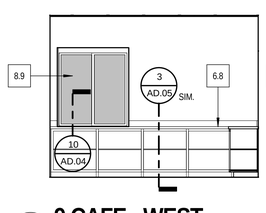
21 A8.00 **6 GAMEROOM - EAST** 1/4" = 1'-0"



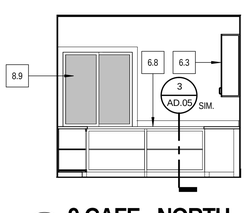
29 A8.00 **6 GAMEROOM - NORTH** 1/4" = 1'-0"



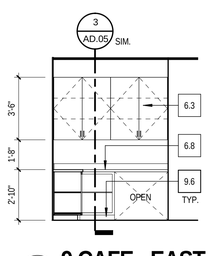
22 A8.00 **108 MUSIC ROOM - WEST** 1/4" = 1'-0"



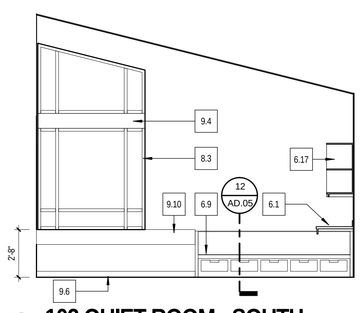
23 A8.00 **9 CAFE - WEST** 1/4" = 1'-0"



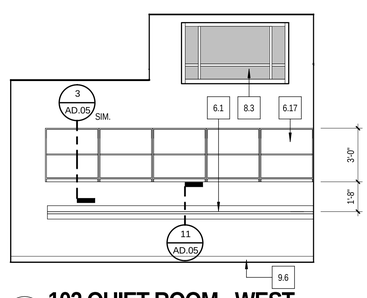
24 A8.00 **9 CAFE - NORTH** 1/4" = 1'-0"



25 A8.00 **9 CAFE - EAST** 1/4" = 1'-0"



26 A8.00 **102 QUIET ROOM - SOUTH** 1/4" = 1'-0"



27 A8.00 **102 QUIET ROOM - WEST** 1/4" = 1'-0"

KEYNOTES

6.1 PLAM COUNTERTOP W/ 4" BACKSPLASH & APRON, CONSEALED BRACKET
6.2 PLAM BASE CABINETS W/ ADJ MELAMINE SHELVES & SOLID SURFACE COUNTERTOP W/4" BACKSPLASH
6.3 PLAM WALL CABINETS W/ ADJ MELAMINE SHELVES
6.4 PLAM BASE CABINETS W/ ADJ MELAMINE SHELVES & SOLID SURFACE COUNTERTOP
6.6 TEMPERED GLASS SHELVES, SHELF STANDARDS & BRACKETS
6.7 SOLID SURFACE COUNTERTOP W/4" BACKSPLASH & APRON, MTL PIPE GUARD
6.8 PLAM OPEN BASE CABINETS W/ADJ PLAM SHELVES, STAINLESS STEEL COUNTERTOP W/4" BACKSPLASH & MARINE EDGE
6.9 UPHOLSTERED BOOTH SEATING
6.14 PLAM FULL HT CABINETS W/ ADJ MELAMINE SHELVES
6.17 PLAM WALL CABINETS W/ ADJ PLAM SHELVES
6.20 1/2" X 1-1/2" ALUM REVEAL
6.21 TEMPERED GLASS BI-PASS SLIDING DOORS AND TRACK - LOCKABLE
8.3 ALUM STOREFRONT WINDOW - REFER TO STOREFRONT SCHEDULE
8.9 OPERABLE PASS-THRU WINDOW - REFER TO WINDOW SCHEDULE
9.4 1X10 WOOD TRIM, STAIN & SEAL
9.6 RUBBER WALL BASE - REFER TO ROOM FINISH SCHEDULE
9.7 GYP BD SOFFIT - REFER TO REFLECTED CEILING PLAN
9.10 1" x 10" MDF CHAIR RAIL, PRIME AND PAINT - REFER TO ROOM FINISHES SHEET
9.12 PORCELAIN WALL TILE - REFER TO ROOM FINISH SCHEDULE
9.13 6" COVE PORCELAIN TILE BASE - REFER TO ROOM FINISH SCHEDULE
10.1 1-1/2" DIA. x 36" LONG STAINLESS STEEL GRAB BAR, TYP AT ALL ACCESSIBLE STALLS
10.2 1-1/2" DIA. x 42" LONG STAINLESS STEEL GRAB BAR, TYP AT ALL ACCESSIBLE STALLS
10.3 TOILET PARTITION, HIGH DENSITY POLYETHLENE, COLOR THROUGH
10.4 RECESSED PAPER TOWEL DISPENSER W/ WASTE RECEPTACLE, TYP AT ALL RESTROOMS
10.5 SURFACE-MOUNTED SEAT COVER DISPENSER, TYP AT ALL STALLS
10.6 SURFACE-MOUNTED SANITARY NAPKIN RECEPTACLE, TYP AT ALL WOMEN'S STALLS
10.7 SURFACE MOUNTED TOILET PAPER DISPENSER, TYP AT ALL STALLS
10.8 SOAP DISPENSER, TYP AT ALL LAVS
10.9 8'-0" TALL MIRRORS & WOOD BALLET BAR
10.10 BABY CHANGING STATION, TYP AT ALL RESTROOMS
10.11 FULL WIDTH SURFACE MOUNTED MIRROR, TYP AT ALL RESTROOMS
10.16 COUNTINUOUS CEILING MOUNTED CURTAIN TRACK & CURTAIN - OWNER FURNISH/CONTRACTOR INSTALL
11.1 RECESSED, CEILING MOUNTED PROJECTOR SCREEN, MATT WHITE, 69"x120", MFR BY DRAPER, ACCESS E, MODEL #104022
15.7 UNDERMOUNT LAVATORY - REFER TO PLUMBING DWGS
15.8 WATER CLOSET - REFER TO PLUMBING DWGS
15.9 URINAL - REFER TO PLUMBING DWGS
15.10 SINK - REFER TO PLUMBING DWGS
15.11 HI-LOW ELECTRIC WATER COOLER W/ HYDRATION STATION - REFER TO PLUMBING DWGS
16.1 WALL MOUNTED LIGHT FIXTURE - REFER TO ELECTRICAL DWGS

GENERAL NOTES

1. PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVING, TV SUPPORT BRACKETS, BULLETIN BOARDS, MARKER BOARDS AND BATHROOM FIXTURES.
2. PROVIDE FIRE BLOCKING EVERY 10'-0" VERTICALLY & HORIZONTALLY AT CONCEALED SPACES, WALLS, PARTITIONS, CEILINGS AND INTERSECTIONS - TYP.
7. ALL INTERIOR DOORS SHALL HAVE MIN. 18" WIDTH CLEARANCE ON THE SIDE TO WHICH THE DOOR SWINGS FROM THE STRIKE EDGE OF THE DOOR.
8. ALL EXTERIOR DOORS SHALL HAVE MIN. 24" WIDTH LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS FROM THE STRIKE EDGE OF THE DOOR.
9. PROVIDE KNOX BOX PER LOCAL FIRE DEPARTMENT REQUIREMENTS.
11. REFER TO SHEET G3.00 ACCESSIBILITY NOTES AND G3.10 ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION AND TYPICAL ACCESSIBLE DETAILS.
12. ALL CASEWORK TO HAVE RB-2 FOR BASE
13. REFER TO ROOM FINISHES PLAN FOR ALL FINISH DESIGNATIONS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

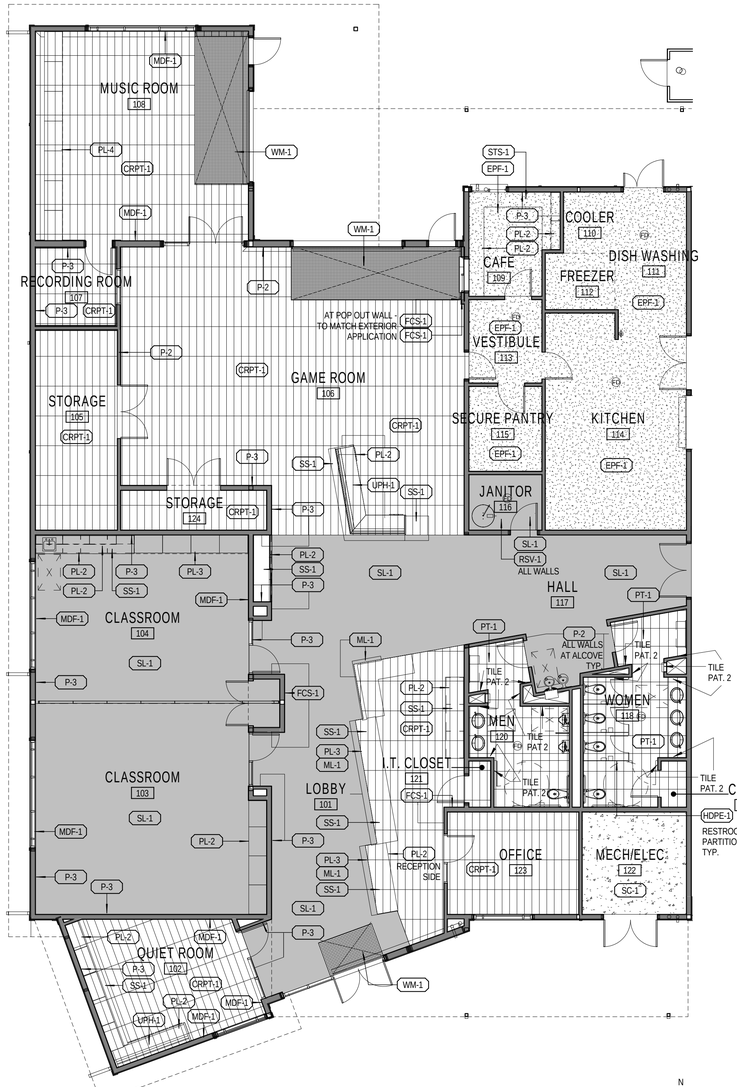
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

INTERIOR ELEVATIONS

A8.00

10/1/2014 8:07:31 PM



1 A9.00 **FINISHES FLOOR PLAN**
1/8" = 1'-0"

ROOM FINISH SCHEDULE

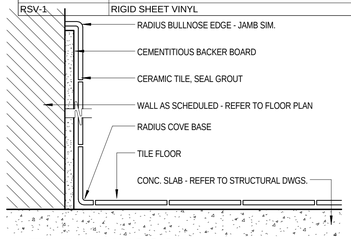
NO.	ROOM NAME	FINISHES FLOOR	BASE	WALL	CEILING	CEILING HEIGHT	COMMENTS
101	LOBBY	CRPT-1 / SL-1	RB-1	VARIES - SEE PLAN	CLG-4	VARIES - SEE PLAN	
102	QUIET ROOM	CRPT-1	RB-1	VARIES - SEE PLAN	CLG-3 / CLG-4	VARIES - SEE PLAN	SEE FINISHES PLAN AND INTERIOR ELEVATIONS FOR FINISH LOCATIONS
103	CLASSROOM	SL-1	RB-1	VARIES - SEE PLAN	CLG-2 / CLG-4	VARIES - SEE PLAN	SEE FINISHES PLAN AND INTERIOR ELEVATIONS FOR FINISH LOCATIONS
104	CLASSROOM	SL-1	RB-1	VARIES - SEE PLAN	CLG-2 / CLG-4	VARIES - SEE PLAN	SEE FINISHES PLAN AND INTERIOR ELEVATIONS FOR FINISH LOCATIONS
105	STORAGE	CRPT-1	RB-2	P-1	CLG-4	+9'-0"	
106	GAME ROOM	CRPT-1	RB-1	VARIES - SEE PLAN	CLG-4	VARIES - SEE PLAN	SEE FINISHES PLAN AND INTERIOR ELEVATIONS FOR FINISH LOCATIONS
107	RECORDING ROOM	CRPT-1	RB-1	P-1	CLG-5	+9'-0"	SEE FINISHES PLAN AND INTERIOR ELEVATIONS FOR FINISH LOCATIONS
108	MUSIC ROOM	CRPT-1	RB-1	VARIES - SEE PLAN	CLG-2 / CLG-4	VARIES - SEE PLAN	SEE FINISHES PLAN AND INTERIOR ELEVATIONS FOR FINISH LOCATIONS
109	CAFE	EP-1	EPB-1	EP-1	CLG-4	+9'-0"	
110	COOLER	EP-1	EPB-1	EP-1	CLG-1	OPEN TO STRUCTURE ABOVE	
111	DISH WASHING	EP-1	EPB-1	EP-1	CLG-4	+9'-0"	
112	FREEZER	EP-1	EPB-1	EP-1	CLG-1	OPEN TO STRUCTURE ABOVE	
113	VESTIBULE	EP-1	EPB-1	EP-1	CLG-4	+9'-0"	
114	KITCHEN	EP-1	EPB-1	EP-1	CLG-4	+9'-0"	
115	SECURE PANTRY	EP-1	EPB-1	EP-1	CLG-4	+9'-0"	
116	JANITOR	SL-1	RB-2	P-1 / RSV-1	CLG-4	+9'-0"	
117	HALL	SL-1	RB-1	VARIES - SEE PLAN	CLG-4	VARIES - SEE PLAN	SEE FINISHES PLAN AND INTERIOR ELEVATIONS FOR FINISH LOCATIONS
118	WOMEN	PT-1	CTB-1	VARIES - SEE PLAN	CLG-4	+9'-0"	SEE INTERIOR ELEVATIONS FOR WALL TILE PATTERN
119	CLOSET	PT-1	CTB-1	P-1	CLG-4	+9'-0"	
119	CLOS.						
120	MEN	PT-1	CTB-1	VARIES - SEE PLAN	CLG-4	+9'-0"	SEE INTERIOR ELEVATIONS FOR WALL TILE PATTERN
121	I.T. CLOSET						
122	MECH/ELEC	SC-1	RB-1	P-1	CLG-4	+9'-0"	
123	OFFICE	CRPT-1	RB-1	VARIES - SEE PLAN	CLG-3	+8'-8"	SEE FINISHES PLAN AND INTERIOR ELEVATIONS FOR FINISH LOCATIONS
124	STORAGE	CRPT-1 / SL-1	RB-2	P-1	CLG-4	+8'-0"	
124	STORAGE						

GENERAL FINISH NOTES

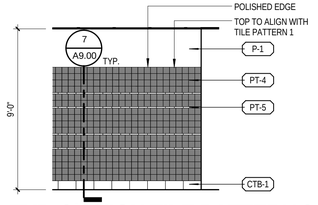
1. ALL WALLS AND GYPSUM BOARD CEILINGS ARE PAINTED P-1, UNLESS OTHERWISE NOTED.
2. IN RESTROOMS, USE TILE PATTERN 1, UNLESS OTHERWISE NOTED. REFER TO TYP. TILE PATTERN ELEVATIONS THIS SHEET.

FINISH MATERIAL LEGEND

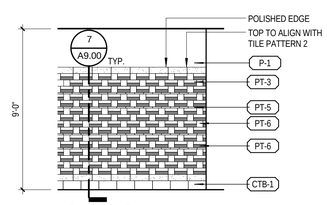
DESIGNATION	MATERIAL	MFR/PRODUCT	STYLE/COLOR	COMMENTS
CASEWORK				
ML-1	METAL LAMINATE	WILSONART	CRYSTAL STEEL S6501	
PL-1	PLASTIC LAMINATE	NEVAMAR	VOIS POIRE VS4001T	
PL-2	PLASTIC LAMINATE	WILSONART	URBAN IRON 4968-38	
PL-3	PLASTIC LAMINATE	FORMICA	MINERAL DOT FINISH / GRENADINE	HORIZONTAL DIRECTION
SS-1	SOLID SURFACE	CAESARSTONE / QUARTZ	SQAURE EDGING / 3141 EGGSHELL	REFER TO INTERIOR ELEVATION FOR FACING AND BACKSPLASH DIMENSIONS AND LOCATIONS
STS-1	STAINLESS STEEL			COUNTERTOPS
UPH-1	UPHOLTERY FABRIC	CRYPTON	TO BE DETERMINED	+100,000 DOUBLE RUB MINIMUM, STAIN RESISTANT, WASHABLE, & WATER RESISTANT
CEILINGS				
CLG-1	NO CEILING - UNDERSIDE OF ROOF STRUCTURE EXPOSED			REFER TO CEILING PLANS
CLG-2	24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING TILE	ARMSTRONG / OPTIMA TEGULAR	FINE TEXTURE / WHITE	15/16 PRELUDE T-BAR WITH 6" WHITE AXIOM TRIM - SEE CEILING PLANS
CLG-3	24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING TILE	ARMSTRONG / OPTIMA TEGULAR	FINE TEXTURE / WHITE	15/16 PRELUDE T-BAR
CLG-4	GYPSUM BOARD	REFER TO CEILING PLANS	TO BE PAINTED / REFER TO CEILING PLANS	SATIN / SEMI-GLOSS AT ALL WET CEILINGS (TO HAVE MOLD RESISTANT ADDITIVE)
CLG-5	24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING TILE	ARMSTRONG / ULTIMA TEGULAR	FINE TEXTURE / WHITE	REFER TO CEILING PLANS
FLOORS				
CRPT-1	MODULAR PLANKED CARPET TILE	INTERFACE / SERIES: ONLINE	138720AK00 / MESQUITE	10" x 40" STACKED PATTERN (SEE PLAN THIS SHEET FOR PATTERN AND DIRECTION)
EPF-1	EPOXY			
PT-1	PORCELAIN TILE	DAL TILE / SERIES: IMAGICA	UNPOLISHED / MIDNIGHT IG98	12" x 24" STACKED PATTERN (SEE PLAN THIS SHEET)
SC-1	SEALED CONCRETE			
SL-1	SHEET LINOLEUM	FORBO / DECIBAL	304835 GRAPHITE	3.5 MM THICK 79" x 89' - WELDING RODS TO MATCH
WM-1	WALK -OFF MAT	EAGLE MAT / 3/4" RECESSED GRILL PEDITRED	COLOR TO BE DETERMINED BY ARCHITECT	SEE STRUCTURAL FOR RECESSED SLAB REQUIREMENTS
SPECIALTIES				
HDPE-1	HIGH DENSITY POLYETHYLENE	SCRANTON PRODUCTS / RR PARTITION	EX DOT FINISH / BRONZE	RESTROOM PARTITION
WALL BASE				
CTB-1	COVED PORCELAIN TILE BASE	DALE TILE / SERIES: IMAGICA	UNPOLISHED / MIDNIGHT P-36C9T	6" x 12" / USE COVED BASE CORNER (SC36C9T)
EPB-1	COVED EPOXY BASE			6" HIGH COVE AT CURBED WALLS, TYP.
RB-1	RUBBER WALL BASE	JOHNSONITE / SERIES: MILLWORK	REVEAL / 40 BLACK	4.25" HIGH / USE ROLLS NOT CUT LENGTHS
RB-2	RUBBER WALL BASE	JOHNSONITE / SERIES: TRADITIONAL WALL BASE	TRADITIONAL / 40 BLACK	4" x 120' COIL
WALLS				
EPW-1	FULL HEIGHT EPOXY			
FCS-1	REINFORCED FIBER CEMENT SIDING	ALLURA / BUTT JOINT SIDING	STAINED : MAPLE & MAHOGANY	5/16" x 8-1/4" - FOR INTERIOR APPLICATION USE A MATCHED FASTENER
MDF-1	MDF CHAIR RAIL		PRIME AND PAINT TO MATCH WALL COLOR	1" x 10" AT + 32"-0" HIGH, TYP. WHERE NOTED
P-1	PAINT	BENJAMIN MOORE / CLASSIC COLORS	1520 HUSHED HUE	SATIN / SEMI-GLOSS AT ALL WET WALLS (TO HAVE MOLD RESISTANT ADDITIVE)
P-2	PAINT	BENJAMIN MOORE / COLOR PREVIEW	2008-10 RAVISHING RED	SATIN / SEMI-GLOSS AT ALL WET WALLS (TO HAVE MOLD RESISTANT ADDITIVE)
P-3	PAINT	BENJAMIN MOORE / COLOR PREVIEW	2155-40 SEMOLINA	SATIN / SEMI-GLOSS AT ALL WET WALLS (TO HAVE MOLD RESISTANT ADDITIVE)
P-4	PAINT	BENJAMIN MOORE / CLASSIC COLORS	INT. READY MIX BLACK	SATIN
PT-2	PORCELAIN TILE	DAL TILE / MODERN DIMENSIONS	K775 BISQUIT / MATTE	4.25" x 12.75" (SEE TILE WALL PATTERN 1 AT INT. ELEVATIONS)
PT-3	PORCELAIN TILE	DAL TILE / MODERN DIMENSIONS	K775 BISQUIT/ SEMI GLOSS	2-1/8" x 8.5" (SEE WALL TILE PATTERN 1 AT INT. ELEVATIONS)
PT-4	PORCELAIN TILE	DAL TILE / SEMI-GLOSS	Q092 CORAL BEAD	4.25" x 4.25" (SEE WALL TILE PATTERN 2 AT INT. ELEVATIONS)
PT-5	PORCELAIN TILE	DAL TILE / LINERS	Q092 CORAL BEAD	1" x 6" (SEE WALL TILE PATTERN 1 & 2 AT INT. ELEVATIONS)
PT-6	PORCELAIN TILE	DAL TILE / SEMI-GLOSS	Q012 MUSTARD	4.25" x 4.25" (SEE WALL TILE PATTERN 1 AT INT. ELEVATIONS)
PT-7	PORCELAIN TILE	DAL TILE / MODERN DIMENSIONS	0182 SUEDE GRAY / SEMI GLOSS	2-1/8" x 8.5" (SEE WALL TILE PATTERN 1 AT INT. ELEVATIONS)
RSV-1	RIGID SHEET VINYL	C/S ACROVYN / WALL PROTECTION	PEBBLETTE TEXTURE / BLACK 108	.040" THICK / +48 HIGH (REQUIRED)



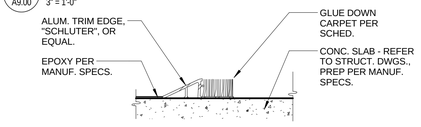
7 A9.00 **TILE WAINSCOT**
3" = 1'-0"



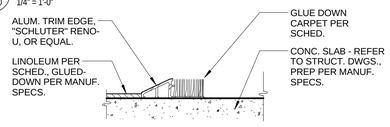
4 A9.00 **TYP. 3/4 HIGH TILE PATTERN 2**
1/4" = 1'-0"



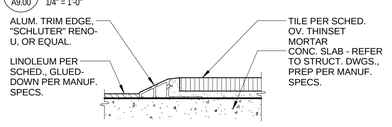
3 A9.00 **TYP. 3/4 HIGH TILE PATTERN 1**
1/4" = 1'-0"



6 A9.00 **EPOXY-CARPET TRANSITION**
6" = 1'-0"



5 A9.00 **LINOLEUM-CARPET TRANSITION**
6" = 1'-0"



2 A9.00 **LINOLEUM-TILE TRANSITION**
6" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

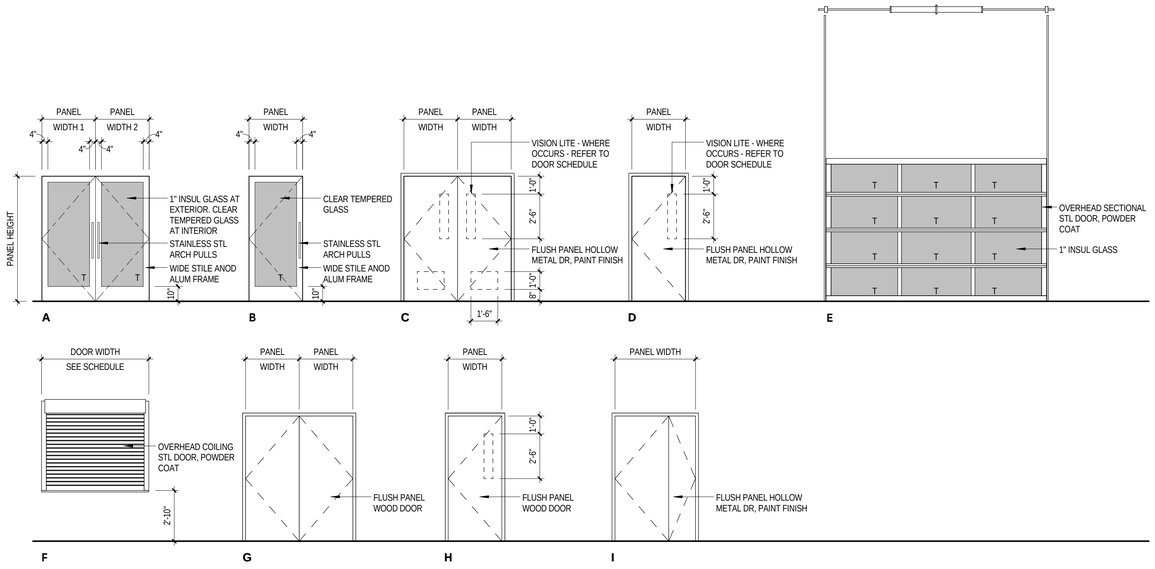
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

ROOM FINISHES SCHEDULE, NOTES & DETAILS

A9.00

2015\14-1\12.dwg



DOOR APPEARANCE TYPES

1/4" = 1'-0"

DOOR SCHEDULE

NO.	TYPE	PANEL DOOR WIDTH 1	PANEL DOOR WIDTH 2	PANEL HEIGHT	PANEL THICKNESS	PANEL CORE	FRAME	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	FIRE RATING	HDWR. GROUP	COMMENTS
SLAB ON GRADE													
009	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	11/AD.04	12/AD.04	11/AD.03	N/A	7	
101	A	3' - 0"	3' - 0"	7' - 0"	1 3/4"	GL	ALUM	13/AD.03	15/AD.03 & 16/AD.03	14/AD.03	N/A	1	SIGNAGE, REFER TO DETAIL 9 & 13/G2.00
102	B	3' - 0"		7' - 0"	1 3/4"	GL	ALUM	13/AD.03	15/AD.03 & 17/AD.03		N/A	3	
103	H	3' - 0"		7' - 0"	1 3/4"	WD	ALUM	13/AD.03	15/AD.03 & 17/AD.03		N/A	3	
104	H	3' - 0"		7' - 0"	1 3/4"	WD	ALUM	13/AD.03	15/AD.03 & 17/AD.03		N/A	3	
105	G	3' - 0"	3' - 0"	7' - 0"	1 3/4"	WD	HM	12/AD.03	12/AD.03		N/A	6	
106		3' - 0"		5' - 6"	1 3/4"	C.S.M.	STL.	-	13/A1.04	-	N/A	-	FIRE RISER GATE, REFER TO DETAIL 3/G2.00 & 17/A1.04
106A	E	12' - 0"		8' - 0"	2"	GL	STL	15/AD.04	16/AD.04		N/A	-	
106B	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	10/AD.03	5/AD.03	11/AD.03	N/A	7	SIGNAGE, REFER TO DETAIL 9/G2.00
107	H	3' - 0"		7' - 0"	1 3/4"	WD	HM	12/AD.03	12/AD.03		N/A	8	VISION LITE
108A	G	3' - 0"	3' - 0"	7' - 0"	1 3/4"	WD	ALUM	17/AD.03	15/AD.03 & 17/AD.03		N/A	3	
108B	E	10' - 0"		8' - 0"	2"	GL	STL	13/AD.04	14/AD.04		N/A	-	
108C	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	9/AD.03	1/AD.03	11/AD.03	N/A	7	SIGNAGE, REFER TO DETAIL 9/G2.00
109	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03		N/A	9	VISION LITE
111	I	3' - 0"	1' - 6"	7' - 0"	1 3/4"	HM	HM	9/AD.03	1/AD.03	11/AD.03	N/A	10	SIGNAGE, REFER TO DETAIL 9/G2.00
113A	H	3' - 0"		7' - 0"	1 3/4"	WD	HM	12/AD.03	12/AD.03		N/A	11	
113B	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03		N/A	12	VISION LITE
114A	C	3' - 0"	3' - 0"	7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03	11/AD.03	N/A	12	
114B	F	6' - 0"		8' - 2 1/2"	1/2"	STL	STL	18/AD.03	19/AD.03	20/AD.03	N/A	-	LOCKABLE, HARDWARE BY MRF
115	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03		N/A	13	
116	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03		N/A	2	
117	C	3' - 0"	3' - 0"	7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03	11/AD.03	N/A	14	VISION LITE
118	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03		N/A	15	SIGNAGE, REFER TO DETAIL 2/G2.00
119	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03		N/A	16	
120	D	3' - 0"		7' - 0"	1 3/4"	HM	HM	12/AD.03	12/AD.03		N/A	15	SIGNAGE, REFER TO DETAIL 2/G2.00
121	H	3' - 0"		7' - 0"	1 3/4"	WD	HM	12/AD.03	12/AD.03		N/A	2	UNDERCUT DOOR 1"
122	C	3' - 0"	3' - 0"	7' - 0"	1 3/4"	HM	HM	9/AD.03	1/AD.03	11/AD.03	N/A	17	LOUVERS EACH DOOR. SIGNAGE, REFER TO DETAIL 3/G2.00
123	H	3' - 0"		7' - 0"	1 3/4"	WD	ALUM	17/AD.03	15/AD.03 & 17/AD.03		N/A	18	
124	G	3' - 0"	3' - 0"	7' - 0"	1 3/4"	WD	HM	12/AD.03	12/AD.03		N/A	6	

HARDWARE GROUPS

Hardware Group	Hdwr - Qty	Hdwr - Type	Hdwr - Description	Hdwr - Finish	Hdwr - Mfr	Comments
GROUP 1						
GROUP 1	2 SETS	OFFSET PIVOTS (TOP & BOTT)	TYPE & COLOR TO MATCH STOREFRONT	626	PER STOREFRONT MFR.	
GROUP 1	2 SETS	OFFSET PIVOTS (INTERMEDIATE)	TYPE & COLOR TO MATCH STOREFRONT	626	PER STOREFRONT MFR.	
GROUP 1	1	MORTISE CYLINDER	DBL. CYLINDER (MATCH STOREFRONT COLOR)	626	BEST	
GROUP 1	1	EXIT DEVICE	PANALINE II	626	KAWNEER	
GROUP 1	2	CLOSER	SAM II W/100 DEG. O.H.	626	PER STOREFRONT MFR.	
GROUP 1	2	PULL	CMT1212	STAINLESS, SATIN FINISH	FORMS & SURFACES	
GROUP 1	1	WEATHERSTRIP	CONTINUOUS ALL SIDES		PER STOREFRONT MFR.	
GROUP 1	1	THRESHOLD			KAWNEER	
GROUP 2						
GROUP 2	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGGAR	
GROUP 2	1	STORERM LOCKSET	93K7D-14D	626	BEST	
GROUP 2	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 3						
GROUP 3	1	MORTISE CYLINDER	IE74 x C181	626	BEST	
GROUP 3	1 SET	OFFSET PIVOTS (TOP & BOTT)	TYPE & COLOR TO MATCH STOREFRONT	626	KAWNEER	
GROUP 3	1	PULL	CMT1208	STAINLESS, SATIN FINISH	FORMS & SURFACES	
GROUP 3	1	CLOSER	SAM II W/100 DEG. O.H.	ALUM	KAWNEER	
GROUP 3	1	LEVER				
GROUP 3	1 SET	OFFSET PIVOTS (INTERMEDIATE)	TYPE & COLOR TO MATCH STOREFRONT	626	KAWNEER	
GROUP 3	2	DOOR SHOE				DOOR 108A ONLY
GROUP 4						
GROUP 4	1	MORTISE CYLINDER	IE74 x C181	626	BEST	
GROUP 4	2 SET	OFFSET PIVOTS (TOP & BOTT)	TYPE & COLOR TO MATCH STOREFRONT	626	KAWNEER	
GROUP 4	2 SET	OFFSET PIVOTS (INTERMEDIATE)	TYPE & COLOR TO MATCH STOREFRONT	626	KAWNEER	
GROUP 4	2	PULL	CMT1208	STAINLESS, SATIN FINISH	FORMS & SURFACES	
GROUP 4	2	CLOSER	SAM II W/100 DEG. O.H.	ALUM	KAWNEER	
GROUP 5						
GROUP 5	6	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 5	2	FLUSH BOLT	FB358	626	IVES	
GROUP 5	1	STOREROOM LOCKSET	93K7D-14D	626	BEST	
GROUP 5	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 5	1	OVERHEAD STOP	9043	630	GLYNN	
GROUP 6						
GROUP 6	6	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 6	2	FLUSH BOLTS	FB358	626	IVES	
GROUP 6	1	STOREROOM LOCKSET	93K7D-14D	626	BEST	
GROUP 6	2	DOOR STOP	1270CV	626	TRIMCO	
GROUP 7						
GROUP 7	3	BUTT HINGES	BB1191 - 4 1/2 x 4 1/2- NRP	652	HAGER	
GROUP 7	1	EXIT DEVICE	99EO	626	VON DUPRIN	
GROUP 7	1	CLOSER	7500, PUSH-SIDE MOUNT	ALUM	NORTON	
GROUP 7	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 7	1	FLOOR STOP	1214	626	TRIMCO	
GROUP 7	2	THRESHOLD	272A, 36"	626	PEMKO	
GROUP 7	1	SWEEP	36"		PEMKO	
GROUP 7	1	WEATHERSTRIP	CONTINUOUS ALL SIDES			
GROUP 8						
GROUP 8	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 8	1	CLASSROOM LOCKSET	93K7R-14D	626	BEST	
GROUP 8	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 8	1	DOOR SHOE				AT DOOR 107 ONLY
GROUP 9						
GROUP 9	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 9	1	CLASSROOM LOCKSET	93K7R-14D	626	BEST	

HARDWARE GROUPS

Hardware Group	Hdwr - Qty	Hdwr - Type	Hdwr - Description	Hdwr - Finish	Hdwr - Mfr	Comments
GROUP 9	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 9	2	MOP PLATE	8" x 34"	630	TRIMCO	
Group 10						
Group 10	6	BUTT HINGES	BB1191 - 4 1/2 x 4 1/2- NRP	652	HAGER	
Group 10	1	EXIT DEVICE	99EO	626	VON DUPRIN	
Group 10	1	CLOSER	7500 PUSH-SIDE MOUNT	ALUM	NORTON	
Group 10	1	ASTRAGAL	139SP	600	NGP	
Group 10	1	FLUSH BOLT	FB4508	626	IVES	
Group 10	2	DOOR STOP	1270CV	626	TRIMCO	
Group 10	2	MOP PLATE	190S, 8" x SIZE EA LEAF	630	PEMKO	
Group 10	1	THRESHOLD	272A, SIZE FOR OPENING	626	PEMKO	
Group 10	2	SWEEP	315C, SIZE EA LEAF		PEMKO	
Group 10	2	WEATHERSTRIP	CONTINUOUS ALL SIDES			
GROUP 11						
GROUP 11	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 11	1	CLASSROOM LOCKSET	93K7R-14D	626	BEST	
GROUP 11	1	CLOSER	7500 PULL-SIDE MOUNT	ALUM	NORTON	
GROUP 11	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 11	1	MOP PLATE	8" x 34"	630	TRIMCO	
GROUP 12						
GROUP 12	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 12	1	DOUBLE KEYED STOREROOM LOCKSET	93K7G-14D	626	BEST	
GROUP 12	1	CLOSER	7500 PULL-SIDE MOUNT	ALUM	NORTON	
GROUP 12	1	OVERHEAD STOP	9043	630	GLYNN	
GROUP 12	2	MOP PLATE	8" x 34"	630	TRIMCO	
GROUP 13						
GROUP 13	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 13	1	STOREROOM LOCKSET	93K7D-14D	626	BEST	
GROUP 13	1	OVERHEAD STOP	9043	630	GLYNN	
GROUP 13	1	MOP PLATE	8" x 34"	630	TRIMCO	
GROUP 14						
GROUP 14	6	BUTT HINGES	BB1191 - 4 1/2 x 4 1/2- NRP	652	HAGER	
GROUP 14	2	EXIT DEVICE	99OE	626	VON DUPRIN	
GROUP 14	1	MORTISE CYLINDER	IE72	626	BEST	
GROUP 14	2	CLOSER	7500, PUSH-SIDE MOUNT	ALUM	NORTON	
GROUP 14	2	DOOR STOP	1270CV	626	TRIMCO	
GROUP 15						
GROUP 15	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 15	1	PUSH	1001-3	630	TRIMCO	
GROUP 15	1	PULL	1012-3	630	TRIMCO	
GROUP 15	1	CLOSER	7500, PULL-SIDE MOUNT	ALUM	NORTON	
GROUP 15	1	KICK PLATE	190S, 10" x 34"	630	TRIMCO	
GROUP 15	1	MOP PLATE	190S, 8" x 34"	630	TRIMCO	
GROUP 15	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 16						
GROUP 16	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 16	1	STOREROOM LOCKSET	93K7D-14D	626	BEST	
GROUP 16	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 16	1	MOP PLATE	190S, 8" x 34"	630	TRIMCO	
GROUP 17						
GROUP 17	6	BUTT HINGES	BB1191 - 4 1/2 x 4 1/2- NRP	652	HAGER	
GROUP 17	2	FLUSH BOLTS	FB4508	626	IVES	
GROUP 17	1	STOREROOM LOCKSET	93K7D-14D	626	BEST	
GROUP 17	1	DOOR STOP	1270CV	626	TRIMCO	
GROUP 17	1	THRESHOLD	SIZED TO SUIT	626	TRIMCO	
GROUP 17	2	WEATHERSTRIP	CONTINUOUS ALL SIDES			
GROUP 18						
GROUP 18	3	BUTT HINGES	BB1279 - 4 1/2 x 4 1/2	652	HAGER	
GROUP 18	1	DORMATORY LOCKSET	93K7T-14D	626	BEST	
GROUP 18	1	OVERHEAD STOP	9043	630	GLYNN	

NOTES

1. ALL DOORS THAT ARE HAND-ACTIVIATED SHALL BE OPERABLE WITH A SINGLE EFFORT BY A LEVER TYPE HARDWARE, PANIC BARS, PUSH/PULL ACTIVIATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
2. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR EXTERIOR AND INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 LBLS.
3. EXIT DOORS SHALL BE FURNISHED & INSTALLED WITH HARDWARE ALLOWING DOOR TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. PAIRS OF EXIT DOORS SHALL BE FURNISHED & INSTALLED WITH APPROVED AUTOMIAC FLUSH BOLTS ON ONE OF THE DOOR LEAVES AND NO SURFACE MOUNTED HARDWARE INSTALLED ON SAME LEAF. THE UNLATCHING OF BOTH DOOR LEAVES SHALL NOT REQUIRE MORE THAN ONE OPERATION.
4. FURNISH & INSTALL A READILY VISIBLE, DURABLE SIGN ABOVE EXITY DOORS STATING "THIS DOOR MUST REMAIN UNLOCKED DURING BUSINESS HOURS". THE SIGN SHALL BE IN LETTERS NOT LESS THAN 1 INCH HIGH ON A CONTRASTING BACKGROUND. WHEN UNLOCKED, THE EXIT DOOR(S) MUST BE FREE TO SWING WITHOUT OPERATION OF ANY LATCHING DEVICE.
5. THE FINISH OF ALL ALUMINUM STOREFRONT DOOR FRAMES SHALL BE CLEAR ANODIZED, U.O.N.
6. STOREFRONT DOOR LOCKS SHALL BE FURNISHED WITH A 3/4" HOOK OR EXPANDING BOLT TO COMPLY WITH FIRE DEPARTMENT REQUIREMENTS.
7. REFER TO STOREFRONT SCHEDULE FOR GLASS TYPES.
8. REFER TO SHEET G3.00 & G3.01 FOR ACCESSIBILITY NOTES & DETAILS.
9. REFER TO DOOR FLASHING DETAILS 4/AD.03, 6/AD.03, 7/AD.03, 8/AD.03

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — GREG WILLIAM MCNEIL — C29388 — September 2015 — STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

DOOR SCHEDULE

A9.01

10/2/2014 2:54:21 PM

STOREFRONT SCHEDULE

NO.	TYPE	SIZE		FRAME		GLAZING		DETAILS				COMMENTS
		WIDTH	HEIGHT	MATERIAL	FINISH	OPERABLE	FIXED	HEAD	JAMB	SILL	MULLION	
S1	A	12' - 0"	9' - 0"	ALUM.	CLR. ANOD.	-	1" INSUL.	1/AD.04	5/AD.04	7/AD.04	8/AD.04	
S2	B	6' - 0"	10' - 7"	ALUM.	CLR. ANOD.	-	1" INSUL.	3/AD.04	17/AD.04	4/AD.04	8/AD.04	SHADING DEVICE DETAIL 17/AD.06
S3	B	6' - 0"	10' - 7"	ALUM.	CLR. ANOD.	-	1" INSUL.	1/AD.03	5/AD.04	2/AD.04	8/AD.04	SHADING DEVICE DETAIL 17/AD.06
S4	G	4' - 0"	4' - 2"	ALUM.	CLR. ANOD.	-	1" INSUL.	3/AD.04	17/AD.04	4/AD.04	8/AD.04	
S5	H	12' - 0"	3' - 9"	ALUM.	CLR. ANOD.		1"INSUL.	3/AD.04	17/AD.04	4/AD.04	8/AD.04	
S6	H	12' - 0"	3' - 9"	ALUM.	CLR. ANOD.	-	1" INSUL.	3/AD.04	17/AD.04	4/AD.04	8/AD.04	
S7	H	12' - 0"	3' - 9"	ALUM.	CLR. ANOD.		1"INSUL.	3/AD.04	17/AD.04	4/AD.04	8/AD.04	LAMINATED GLASS
S8	B	6' - 0"	10' - 7"	ALUM.	CLR. ANOD.	-	1" INSUL.	1/AD.03	5/AD.04	2/AD.04	8/AD.04	SHADING DEVICE DETAIL 17/AD.06
S9	H	12' - 0"	3' - 9"	ALUM.	CLR. ANOD.	-	1" INSUL.	1/AD.03	5/AD.04	2/AD.04	8/AD.04	
S10	H	12' - 0"	3' - 9"	ALUM.	CLR. ANOD.	-	1" INSUL.	1/AD.03	5/AD.04	2/AD.04	8/AD.04	
S11	H	12' - 0"	3' - 9"	ALUM.	CLR. ANOD.	-	1" INSUL.	1/AD.03	5/AD.04	2/AD.04	8/AD.04	
S12	E	8' - 0"	9' - 0"	ALUM.	CLR. ANOD.	-	1" INSUL.	6/AD.04	6/AD.04	7/AD.04	8/AD.04	
S13	D	6' - 0"	9' - 0"	ALUM.	CLR. ANOD.	-	1" INSUL.	6/AD.04	6/AD.04	7/AD.04	8/AD.04	
S14	D	6' - 0"	9' - 0"	ALUM.	CLR. ANOD.	-	1" INSUL.	6/AD.04	6/AD.04	7/AD.04	8/AD.04	
S15	K	4' - 0"	4' - 2"	ALUM.	CLR. ANOD.	-	1" INSUL.	6/AD.04	6/AD.04	6/AD.04	8/AD.04	LAMINATED GLASS
S16	F	9' - 0"	9' - 0"	ALUM.	CLR. ANOD.	-	1" INSUL.	6/AD.04	6/AD.04	7/AD.04	8/AD.04	LAMINATED GLASS
S17	C	5' - 6"	7' - 2"	ALUM.	CLR. ANOD.	-	1"INSUL.	6/AD.04	6/AD.04	7/AD.04	8/AD.04	
S18	G	4' - 0"	4' - 2"	ALUM.	CLR. ANOD.	-	1" INSUL.	6/AD.04	6/AD.04	7/AD.04	8/AD.04	

NOTES

A. ALL GLAZING SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OF CHAPTER 24 OF THE CALIFORNIA STATE BUILDING CODE OF REGULATIONS AND THE CONSUMER PRODUCTS SAFETY COUNCIL, THAT OCCUR IN THE FOLLOWING CONDITIONS:

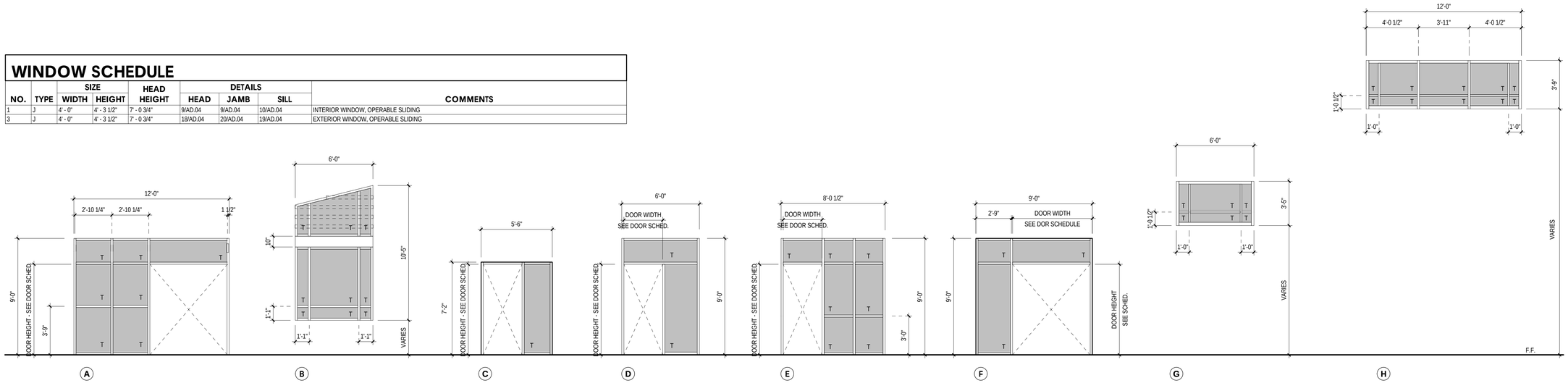
1. INGRESS AND EGRESS DOORS (EXCEPT JALOUSIES).
2. FIXED AND SLIDING PANELS OF SLIDNG DOOR ASSEMBLIES AND PANELS IN SWINGING DOORS OTHER THAN WARDROBE.
3. FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE.
4. GLAZING IN INDIVDUAL FIZED OR OPERABLE PANEL, OTHER THAT THOSE LOCATIONS DESCRIBED IN #3 ABOVE, THAT MEETS ALL THE FOLLOWING CONDITIONS: A. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAT 9 SQ. FT.; B. EXPOSED BOTTOM EDGE LESS THAN 18 " ABOVE THE FLOOR; C. EXPOSED TOP EDGE GREATER 36" ABOVE THE FLOOR; D. ONE OR MORE WALKING SURFACES WITHIN 36" HORIZONTAL OF THE PLANE OF THE GLAZING.

B. ALUMINUM WINDOW FRAMES SHALL BE 2" MAX. WIDTH BY 6" DEEP MULLIONS WITH OUTSIDE GLAZED SETTING.

C. ALL GLAZING SHALL BE 1" INSUL. GLASS.

WINDOW SCHEDULE

NO.	TYPE	SIZE		HEAD HEIGHT	DETAILS			COMMENTS
		WIDTH	HEIGHT		HEAD	JAMB	SILL	
1	J	4' - 0"	4' - 3 1/2"	7' - 0 3/4"	9/AD.04	9/AD.04	10/AD.04	INTERIOR WINDOW, OPERABLE SLIDING
3	J	4' - 0"	4' - 3 1/2"	7' - 0 3/4"	18/AD.04	20/AD.04	19/AD.04	EXTERIOR WINDOW, OPERABLE SLIDING



LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
GENE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

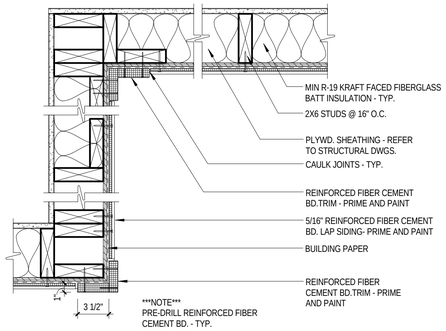
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

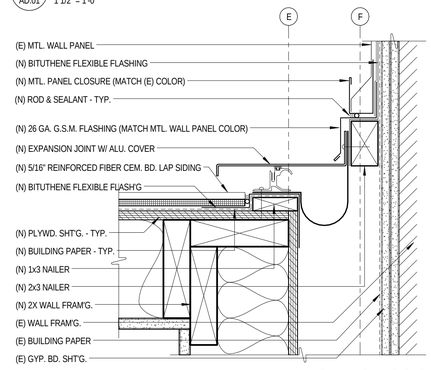
STOREFRONT SCHEDULE

A9.02

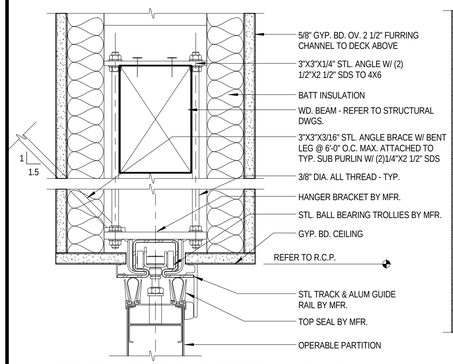
10/1/2014 03:28 PM



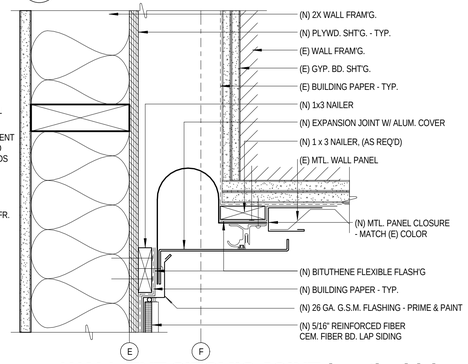
13 REINF. FIBER CEM. BD. CORNERS
AD.01 — 1 1/2" = 1'-0"



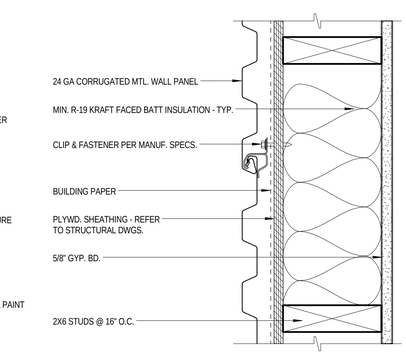
14 WALL EXT SIESMIC JOINT (north side)
AD.01 — 3" = 1'-0"



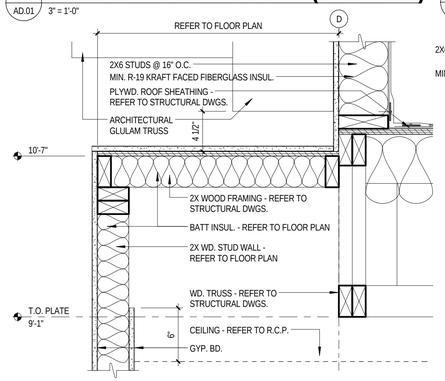
19 OPERABLE PARTITION HEAD
AD.01 — 3" = 1'-0"



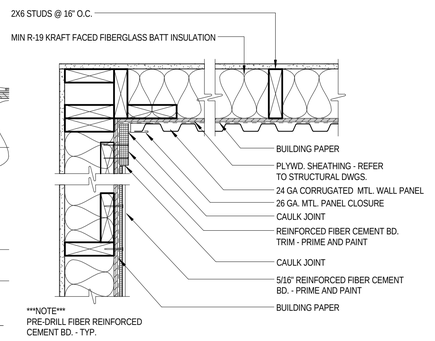
15 WALL EXT SIESMIC JOINT (south side)
AD.01 — 3" = 1'-0"



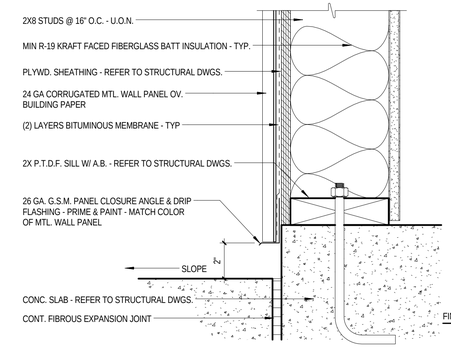
11 MTL. WALL SIDING (plan)
AD.01 — 3" = 1'-0"



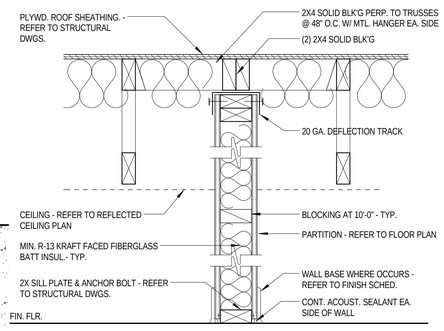
16 WALL RETURN
AD.01 — 1 1/2" = 1'-0"



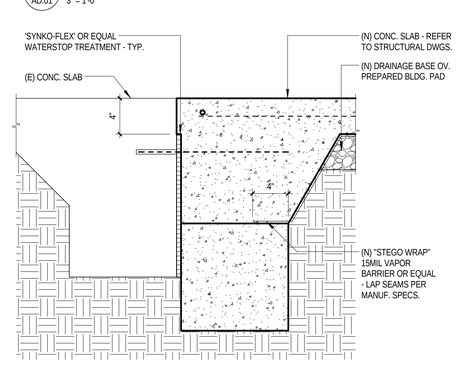
12 CEMENT BD. TO METAL WALL SIDING
AD.01 — 1 1/2" = 1'-0"



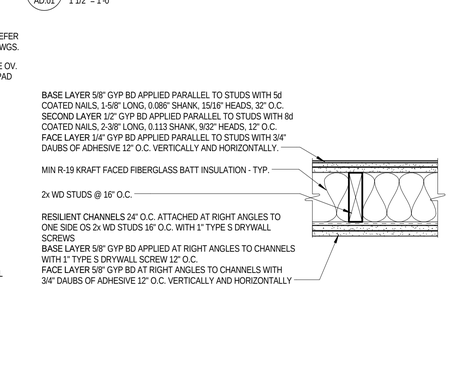
5 MTL. SIDING
AD.01 — 3" = 1'-0"



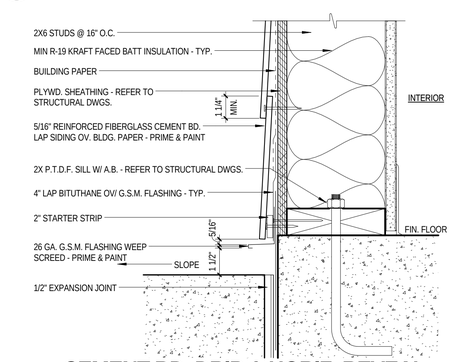
1 TYPICAL FULL HT WALL
AD.01 — 1 1/2" = 1'-0"



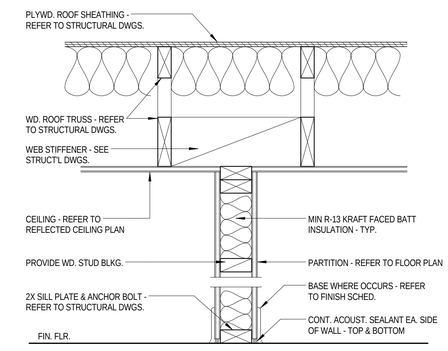
6 CONC. COLD JOINT
AD.01 — 1 1/2" = 1'-0"



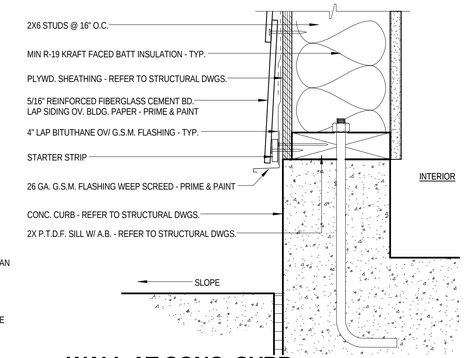
2 STC 54-59 WALL
AD.01 — 1 1/2" = 1'-0"



3 CEMENT BD. DRIP & HORIZ. REVEAL
AD.01 — 3" = 1'-0"



8 TYPICAL PARTITION
AD.01 — 1 1/2" = 1'-0"



4 WALL AT CONC. CURB
AD.01 — 3" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C28388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

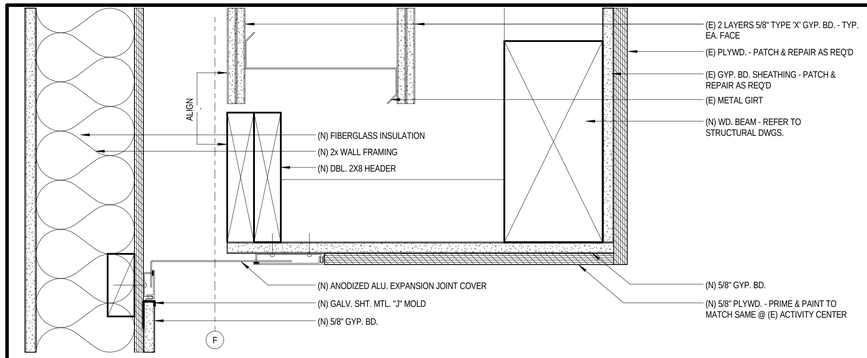
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

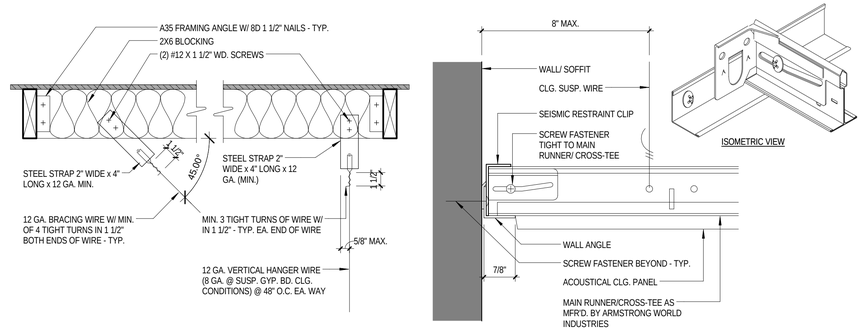
DETAILS (WALL)

AD.01

2015-04-15 03:19 PM

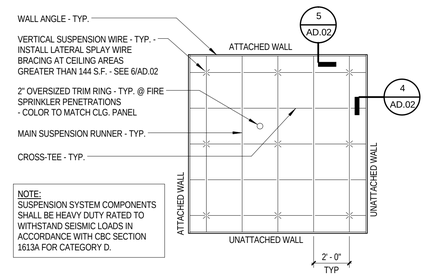


17 CEILING EXPANSION JOINT
17 AD.02 3" = 1'-0"

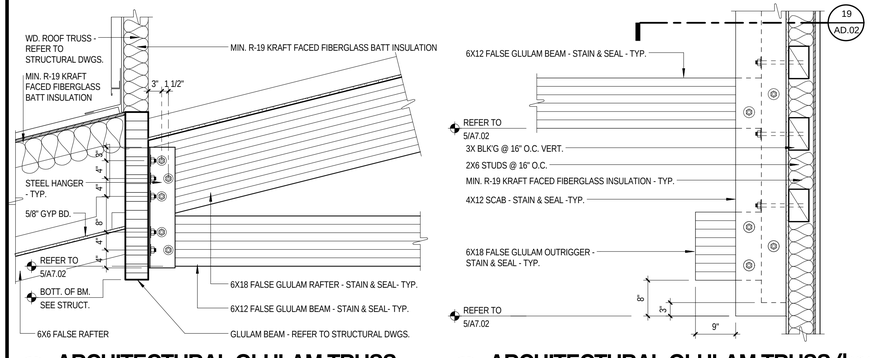


9 ACOUST. CEILING DIAG. BRACE
9 AD.02 1 1/2" = 1'-0"

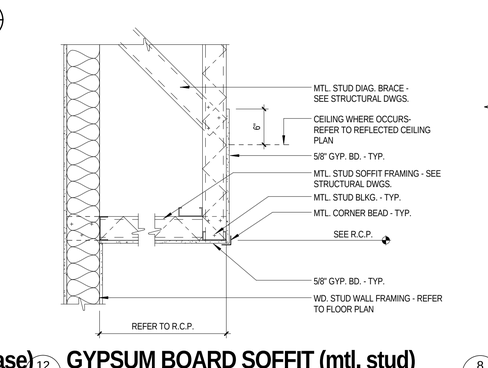
5 SUSP. CLG. ATTACHED WALL ANGLE
5 AD.02 6" = 1'-0"



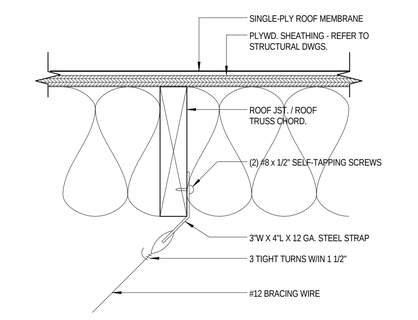
1 TYP. SUSP. ACOUST. PANEL CEILING
1 AD.02 1/4" = 1'-0"



18 WALL EXPANSION JOINT
18 AD.02 3" = 1'-0"



10 AXIOM TRIM @ CEILING TRANSITION
10 AD.02 3" = 1'-0"



6 SUSPENDED CEILING T-BAR GRID
6 AD.02 1/2" = 1'-0"

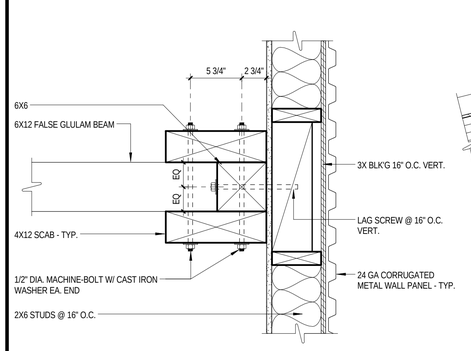
VERTICAL SUPPORT:
12 GAUGE WIRES 4' ON CENTER WITHIN 8" OF EACH WALL.
HANGER WIRES TO BE WITHIN 1.6 OF PLUMB UNLESS COUNTER SLOPING WIRES ARE PROVIDED.

LATERAL BRACING:
12 GAUGE WIRE, 4 WIRES SECURED WITHIN 2" OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90° FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING. A STRUT FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURE MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THESE 4 WIRE BRACING POINTS TO BE WITHIN 6' OF EACH WALL AND 12' O.C. IN EACH DIRECTION. FOR TILE CEILINGS, ENDS OF MAIN RUNNERS AND CROSS MEMBERS SHALL BE TIED TOGETHER TO PREVENT THEIR SPREADING.

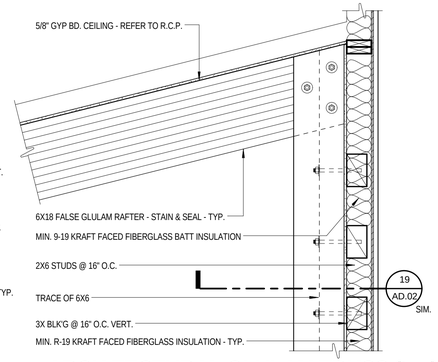
LIGHTING FIXTURES ("Intermediate" systems)
ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. NO. 12 GAUGE HANGERS SHALL BE ATTACHED TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE. IN ADDITION TO THE ABOVE, PROVIDE TWO NO. 12 GAUGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK. REFER TO DETAIL 7/AD.02

MECHANICAL SERVICES:
CEILING MOUNTED AIR TERMINALS WIGHING LESS THAN 20 POUNDS SHALL BE POSITIVELY ATTACHED TO THE CEILING RUNNERS. TERMINALS WEIGHING MORE THAN 20 POUNDS SHALL BE INSTALLED AS PER LIGHT FIXTURE.

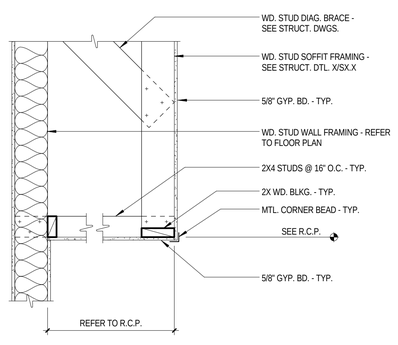
REFERENCE:
CBC 803.9.1.1, CBC 1613A, ASCE 7-05 CHAPTER 13, ASTM 635, ASTM 636, ICC ES REPORT, AND MANUFACTURER'S SPECIFICATIONS.



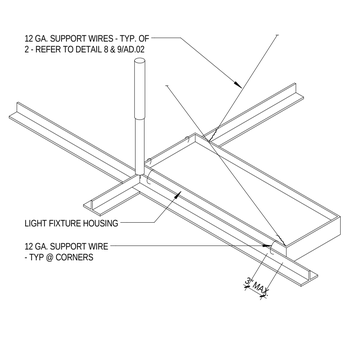
19 TYP. CONNECTION @ GLULAM TRUSS
19 AD.02 1 1/2" = 1'-0"



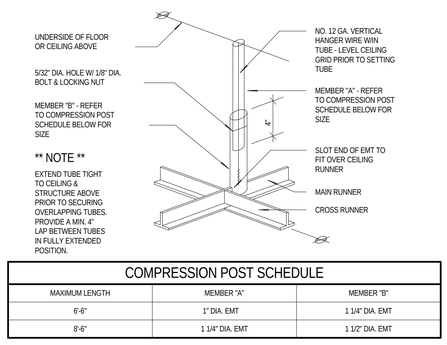
15 ARCHITECTURAL GLULAM TRUSS (top)
15 AD.02 3/4" = 1'-0"



11 GYPSUM BOARD SOFFIT
11 AD.02 1" = 1'-0"



7 LIGHT FIXTURE ANCHORAGE
7 AD.02 1/2" = 1'-0"



COMPRESSION POST SCHEDULE		
MAXIMUM LENGTH	MEMBER "A"	MEMBER "B"
6'-6"	1" DIA. EMT	1 1/4" DIA. EMT
8'-6"	1 1/4" DIA. EMT	1 1/2" DIA. EMT

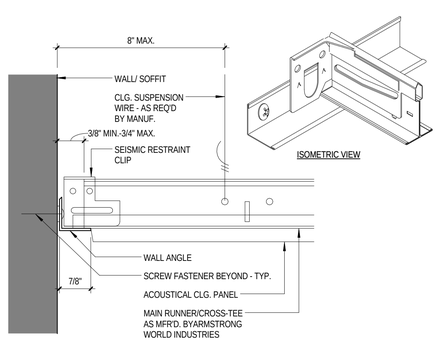
3 COMPRESSION POST
3 AD.02 1" = 1'-0"

20 ARCHITECTURAL GLULAM TRUSS
20 AD.02 3/4" = 1'-0"

16 ARCHITECTURAL GLULAM TRUSS (base)
16 AD.02 3/4" = 1'-0"

12 GYPSUM BOARD SOFFIT (mtl. stud)
12 AD.02 1" = 1'-0"

8 T-BAR SPLAY BRACE
8 AD.02 3" = 1'-0"



4 SUSP. CLG. 'FLOAT' WALL ANGLE
4 AD.02 6" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
WILLIAM M. WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

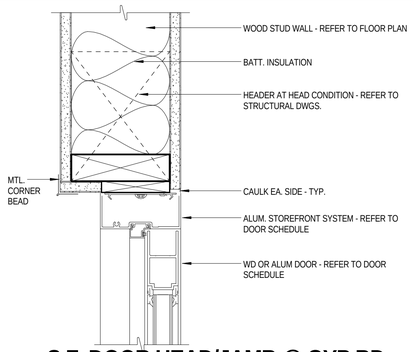
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

DETAILS (CEILING)

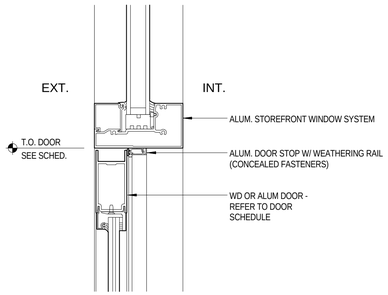
AD.02

2/3/2014 5:03:29 PM



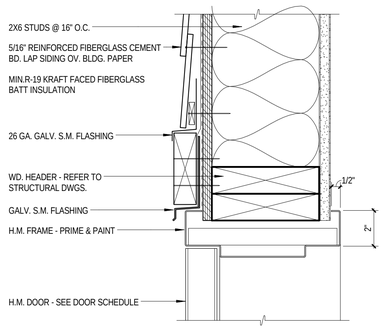
17 AD.03 S.F. DOOR HEAD/JAMB @ GYP BD

3" = 1'-0"



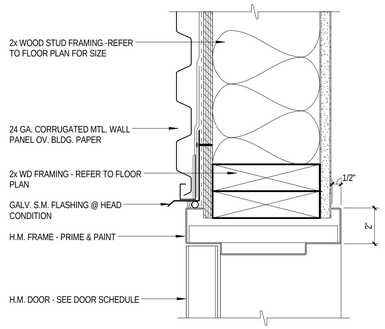
13 AD.03 S.F. DOOR HEAD @ TRANSOM

3" = 1'-0"



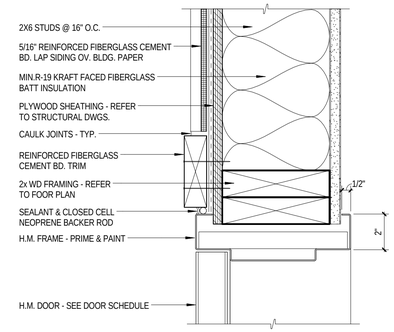
9 AD.03 H.M. DOOR HEAD @ CEM. BD.

3" = 1'-0"



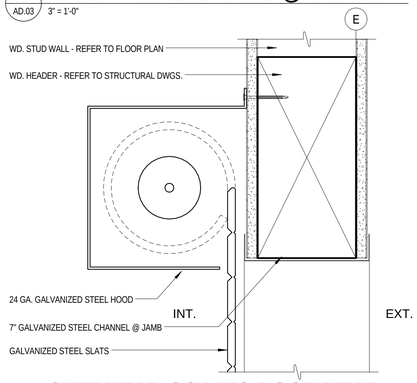
5 AD.03 H.M. DOOR JAMB @ MTL. SIDING

3" = 1'-0"



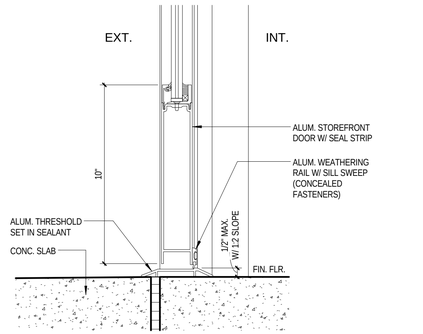
1 AD.03 H.M. DOOR JAMB @ CEM. BD.

3" = 1'-0"



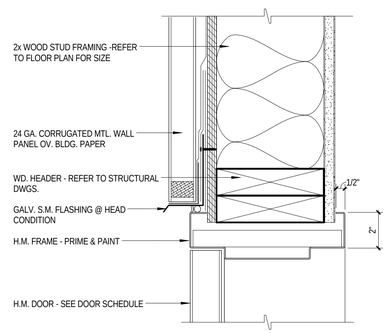
18 AD.03 OVERHEAD COILING DOOR HEAD

3" = 1'-0"



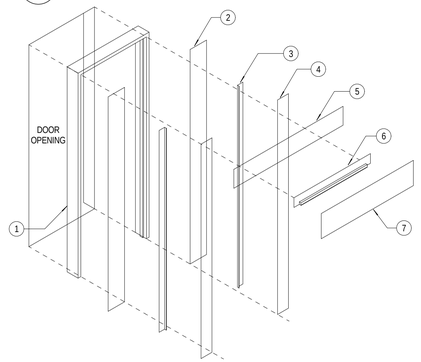
14 AD.03 S.F. DOOR THRESHOLD

3" = 1'-0"



10 AD.03 H.M. DOOR HEAD @ MTL. SIDING

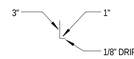
3" = 1'-0"



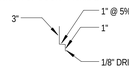
6 AD.03 TYP. DOOR FLASHING SEQUENCE

1/2" = 1'-0"

1) DOOR - SEE DOOR SCHEDULE
2) FLEXIBLE BITUMINOUS BASE JAMB FLASHING PER MANUF. SPECIFICATIONS
3) FLEXIBLE FLASHING - HGT. OF DOOR - PRIME & PAINT - TYP.



4) FLEXIBLE BITUMINOUS JAMB FLASHING PER MANUF. SPECIFICATIONS
5) BITUMINOUS BASE HEAD FLASHING PER MANUF. SPECIFICATIONS
6) FLEXIBLE FLASHING W/ SOLDERED 'END DAMS' - WIDTH OF DOOR - PRIME & PAINT - SEE 4/AD.03



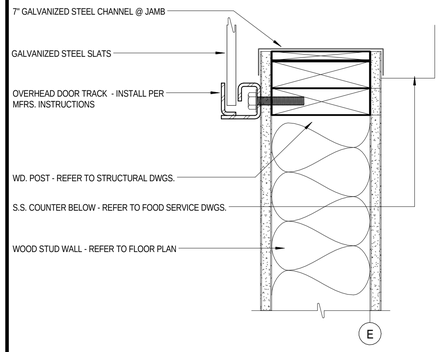
7) FLEXIBLE BITUMINOUS HEAD FLASHING PER MANUF SPECIFICATIONS

NOTE
LAP ALL SHEET METAL FLASHINH 3" (MIN.) W/ BITUMINOUS MEMBRANE FLASHING-TYP. U.O.N.

NOTE
INTEGRATE WINDOW FLASHING WEATHER-BOARD FASHION AT HEAD, JAMB, & SILL W/ BUILDING PAPER PER MANUF. SPECIFICATIONS

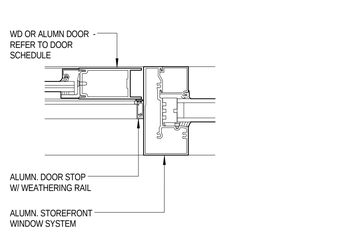
*** NOTE ***
FLASHING DETAILS ARE DIAGRAMATIC. ALL FLASHING SHALL BE CONSTRUCTED IN ACCORDANCE W/ SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) MANUAL

*** NOTE ***
FLASHING SEQUENCE IS DIAGRAMATIC. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIDTH & LAP DIMENSIONS OF BITUMINOUS FLASHING, BUILDING PAPER AND SEALANT.



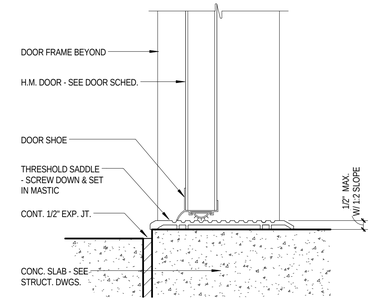
19 AD.03 OVERHEAD COILING DOOR JAMB

3" = 1'-0"



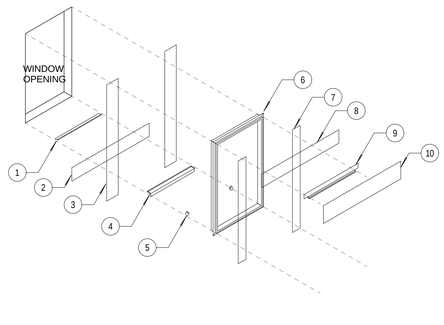
15 AD.03 S.F. DOOR JAMB AT SIDELIGHT

3" = 1'-0"



11 AD.03 H.M. DOOR THRESHOLD

3" = 1'-0"



1) 1/2"X2"xOPENING WIDTH 24GA. GALV. SHT. MTL. SILL DAM
2) BITUMINOUS BASE SILL FLASHING PER MANUF. SPECIFICATIONS
3) BITUMINOUS BASE JAMB FLASHING PER MANUF. SPECIFICATIONS
4) G.S.M. SILL DAM FLASHING - LEG UP ON THREE SIDES - SEE DTL. 8/AD.03
5) BITUMINOUS CIRCLE CORNER FLASHING - TYP. @ SILL INSIDE & OUTSIDE CORNERS
6) WINDOW - EMBED IN CONT. BEAD OF SEALANT - SEAL FASTENERS - PER MANUF. SPECIFICATIONS
7) BITUMINOUS JAMB FLASHING PER MANUF. SPECIFICATIONS
8) BITUMINOUS BASE HEAD FLASHING PER MANUF. SPECIFICATIONS
9) 24GA. GALV. SHT. MTL. FLASHING W/ SOLDERED 'END DAMS' - WIDTH OF WINDOW - PRIME & PAINT BLDG. COLOR - TYP. SEE DTL. 4/AD.03

10) BITUMINOUS HEAD FLASHING PER MANUF. SPECIFICATIONS
11) INTEGRATE WINDOW FLASHING WEATHER-BOARD FASHION AT HEAD & SILL W/ BUILDING PAPER PER MANUF. SPECIFICATIONS

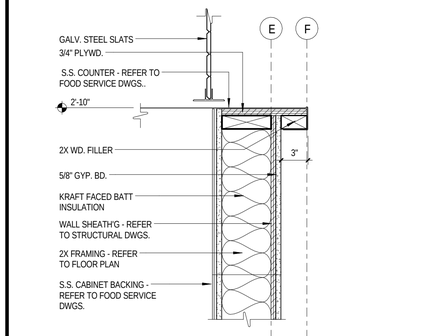
*** NOTE ***
FLASHING SEQUENCE IS DIAGRAMATIC. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIDTH & LAP DIMENSIONS OF BITUMINOUS FLASHING, BUILDING PAPER AND SEALANT.

*** NOTE ***
LAP ALL SHEET METAL FLASHING 3" (MIN.) W/ BITUMINOUS MEMBRANE FLASHING. -TYP. U.O.N.

*** NOTE ***
FLASHING DETAILS ARE DIAGRAMATIC. ALL FLASHING SHALL BE CONSTRUCTED IN ACCORDANCE W/ SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) MANUAL

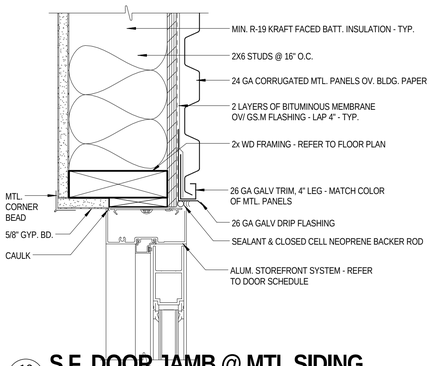
7 AD.03 TYP. WINDOW FLASHING SEQUENCE

1" = 1'-0"



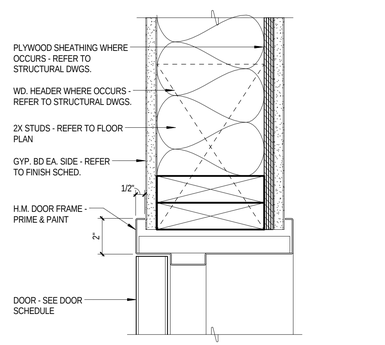
20 AD.03 SERVICE COUNTER TO (E) MTL. BLDG.

1 1/2" = 1'-0"



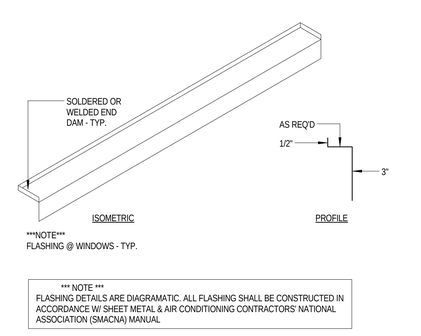
16 AD.03 S.F. DOOR JAMB @ MTL SIDING

3" = 1'-0"



12 AD.03 H.M. DOOR HEAD/ JAMB @ GYP. BD.

3" = 1'-0"

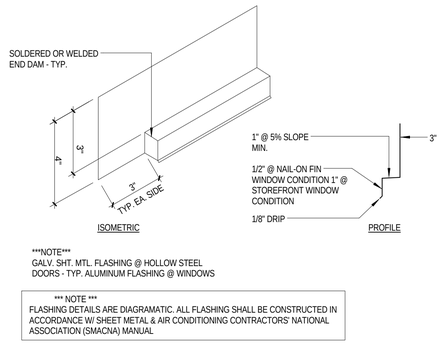


NOTE
FLASHING @ WINDOWS - TYP.

*** NOTE ***
FLASHING DETAILS ARE DIAGRAMATIC. ALL FLASHING SHALL BE CONSTRUCTED IN ACCORDANCE W/ SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) MANUAL

8 AD.03 TYP. WINDOW SILL FLASHING

3" = 1'-0"



NOTE
GALV. SHT. MTL. FLASHING @ HOLLOW STEEL DOORS - TYP. ALUMINUM FLASHING @ WINDOWS

*** NOTE ***
FLASHING DETAILS ARE DIAGRAMATIC. ALL FLASHING SHALL BE CONSTRUCTED IN ACCORDANCE W/ SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) MANUAL

4 AD.03 TYP. OPENING HEAD FLASHING

3" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: Author
Checked By: Checker

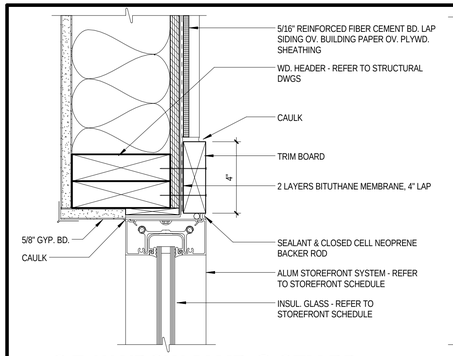
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

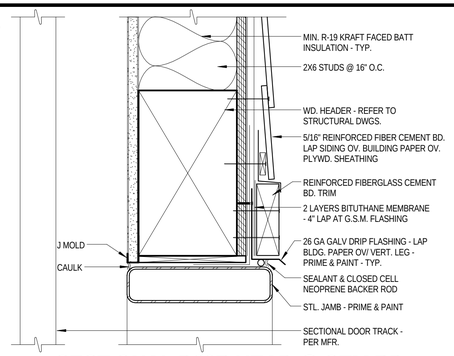
DETAILS (DOOR & WINDOW)

AD.03

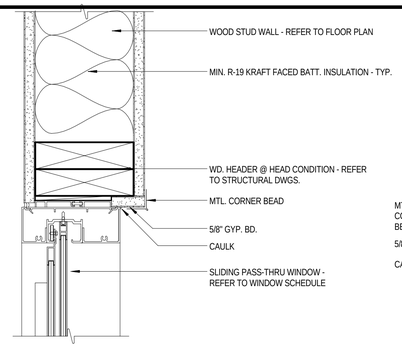
10/1/2014 4:03:28 PM



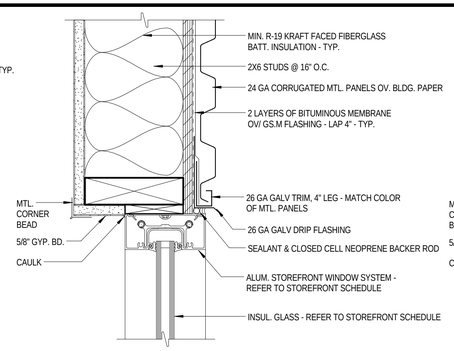
17 AD.04 **S.F. WINDOW JAMB @ CEM BD**
3" = 1'-0"



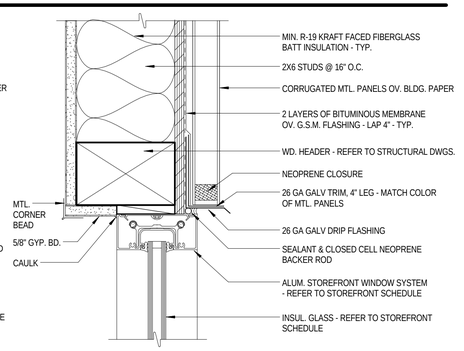
13 AD.04 **SECTIONAL D00R HEAD @ CEM BD**
3" = 1'-0"



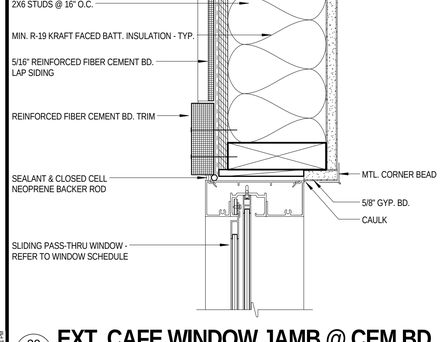
9 AD.04 **CAFE WINDOW HEAD/JAMB @ GYP BD**
3" = 1'-0"



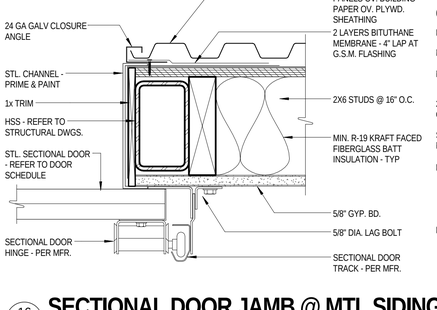
5 AD.04 **S.F. WINDOW JAMB @ MTL SIDING**
3" = 1'-0"



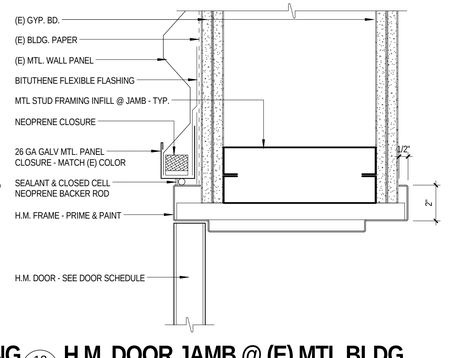
1 AD.04 **S.F. WINDOW HEAD @ MTL SIDING**
3" = 1'-0"



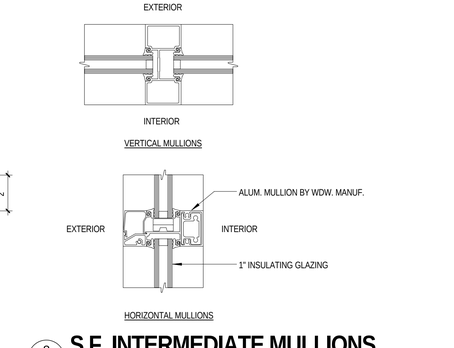
18 AD.04 **EXT. CAFE WINDOW HEAD @ CEM BD**
3" = 1'-0"



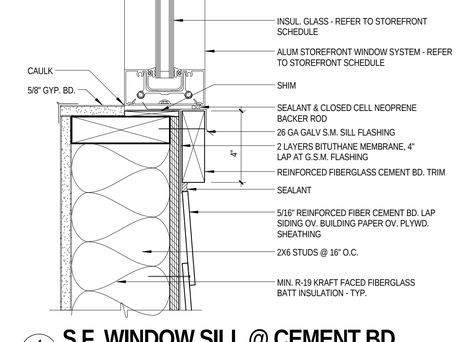
14 AD.04 **SECTIONAL D00R JAMB @ CEM BD**
3" = 1'-0"



10 AD.04 **CAFE WINDOW SILL**
3" = 1'-0"



6 AD.04 **S.F. WIN. HEAD/JAMB/SILL @ GYP BD**
3" = 1'-0"



2 AD.04 **S.F. WINDOW SILL @ MTL SIDING**
3" = 1'-0"

19 AD.04 **EXT. CAFE WINDOW SILL @ CEM BD**
3" = 1'-0"

15 AD.04 **SECTIONAL DOOR HEAD @ MTL SIDING**
3" = 1'-0"

11 AD.04 **H.M. DOOR HEAD @ (E) MTL BLDG**
3" = 1'-0"

7 AD.04 **S.F. WINDOW SILL**
3" = 1'-0"

3 AD.04 **S.F. WINDOW HEAD @ CEMENT BD.**
3" = 1'-0"

20 AD.04 **EXT. CAFE WINDOW JAMB @ CEM BD**
3" = 1'-0"

16 AD.04 **SECTIONAL DOOR JAMB @ MTL SIDING**
3" = 1'-0"

12 AD.04 **H.M. DOOR JAMB @ (E) MTL BLDG**
3" = 1'-0"

8 AD.04 **S.F. INTERMEDIATE MULLIONS**
3" = 1'-0"

4 AD.04 **S.F. WINDOW SILL @ CEMENT BD.**
3" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29288
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

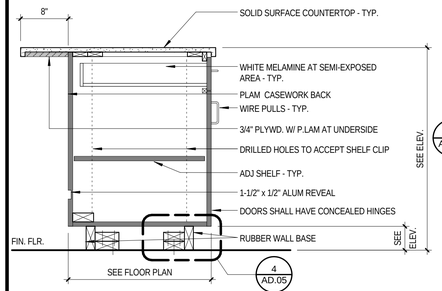
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

DETAILS (DOOR & WINDOW)

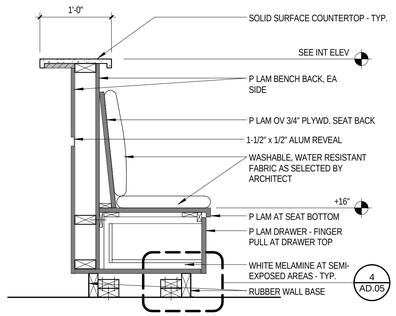
AD.04

2/27/2015 1:03:51 PM



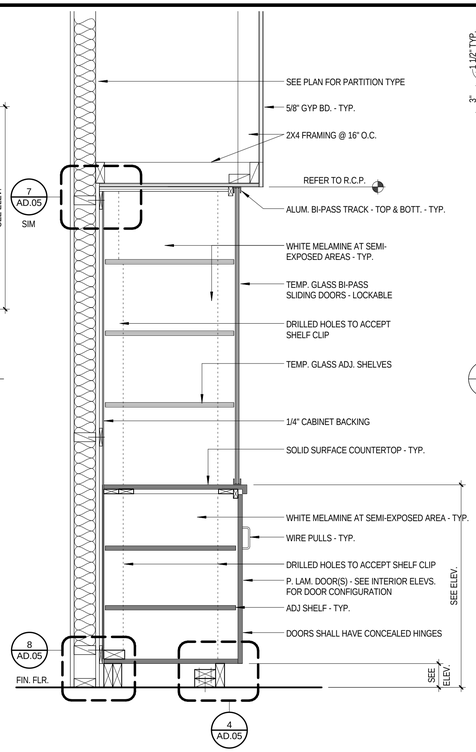
17 AD.05 CASEWORK @ LOBBY/GAME ROOM

1" = 1'-0"



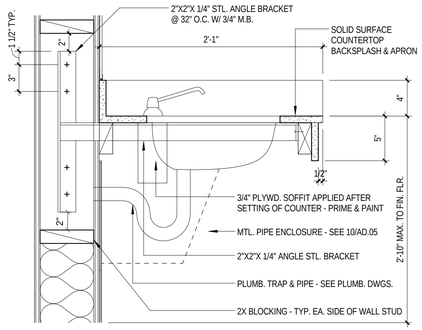
18 AD.05 UPHOLSTERED BENCH @ GAME RM.

1" = 1'-0"



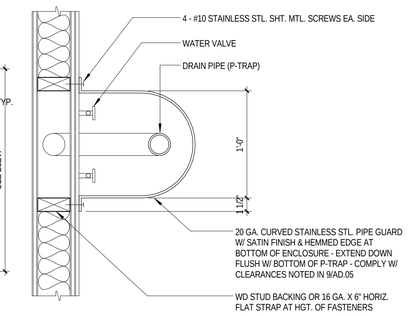
14 AD.05 DISPLAY CABINET SECTION

1" = 1'-0"



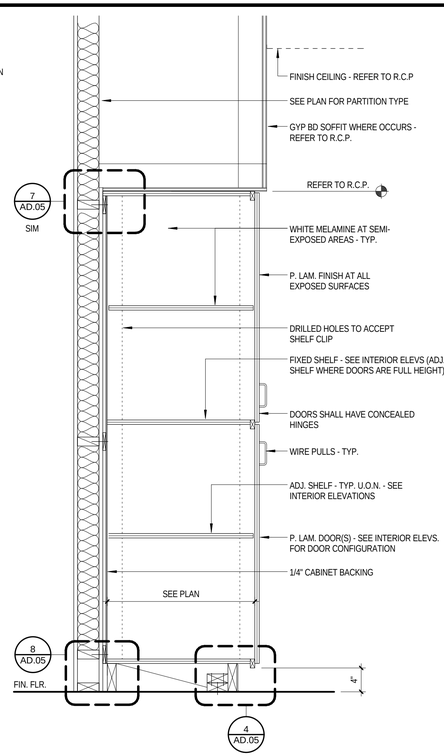
9 AD.05 LAVATORY COUNTER.

1 1/2" = 1'-0"



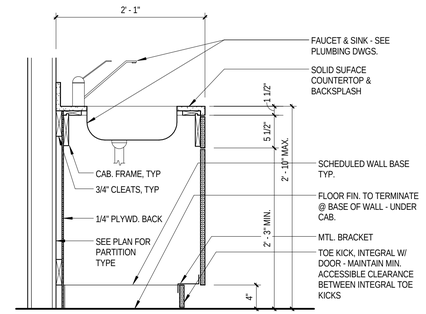
10 AD.05 LAVATORY PIPE ENCLOSURE

1 1/2" = 1'-0"



6 AD.05 FULL HT. CASEWORK SECTION

1" = 1'-0"

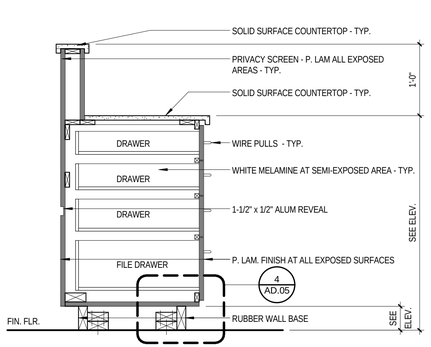


1 AD.05 ACCESSIBLE BASE CABINET AT SINK

1" = 1'-0"

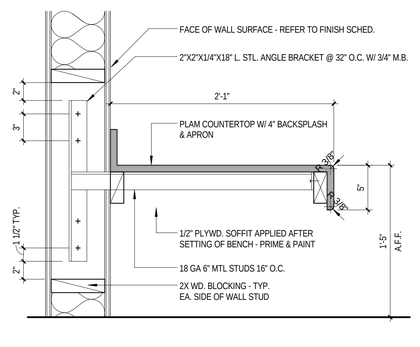
19 AD.05 GRAB BAR

3" = 1'-0"



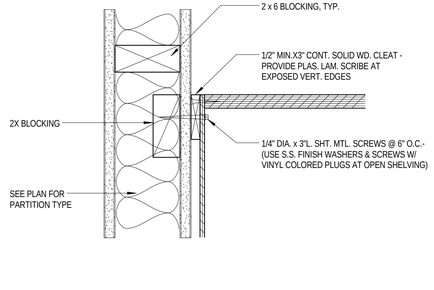
15 AD.05 RECEPTION CASEWORK

1" = 1'-0"



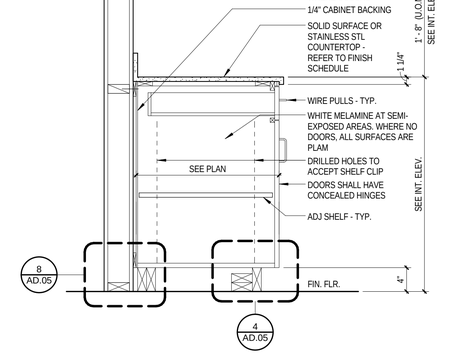
11 AD.05 STUDY COUNTER

1 1/2" = 1'-0"



7 AD.05 UPPER CABINET ANCHORAGE

3" = 1'-0"

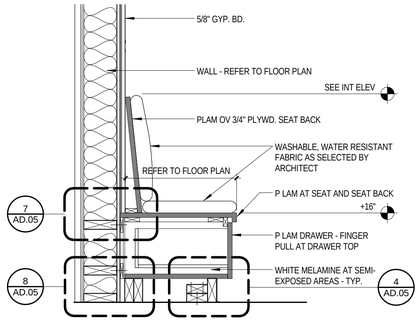


3 AD.05 BASE & UPPER CABINETS SECTION

1" = 1'-0"

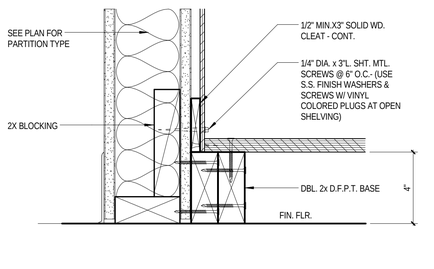
16 AD.05 CASEWORK @ MULTI-MEDIA BAR

1" = 1'-0"



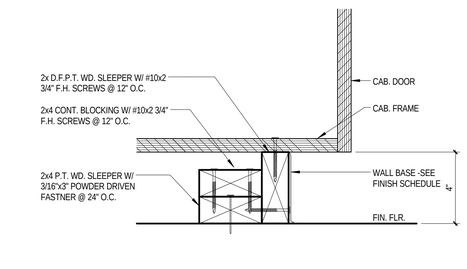
12 AD.05 UPHOLSTERED BENCH @ QUIET RM.

1" = 1'-0"



8 AD.05 BASE CABINET ANCHOR AT WALL

3" = 1'-0"



4 AD.05 BASE CABINET ANCHOR AT TOE KICK.

3" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
GREG WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

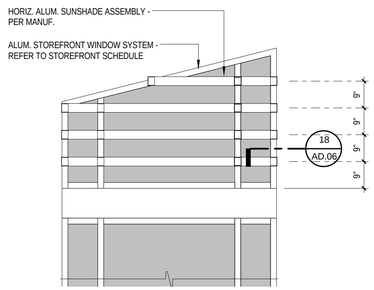
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

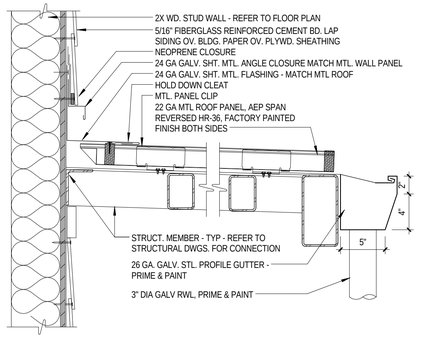
DETAILS (CASEWORK)

AD.05

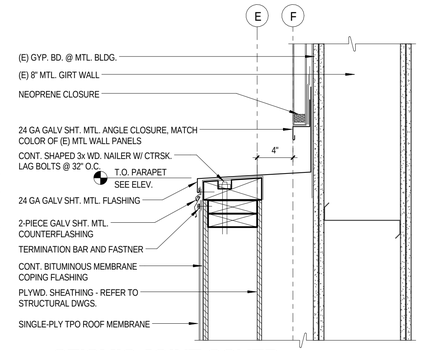
©2015 LDA partners



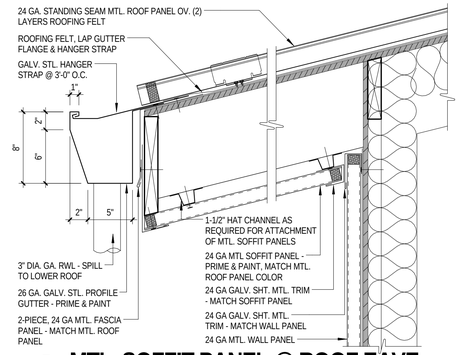
17 AD.06 HORIZ. SUNSHADE @ S.F. (elev.)
1/2" = 1'-0"



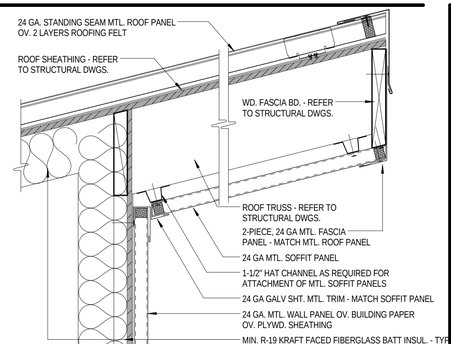
13 AD.06 STL. CANOPY @ CEM. BD. WALL
1 1/2" = 1'-0"



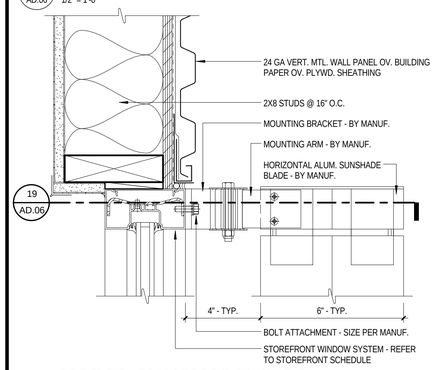
9 AD.06 SEISMIC JOINT COVER
1 1/2" = 1'-0"



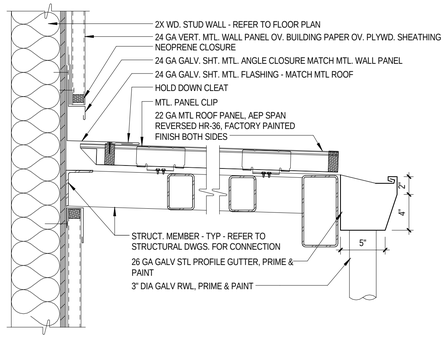
5 AD.06 MTL. SOFFIT PANEL @ ROOF EAVE
1 1/2" = 1'-0"



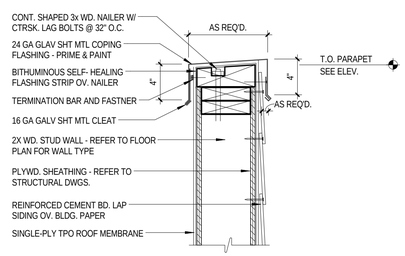
1 AD.06 MTL. SOFFIT PANEL @ CLERESTORY
1 1/2" = 1'-0"



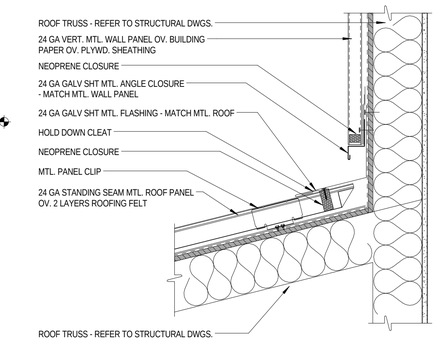
18 AD.06 HORIZ. SUNSHADE @ S.F. (plan)
3" = 1'-0"



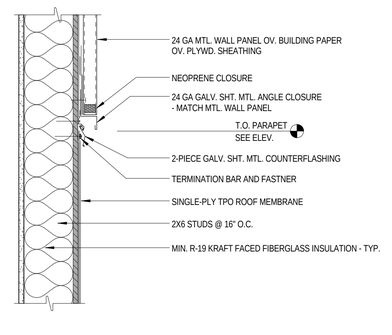
14 AD.06 STL. CANOPY @ MTL. PANEL WALL
1 1/2" = 1'-0"



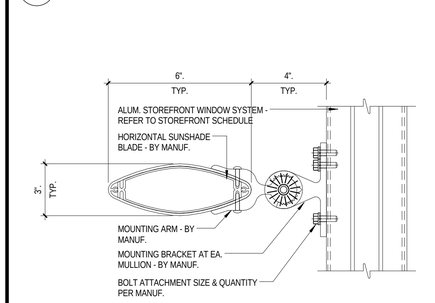
10 AD.06 PARAPET CAP
1 1/2" = 1'-0"



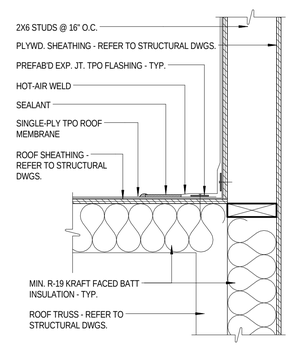
6 AD.06 CLERESTORY WALL TO LOWER ROOF
1 1/2" = 1'-0"



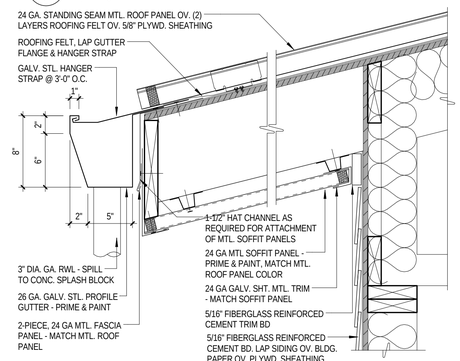
2 AD.06 ROOF TO WALL FLASHING
1 1/2" = 1'-0"



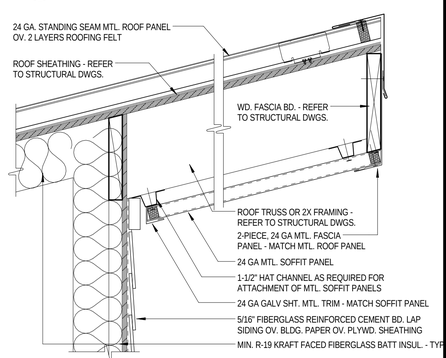
19 AD.06 HORIZ. SUNSHADE @ S.F. (section)
3" = 1'-0"



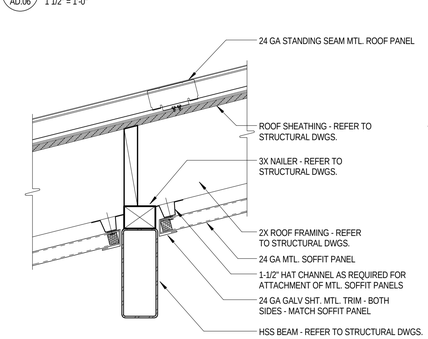
11 AD.06 SINGLE-PLY ROOFING @ PARAPET
1 1/2" = 1'-0"



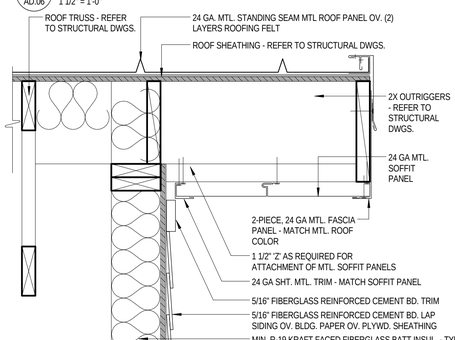
7 AD.06 MTL. SOFFIT PANEL @ ROOF EAVE.
1 1/2" = 1'-0"



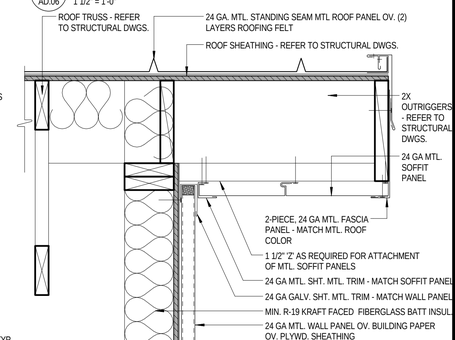
3 AD.06 MTL. SOFFIT PANEL @ ROOF EAVE
1 1/2" = 1'-0"



12 AD.06 MTL. SOFFIT PANEL @ HSS BEAM
1 1/2" = 1'-0"



8 AD.06 RAKE @ CEMENT BD.
1 1/2" = 1'-0"



4 AD.06 RAKE @ MTL. SIDING
1 1/2" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
STEVE WILLIAM WOHLE
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: MG
Checked By: EW

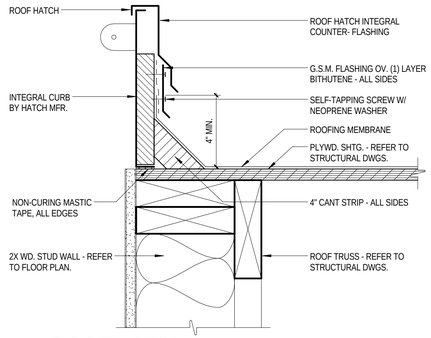
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

DETAILS (ROOF)

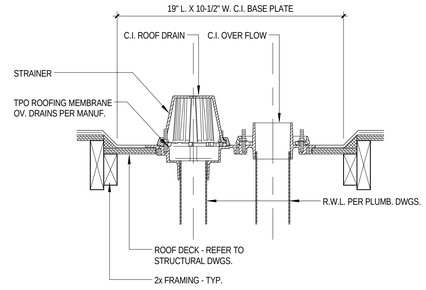
AD.06

10/1/2014 5:31:17 PM



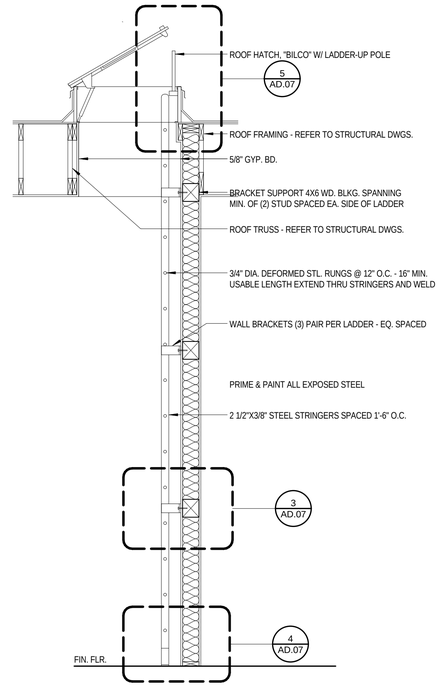
5 AD.07 **ROOF HATCH**

3" = 1'-0"



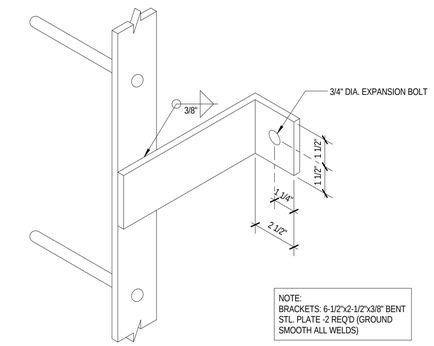
6 AD.07 **ROOF DRAIN & OVERFLOW**

1 1/2" = 1'-0"



2 AD.07 **ROOF ACCESS LADDER**

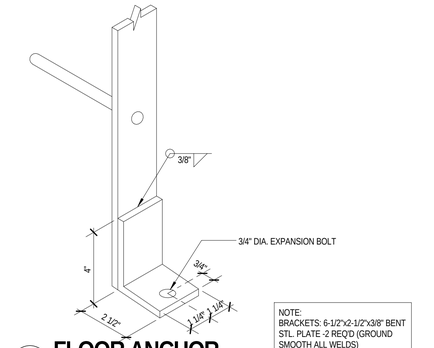
1/2" = 1'-0"



NOTE:
BRACKETS: 6-1/2"x2-1/2"x3/8" BENT STL. PLATE -2 REQ'D (GROUND SMOOTH ALL WELDS)

3 AD.07 **STEEL LADDER WALL ANCHOR**

3" = 1'-0"



NOTE:
BRACKETS: 6-1/2"x2-1/2"x3/8" BENT STL. PLATE -2 REQ'D (GROUND SMOOTH ALL WELDS)

4 AD.07 **FLOOR ANCHOR**

3" = 1'-0"

10/2/2014 4:03:19 PM

LDA partners LLP
lesovsky•donaldson•zagaroli•wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C29388
September 2015
STATE OF CALIFORNIA

Consultant:

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

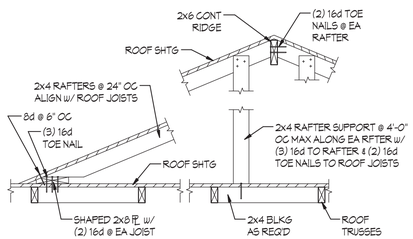
Project No.: 635-1-12
Drawn By: Author
Checked By: Checker

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

BID SET
1 OCTOBER 2014

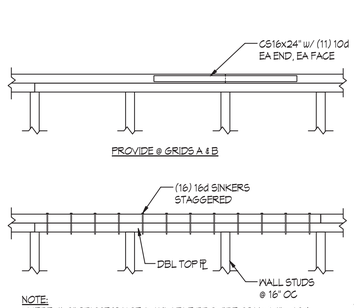
DETAILS (ROOF)

AD.07



24 CALIFORNIA FRAMING

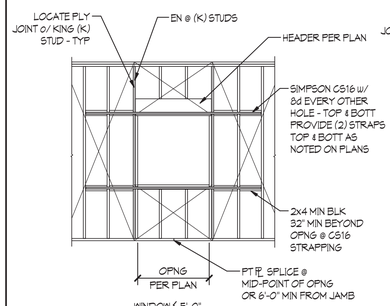
3/4" = 1'-0"



NOTE:
WHERE 4'-0" SPLICE IS NOT AVAILABLE PROVIDE CS16x24" w/ 8d EVERY OTHER HOLE EA SIDE

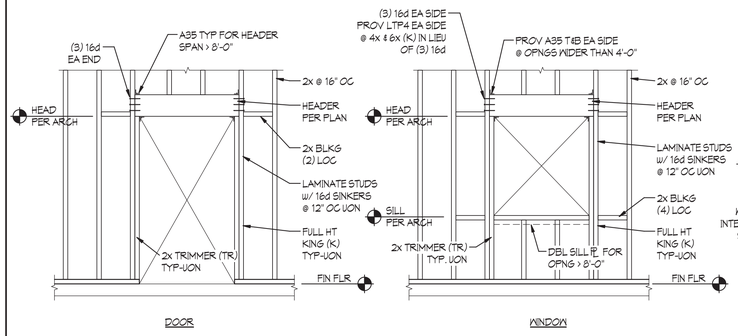
23 TOP PL SPLICE

1" = 1'-0"



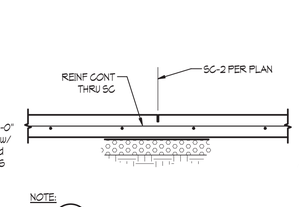
22 SPECIAL SHEAR WALL

1/4" = 1'-0"



21 FRAMED OPENING

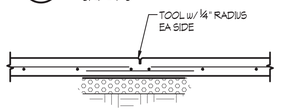
1/2" = 1'-0"



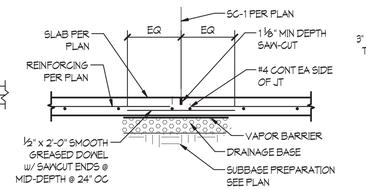
NOTE:
SEE 13 / SO.1 UON

14 SOFF-CUT JT: SC-2

3/4" = 1'-0"



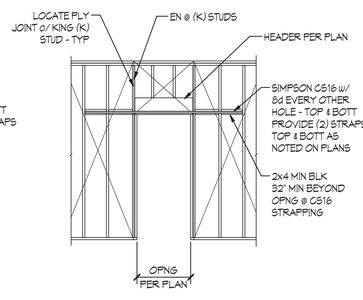
TOOLED JT OPTION



SOFF-CUT OPTION

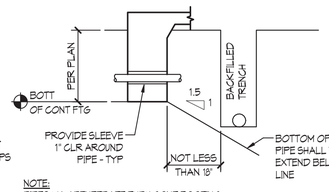
13 SLAB ON GRADE JT: SC-1

3/4" = 1'-0"



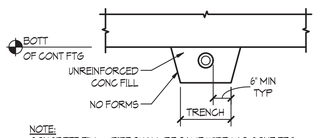
9 PIPES & TRENCHES

1/2" = 1'-0"



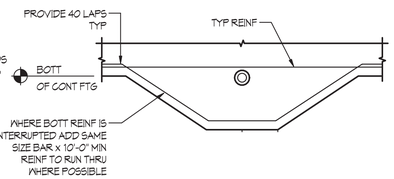
NOTE:
PIPES MAY PENETRATE THRU CONT FOOTING, NOT THRU SPREAD FOOTINGS

THRU CONT FTG
WHERE PIPE SLEEVE IS ≥ 6" ABV BOTT OF CONT FTG



NOTE:
CONCRETE FILL @ PIPE SHALL BE SAME WIDTH AS CONT FTG, FULL WIDTH OF TRENCH, & SHALL BE PLACED BEFORE CONT FTG IS POURED

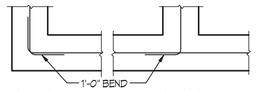
BELOW CONT FTG
WHERE PIPE SLEEVE IS ≥ 4" BELOW BOTT OF CONT FTG



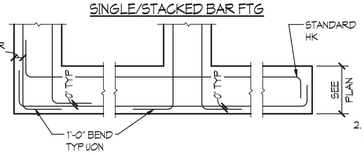
THRU CONT FTG
WHERE PIPE SLEEVE IS BETWEEN 6" ABV & 4" BELOW BOTT OF CONT FTG

12 TYP BAR BENDS

3/4" = 1'-0"



SINGLE/STACKED BAR FTG

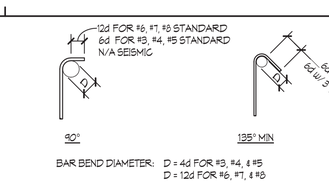


FTGS w/ (2) BARS IN HORIZONTAL PLANE SHOWN, CONDITIONS w/ (3) BARS SIMILAR.

FTG BARS SIDE BY SIDE

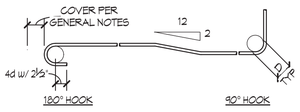
11 TYP FTG REINF -PLAN VIEW

1/2" = 1'-0"



BAR BEND DIAMETER: D = 4d FOR #3, #4, & #5
D = 12d FOR #6, #7, & #8

STIRRUP/TIE HOOKS



BAR BEND DIAMETER: D = 6d FOR #3 & SMALLER
D = 8d FOR #4, #10, & 11
D=10d FOR #14 & #18

1. GENERAL
   A. THE STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE (CBC).
   B. THIS STRUCTURE HAVE BEEN DESIGNED FOR THE FOLLOWING LOADS:
      1) VERTICAL LOADS:
         A) ROOF LIVE LOAD - 20 PSF, REDUCIBLE IN ACCORDANCE WITH CBC 1607.11.2.
         B) DEAD LOAD - AS REQUIRED.
      2) WIND - IN ACCORDANCE WITH ASCE 7-10 CHAPTER 27, PART 2 WITH 110 MPH ULTIMATE DESIGN WIND SPEED, EXPOSURE C, RISK CATEGORY II, AND Kzt= 1.00.
      3) SEISMIC - ASCE 7-10 EQUIVALENT LATERAL FORCE ANALYSIS WITH RISK CATEGORY II, SITE CLASS D, SDS= 1.748, SD1= 1.089, SEISMIC DESIGN CATEGORY E, WITH LIGHT FRAMED WOOD WALLS WITH WOOD SHEATHED SHEAR WALLS (R=6.5, Cs= 0.271).
   C. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE "PRELIMINARY GEOTECHNICAL REPORT FOR A PROPOSED ADDITION TO THE MCKINLEYVILLE ACTIVITY CENTER, 1685 GWIN ROAD, MCKINLEYVILLE, CA. APN 510-401-025" PREPARED BY SHN CONSULTING ENGINEERS & GEOLOGISTS, INC, 812 W. WABASH, EUREKA, CA 95501, 707 441-8855, DATED 12/9/11 (PROJ REFERENCE NO. 011034.040). FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM OF 2,500 PSF FOR DEAD PLUS LIVE LOADS WITH A 1/3 INCREASE FOR LATERAL LOADING.
   D. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE BRACING AND SUPPORT OF ALL TEMPORARY CONSTRUCTION AND PARTIALLY COMPLETED PORTIONS OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT PAVED SURFACES, UTILITIES AND STRUCTURES.
   E. THE WORK SHALL CONFORM TO THESE NOTES AND DRAWINGS. NO CHANGES SHALL BE ALLOWED WITHOUT WRITTEN AUTHORITY FROM THE ARCHITECT.
   F. SLAB ON GRADE AND WATER VAPOR TRANSMISSION - NO GUARANTEE IS PROVIDED OR ASSURANCE IS GIVEN THAT SLAB ON GRADE SYSTEM (DRAINAGE BASE, VAPOR BARRIER, SAND CUSHION, AND SLAB THICKNESS AND REINFORCEMENT) AS SHOWN ON THESE DRAWINGS WILL REDUCE MOISTURE OR MOISTURE VAPOR TRANSMISSION TO ANY SPECIFIC LEVELS OR RATES TO INHIBIT MOLD GROWTH OR NOT ADVERSELY EFFECT MOISTURE-SENSITIVE FLOORING. IF SPECIFIC LEVELS OR RATES ARE TO BE ACHIEVED, THEN A QUALIFIED CONSULTANT SHOULD BE RETAINED TO PROVIDE RECOMMENDATIONS.

2. EARTHWORK
   A. EARTHWORK SHALL BE IN ACCORDANCE WITH THE PROJECT SOILS REPORT.
      1) THE SITE IS OVERLAIN WITH UNDOCUMENTED, ORGANIC RICH FILL OF VARYING DEPTH WHICH IS NOT SUITABLE FOR SUPPORT OF FOUNDATIONS AND SLAB ON GRADE SLABS.
      2) PAD FOR SLAB ON GRADE SHALL BE PREPARED IN ACCORDANCE WITH THE PROJECT SOILS REPORT.
      3) FOUNDATIONS - PROJECT SOILS REPORT LISTS THREE OPTIONS FOR PREPARING FOUNDATION BEARING SURFACES. CONTRACTOR'S OPTION AS TO WHICH METHOD IS TO USED.
   B. SLAB ON GRADE SHALL:
      1) SHALL HAVE A 4 INCH THICK COMPACTED DRAINAGE BASE WITH 15 MIL VAPOR BARRIER OVER PREPARED SUBGRADE AS FOLLOWS:
         A) VAPOR BARRIER SHALL BE STEGO WRAP VAPOR BARRIER (15-MIL) BY STEGO INDUSTRIES LLC, (877) 464-7834, WWW.STEGOINDUSTRIES.COM OR APPROVED EQUAL. VAPOR BARRIER SHALL BE ASTM E1745, CLASS A EXCEPT SHALL HAVE A PERMEANCE OF LESS THAN 0.01 PERMS AND MAINTAIN PERMEANCE OF LESS THAN 0.01 PERMS AFTER MANDATORY CONDITIONING TESTS PER ASTM E 154 SECTIONS 8,11,12, AND 13.
         B) DRAINAGE BASE SHALL BE CLEAN AND GRADED SO THAT 100% PASSES 1" SIEVE AND LESS THAN 5% PASSES NO. 4 SIEVE. DRAINAGE BASE SHALL BE GRADED TO REQUIRED ELEVATION, WITHIN A TOLERANCE OF +1/4 INCH TO -1/2 INCH. COMPACT DRAINAGE BASE AS DIRECTED BY SOILS ENGINEER. IT IS RECOMMENDED THAT THE DRAINAGE BASE BE NATURAL, ROUNDED AGGREGATES INSTEAD OF ANGULAR WITH SHARP EDGES AS IS THE CASE WITH CRUSHED AGGREGATES TO MINIMIZE THE AMOUNT OF REPAIRS TO THE VAPOR RETARDER RESULTING FROM PUNCTURES.
      2) AFTER DRAINAGE BASE IS COMPACTED PLACE VAPOR RETARDER. VAPOR RETARDER TO BE PLACED IN ACCORDANCE WITH ASTM E1643. LAP VAPOR RETARDER JOINTS 6" MINIMUM AND TAPE WITH TAPE AS RECOMMENDED BY MANUFACTURER. ALL PENETRATIONS (ELECTRICAL AND COMMUNICATIONS CONDUITS, PLUMBING, ETC.) TO BE SEALED AND MADE MOISTURE RESISTANT AS RECOMMENDED BY MANUFACTURER. VAPOR RETARDER SHALL BE TURNED DOWN 12" MINIMUM AT FOOTING SIDES.
   C. ALL EXCAVATIONS AND APPROVED EARTHWORK SHALL BE PROTECTED FROM WEATHER AND WATER ACCUMULATION AT ALL TIMES.
   D. ANY PROPOSED DEVIATIONS FROM THE ABOVE EARTHWORK REQUIREMENTS SHALL HAVE THE SOIL ENGINEER'S PRIOR WRITTEN APPROVAL.

3. CONCRETE
   A. CONCRETE MIX DESIGNS:
      1) FOOTINGS, STEM WALLS, AND INTERIOR SLABS ON GRADE: 2,500 PSI 28 DAY COMPRESSIVE STRENGTH MADE WITH 1" ASTM C33 AGGREGATES (145 PCF MINIMUM DENSITY) AND CONTAIN MINIMUM OF 5.75 SACKS OF CEMENT PER CUBIC YARD WITH A 0.50 WATER/CEMENT RATIO AND PLACED AT A 5" MAXIMUM SLUMP.
      2) EXTERIOR SLABS ON GRADE, CURBS, GUTTERS, & RAT SLAB: 2,500 PSI 28 DAY COMPRESSIVE STRENGTH MADE WITH 1" ASTM C33 AGGREGATES AND CONTAIN MINIMUM OF 5.0 SACKS OF CEMENT PER CUBIC YARD WITH A 0.60 WATER/CEMENT RATIO AND PLACED AT A 5" MAXIMUM SLUMP.
      3) GROUT FOR COLUMN BASE PLATES:
         A) PRE-PACKAGED NON-SHRINK TYPE, PRE-MIXED COMPOUND CONSISTING OF NON-METALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7,000 PSI AT 28 DAYS.
         B) GROUT TO BE MIXED IN ACCORDANCE WITH MANUFACTURER'S PRINTED DIRECTIONS TO A FLOWABLE CONSISTENCY.
   B. CEMENT SHALL BE ASTM C150, TYPE I OR II. ASTM C618 CLASS N OR CLASS C. FLYASH MAY BE USED AS A PARTIAL SUBSTITUTE FOR CEMENT PROVIDED MIX IS PROPORTIONED IN ACCORDANCE WITH 1905.3.
   C. AGGREGATE SHALL CONFORM TO ASTM C33.
   D. CONTRACTOR SHALL RETAIN A TESTING LABORATORY TO DESIGN AND TEST CONCRETE MIX DESIGNS. MIX DESIGNS MAY BE PROPORTIONED BASED ON FIELD EXPERIENCE IN ACCORDANCE WITH CBC 1905.3 AND ACI 318, SECTION 5.3. FIELD STRENGTH DATA SHALL BE SUBMITTED IN ACCORDANCE WITH ACI 318, SECTION 5.3.1 AND SHALL BE CURRENT WITHIN THE LAST 12 MONTHS, AND SHALL BE BATCHED FROM THE SAME PLANT USING MATERIALS FROM THE SAME SOURCES. FOR CONCRETE TO BE PLACED BY PUMP:
      1) SUBMIT SEPARATE MIX DESIGNS FORMULATED FOR PLACEMENT BY PUMP.
      2) SLUMP CONTROL SHALL BE AT THE PUMP HOPPER AND NOT AT THE END OF THE LINE.
      3) SUBMIT WRITTEN VERIFICATION FROM THE CONCRETE PLACEMENT SUBCONTRACTOR AS TO THE PUMPABILITY OF THE PROPOSED MIXES.
   E. ALL CONCRETE SHALL BE READY-MIXED CONCRETE AND SHALL BE BATCHED, MIXED AND DELIVERED TO SITE PER ASTM C94. WATER SHALL BE ADDED ONLY TO OBTAIN MINIMUM SLUMP EXCEPT THE QUANTITY OF THE BATCHED WATER PLUS THE WATER ADDED AT THE SITE SHALL NOT EXCEED THE QUANTITY OF WATER AS STATED ON THE MIX DESIGN. PLACE CONCRETE WITHIN 90 MINUTES OF THE ADDITION OF MIXING WATER.
   F. REINFORCEMENT SHALL BE ASTM A615, GRADE 60.
   G. REINFORCEMENT SHALL BE FABRICATED WITH BEND AND HOOKS CONFORMING TO ACI 315 AND AS SHOWN ON DRAWINGS. LAP ALL REINFORCING MINIMUM OF 40 BAR DIAMETERS (BUT NOT LESS THAN 12") UNLESS OTHERWISE NOTED.
   H. REINFORCEMENT SHALL BE HELD SECURELY IN PLACE AND SUPPORTED ON GALVANIZED CHAIRS CONFORMING TO CRSI. WIRE TIE ALL INTERSECTIONS. CONCRETE DOBIES MAY BE USED TO SUPPORT REBAR CAST AGAINST EARTH.
   I. MINIMUM CONCRETE COVER OVER REINFORCEMENT SHALL BE: 3" FOR CONCRETE CAST AGAINST EARTH, 2" FOR FORMED SURFACES EXPOSED TO EARTH OR WEATHER, AND 1" FOR FORMED SURFACES NOT EXPOSED TO WEATHER UNLESS OTHERWISE SHOWN.
   J. ALL CONCRETE SHALL BE VIBRATED.
   K. PROVIDE SLAB ON GRADE JOINTS PER DETAILS.
   L. CHAMFER OR TOOL ALL EXPOSED EDGES 3/4".
   M. PROVIDE HOT AND COLD WEATHER PROTECTION PER ACI 305 AND 306 RESPECTIVELY.
   N. ALL CONCRETE SHALL BE CURED FOR 7 DAYS MINIMUM BY WET CURING, OR WITH CURING COMPOUND. CURING COMPOUNDS TO BE COMPATIBLE WITH FLOOR FINISHES.
   O. AFTER SLAB IS PLACED SEAL WATER TIGHT SLAB BLOCKOUTS AND SLAB EDGES WHERE THE VAPOR BARRIER IS EXPOSED SO THAT WATER/MOISTURE FROM ALL SOURCES (CURE WATER, RAIN WATER, ETC.) IS NOT ALLOWED TO PENETRATE BETWEEN THE SLAB AND VAPOR BARRIER.

4. STRUCTURAL STEEL
   A. ALL STEEL CONSTRUCTION SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC 360-10 "SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS", AISC 303-10 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AND AISC 341-10 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS".
   B. PLATES - ASTM A36; TUBES - ASTM A500, GRADE B; MACHINE BOLTS - ASTM A307; HIGH STRENGTH BOLTS TO BE ASTM A325; ANCHOR BOLTS SHALL BE HEADED OR THREADED ANCHORS PER ASTM F1554, GRADE 36 WITH STANDARD NUTS.
   C. WELDING:
      1) SHALL CONFORM TO AWS D1.1. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS FOR MATERIALS TO BE WELDED. NOTE THAT STAINLESS STEEL WELDING IS REQUIRED FOR ITEMS USED IN THE DOWN STORAGE BUILDING.
      2) ELECTRODES - FILLER METALS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF ANSI/AWS SPECIFICATIONS FOR ELECTRODES. MINIMUM TENSILE STRENGTH OF WELD METAL SHALL BE 70 KSI TYPICAL UNLESS OTHERWISE NOTED.
      3) FILLET WELDS - FILLET WELD SIZES SHALL BE THE LARGER OF THE SIZES AS SHOWN ON STRUCTURAL DRAWINGS AND AS REQUIRED BY AISC TABLE J2.4.
   D. SUBMITTAL DRAWINGS:
      1) OBTAIN ENGINEER'S REVIEW OF SUBMITTALS IN A TIMELY MANNER SO AS NOT ADVERSELY AFFECT CONSTRUCTION SCHEDULE. ALLOW 10 WORKING DAYS FOR REVIEW.
      2) SUBMITTAL DRAWINGS:
         A) SHALL INDICATE PROFILES, SIZES, SPACING, LOCATIONS OF STRUCTURAL MEMBERS, OPENINGS, ATTACHMENTS, AND FASTENERS.
         B) SUBMIT SHOP STANDARDS FOR EACH TYPE OF CONNECTION REQUIRED, CORRESPONDING TO STRUCTURAL DRAWINGS.
         C) SUBMIT ERECTION AND PLACING DRAWINGS SHOWING SIZE AND PIECE MARK OF EACH MEMBER AND ITS LOCATION.
         D) SHALL INDICATE WELDED CONNECTIONS WITH AWS A2.4 WELDING SYMBOLS. INDICATE NET WELD LENGTHS.
         E) SUBMIT 3 COPIES OF SUBMITTAL DRAWINGS. ONE REVIEWED SET WILL BE RETURNED TO THE CONTRACTOR FOR REPRODUCTION AND DISTRIBUTION.
   E. PRIME PAINTING OF STEEL NOT REQUIRED EXPECT WHERE STEEL IS EXPOSED TO VIEW.

5. METAL ROOFING
   A. METAL ROOFING SHALL BE COLD FORMED FROM SHEET STEEL CONFORMING TO ASTM A653 DESIGNATION S55, FY=33 KSI AND ASTM A924 WITH FINISH PER COUNTY.
   B. DECKING SHALL BE FULL LENGTH, NO SPLICES.
   C. PROVIDE CLOSURES AT EDGES PARALLEL TO FLUTES AND AT OPENINGS. CLOSURES SHALL BE COLD FORMED FROM SHEET STEEL CONFORMING TO ASTM A446 WITH SAME FINISH AS ROOFING.
   D. FASTENERS TO BE ITW BUILDEX, INC () SELF DRILLING, SELF TRAPPING WITH BONDED WASHERS AND CLIMASEAL FINISH OR EQUAL. NO WELDING ALLOWED.

6. WOOD FRAMING
   A. ALL FRAMING MEMBERS SHALL BE IDENTIFIED BY GRADE STAMP OF WEST COAST LUMBER INSPECTION BUREAU.
   B. FRAMING MEMBERS TO BE DF NO. 2 WITH 19% MAXIMUM MOISTURE CONTENT, EXCEPT AS FOLLOWS:
      1) 4X AND SMALLER MEMBERS - DF NO2 WITH 19% MAXIMUM MOISTURE CONTENT.
      2) 6X AND LARGER MEMBERS - D.F. NO. 1 WITH 19% MAXIMUM MOISTURE CONTENT. 6X AND LARGER MEMBERS - D.F. NO. 1 WITH 19% MAXIMUM MOISTURE CONTENT.
      3) PLATES LEDGERS, AND BLOCKING - HEM FIR OR D.F. NO. 2 WITH 19% MAXIMUM MOISTURE CONTENT.
   C. PRESERVATIVE TREATED WOOD:
      1) PRESERVATIVE TREATED WOOD SHALL BE USED ONLY WHERE SHOWN ON DRAWINGS AND SHALL NOT BE USED IN PLACE OF OTHER FRAMING UNLESS WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER IS OBTAINED.
      2) PRESERVATIVE TREATMENT SHALL BE EITHER ZINC BORATE OR DOT SODIUM BORATE.
      3) NAILS USED TO FASTEN FRAMING AND CONNECTORS TO PRESERVATIVE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A653, CLASS G90. NO SUBSTITUTIONS ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
   D. JOIST HANGERS AND FRAMING CONNECTORS - STANDARD ITEMS AS MANUFACTURED BY SIMPSON STRONG-TIE CO. (OR EQUAL), INSTALLED FOR FULL RATED LOAD VALUES.
   E. MACHINE BOLTS - ASTM A307, PROVIDE WASHERS UNDER BOLT HEADS WHICH BEAR AGAINST WOOD.
   F. ALL FRAMING MEMBERS ARE TO BE CUT FOR FULL BEARING AND PROPER LENGTH.
   G. NAILING - PER CBC TABLE 2304.9.1. ALL NAILS TO COMMON UNLESS NOTED OTHERWISE ON THESE DRAWINGS. NAILING FOR JOIST HANGERS AND FRAMING CONNECTORS PER MANUFACTURER'S REQUIREMENTS FOR FULL RATED VALUES OR AS NOTED.
   H. LAG BOLTS:
      1) LAG BOLTS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.
      2) LEAD HOLES FOR LAG BOLT INSTALLATION:
         A) CLEARANCE HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK DIAMETER, AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF THE UNTHREADED SHANK.
         B) LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 60% TO 75% OF THE SHANK DIAMETER AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION.
      3) THE THREADED PORTION OF THE LAG BOLT SHALL BE INSERTED IN ITS LEAD HOLE BY TURNING WITH A WRENCH, NOT BY DRIVING WITH HAMMER.
      4) SOAP OR OTHER LUBRICANT SHALL BE USED ON THE LAG BOLTS OF IN THE LEAD HOLES TO FACILITATE INSERTION AND PREVENT DAMAGE TO THE LAG SCREW.
   I. SHOP FABRICATED STRUCTURAL WOOD:
      1) LAMINATED VENEER LUMBER SHALL BE REDLAM LVL'S AS MANUFACTURED BY REDBUILT, LLC IN ACCORDANCE WITH ICC ESR-2983 OR APPROVED EQUAL.
      2) LSL STUD AND RAFTER MATERIAL SHALL BE LP SOLIDSTART AS MANUFACTURED BY LOUISIANAOPACIFIC CORP IN ACCORDANCE WITH ICC ESR-2403.
   J. PLYWOOD:
      1) ROOF SHEATHING SHALL BE 19/32" MIN APA RATED SHEATHING, 32/16 PANEL INDEX, EXPOSURE 1. NAIL EDGES WITH 8d COMMONS @ 6" O.C. AND FIELD @ 12" O.C. INSTALL SHEETS WITH SHEET LONG DIMENSION PERPENDICULAR TO SUPPORTS. BLOCKING NOT REQ.
      2) SHEAR WALL SHEATHING SHALL BE 15/32" MINIMUM APA RATED SHEATHING, STRUCT 1, MINIMUM 24/0 PANEL INDEX, EXPOSURE 1, NAILED IN ACCORDANCE WITH SHEAR WALL SCHEDULE. ALL EDGES BLOCKED.
      3) FASCIA - SAME AS SHEAR WALL SHEATHING EXCEPT NAILED WITH 8d COMMONS AT 6" O.C. EDGES, 12" O.C. FIELD.
   K. GLULAM BEAMS - MANUFACTURE AND FABRICATION OF GLUED-LAMINATED BEAMS SHALL BE IN ACCORDANCE WITH ANSI/AITC A190.1 WITH ALL PORTIONS OF END JOINTS IN ADJACENT LAMINATIONS SEPARATED IN ACCORDANCE WITH ANSI/AITC A190.1 AND ASTM D3737. GLULAM BEAMS EXPOSED TO VIEW SHALL BE ARCHITECTURAL GRADE.
   L. METAL PLATE WOOD TRUSSES:
      1) DESIGNED AND MANUFACTURED IN ACCORDANCE WITH TPI'S DESIGN RECOMMENDATIONS.
      2) TRUSS MANUFACTURER SHALL DESIGN MEMBERS FOR LOADING CRITERIA AS INDICATED ON DRAWINGS AND MEMBER PROFILES SHALL CONFORM TO INDICATED GEOMETRY.
      3) EACH TRUSS TO BE TAGGED IDENTIFYING TRUSS MANUFACTURER, DESIGN LOAD, AND SPACING. THIS INFORMATION SHALL BE LEGIBLE AND PERMANENTLY AFFIXED ON THE BOTTOM CHORD OF THE TRUSS WITHIN THE 2'-0" OF TRUSS CENTERLINE.
      4) TRUSS MANUFACTURER SHALL PROVIDE 5 COPIES (WITH 3 WET SIGNED) TRUSS ENGINEERING SEALED BY A CALIFORNIA REGISTERED CIVIL ENGINEER. TRUSS ENGINEERING TO INCLUDE:
         A) TRUSS LAYOUTS.
         B) CALCULATION AND DETAILS FOR EACH TRUSS SHOWING THAT THE DESIGN (AXIAL AND BENDING STRESSES, TRUSS REACTIONS, AND JOINT DESIGNS) ARE IN CONFORMANCE WITH 2001 CBC AND LOADING CRITERIA NOTED ON DRAWINGS.
         C) MANUFACTURER TO OBTAINS ENGINEER OF RECORD'S APPROVAL (IN THE FORM OF SHOP DRAWING APPROVAL STAMP OR SEPARATE APPROVAL LETTER) FOR SUBMITTAL TO BUILDING DEPARTMENT MINIMUM OF 2 WEEKS PRIOR TO TRUSS INSTALLATION
      5) TRUSS MANUFACTURER RESPONSIBLE FOR TEMPORARY AND ERECTION BRACING.

7. INSPECTIONS
   A. EARTHWORK:
      1) PRIOR TO THE CITY'S FOUNDATION INSPECTION, PROVIDE THE BUILDING DEPARTMENT WITH COPIES OF COMPACTION/SOIL ANALYSIS REPORTS.
      2) PRIOR TO REQUESTING BUILDING INSPECTION OF BUILDING PADS AND FOUNDATIONS, OBTAIN AND SUBMIT TO BUILDING DEPARTMENT GEOTECHNICAL ENGINEER'S WRITTEN APPROVAL OF THE BUILDING PADS AND FOUNDATION BEARING SURFACES.
   B. CONCRETE - SPECIAL INSPECTION NOT REQUIRED. EXCEPTIONS 1, 2, AND 3 OF CBC 1704.4 APPLIES. CONCRETE DESIGN IS BASED ON f'c= 2,500 PSI IN ACCORDANCE WITH CBC SECTION 1704.4, EXCEPTION 2.2.3.

5 GENERAL NOTES

12" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
jh lawder, inc.
structural engineers
717 16th Street, Ste. 4, Modesto, CA 95354
(209) 521-1143 Fax: (209) 521-1581

REGISTERED PROFESSIONAL ENGINEER
No. 2310
Exp. 3-31-15
9/19/14
STRUCTURAL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
1685 Gwin Road
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: JL/13-037
Checked By: JL

No.	Description	Date	By

BID SET 1 OCTOBER 2014

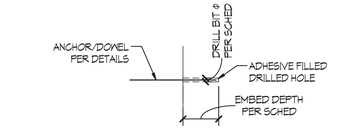
ISSUED
9/19/14

GENERAL NOTES & TYPICAL DETAILS

S0.1

W:\2013\13-037\S1.dwg

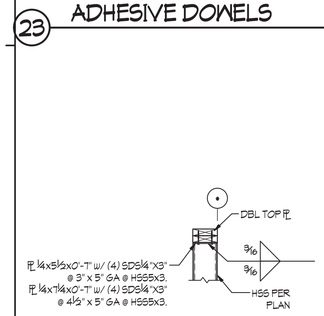
ADHESIVE DOWELS				
ANCHOR/ DOWEL	DRILL BIT ⌀	EMBED DEPTH	MATERIAL	PROOF LOAD
#4 DOWEL	5/8"⌀	4 1/4"	CMU	1000# TENSION
5/8"⌀ THRD ROD	3/4"⌀	5"	CMU	3500# TENSION
#4 DOWEL	5/8"⌀	4 1/4"	CONCRETE	2000# TENSION



ADHESIVE ANCHORS/DOWELS

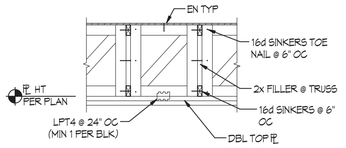
1. ADHESIVE TO BE EITHER OF THE FOLLOWING:
   A. CONCRETE BASE MATERIAL:
      1. SET-XP EPOXY ADHESIVE ANCHOR SYSTEM AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. INSTALLED IN ACCORDANCE WITH ICBO REPORT ESR-2508.
      2. HILTI HIT-RES 500-SD ADHESIVE ANCHOR SYSTEM AS MANUFACTURED BY HILTI, INC. INSTALLED IN ACCORDANCE WITH ICBO REPORT ESR-2322.
   B. CMU BASE MATERIAL:
      1. SET EPOXY ADHESIVE ANCHOR SYSTEM AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. INSTALLED IN ACCORDANCE WITH ICBO REPORT ESR-1772.
      2. HILTI HIT HY 150 ADHESIVE ANCHOR SYSTEM AS MANUFACTURED BY HILTI, INC. INSTALLED IN ACCORDANCE WITH ICBO REPORT ESR-2618.
2. HOLES MUST BE DRILLED USING A DRILL THAT IS SET IN ROTATION-AND-HAMMERING MODE THAT HAS A CARBIDE-TIPPED DRILL BIT THAT COMPLIES WITH ANSI B212.15.
3. HOLES MUST BE CLEANED OF DUST AND DEBRIS, USING THE MANUFACTURER'S RECOMMENDED WIRE BRUSH AND OIL FREE COMPRESSED AIR TO REMOVE PARTICULATE DEBRIS AND TO ACHIEVE A RELATIVELY DUST-FREE ADHESIVE CONTACT SURFACE. HOLES ARE PERMITTED TO BE DAMP BUT ALL STANDING WATER MUST BE REMOVED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.
4. SPECIAL INSPECTION OF ANCHORS/DOWELS MAY BE EITHER:
   A. FULL TIME OBSERVATIONS (FULL TEST NOT REQUIRED) - SPECIAL INSPECTOR TO RECORD STRENGTH AND AGE OF BASE MATERIAL; DRILL BIT COMPLIANCE WITH ANSI B212-15; HOLE DIAMETER, DEPTH, AND CLEANLINESS; HOLE EDGE DISTANCE AND SPACING; INSTALLATION TEMPERATURE; ADHESIVE PRODUCT DESCRIPTION, INCLUDING PRODUCT NAME; ADHESIVE EXPIRATION DATE; ADHESIVE MIXING PROCEDURE; USE OF PROPER NOZZLES; VERIFICATION OF PROPERLY MIXED ADHESIVE PRIOR TO INJECTION OF ADHESIVE IN ANCHOR HOLE; ANCHORS UNDISTURBED DURING GEL TIME; ROD TYPE, GRADE, DIAMETER, LENGTH, AND CLEANLINESS; AND VERSIFICATION OF ANCHOR INSTALLATION IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTRUCTIONS AND ICBO ER REPORT.
   B. PULL TESTS - ANCHOR DOES NOT EXHIBIT OBSERVABLE MOVEMENT AT THE APPLICATION OF PROOF LOAD, I.E., WASHER UNDER THE NUT DOES NOT BECOME LOOSE.
5. THRD RODS SHALL BE ASTM A307 EXCEPT SHALL BE ASTM A193, GRADE STAINLESS STEEL OR ASTM A153 ZINC COATED THRD RODS FOR EXTERIOR APPLICATIONS.

23 ADHESIVE DOWELS



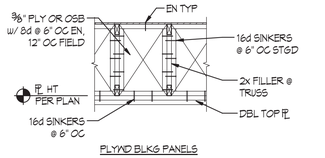
22 DETAIL

3/4" = 1'-0"



PROVIDE MFR TRUSS BLKG. HORIZ SHEAR = 260 plf

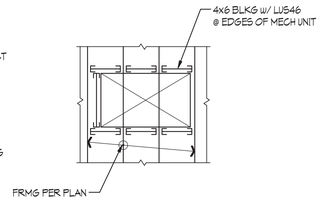
SHEAR BLKG OPTION



PLYND BLKG PANELS

20 BLKG PANELS

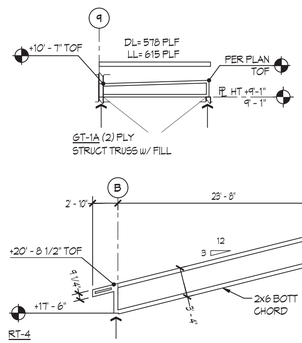
1/2" = 1'-0"



NOTE:
1. VERIFY LOCATION w/ MECH.

19 HVAC UNIT SUPPORT

1/4" = 1'-0"



NOTES:

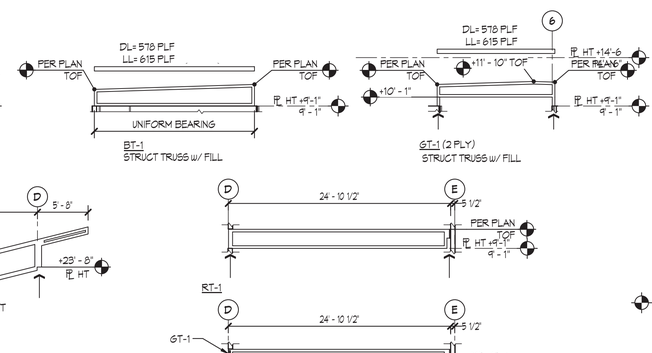
1. ALL TRUSSES @ 24" OC MAX, UON.
2. DESIGN CRITERIA
   A. LOADING (UON):

TOP CHORD	BOTTOM CHORD
DL = 6.0 psf	DL = 7.0 psf
LL = 20.0 psf	LL = 10.0 psf

   B. WIND IN ACCORDANCE w/ ASCE 7-10 CHPATER 27, PART 2 w/ 110 MPH ULTIMATE DESIGN WIND SPEED; RISK CATAGORY II w/ I = 1.00; WIND EXPOSURE C; K_{zt} I = 1.00
   C. DEFLECTION CRITERIA: LL - SPAN/240, DL + LL - SPAN/180.
   D. DL INCLUDES AN ALLOWANCE FOR SPRINKLERS 3 lb/s.f. AND LESS. VERIFY w/ SPRINKLER SUBCONTRACTOR FOR LOADS & LOCATIONS SHOULD SPRINKLERS BE GREATER THAN 3 lb/s.f.
   E. SEE PLANS FOR WIND (W) AND SEISMIC (E) DRAG LOADS.
3. BOTT CHORD LL NOT TO BE CONCURRENT w/ TOP CHORD LL.
4. TRUSS CHORDS, WEB SIZE AND CONFIGURATION BY TRUSS MFR UON.
5. TRUSS TO HAVE BEARING SUPPORTS AS INDICATED.
6. "DRAG = "#" (POUNDS) NOTED ON PLANS OR PROFILES ARE STENGTH LEVEL LOADS.

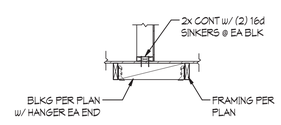
15 WOOD ROOF TRUSS PROFILES

1/8" = 1'-0"

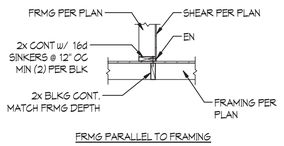


22 DETAIL

3/4" = 1'-0"



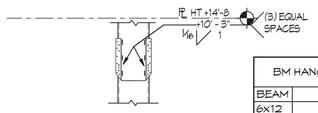
FRMG PERPENDICULAR TO FRAMING



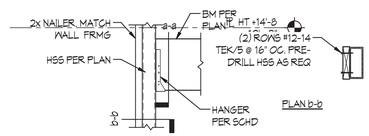
FRMG PARALLEL TO FRAMING

17 FRAMING DETAIL

1/2" = 1'-0"

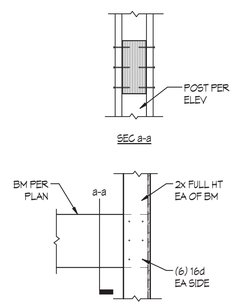


BM HANGER @ HSS	
BEAM	HANGER
6x12	HUC612
8x12	HUC812X4.72 kips



13 BM HANGERS @ HSS JAMB

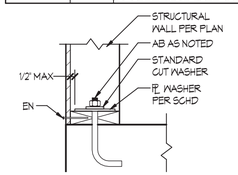
3/4" = 1'-0"



9 DETAIL

3/4" = 1'-0"

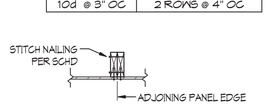
SLOTTED PL WASHER		
WD SILL PL	AB	SIMPSON SLOTTED BEARING PL
2x4	1/2"⌀	LBPS1/3
2x4	5/8"⌀	LBPS5/8
2x6	1/2"⌀	BPS1/2-6
2x6	5/8"⌀	BPS5/8-6
2x6	3/4"⌀	BPS3/4-6
2x8	5/8"⌀	PL 5/8x3x0'-6 1/4" w/ DIAG SLOT MATCHING PBS5/8-6



5 WD PL - SLOTTED PL WASHER

1 1/2" = 1'-0"

DLB STUD/BLKG NAILING	
SHEAR EN	16d SINKER SPACING
10d @ 6" OC	2 ROWS @ 11" OC
10d @ 4" OC	2 ROWS @ 7" OC
10d @ 2" OC	2 ROWS @ 5" OC
10d @ 3" OC	2 ROWS @ 4" OC



DBL STUD OPTION TO 3x STUD/BLKG

1 WOOD SHEAR WALL DETAILS

3/4" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
jh lawder, inc.
structural engineers
717 16th Street, Ste. 4, Modesto, CA 95354
(209) 521-1143 Fax: (209) 521-1581

REGISTERED PROFESSIONAL ENGINEER
No. 2310
Exp. 3-31-15
9/19/14
STRUCTURAL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
1685 Gwin Road
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: Author
Checked By: Checker

No.	Descripotion	Date	By
	BID SET 1 OCTOBER 2014		

ISSUED
9/19/14

TYPICAL DETAILS

S0.2

9/19/2014 2:15:29 PM

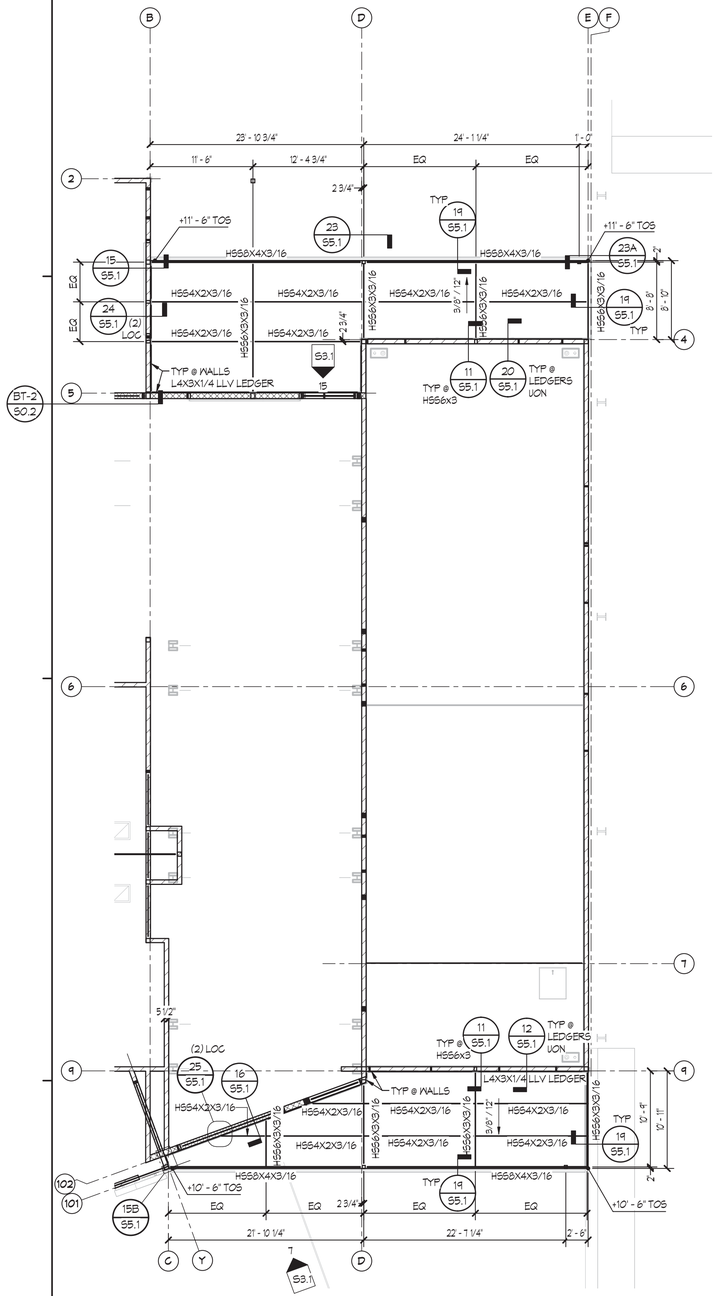
SHEAR WALL SCHEDULE						
MARK	SHTG (MIN THICKNESS)	AB	SHTG FSTNR	FSTNR SPACING EDGES	FSTNR SPACING FIELD	REMARKS
A	15/32" APA RATED STRUCT 1 SHTG, 24/0 PANEL INDEX, EXP 1	5/8"Φ L AB @ 48" OC	10d COMMON	6" oc	12" oc	
B	15/32" APA RATED STRUCT 1 SHTG, 24/0 PANEL INDEX, EXP 1	5/8"Φ L AB @ 32" OC	10d COMMON	4" oc	12" oc	3x MIN @ ADJOINING PANEL EDGES
C	15/32" APA RATED STRUCT 1 SHTG, 24/0 PANEL INDEX, EXP 1	5/8"Φ L AB @ 24" OC	10d COMMON	3" oc	12" oc	3x MIN @ ADJOINING PANEL EDGES

NOTES:

1. INSTALL WALL SHTG PRIOR TO CONSTRUCTION OF POP-OUTS AND ADJACENT WALLS.
2. BLOCK ALL PANEL EDGES.
3. ALL NAILS INTO PRESSURE TREATED SILL PL'S SHALL BE HOT DIPPPED GALVANIZED.
4. STICHED DBL 2x MAY BE USED IN LIEU OF 3x STUD/BLKG PER 1/S0.2

16 SHEARWALL SCHEDULE

12" = 1'-0"



FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
A	2'-0" SQ x 22" DP	(2) #4 @ 1'-6" EA WAY T&B
B	3'-0" SQ x 24" DP	(2) #4 x 2'-6" EA WAY T&B

LEDGEND

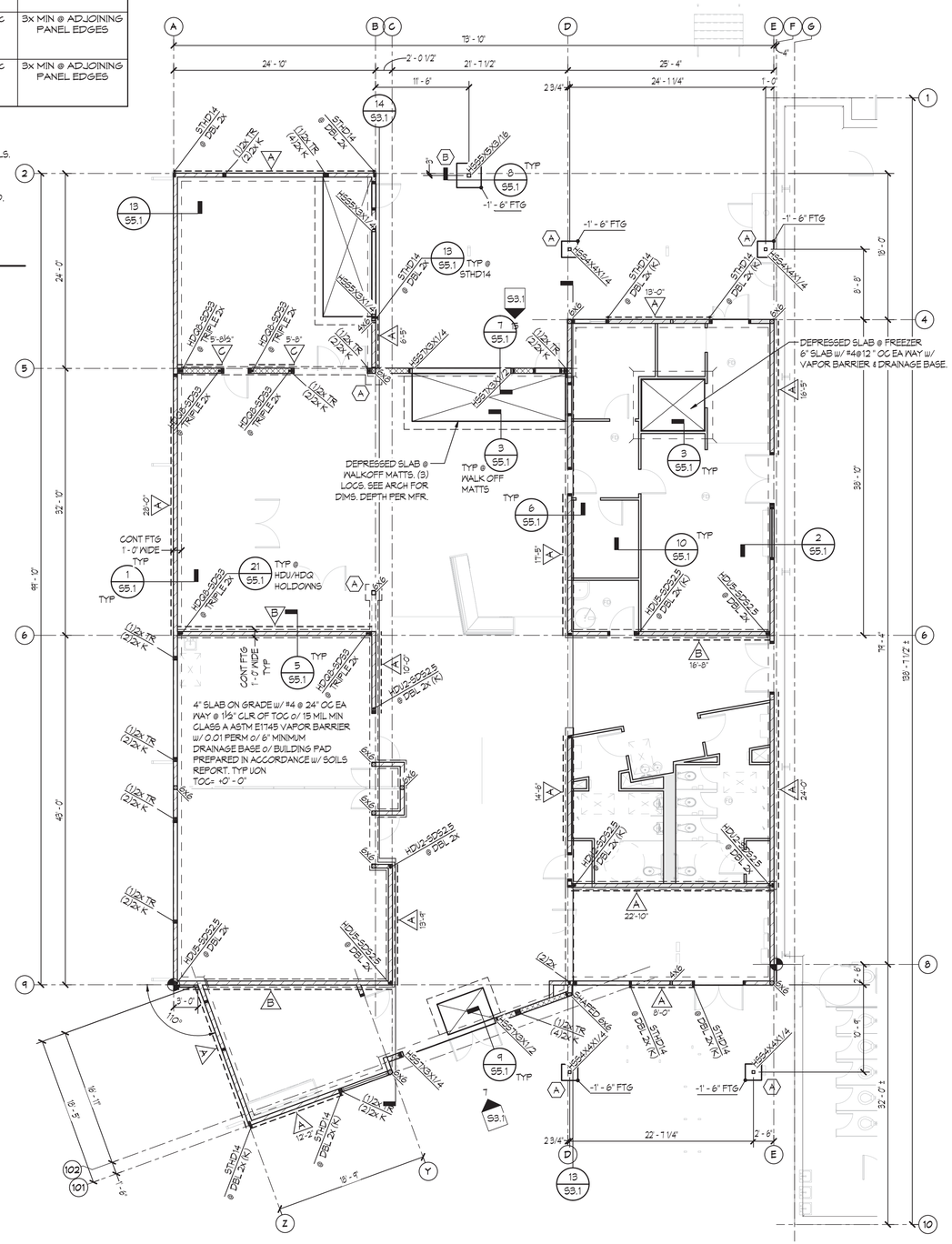
- 2x6 DF NO 2 @ 16" OC
- 2x8 LSL 1.750Fb -1.3E @ 12" OC EXCEPT 16" OC ALONG GRID 5 BTWN A & B
- 5½" HIGH CONC CURB. WIDTH PER ARCH
- 2x6 DF NO 2 @ 16" OC ON 5½" HIGH CURB. CURB WIDTH PER ARCH
- SHEARWALL MARK w/ MIN LENGTH INDICATED (WHERE REQ'D) SEE SHEARWALL SCHEDULE TERMINATE SHEARWALL @ OPNGS PROVIDE EDGE NAILING @ KING STUDS
- HOLDOWN & NUMBER OF REQUIRED STUDS FOR HOLDOWN ATTACMENT. (K) SUFFIX DENOTES MIN NUMBER OF KING STUDS REQUIRED FOR HOLDOWN ATTACHMENT

NOTES:

1. EXTERIOR WALLS NOT NOTED AS SHEARWALLS SHALL HAVE ½" SHEATHING, NAIL w/ 10d @ 6" OC EDGES, 12" OC FIELD. BLKG NOT REQ'D.
2. GRID LINES & DIMENSIONS ARE TO EXTERIOR FACE OF STUD UON.
3. FTG DENOTES TOP OF FOOTING ELEVATION BELOW FLOOR SLAB. DATUM 0'-0" IS 1st FLOOR SLAB ON GRADE.
4. TOC DENOTES TOP OF CONCRETE ELEVATION. DATUM 0'-0" IS 1st FLOOR SLAB ON GRADE.
5. EOC DENOTES EDGE OF FOOTING/SLAB FROM FACE OF STUD. EOC IS AT OUTSIDE FACE OF SHEATHING UON.
6. FOS DENOTES FACE OF STUD.
7. (1)2x(K) (1)2xTR STUDS FOR HEADER SUPPORT. PROVIDE (1) KING & (1) TRIMMER UON. SEE 21/S0.1
8. BUILDING PAD AND FTG BEARING SURFACES TO BE PREPARED PER SOILS REPORT. SOILS REPORT LISTS 3 OPTIONS FOR FTG BEARING SURFACES.
9. SEE ARCH FOR EXTERIOR FLATWORK & WALKWAYS.

21 CANOPY FRAMING PLANS

1/8" = 1'-0"



17 FOUNDATION PLAN

1/8" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
jh lawder, inc.
structural engineers
717 16th Street, Ste. 4, Modesto, CA 95354
(209) 521-1143 Fax: (209) 521-1581

REGISTERED PROFESSIONAL ENGINEER — No. 2310 Ext. 3-31-15 — 9/19/14 — STRUCTURAL — STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
1685 Gwin Road
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: JL
Checked By: JL

No.	Description	Date	By
	BID SET 1 OCTOBER 2014		

ISSUED
9/19/14

FOUNDATION PLAN

S2.1

9/19/2014 12:55:15 PM

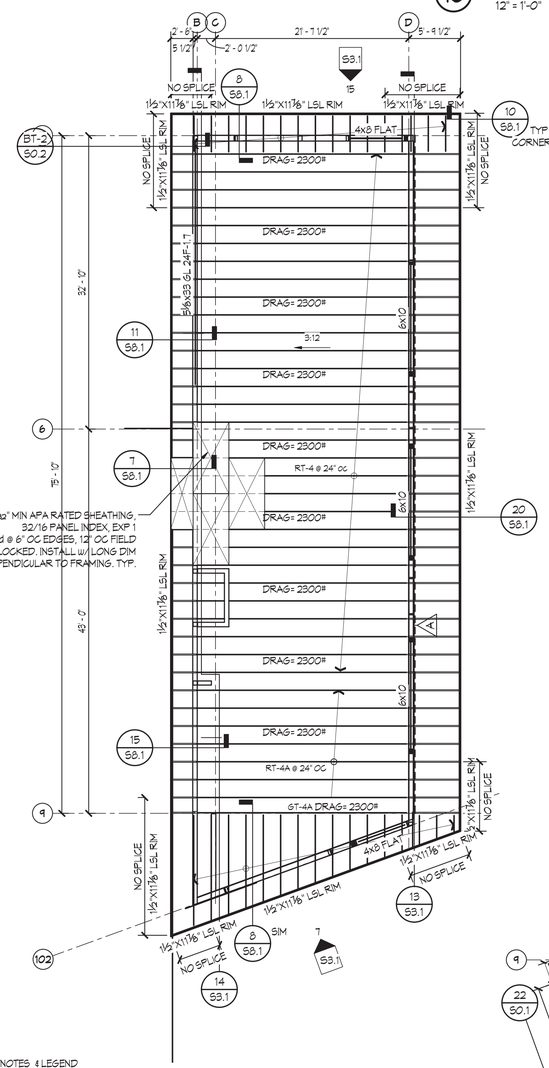
SHEAR WALL SCHEDULE						
MARK	SHTG (MIN THICKNESS)	AB	SHTG FSTNR	FSTNR SPACING EDGES	FSTNR SPACING FIELD	REMARKS
A	15/32" APA RATED STRUCT 1 SHTG, 24/0 PANEL INDEX, EXP 1	5/8"Φ L AB @ 48" OC	10d COMMON	6" OC	12" OC	
B	15/32" APA RATED STRUCT 1 SHTG, 24/0 PANEL INDEX, EXP 1	5/8"Φ L AB @ 32" OC	10d COMMON	4" OC	12" OC	3x MIN @ ADJOINING PANEL EDGES
C	15/32" APA RATED STRUCT 1 SHTG, 24/0 PANEL INDEX, EXP 1	5/8"Φ L AB @ 24" OC	10d COMMON	3" OC	12" OC	3x MIN @ ADJOINING PANEL EDGES

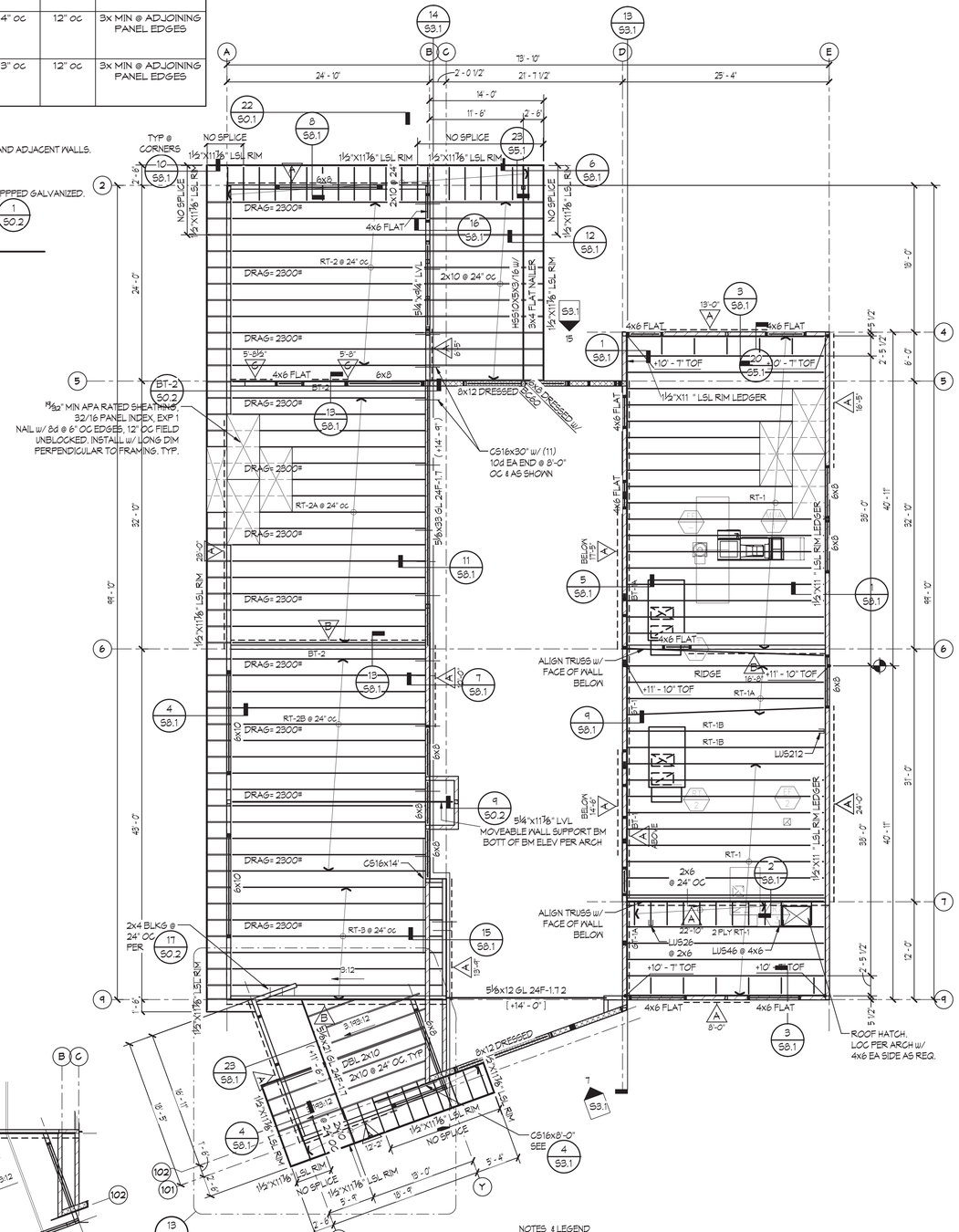
NOTES:

1. INSTALL WALL SHTG PRIOR TO CONSTRUCTION OF POP-OUTS AND ADJACENT WALLS.
2. BLOCK ALL PANEL EDGES.
3. ALL NAILS INTO PRESSURE TREATED SILL PL'S SHALL BE HOT DIPPPED GALVANIZED.
4. STICHED DBL 2x MAY BE USED IN LIEU OF 3x STUD/BLKG PER (1/50.2)

(16) SHEARWALL SCHEDULE

1/2" = 1'-0"





LEDGEND

- 2x6 DF NO 2 @ 16" OC
- 2x8 LSL 1.750Fb -1.3E @ 12" OC EXCEPT 16" OC ALONG GRID 5 BTWN A & B
- "-" SHEARWALL MARK w/ MIN LENGTH INDICATED (WHERE REQ'D) SEE SHEARWALL SCHEDULE TERMINATE SHEARWALL @ OPNGS PROVIDE EDGE NAILING @ KING STUDS

NOTES:

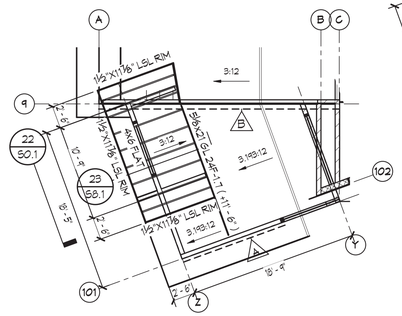
1. EXTERIOR WALLS NOT NOTED AS SHEARWALLS SHALL HAVE ½" SHEATHING, NAIL w/ 10d @ 6" OC EDGES, 12" OC FIELD. BLKG NOT REQ'D.
2. "TOF" DENOTES TOP OF FRAMING ELEVATIONS AND ARE TO THE UNDERSIDE OF PLYWOOD FROM FINISH FLOOR SLAB. TOP OF FRAMING ELEVATIONS SHALL BE SET TO CONFORM TO INDICATED UNDERSIDE OF PLYWOOD ELEVATION.
3. "FF HT" DENOTES TOP FF ELEVATION ABOVE FINISH 1st FLOOR.
4. "TOW" DENOTES TOP OF WALL ELEVATION ABOVE FINISH 1st FLOOR.
5. (2)2x(W) / (2)2x11⅞ STUDS FOR HEADER SUPPORT. PROVIDE KINGS & TRIMMERS AS REQ. SEE (21/50.1)
6. FOR WALL TOP FF SPLICE, SEE (23/50.1)
9. "RT" & "GT" DENOTES METAL PLATED WOOD TRUSSES. SEE (15/50.2)
10. (*"-*") DENOTES BOTTOM OF BM ELEV FROM FINISH FLOOR SLAB. BOTTOM OF BM TO BE AT HEAD OF OPNGS UON.
11. [*"-*"] DENOTES TOP FOR FRAMING FROM BOTTOM OF ROOF SHEATHING.

(21) RF FRMG NOTES & LEGEND

1/4" = 1'-0"

(17) HIGH ROOF FRAMING PLAN

1/8" = 1'-0"



(13) RF FRMG PLAN - QUIET RM

1/8" = 1'-0"

(9) LOW ROOF FRAMING PLAN

1/8" = 1'-0"

NOTES & LEGEND PER (21/52.2)

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
jh lawder, inc.
structural engineers
717 16th Street, Ste. 4, Modesto, CA 95354
(209) 521-1143 Fax: (209) 521-1581

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWDER No. 2310 Exp. 3-31-15 9/19/14 STRUCTURAL STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
1685 Gwin Road
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: JL
Checked By: JL

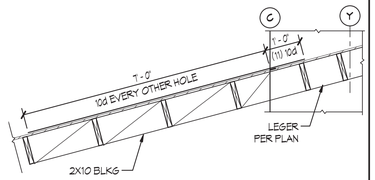
No.	Descripotion	Date	By
	BID SET 1 OCTOBER 2014		

ISSUED
9/19/14

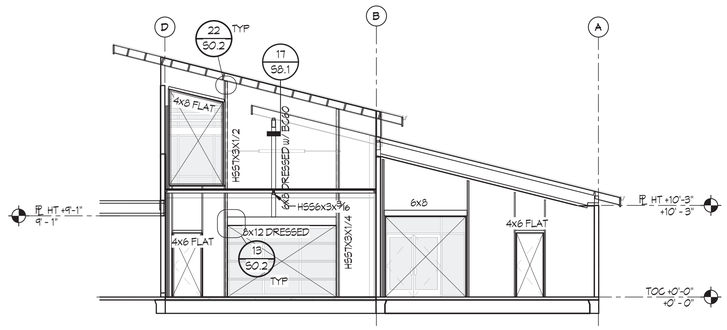
ROOF FRAMIING PLANS

S2.2

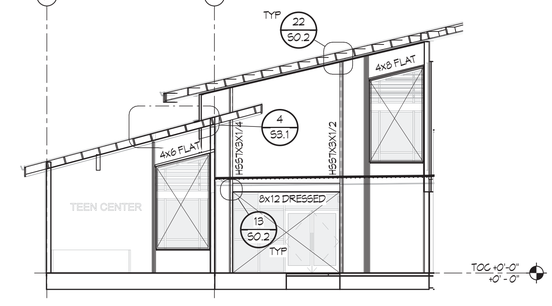
9/19/2014 2:35:53 PM



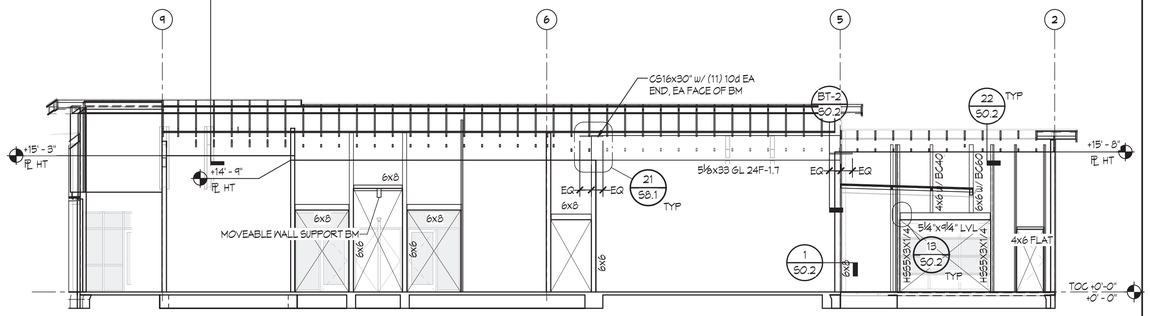
4 DETAIL
1/2" = 1'-0"



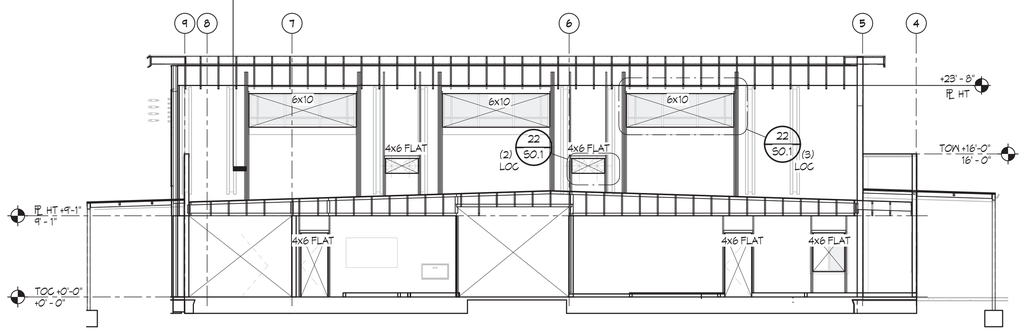
15 ELEVATION - GRID 5 LOOKING SOUTH
1/8" = 1'-0"



7 ELEVATION - GRIDS 101 & 102 LOOKING NORTHWEST
1/8" = 1'-0"



14 ELEVATION - GRIDS B & C LOOKING WEST
1/8" = 1'-0"



13 ELEVATION - GRID D LOOKING WEST
1/8" = 1'-0"

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
jh lawder, inc.
structural engineers
717 16th Street, Ste. 4, Modesto, CA 95354
(209) 521-1143 Fax: (209) 521-1581

REGISTERED PROFESSIONAL ENGINEER
John H. Lawder
No. 2310
Exp. 3-31-15
9/19/14
STRUCTURAL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
1685 Gwin Road
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: Author
Checked By: Checker

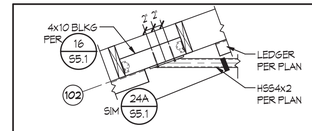
No.	Descripotion	Date	By
	BID SET 1 OCTOBER 2014		

ISSUED
9/19/14

FRAMING ELEVATIONS

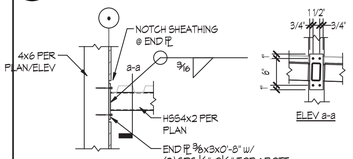
S3.1

9/19/2014 2:36:13 PM



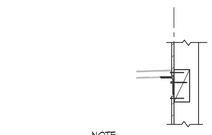
25 DETAIL - PLAN VIEW

3/4" = 1'-0"



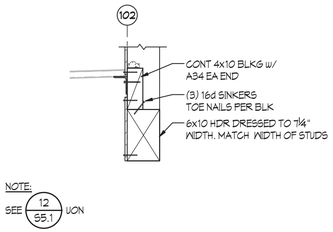
24 DETAIL

3/4" = 1'-0"



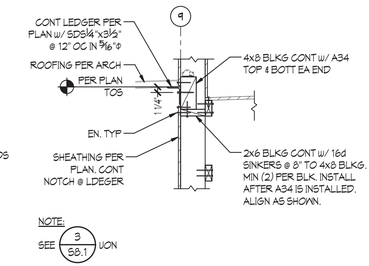
20 DETAIL

3/4" = 1'-0"



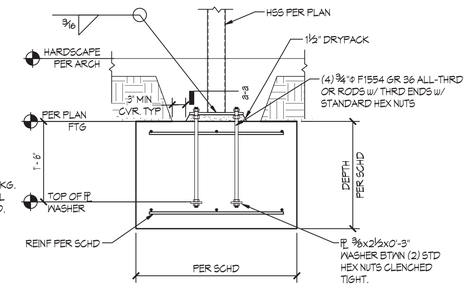
16 DETAIL

3/4" = 1'-0"

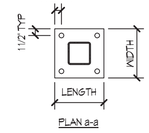


12 DETAIL

3/4" = 1'-0"

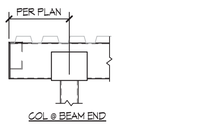


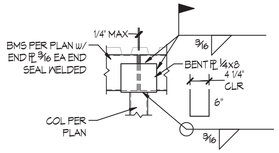
STEEL BASE PLATE			
COL	PL THICKNESS	WIDTH	LENGTH
HSS5X5	½"	11"	11"



8 TYP COLUMN FTG

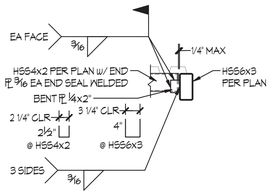
3/4" = 1'-0"





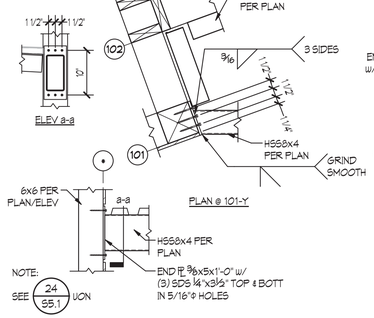
23 DETAIL

3/4" = 1'-0"



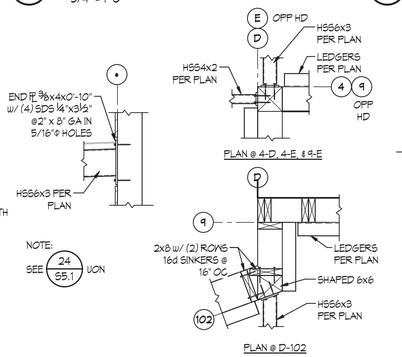
19 HSS BM HANGER DETAIL

3/4" = 1'-0"



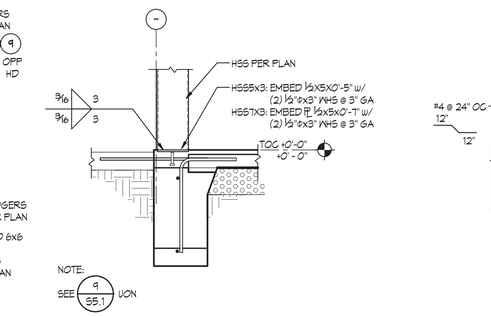
15 DETAIL

3/4" = 1'-0"



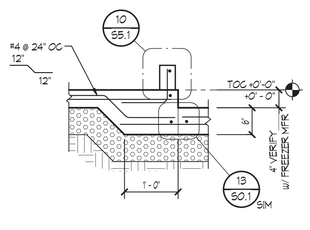
11 S51-D11

3/4" = 1'-0"



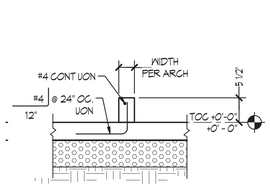
7 DETAIL

3/4" = 1'-0"



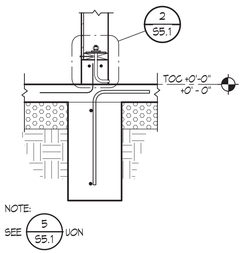
3 DETAIL - FREEZER SLAB

3/4" = 1'-0"



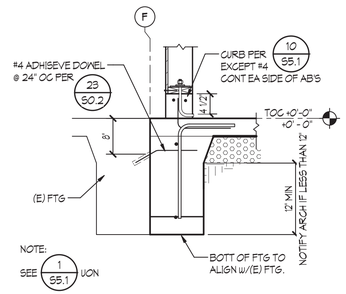
10 TYP CURB DETAIL

3/4" = 1'-0"



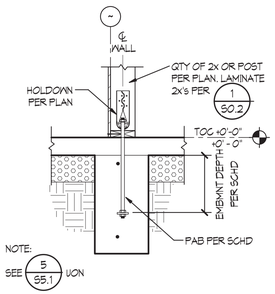
6 DETAIL

3/4" = 1'-0"



2 DETAIL

3/4" = 1'-0"

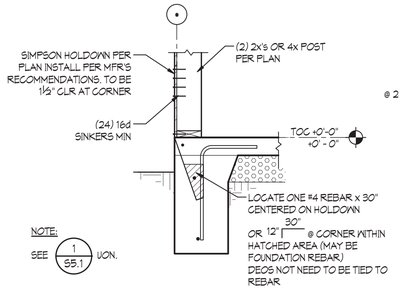


HDU/HDQ HOLDOWN			
HOLDOWN	SDS SCREWS	PAB SIZE	EMBD LENGTH
HDU2-SDS2.5	(6) SDS ¼"x2½"	PAB5	12"
HDU5-SDS2.5	(14) SDS ¼"x2½"	PAB5	12"
HDQ8-SDS3	(20) SDS ¼"x3"	PAB7	18"

NOTE: TOTAL PB ROD LENGTH EQUALS EMBD LENGTH + SLAB DEPTH + CURB DEPTH + REQ PROJECT ABOVE IND SILL PL

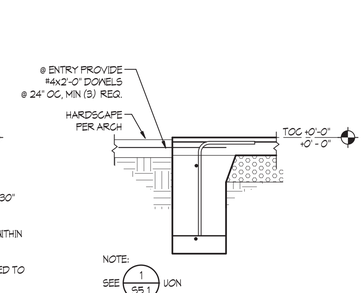
21 HDU/HDQ HOLDOWN DETAIL

3/4" = 1'-0"



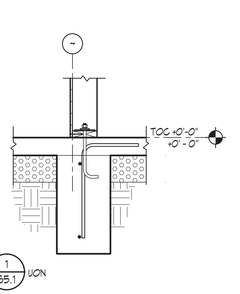
13 STHD14 HOLDOWN DETAIL

3/4" = 1'-0"



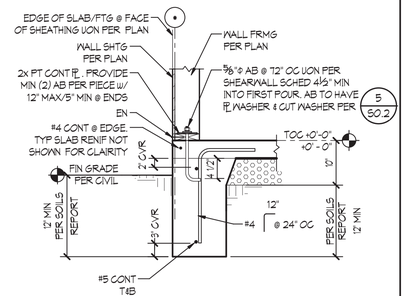
9 DETAIL

3/4" = 1'-0"



5 DETAIL

3/4" = 1'-0"



1 DETAIL

3/4" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
jh lawder, inc.
structural engineers
717 16th Street, Ste. 4, Modesto, CA 95354
(209) 521-1143 Fax: (209) 521-1581

REGISTERED PROFESSIONAL ENGINEER
No. 2310
Ext. 3-31-15
9/19/14
STRUCTURAL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
1685 Gwin Road
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: Author
Checked By: Checker

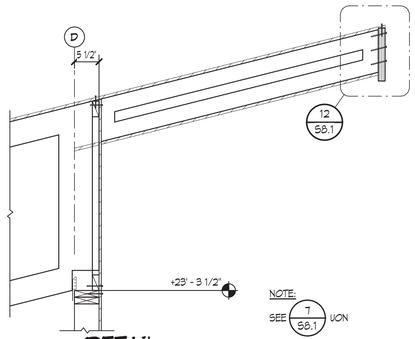
No.	Description	Date	By
	BID SET 1 OCTOBER 2014		

ISSUED
9/19/14

FONDATION DETAILS

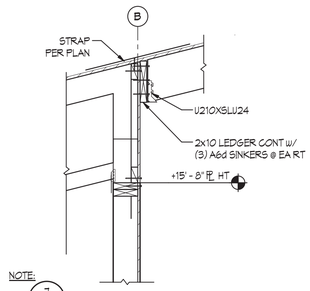
S5.1

9/19/2014 2:25:21 PM



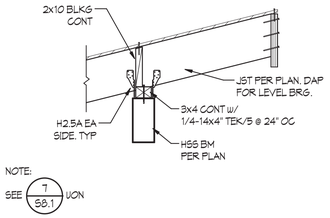
NOTE: SEE 7 / S8.1 UON

20 DETAIL
3/4" = 1'-0"



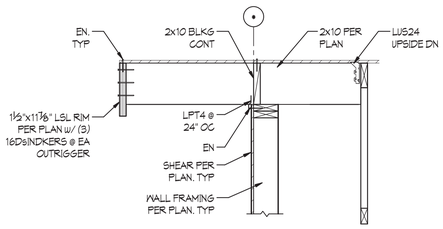
NOTE: SEE 7 / S8.1 UON

16 DETAIL
3/4" = 1'-0"

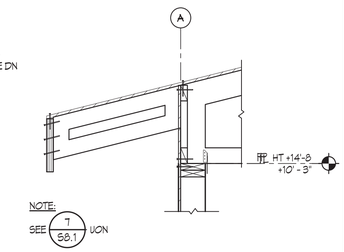


NOTE: SEE 7 / S8.1 UON

12 DETAIL
3/4" = 1'-0"

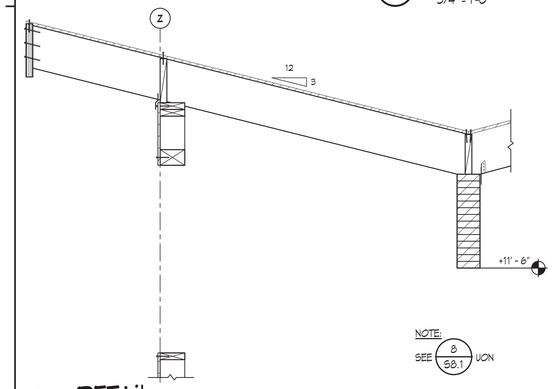


8 DETAIL
3/4" = 1'-0"



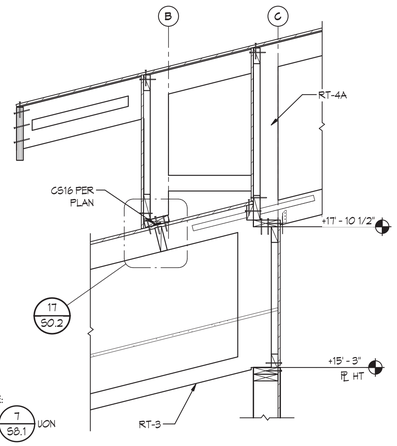
NOTE: SEE 7 / S8.1 UON

4 DETAIL
3/4" = 1'-0"



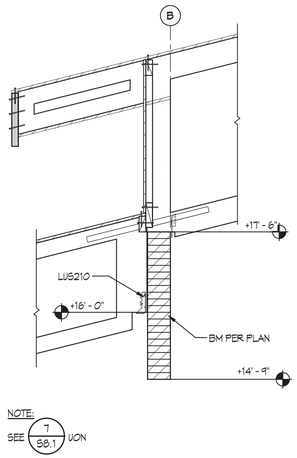
NOTE: SEE 8 / S8.1 UON

23 DETAIL
3/4" = 1'-0"



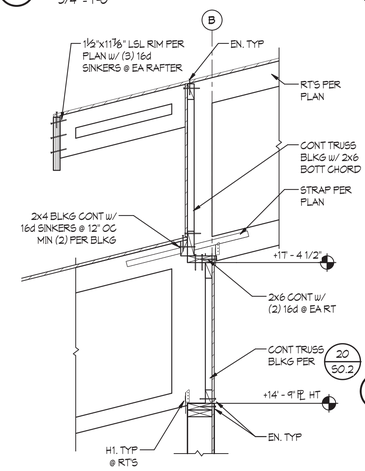
NOTE: SEE 7 / S8.1 UON

15 DETAIL
3/4" = 1'-0"

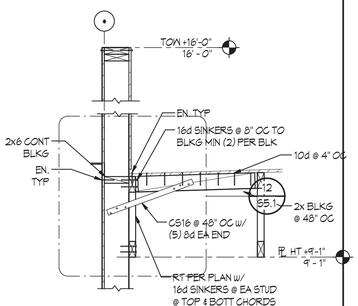


NOTE: SEE 7 / S8.1 UON

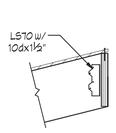
11 DETAIL
3/4" = 1'-0"



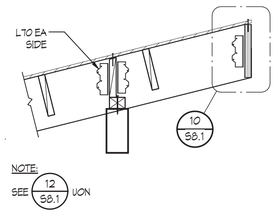
7 DETAIL
3/4" = 1'-0"



3 DETAIL
3/4" = 1'-0"

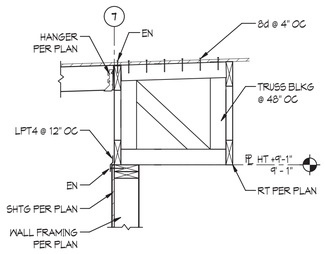


10 DETAIL
3/4" = 1'-0"

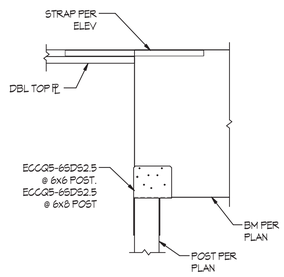


NOTE: SEE 12 / S8.1 UON

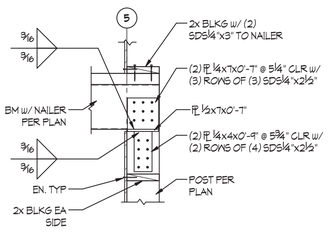
6 DETAIL
3/4" = 1'-0"



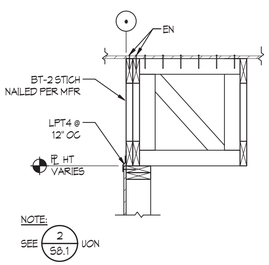
2 DETAIL
3/4" = 1'-0"



21 DETAIL
3/4" = 1'-0"

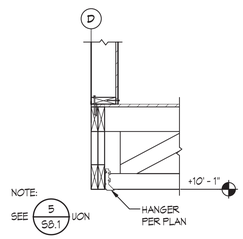


17 DETAIL
3/4" = 1'-0"



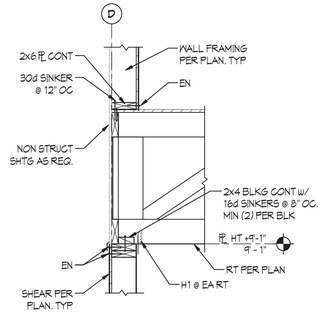
NOTE: SEE 2 / S8.1 UON

13 DETAIL
3/4" = 1'-0"

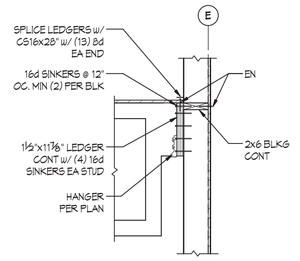


NOTE: SEE 5 / S8.1 UON

9 DETAIL
3/4" = 1'-0"



5 DETAIL
3/4" = 1'-0"



1 DETAIL
3/4" = 1'-0"

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:
jh lawder, inc.
structural engineers
717 16th Street, Ste. 4, Modesto, CA 95354
(209) 521-1143 Fax: (209) 521-1581

REGISTERED PROFESSIONAL ENGINEER
No. 2310
Exp. 3-31-15
9/19/14
STRUCTURAL
STATE OF CALIFORNIA

Client:
McKinleyville Community Services District

Project:
1685 Gwin Road
McKinleyville, CA
Teen Center

Project No.: 635-1-12
Drawn By: Author
Checked By: Checker

No.	Description	Date	By
	BID SET 1 OCTOBER 2014		

ISSUED
9/19/14

FRAMING DETAILS

S8.1

PLOT DATE: 9/19/2014 2:53:23 PM

DUCT & FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
SA		SUPPLY AIR
RA		RETURN AIR
OSA		OUTSIDE AIR
EA		EXHAUST AIR
ERA		ECONOMIZER RELIEF AIR
12x12	12x12	RECTANGULAR DUCT SIZE FIRST NUMBER INDICATES VISIBLE DIMENSION AND SECOND NUMBER INDICATES HIDDEN DIMENSION. ALL DIMENSIONS ARE INCHES.
12"ø	12"ø	ROUND DUCT DIAMETER
48x18ø	48x18ø	FLAT OVAL DUCT
		SUPPLY DUCT UP OR SECTION
		SUPPLY DUCT DOWN OR SECTION AWAY
		RETURN OR OSA DUCT UP OR SECTION
		RETURN OR OSA DUCT DOWN OR SECTION
		EXHAUST DUCT UP OR SECTION
		EXHAUST DUCT DOWN OR SECTION
		TRANSITION
SQR RND		SQUARE TO ROUND TRANSITION
		FLANGED TAKEOFF (RECTANGULAR DUCT)
		LATERAL HIGH EFFICIENCY TAKE-OFF FITTING W / VD (SQR TO RND TAKEOFF FROM RECTANGULAR MAIN)
VD ON BRANCH DUCT		
		CONICAL 90° TAKE-OFF (ROUND / OVAL DUCT)
		45° LATERAL TAKE-OFF (ROUND / OVAL DUCT)
R		DUCT SLOPE UP (RISE)
D		DUCT SLOPE DOWN (DROP)
		END CAP
		RECTANGULAR MITERED ELBOW W/ TURNING VANES
		RECTANGULAR TEE – 90° MITERED ELBOWS W/ TURNING VANES
R D or W	R	90° OR 45° LONG RADIUS ELBOW, R=1.5 DIA OR WIDTH (ROUND OR RECTANGULAR DUCT)

HVAC SYMBOLS & ABBREVIATIONS

	DUCT WITH INTERNAL ACOUSTICAL INSULATION
AD	ACCESS DOOR
	VOLUME DAMPER
FSD	COMBINATION FIRE / SMOKE DAMPER
FD	FIRE DAMPER
FD	VERTICAL FIRE DAMPER
M	MOTORIZED DAMPER
BD	BACKDRAFT DAMPER
	OPPOSED BLADE DAMPER
	PARALLEL BLADE DAMPER
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	DIRECTION OF AIRFLOW
	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	PRESSURE RELIEF GRILLE
	WALL OR DUCT REGISTER OR GRILLE
or	LINEAR DIFFUSER
	FILTER
AD	CEILING ACCESS DOOR
T	TEMPERATURE GAUGE
P	PRESSURE GAUGE
XX XXX (F)	OUTLET / INLET TAG AIRFLOW, CFM PREFIX (F) INDICATES A FIRE RATED GRILLE, REGISTER, OR DIFFUSER
H	HUMIDISTAT OR HUMIDITY SENSOR
T	THERMOSTAT OR TEMP SENSOR
D	DUCT SMOKE DETECTOR
SD	SMOKE DETECTOR
SP	STATIC PRESSURE SENSOR
CO_2	CARBON DIOXIDE SENSOR
ES	EMERGENCY SWITCH

GENERAL SYMBOLS

(C)	CAP FOR FUTURE
	POINT OF NEW CONNECTION
1	REVISION NUMBER
XX	POINT OF CONTINUATION
XX XX	EQUIPMENT TAG EQUIPMENT NUMBER
XX XX	SECTION (LETTER) OR DETAIL (NUMERICAL) DESIGNATION SHEET NUMBER
X XX	SECTION DESIGNATION SHEET NUMBER
GPM | X"	PIPE SIZE AND FLOW TAG
	GENERAL BREAK
	LINE BREAK
	ON DEMOLITION PLANS, INDICATES ITEMS TO BE REMOVED
A	DUCTWORK FITTING TYPE SEE HIGH PRESSURE FABRICATED FITTING CONSTRUCTION DETAILS
1	KEYED NOTES
(E)	EXISTING
(F)	FUTURE

NOTE: ABBREVIATIONS AND SYMBOLS ARE ARCSINE ENGINEERING STANDARDIZED SYMBOL LEGENDS. AS SUCH, ALL SYMBOLS SHOWN MAY NOT APPEAR ON OR WITHIN THIS SET OF CONTRACT DOCUMENTS.

GENERAL NOTES

1. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL HVAC SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS, INCLUDING ALL NECESSARY FEES AND PERMITS.
2. THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODE, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT AT THE DATE OF THE BID. CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS THAT THE PROJECT OWNER HAS. WHEREVER THE REQUIREMENTS OF THE SPECIFICATIONS OR DRAWINGS EXCEED THOSE OF THE ITEMS ABOVE, THE REQUIREMENTS OF THE SPECIFICATIONS OR DRAWINGS SHALL GOVERN.
3. PRIOR TO FABRICATION AND INSTALLATION, COORDINATE THE INSTALLATION OF ALL HVAC PIPING, DUCTWORK, AND EQUIPMENT WITH PLUMBING PIPING, PLUMBING EQUIPMENT, FIRE PROTECTION PIPING AND ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO: THE PLUMBING CONTRACTOR, ELECTRICAL CONTRACTOR, FIRE PROTECTION CONTRACTOR, GENERAL CONTRACTOR, AND ANY CONTRACTOR HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
4. THE DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENTS AND THE EXTENT OF THE SYSTEM. IT SHALL BE THE WORK OF THE CONTRACTOR TO MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES, OR MATERIAL REQUIRE PRIOR APPROVAL BY THE CONSULTING ENGINEER.
5. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
6. THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR HVAC EQUIPMENT AND PIPING SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL DRAWINGS.
7. SPACE ABOVE ALL CEILINGS IS LIMITED. CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED, FABRICATED, AND/OR INSTALLED. ANY CONFLICTS AND/OR CHANGES FOUND DURING INSTALLATION THAT RESULT FROM LACK OF COORDINATION BY THE CONTRACTORS DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
9. DETAILS: THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND USE WHERE APPROPRIATE ALL OF THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL DUCTWORK SHALL BE GALVANIZED STEEL, ROUND OR RECTANGULAR. GAUGE, REINFORCEMENT, AND SUPPORT SHALL BE PER SMACNA DUCT CONSTRUCTION STANDARDS. UNLESS NOTED OTHERWISE, SUPPLY AIR DUCTS SHALL BE CONSTRUCTED TO +2" PRESSURE STANDARD, RETURN DUCTS SHALL BE CONSTRUCTED TO -1" PRESSURE STANDARD. SEAL ALL DUCTS TO SMACNA CLASS 'B' STANDARDS. INSTALL IN CONFORMANCE TO MECHANICAL CODES. FLEXIBLE DUCTS SHALL BE INSULATED NONMETALLIC, FORM "NM-IL", MAXIMUM LENGTH OF 5'-0" AT DIFFUSER OR GRILLE CONNECTION. PROVIDE BUTTERFLY BALANCING DAMPERS WHERE SHOWN OR REQUIRED, ROUND OR RECTANGULAR, GALVANIZED SHEET METAL, WITH EXTERNAL INDICATING QUADRANT AND SETSCREW. PROVIDE TURNING VANES FOR ALL RECTANGULAR ELBOWS.
11. SHEET METAL DUCT SIZES SHOWN ARE NET CLEAR INSIDE DIMENSIONS. WHEN INTERNAL INSULATION IS REQUIRED, DUCT SIZE SHALL BE INCREASED TO PROVIDE NET CLEAR DIMENSIONS INDICATED.
12. CONTRACTOR SHALL INSTALL EXPOSED DUCTWORK IN A NEAT AND CLEAN MANNER AND UTILIZE SPIRAL DUCTWORK WHERE POSSIBLE. SCRATCHED OR DENTED DUCTWORK SHALL BE REPLACED. THE ARCHITECT AND/OR ENGINEER SHALL BE THE FINAL JUDGE OF ACCEPTANCE.
13. 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, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
14. PROVIDE LOCKING-TYPE TAMPER-RESISTANT CAPS FOR ALL REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS.
15. PROVIDE FLEXIBLE DUCT CONNECTORS WHERE DUCTS CONNECT TO AIR HANDLING EQUIPMENT.
16. CLASS I KITCHEN EXHAUST HOOD DUCT SYSTEMS:
    A. CONSTRUCT EXHAUST DUCT OF WELDED 16 GAGE CARBON STEEL SHEETS FOR CONCEALED DUCTS, AND WELDED OR FLANGED 18 GAGE STAINLESS STEEL FOR EXPOSED DUCTS.
    B. ALL SEAMS, JOINTS AND PENETRATIONS SHALL HAVE A LIQUID-TIGHT, CONTINUOUS, EXTERNAL WELD.
    C. PROVIDE AND INSTALL ONE OF THE FOLLOWING SYSTEMS:
        1) DUCT ENCLOSURE WITH 1-HR FIRE RESISTIVE CONSTRUCTION AS DESCRIBED IN SECTION 510 OF THE CMC, OR,
        2) A LISTED AND LABELED GREASE DUCT WRAP SYSTEM IN ACCORDANCE WITH ASTM E2336, OR,
        3) A FACTORY BUILT COMMERCIAL KITCHEN GREASE DUCT SYSTEM, LISTED AND LABELED IN ACCORDANCE WITH UL1978.

    WHICHEVER METHOD IS CHOSEN MUST HAVE APPROVAL FROM THE ADMINISTRATIVE AUTHORITY AND STATE FIRE MARSHALL.
17. CONTROLS: A THERMOSTAT RESPONDING TO TEMPERATURE IN THE ZONE SHALL CONTROL EACH HVAC ZONE. PROVIDE ELECTRONIC, PROGRAMMABLE THERMOSTATS WITH COOLING, 1 OR 2 STAGE HEATING, AUTOMATIC CHANGEOVER, NIGHT SETBACK, 2-HOUR MANUAL OVERRIDE, A 7-DAY, 24-HOUR CLOCK, L.E.D. INDICATOR, AND SET POINT ADJUSTMENT, AND A FAN ON/AUTO SWITCH. THERMOSTAT MUST BE CAPABLE OF RETAINING PROGRAMMING AND TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST 10 HOURS.
    A. CONTROL CAPABILITIES: THERMOSTATS SHALL BE CAPABLE OF BEING SET FROM 55 F TO 85 F AND SHALL BE CAPABLE OF PROVIDING A 5 F DEADBAND.
    B. THERMOSTAT SHALL BE CAPABLE OF PROGRAMMED FAN OPERATION, I.E. FAN OPERATES CONTINUOUSLY DURING OCCUPIED MODE AND CYCLES WITH DEMAND DURING UNOCCUPIED MODE.
    C. OPTIMUM START CONTROLS: EACH HVAC SYSTEM SHALL HAVE CONTROLS CAPABLE OF VARYING START-UP TIME TO JUST MEET SETPOINT AT TIME OF OCCUPANCY.
    D. SHUT-OFF DAMPERS: OUTDOOR AIR SUPPLY AND EXHAUST SYSTEMS SHALL BE EQUIPPED WITH CLASS 1 MOTORIZED DAMPERS WITH A MAXIMUM LEAKAGE RATE OF 4 CFM/SF AT 1.0" W.G. DAMPERS SHALL AUTOMATICALLY SHUT WHEN SYSTEMS OR SPACES SERVED ARE NOT IN USE OR DURING BUILDING WARM-UP, COOLDOWN, OR SETBACK. GRAVITY DAMPERS ARE ALLOWED ONLY FOR AIR VOLUMES OF 300 CFM OR LESS.
18. THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
19. ANY PART OF THIS INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
20. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, DAMPERS, AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.

GENERAL NOTES CONTINUED ON M0.1.

HVAC ABBREVIATIONS

ACFM	ACTUAL AIR – CUBIC FEET PER MINUTE
ACH	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AP	ACCESS PANEL
ARCH	ARCHITECT OR ARCHITECTURAL
ATD	AIR TRANSFER DUCT
BD	BACKDRAFT DAMPER
BLDG	BUILDING
BM	BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
CDV	CLOTHES DRYER VENT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONSTR	CONSTRUCTION
CV	CONSTRAINT VOLUME
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
DX	DIRECT EXPANSION (REFRIGERATION)
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION
ERA	ECONOMIZER RELIEF AIR
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
°F	FAHRENHEIT
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
FSD	COMBINATION FIRE / SMOKE DAMPER
GALV	GALVANIZED STEEL
GC	GENERAL CONTRACTOR
GM	GAS METER
GPM	GALLONS PER MINUTE
GRD	GRILLES, REGISTERS, DIFFUSERS
H	HUMIDISTAT
HDPE	HIGH-DENSITY POLYETHYLENE
HEPA	HIGH EFFICIENCY PARTICULATE AIR
HP	MOTOR HORSEPOWER
HVAC	HEATING, VENTING, AND CONDITIONING
HPW	HEAT PUMP WATER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
LB(S)	POUND, POUNDS
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT CAPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OA or OSA	OUTSIDE AIR
OMSC	2010 OREGON MECHANICAL SPECIALTY CODE
OSSC	2010 OREGON STRUCTURAL SPECIALTY CODE
PBD	PARALLEL BLADE DAMPER
PD	PRESSURE DRIP
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE / TEMPERATURE PLUG
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR
RECT	RECTANGULAR
RPM	REVOLUTIONS PER MINUTE
REQ'D	REQUIRED
SA	SUPPLY AIR
SCFM	STANDARD AIR – CUBIC FEET PER MINUTE
SEC	SECTION
SF or SQ FT	SQUARE FEET
SIM	SIMILAR
SM	SHEET METAL
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SP	STATIC PRESSURE
SPEC	SPECIFICATION OR SPECIFIED
SS	STAINLESS STEEL
STD	STANDARD
T	THERMOSTAT
TC	TEMPERATURE CONTROLS
TEMP	TEMPERATURE
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
W/	WITH
WG	WATER GAUGE

DRAWING LIST

M0.0	MECHANICAL LEGEND AND NOTES
M0.1	MECHANICAL SCHEDULES
M2.0	MECHANICAL PLAN
M4.0	MECHANICAL ROOF PLAN
M10.0	MECHANICAL DETAILS
M10.1	TITLE 24 FORMS
M10.2	TITLE 24 FORMS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER — JOHN K. KELLER — No. 30429 — exp. 12/31/15 — MECHANICAL — STATE OF CALIFORNIA

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1256 Olak Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JK
Checked By: DW

No.	Description	Date	By
1			
2			
3			
4			

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

MECHANICAL LEGEND, NOTES, SYMBOLS AND ABBREVIATIONS

M0.0

GENERAL NOTES, CONTINUED

21. ALL MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING MUST BE SEISMICALLY BRACED FOR THE SITE SPECIFIC SEISMIC DESIGN CATEGORY AND SEISMIC USE GROUP, IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF TITLE 24, ASHRAE, AND SMACNA. COORDINATE SITE SPECIFIC SEISMIC REQUIREMENTS WITH STRUCTURAL ENGINEER AND/OR ARCHITECT. PROVIDE SEISMIC PRODUCTS BY AMBER–BOOTH OR MASON INDUSTRIES. CONTRACTOR MANUFACTURED SEISMIC BRACING/RESTRAINT METHODS ARE NOT ACCEPTABLE. PROVIDE A SIGNED AND STAMPED LETTER FROM A PROFESSIONAL ENGINEER CERTIFYING THAT THE SUPPLIED PRODUCTS ARE CORRECT FOR THE APPLICATION AND THAT THE INSTALLATION IS IN COMPLIANCE WITH ALL APPLICABLE CODES.

22. CURB MOUNTED ROOFTOP EQUIPMENT: EQUIPMENT MUST BE POSITIVELY ATTACHED TO CURB TO RESIST SEISMIC FORCES. QUANTITY AND SIZE OF ATTACHMENTS AS REQUIRED BY APPROVED SEISMIC CALCULATION SUBMITTALS. CURBS MUST BE ATTACHED TO THE STRUCTURE PER APPROVED SEISMIC CALCULATIONS AND SUBMITTAL. THE STRUCTURAL ENGINEER OF RECORD MUST DETERMINE IF THE STRUCTURAL COMPONENT WILL WITHSTAND THE REQUIRED SEISMIC FORCES AND DEAD LOADS. ANCHORING OF CURB IS SUBJECT TO CURB MANUFACTURER'S APPROVAL. DESIGN OF EQUIPMENT AND CURB TO RESIST SEISMIC FORCES IS BY EQUIPMENT AND CURB MANUFACTURERS.

23. THE MECHANICAL CONTRACTOR SHALL FURNISH ALL REQUIRED MOTORS AND STARTERS. DISCONNECTS, WHEN NOT A PART OF THE EQUIPMENT, WILL BE FURNISHED BY THE ELECTRICAL CONTRACTOR.

24. THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2 1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1 1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.

25. THE CONTRACTOR IS RESPONSIBLE FOR HVAC EQUIPMENT CHECK–IN, SAFEKEEPING, AND DAMAGE.

26. DO NOT ROUTE DUCTS AND PIPES ABOVE ELECTRICAL PANELS. ALL ELECTRICAL PANELS MUST HAVE CLEAR ACCESS SPACE IN FRONT OF PANEL 4'–0" DEEP AND 6'–6" HIGH. DO NOT ROUTE DUCT AND PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.

27. COORDINATE EXACT LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.

28. PROPERLY LUBRICATE ALL PIECES OF EQUIPMENT BEFORE TURNING THE SYSTEM OVER TO THE OWNER.

29. TWO OPERATING AND MAINTENANCE MANUALS SHALL BE PROVIDED IN HARD BACK LOOSE LEAF BINDERS. MANUALS SHALL CONTAIN PRODUCT CUT SHEETS AND OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL EQUIPMENT, ACCESSORIES, FIXTURES, VALVES, ETC., PROVIDED FOR THE PROJECT. PROVIDE LIST OF EQUIPMENT WITH ALL NAMEPLATE DATA INCLUDING TAG #, MODEL NUMBER, SERIAL NUMBER, AND NAME OF LOCAL REPLACEMENT PARTS SUPPLIER.

30. UPON COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS AND RUBBISH. MAKE ALL REQUIRED PATCHING AND REPAIRS OF OTHER TRADES' WORK DAMAGED BY THE MECHANICAL CONTRACTOR, AND LEAVE THE PREMISES IN A CLEAN, ORDERLY CONDITION.

31. THE CONTRACTOR SHALL, DURING CONSTRUCTION, MAINTAIN A SET OF AS–BUILT REDLINED RECORD DRAWINGS AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, AND ACCESSORIES SHALL BE RECORDED. THE CONTRACTOR IS RESPONSIBLE FOR CONVERTING THE CONSTRUCTION REDLINE DRAWINGS INTO "AS BUILT" DRAWINGS USING AUTOCAD BACKGROUNDS PROVIDED BY THE ENGINEER. IF THE CONTRACTOR DOES NOT HAVE AUTOCAD DRAFTING CAPABILITIES, THE CONTRACTOR SHALL HIRE THE ENGINEER TO PRODUCE THE "AS BUILT" DRAWINGS FROM HIS FIELD REDLINES. COMPLETED AUTOCAD "AS BUILTS" SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION.

PACKAGED ROOFTOP HEATING AND AIR CONDITIONING UNIT SCHEDULE

TAG	TOTAL AIR FLOW CFM	MINIMUM OUTSIDE AIR CFM	OUTSIDE AIR TEMP.	FAN ESP IN. WC	COOLING				REFRIG-ERANT	SEER	HEATING FUEL	HEATING CAPACITY IN/OUT MBH	THERMAL EFF	FAN MOTOR SIZE HP	ELECTRICAL				WEIGHT	MANUFACTURER	MODEL	NOTES
					TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	EDB TEMP	EWB TEMP							VOLTS	PHASE	MCA	MOCP				
RT-1	1,950	765	70	0.8	63.9	42.2	72.0	53.6	R-410A	15	N.G.	130/104	80%	1	230	1	41.4	60	981	TRANE	YHC060	1-6
RT-2	1,600	465	70	0.7	50.7	31.8	70.0	52.9	R-410A	15	N.G.	80 / 64	80%	1	230	1	37.3	50	922	TRANE	YHC048	1-6
RT-3	1,200	285	70	0.5	40.6	30.5	74.0	51.8	R-410A	15	N.G.	60 / 48	80%	3/4	230	1	28.3	45	664	TRANE	YHC036	1-6

NOTES:
1. PROVIDE 14" ROOF CURB.
2. PROVIDE FULLY MODULATING ECONOMIZER WITH POWER EXHAUST.
3. PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT.
4. PROVIDE "COMPLETECOAT" (OR EQUAL) CONDENSER COIL COATING FOR SEACOAST ENVIRONMENT.
5. PROVIDE STAINLESS STEEL HEAT EXCHANGER
6. PROVIDE DUCT MOUNTED CO2 SENSOR AND DEMAND CONTROL VENTILATION LOGIC/SEQUENCE.

MAKE UP AIR UNIT SCHEDULE

TAG	AIR FLOW (CFM)	ESP (IN)	GAS HEATING						ELECTRICAL						MANUFACTURER	MODEL	WEIGHT	NOTES
			GAS TYPE	INPUT (MBH)	OUTPUT (MBH)	MIN. EFF	EAT	LAT	BHP	FAN HP	VOLTS	PHASE	MCA	MOCP				
MUA-1	2,950	0.50	N.G.	200	160	0.8	31.0	81.2	1.35	1.5	230	1	15	20	GREENHECK	IGX-110-H12	1,030	1-5
NOTES:	1. PROVIDE DOUBLE WALL INSULATION FOR ENTIRE UNIT																	
	2. PROVIDE 12" ROOF CURB, WEATHERHOOD WITH BIRDSCREEN, 2" MESH FILTERS, MOTORIZED INLET DAMPER																	
	3. PROVIDE 2-STAGE FURNACE CONTROL AND VERTICAL STACK VENTING																	
	4. PROVIDE PERMATECTOR (OR EQUAL) FINISH FOR SEA COAST ENVIRONMENT.																	
	5. PROVIDE KITCHEN CONTROL PANEL WITH SWITCHES FOR LIGHTS, FAN AND HEAT.																	

FAN SCHEDULE

TAG	SERVICE	TYPE	CFM	ESP	ELECTRICAL			MANUFACTURER	MODEL	WEIGHT	NOTES
					VOLTS	PHASE	HP / WATTS				
EF-1	JANITOR	CEILING MNT	50	0.25	120	1	45 W	GREENHECK	SP-B70	10	2,3
EF-2	TOILET ROOMS	DOME	490	0.25	120	1	1/6	GREENHECK	G-090-VG	50	1,4
EF-3	GREASE HOOD	HIGH PLUME	2,550	0.50	230	1	3	GREENHECK	VK-H-12-11	510	5,6
EF-4	DISHWASHER HOOD	UPBLAST	525	0.25	120	1	1/6	GREENHECK	CUE-085-VG	55	1,4
EF-5	VESTIBULE 113	CEILING MNT	150	0.25	120	1	150 W	GREENHECK	SP-B150	20	3,7
NOTES:	1. PROVIDE ECM MOTOR WITH SPEED CONTROL										
	2. CONTROL WITH WALL MOUNTED ON-OFF SWITCH										
	3. PROVIDE WITH ROOF CAP										
	4. PROVIDE ROOF CURB AND MOTORIZED DAMPER										
	5. UL/cUL LISTED.										
	6. PROVIDE WITH ROOF CURB.										
	7. CONTROL WITH WALL MOUNTED THERMOSTAT SET TO 75 F.										

DIFFUSER AND GRILLE SCHEDULE

TAG	TYPE	INLET SIZE	FACE SIZE	PANEL SIZE	CFM RANGE	THROW PATTERN	MFGR	MODEL	NOTES
SG-1	SUPPLY AIR	6" RND	24x24	24x24	0-175	4-WAY	PRICE	SPD / 31	1
SG-2	SUPPLY AIR	8" RND	24x24	24x24	175-315	4-WAY	PRICE	SPD / 31	1
SG-3	SUPPLY AIR	10" RND	24x24	24x24	315-440	4-WAY	PRICE	SPD / 31	1
SG-4	SUPPLY AIR	10x8	--	--	300	2-WAY	PRICE	520D / L / SDF	3
SG-5	SUPPLY AIR	6x6	11x11	--	0-150	ADJ.	PRICE	SMCD / 6	2,4
SG-6	SUPPLY AIR	10x10	15x15	--	150-350	ADJ.	PRICE	SMCD / 6	2,4
SG-7	SUPPLY AIR	12x6	--	--	205	2-WAY	PRICE	520D / L / A	2
SG-8	SUPPLY AIR	14x10	--	--	390	2-WAY	PRICE	520 / L / A	2
SG-9	SUPPLY AIR	10x8	--	--	300	2-WAY	PRICE	520D / L / A	2,4
RG-1	RETURN AIR	--	10x22	12x24	0-450	--	PRICE	80 / TB	1
RG-2	RETURN AIR	--	22x22	24x24	450+	--	PRICE	80 / TB	1
RG-3	RETURN AIR	24x8	--	--	--	--	PRICE	530 / F / L / A	2
RG-4	RETURN AIR	28x14	--	--	--	--	PRICE	530 / L / SDF	3
RG-5	RETURN AIR	16x20	--	--	--	--	PRICE	530 / S / L / A	2
RG-6	RETURN AIR	6x6	--	--	--	--	PRICE	80 / F	2,4
RG-7	RETURN AIR	14x10	--	--	--	--	PRICE	530 / F / L / A	2
EG-1	EXHAUST AIR	10x10	--	--	--	--	PRICE	80 / F	2,4
NOTES:	1. TEE BAR MOUNT								
	2. SURFACE MOUNT								
	3. DUCT MOUNT WITH SPIRAL DUCT FRAME (SDF)								
	4. PROVIDE OBD								

2

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT ... STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER JOAN KALER No. 30429 EXP.: 12/31/15 MECHANICAL STATE OF CALIFORNIA

ArcSine engineering
A full-spectrum engineering company
960 Executive Way | Redding, CA 96002 | (530)222-7204
1238 Disk Drive | Medford, OR 97501 | (541)842-4769
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arcsine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JK
Checked By: DW

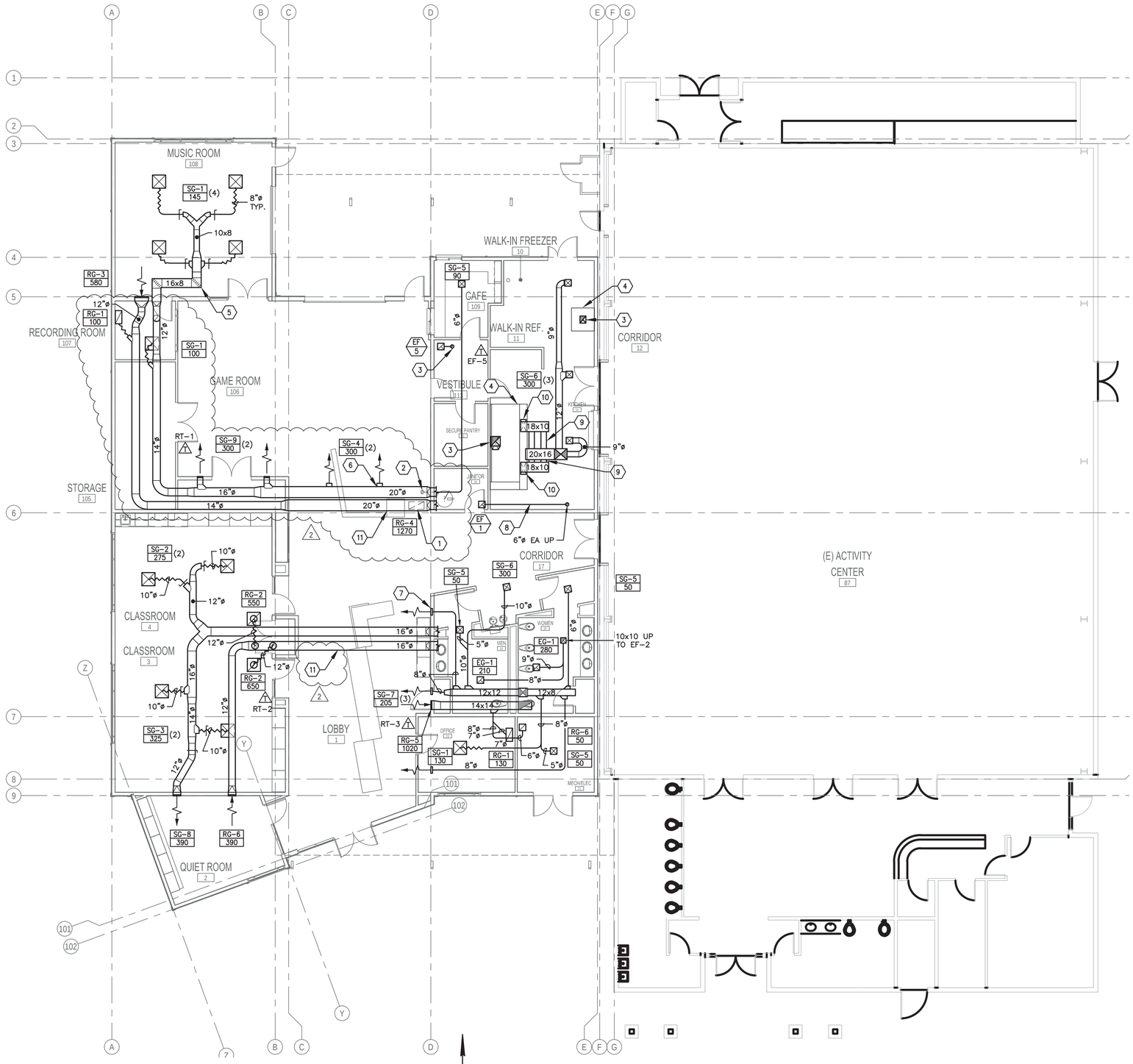
No.	Description	Date	By
1	CITY REVIEW	9/12/14	JMK
2	OWNER CHANGES	9/12/14	JMK

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

MECHANICAL SCHEDULES

M0.1



MECHANICAL PLAN

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

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

GENERAL NOTES

A. ROUTE MAIN SUPPLY AIR & RETURN AIR DUCTS BETWEEN OPEN WEB ROOF TRUSS. EXACT LOCATION OF DUCTS WILL BE DETERMINED BY ROOF TRUSS LOCATION.

B. SOUND LINE ALL SUPPLY AIR & RETURN AIR DUCTS FOR TEN FEET BEYOND 90° ELBOW UP TO RTU.

KEYED NOTES

1. RETURN GRILLE ON BOTTOM OF EXPOSED DUCT.
2. 6" DUCT OFF BOTTOM OF SUPPLY MAIN. DROP DOWN TO RUN THROUGH STRUCTURE BELOW FLAT ROOF.
3. UP TO FAN ON ROOF ABOVE. SEE M4.0.
4. KITCHEN HOODS BY KITCHEN EQUIPMENT SUPPLIER.
5. INSTALL DUCTWORK ABOVE ANGLED T-BAR CEILING. SPACE IS LIMITED, COORDINATE WITH LIGHTS.
6. SUPPLY GRILLE ON SIDE OF EXPOSED DUCT. INSTALL AT 45° ANGLE DOWN, TYPICAL.
7. SIDEWALL GRILLE, TYPICAL. COORDINATE LOCATION/HEIGHT WITH ARCHITECTURAL SECTIONS.
8. OFFSET EF-1 EXHAUST DUCT AS REQUIRED TO KEEP DISCHARGE AWAY FROM FRESH AIR INTAKE(S) ON ROOF ABOVE. SEE M4.0.
9. TWO 10"ø DUCTS THROUGH STRUCTURE TO CONNECT 20x16 DUCT TO 18x10 DUCT.
10. DROP AND CONNECT TO SUPPLY PLENUM ON FRONT OF HOOD. TRANSITION AS REQUIRED.
11. EXPOSED SPIRAL DUCT BETWEEN GRID LINES C AND D. CENTER OF DUCT AT 14'-8" AFF, TYPICAL.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — JOHN KELLER — C2 [illegible] — STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER — JOHN KELLER — NO. 30429 — EXP. 12/31/15 — MECHANICAL — STATE OF CALIFORNIA

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1256 Olak Drive | Medford, OR 97501 | (541)842-4188
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JK
Checked By: DW

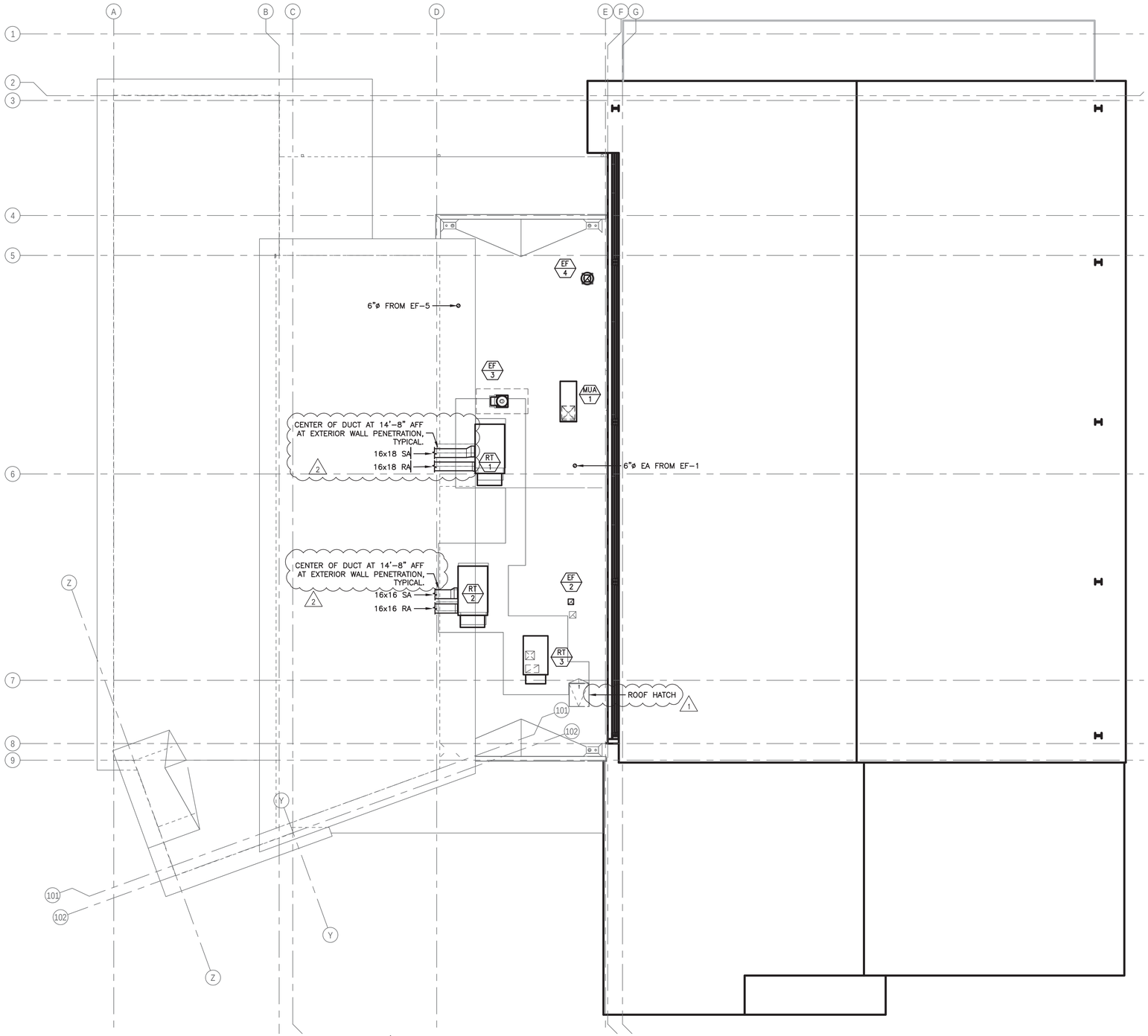
No.	Description	Date	By
1	CITY REVIEW	9/12/14	JMK
2	OWNER CHANGES	9/12/14	JMK

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

MECHANICAL PLAN

M2.0



N

MECHANICAL ROOF PLAN

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

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER — JOHN R. KELLER — No. 30429 — exp: 12/31/15 — MECHANICAL — STATE OF CALIFORNIA

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JK
Checked By: DW

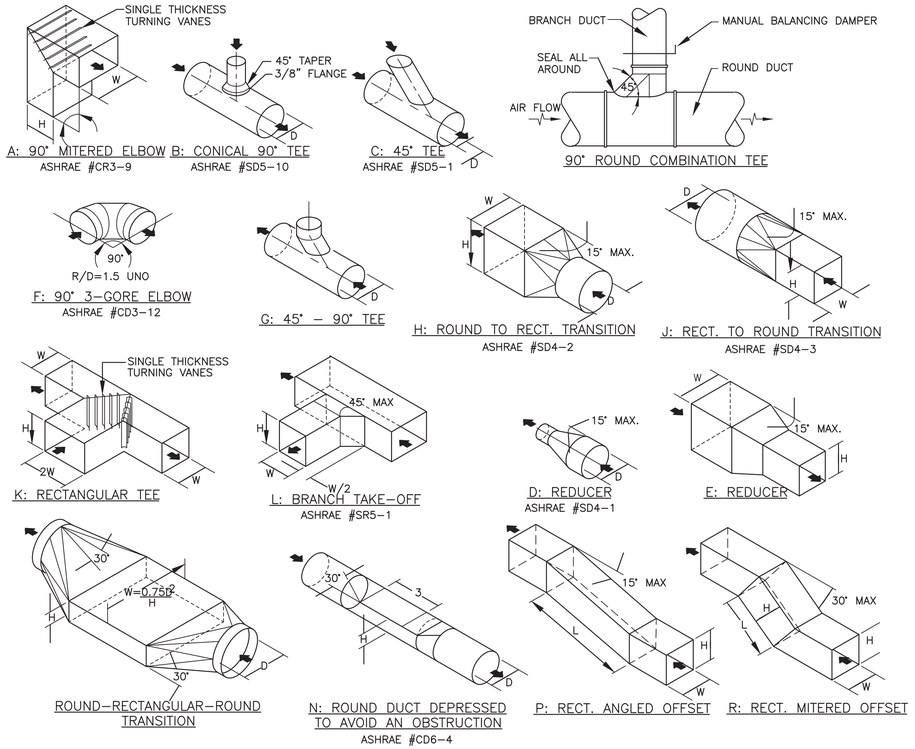
No.	Description	Date	By
1	CITY REVIEW	9/12/14	JMK
2	OWNER CHANGES	9/12/14	JMK
3			
4			

BID SET 1 OCTOBER 2014

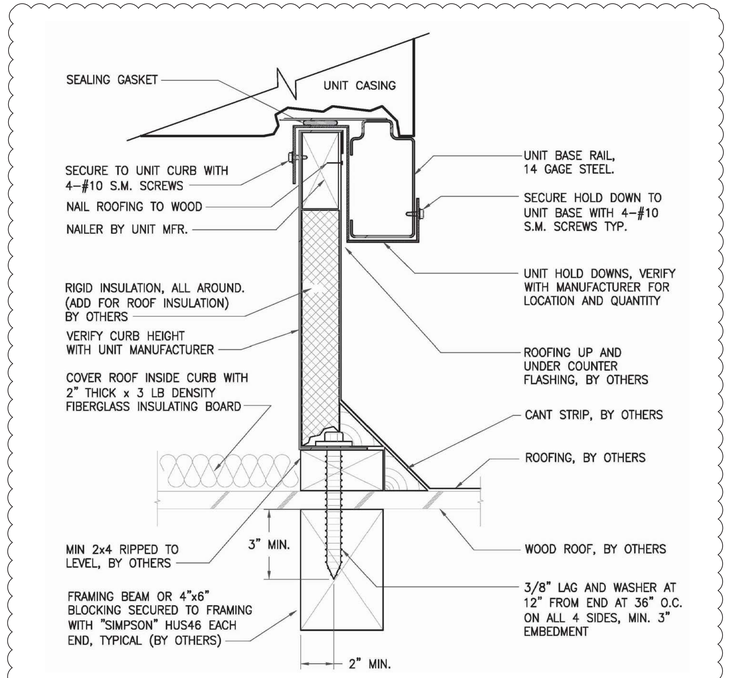
PLAN CHECK SET
JUNE 27, 2014

MECHANICAL ROOF PLAN

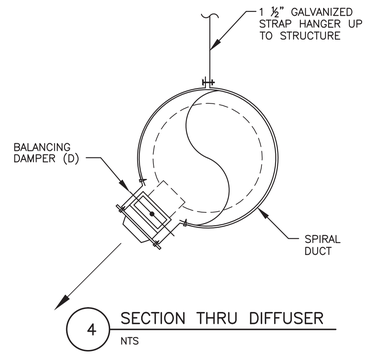
M4.0



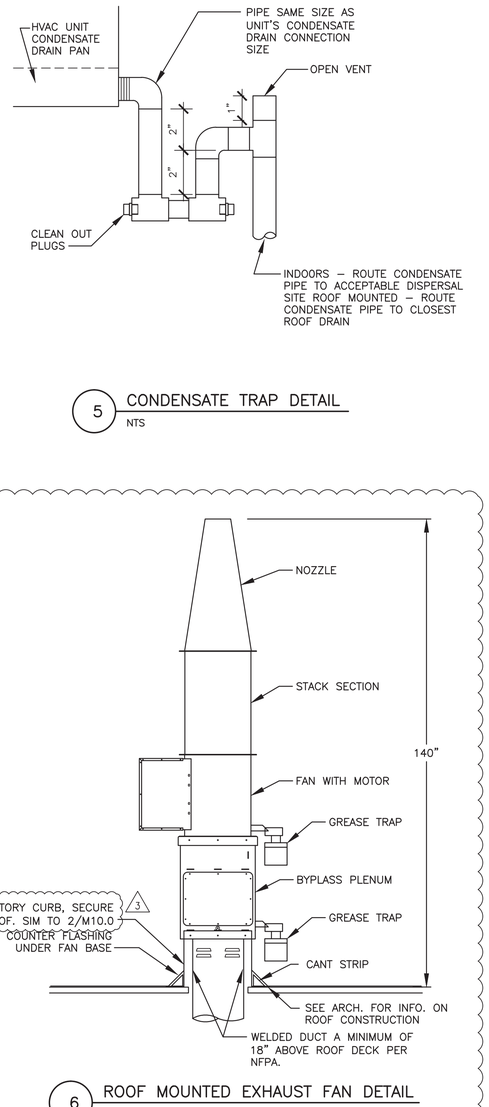
7 LOW PRESSURE DUCT CONSTRUCTION DETAILS
NTS



8 ROOFTOP UNIT MOUNTING DETAIL
NTS

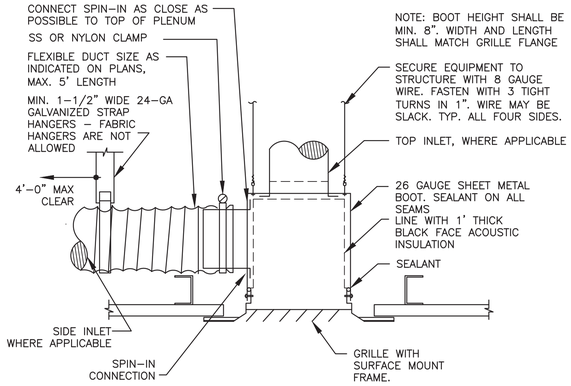


4 SECTION THRU DIFFUSER
NTS

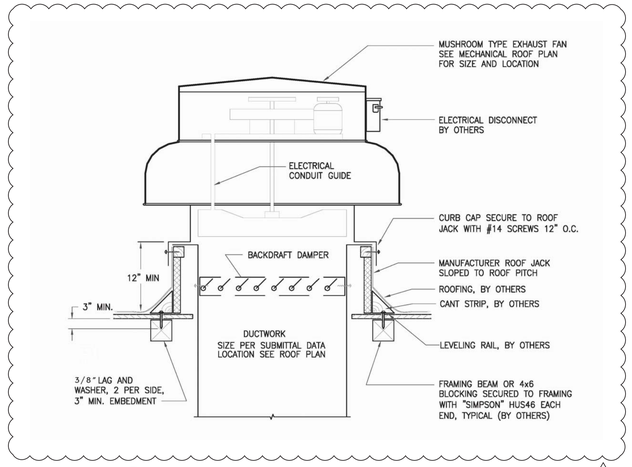


5 CONDENSATE TRAP DETAIL
NTS

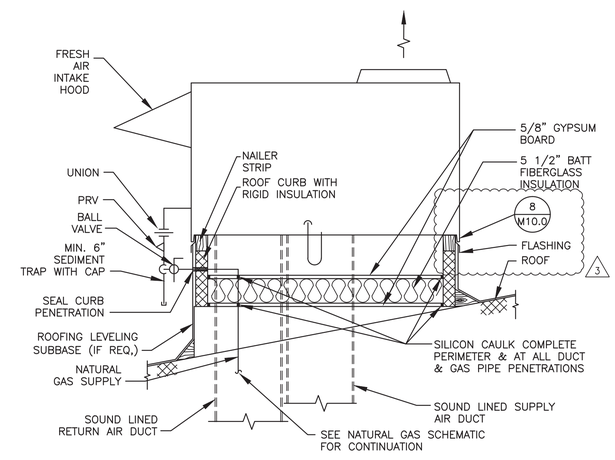
6 ROOF MOUNTED EXHAUST FAN DETAIL
NTS



TYPICAL SUPPLY/RETURN
1 GRILLE MOUNTING (SURFACE MOUNT)
NTS



2 ROOF MOUNTED EXHAUST FAN
NTS



NOTE: SEE ARCHITECTURAL PLANS FOR ROOF CONSTRUCTION AND PITCH.

3 ROOFTOP PACKAGED AIR CONDITIONING UNIT
NTS

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT WILLIAM J. WOHLE C28388 September 2015 STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER JOHN KALLER No. 30429 Exp.: 12/31/15 MECHANICAL STATE OF CALIFORNIA

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1258 Disk Drive | Medford, OR 97501 | (541)842-4188
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JK
Checked By: DW

No.	Description	Date	By
1	CITY REVIEW	9/12/14	JMK
2	OWNER CHANGES	9/12/14	JMK
3	CITY REVIEW #2	10/1/14	JMK
4	BID SET 1 OCTOBER 2014		

PLAN CHECK SET
JUNE 27, 2014

MECHANICAL DETAILS

M10.0

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 1 of 3) PERF-1C

Project Name			Date
McKinleyville Teen Center			*6/17/2014*
Project Address	**Climate Zone**	**Total Cond. Floor Area**	**Addition Floor Area**
1705 Gwin Rd McKinleyville	*CA Climate Zone 01*	*6,096*	*6,096*

GENERAL INFORMATION

Building Type: ☑ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel Guest Room ☐ Relocatable - indicate ☐ specific climate zone ☐ all climates

Phase of Construction: ☐ New Construction ☑ Addition ☐ Alteration

STATEMENT OF COMPLIANCE

This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a Building using the performance compliance approach.

The documentation author hereby certifies that the documentation is accurate and complete.

Documentation Author

Name: *John Keller* Signature: Date: *6/17/2014*

Company: *ArcSine Engineering* Phone: *530-222-7204*

Address: *950 Executive Way*

City/State/Zip: *Redding, CA 96002*

The Principal Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the energy efficiency requirements contained in sections 110, 116 through 118, and 140 through 149 of Title 24, Part 6. Please check one:

ENV.	LTG.	MECH.	
☐	☐	☐	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.
☐	☐	☐	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.
☐	☐	☐	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.

Principal Envelope Designer

Name: Signature: Date:

Company: *Envelope Compliance Not In The Scope Of This Document* License #:

Address: Phone:

City/State/Zip:

Principal Mechanical Designer

Name: *John Keller* Signature: Date: *6/17/14*

Company: *ArcSine Engineering* License #: *30429*

Address: *950 Executive Way* Phone: *530-222-7204*

City/State/Zip: *Redding, CA 96002*

Principal Lighting Designer

Name: Signature: Date:

Company: *Lighting Compliance Not In The Scope Of This Submittal* License #:

Address: Phone:

City/State/Zip:

INSTRUCTIONS TO APPLICANT COMPLIANCE & WORKSHEETS (check box if worksheets are included)

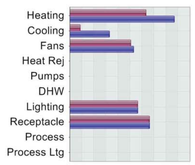
☐	ENV-1C	Certificate of Compliance. Required on plans.	☑	MECH-1C	Certificate of Compliance. Required on plans.
☐	LTG-1C	Certificate of Compliance. Required on plans.	☑	MECH-2C	Air/Water Side/Service Hot Water & Pool Requirements.
☐	LTG-2C	Lighting Controls Credit Worksheet.	☑	MECH-3C	Mechanical Ventilation and Reheat.
☐	LTG-3C	Indoor Lighting Power Allowance.	☑	MECH-5C	Mechanical Equipment Details.

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 2 of 3) PERF-1C

Project Name	Date
McKinleyville Teen Center	*6/17/2014*

ANNUAL TDV ENERGY USE SUMMARY (kBtu/sqft-yr)

Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	*87.14*	*63.45*	*23.69*
Space Cooling	*33.02*	*8.80*	*24.22*
Indoor Fans	*53.21*	*50.80*	*2.42*
Heat Rejection	*0.00*	*0.00*	*0.00*
Pumps & Misc.	*0.00*	*0.00*	*0.00*
Domestic Hot Water	*0.00*	*0.00*	*0.00*
Lighting	*56.67*	*56.67*	*0.00*
Receptacle	*66.35*	*66.35*	*0.00*
Process	*0.00*	*0.00*	*0.00*
Process Lighting	*0.00*	*0.00*	*0.00*
TOTALS	*296.39*	*246.06*	*50.33*



Percent better than Standard: *17.0 %* (*17.0 %* excluding process)

BUILDING COMPLIES

GENERAL INFORMATION

Building Orientation	*(S) 180 deg*	Conditioned Floor Area	*6,096* sqft.
Number of Stories	*1*	Unconditioned Floor Area	*0* sqft.
Number of Systems	*4*	Conditioned Footprint Area	*0* sqft.
Number of Zones	*4*	Natural Gas Available On Site	*Yes*

	Orientation	Gross Area		Glazing Area		Glazing Ratio
Front Elevation	*(S)*	*1,023*	sqft.	*259*	sqft.	*25.3 %*
Left Elevation	*(W)*	*1,100*	sqft.	*101*	sqft.	*9.1 %*
Rear Elevation	*(N)*	*1,059*	sqft.	*205*	sqft.	*19.4 %*
Right Elevation	*(E)*	*1,115*	sqft.	*295*	sqft.	*26.4 %*
Total		*4,297*	sqft.	*859*	sqft.	*20.0 %*
Roof		*6,001*	sqft.	*0*	sqft.	*0.0 %*

	Standard		Proposed		
Prescriptive Lighting Power Density	*0.905*	W/sqft.	*0.905*	W/sqft.	Prescriptive Values for Comparison only. See LTG-1C for allowed LPD.
Prescriptive Envelope TDV Energy	*93,825*		*99,538*		

Remarks:

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 3 of 3) PERF-1C

Project Name	Date
McKinleyville Teen Center	*6/17/2014*

ZONE INFORMATION

System Name	Zone Name	Occupancy Type	Floor Area (sqft.)	Inst. LPD (W/sf)[1]	Ctrl. Credits (W/sf)[2]	Allowed LPD Area (W/sf)[3]	Allowed LPD Tailored (W/sf)[4]	Proc. Loads (W/sf)
RT-1	*Undefined Zone*	*Comp Bldg All Other*	*2,242*	**0.600*				
Kitchen	*Kitchen*	*Kitchen, Food Preparation*	*620*	**1.600*				
RT-2	*Undefined Zone*	*Classroom, Lecture, Training*	*1,235*	**1.200*				
RT-3	*Undefined Zone*	*Comp Bldg Office*	*2,000*	**0.850*				

Notes: 1. See LTG-1C (items marked with asterisk, see LTG-1-C by others) 2. See LTG-2C 3. See LTG-3C (by others) 4. See LTG-4C Items above require special documentation

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justifications, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

The Room Mech\Elec 22 has a Heating Indoor Design Temperature of 50 degrees F.

The Room Mech\Elec 22 has a Cooling Indoor Design Temperature of 95 degrees F.

The HVAC System Trane YHC060 includes an Economizer. This system has a cooling output < 75,000 Btuh or a supply cfm < 2500.

The HVAC System Trane YHC048 includes an Economizer. This system has a cooling output < 75,000 Btuh or a supply cfm < 2500.

The HVAC System Trane YHC036 includes an Economizer. This system has a cooling output < 75,000 Btuh or a supply cfm < 2500.

The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp _____

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 4) MECH-1C

Project Name			Date
McKinleyville Teen Center			*6/17/2014*
Project Address	**Climate Zone**	**Total Cond. Floor Area**	**Addition Floor Area**
1705 Gwin Rd McKinleyville	*1*	*6,096*	*6,096*

GENERAL INFORMATION

Building Type: ☑ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel Guest Room ☐ Schools (Public School) ☐ Relocatable Public School Bldg. ☑ Conditioned Spaces ☐ Unconditioned Spaces (affidavit)

Phase of Construction: ☐ New Construction ☑ Addition ☐ Alteration

Approach of Compliance: ☐ Component ☐ Overall Envelope TDV Energy ☐ Unconditioned (file affidavit)

Front Orientation: N, E, S, W or in Degrees: *180 deg*

HVAC SYSTEM DETAILS

Equipment[2]	Inspection Criteria	FIELD INSPECTION ENERGY CHECKLIST Meets Criteria or Requirements: Pass	Fail – Describe Reason[2]
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	*RT-1*	☐	☐
Equipment Type[3]:	*Packaged DX*	☐	☐
Number of Systems	*1*	☐	☐
Max Allowed Heating Capacity[1]	*104,000 Btu/hr*	☐	☐
Minimum Heating Efficiency[1]	*80% AFUE*	☐	☐
Max Allowed Cooling Capacity[1]	*60,000 Btu/hr*	☐	☐
Cooling Efficiency[1]	*15.0 SEER / 14.8 EER*	☐	☐
Duct Location/ R-Value	*Attic, Roof Ins / 4.0*	☐	☐
When duct testing is required, submit **MECH-4A** & **MECH-4-HERS**	*No*	☐	☐
Economizer	*Fixed Temp (Integrated)*	☐	☐
Thermostat	*Setback Required*	☐	☐
Fan Control	*Constant Volume*	☐	☐

Equipment[2]	Inspection Criteria	FIELD INSPECTION ENERGY CHECKLIST Pass	Fail – Describe Reason[2]
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	*Kitchen*	☐	☐
Equipment Type[3]:	*Built-Up SZ*	☐	☐
Number of Systems	*1*	☐	☐
Max Allowed Heating Capacity[1]	*160,000 Btu/hr*	☐	☐
Minimum Heating Efficiency[1]	*80% AFUE*	☐	☐
Max Allowed Cooling Capacity[1]	*0 Btu/hr*	☐	☐
Cooling Efficiency[1]	*n/a*	☐	☐
Duct Location/ R-Value	*Attic, Ceiling Ins, unvented / 4.0*	☐	☐
When duct testing is required, submit **MECH-4A** & **MECH-4-HERS**	*No*	☐	☐
Economizer	*100% Outside Air*	☐	☐
Thermostat	*Setback Required*	☐	☐
Fan Control	*Constant Volume*	☐	☐

1. If the Actual installed equipment performance efficiency and capacity is less than the Proposed (from the energy compliance submittal or from the building plans) the responsible party shall resubmit energy compliance to include the new changes.
2. For additional detailed discrepancy use Page 2 of the Inspection Checklist Form. Compliance fails if a Fail box is checked.
3. Indicate Equipment Type: Gas (Pkg or, Split), VAV, HP (Pkg or split), Hydronic, PTAC, or other.

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 4) MECH-1C

Project Name			Date
McKinleyville Teen Center			*6/17/2014*
Project Address	**Climate Zone**	**Total Cond. Floor Area**	**Addition Floor Area**
1705 Gwin Rd McKinleyville	*1*	*6,096*	*6,096*

GENERAL INFORMATION

Building Type: ☑ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel Guest Room ☐ Schools (Public School) ☐ Relocatable Public School Bldg. ☑ Conditioned Spaces ☐ Unconditioned Spaces (affidavit)

Phase of Construction: ☐ New Construction ☑ Addition ☐ Alteration

Approach of Compliance: ☐ Component ☐ Overall Envelope TDV Energy ☐ Unconditioned (file affidavit)

Front Orientation: N, E, S, W or in Degrees: *180 deg*

HVAC SYSTEM DETAILS

Equipment[2]	Inspection Criteria	FIELD INSPECTION ENERGY CHECKLIST Meets Criteria or Requirements: Pass	Fail – Describe Reason[2]
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	*RT-2*	☐	☐
Equipment Type[3]:	*Packaged DX*	☐	☐
Number of Systems	*1*	☐	☐
Max Allowed Heating Capacity[1]	*64,000 Btu/hr*	☐	☐
Minimum Heating Efficiency[1]	*80% AFUE*	☐	☐
Max Allowed Cooling Capacity[1]	*52,000 Btu/hr*	☐	☐
Cooling Efficiency[1]	*15.0 SEER / 15.0 EER*	☐	☐
Duct Location/ R-Value	*Attic, Roof Ins / 4.0*	☐	☐
When duct testing is required, submit **MECH-4A** & **MECH-4-HERS**	*No*	☐	☐
Economizer	*Fixed Temp (Integrated)*	☐	☐
Thermostat	*Setback Required*	☐	☐
Fan Control	*Constant Volume*	☐	☐

Equipment[2]	Inspection Criteria	FIELD INSPECTION ENERGY CHECKLIST Pass	Fail – Describe Reason[2]
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	*RT-3*	☐	☐
Equipment Type[3]:	*Packaged DX*	☐	☐
Number of Systems	*1*	☐	☐
Max Allowed Heating Capacity[1]	*48,000 Btu/hr*	☐	☐
Minimum Heating Efficiency[1]	*80% AFUE*	☐	☐
Max Allowed Cooling Capacity[1]	*39,900 Btu/hr*	☐	☐
Cooling Efficiency[1]	*15.2 SEER / 15.2 EER*	☐	☐
Duct Location/ R-Value	*Attic, Roof Ins / 4.0*	☐	☐
When duct testing is required, submit **MECH-4A** & **MECH-4-HERS**	*No*	☐	☐
Economizer	*Fixed Temp (Integrated)*	☐	☐
Thermostat	*Setback Required*	☐	☐
Fan Control	*Constant Volume*	☐	☐

1. If the Actual installed equipment performance efficiency and capacity is less than the Proposed (from the energy compliance submittal or from the building plans) the responsible party shall resubmit energy compliance to include the new changes.
2. For additional detailed discrepancy use Page 2 of the Inspection Checklist Form. Compliance fails if a Fail box is checked.
3. Indicate Equipment Type: Gas (Pkg or, Split), VAV, HP (Pkg or split), Hydronic, PTAC, or other.

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 3 of 4) MECH-1C

Project Name	Date
McKinleyville Teen Center	*6/17/2014*

Required Acceptance Tests

Designer:

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

Building Departments:

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

The MECH-1C form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for **ALL** newly installed equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation, certificates, and operating and maintenance information meet the requirements of §10-103(b) and Title-24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.

TEST DESCRIPTION		MECH-2A	MECH-3A	MECH-4A	MECH-5A	MECH-6A	MECH-7A	MECH-8A	MECH-9A	MECH-10A	MECH-11A
Equipment Requiring Testing or Verification	Qty.	Outdoor Ventilation For VAV & CAV	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation DCV	Supply Fan VAV	Valve Leakage Test	Supply Water Temp. Reset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
Trane YHC060	*1*	☑	☑	☐	☑	☐	☐	☐	☐	☐	☐
Greenheck IGX-110-H2	*1*	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐
Trane YHC048	*1*	☑	☑	☐	☑	☐	☐	☐	☐	☐	☐
Trane YHC036	*1*	☑	☑	☐	☑	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
REGISTERED PROFESSIONAL ENGINEER JOHN KELLER No. 30429 exp. 12/31/15 MECHANICAL STATE OF CALIFORNIA

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)222-7204
1256 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JK
Checked By: DW

No.	Description	Date	By

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

TITLE 24 FORMS

M10.1

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 4 of 4) MECH-1C

Project Name: *McKinleyville Teen Center* | Date: *6/17/2014*

TEST DESCRIPTION		MECH-12A Fault Detection & Diagnostics for DX Units	MECH-13A Automatic Fault Detection & Diagnostics for Air & Zone	MECH-14A Distributed Energy Storage DX AC Systems	MECH-15A Thermal Energy Storage (TES) Systems	
Equipment Requiring Testing	Qty.					Test Performed By:
Trane YHC060	*1*	☐	☐	☐	☐	
Greenheck IGX-110-H2	*1*	☐	☐	☐	☐	
Trane YHC048	*1*	☐	☐	☐	☐	
Trane YHC036	*1*	☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	

AIR SYSTEM REQUIREMENTS (Part 1 of 2) MECH-2C

Project Name: *McKinleyville Teen Center* | Date: *6/17/2014*

Item or System Tags (i.e. AC-1, RTU-1, HP-1)		RT-1	Kitchen	RT-2
Number of Systems		1	1	1
		Indicate Page Reference on Plans or Schedule and indicate the applicable exception(s)		
MANDATORY MEASURES	**T-24 Sections**			
Heating Equipment Efficiency	112(a)	*80% AFUE*	*80% AFUE*	*80% AFUE*
Cooling Equipment Efficiency	112(a)	*15.0 SEER / 14.8 EER*	*n/a*	*15.0 SEER / 15.0 EER*
HVAC Heat Pump Thermostat	112(b), 112(c)	*n/a*	*n/a*	*n/a*
Furnace Controls/Thermostat	112(c), 115(a)	*Required*	*Required*	*Required*
Natural Ventilation	121(b)	*No*	*No*	*No*
Mechanical Ventilation	121(b)	*765 cfm*	*2,950 cfm*	*465 cfm*
VAV Minimum Position Control	121(c)	*No*	*No*	*No*
Demand Control Ventilation	121(c)	*No*	*No*	*No*
Time Control	122(e)	*Programmable Switch*	*Programmable Switch*	*Programmable Switch*
Setback and Setup Control	122(e)	*Setback Required*	*Setback Required*	*Setback Required*
Outdoor Damper Control	122(f)	*Auto*	*Auto*	*Auto*
Isolation Zones	122(g)	*n/a*	*n/a*	*n/a*
Pipe Insulation	123			
Duct Location/ R-value	124	*Attic, Roof Ins / 4.0*	*ttic, Ceiling Ins, unvented / 4.0*	*Attic, Roof Ins / 4.0*
PRESCRIPTIVE MEASURES				
Calculated Design Heating Load	144(a & b)	*n/a*	*n/a*	*n/a*
Proposed Heating Capacity	144(a & b)	*104,000 Btu/hr*	*160,000 Btu/hr*	*64,000 Btu/hr*
Calculated Design Cooling Load	144(a & b)	*n/a*	*n/a*	*n/a*
Proposed Cooling Capacity	144(a & b)	*43,322 Btu/hr*	*0 Btu/hr*	*32,397 Btu/hr*
Fan Control	144(c)	*Constant Volume*	*Constant Volume*	*Constant Volume*
DP Sensor Location	144(c)			
Supply Pressure Reset (DDC only)	144(c)	*Yes*	*Yes*	*Yes*
Simultaneous Heat/Cool	144(d)	*No*	*No*	*No*
Economizer	144(e)	*Fixed Temp (Integrated)*	*100% Outside Air*	*Fixed Temp (Integrated)*
Heat Air Supply Reset	144(f)	*Constant Temp*	*Constant Temp*	*Constant Temp*
Cool Air Supply Reset	144(f)	*Constant Temp*	*Warmest Zone*	*Constant Temp*
Electric Resistance Heating[1]	144(g)			
Air Cooled Chiller Limitation	144(i)			
Duct Leakage Sealing. If Yes, a MECH-4-A must be submitted	144(k)	*No*	*No*	*No*

1. Total installed capacity (MBtu/hr) of all electric heat on this project exclusive of electric auxiliary heat for heat pumps. If electric heat is used explain which exception(s) to §144(g) apply.

AIR SYSTEM REQUIREMENTS (Part 1 of 2) MECH-2C

Project Name: *McKinleyville Teen Center* | Date: *6/17/2014*

Item or System Tags (i.e. AC-1, RTU-1, HP-1)		RT-3		
Number of Systems		1		
		Indicate Page Reference on Plans or Schedule and indicate the applicable exception(s)		
MANDATORY MEASURES	**T-24 Sections**			
Heating Equipment Efficiency	112(a)	*80% AFUE*		
Cooling Equipment Efficiency	112(a)	*15.2 SEER / 15.2 EER*		
HVAC Heat Pump Thermostat	112(b), 112(c)	*n/a*		
Furnace Controls/Thermostat	112(c), 115(a)	*Required*		
Natural Ventilation	121(b)	*No*		
Mechanical Ventilation	121(b)	*285 cfm*		
VAV Minimum Position Control	121(c)	*No*		
Demand Control Ventilation	121(c)	*No*		
Time Control	122(e)	*Programmable Switch*		
Setback and Setup Control	122(e)	*Setback Required*		
Outdoor Damper Control	122(f)	*Auto*		
Isolation Zones	122(g)	*n/a*		
Pipe Insulation	123			
Duct Location/ R-value	124	*Attic, Roof Ins / 4.0*		
PRESCRIPTIVE MEASURES				
Calculated Design Heating Load	144(a & b)	*n/a*		
Proposed Heating Capacity	144(a & b)	*48,000 Btu/hr*		
Calculated Design Cooling Load	144(a & b)	*n/a*		
Proposed Cooling Capacity	144(a & b)	*33,802 Btu/hr*		
Fan Control	144(c)	*Constant Volume*		
DP Sensor Location	144(c)			
Supply Pressure Reset (DDC only)	144(c)	*Yes*		
Simultaneous Heat/Cool	144(d)	*No*		
Economizer	144(e)	*Fixed Temp (Integrated)*		
Heat Air Supply Reset	144(f)	*Constant Temp*		
Cool Air Supply Reset	144(f)	*Constant Temp*		
Electric Resistance Heating[1]	144(g)			
Air Cooled Chiller Limitation	144(i)			
Duct Leakage Sealing. If Yes, a MECH-4-A must be submitted	144(k)	*No*		

1. Total installed capacity (MBtu/hr) of all electric heat on this project exclusive of electric auxiliary heat for heat pumps. If electric heat is used explain which exception(s) to §144(g) apply.

MECHANICAL VENTILATION AND REHEAT MECH-3C

Project Name: *McKinleyville Teen Center* | Date: *6/17/2014*

	MECHANICAL VENTILATION (§121(b)2)								REHEAT LIMITATION (§144(d))				
	AREA BASIS			OCCUPANCY BASIS					VAV MINIMUM				
A	B	C	D	E	F	G	H	I	J	K	L	M	N
Zone/System	Condition Area (ft^2)	CFM per ft^2	Min CFM By Area B X C	Number Of People	CFM per Person	Min CFM by Occupant E X F	REQ'D V.A. Max of D or G	Design Ventilation Air CFM	50% of Design Zone Supply CFM	B X 0.4 CFM / ft^2	Max. of Columns H, J, K, 300 CFM	Design Minimum Air Setpoint	Transfer Air
Undefined Zone	*2,242*	*0.15*	*336*				*336*	*765*					
RT-1						*Total*	*336*	*765*					
Kitchen	*620*	*0.15*	*93*				*93*						
Kitchen						*Total*	*93*	*2,950*		*100% OA*			
Undefined Zone	*1,235*	*0.38*	*469*				*469*	*465*					*4*
RT-2						*Total*	*469*	*465*					
Undefined Zone	*2,000*	*0.15*	*300*				*300*	*285*					*15*
RT-3						*Total*	*300*	*285*					
Totals									Column I Total Design Ventilation Air				

C	Minimum ventilation rate per Section §121, Table 121-A.
E	Based on fixed seat or the greater of the expected number of occupants and 50% of the CBC occupant load for egress purposes for spaces without fixed seating.
H	Required Ventilation Air (REQ'D V.A.) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column D or G).
I	Must be greater than or equal to H, or use Transfer Air (column N) to make up the difference.
J	Design fan supply CFM (Fan CFM) x 50%; or the design zone outdoor airflow rate per §121.
K	Condition area (ft^2) x 0.4 CFM / ft^2; or
L	Maximum of Columns H, J, K, or 300 CFM.
M	This must be less than or equal to Column L and greater than or equal to the sum of Columns H plus N.
N	Transfer Air must be provided where the Required Ventilation Air (Column H) is greater than the Design Minimum Air (Column M). Where required, transfer air must be greater than or equal to the difference between the Required Ventilation Air (Column H) and the Design Minimum Air (Column M). Column H minus M.

MECHANICAL EQUIPMENT DETAILS (Part 1 of 2) MECH-5C

Project Name: *McKinleyville Teen Center* | Date: *6/17/2014*

CHILLER AND TOWER SUMMARY

Equipment Name	Type	Qty.	Efficiency	Tons	PUMPS Qty.	PUMPS GPM	PUMPS BHP	PUMPS Pump Control

DHW / BOILER SUMMARY

System Name	Type	Distribution	Qty.	Rated Input	Vol. (Gals).	Energy Factor or RE	Standby Loss or Pilot	Tank Ext. R-Value	Status

MULTI-FAMILY CENTRAL WATER HEATING DETAILS

Hot Water Pump Control	Hot Water Pump Qty.	Hot Water Pump HP	Hot Water Pump Type	Hot Water Piping Length (ft) In Plenum	Outside	Buried	Add ½" Insulation
							☐
							☐
							☐

CENTRAL SYSTEM RATINGS

System Name	Type	Qty.	HEATING Output	HEATING Aux. kW	HEATING Efficiency	COOLING Output	COOLING Efficiency	Status
Trane YHC060	*Packaged DX*	*1*	*104,000*	*0.0*	*80% AFUE*	*60,000*	*15.0 SEER / 14.8 EER*	*New*
Greenheck IGX-110-H2	*Built-Up SZ*	*1*	*160,000*	*0.0*	*80% AFUE*	*0*	*n/a*	*New*
Trane YHC048	*Packaged DX*	*1*	*64,000*	*0.0*	*80% AFUE*	*52,000*	*15.0 SEER / 15.0 EER*	*New*
Trane YHC036	*Packaged DX*	*1*	*48,000*	*0.0*	*80% AFUE*	*39,900*	*15.2 SEER / 15.2 EER*	*New*

CENTRAL SYSTEM FAN SUMMARY

System Name	Fan Type	Economizer Type	SUPPLY FAN CFM	SUPPLY FAN BHP	RETURN FAN CFM	RETURN FAN BHP
Trane YHC060	*Constant Volume*	*Fixed Temp (Integrated)*	*1,950*	*0.89*	*none*	
Greenheck IGX-110-H2	*Constant Volume*	*100% Outside Air*	*2,950*	*1.35*	*none*	
Trane YHC048	*Constant Volume*	*Fixed Temp (Integrated)*	*1,600*	*0.52*	*none*	
Trane YHC036	*Constant Volume*	*Fixed Temp (Integrated)*	*1,200*	*0.34*	*none*	

MECHANICAL MANDATORY MEASURES: NONRESIDENTIAL MECH-MM

Project Name: *McKinleyville Teen Center* | Date: *6/17/2014*

Equipment and System Efficiencies

§111:	Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.
§115(a):	Fan type central furnaces shall not have a pilot light.
§123:	Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.
§124:	Air handling duct systems shall be installed and insulated in compliance with Sections 601, 602, 603, 604, and 605 of the CMC Standards.

Controls

§122(e):		Each space conditioning system shall be installed with one of the following:
	1A.	Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of Section 112 (d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends and have program backup capabilities that prevent the loss of the device's program and time setting for at least 10 hours if power is interrupted; or
	1B.	An occupancy sensor to control the operating period of the system; or
	1C.	A 4-hour timer that can be manually operated to control the operating period of the system.
	2.	Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.
§122(g):		Each space conditioning system serving multiple zones with a combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with isolation devices, such as valves or dampers that allow the supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.
§122(c):		Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.
§122(b):		Heat pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone
§122(a&b):		Each space conditioning system shall be controlled by an individual thermostat that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degrees F or lower. For cooling, the control shall be adjustable up to 85 degrees F or higher. Where used for both heating and cooling, the control shall be capable of providing a deadband of at least 5 degrees F within which the supply of heating and cooling is shut off or reduced to a minimum.

Ventilation

§121(e):	Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified on these plans.
§122(f):	All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.
§121(f):	Ventilation System Acceptance. Before an occupancy permit is granted for a newly constructed building or space, or a new ventilating system serving a building or space is operated for normal use, all ventilation systems serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance

Service Water Heating Systems

§113(c)		Installation
	3.	Temperature controls for public lavatories. The controls shall limit the outlet Temperature to 110°F.
	2.	Circulating service water-heating systems shall have a control capable of automatically turning off the circulating pump when hot water is not required.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER — JOHN KYLE — No. 30429 — exp. 12/31/15 — MECHANICAL — STATE OF CALIFORNIA

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1256 Olak Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JK
Checked By: DW

No.	Description	Date	By
1			
2			
3			
4			

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

TITLE 24 FORMS

M10.2

PIPING SYMBOLS

- PC — PUMPED CONDENSATE
- CD — CONDENSATE DRAIN ABOVE FLOOR OR GRADE
- CD — CONDENSATE DRAIN BELOW FLOOR OR GRADE
- SOIL PIPE ABOVE FLOOR OR GRADE
- BUILDING SANITARY BELOW FLOOR OR GRADE
- VENT
- RD — RAIN DRAIN ABOVE FLOOR OR GRADE
- RD — RAIN DRAIN BELOW FLOOR OR GRADE
- RDO — RAIN DRAIN OVERFLOW ABOVE FLOOR OR GRADE
- RDO — RAIN DRAIN OVERFLOW BELOW FLOOR OR GRADE
- COLD WATER
- HOT WATER
- HOT WATER RETURN
- VAC — VACUUM LINE
- A — AIR LINE
- NG — NATURAL GAS
- TP — TRAP PRIMER
- PIPE DOWN
- PIPE UP
- P–TRAP
- TEE DOWN
- TEE UP
- ELBOW
- TEE
- CAP
- CONCENTRIC REDUCER / INCREASER
- UNION
- DIRECTION OF FLOW
- PUMP
- FLOOR CLEAN–OUT
- CLEAN–OUT TO GRADE
- WALL CLEAN–OUT
- SHUT–OFF VALVE ON RISER TO DROP
- WATER HAMMER ARRESTER
- HOSE BIBB (WALL HYDRANT)
- SHUT–OFF VALVE (BALL VALVE)
- SHUT–OFF VALVE (GATE VALVE)
- GLOBE VALVE
- CHECK VALVE
- RP BACK FLOW DEVICE
- PRESSURE REDUCING VALVE
- PRESSURE GAUGE
- SAFETY RELIEF VALVE
- THERMOMETER
- TEMPCONTROL MIXING VALVE
- BALANCING VALVE (CIRCUIT SETTER)

GENERAL SYMBOLS

- (F) — CAP FOR FUTURE
- (E) — EXISTING TO REMAIN
- (R) — RELOCATE EXISTING
- POINT OF NEW CONNECTION
- X — REVISION NUMBER
- XX / XX — EQUIPMENT TAG / EQUIPMENT NUMBER
- XX / XX — SECTION (LETTER) OR DETAIL (NUMERICAL) DESIGNATION / SHEET NUMBER
- X — SECTION (LETTER) OR DETAIL (NUMERICAL) DESIGNATION
- X / XX — SECTION DESIGNATION / SHEET NUMBER
- GENERAL BREAK
- LINE BREAK
- ON DEMOLITION PLANS, INDICATES ITEMS TO BE REMOVED
- XX | X — PLUMBING FIXTURE UNITS W/ PIPE SIZE
- XX–X — PLUMBING FIXTURE DESIGNATION
- 1 — KEYED NOTES
- X — MATCH POINT

NOTE: ABBREVIATIONS AND SYMBOLS ARE ARCSINE ENGINEERING STANDARDIZED SYMBOL LEGENDS. AS SUCH, ALL SYMBOLS SHOWN MAY NOT APPEAR ON OR WITHIN THIS SET OF CONTRACT DOCUMENTS.

GENERAL NOTES

1. SEE PLUMBING SPECIFICATIONS.
2. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL PLUMBING SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS, INCLUDING ALL NECESSARY FEES AND PERMITS.
3. THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED PLUMBING CODE, MECHANICAL CODE, BUILDING CODE AND ALL OTHER APPLICABLE CITY, COUNTY, AND STATE CODES AND REGULATIONS IN EFFECT AT THE DATE OF THE BID. CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS THAT THE PROJECT OWNER HAS.
4. OBTAIN ALL INSPECTION APPROVALS ON PLUMBING WORK FROM REGULATING AGENCIES WHERE REQUIRED.
5. PRIOR TO FABRICATION AND INSTALLATION THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING PIPING AND EQUIPMENT WITH MECHANICAL PIPING, EQUIPMENT, DUCTWORK, AND ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO THE MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR, FIRE PROTECTION CONTRACTOR, GENERAL CONTRACTOR, AND ANY CONTRACTOR HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
6. THE DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENTS AND THE EXTENT OF THE SYSTEM. IT SHALL BE THE WORK OF THE CONTRACTOR TO MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES, OR MATERIAL REQUIRE PRIOR APPROVAL BY THE CONSULTING ENGINEER.
7. CONTRACTORS AND SUB–CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
8. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES.
9. ALL SERVICE WATER HEATERS, HOT WATER STORAGE TANKS AND SERVICE HOT WATER DISTRIBUTION SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE 2013 CALIFORNIA ENERGY CODE.
   A. THE OUTLET TEMPERATURE OF LAVATORIES IN PUBLIC FACILITY RESTROOMS SHALL BE LIMITED TO 110°F.
   B. PROVIDE A DIGITAL, PROGRAMMABLE, 7–DAY TIME CLOCK TO CONTROL THE HOT WATER RECIRCULATION PUMP. THE TIME CLOCK SHALL BE SET TO OPERATE THE PUMP DURING THE OCCUPIED PERIOD.
   C. FOR WATER HEATING SYSTEMS GREATER THAN 100,000 BTU/H: PROVIDE A STRAP–ON AQUASTAT ON THE HOT WATER RETURN PIPING UPSTREAM OF THE RECIRCULATION PUMP. THE AQUASTAT SHALL TURN THE RECIRCULATION PUMP OFF WHEN THE RETURN WATER TEMPERATURE IS EQUAL TO THE MIXING VALVE SETPOINT AND ON WHEN THE RETURN WATER TEMPERATURE IS 10°F LESS THAN THE MIXING VALVE SET POINT.
10. THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR PLUMBING EQUIPMENT AND PIPING SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL DRAWINGS.
11. EXACT ROUTING OF WASTE, GAS, AND WATER SERVICE IS DEPENDENT ON LOCAL SITE CONDITIONS AND MODIFICATIONS IN EQUIPMENT CONNECTIONS. EXACT LOCATION OF EQUIPMENT MAY VARY DEPENDING ON LOCAL CODE, HEALTH DEPARTMENT AND CITY REQUIREMENTS.
12. DETAILS: THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND USE WHERE APPROPRIATE ALL OF THE PLUMBING DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE PLUMBING SYSTEM WITHOUT USING THE INCLUDED DETAILS IS THE RESPONSIBILITY OF THE CONTRACTOR.
13. THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
14. THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
15. ANY PART OF THIS INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
16. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
17. ALL EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE SITE ALTITUDE.
18. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
19. ALL MOTORS REQUIRED SHALL BE BY THE PLUMBING CONTRACTOR. ALL MOTOR STARTING EQUIPMENT, IF NOT A PART OF THE EQUIPMENT, IS FURNISHED BY THE ELECTRICAL CONTRACTOR.
20. EXISTING INTERIOR PIPING AND EQUIPMENT HAS BEEN LOCATED IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS, POINTS OF CONNECTION, PIPE SIZES AND PIPE ROUTING THROUGH EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
21. THE CONTRACTOR IS RESPONSIBLE FOR PLUMBING EQUIPMENT CHECK–IN, SAFEKEEPING, AND DAMAGE.
22. INVERTS SHOWN ON PLUMBING DRAWINGS MAY BE REFERENCED FROM THE FINISHED FLOOR ELEVATION. COORDINATE ALL INVERTS WITH CIVIL DRAWINGS PRIOR TO INSTALLATION.
23. ALL OPENINGS FOR PIPING THROUGH FIRE–RATED ENCLOSURES SHALL BE CAULKED AS REQUIRED BY CODE TO MAINTAIN FIRE RATING.
24. PIPE INSULATION: SEE SPECIFICATION SECTION 220719.
25. ANY SHUT DOWNS REQUIRED TO CONNECT TO ALL ACTIVE PIPING ARE TO BE COORDINATED WITH OWNER.
26. ALL VALVES CONCEALED IN CEILING OR WALLS SHALL BE PROVIDED WITH ACCESS PANELS. LOCATE ON "AS BUILT" DRAWINGS.
27. THE PLUMBING CONTRACTOR SHALL PROVIDE FULL SIZE CONDENSATE DRAIN FROM AIR CONDITIONING EQUIPMENT (WITH DEEP SEAL TRAP AND UNION) AND DISCHARGE TO THE NEAREST APPROVED RECEPTOR.
28. ALL UNDERGROUND SOIL AND WASTE PIPING TO A POINT 5'–0" OUT FROM BUILDING SHALL BE RUN AT A MINIMUM SLOPE OF 1/4" PER FT.
29. WATER PIPING: TYPE L COPPER TUBING MAY BE USED FOR WATER PIPING WHEN PIPING IS ABOVE GROUND. TYPE K COPPER TUBING SHALL BE USED FOR WATER PIPING WHEN PIPE IS BELOW GROUND. SEE SPECIFICATION SECTION 221100. (1)
30. SANITARY DRAIN AND VENT: DRAIN PIPE SHALL BE ABS OR PVC DWV PIPE. VENT PIPE SHALL BE ABS OR PVC DWV PIPE. SEE SPECIFICATION SECTION 221300.
31. NATURAL GAS PIPING: GAS PIPING SHALL BE SCHEDULE 40 WROUGHT STEEL PIPE. GAS PIPING INSTALLED UNDERGROUND SHALL BE SCHEDULE 40 GALVANIZED WROUGHT STEEL PIPE. SEE SPECIFICATION SECTION 221100.
32. LOCATE ALL PLUMBING VENTS AT LEAST 3 FEET ABOVE OR 10 FEET AWAY FROM ALL OUTSIDE AIR INTAKES INTO THE BUILDING.
33. SEE "PLUMBING EQUIPMENT SCHEDULE" FOR FIXTURE MAKE AND TYPE, AND SIZE OF INDIVIDUAL WASTE, VENT, AND DOMESTIC WATER PIPING TO FIXTURES.
34. ALL PLUMBING EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY.
35. EQUIPMENT AND INSTALLATION SHALL MEET NATIONAL SANITATION FOUNDATION (NSF) STANDARDS, OR EQUIVALENT.
36. PROVIDE PROPER PROVISIONS FOR EXPANSION OR MOVEMENT OF ALL PIPING.
37. ALL PIPING SHALL BE SECURED BY DOUBLE NUTTING AT THE HANGER ROD ATTACHMENT TO THE STRUCTURE AND AT THE PIPE HANGER.
38. PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT ALL PIPE LOCATIONS WHERE VALVE CLOSURES (SUCH AS FLUSH VALVES) MAY CAUSE WATER HAMMER OR RESULT IN EXCESSIVE PIPE VIBRATION OR MOVEMENT.
39. PROPERLY LUBRICATE ALL PIECES OF EQUIPMENT BEFORE TURNING THE SYSTEM OVER TO THE OWNER.
40. TWO OPERATING AND MAINTENANCE MANUALS SHALL BE PROVIDED IN HARD BACK LOOSE LEAF BINDERS. MANUALS SHALL CONTAIN PRODUCT CUT SHEETS AND OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL EQUIPMENT, ACCESSORIES, FIXTURES, VALVES, ETC., PROVIDED FOR THE PROJECT.
41. UPON COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS AND RUBBISH. MAKE ALL REQUIRED PATCHING AND REPAIRS OF OTHER TRADES' WORK DAMAGED BY THIS CONTRACTOR, AND LEAVE THE PREMISES IN A CLEAN, ORDERLY CONDITION.
42. THE CONTRACTOR SHALL OPERATE THE SYSTEM AND DEMONSTRATE ALL ASPECTS TO THE ENGINEER AND/OR OWNER, TO PROVE ITS OPERATION.
43. THE CONTRACTOR SHALL, DURING CONSTRUCTION, MAINTAIN A SET OF AS–BUILT REDLINED RECORD DRAWINGS AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, AND ACCESSORIES SHALL BE RECORDED. THE CONTRACTOR IS RESPONSIBLE FOR CONVERTING THE CONSTRUCTION REDLINE DRAWINGS INTO "AS BUILT" DRAWINGS USING AUTOCAD BACKGROUNDS PROVIDED BY THE ENGINEER. IF THE CONTRACTOR DOES NOT HAVE AUTOCAD DRAFTING CAPABILITIES, THE CONTRACTOR SHALL HIRE THE ENGINEER TO PRODUCE THE "AS BUILT" DRAWINGS FROM HIS FIELD REDLINES. COMPLETED AUTOCAD "AS BUILTS" SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION.

PLUMBING ABBREVIATIONS

BID SET 1 OCTOBER 2014

AD	ACCESS DOOR
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
ARCH	ARCHITECT OR ARCHITECTURAL
BLDG	BUILDING
BM	BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
CA	COMPRESSED AIR
CLG	CEILING
CO	CLEAN OUT
CTG	CLEAN OUT TO GRADE
CONSTR	CONSTRUCTION
CW	COLD WATER (POTABLE)
DCW	DOMESTIC CLOTHES WASHER
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DN	DOWN
DW	DISHWASHER
DWG	DRAWING
ELEV	ELEVATION
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EWF	EYE WASH FOUNTAIN
EWH	ELECTRIC WATER HEATER
FC	FLEXIBLE CONNECTION
FLA	FULL LOAD AMPS
FLR	FLOOR
FUT	FUTURE WORK TO BE DONE
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	MOTOR HORSEPOWER
HR	HOUR
HW	HOT WATER (POTABLE)
HWR	HOT WATER RETURN
IG	INVERT GRADE
INT	INITIAL WORK TO BE DONE
L	LAVATORY
LB	POUND, POUNDS
MBH	THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCC	MINIMUM CIRCUIT CAPACITY
ME	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OA/OSA	OUTSIDE AIR
OMSC	OREGON MECHANICAL SPECIALTY CODE
OPSC	OREGON PLUMBING SPECIALTY CODE
OSSC	OREGON STRUCTURAL SPECIALTY CODE
PRV	PRESSURE RELIEF VALVE
PT	PRESSURE TANK
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE / TEMPERATURE PLUG
PVC	POLYVINYL CHLORIDE
RD	RAIN DRAIN
RDO	RAIN DRAIN OVERFLOW
RECT	RECTANGULAR
REQ'D	REQUIRED
RPM	REVOLUTIONS PER MINUTE
SAN	SANITARY DRAIN LINE
SF/SQFT	SQUARE FEET
SH	SHOWER
SIM	SIMILAR
SPEC	SPECIFICATION OR SPECIFIED
SRV	SAFETY RELIEF VALVE
SS	STAINLESS STEEL
STD	STANDARD
TOS	TOP OF STEEL
TYP	TYPICAL
U	URINAL
UNO	UNLESS NOTED OTHERWISE
USA	UNDERGROUND SERVICE ALERT
V	VENT
W/	WITH
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTER

SHEET LEGEND

P0.0	PLUMBING LEGEND AND ABBREVIATIONS
P0.1	PLUMBING EQUIPMENT SCHEDULES
P2.0	PLUMBING UNDER SLAB PLAN
P2.1	PLUMBING PLAN
P4.0	RAIN DRAIN ROOF PLAN
P4.1	VENT ROOF PLAN AND SITE GAS PIPING PLAN
P9.0	DRAIN AND VENT RISER DIAGRAM
P9.1	PLUMBING RISER DIAGRAM
P10.0	PLUMBING DETAILS

LDA partners LLP
lesovsky•donaldson•zagaroli•wohlke
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER C. HOLL — NO. M34630 — EXP. 12/31/15 — MECHANICAL ENGINEER — STATE OF CALIFORNIA
SIGNED: 9/12/14

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)222-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

No.	Description	Date	By
1	CITY REVIEW	9/12/14	CCH

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

LEGEND, NOTES, SYMBOLS AND ABBREVIATIONS

P0.0

CALIFORNIA GREEN BUILDING CODE (CGBC) COMPLIANCE TABLE

1407

CALGREEN WS-1: BASELINE WATER USE (NOTES 1, 2)

FIXTURE TAG	FIXTURE TYPE	QUANTITY	FLOW RATE	UNITS		DURATION	UNITS		DAILY USES	UNITS		OCCUPANTS		GALLONS PER DAY
S-2	KITCHEN FAUCETS (CLASSROOM SIN	1	2.2	GPM	X	4	MIN.	X	1	EA	X	1	=	8.8
L-1	LAVATORY METERED FAUCET	5	0.25	GAL/CYCLE	X	1	NONE	X	3	EA	X	1	=	3.8
UR-1	URINAL	2	0.5	GAL/FLUSH	X	1	FLUSH	X	1	MALE	X	1	=	1.0
WC-1	WATER CLOSETS, FLUSHOMETER VA	5	1.28	GAL/FLUSH	X	1	FLUSH	X	3	FEMALE	X	1	=	19.2
												TOTAL DAILY BASELINE WATER USE	=	32.8

DESIGNED WATER USE (NOTE 2)

FIXTURE TAG	FIXTURE TYPE	QUANTITY	FLOW RATE (GPM), NOTE 3			DURATION			DAILY USES			OCCUPANTS		GALLONS PER DAY
S-2	KITCHEN FAUCETS (CLASSROOM SIN	1	1.5	GPM	X	4	MIN.	X	1	EA	X	1	=	6.0
L-1	LAVATORY METERED FAUCET	5	0.2	GAL/CYCLE	X	1	NONE	X	3	EA	X	1	=	3.0
UR-1	URINAL	2	0.5	GAL/FLUSH	X	1	FLUSH	X	1	MALE	X	1	=	1.0
WC-1	WATER CLOSETS, FLUSHOMETER VA	5	1.28	GAL/FLUSH	X	1	FLUSH	X	3	FEMALE	X	1	=	19.2
												PROPOSED WATER USE	=	29.2
												ALLOWABLE WATER USE PER WS-1	=	32.8
												PROPOSED WATER USE LESS THAN OR EQUAL TO BASELINE WATER USE? (PER 2013 CALGREEN 5.303.2)		YES

1. NOTED TABLE IS BASED ON 2013 CGBC, CHAPTER 8, WORKSHEET WS-1.
2. TABLE INCLUDES ONLY THE FIXTURES APPLICABLE TO THIS PROJECT. NOT ALL FIXTURES LISTED IN 2013 CGBC, CHAPTER 8, WORKSHEET WS-1 ARE INCLUDED IN THIS TABLE.
3. NOTED FLOW RATE IS AS SPECIFIED IN THE PLUMBING EQUIPMENT SCHEDULE IN THIS DRAWING PACKAGE. FLOW RATES MEET THE REQUIREMENTS OF 2013 CGBC, TABLES 5.303.2.2 AND 5.303.2.3.

GENERAL NOTES

A. SEE LEGEND, NOTES, SYMBOLS, AND ABBREVIATIONS ON SHEET P0.0.

PLUMBING EQUIPMENT SCHEDULE

1407

TAG	DESCRIPTION	FURNISH AND INSTALL: PLUMBING CONTRACTOR	FURNISH AND INSTALL: OTHERS	MANUFACTURER / MODEL	MOUNTING	ADA COMPLIANT	FAUCET/VALVE: Make/Model	FAUCET/VALVE: Electronic	FAUCET/VALVE: Manual	DOMESTIC WATER MAX. FLOW RATE (NOTE 5)	NATURAL GAS DEMAND (MBTU/H)	DRAIN (IN)	VENT (IN)	CW (IN)	HW (IN)	NATURAL GAS (IN)	V/PH/HZ	AMPS	DIMENSIONS H X W X D (IN X IN X IN)	WEIGHT (LBS)	NOTES
CB-1	COFFEE BREWER		X							N/A				1/4							
DF-1	DRINKING FOUNTAIN & HYDRATION STATION ⚠2	X		HAWS H1011.8 & HAWS 2000S ⚠2	WALL	YES	N/A		X	N/A		1 1/4	1 1/4	1/2			120/1/60	5			1
DW-1	DISHWASHER		X							N/A		2			3/4		120/1/60	11.4			
HB-1	HOSE BIB	X		WOODFORD MODEL 26P-3/4, KEYED, BACKFLOW PROTECTED.	WALL	N/A	N/A			N/A				3/4							
IM-1	ICE MAKER		X							N/A		1/2		1/2							
FD-1	FLOOR DRAIN	X		ZURN FD-B1NH2-C1-R5, 5" ROUND NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION, NO HUB OUTLET.	FLOOR	N/A	N/A			N/A		2	1 1/2								3
FR-1	FRYER		X							N/A	70					3/4					
FS-1	FLOOR SINK	X		JAY R. SMITH 3002, 2" OUTLET, 304 STAINLESS STEEL, DOME STRAINER, 1/2" STAINLESS STEEL GRATE, TRAP PRIMER CONNECTION.	FLOOR	N/A	N/A			N/A		2	1 1/2								3
FS-2	FLOOR SINK	X		JAY R. SMITH 3002, 3" OUTLET, 304 STAINLESS STEEL, DOME STRAINER, 1/2" STAINLESS STEEL GRATE, TRAP PRIMER CONNECTION.	FLOOR	N/A	N/A			N/A		3	2								3
GI-1	GREASE INTERCEPTOR	X		SCHIER PRODUCTS PATG-3475, 75 GPM, 80 LIQUID GALLONS, 300 GREASE POUNDS CAPACITY, FACTORY-INSTALLED INTEGRAL FLOW CONTROL, INCLUDE EXTENSIONS TO INSTALL ECCESS COVER FLUSH WITH FLOOR.	BELOW GRADE	N/A	N/A			N/A		4	2						33 X 39 X 29		4
L-1	LAVATORY	X		⚠2 KOHLER K-2209, OVERFLOW, WASTE STRAINER.	UNDER MOUNT	YES	CHICAGO FAUCETS 116.211.AB.1 WITH E2805 OUTLET	X		0.20 GAL/CYCLE		1 1/2	1 1/4	1/2	1/2		BATTERY				1
OV-1	CONVECTION OVEN		X							N/A	75					3/4	120/1/60 OR 240/1/60	6A @ 120V OR 3A @ 240V			
P-1	HOT WATER RECIRCULATION PUMP	X		TACO 003 (MINIMUM CRITERIA: 4.3 FEET OF HEAD AT 2.8 GPM)	WALL	N/A	N/A			N/A					3/4		120/1/60	0.43	5.2 X 5.0 X 3.4	6.0	
RD-1	ROOF DRAIN	X		JAY R. SMITH 1010Y, 3" OUTLET, POLYETHYLENE DOME STRAINER.	ROOF	N/A	N/A			N/A		3									
RDO-1	ROOF DRAIN OVERFLOW	X		JAY R. SMITH 1070Y, 3" OUTLET, POLYETHYLENE DOME STRAINER.	ROOF	N/A	N/A			N/A		3									
RF-1	3-DOOR REFRIGERATOR		X			N/A															
RG-1	RANGE		X							N/A	322					1					
S-1	MOP SINK		X			N/A			X	N/A		2	1 1/2	3/4	3/4						
S-2	CLASSROOM SINK	X		⚠2 JUST MFG. US-ADA-1616-A	⚠2 UNDER MOUNT	YES	CHICAGO FAUCETS 1100-GM2AE35-317AB.1, AERATOR		X	1.5 GPM		1 1/2	1 1/2	1/2	1/2						1
S-3	THREE COMPARTMENT SINK		X							N/A				3/4	3/4						
S-4	HAND SINK		X			N/A				N/A		1 1/2	1 1/2	1/2	1/2						
S-5	PREPARATION SINK		X			N/A				N/A				5/8	5/8						
S-6	PRE-RINSE SINK		X			N/A				N/A				1/2	1/2						
TB-1	TEA BREWER		X							N/A				1/4							
TP-1	TRAP PRIMER	X		PRECISION PLUMBING PRODUCTS PO-500.	IN-WALL	N/A	N/A			N/A				1/2							
UR-1	URINAL	X		KOHLER K-5024-T.	WALL	YES	SLOAN 8186-0.5.	X		0.5 GAL/FLUSH		2	1 1/2	3/4			BATTERY				1,2
WC-1	WATER CLOSET	X		KOHLER K-4405, OPEN FRONT SEAT (K-4731-SC).	FLOOR	YES	SLOAN 8111-1.28.	X		1.28 GAL/FLUSH		3	2	1			BATTERY				1,2
WH-1	WATER HEATER	X		A.O. SMITH BTH-120, 60 GAL VOLUME, DIRECT VENT/SEALED COMBUSTION, 95% THERMAL EFFICIENCY.	FLOOR	N/A	N/A			N/A	120		4" PVC INLET/ 4" PVC OUTLET	1 1/2	1 1/2	1/2	120/1/60	6.6	56H X 28DIA	970 (FULL)	
WH-2	WATER HEATER	X		CHRONOMITE M-30/240, 110 DEG. F FACTORY-SET TEMPERATURE.	WALL	N/A	N/A			N/A				3/8	3/8		208/1/60	6240W	6.3 X 9.6 X 2.8	5.0	
WHA-1	WATER HAMMER ARRESTOR	X		SIOUX CHIEF 652-AS, SWEAT CONNECTION.	PIPE	N/A	N/A			N/A				1/2					6.5H X 1.4DIA		
WHA-2	WATER HAMMER ARRESTOR	X		SIOUX CHIEF 653-BS, SWEAT CONNECTION.	PIPE	N/A	N/A			N/A				3/4					8.8H X 1.4DIA		

NOTES:
1. FAUCET CONTROLS AND OPERATING CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THESE CONTROLS SHALL NOT REQUIRE MORE THAN 5 POUNDS FORCE TO OPERATE.
2. URINALS AND WALL-MOUNTED WATER CLOSETS SHALL BE INSTALLED WITH CARRIER FITTINGS.
3. FLOOR DRAINS AND FLOOR SINKS TO BE INSTALLED WITH TRAP PRIMERS AS INDICATED.
4. GREASE INTERCEPTOR SIZED PER CPC TABLE 1014.2.1 FOR ONE-MINUTE DRAINAGE PERIOD.
5. FIXTURE FLOW RATES SHALL MEET THE REQUIREMENTS OF 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSC). FAUCET FLOW RATES SHALL BE PER CGBSC TABLE 5.303.2.3. FLOW RATES FOR AFFECTED FIXTURES ARE LISTED IN THIS SCHEDULE.
6. FURNISH AND INSTALL A RESTRAINT SYSTEM TO COUNTERACT THE GREASE INTERCEPTOR'S NATURAL BUOYANT FORCE. ANCHORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE GREASE INTERCEPTOR MANUFACTURER. PROVIDE CALCULATIONS DEMONSTRATING THAT THE RESTRAINT SYSTEM WILL HOLD THE GREASE INTERCEPTOR AT INSTALLED GRADE (FLUSH WITH FINISHED FLOOR). CALCULATIONS SHALL DEMONSTRATE THAT THE SELECTED RESTRAINT SYSTEM WILL RESTRAIN 2600LBS BUOYANT FORCE WITH A 50% SAFETY FACTOR. RESTRAINT STRAPS SHALL BE STAINLESS STEEL ACNCHORED TO REBAR EMBEDDED IN A CONCRETE DEADMAN. SUBMIT CALCULATIONS AND SKETCHES OF THE RESTRAINT SYSTEMS STAMPED BY AN ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.

LDA partners LLP
lesovsky·donaldson·zagaroli·wohlie
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4198
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

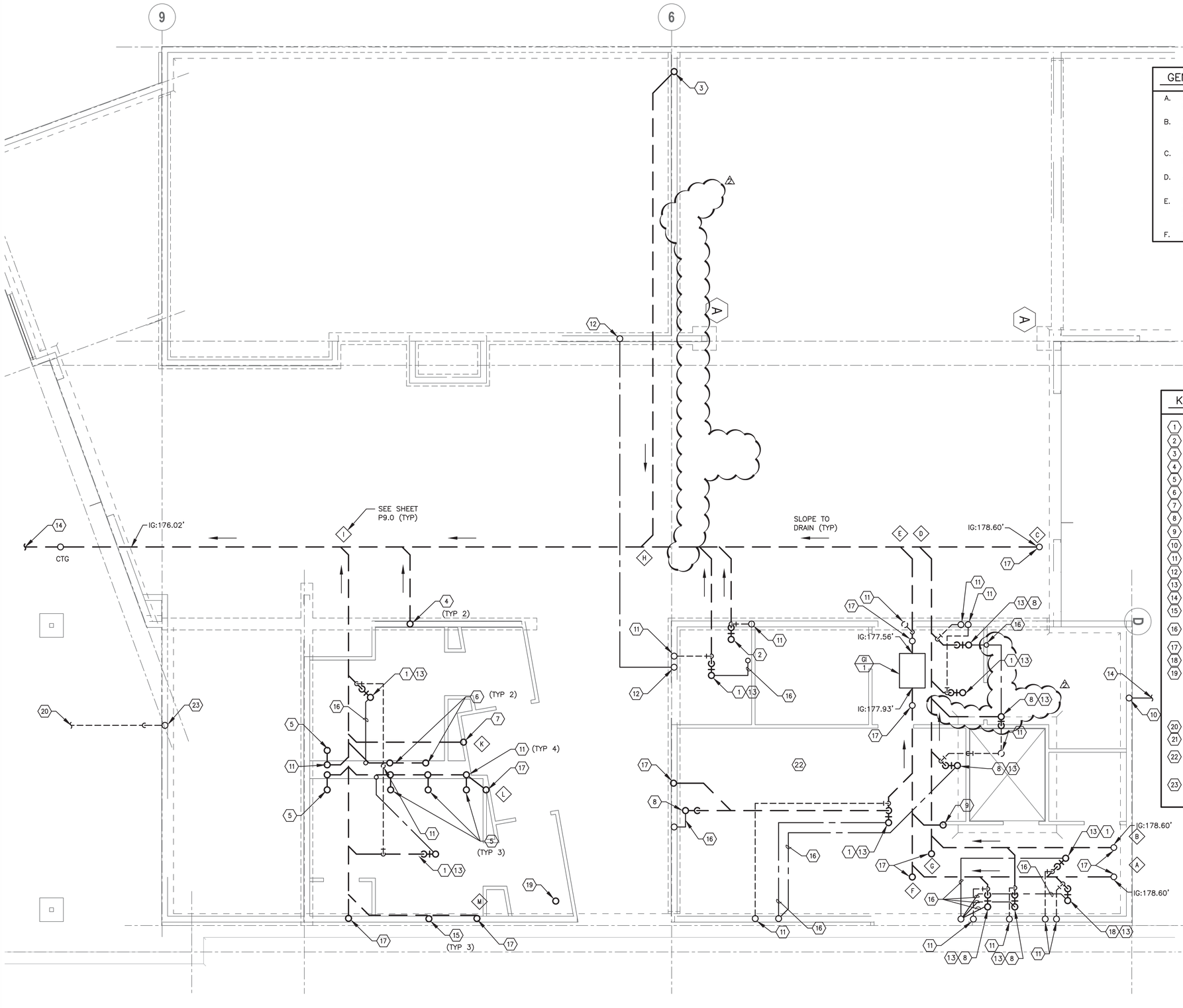
No.	Description	Date	By
⚠			
⚠			
⚠2	OWNER CHANGES	9/12/14	CCH
⚠1	CITY REVIEW	9/12/14	CCH

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

PLUMBING EQUIPMENT SCHEDULES

P0.1



GENERAL NOTES

A. SEE LEGEND, NOTES, SYMBOLS, AND ABBREVIATIONS ON SHEET P0.0.

B. SLEEVE ALL PIPE PENETRATIONS THROUGH GRADE BEAMS. IF PIPE IS ROUTED BELOW GRADE BEAM, PROVIDE 6 INCH MINIMUM COVER OVER PIPE.

C. VERIFY ALL INVERT GRADES WITH CIVIL DRAWINGS PRIOR TO INSTALLATION

D. ALL LINE SIZES FOR DRAIN AND VENT PIPING ARE SHOWN ON SHEETS P9.0 AND P9.1.

E. INVERT GRADE (IG) ELEVATION, TO FLOWLINE OF PIPE IS REFERENCED FROM A BUILDING FINISHED FLOOR ELEVATION OF 179.60'.

F. MINIMUM SANITARY DRAIN SLOPE SHALL BE 1/4" FALL PER FOOT.

KEYED NOTES

1. DRAIN FROM FD–1
2. DRAIN FROM S–1
3. DRAIN FROM S–2
4. DRAIN FROM TWO L–1 FIXTURES
5. DRAIN FROM WC–1
6. DRAIN FROM UR–1
7. DRAIN FROM DF–1
8. DRAIN FROM FS–1
9. DRAIN FROM S–4
10. BUILDING WATER SUPPLY TO ABOVE CEILING
11. VENT TO ABOVE CEILING
12. COLD WATER TO ABOVE CEILING
13. INSTALL NOTED FS OR FD WITH TRAP PRIMER
14. SEE CIVIL PLANS FOR CONTINUATION
15. DRAIN FROM THREE L–1 FIXTURES
16. 1/2" COPPER PIPE FROM TRAP PRIMER TO FLOOR DRAIN OR FLOOR SINK
17. UP TO CLEANOUT
18. DRAIN FROM FS–2
19. UP TO CLEANOUT FROM EXISTING SANITARY DRAIN SERVING ADJACENT GYMNASIUM BUILDING. FIELD LOCATE EXISTING CLEANOUT, DEMOLISH TO BELOW GRADE AND EXTEND TO AN ACCESSIBLE LOCATION IN THE NEW BUILDING. CONFIRM LOCATION WITH THE ARCHITECT.
20. CONTINUED ON SHEET P4.1.
21. NOT USED.
22. COORDINATE LOCATION OF EQUIPMENT LOCATED IN THE KITCHEN WITH THE KITCHEN PLUMBING PLAN BY EAST BAY RESTAURANT SUPPLY, INC.
23. GAS PIPE UP TO ABOVE CEILING.

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

N

PLUMBING UNDERSLAB PLAN

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

1407–P2.0 06/17/2014

LDA partners LLP
lesovsky•donaldson•zagaroli•wohlie
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT C2 STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER CARL HEIDLE No. M34630 EXP. 12/31/15 MECHANICAL ENGINEER STATE OF CALIFORNIA
SIGNED: 9/12/14

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

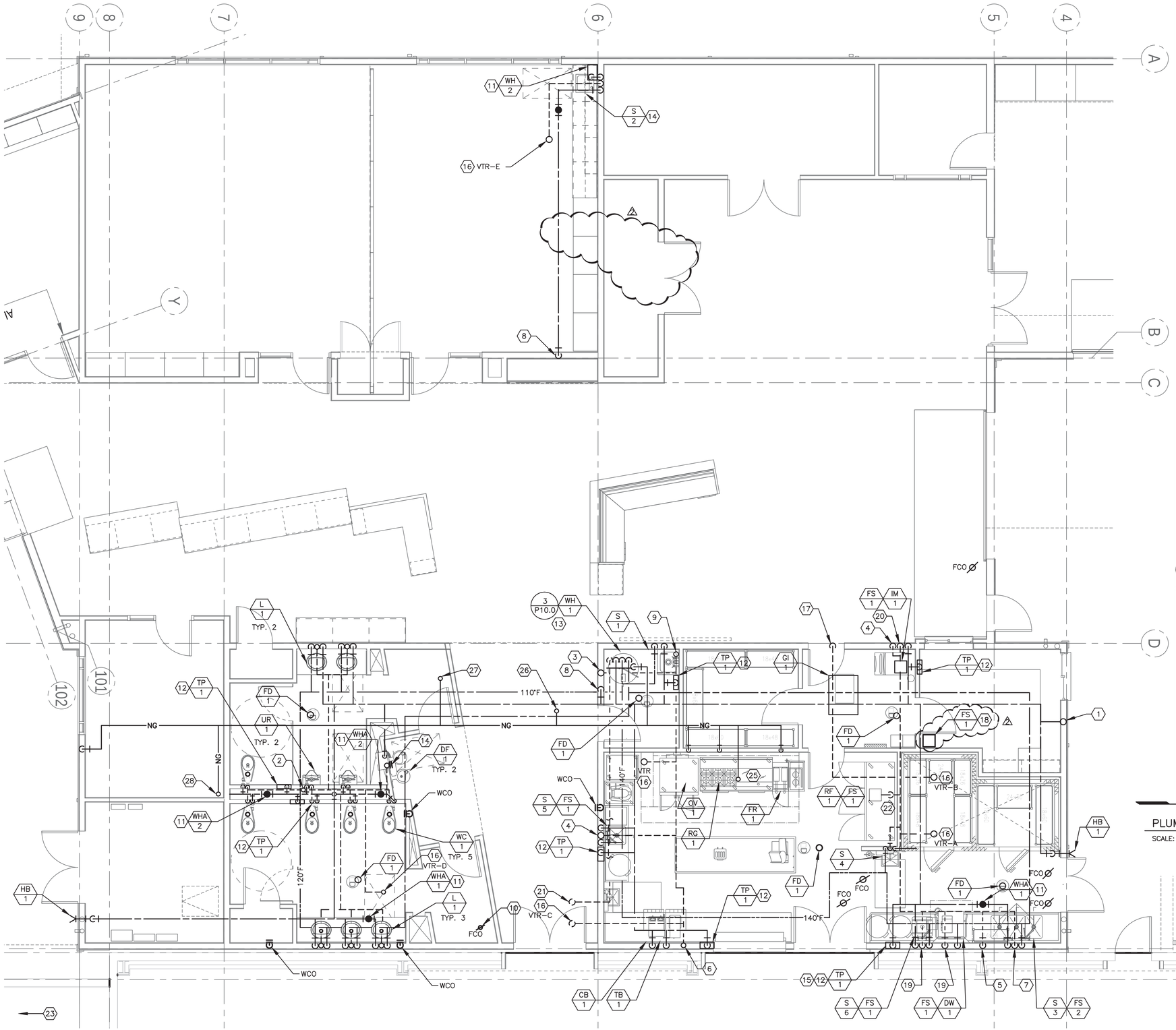
No.	Description	Date	By
2	OWNER CHANGES	9/12/14	CCH

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

PLUMBING UNDERSLAB PLAN

P2.0



GENERAL NOTES

A. SEE LEGEND, NOTES, SYMBOLS, AND ABBREVIATIONS ON SHEET P0.0.

B. INSTALL COLD WATER, HOT WATER AND VENT PIPES IN THE INTERSTITIAL SPACE ABOVE THE CEILING.

C. ALL LINE SIZES FOR DRAIN AND VENT PIPING ARE SHOWN ON P9.0 AND P9.1.

D. BRANCH LINE FROM HOT WATER RECIRCULATION LOOP TO FIXTURE REQUIRING A HOT WATER CONNECTION SHALL NOT EXCEED 10 L.F. PIPE LENGTH.

E. COORDINATE GAS, WATER, DRAIN AND VENT REQUIREMENTS AND CONNECTION POINTS WITH THE KITCHEN EQUIPMENT SUPPLIER.

F. COORDINATE EXACT FLOOR SINK LOCATIONS WITH THE KITCHEN PLUMBING PLAN BY EAST BAY RESTAURANT SUPPLY, INC. AND EQUIPMENT DRAIN POINTS.

KEYED NOTES

1. COLD WATER UP TO ABOVE CEILING
2. VENT UP TO ABOVE CEILING FROM RESTROOM FD-1
3. VENT UP TO ABOVE CEILING FROM JANITOR FD-1
4. VENT UP TO ABOVE CEILING FROM CORRIDOR 35 FS-1
5. VENT UP TO ABOVE CEILING FROM CORRIDOR 38 FD-1
6. VENT UP TO ABOVE CEILING FROM KITCHEN FD-1
7. VENT UP TO ABOVE CEILING FROM CORRIDOR 38 FS-2
8. COLD WATER DOWN TO BELOW SLAB
9. VENT UP TO ABOVE CEILING FROM JANITOR S-1
10. CLEANOUT FOR EXISTING SANITARY DRAIN SERVING ADJACENT GYMNASIUM BUILDING.
11. INSTALL WATER HAMMER ARRESTOR 6 FT. MAXIMUM FROM LAST FIXTURE IN THE BRANCH RUN
12. FURNISH AND INSTALL TRAP PRIMER WITH SERVICE VALVE AND HAND ACCESS COVER FOR VALVE AND PRIMER.
13. ROUTE PIPING FROM WATER HEATER T&P RELIEF VALVE TO S-1. PIPE SHALL BE 1/2"ø COPPER
14. INSTALL CLEANOUT AT DRAIN PIPE OF NOTED FIXTURE
15. NOTED TRAP PRIMER IN THE KITCHEN SHALL SERVE MULTIPLE TRAPS
16. VTR TERMINATIONS SHALL NOT BE LOCATED WITHIN 10 FT. FROM OR WITHIN 3 FT. ABOVE OPENINGS INTO THE BUILDING AS DESCRIBED IN CPC SECTION 906.2
17. VENT UP TO ABOVE CEILING FROM GI-1
18. NOTED FS-1 IS FOR THE WALK-IN COOLER AND WALK-IN FREEZER CONDENSATE DRAINS. CONDENSATE DRAINS SHALL DRAIN INDIRECTLY TO FS-1. COORDINATE LOCATION OF FS-1 WITH THE CONDENSATE DRAIN POINT OF THE WALK-IN COOLER AND WALK-IN FREEZER. △2
19. VENT UP TO ABOVE CEILING FROM CORRIDOR 38 FS-1.
20. VENT UP TO ABOVE CEILING FROM CORRIDOR 35 FD-1.
21. WATER HEATER COMBUSTION AIR INTAKE AND COMBUSTION EXHAUST VENTS TO ROOF (TWO VENTS)
22. VENT UP TO ABOVE CEILING FROM FS-1.
23. FIRE DEPARTMENT SIAMESE CONNECTOR ROUTED ON SOUTHWEST CORNER OF EXISTING BUILDING. (CONNECTION NOT SHOWN)
24. EXISTING FIRE SPRINKLER RISER FOR EXISTING BUILDING.
25. GAS PIPE UP TO MAU-1.
26. GAS PIPE UP TO RT-1.
27. GAS PIPE UP TO RT-2
28. GAS PIPE UP TO RT-3

PLUMBING FIRST FLOOR PLAN

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

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — C2 — STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER C. HEADLEE — No. M34630 — EXP. 12/31/15 — MECHANICAL ENGINEER — STATE OF CALIFORNIA
SIGNED: 9/12/14

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4198
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

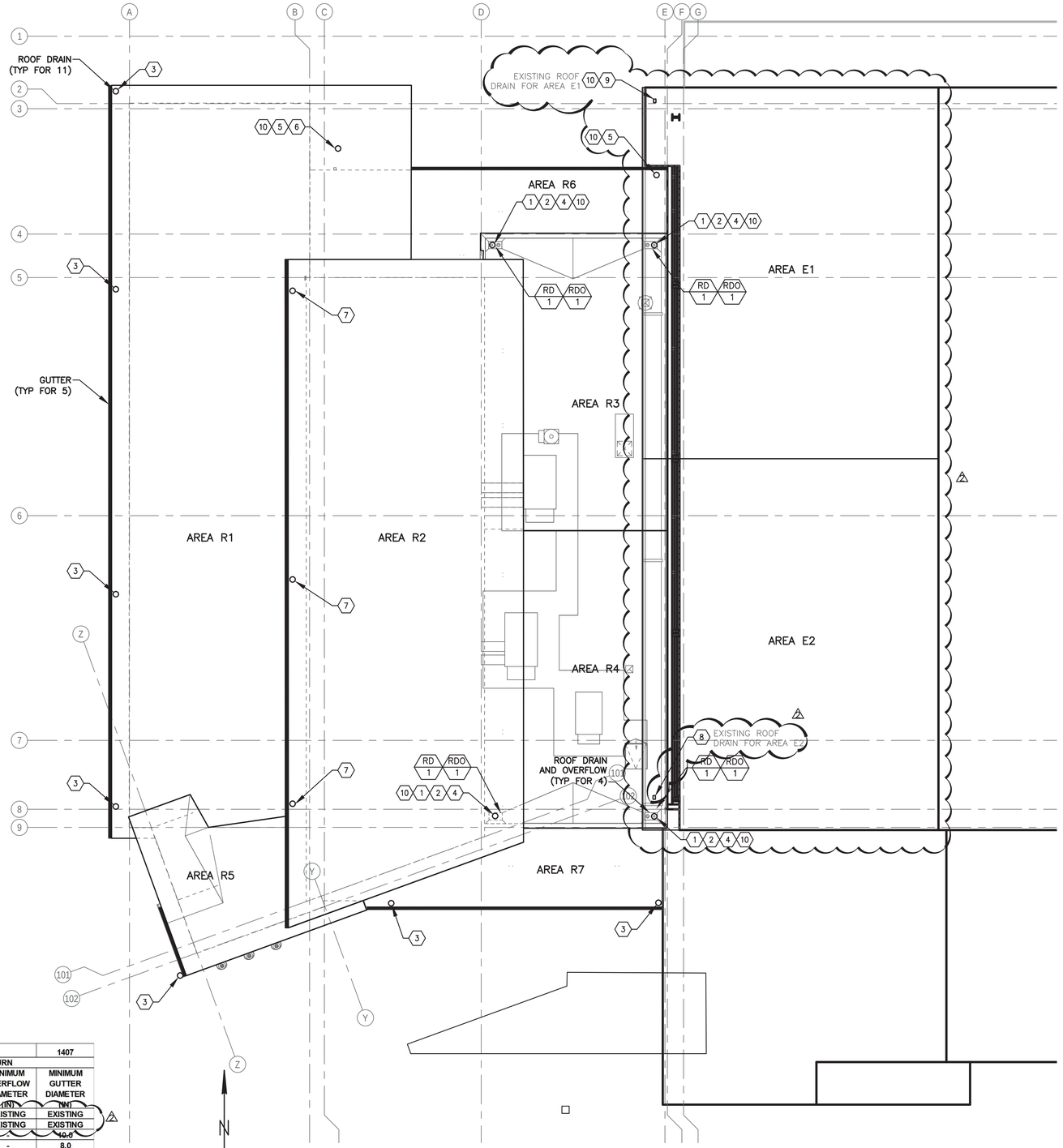
No.	Description	Date	By
△			
△			
△			
△2	OWNER CHANGES	9/12/14	CCH

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

PLUMBING PLAN

P2.1



ROOF PLAN

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

GENERAL NOTES

A. SEE LEGEND, NOTES, SYMBOLS, AND ABBREVIATIONS ON SHEET P0.0.

B. COORDINATE ROOF DRAIN AND GUTTER LOCATIONS WITH THE ARCHITECTURAL PLANS.

C. ROOF DRAINS SHALL BE CAST IRON. GUTTERS SHALL BE 20 GAUGE ALUMINUM.

D. UNLESS OTHERWISE NOTED, ROOF DRAINS SHOWN ARE NEW AND SERVE THE NEW TEEN CENTER STRUCTURE.

KEYED NOTES

1. NOTED ROOF DRAINS AND OVERFLOWS SHALL BE ROUTED INSIDE THE WALL.
2. DISCHARGE OVERFLOW TO 4" AFG.
3. DISCHARGE ROOF DRAIN TO 4" ABOVE GRADE. FURNISH AND INSTALL DOWNSPOUT NOZZLE AT DISCHARGE.
4. DISCHARGE PRIMARY ROOF DRAIN TO UNDERGROUND DRAINAGE SYSTEM. SEE CIVIL PLANS.
5. DISCHARGE ROOF DRAIN TO UNDERGROUND DRAINAGE SYSTEM. SEE CIVIL PLANS.
6. NOTED ROOF DRAIN SERVES ROOF AREA R6.
7. NOTED ROOF DRAIN DISCHARGES TO LOWER ROOF.
8. MODIFY EXISTING ROOF DRAIN SERVING AREA E2 TO DRAIN TO AREA R4. FURNISH AND INSTALL A SPLASH BLOCK AT AREA E2 ROOF DRAIN'S MODIFIED DISCHARGE LOCATION. DISCHARGE TOWARDS AREA R4 ROOF DRAIN.
9. MODIFY EXISTING ROOF DRAIN SERVING AREA E1 TO DISCHARGE TO THE UNDERGROUND DRAINAGE SYSTEM. SEE CIVIL PLANS. NEW ROOF DRAIN PIPING SIZE SHALL MATCH EXISTING.
10. FOR ROOF DRAINS THAT CONNECT TO THE UNDERGROUND STORM DRAIN SYSTEM, INSTALL A CLEANOUT AT THE BASE OF THE ROOF DRAIN PER CPC 1101.12.

ROOF DRAIN SIZE SCHEDULE — 1407

RAINFALL INTENSITY = 1.5 IN/HR (EUREKA, CA); 60-MINUTE DURATION, 100-YR RETURN

AREA TAG	AREA (SQFT)	DOWNSPOUTS QUANTITY PER AREA	AREA PER DOWNSPOUT (SQFT)	MINIMUM DOWNSPOUT DIAMETER (IN)	MINIMUM OVERFLOW DIAMETER (IN)	MINIMUM GUTTER DIAMETER (IN)
E1	2070	1 (EXISTING)	2070	EXISTING	EXISTING	EXISTING
E2	2070	1 (EXISTING)	2070	EXISTING	EXISTING	EXISTING
R1	5679	4	1420	3.0	-	10.0
R2	2793	3	931	3.0	-	8.0
R3	960	2	480	3.0	3.0	N/A
R4	3056	2	1528	3.0	3.0	N/A
R5	371	1	371	2.0	-	4.0
R6	524	1	510	2.0	-	4.0
R7	331	2	166	2.0	-	3.0

NOTES:
1. PER CPC, APPENDIX D, TABLE D-1, AND CPC CHAPTER 11.
2. DOWNSPOUT SIZE PER CPC CHAPTER 11, TABLE 1101.11.
3. GUTTER SIZE PER 1/16 IN/FT MINIMUM SLOPE; CPC CHAPTER 11, TABLE 1106.3
4. AREA R2 DRAINS TO AREA R1. AREA R1 INCLUDES SQUARE FOOTAGE FOR AREAS R1 & R2.
5. AREA E2 DRAINS TO AREA R4. AREA R4 INCLUDES SQUARE FOOTAGE FOR AREAS E2 & R4.

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — C2 — STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER CARL HOLL — NO. M34630 — EXP. 12/31/15 — MECHANICAL ENGINEER — STATE OF CALIFORNIA
SIGNED: 9/12/14

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4198
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

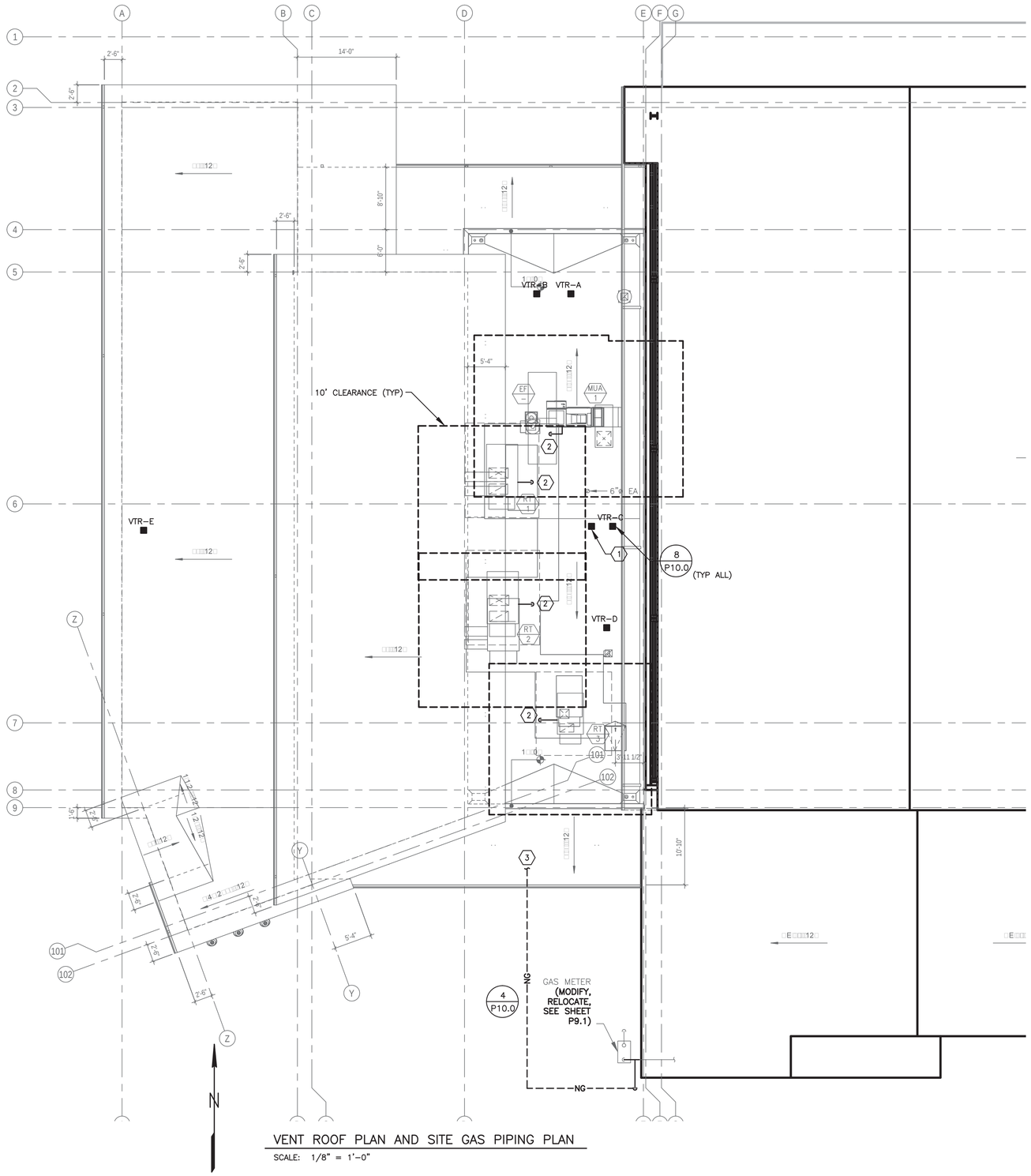
No.	Description	Date	By
1	OWNER CHANGES	9/12/14	CCH

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

ROOF PLAN

P4.0



VENT ROOF PLAN AND SITE GAS PIPING PLAN

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

GENERAL NOTES

A. SEE LEGEND, NOTES, SYMBOLS, AND ABBREVIATIONS ON SHEET P0.0.

B. PLUMBING VENTS SHALL TERMINATE 10 FEET MINIMUM FROM OPENINGS INTO THE BUILDING AND MECHANICAL AIR INTAKES PER CPC 906.2.

C. PLUMBING VENTS SHALL TERMINATE VERTICALLY, 6 INCHES MINIMUM FROM THE ROOF AND 12 INCHES MINIMUM FROM A VERTICAL SURFACE PER CPC 906.1.

KEYED NOTES

1. WH-1 DIRECT VENT INTAKE AND EXHAUST. VENT EXHAUST SHALL BE LOCATED 10 FEET FROM OPENINGS INTO THE BUILDING AND MECHANICAL AIR INTAKES, AND 12 INCHES MINIMUM FROM A VERTICAL SURFACE. LOCATE WH-1 VENT INTAKE 12 INCHES MINIMUM FROM WH-1 VENT EXHAUST AND OTHER EQUIPMENT COMBUSTION EXHAUST VENTS.

2. GAS PIPE FROM BELOW ROOF.

3. CONTINUED ON SHEET P2.0.

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

LDA partners LLP
lesovsky•donaldson•zagaroli•wohlke
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER HOLL NO. M34630 EXP. 12/31/15 MECHANICAL ENGINEER STATE OF CALIFORNIA
SIGNED: 9/12/14

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

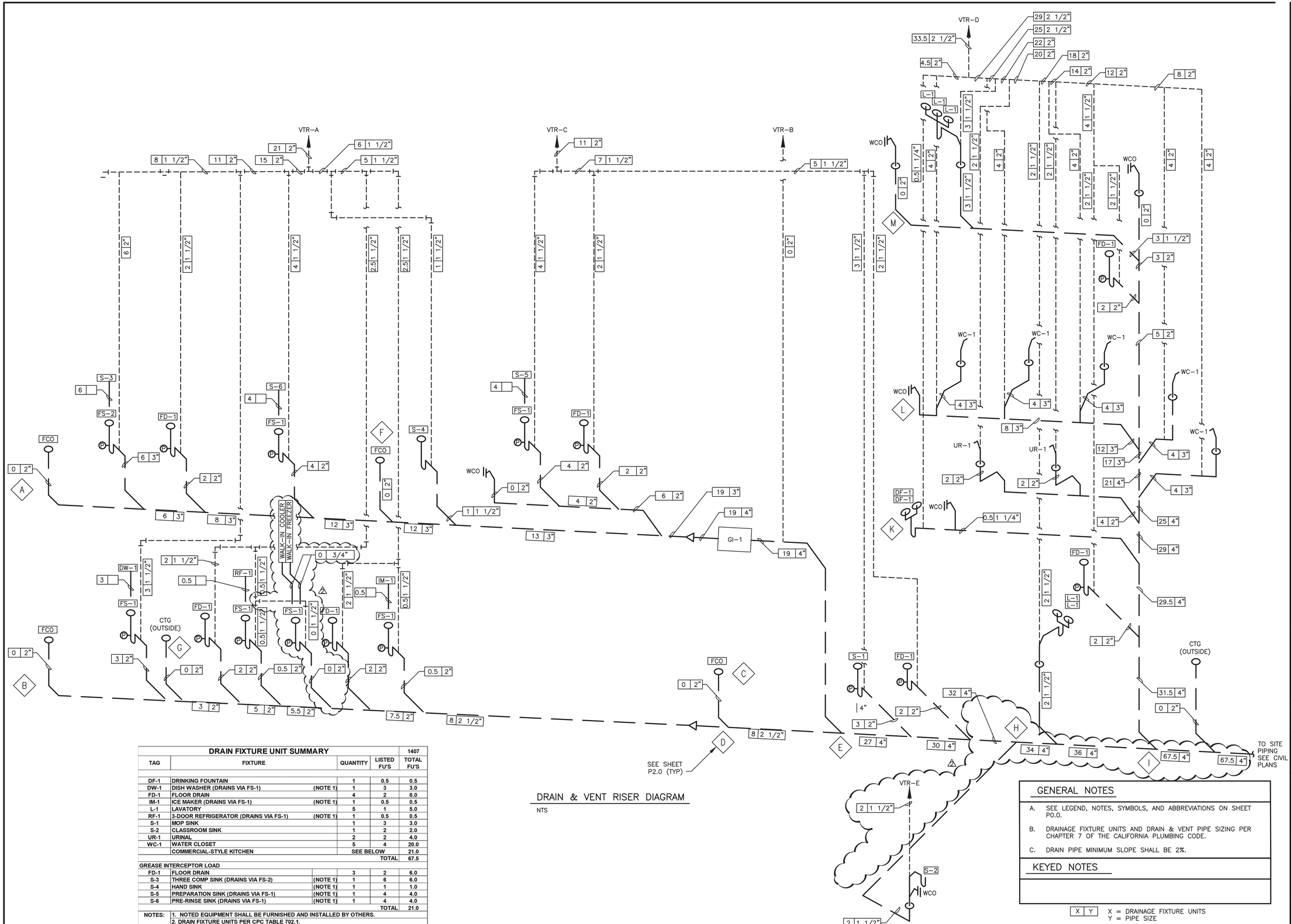
No.	Description	Date	By

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

VENT ROOF PLAN AND SITE GAS PIPING PLAN

P4.1



DRAIN & VENT RISER DIAGRAM

NTS

DRAIN FIXTURE UNIT SUMMARY — 1407

TAG	FIXTURE		QUANTITY	LISTED FU'S	TOTAL FU'S
DF-1	DRINKING FOUNTAIN		1	0.5	0.5
DW-1	DISH WASHER (DRAINS VIA FS-1)	(NOTE 1)	1	3	3.0
FD-1	FLOOR DRAIN		4	2	8.0
IM-1	ICE MAKER (DRAINS VIA FS-1)	(NOTE 1)	1	0.5	0.5
L-1	LAVATORY		5	1	5.0
RF-1	3-DOOR REFRIGERATOR (DRAINS VIA FS-1)	(NOTE 1)	1	0.5	0.5
S-1	MOP SINK		1	3	3.0
S-2	CLASSROOM SINK		1	2	2.0
UR-1	URINAL		2	2	4.0
WC-1	WATER CLOSET		5	4	20.0
	COMMERCIAL-STYLE KITCHEN		SEE BELOW		21.0
				TOTAL	67.5
GREASE INTERCEPTOR LOAD					
FD-1	FLOOR DRAIN		3	2	6.0
S-3	THREE COMP SINK (DRAINS VIA FS-2)	(NOTE 1)	1	6	6.0
S-4	HAND SINK	(NOTE 1)	1	1	1.0
S-5	PREPARATION SINK (DRAINS VIA FS-1)	(NOTE 1)	1	4	4.0
S-6	PRE-RINSE SINK (DRAINS VIA FS-1)	(NOTE 1)	1	4	4.0
				TOTAL	21.0

NOTES:
1. NOTED EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OTHERS.
2. DRAIN FIXTURE UNITS PER CPC TABLE 702.1.

GENERAL NOTES

A. SEE LEGEND, NOTES, SYMBOLS, AND ABBREVIATIONS ON SHEET P0.0.

B. DRAINAGE FIXTURE UNITS AND DRAIN & VENT PIPE SIZING PER CHAPTER 7 OF THE CALIFORNIA PLUMBING CODE.

C. DRAIN PIPE MINIMUM SLOPE SHALL BE 2%.

KEYED NOTES

X | Y — X = DRAINAGE FIXTURE UNITS, Y = PIPE SIZE

LDA partners LLP
lesovsky•donaldson•zagaroli•wohlie
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER HEIDL — NO. M34630 — EXP. 12/31/15 — MECHANICAL ENGINEER — STATE OF CALIFORNIA
SIGNED: 9/12/14

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)222-7204
1238 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

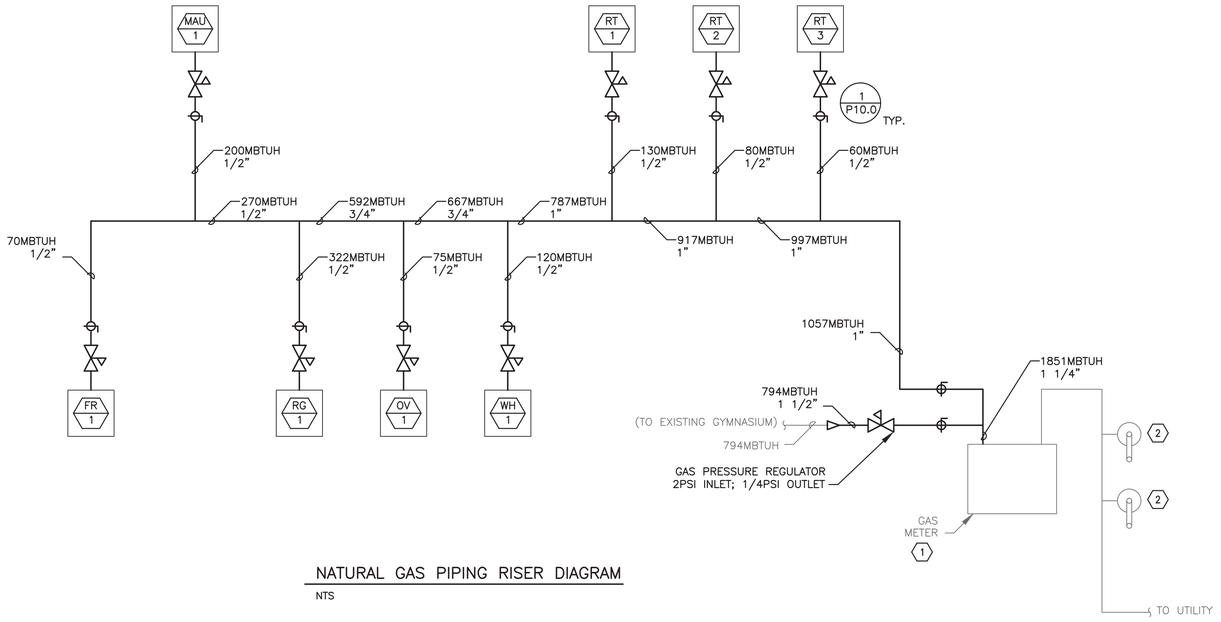
No.	Description	Date	By
1			
2			
3			
4	OWNER CHANGES	9/12/14	CCH

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

DRAIN AND VENT RISER DIAGRAM

P9.0



NATURAL GAS PIPING RISER DIAGRAM

NTS

GENERAL NOTES

A. SEE LEGEND, NOTES, SYMBOLS, AND ABBREVIATIONS ON SHEET P0.0.

KEYED NOTES

1. RELOCATE GAS METER TO PROVIDE SUFFICIENT CLEARANCE FROM THE WEST WALL OF THE EXISTING GYMNASIUM TO INSTALL:
   - BRANCH TEE FITTING FOR GAS PIPE TO NEW TEEN CENTER.
   - PRESSURE REGULATING VALVE AND ASSOCIATED FITTINGS FOR GAS PIPE TO THE EXISTING GYMNASIUM.

   INSTALL GAS METER SUPPORT PER DETAIL 11 ON SHEET P10.0. GAS METER SHALL REMAIN LOCATED IN THE PLANTER AREA IN WHICH IT IS CURRENTLY INSTALLED.

2. EXISTING REGULATOR IS FOR A LOW PRESSURE GAS SYSTEM. COORDINATE WITH THE UTILITY TO REPLACE REGULATOR WITH A 2PSI DOWNSTREAM PRESSURE UNIT. UTILITY TO REPLACE REGULATOR; CONTRACTOR TO COORDINATE WITH UTILITY.

X | Y — X = WATER SUPPLY FIXTURE UNITS; Y = PIPE SIZE

EXISTING FIXTURES IN ADJACENT GYMNASIUM

WATER SUPPLY FIXTURE UNIT SUMMARY (EXISTING FIXTURES)

TAG	FIXTURE	QUANTITY	CPC TABLE A2.1 CWSFU'S EACH	CPC TABLE A2.1 CWSFU'S EXTENDED
DF-1	DRINKING FOUNTAIN	1	0.5	0.5
HB-1	HOSE BIB	2	2.5	5.0
L-1	LAVATORY	4	1.0	4.0
S-1	MOP SINK	1	3.0	3.0
UR-1	URINAL	2	4.0	8.0
WC-1	WATER CLOSET	8	5.0	40.0
	COLD WATER FIXTURE UNITS TOTAL			60.5
NOTES:	1. PER CPC, APPENDIX A, TABLE A-2			

BUILDING GAS SUPPLY — 1407

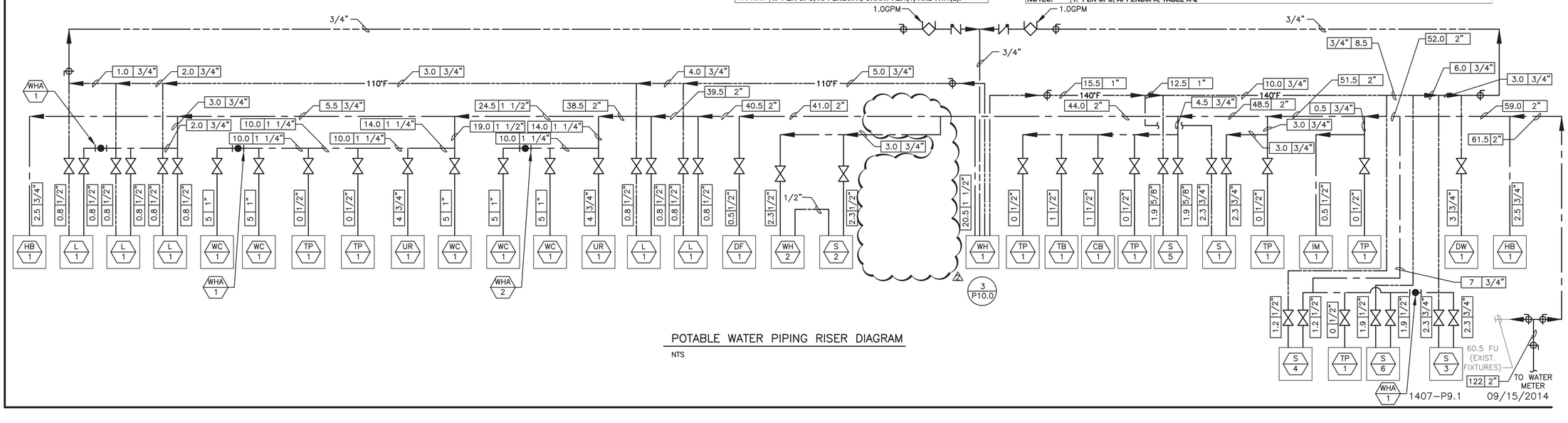
TAG	DESCRIPTION	USAGE (MBTUH)
EXISTING LOADS (GYMNASIUM)		
-	CENTRAL HEATING FURNACE	195
-	CENTRAL HEATING DUCT FURNACE	350
-	WATER HEATER	199
-	WATER HEATER	50
	TOTAL BUILDING LOAD:	794
NEW LOADS (TEEN CENTER)		
FR-1	FRYER	70
MAU-1	KITCHEN MAKE-UP AIR UNIT	200
OV-1	CONVETION OVEN	75
RG-1	RANGE	322
RT-1	ROOF-TOP MECHANICAL UNIT	130
RT-2	ROOF-TOP MECHANICAL UNIT	80
RT-3	ROOF-TOP MECHANICAL UNIT	60
WH-1	WATER HEATER	120
	TOTAL BUILDING LOAD:	1,057
SUPPLY PIPE SIZE		
INLET PRESSURE (PSI)		2.0
PRESSURE DROP (PSI)		1.00
MAXIMUM DEVELOPED LENGTH (FT)		150
SITE DEMAND (MBTUH)		1,851
SUPPLY PIPE SIZE (IN)		1 1/4
NOTES:	1. PER CPC, TABLE 1216.2(4)	

WATER SUPPLY FIXTURE UNIT SUMMARY (NEW FIXTURES) — 1407

TAG	FIXTURE	QUANTITY	CPC TABLE A2.1 CWSFU'S EACH	CPC TABLE A2.1 CWSFU'S EXTENDED	3/4 x WSFU'S COLD	3/4 x WSFU'S HOT	TOTAL FU'S COLD	TOTAL FU'S HOT
COMMERCIAL-STYLE KITCHEN								
CB-1	COFFEE BREWER	1	1.0	1.0	1.0		1.0	
DW-1	DISHWASHER	1	0.0	0.0	0.0	3.0		3.0
IM-1	ICE MAKER	1	0.5	0.5	0.5		0.5	
S-3	THREE COMP SINK	1	3.0	3.0	2.3	2.3	2.3	2.3
S-4	HAND SINK	1	1.5	1.5	1.2	1.2	1.2	1.2
S-5	PREPARATION SINK	1	2.5	2.5	1.9	1.9	1.9	1.9
S-6	PRE-RINSE SINK	1	2.5	2.5	1.9	1.9	1.9	1.9
TB-1	TEA BREWER	1	1.0	1.0	1.0		1.0	
DF-1	DRINKING FOUNTAIN	1	0.5	0.5	0.5		0.5	
HB-1	HOSE BIB	2	2.5	5.0	2.5		5.0	
L-1	LAVATORY	5	1.0	5.0	0.8	0.8	4.0	4.0
S-1	MOP SINK	1	3.0	3.0	2.3	2.3	2.3	2.3
S-2	CLASSROOM SINK	1	3.0	3.0	2.3	2.3	2.3	2.3
UR-1	URINAL	2	4.0	8.0	4.0		8.0	
WC-1	WATER CLOSET	5	5.0	25.0	5.0		25.0	
						TOTAL	56.9	18.9
	COLD WATER FIXTURE UNITS TOTAL			61.5				
NOTES:	1. PER CPC, APPENDIX A, TABLE A-2							

WATER SYSTEM DESCRIPTION — 1407

TOTAL FIXTURE UNITS (FU)	122.0
TOTAL FLOW (GPM)	73.1
SUPPLY PIPE SIZE (IN)	2" Pipe
WATER METER SIZE (IN)	1.50
MAXIMUM FLUID VELOCITY (FT/SEC)	8.0
MIN PRESSURE AT HIGHEST FIXTURE (PSI)	15.0
ELEVATION AT MOST REMOTE FIXTURE (FT)	12.0
LOSS IN STATIC PRES (PSI)	5.2
MINIMUM WATER MAIN PRESSURE (PSI)	74.0
WATER METER PRESSURE LOSS (PSI)	9.0
SYSTEM DEVICES PRESSURE LOSS (PSI)	26.0
PRES AVAILABLE FOR FRICTION LOSS (PSI)	44.8
LONGEST DEVELOPED LENGTH (FT)	210
PERMISSIBLE FRICTION LOSS PER 100 FT (PSI)	21.3
NOTES: 1. PER CPC, APPENDIX A, CHART A2.1(1) AND A4.1(2).	



POTABLE WATER PIPING RISER DIAGRAM

NTS

LDA partners LLP
lesovsky·donaldson·zagaroli·wohlle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT — C2 — STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER C. HOLL — NO. M34630 — EXP. 12/31/15 — MECHANICAL ENGINEER — STATE OF CALIFORNIA
SIGNED: 9/12/14

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)222-7204
1238 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

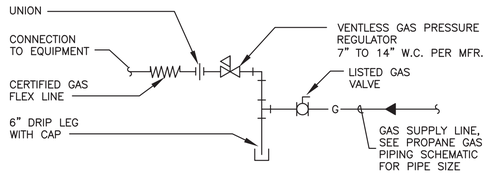
No.	Description	Date	By
1			
2			
3			
4	OWNER CHANGES	9/12/14	CCH

BID SET 1 OCTOBER 2014

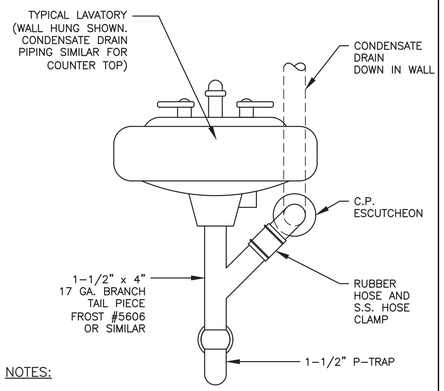
PLAN CHECK SET
JUNE 27, 2014

POTABLE WATER AND NATURAL GAS RISER DIAGRAMS

P9.1



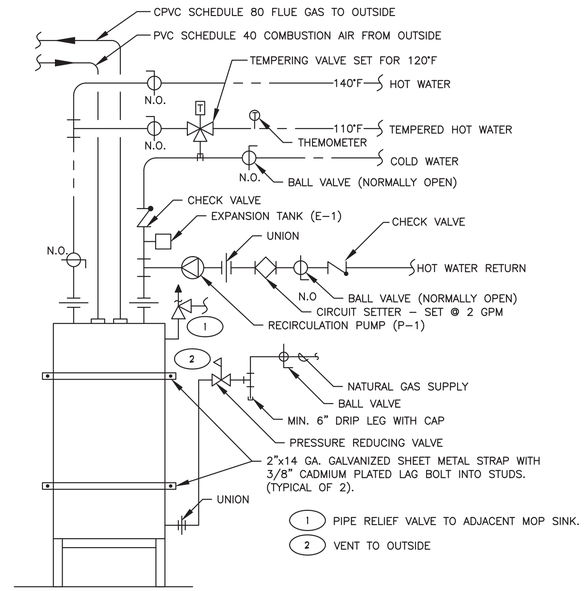
1 NATURAL GAS HOOK–UP TO EQUIPMENT
NTS



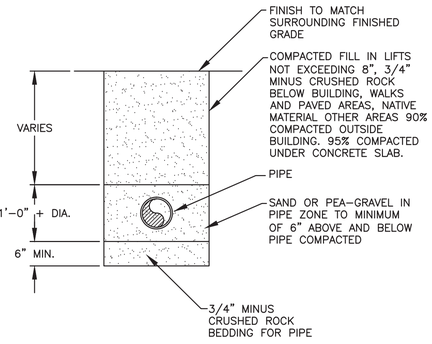
NOTES:

1. ADJUST ROUGH–IN HEIGHT AS REQUIRED.

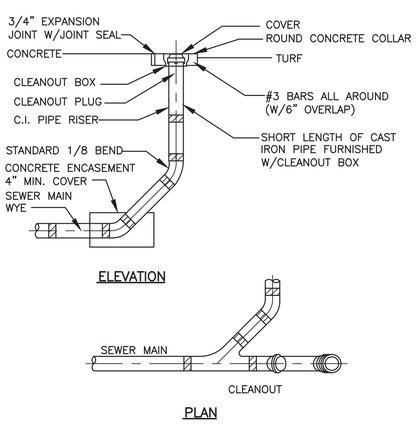
2 CONDENSATE DRAIN CONNECTION
NTS



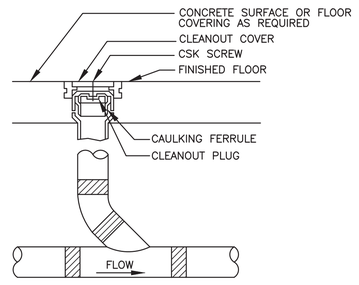
3 GAS WATER HEATER
NTS



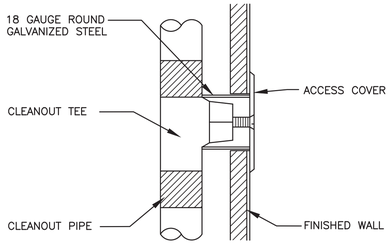
4 BELOW GRADE PIPE INSTALLATION
NTS



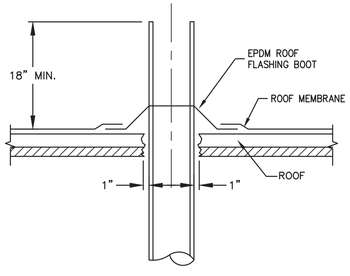
5 TYPICAL EXTERIOR CLEANOUT
NTS



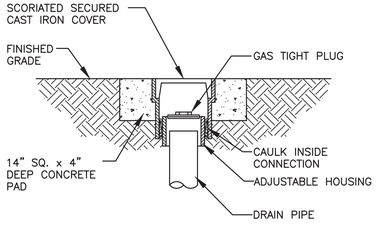
6 FLOOR CLEANOUT
NTS



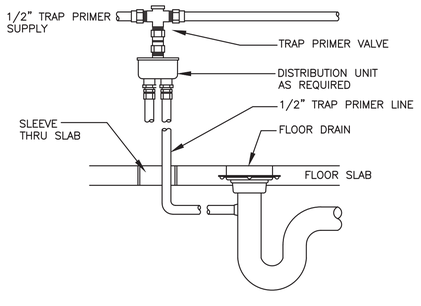
7 WALL CLEANOUT
NTS



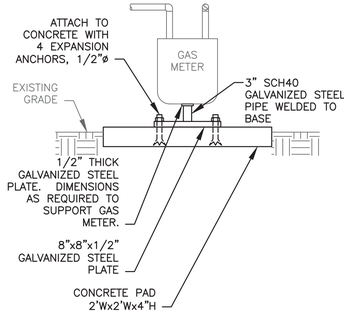
8 VENT THROUGH ROOF
NTS



9 CLEANOUT TO GRADE
NTS



10 TRAP PRIMER – MULTIPLE FEEDS
NTS



11 GAS METER SUPPORT
NTS

1407–P10.0 06/23/2014

GENERAL NOTES

A. SEE LEGEND, NOTES, SYMBOLS, AND ABBREVIATIONS ON SHEET P0.0.

LDA partners LLP
lesovsky•donaldson•zagaroli•wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER J. HEIDL NO. M34630 EXP. 12/31/15 MECHANICAL ENGINEER STATE OF CALIFORNIA
SIGNED: 9/12/14

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)222-7204
1236 Olds Drive | Medford, OR 97501 | (541)842-4188
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: JJ
Checked By: CH

No.	Description	Date	By

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

PLUMBING DETAILS

P10.0

ELECTRICAL SYMBOLS

- FIXTURE IDENTIFICATION (REFER TO LIGHTING FIXTURE SCHEDULE)
- NUMBER OF FIXTURES IN THIS GROUP
- CEILING–MOUNTED FIXTURE
- WALL–MOUNTED FIXTURE
- SINGLE FACE EXIT SIGN
  –FILLED IN PORTION OF SYMBOL REPRESENTS THE FACE OF THE EXIT SIGN
  –ARROW INDICATES THE DIRECTION OF EGRESS
- DOUBLE FACED EXIT SIGN
  –FILLED IN PORTION OF SYMBOL REPRESENTS THE FACE OF THE EXIT SIGN
  –ARROW INDICATES THE DIRECTION OF EGRESS
- FLUORESCENT FIXTURE
- EMERGENCY LIGHT
- SMALL LETTER SUBSCRIPT ON SWITCH & FIXTURE INDICATES SWITCHING.
  –NL = NIGHT LIGHT
- LOW VOLTAGE/SMART SWITCH
- WALL SWITCH (SINGLE POLE)
- SPEED
- DIMMER
- THREE–WAY SWITCH
- FOUR–WAY SWITCH
- MANUAL MOTOR STARTER
- GROUPED WALL SWITCHES, WIRING AS REQUIRED
- OCCUPANCY SENSOR WALL SWITCH WITH HARD LENS, WATT STOPPER WA–100 OR EQUAL.
  INITIAL SETTINGS:
  –AUTO, ON
  –15MIN. DELAY, OFF
- OCCUPANCY SENSOR (CEILING MOUNT), DUAL TECHNOLOGY DT355 WATTSTOPPER OR EQUAL.
- DUPLEX CONVENIENCE RECEPTACLE
- GFCI PROTECTED DUPLEX CONVENIENCE RECEPTACLE MOUNTED @ 42" AFF
- 4–PLEX RECEPTACLE
- 240/208V CONVENIENCE RECEPTACLE
- JUNCTION BOX
- FAN
- DATA/VOICE COMBINATION OUTLET, PROVIDE COVER PLATE WITH TWO RJ–45 JACKS, LEVITON OR EQUAL. PROVIDE TWO CAT5e CABLES, FROM JACKS TO IT CLOSET.
- FLOOR MOUNTED RECEPTACLE & DATA OUTLET BOX WITH TWO RJ–45 JACK LEVITON OR EQUAL PROVIDE TWO CAT5e CABLES FROM JACKS TO IT CLOSET.
- DATA OUTLET, PROVIDE COVER PLATE WITH RJ–45 JACK, LEVITON OR EQUAL
- SAFETY SWITCH, THREE–POLE, NEMA 3R ENCLOSURE
  –F INDICATES FUSED DISCONNECT
  –B INDICATES CIRCUIT BREAKER
- SMOKE DETECTOR, HARD WIRED WITH BATTERY BACKUP
- THERMOSTAT
- GROUND ROD
- RECESSED CATV OUTLET & SINGLE DUPLEX RECEPTACLE, MOUNTED AT 60" AFF
- SECTION OR DETAIL DESIGNATION (LETTER DESIGNATES SECTION, NUMBER DESIGNATES DETAIL)
- SHEET WHERE SECTION OR DETAIL IS TAKEN OR SHOWN
- CONDUIT EXPOSED
- CONDUIT EMBEDDED OR BURIED
- BOUNDARY LINE
- HOMERUN – DESTINATION & CIRCUIT INDICATED
  –LEADER SHOWS CONDUIT & CONDUCTOR SIZE
  –2 REPRESENTS THE NUMBER OF PARALLEL FEEDERS
  1 1/4"C–3#2+#6G
  2[3"C–3#350KCMIL]
- CROSSHATCHES ON CONDUIT RUNS INDICATE NUMBER OF AWG #12 WIRES
- CROSSHATCHES WITH BARS INDICATE NUMBER OF AWG #10 WIRES
- SUBSCRIPT "G" INDICATES GREEN GROUND WIRE
- CONDUIT, STUBBED & CAPPED
- CONDUIT, STUBBED UP & CAPPED
- CONDUIT, UP
- CONDUIT, DOWN
- WATT–HOUR METER
- CURRENT TRANSFORMER
- SURGE CAPACITOR
- GROUND
- MOTOR, HORSEPOWER INDICATED ("X" INDICATES FRACTIONAL HORSEPOWER).
- FUSE
- SAFETY SWITCH (DISCONNECT SWITCH)
- CIRCUIT BREAKER & SIZE, SINGLE–POLE UNLESS NOTED OTHERWISE
  /2 = 2 POLE
  /3 = 3 POLE
- TRANSFORMER

ABBREVIATIONS

A	AMP(S)	GFP	GROUND FAULT PROTECTION (EQUIPMENT)	OL	OVERLOAD
AFCI	ARC FAULT CIRCUIT INTERRUPTER	GFR	GROUND FAULT RELAY	PB	PULLBOX
AFF	ABOVE FINISHED FLOOR	GRS	GALVANIZED RIGID STEEL CONDUIT	PC	PHOTOCELL
AFG	ABOVE FINISHED GRADE	HP	HORSEPOWER	PNL	PANEL, PANELBOARD
AIC	AMPS INTERRUPTING CAPACITY	HZ	HERTZ	PVC	POLYVINYL CHLORIDE CONDUIT
AL	ALUMINUM	IMC	INTERMEDIATE METAL CONDUIT	RECEPT	RECEPTACLE
AWG	AMERICAN WIRE GAUGE	KCMIL	THOUSAND CIRCULAR MILS	SBC	SOUTHERN BELL COMMUNICATIONS
C	CONDUIT	KW	KILOWATT	SP	SPARE
CATV	CABLE TELEVISION	MAX	MAXIMUM	SWGR	SWITCHGEAR
CEC	CALIFORNIA ELECTRICAL CODE	MIN	MINIMUM	TSP	TWISTED SHIELDED PAIR
CU	COPPER	MPOE	MAIN POINT OF ENTRY	TST	TWISTED SHIELDED TRIAD
DC	DIRECT CURRENT	N	NEUTRAL	TYP	TYPICAL
EMT	ELECTRICAL METALLIC TUBING	N/A	NOT APPLICABLE	V	VOLT(S)
EXST,(E)	EXISTING	NL	NIGHT LIGHT	WP	WEATHERPROOF
G	GROUND	NEC	NATIONAL ELECTRICAL CODE	XFMR	TRANSFORMER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER (PERSONNEL)	NTS	NOT TO SCALE		

DRAWING LIST

E0.0	LEGEND AND GENERAL NOTES	E3.1	PARTIAL ROOF PLAN
E1.1	SITE PLAN	E4.0	PARTIAL LIGHTING PLAN
E2.0	ONE–LINE DIAGRAM AND SCHEDULES	E4.1	PARTIAL LIGHTING PLAN
E3.0	PARTIAL POWER PLAN	E5.0	DETAILS

SCOPE OF WORK

THIS SET OF DRAWINGS COVERS POWER DISTRIBUTION AND LIGHTING FOR A 7,000 SQUARE FOOT ADDITION TO AN EXISTING COMMUNITY CENTER LOCATED IN McKINLEYVILLE, CALIFORNIA. THE PROJECT INCLUDES THE FOLLOWING WORK RELATED ITEMS:

–PERFORMING MODIFICATIONS TO THE SERVICE ENTRANCE.

–COORDINATION WITH THE ELECTRIC UTILITY.
PG&E: ALEX MOSSMAN, (707) 445–5533
INDUSTRIAL POWER ENGINEER, AWM9@PGE.COM

PROVIDE AND INSTALL A NEW UTILITY SERVICE

–COORDINATION WITH THE MECHANICAL CONTRACTOR.

–COORDINATE WITH KITCHEN SUPPLIER FOR FINAL KITCHEN EQUIPMENT REQUIREMENTS.

GENERAL NOTES:

1. SEE ELECTRICAL SPECIFICATIONS.
2. UNLESS NOTED OTHERWISE, MOUNT RECEPTACLES AT 18 INCHES AND SWITCHES AT 48 INCHES ABOVE THE FLOOR. CONTRACTOR SHALL COORDINATE ALL RECEPTACLE LOCATIONS WITH ASSOCIATED CABINETRY AND WORK PLANE HEIGHTS. RECEPTACLES SHALL BE SPECIFICATION GRADE.
3. RECEPTACLES AND JUNCTION BOXES FOR DEDICATED USES ARE SHOWN IN APPROXIMATE LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIERS AND ARCHITECT FOR EXACT LOCATIONS.
4. WIRING FOR ELECTRICAL DEVICES IS NOT SHOWN ON THESE PLANS. INSTEAD, ELECTRICAL DEVICES IN EACH ROOM ARE TAGGED WITH THE SOURCE PANELBOARD AND CIRCUIT NUMBER THAT FEEDS THE DEVICE IN THAT ROOM.
5. ELECTRICAL BOXES LOCATED IN 1HR FIRE RATED WALLS SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA.
6. THE CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO: DIMENSIONS, EQUIPMENT, STRUCTURAL ELEMENTS & MATERIALS INDICATED AS EXISTING. CONTRACTOR SHALL ALSO COORDINATE AMONG DISCIPLINES AND EQUIPMENT SUPPLIERS FOR INSTALLATION OF ALL MATERIALS & EQUIPMENT, ETC.
7. THIS IS A STANDARD LEGEND SHEET. THEREFORE, SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT ON THE PLANS.
8. ITEMS SHOWN BOLD ON THESE DRAWINGS REPRESENT WORK THAT IS PART OF THIS CONTRACT. BOLD TEXT ASSOCIATED WITH EQUIPMENT SHOWN AS THIN DESCRIBES WORK TO BE PERFORMED ON THE EQUIPMENT AS PART OF THE CONTRACT.

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	(QUANTITY) LAMPING	(QUANTITY) VOLTAGE / BALLAST	CALCULATED VA (INCL. BALLAST)
A	FLUORESCENT, 3 LAMP, 2 X 4 INDIRECT RECESSED TROFFER, ROUND PERFORATED WHITE METAL SHIELD	CLASSROOMS	LSI INDUSTRIES OR EQUAL	2PEC SERIES	(3) F32T8	(2) 120V ELECTRONIC	94VA
AB	SAME AS "A" EXCEPT WITH EMERGENCY BATTERY PACK PROVIDING 1100 LUMENS FOR A MINIMUM OF 90 MINUTES	CLASSROOM EGRESS	LSI INDUSTRIES OR EQUAL	2PEC SERIES WITH EM PACK	(3) F32T8	(2) 120V ELECTRONIC	94VA
C	FLUORESCENT, 2 LAMP, 6 INCH, IC RATED RECESSED CAN, OPEN CLEAR SPECULAR TRIM	VARIES	MAXILUME OR EQUAL	HH6PLIC WITH 6501 TRIM	(2) 26W CFL	(1) 120V ELECTRONIC	54VA
CD	SAME AS "C", EXCEPT WITH CONTINUOUS DIMMING BALLAST	QUIET ROOM	MAXILUME OR EQUAL	HH6PLIC WITH 6501 TRIM	(2) 26W CFL	(1) 120V ELECTRONIC CONTINUOUS DIMMING	54VA
D	FLUORESCENT, 1 LAMP, 6 INCH, IC RATED RECESSED CAN, OPEN CLEAR SPECULAR TRIM	VARIES	MAXILUME OR EQUAL	HH6PLIC WITH 6501 TRIM	(1) 26W CFL	(1) 120V ELECTRONIC	29VA
DD	SAME AS "D", EXCEPT WITH CONTINUOUS DIMMING BALLAST	RESTROOMS	MAXILUME OR EQUAL	HH6PLIC WITH 6501 TRIM	(1) 26W CFL	(1) 120V ELECTRONIC CONTINUOUS DIMMING	29VA
E	FLUORESCENT, 2 LAMP, NARROW 4' SURFACE MOUNT WRAP, PRISMATIC ACRYLIC LENS	ELECTRICAL / MAINTENANCE	LSI INDUSTRIES OR EQUAL	WNA10 SERIES	(2) F32T8	(1) 120V ELECTRONIC	74VA
F	FLUORESCENT, 2 LAMP, 2 X 2 INDIRECT RECESSED TROFFER, WHITE PERFORATED METAL SHIELD, WITH CONTINUOUS DIMMING BALLAST	QUIET ROOM	LSI INDUSTRIES OR EQUAL	2PEC-G-2-24 SERIES	(2) F24W T5HO	(1) 120V ELECTRONIC T5 CONTINUOUS DIMMING	52VA
G	FLUORESCENT, 2 LAMP, 2 X 2 INDIRECT RECESSED TROFFER, SHALLOW 2 1/8" HEIGHT MAXIMUM, WHITE PERFORATED METAL SHIELD, WITH CONTINUOUS DIMMING BALLAST	OFFICE ROOM	LSI INDUSTRIES OR EQUAL	SHPEC-G-2-24 SERIES	(2) F24W T5HO	(1) 120V ELECTRONIC T5 CONTINUOUS DIMMING	52VA
H	LED, 1500 LUMEN OUTPUT, 3500 COLOR TEMPERATURE, 6 INCH RECESSED CAN, WET RATED REFLECTOR WITH DIFFUSE LENS TRIM	EXTERIOR	MAXILUME OR EQUAL	HH6-LED WITH 6501-CL TRIM	20 WATTS	120V	29VA
J	LED, 1688 LUMEN OUTPUT, 4000 COLOR TEMPERATURE, SURFACE MOUNT, VANDAL RESISTANT, WET RATED	EXTERIOR	LUMINAIRE LED OR EQUAL	ARV13 SERIES	25 WATTS	120V	32VA
JB	SAME AS "J" EXCEPT WITH EMERGENCY BATTERY PACK PROVIDING MINIMUM 450 LUMENS UP TO 90 MINUTES	EXTERIOR EGRESS	LUMINAIRE LED OR EQUAL	ARV13 SERIES WITH EMB 23	25 WATTS	120V	32VA
K	FLUORESCENT, 2 LAMP, 4' LINEAR, CLEANROOM SEALED SURFACE MOUNT, FOOD GRADE RATED, FULLY ENCLOSED AND GASKETED, WITH CONTINUOUS DIMMING BALLAST	KITCHEN	LSI INDUSTRIES OR EQUAL	EG3 SERIES	(2) F32T8	(1) 120V ELECTRONIC T8 CONTINUOUS DIMMING	74VA
KB	SAME AS "K" EXCEPT WITH EMERGENCY BATTERY PACK PROVIDING 1100 LUMENS FOR A MINIMUM OF 90 MINUTES	KITCHEN EGRESS	LSI INDUSTRIES OR EQUAL	EG3 SERIES EMDL PACK	(2) F32T8	(1) 120V ELECTRONIC T8 CONTINUOUS DIMMING AND EMERGENCY BATTERY PACK	74VA
P	FLUORESCENT, 2 LAMP, 4' LINEAR SECTIONS, CABLE SUSPENDED PENDANT, INDIRECT, COORDINATE ROW LENGTHS AND CORRESPONDING INTERNAL JOINERS AND ENDCAPS WITH MANUFACTURER AND ARCHITECT, COORDINATE CABLE LENGTH AND FIXTURE PLACEMENT WITH ARCHITECT TO AVOID EXPOSED DUCT WORK, WITH CONTINUOUS DIMMING BALLAST	PENDANTS	PEERLESS OR EQUAL	NERO NRW9 SERIES	(2) F54T5HO	(1) 120V ELECTRONIC T5 DIMMING BALLAST	120VA
S	LED, ADJUSTABLE CAP SHADE, 18" STEM GOOSENECK ARM, WALL MOUNT, SILVER SMOOTH FINISH, PROVIDE LOW VOLTAGE MAGNETIC TRANSFORMER TO BE LOCATED IN COORDINATION WITH ARCHITECT	EXTERIOR SIGN LIGHT	WINSCAPE OR EQUAL	VELED-3024-12V-LO-SIS-C1 AND TM40-120V	6 WATTS	12V WITH REQUIRED TM40 MAGNETIC TRANSFORMER	11VA
T	PULSE START METAL HALIDE, TYPE III DISTRIBUTION, FULL CUTOFF, 12' SQUARE STEEL POLE, TOP OF CONCRETE POLE BASE FLUSH WITH FINISHED GRADE	EXTERIOR PEDESTRIAN	RUUD OR EQUAL	LPR SERIES	(1) 70W PSMH	120V	83VA
V	FLUORESCENT, 1 LAMP, 4' LINEAR SECTIONS, WALL MOUNT, INDIRECT, COORDINATE ROW LENGTHS AND CORRESPONDING INTERNAL JOINERS AND ENDCAPS WITH MANUFACTURER AND ARCHITECT, WITH CONTINUOUS DIMMING BALLAST	BATHROOMS	PEERLESS OR EQUAL	NERO NRW9QS SERIES	(1) F54T5HO	(1) 120V ELECTRONIC T5 DIMMING BALLAST	60VA
X	LED (GREEN) EXIT LIGHT, WHITE HOUSING, WITH TWIN ADJUSTABLE LAMP HEADS, NICKEL-CADMIUM BATTERY	EXITS	LITHONIA OR EQUAL	LHQM LED SERIES WITH BATTERY	4.3 WATTS	120V	5VA
Y	LED TWIN ADJUSTABLE LAMP HEADS, NICKEL-CADMIUM BATTERY	EGRESS	LITHONIA OR EQUAL	ELM2 LED SERIES WITH BATTERY	3.6 WATTS	120V	4VA

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT C2 STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER THOMAS C. MONNETTE NO. E013928 EXP. 6/30/16 ELECTRICAL STATE OF CALIFORNIA
SIGNED: 09/11/2014

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Olds Drive | Medford, OR 97501 | (541)842-4198
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: RO
Checked By: EP

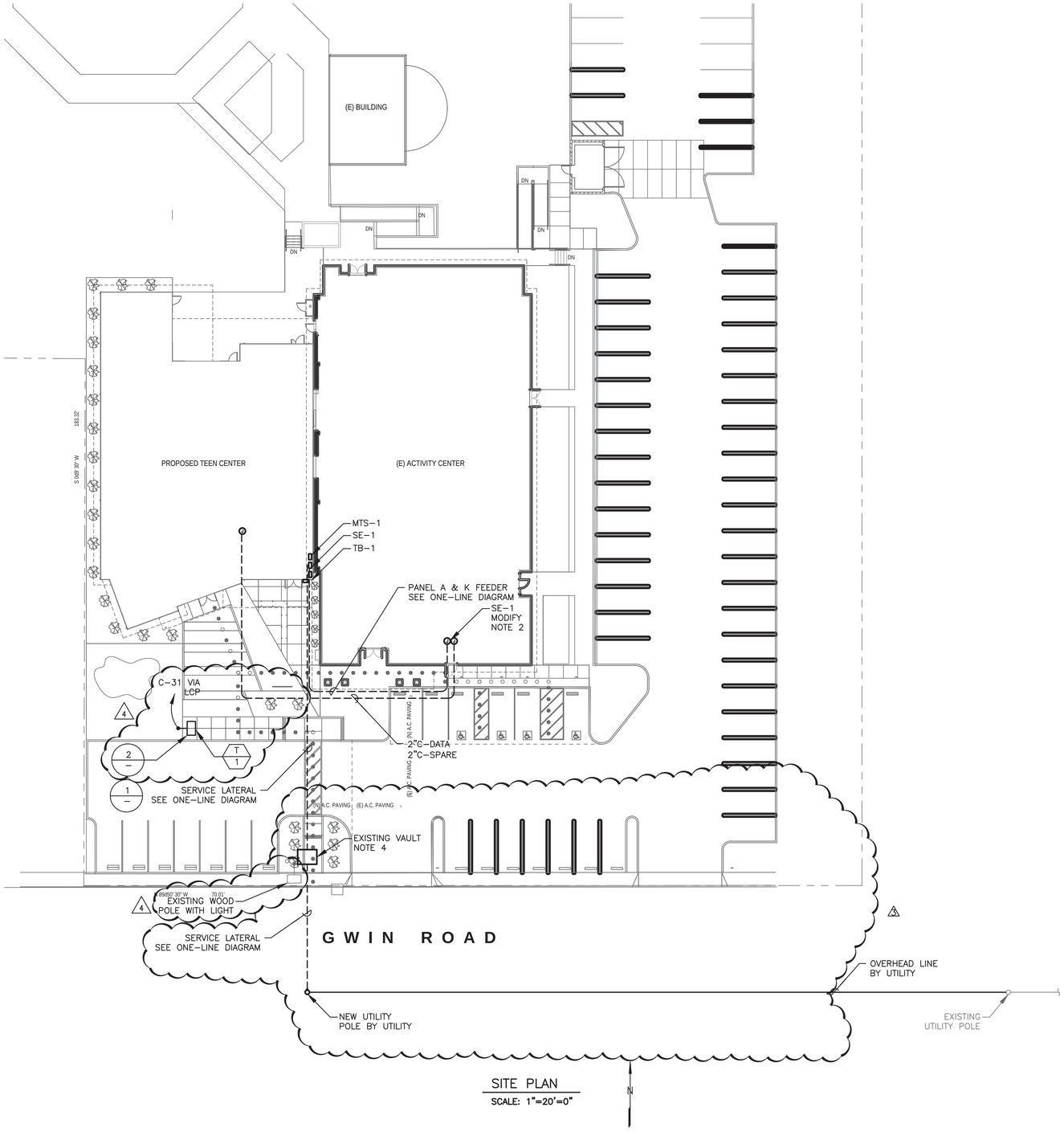
No.	Description	Date	By
1			
2			
3			
4	OWNER CHANGES	9/12/14	

BID SET 1 OCTOBER 2014

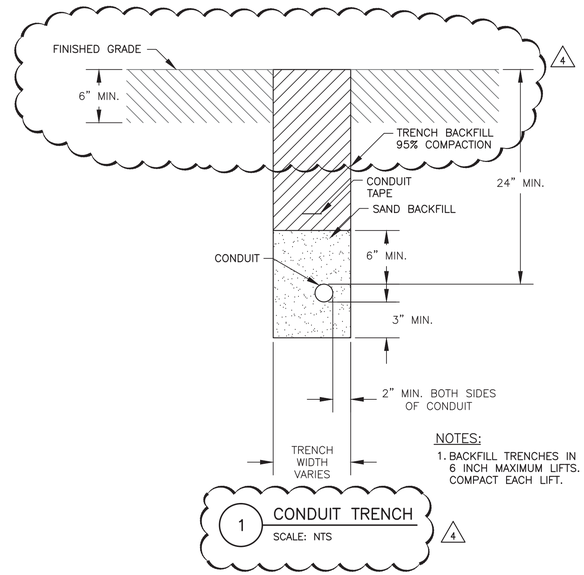
PLAN CHECK SET
JUNE 27, 2014

LEGEND AND GENERAL NOTES

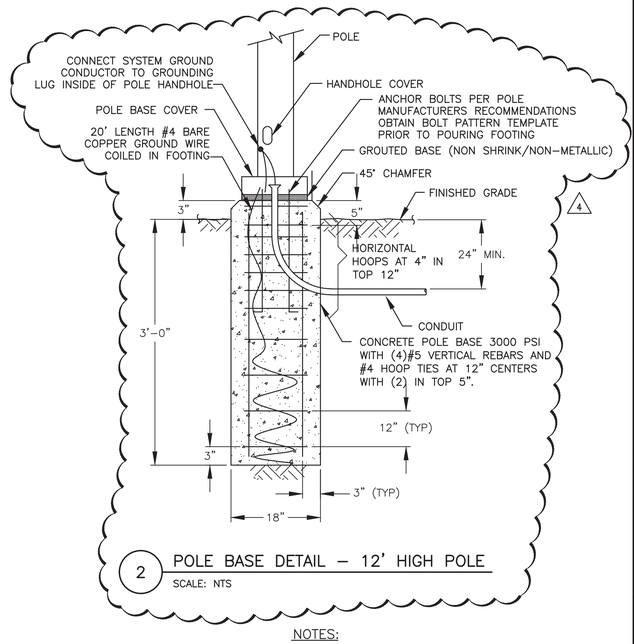
E0.0



SITE PLAN
SCALE: 1"=20'=0"



1 CONDUIT TRENCH
SCALE: NTS



2 POLE BASE DETAIL – 12' HIGH POLE
SCALE: NTS

NOTES:

1. SEE LEGEND AND GENERAL NOTES ON SHEET E0.0.
2. EXISTING SE–1 TO BE MODIFIED PER ONE–LINE DIAGRAM SHEET E2.0.
3. CONTRACTOR SHALL FIELD LOCATE ANY EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING. ANY DAMAGED EXISTING UTILTIES WILL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
4. COORDINATE WITH PG&E REGARDING CONDUIT AND CONDUCTOR INSTALLATION REQUIREMENTS INTO THE EXISTING UTILITY VAULT. (3)

1 INCH

BAR EQUALS ONE
INCH WHEN DRAWING
IS PLOTTED FULL SIZE.
IF NOT, SCALE ACCORDINGLY

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT ERIC PETER ANTONE C28388 September 2015 STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER DOUGLAS C. McMANUS NO. E013928 EXP. 6/30/16 ELECTRICAL STATE OF CALIFORNIA
SIGNED: 10/01/2014

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96003 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

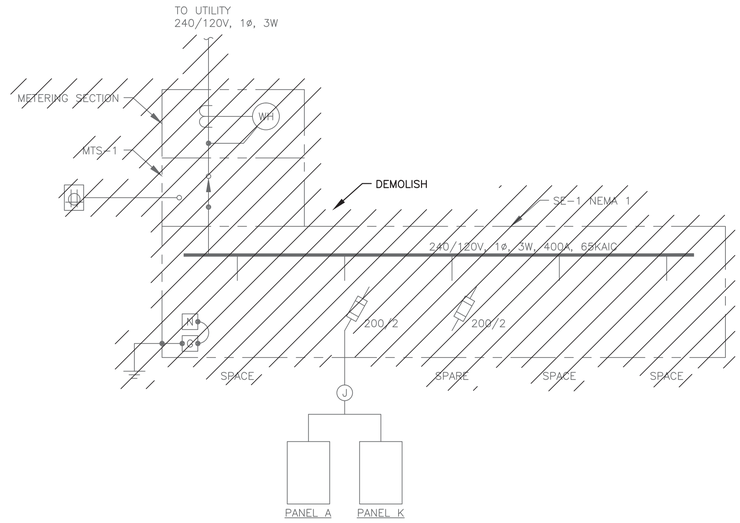
Project No.: 635-1-12
Drawn By: RO
Checked By: EP

No.	Description	Date	By
3	PG&E CHANGE	9/12/14	
4	OWNER CHANGE	10/01/14	
	BID SET 1 OCTOBER 2014		

PLAN CHECK SET
JUNE 27, 2014

SITE PLAN

E1.1



ONE–LINE DIAGRAM – DEMOLITION

NTS

LOAD SUMMARY (SE-1)

GIVEN:

- Supply Voltage 240 /120V, 1 Phase, 3 Wire

BUILDING ADDITION (6,766 SF)

GENERAL								
*	EXISTING PEAK DEMAND LOAD (SE-1)					86 A		20640 VA
*	LIGHTING (CONTINUOUS) @					2 VA / SF		13532 VA
	RECEPTACLES					97 @ 180 VA EA. First 10KVA		10000 VA
						Remainder over 10 KVA @ 50%		3730 VA
							Subtotal General	**47902 VA**
Loads		HP	Amps	Volts	Phase			
#63	WH-1 Water Heater		6.6	120	1	1 @ 792 VA EA		792 VA
	WH-2 Water Heater		30.0	240	1	1 @ 7200 VA EA		7200 VA
#45	Walk-in Freezer		19.1	240	1	1 @ 4584 VA EA		4584 VA
#43	Walk-in Refrigerator		6.6	240	1	1 @ 1584 VA EA		1584 VA
#1	Convection Oven	0.5	9.0	120	1	1 @ 1080 VA EA		1080 VA
#11	Heated Cabinet		16.0	120	1	1 @ 1920 VA EA		1920 VA
#22	Coffee Maker		25.0	240	1	1 @ 6000 VA EA		6000 VA
#23	Iced Tea Maker		15.0	120	1	1 @ 1800 VA EA		1800 VA
#38	Warewasher	0.75	11.4	120	1	1 @ 1368 VA EA		1368 VA
#48	Ice Machine		14.4	120	1	1 @ 1728 VA EA		1728 VA
#55	Mixer	0.5	6.0	120	1	1 @ 720 VA EA		720 VA
#12	3-Door Refrigerator	0.5	11.8	120	1	1 @ 1416 VA EA		1416 VA
#57	Toaster		1.8	120	1	1 @ 216 VA EA		216 VA
#59	Food Slicer	0.5	7.0	120	1	1 @ 840 VA EA		840 VA
#4	Overhead Food Warmer		4.2	120	1	1 @ 504 VA EA		504 VA
#31	Air Curtain	1	9.8	120	1	1 @ 1176 VA EA		1176 VA
61, 62	Roll-up door	0.5	9.8	115	1	2 @ 1127 VA EA		2254 VA
#9	Ansul System		2.0	120	1	1 @ 240 VA EA		240 VA
	Drinking Fountain		5.0	120	1	1 @ 600 VA EA		600 VA
	Projection Screen		1.1	120	1	1 @ 132 VA EA		132 VA
	RT-1		39.7	240	1	1 @ 9528 VA EA		9528 VA
	RT-2		35.7	240	1	1 @ 8568 VA EA		8568 VA
	RT-3		27.0	240	1	1 @ 6480 VA EA		6480 VA
	EF-1		0.6	120	1	1 @ 72 VA EA		72 VA
	EF-2	0.17	4.4	120	1	1 @ 528 VA EA		528 VA
#6/6.1	EF-3	3	16.3	240	1	1 @ 3912 VA EA		3912 VA
	EF-4	0.17	4.4	120	1	1 @ 528 VA EA		528 VA
	EF-5		1.5	120	1	1 @ 180 VA EA		180 VA
	MUA-1	1.5	15.0	240	1	1 @ 3600 VA EA		3600 VA
							Subtotal Loads	**69550 VA**
	TOTAL CONNECTED LOAD							**117452 VA**
	TOTAL DEMAND LOAD (CONTINUOUS LOADS @ 125%, "*" = Continuous Load)							**125995 VA**
	MINIMUM REQUIRED FEEDER AMPACITY							**525 A**
	MINIMUM EQUIPMENT BUS RATING							**600 A**

PANEL B

Status: New | Line-to-neutral Voltage: 120 V | Main breaker size: 225 | Job Name: McKinleyville
Bus rating (A): 225 | Line-to-line Voltage: 240 V | Fault rating: 10 kAIC | **ArcSine number:** 1407
Mounting: Flush | Nema rating: Nema-1 | Location: Kitchen | 9/11/2014

Description	Category	Line Amps	Ph-A kVA	Ph-B kVA	Bkr. Size	Ckt. No.	Phase A	Phase B	Ckt. No.	Bkr. Size	Ph-A kVA	Ph-B kVA	Line Amps	Category	Description
#11 Heated Cabinet	2	16.0	1.9		20	1	●		2	35	3.0		25.0	2	Coffee Maker #22
#1 Convection Oven	2	9.0		1.1	20	3		●	4			3.0	25.0	2	↓
#61 Roll-up door -- Room 108, two receptacles	2	12.4	1.5		20	5	●		6	35	0.8		6.6	3	WH-1 #63
#48 Ice Machine	2	14.4		1.7	20	7		●	8	30		2.3	19.2	3	Walk-in Freezer #45
#38 Warewasher	2	11.4	1.4		20	9	●		10		2.3		19.2	3	↓
#12 3-Door Refrigerator	3	11.8		1.4	20	11		●	12			1.2	9.8	2	Roll-up Door -- Room 106
Spare					20	13	●		14		1.8		15.0	2	Iced Tea Maker #23
#55 Mixer	2	6.0	0.7		20	15		●	16			1.2	10.0	2	Air Curtain #31
#5 & #57 Grease Hood Light &Toaster	2	2.5	0.3		20	17	●		18		0.8		6.6	3	Walk-in Refrigerator #43
#59 Food Slicer	2	7.0		0.8	20	19		●	20			0.8	6.6	3	↓
#4 Overhead Food Warmer	2	4.2	0.5		20	21	●		22		1.4		12.0	2	Receptacles -- Café, Kitchen, Pantry
#9 Ansul System	3	2.0		0.2	20	23		●	24			0.4	3.0	2	TVs -- Room 106
EF-4 Warewasher Hood	7	4.4	0.5		20	25	●		26		0.4		3.0	2	Receptacles -- Kitchen
#6 EF-3 Grease Hood	7	16.3		2.0	20	27		●	28			1.8	15.0	2	Receptacles -- Room 106
↓	7	16.3	2.0		20	29	●		30		3.6		30.0	3	WH-2
MUA-1 Make-Up Air Unit	7	15.0		1.8	20	31		●	32			3.6	30.0	3	↓
↓	7	15.0	1.8		20	33	●		34		0.2		1.5	7	EF-5
#45A Freezer	3	6.7		0.8	20	35		●	36			1.6	13.5	2	Receptacles -- Room 23
#43.1 Refrigerator	3	1.7	0.2		20	37	●		38					3	Space
Space						39			40					3	↓
Space						41			42		0.4		3.3	2	Receptacles -- Kitchen
Subtotal kVA			10.1	10.6							14.7	15.8			
Subtotal Amps			83.8	88.2							122.2	132.1			

Load Summary

Category	Connected Load: Description	Load		Demand Load: Description	Factor	Load	
1	Lighting	0	kVA	Lighting	1.25	0	kVA
2	Receptacles < 10 kVA	10	kVA	Receptacles < 10 kVA	1.0	10	kVA
2	Receptacles > 10 kVA	16.1	kVA	Receptacles > 10 kVA	0.5	8.05	kVA
3	Miscellaneous non-continuous	16.8	kVA	Misc. non-continuous	1.0	16.8	kVA
4	Miscellaneous continuous	0	kVA	Misc. continuous	1.25	0	kVA
5	Largest motor	0	kVA	Largest Motor	1.25	0	kVA
6	Sub Panel Feeder	0	kVA	Sub Panel Feeder	1.0	0	kVA
7	HVAC Equipment	8.22	kVA	HVAC Equipment	1.0	8.22	kVA
	Total connected kVA	51.1	kVA	Total demand kVA		43.1	kVA
	Average connected Amps	213	A	Average demand Amps		180	A

Notes:
1. All kitchen equipment loads shall be coordinated with the supplier.

PANEL C

Status: New | Line-to-neutral Voltage: 120 V | Main breaker size: 225 | Job Name: McKinleyville
Bus rating (A): 225 | Line-to-line Voltage: 240 V | Fault rating: 10 kAIC | **ArcSine number:** 1407
Mounting: Surface | Nema rating: Nema-1 | Location: Elect. Room | 9/11/2014

Description	Category	Line Amps	Ph-A kVA	Ph-B kVA	Bkr. Size	Ckt. No.	Phase A	Phase B	Ckt. No.	Bkr. Size	Ph-A kVA	Ph-B kVA	Line Amps	Category	Description
Note 3 Lighting: Rooms 101, 117	1	10.0	1.2		20	1	●		2	20		0.9	7.5	2	Receptacles: Room 108
Lighting: Rooms 104, 105, 107	1	9.2		1.1	20	3		●	4			0.4	3.3	2	Receptacles: Rooms 105, 106
Lighting: Rooms 108-116	1	12.5	1.5		20	5	●		6		1.6		13.3	2	Receptacles: Room 104
Lighting: Rooms 102, 103	1	14.2		1.7	20	7		●	8			1.6	13.3	2	Receptacles: Room 101, 103
Lighting: Rooms 101, 106	1	6.7	0.8		20	9	●		10						Spare
LCP	1	0.8		0.1	20	11		●	12		0.7		5.8	2	Receptacles: Rooms 123, 101
Note 1 RT-1	7	40.0	4.8		50	13	●		14		1.3		10.8	2	Receptacles: Room 118, 120; H2O Fountain
↓	7	40.0		4.8	50	15		●	16			1.3	10.8	2	Receptacles: Room 101, 117
Note 1 RT-2	7	35.8	4.3		50	17	●		18		0.5		4.2	2	Receptacles: Room 106, Exterior (north)
↓	7	35.8		4.3	50	19		●	20			0.7	5.8	2	Receptacles: Room 102
Note 1 RT-3	7	28.3	3.4		45	21	●		22		0.7		5.8	2	Receptacles: Room 102
↓	7	28.3		3.4	45	23		●	24						Spare
EF-1 (Janitor) & EF-2 (Restrooms)	7	5.0	0.6		20	25	●		26						↓
Note 3 Lighting: Rooms 101, 106	1	13.3		1.6	20	27		●	28		0.4		3.3	2	Receptacles: Room 121
Note 2 FACP	2	1.7	0.2		20	29	●		30		1.3		10.8	2	Receptacles: Room 106, 107
Note 3 Lighting: Exterior	1	5.8		0.7	20	31		●	32						Spare
↓ Lighting: Rooms 118-123	1	14.2	1.7		20	33	●		34						↓
Spare					20	35		●	36		0.5		4.2	2	Projector & Screen: Room 103
					20	37	●		38		0.7		5.8	2	Receptacles: Rooftop GFCI
					20	39		●	40						Space
					20	41	●		42						Space
Subtotal kVA			18.5	17.7							7.0	5.6			
Subtotal Amps			154.2	147.5							58.3	46.7			

Load Summary

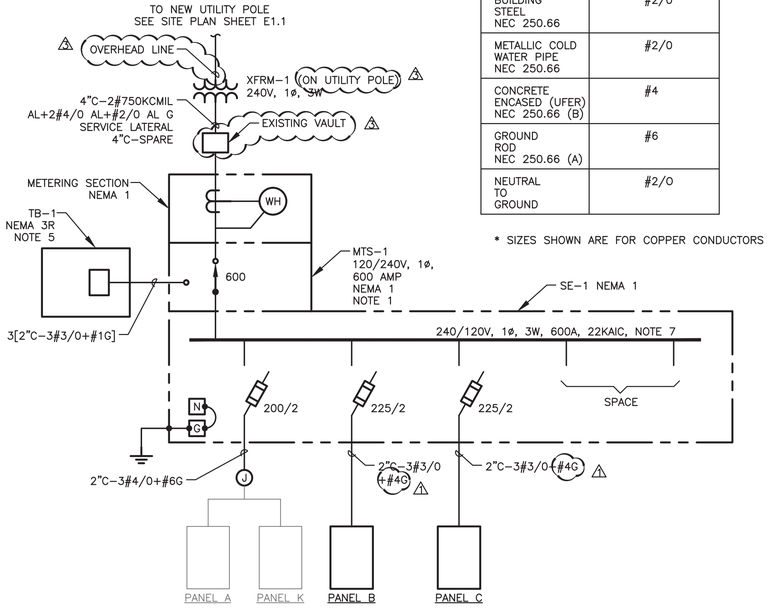
Category	Connected Load: Description	Load		Demand Load: Description	Factor	Load	
1	Lighting	10.4	kVA	Lighting	1.25	13	kVA
2	Receptacles < 10 kVA	10	kVA	Receptacles < 10 kVA	1.0	10	kVA
2	Receptacles > 10 kVA	2.8	kVA	Receptacles > 10 kVA	0.5	1.4	kVA
3	Miscellaneous non-continuous	0	kVA	Misc. non-continuous	1.0	0	kVA
4	Miscellaneous continuous	0	kVA	Misc. continuous	1.25	0	kVA
5	Largest motor	0	kVA	Largest Motor	1.25	0	kVA
6	Sub Panel Feeder	0	kVA	Sub Panel Feeder	1.0	0	kVA
7	HVAC Equipment	25.6	kVA	HVAC Equipment	1.0	25.6	kVA
	Total connected kVA	48.8	kVA	Total demand kVA		50	kVA
	Average connected Amps	203	A	Average demand Amps		208	A

Notes:
1. Noted breakers shall be HACR rated
2. Provide a red breaker for FACP panel. Coordinate of panel with design/build contractor.
3. All lighting branch circuits shall be routed through LCP.

GROUNDING ELECTRODE CONDUCTOR SIZE TABLE

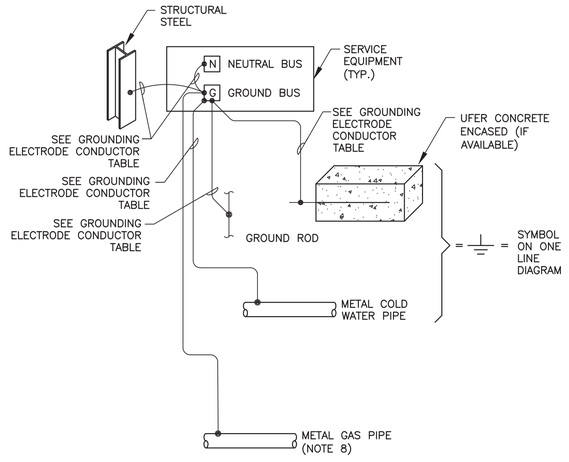
	AMPACITY OF SERVICE LATERAL (NOTE 7)
GROUNDING ELECTRODE	600A
BUILDING STEEL NEC 250.66	#2/0
METALLIC COLD WATER PIPE NEC 250.66	#2/0
CONCRETE ENCASED (UFER) NEC 250.66 (B)	#4
GROUND ROD NEC 250.66 (A)	#6
NEUTRAL TO GROUND	#2/0

* SIZES SHOWN ARE FOR COPPER CONDUCTORS



ONE–LINE DIAGRAM – IMPROVEMENT

NTS



GROUNDING ELECTRODE WIRING DIAGRAM

NOT TO SCALE NOTE 9

NOTES:

1. SEE LEGEND & GENERAL NOTES ON SHEET E0.0.
2. SEE NOTES ON INDIVIDUAL PANEL SCHEDULES.
3. EXCEPT WHERE OTHERWISE NOTED, CONDUCTORS SHALL BE STRANDED WITH THWN INSULATION AND SHALL BE INSTALLED IN CONDUIT EXCEPT SOLID CONDUCTORS MAY BE USED FOR 15, 20, 25, AND 30 AMP BRANCH CIRCUITS. USE COPPER EXCEPT WHERE ALUMINUM (AL) IS INDICATED. FOR COPPER BRANCH WIRING USE THE FOLLOWING WIRE SIZES EXCEPT WHERE OTHERWISE INDICATED:

CIRCUIT PROTECTION (AMPS)	15	20	25	30	40	50	60
COPPER WIRE SIZE (AWG)	14	12	10	10	8	6	4
GROUNDING WIRE SIZE (AWG)	14	12	10	10	10	10	10

DO NOT SHARE NEUTRALS IN BRANCH CIRCUIT WIRING.

4. MANUAL TRANSFER SWITCH–1 (MTS–1) SHALL BE UL LISTED CUTLER–HAMMER MTVXMDA20600ESU OR EQUIVALENT.
5. TAP BOX (TB–1) SHALL BE RATED FOR 240V, 1 PHASE, 800 AMP, NEMA 3R, SINGLE STAB CONNECTION, MALE CONNECTOR. ESL POWER SYSTEMS IB8–240–111–S–C OR EQUIVALENT.
6. AT THE TIME OF DESIGN AIC FAULT REQUIREMENTS WERE UNAVAILABLE FROM UTILITY. DETERMINE FINAL AIC RATINGS DURING CONSTRUCTION
7. WHERE UPSTREAM SERVICE LATERAL IS NOT SHOWN FOR ELECTRICAL SERVICES, USE SERVICE EQUIPMENT BUS RATING FOR CHOOSING WIRE SIZES.
8. METAL GAS PIPING SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM BUT IS NOT PART OF THE GROUNDING ELECTRODE SYSTEM, PER NEC 250.52 (B) AND 250.104(B).
9. NEC DOES NOT SPECIFY A MANDATORY HIERARCHY FOR CONNECTION ORDER BETWEEN THE GROUNDING ELECTRODES AVAILABLE ON SITE. THE NEC REQUIRES THAT THE MAIN GROUNDING ELECTRODE CONDUCTOR BE FULL SIZE PER TABLE 250.66. THIS SHALL BE THE FIRST CONNECTION FROM THE SERVICE EQUIPMENT GROUND BUS TO THE GROUNDING ELECTRODE SYSTEM; REMAINING CONNECTIONS ARE CLASSIFIED AS BONDING JUMPERS AND MAY BE SIZED PER TABLE ABOVE.

LDA partners LLP
lesovsky-donaldson-zagaroli-wohlle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT C2 STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER DOUGLAS C. MCKINNEY NO: E013928 EXP. 6/30/16 ELECTRICAL STATE OF CALIFORNIA
SIGNED: 09/11/2014

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: RO
Checked By: EP

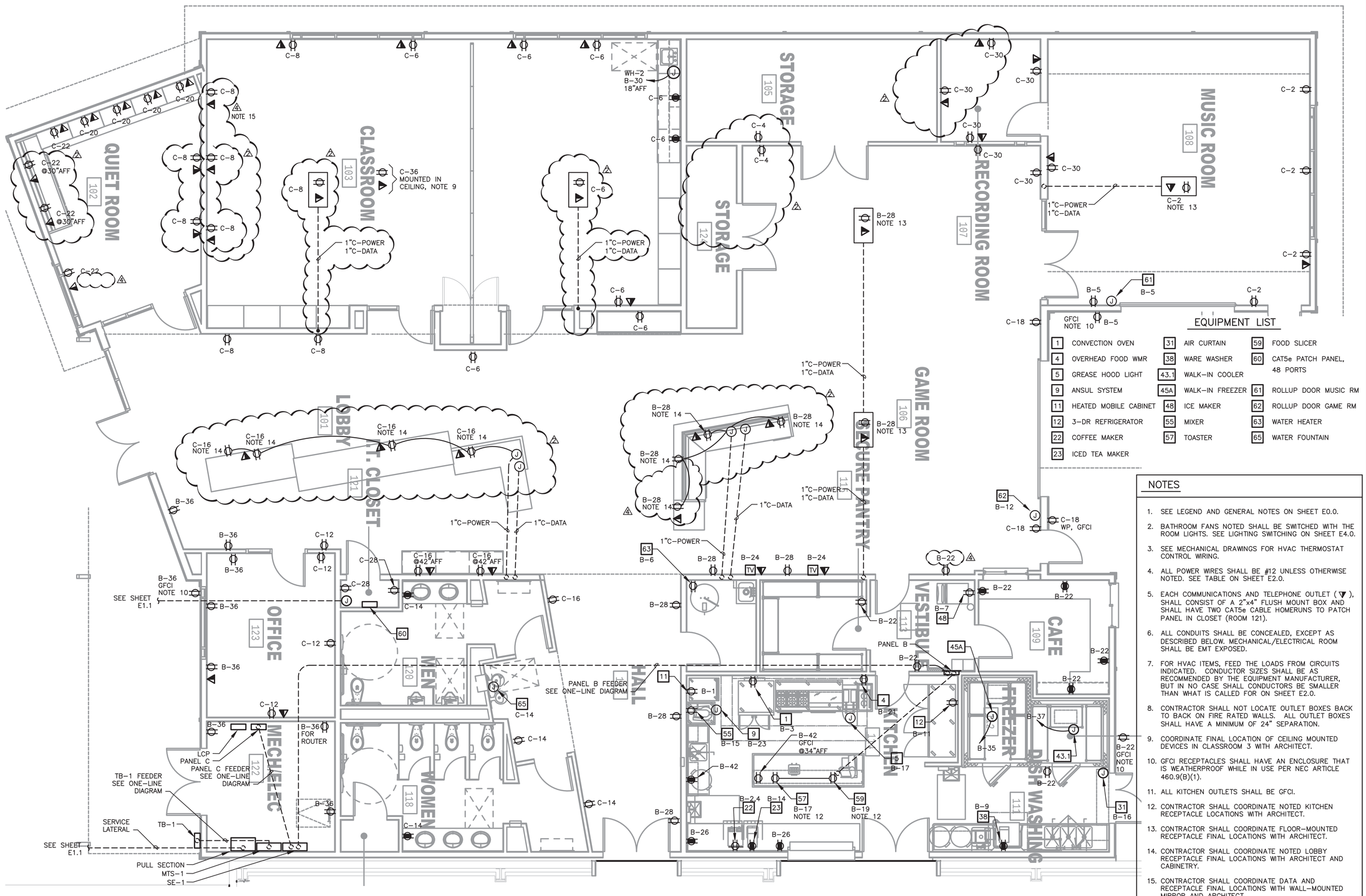
No.	Description	Date	By
1	CITY REVIEW	9/12/14	
2	PG&E CHANGE	9/12/14	
3			
4			

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

ONE-LINE DIAGRAM AND SCHEDULES

E2.0



EQUIPMENT LIST

1	CONVECTION OVEN	31	AIR CURTAIN	59	FOOD SLICER
4	OVERHEAD FOOD WMR	38	WARE WASHER	60	CAT5e PATCH PANEL, 48 PORTS
5	GREASE HOOD LIGHT	43.1	WALK-IN COOLER		
9	ANSUL SYSTEM	45A	WALK-IN FREEZER	61	ROLLUP DOOR MUSIC RM
11	HEATED MOBILE CABINET	48	ICE MAKER	62	ROLLUP DOOR GAME RM
12	3-DR REFRIGERATOR	55	MIXER	63	WATER HEATER
22	COFFEE MAKER	57	TOASTER	65	WATER FOUNTAIN
23	ICED TEA MAKER				

NOTES

1. SEE LEGEND AND GENERAL NOTES ON SHEET E0.0.
2. BATHROOM FANS NOTED SHALL BE SWITCHED WITH THE ROOM LIGHTS. SEE LIGHTING SWITCHING ON SHEET E4.0.
3. SEE MECHANICAL DRAWINGS FOR HVAC THERMOSTAT CONTROL WIRING.
4. ALL POWER WIRES SHALL BE #12 UNLESS OTHERWISE NOTED. SEE TABLE ON SHEET E2.0.
5. EACH COMMUNICATIONS AND TELEPHONE OUTLET (▼), SHALL CONSIST OF A 2"x4" FLUSH MOUNT BOX AND SHALL HAVE TWO CAT5e CABLE HOMERUNS TO PATCH PANEL IN CLOSET (ROOM 121).
6. ALL CONDUITS SHALL BE CONCEALED, EXCEPT AS DESCRIBED BELOW. MECHANICAL/ELECTRICAL ROOM SHALL BE EMT EXPOSED.
7. FOR HVAC ITEMS, FEED THE LOADS FROM CIRCUITS INDICATED. CONDUCTOR SIZES SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER, BUT IN NO CASE SHALL CONDUCTORS BE SMALLER THAN WHAT IS CALLED FOR ON SHEET E2.0.
8. CONTRACTOR SHALL NOT LOCATE OUTLET BOXES BACK TO BACK ON FIRE RATED WALLS. ALL OUTLET BOXES SHALL HAVE A MINIMUM OF 24" SEPARATION.
9. COORDINATE FINAL LOCATION OF CEILING MOUNTED DEVICES IN CLASSROOM 3 WITH ARCHITECT.
10. GFCI RECEPTACLES SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHILE IN USE PER NEC ARTICLE 460.9(B)(1).
11. ALL KITCHEN OUTLETS SHALL BE GFCI.
12. CONTRACTOR SHALL COORDINATE NOTED KITCHEN RECEPTACLE LOCATIONS WITH ARCHITECT.
13. CONTRACTOR SHALL COORDINATE FLOOR-MOUNTED RECEPTACLE FINAL LOCATIONS WITH ARCHITECT.
14. CONTRACTOR SHALL COORDINATE NOTED LOBBY RECEPTACLE FINAL LOCATIONS WITH ARCHITECT AND CABINETRY.
15. CONTRACTOR SHALL COORDINATE DATA AND RECEPTACLE FINAL LOCATIONS WITH WALL-MOUNTED MIRROR AND ARCHITECT.

N

PARTIAL POWER PLAN

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

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

1407-E3.0 09/11/2014

LDA partners LLP
lesovsky-donaldson-zagaroli-wohlle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT C2 STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER DOUGLAS C. MCKINNEY NO. E013928 EXP. 6/30/16 ELECTRICAL STATE OF CALIFORNIA
SIGNED: 09/18/2014

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)222-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: RO
Checked By: EP

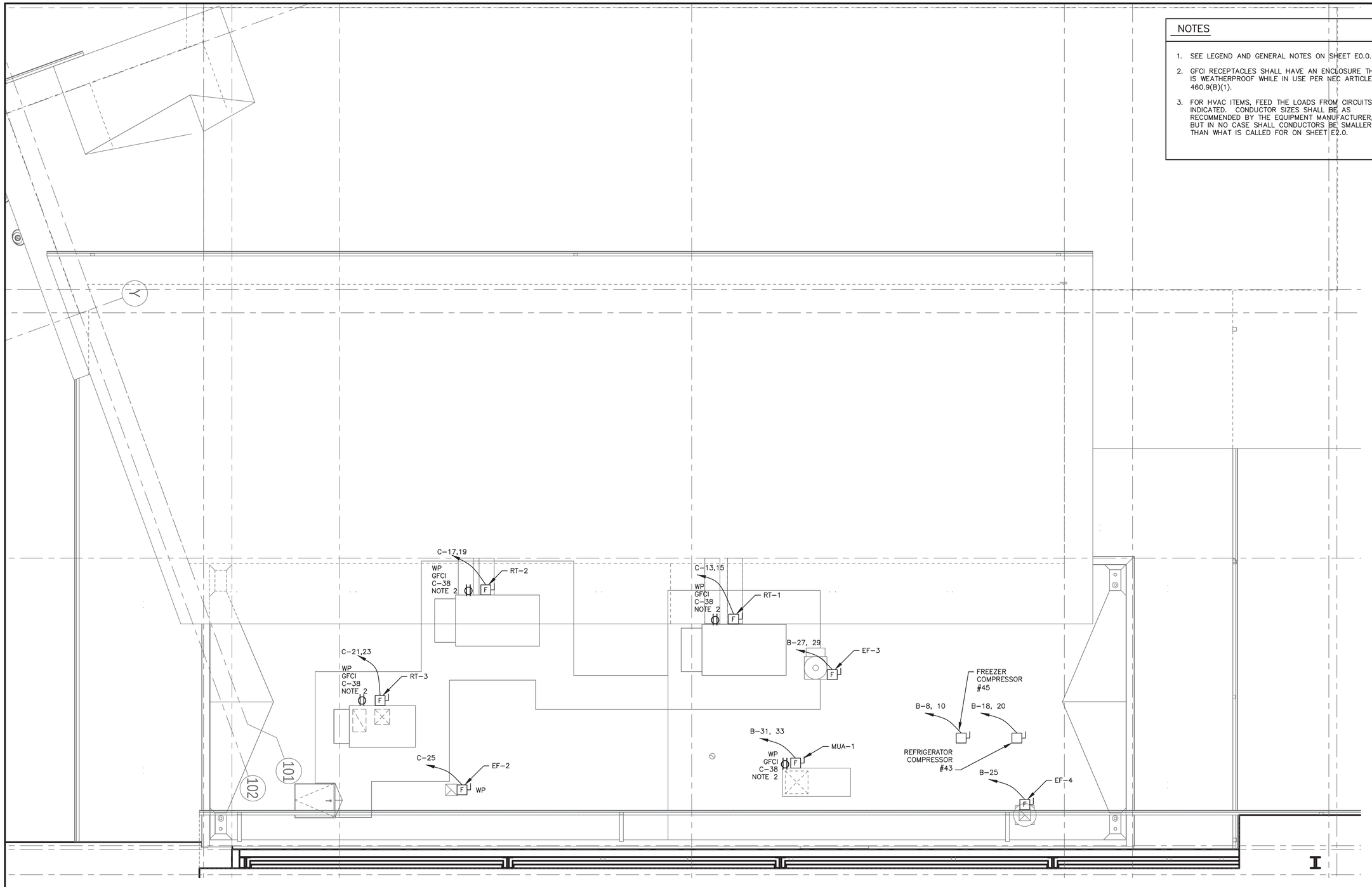
No.	Description	Date	By
1			
2			
3	OWNER CHANGES	9/18/14	JJ
4	OWNER CHANGES	9/12/14	JJ

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

PARTIAL POWER PLAN

E3.0



NOTES

1. SEE LEGEND AND GENERAL NOTES ON SHEET E0.0.
2. GFCI RECEPTACLES SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHILE IN USE PER NEC ARTICLE 460.9(B)(1).
3. FOR HVAC ITEMS, FEED THE LOADS FROM CIRCUITS INDICATED. CONDUCTOR SIZES SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER, BUT IN NO CASE SHALL CONDUCTORS BE SMALLER THAN WHAT IS CALLED FOR ON SHEET E2.0.

N

PARTIAL ROOF PLAN
SCALE: 1/4" = 1'-0"

1 INCH
BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

1407-E3.1 09/11/2014

LDA partners LLP
lesovsky-donaldson-zagaroli-wohlie
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C2
STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS C. MONNETTE
NO. E013928
EXP. 6/30/16
ELECTRICAL
STATE OF CALIFORNIA
SIGNED: 09/11/2014

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: RO
Checked By: EP

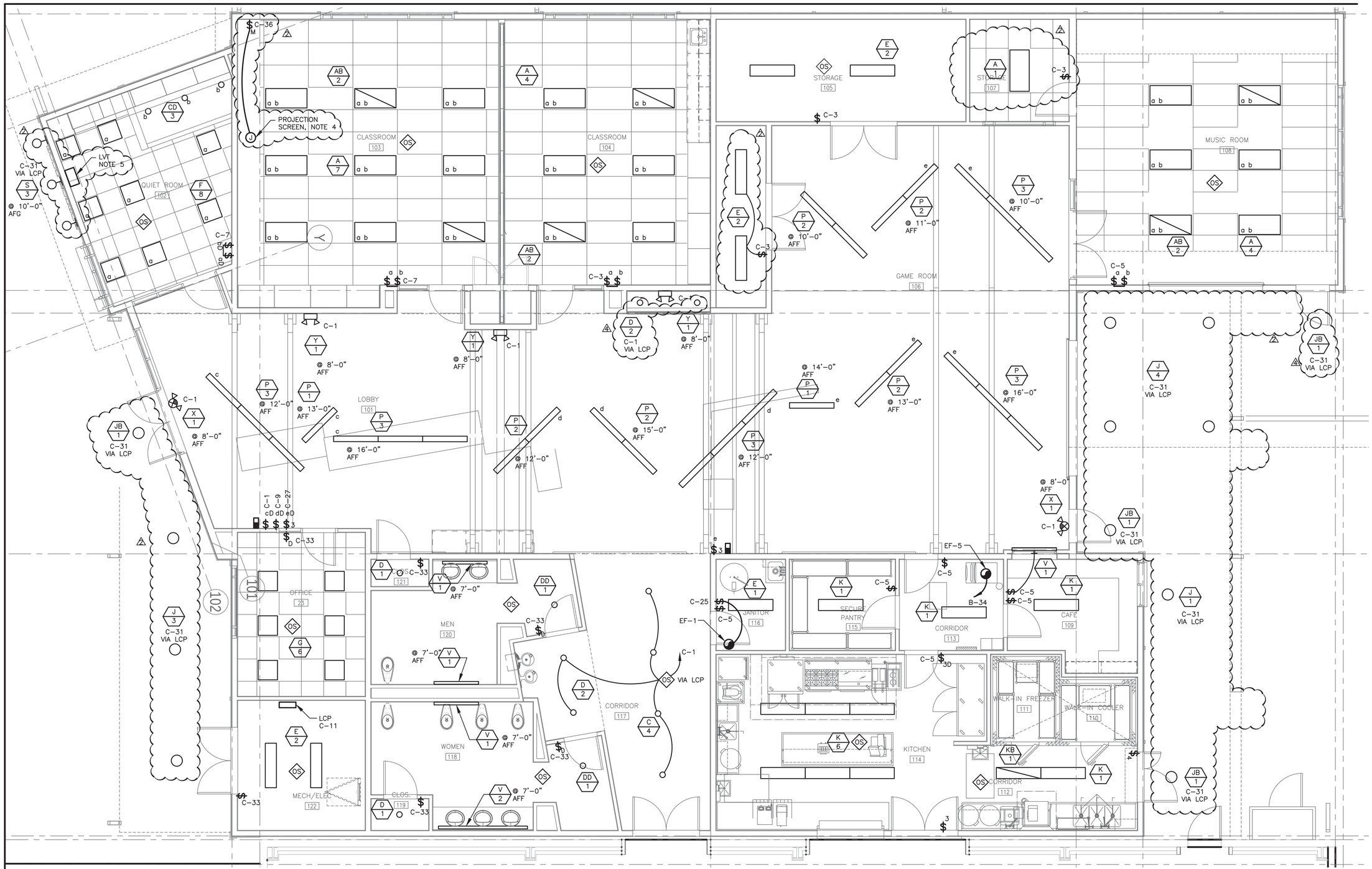
No.	Description	Date	By

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

PARTIAL ROOF PLAN

E3.1



NOTES:

1. SEE LEGEND AND GENERAL NOTES ON SHEET E0.0.
2. SWITCHED CIRCUITS FOR LIGHTING ARE NOT SHOWN ON THESE PLANS. INSTEAD, SWITCHES FOR FIXTURES IN EACH ROOM ARE TAGGED WITH ONLY THE SOURCE PANELBOARD AND CIRCUIT NUMBER THAT FEEDS THE LIGHTING CIRCUIT(S) IN THAT ROOM. THE SWITCH(ES) IN EACH ROOM CONTROLS THE LUMINAIRES IN THAT ROOM ONLY. WHERE THERE IS MORE THAN ONE SWITCH IN A ROOM OR WHEN LUMINAIRES IN A ROOM ARE CONTROLLED BY A SWITCH IN A DIFFERENT LOCATION, SUBSCRIPT LETTERS ARE USED TO IDENTIFY THE LUMINAIRES CONTROLLED BY EACH SWITCH. IN ROOMS WITH THREE-WAY OR FOUR-WAY SWITCHING ($_3$ OR $_4$) PANELBOARD CIRCUIT ASSIGNMENTS ARE SHOWN ON ONLY ONE OF THE TWO SWITCHES. THE REMAINING SWITCH, THOUGH USED IN THE CIRCUIT, HAS NO CIRCUIT IDENTIFICATION NOTED.
3. ALL POWER WIRES SHALL BE #12 UNLESS OTHERWISE NOTED. SEE TABLE ON SHEET E2.0.
4. JUNCTION BOX NOTED IS MOUNTED ABOVE CEILING. COORDINATE FINAL LOCATION WITH ARCHITECT.
5. LOW VOLTAGE TRANSFORMER SHALL BE A "WINSCAPE" TM40 OR EQUAL. LOW VOLTAGE TRANSFORMER IS MOUNTED ABOVE CEILING. COORDINATE FINAL LOCATION WITH ARCHITECT.

PARTIAL LIGHTING PLAN

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

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

1407-E4.0 09/11/2014

LDA partners LLP
lesovsky•donaldson•zagaroli•wohlke
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT C2 STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER DOUGLAS C. MYHRE NO. E013928 EXP. 6/30/16 ELECTRICAL STATE OF CALIFORNIA
SIGNED: 09/18/2014

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)222-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: RO
Checked By: EP

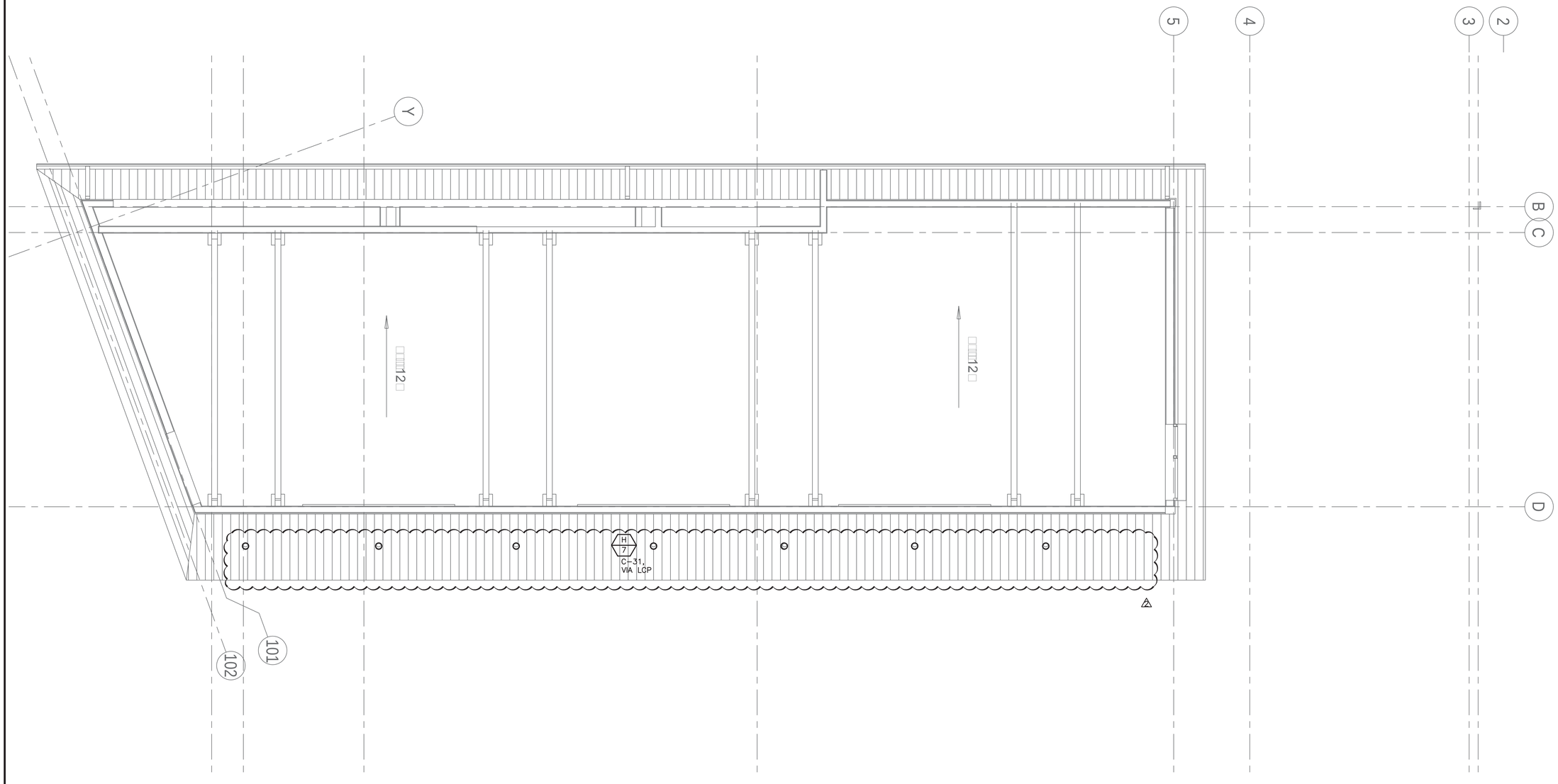
No.	Description	Date	By
1			
2			
3	OWNER CHANGES	9/18/14	
4	OWNER CHANGES	9/12/14	

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

PARTIAL LIGHTING PLAN

E4.0



PARTIAL LIGHTING PLAN

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

N

NOTES:

1. SEE LEGEND AND GENERAL NOTES ON SHEET E0.0.

1 INCH

BAR EQUALS ONE INCH WHEN DRAWING IS PLOTTED FULL SIZE. IF NOT, SCALE ACCORDINGLY

1407-E4.1 09/11/2014

LDA partners LLP
lesovsky•donaldson•zagaroli•wohlie
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

LICENSED ARCHITECT
C2[illegible]
STATE OF CALIFORNIA

Consultant:

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS C. MANNEE
NO: E013928
EXP. 6/30/16
ELECTRICAL
STATE OF CALIFORNIA

SIGNED: 09/11/2014

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1238 Disk Drive | Medford, OR 97501 | (541)842-4188
583 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: NP
Checked By: EP

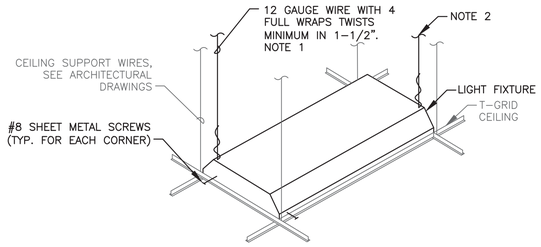
No.	Description	Date	By
1			
2			
3			
4	OWNER CHANGES	9/12/14	

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

PARTIAL LIGHTING PLAN

E4.1

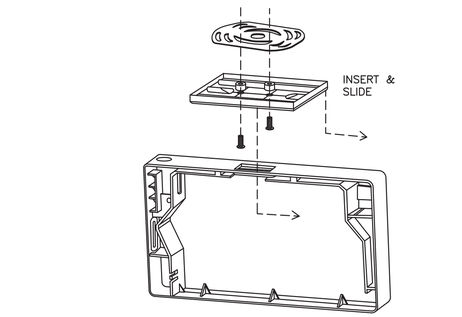


NOTES:

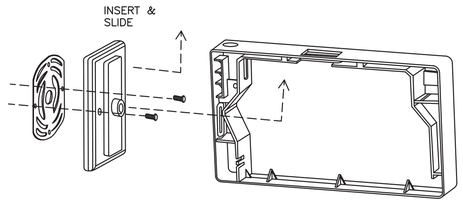
1. IF LIGHT FIXTURE WEIGHS MORE THAN 56LBS, PROVIDE A HANGER WIRE AT EACH CORNER OF LIGHT FIXTURE.
2. SECURELY FASTEN HANGER WIRES TO STRUCTURE CEILING OR FLOOR ABOVE.

T–GRID SUSPENDED LIGHT FIXTURE

NTS



CEILING MOUNT

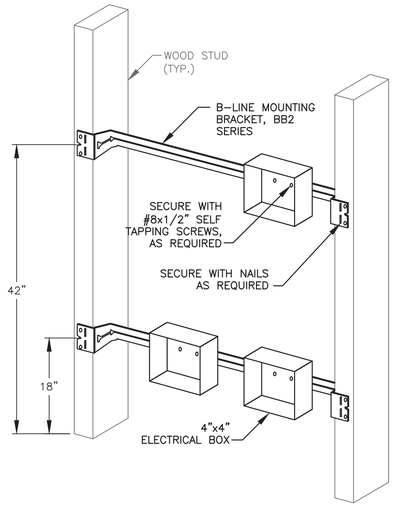


WALL MOUNT

UL APPROVED DESIGN W–L–3281

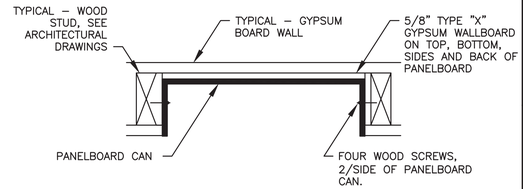
EXIT LIGHT FIXTURE MOUNTING

NTS

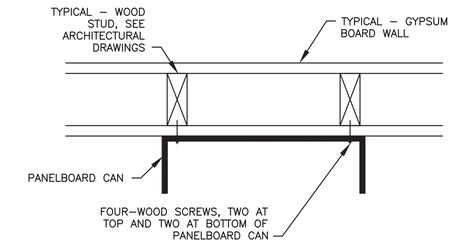


BOX MOUNTING BRACKETS – WOODEN FRAMING

NTS



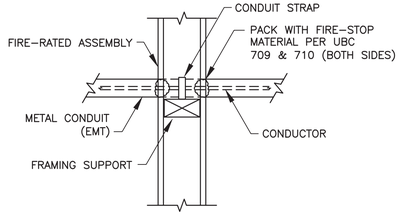
FLUSH MOUNTING



SURFACE MOUNTING

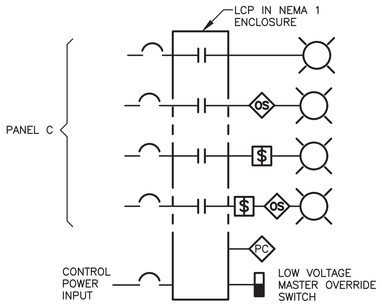
PANELBOARD MOUNTING DETAIL

NTS (WOOD FRAMING)



PENETRATION OF FIRE–RATED ASSEMBLY

NTS



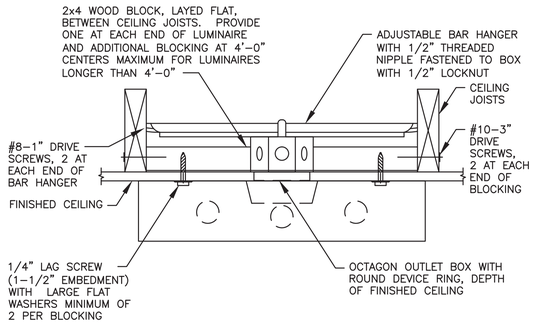
NOTES:

1. THE LIGHTING CONTROL PANEL SHALL BE A PROGRAMMABLE CONTROL PANEL AND SHALL INCLUDE CAPABILITY FOR 8 DISCRETE LOW VOLTAGE INPUTS. THE LCP SHALL HAVE THE ABILITY TO CONTROL UP TO 8 SINGLE OR 4 TWO–POLE LOADS. EACH OUTPUT RELAY SHALL HAVE CONTACTS RATED AT 20A FOR LIGHTING LOADS AT VOLTAGES RANGING FROM 120V TO 240V. LCP SHALL BE COOPER CONTROLS LK8 OR APPROVED EQUAL. USE TWO–POLE RELAYS FOR TWO–POLE LOADS. INCLUDE A COMPATIBLE OUTDOOR PHOTOCELL FOR USE AS A DISCRETE INPUT. VERIFY OPERATIONAL CRITERION WITH OWNER (TIME ON/OFF, HOLIDAY SCHEDULE, ETC.).
2. PHOTOCELL SHALL BE COMPATIBLE WITH THE LCP AND MOUNTED ON THE ROOF. PHOTO EYE SHALL FACE NORTH.

LIGHTING CONTROL PANEL (LCP)
FEATURES INCLUDED: –SWITCH INPUTS –20A RELAYS –INTERNAL TIME CLOCK –ASTRONOMICAL CLOCK –KEYPAD –LCD DISPLAY –HOLIDAY SCHEDULES –MASTER OVERRIDE –PHOTOCELL PC

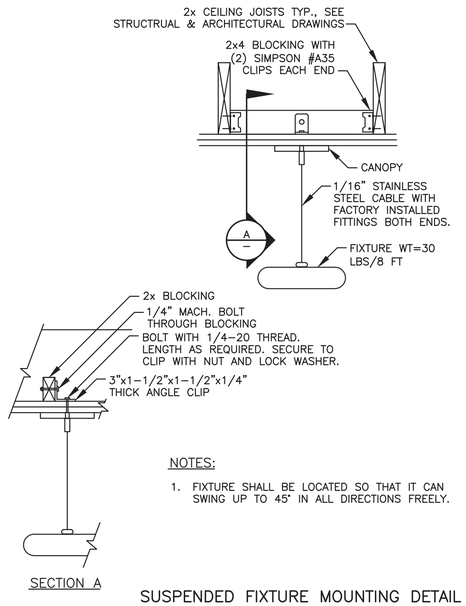
LIGHTING CONTROL PANEL (LCP) INTERCONNECTION DIAGRAM – TYPICAL

NTS



SURFACE LUMINAIRE MOUNTING DETAIL

NTS



NOTES:

1. FIXTURE SHALL BE LOCATED SO THAT IT CAN SWING UP TO 45° IN ALL DIRECTIONS FREELY.

SUSPENDED FIXTURE MOUNTING DETAIL

NTS

NOTES
1. SEE LEGEND AND GENERAL NOTES ON SHEET E0.0.

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

LICENSED ARCHITECT C2 [redacted] S [redacted] 201 STATE OF CALIFORNIA

Consultant:
REGISTERED PROFESSIONAL ENGINEER DOUGLAS C. MCKINNEY NO. E013928 EXP. 6/30/16 ELECTRICAL STATE OF CALIFORNIA
SIGNED: 09/11/2014

ArcSine engineering
A full-spectrum engineering company
950 Executive Way | Redding, CA 96002 | (530)223-7204
1236 Disk Drive | Medford, OR 97501 | (541)842-4198
563 North Main | Ashland, OR 97520 | (541)482-7204
www.arc-sine.com

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12
Drawn By: RO
Checked By: EP

No.	Description	Date	By
1			
2			
3			
4			

BID SET 1 OCTOBER 2014

PLAN CHECK SET
JUNE 27, 2014

DETAILS

E5.0

FLOOR PLAN NOTES
(SEE PLAN ON SHEET FS2)

1. EXISTING BUILDING DEMISING WALL, SEE ARCH. DWGS
2. NEW INTERIOR WALL, SEE ARCH. DWGS
3. NEW EXTERIOR WALL, SEE ARCH. DWGS
4. VERIFY GENERAL CONTRACTOR TO PROVIDE SOUND BATT INSULATION IN KITCHEN WALLS. SEE ARCH. DWGS
5. WINDOW, SEE ARCH. DWGS
6. KITCHEN & STORAGE AREAS SHALL BE ACCESSIBLE TO PEOPLE WITH PHYSICAL DISABILITIES. SEE ARCH. DWGS
7. FOR RESTROOM DISABLED ACCESS CLEARANCE AND/OR HEIGHTS FOR TOILET FIXTURES AND ACCESSORIES, SEE ARCH. DWGS
8. FREE STANDING TABLES & CHAIRS TO ALLOW DISABLED ACCESS, 1 D/A PER 20 AMBULATORY 27"Hx30"Wx19"D CLEAR. SEE ARCH. DWGS
9. TOP OF TABLES & WORK COUNTERS SHALL BE 28"–34" AFF, FOOD TRAYS SHALL BE 34" AFF.
10. STORAGE RACKS & PERMANENT FLOOR–SUPPORTED CABINETS MORE THAN 8 FEET HIGH AND MOVABLE CASE, COUNTERS AND PARTITIONS 5 FEET 9 INCHES HIGH SHALL BE SEISMICALLY ANCHORED & BRACED AS PER CODE.

FIRE DEPARTMENT NOTES

1. GENERAL CONTRACTOR TO PROVIDE HAND FIRE EXTINGUISHER OF TYPE AND SIZE AS REQUIRED BY CODE AND LOCATE AS INDICATED ON DRAWING (FOR RESTAURANT USE). PROVIDE PROPER IDENTIFICATION SIGNS. INSTALL AT HEIGHT NOT TO EXCEED 5'0". EXACT NUMBER/LOCATION BY FIRE INSPECTOR. GC TO PROVIDE A K CLASS FIRE EXTINGUISHER WITHIN 30 FEET OF COOKING INVOLVING VEGETABLE OR ANIMAL OIL AND FATS (SUCH AS DEEP FAT FRYERS), AS MEASURED ALONG AN UNOBSTRUCTED PATH OF TRAVEL. ALL PORTIONS OF THE BUILDING SHALL BE WITHIN 75 FEET OF A FIRE EXTINGUISHER WITH A MINMUM SIZE 2–A:10–BC. #10 PROJECT HAS COOKING AND HOOD #6
2. EXIT DOORS (SEE ARCH DWGS) SHALL BE LEFT UNLOCKED DURING ALL BUSINESS HOURS AND SHALL BE OPENABLE FROM INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. KEY LOCKING HARDWARE IF EQUIPPED WITH A DOUBLE–KEYED INDICATING CYLINDER LOCK WHICH CLEARLY INDICATES WHETHER IT IS "LOCKED" OR "UNLOCKED". MANUALLY OPERATED EDGE–OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS SHALL NOT BE USED ON EXIT DOORS. PANIC HARDWARE TO BE PROVIDE AS PER LOCAL CODE REQUIREMENTS. GENERAL CONTRACTOR TO PROVIDE A SIGNAGE OVER EACH EXIT DOOR, E.G. "THIS DOOR SHALL REMAIN OPEN WHEN BUILDING IS OCCUPIED DURING BUSINESS HOURS" OR "EXIT DOOR ONLY". ONLY REQUIRED FOR ASSEMBLY BLDGS.
3. PROVIDE EXIT SIGN ILLUMINATION PER CODE, PROVIDE APPROVED EXIT SIGNS INSTALLED AT ALL REQUIRED EXITS AND WHERE OTHERWISE NECESSARY IN ORDER TO INDICATE THE DIRECTION OF EGRESS. NO POINT SHALL BE MORE THAN 100 FEET FROM THE NEAREST VISIBLE SIGN. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED IN ACCORDANCE WITH THE BUILDING CODE. (1011.1) CBC.
PROVIDE EMERGENCY EGRESS ILLUMINATION AT A MINIMUM OF 1 FOOT–CANDLE AT FLOOR LEVEL THROUGHOUT ILLUMINATION SHALL INCLUDE THE MAIN FLOOR AREAS INCLUDING ALL PATHS OF EGRESS TO EXITS (1006.3) CBC
TESTING OF THE EMERGENCY EGRESS ILLUMINATION SHALL REQUIRE DISCONNECTING THE PRIMARY POWER TO THE FIXTURE(S). THIS MAY BE ACCOMPLISHED BY THE EMERGENCY CIRCUIT BREAKER OR MAIN ELECTRICAL DISCONNECT. PLAN ACCORDINGLY.
SEE ARCH/ELEC DWGS.
4. GENERAL CONTRACTOR TO PROVIDE A OCCUPANCY SIGN WITH MAXIMUM PERSON AMOUNT AS DETERMINED BY FIRE/BUILDING DEPARTMENT AND MOUNT ON WALL IN A CONSPICUOUS LOCATION NEAR THE MAIN EXIT OR EXIT–ACRESS DOORWAY FROM THE ROOM (1004.4) CBC. SEE ARCH. DWGS
5. KITCHEN DESIGN DOES INCLUDE AN EXHAUST HOOD SYSTEM. THE EXHAUST DUCT INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF CBC/CMC, AND LOCAL ORDINANCES. GENERAL CONTRACTOR TO PROVIDE ROOF OPENINGS FOR DUCTWORK. FSC TO PROVIDE AN AUTOMATIC FIRE EXTINGUISHING SYSTEM IN THE GREASE HOOD AND DUCT. FSC TO SUBMIT SHOP DRAWINGS AND A PERMIT APPLICATION TO THE FIRE DEPARTMENT FOR APPROVAL. TYPE I #6, EXHAUST FAN #6.1 AND MUA FAN #6.2. HOOD FIRE SUPPRESSION SYSTEM #9; TYPE II #39, EXH FAN #40. KITCHEN SUPPRESSION SYSTEM #9 SHALL COMPLY WITH NFPA 17–A AND UL300.
6. APPROVED NUMBERS OR ADDRESSES SHALL BE PLACED BY GC ON ALL NEW AND EXISTING BUILDINGS IN SUCH A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. SAID NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. VERIFY REQUIREMENT SEE ARCH. DWGS.
7. VERIFY IF ASSEMBLY PERMIT IS REQUIRED. ARCHITECT OR GC TO CONTACT THE BUREAU OF FIRE PREVENTION FOR INFORMATION.
8. A FIRE SPRINKLER SYSTEM SHALL BE INSTALLED, ENGINEER/SPRINKLER CONT. SHALL PREPARE A REVISED SPRINKLER HEAD LAYOUT AS PER THE NEW FLOOR PLAN. ENGINEER/CONTRACTOR SHALL SUBMIT DRAWING FOR BUILDING DEPARTMENT APPROVAL AND TAKE OUT NECESSARY PERMITS, DESIGN/SIZE MAIN FOR NEW HEAD VOLUME. INSTALL DRY CORROSION RESISTANT HEADS INSIDE EACH OF THE WALK–IN BOXES #43/45. WHERE POSSIBLE, RUN PIPING ABOVE CEILING AND PROVIDE ALL NECESSARY HEADS, TRIM PIECES, PIPING, FITTINGS, VALVES, CONNECTIONS, TESTING FITTINGS, DRAINS, ETC. FOR A COMPLETE SYSTEM. DEFERRED APPROVAL ITEM. INSTALLATION TO MEET NFPA. DESIGN THE SPRINKLER SYSTEM AS NEEDED BY THE PROPOSED CEILING, STEPPED CEILINGS, LIGHT FIXTURES, ETC. SUBMIT SHOP DRAWINGS AND A PERMIT APPLICATION TO FIRE DEPARTMENT FOR APPROVAL BEFORE INSTALLING THE SYSTEM.

CONSTRUCTION NOTES
(FOR REFERENCE SEE ARCH DWGS)

1. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT JOB SITE. ALSO, REVIEW LEASE AGREEMENT WITH LANDLORD'S REQUIREMENTS OR CONDITIONS. IF ANY DISCREPANCIES ARE FOUND, CONTRACTOR SHALL NOTIFY THE ARCHITECT/PROJECT COORDINATOR.
2. ALL CONSTRUCTION WORK MUST CONFORM TO CURRENT LOCAL CODES AND AUTHORITIES FOR BUILDING AND HEALTH DEPARTMENTS.
3. GENERAL CONTRACTOR AGREES BY ACCEPTING CONTRACT AND STARTING WORK THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, EBRS ARCHITECT, DESIGNER, ENGINEER AND LANDLORD HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. CONTRACTOR SHALL SHOW PROOF OF WORKER'S COMPENSATION INSURANCE AS REQUIRED PRIOR TO ISSUING A PERMIT.
4. ADDITIONAL ON SITE FIRE PROTECTION DURING CONSTRUCTION TO BE PROVIDED AS REQUIRED BY FIRE INSPECTOR OR DEPARTMENT. MAINTAIN EXISTING FIRE SPRINKLER SYSTEM IF APPLICABLE TO PROJECT.
5. ALL MATERIALS STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE AND DETERIORATION UNTIL USE. FAILURE TO PROTECT MATERIALS MAY BE CAUSE FOR REJECTION OF WORK.
6. GENERAL CONTRACTOR AND SUB–CONTRACTORS SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING, RELOCATING AND/OR REMOVING EXISTING UTILITIES.
7. GENERAL CONTRACTOR TO PROVIDE LARGER STUD WALL AS REQUIRED FOR INSTALLATION OF PLUMBING, ELECTRICAL, STRUCTURAL ITEMS, ETC.
8. AFTER WORK HAS BEEN COMPLETED, TESTED AND APPROVED, WALLS SHALL BE COVERED WITH 5/8" GYPSUM BOARD, FIRED TAPED AND PREPARED FOR NEW FINISHES, SEE ARCHITECTURAL DRAWINGS. GENERAL CONTRACTOR SHALL COMPLETE WORK WHICH SHOULD FUNCTION AS A FINISHED INSTALLATION AND UNIT.
9. ALL WORKMANSHIP AND MATERIAL ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT/DESIGNER, OWNER AND LANDLORD.
10. GENERAL CONTRACTOR TO INSTALL (FIRE RETARDANT–TREATED IF REQ'D) 2X BLOCKING OR 1/2" PLYWOOD BACKING IN STUD WALLS FOR INSTALLATIONS OF EQUIPMENT, MILLWORK, ETC. AS REQUIRED. VERIFY ALL LOCATIONS WITH FOOD SERVICE CONTRACTOR AND MILLWORK CONTRACTOR. ALTHOUGH TYPICAL EQUIPMENT AND MILLWORK DETAILS WILL BE PROVIDED, IT WILL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO PROVIDE INTEGRAL, COMPLETE, FINAL INSTALLATION, WHICH MEETS LOCAL CODES, DESIGN CONCEPT. FOOD SERVICE CONTRACTOR TO PROVIDE BACKING PLAN.
11. PUBLIC AREAS, TOILET, AND PUBLIC CIRCULATION AREAS SHALL MEET HEIGHT REQUIREMENTS AS OUTLINED IN THE "STATE OF CALIFORNIA ARCHITECTURAL BARRIER LAWS" AND FEDERAL ADA. ALL REQUIRED TOILET ACCESSORIES, EQUIPMENT, FIXTURES SHALL MEET HEIGHT REQUIREMENTS. FLOOR PLAN WILL ALLOW DISABLED PERSON FULL ACCESS TO ALL FOOD SERVICE ACTIVITIES (KITCHEN, RESTROOMS, EXITS, DINING, ETC.). SEE ARCH DWGS.
12. NEW VENTILATION/HEATING DUCTS (MATERIALS, INSULATION, INSTALLATION) SHALL CONFORM TO SMACCNA MANUAL FOR LOW–PRESSURE DUCTS. SEE MECH DWGS
13. EACH TRADE SHALL BE RESPONSIBLE FOR WALL OR ROOF PENETRATIONS TO THE OUTSIDE OF ITS OWN EQUIPMENT, VENTS, CONDUIT, ETC.; INCLUDING CUTTING FLASHING, CAULKING FOR A WATER TIGHT INSTALLATION.
14. OWNER SHALL PAY PLAN CHECK FEES AT BUILDING AND HEALTH DEPARTMENTS. THE GENERAL CONTRACTOR AND SUBS SHALL SECURE ALL NECESSARY PERMITS, INSPECTIONS AND APPROVAL FROM BUILDING DEPARTMENT FOR EACH SPECIFIC WORK UNLESS OTHERWISE NOTED.

HEALTH NOTES

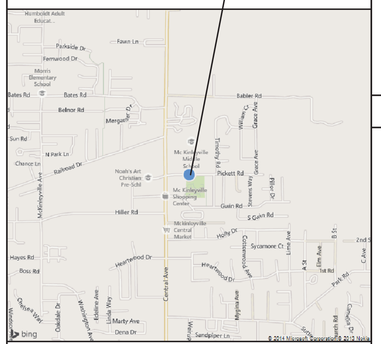
1. EQUIPMENT AND INSTALLATION SHALL MEET ALL REQUIREMENTS AS LISTED IN CALIFORNIA RETAIL FOOD CODE (CALCODE) WHICH WILL BE IN EFFECT JULY 20 2007, FOR CALIFORNIA PROJECTS IN ADDITION TO LOCAL AND COUNTY CODES. INCLUDING AMENDED, SENATE BILL NO. 744
2. ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE NATIONAL SANITATION FOUNDATION (NSF) APPROVED AND IN CONFORMITY WITH LOCAL HEALTH REGULATIONS. INSTALLATION OF EQUIPMENT SHALL MEET SAME REQUIREMENTS.
3. ALL ADJOINING EQUIPMENT AND COUNTERS SHALL BE SEALED TOGETHER TO PREVENT THE ENTRANCE OF MOISTURE. ALL EQUIPMENT, INCLUDING SHELVING, SHALL BE SMOOTHLY SEALED TO THE WALL TO PREVENT THE ENTRANCE OF SPLASH AND DEBRIS. ALL PORTABLE OR FREE STANDING UNITS SHALL BE REMOVABLE AND EASILY ACCESSIBLE FOR CLEANING. ALL CRACKS AND CREVICES AT JOINTS TO BE SEALED. #21
4. ALL WORKING SURFACES SHALL BE SMOOTH AND IMPERVIOUS.
5. ADEQUATE SNEEZE GUARD PROTECTION MUST BE PROVIDED WHERE UNWRAPPED FOOD IS DISPLAYED OR CUSTOMER'S SELF–SERVICE OF FOODS IS PROPOSED. SNEEZE GUARD MUST BE CONSTRUCTED OF APPROVED DESIGN. A PORTABLE SNEEZE GUARD MAY BE USED IF SIZE AND POSITIONING IS APPROVED BY HEALTH DEPARTMENT DURING CONSTRUCTION INSPECTION. FOR REFERENCE–NOT IN PROJECT.
6. ALL CUTTING BOARDS SHALL BE NSF APPROVED.
7. ALL REFRIGERATION EQUIPMENT AND EQUIPMENT FOR HOT STORAGE SHALL HAVE THERMOMETERS WHICH ARE EASILY READABLE, ARE IN PROPER WORKING CONDITION AND ARE ACCURATE WITHIN A RANGE OF PLUS OR MINUS TWO DEGREES. ##11, 12, 43, 45
8. STORAGE SHELVING MUST BE SPECIFIED AS HAVING A SMOOTH, NON–ABSORBENT FINISH. THE LOWEST SHELF SHOULD BE 6" ABOVE THE FLOOR. #44, 46, 47
9. EXHAUST HOOD MUST MEET ALL MECHANICAL CODE REQUIREMENTS. CANOPY HOOD SHALL EXTEND 6" BEYOND ALL SIDES OF COOKING EQUIPMENT AS MEASURED FROM THE INSIDE EDGE OF THE GREASE TROUGH. ADEQUATE MECHANICAL MAKE–UP AIR IS PROVIDED AT FACE OF HOOD IN ORDER TO PRODUCE A BALANCED SYSTEM (MAKE–UP AIR SHALL EQUAL EXHAUSTED AIR). INTERWIRE EXHAUST/SUPPLY FANS, TYPE I HOOD #6, WITH EXHAUST FAN #6.1 AND MUA FAN #6.2; TYPE II HOODS #39 WITH EXHAUST FAN #40.
10. TOILET AND DRESSING ROOMS SHALL BE MECHANICALLY VENTILATED BY EXHAUST FAN(S) TO THE OUTSIDE PREMISES. THE EXHAUST FAN WITHIN EACH TOILET ROOM SHALL BE ACTIVATED BY A SWITCH, TO THE LIGHT FIXTURE LOCATED THEREIN AND CAPABLE OF 12 AIR CHANGES PER HOUR.
SEE ARCH/MECH DWGS.
11. ALL AREAS MUST HAVE SUFFICIENT VENTILATION TO FACILITATE PROPER FOOD STORAGE AND TO PROVIDE A REASONABLE CONDITION OF COMFORT FOR ANY EMPLOYEE, CONSISTENT WITH THE JOB PERFORMED BY THE EMPLOYEE. SEE MECH. DWGS.
12. A LOW TEMPERATURE WATER (140 DEGREES F) WITH CHEMICAL SANITIZING RINSE DISHWASHING MACHINE #38 IS INSTALLED ALONG WITH A TYPE II VAPOR HOOD #39 WITH MECHANICAL EXHAUST VENTILATION #40.
13. ATMOSPHERIC VACUUM BREAKERS, APPROVED BACKFLOW PRESSURE PREVENTION DEVICES, ARE REQUIRED AT WATER SUPPLY LINES TO SINKS WITH THREADED SPIGOTS, DISHWASHER, GARBAGE DISPOSAL FLUSH LINES, STEAM EQUIPMENT, URINALS, BEVERAGE DISPENSERS, ICE MACHINES, LANDSCAPE IRRIGATION SYSTEM AND OTHER FIXTURES.
14. AT LEAST ONE SINK OR ONE SINK COMPARTMENT SHALL BE AVAILABLE FOR FOOD PREPARATION. FOOD PREPARATION SINKS SHALL HAVE AN INDIRECT SEWER CONNECTION, I.E.: FIXED IN–LINE AIRGAP OR DRAIN TO FLOOR SINK THROUGH APPROVED AIRGAP. #25/26/27
15. A SEPARATE WALL–MOUNTED HAND WASH BASIN IS REQUIRED WITHIN 20 FEET OR ADJACENT TO THE FOOD PREPARATION, DISHWASHING, COOKING AND RESTROOMS (SEE ARCH DWGS). PROVIDE PERMANENTLY MOUNTED SINGLE SERVICE SOAP AND PAPER TOWEL DISPENSERS. ##13/14/15
16. ALL SINKS TO BE PROVIDED WITH ADEQUATE HOT AND COLD WATER FROM MIXING FAUCETS INCLUDING RESTROOM SINKS. #13, 25/26/27, 33/34/36, 41/42, 51/52
17. ALL PIPING TO BE INSTALLED WITHIN WALLS OR CABINET. IF CONDUITS, PLUMBING, ETC. ARE EXPOSED THEY MUST BE INSTALLED AT LEAST 6 INCHES OFF THE FLOOR AND 1 INCH AWAY FROM WALLS. ALL EXPOSED FLEX CONDUIT IS TO BE SEALTIGHT OR EQUIVALENT.
18. THE JUNCTURE AT THE FLOOR AND WALL MUST HAVE A COVED BASE WITH AT LEAST A 3/8 INCH RADIUS AND EXTENDING AT LEAST 6 INCHES UP THE WALL. STATIONARY FIXTURES OR BUILT–IN EQUIPMENT CAN BE SEALED ON A 4 INCH HIGH 3/8 INCH RADIUS CONCRETE CURB OR COVED–IN POSITION ON THE FLOOR. IF TOP SET COVING IS USED, IT MUST BE ADEQUATELY SEALED AT THE FLOOR WITH SILICONE SEALANT OR EQUIVALENT TO FORM WATERPROOF SEAL.
SEE ARCH. DWGS.
19. SPARE NO
20. FIFTY FOOT CANDLES OF LIGHT SHALL BE PROVIDED FOR ALL FOOD PREPARATION AREAS. MINIMUM OF TWENTY FOOT CANDLES OF LIGHT FOR CONSUMER SELF SERVICE OR WHERE FOODS ARE SOLD OR OFFERED FOR CONSUMPTION, INSIDE EQUIPMENT, 30" ABOVE FLOOR IN HANDING, WAREWASHING, RESTROOMS. TEN FOOT CANDLES AT A DISTANCE OF 30" ABOVE FLOOR IN WALK–IN BOX #43/45, BARS AND DRY STORAGE. ADEQUATE LIGHTING SHALL BE USED OVER BAR SINKS AND AVAILABLE FOR CLEANUP OF GENERAL PREMISES. SEE ARCH/ENG. DWGS.
21. LIGHT FIXTURES IN AREAS WHERE FOOD IS PREPARED OR WHERE OPEN FOOD IS STORED OR WHERE UTENSILS ARE CLEANED MUST HAVE SHATTERPROOF SHIELDS AND SHALL BE READILY CLEANABLE. SEE ARCH. DWGS.
22. PROVIDE AUTOMATIC DOOR CLOSURES ON ALL ENTRY, DELIVERY, RESTROOM AND CHANGE ROOM DOORS. GAPS UNDER EXTERIOR DOORS MAY NOT EXCEED MORE THAN 1/4". ANY EXTERIOR OPENABLE WINDOWS WILL BE SCREENED WITH NOT LESS THAN 16 MESH SCREENING. SEE ARCH. DWGS.
23. APPROVED AIR CURTAINS MAY BE REQUIRED OVER ALL EXTERIOR DELIVERY DOORS THAT OPEN DIRECTLY INTO FOOD PREPARATION, DISHWASHING AND/OR COOKING AREAS. THE AIR DEVICE SHALL BE SO INSTALLED THAT IT WILL AUTOMATICALLY OPERATE WHENEVER THE DOOR OPENS. #31
24. BUILDING SHALL BE INSECT AND RODENT PROOF. EXTERIOR DOORS MUST BE SELF–CLOSING AND MUST COME WITHIN 1/4" OF FLOOR. ALL VENTS AND OTHER OPENINGS TO OUTSIDE NEED TO BE SEALED OR SCREENED, SIX (6)TEEN (16) MESH SCREENING IS REQUIRED ON ANY OPENABLE WINDOWS.
25. REFUSE CONTAINERS SHALL BE MOISTURE AND VERMIN PROOF WITH TIGHT FITTING LIDS. #29

HEALTH NOTES (CONTINUED)

26. ANY TRASH AND GARBAGE STORAGE AREA RECEIVING FOOD WASTE OR FOOD CONTAINERS, MUST HAVE A WATER BIB TO FACILITATE CLEANING. FLOOR, WALLS, AND CEILING MUST BE SMOOTH AND CLEANABLE; RECOMMEND HOT AND COLD WATER MIXING FAUCET BE AVAILABLE FOR CLEANING. WASTE WATER FROM SUCH CLEANING OPERATIONS MUST BE DISPOSED OF AS KITCHEN WASTE THROUGH A FLOOR DRAIN (NOT A STORM DRAIN) IN THE TRASH ENCLOSURE WITH ROOF OR OVERHANG. VERIFY IF WASTE REQUIRES A CONNECTION TO GREASE TRAP OR INTERCEPTOR. SEE SITE PLAN–ARCHITECTURAL DRAWING(S).
27. PROVIDE A MOP AND BROOM RACK AND CLEANING SOLUTION STORAGE SHELVING AWAY FROM FOOD PREPARATION AND STORAGE AREAS. #51/52/53 SEE ARCH. DWGS.
28. AN EMPLOYEE GARMENT STORAGE AREA, SEPARATE FROM RESTROOM IS REQUIRED, CABINETS OR LOCKERS MUST BE INSTALLED IN THIS AREA OR EQ. #58
29. EQUIPMENT SHALL MEET OR BE EQUIVALENT TO APPLICABLE NATIONAL SANITATION FOUNDATION (NSF) STANDARDS, OR IN THE ABSENCE OF APPLICABLE NSF STANDARDS, BE APPROVED BY THE ENFORCEMENT OFFICER. SUBMIT DOCUMENTATION OR WRITTEN VERIFICATION THAT ONLY APPROVED COMMERCIAL EQUIPMENT WILL BE USED (SUCH AS EQUIPMENT BROCHURES, MAKE AND MODEL, ETC.). MEET U.L. APPROVAL.
30. EQUIPMENT OR UTENSILS USED IN THE PREPARATION, SALE, SERVICE AND DISPLAY OF FOOD SHALL BE MADE OF NON–TOXIC, NON–CORROSIVE MATERIALS AND SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED TO BE EASILY CLEANED.
31. WALLS AND CEILINGS OF ALL ROOMS, EXCEPT BARS, WHERE FOOD IS STORED IN UNOPENED CONTAINERS, AND DINING AREAS SHALL BE DURABLE, SMOOTH, NON–ABSORBENT AND WASHABLE. WALLS AND CEILING OF FOOD PREPARATION AND UTENSIL WASHING AREAS AND INTERIOR SURFACES OF WALK–IN REFRIGERATION UNITS SHALL ALSO BE LIGHT COLORED WITH 70% LIGHT REFLECTANCE VALUE. SEE ARCH. DWGS.
32. EACH METAL SINK COMPARTMENT MUST BE LARGE ENOUGH TO HOLD THE LARGEST UTENSILS WASHED IN THE SINK. EVERY UTENSIL SINK MUST HAVE TWO (2) METAL DRAINBOARDS. EACH METAL SINK DRAINBOARD MUST BE INTEGRAL WITH THE SINK AND SHOULD BE AT LEAST AS LONG AS ONE SINK COMPARTMENT. #33/34/36
33. OWNER TO PROVIDE THREE SIGNS: "NO SMOKING" IN KITCHEN; "WASH HANDS" AT HAND LAVATORY; "CHOKE CHART".
34. SLIP RESISTANT FLOORING THAT ARE ABRASIVE OR HAVE A RAISED TREAD PATTERN MUST BE RESTRICTED TO TRAFFIC AREAS ONLY AND MUST BE PROPERLY SLOPED TO FLOOR DRAINS. FLOORING UNDER EQUIPMENT AND AT THE BASE COVES MUST BE SMOOTH (FOR NEW FLOORS). SEE ARCH. DWGS.
35. IF FLOOR TILE GROUT IS USED, AN ACCEPTABLE GROUT, ADDITIVE MIXED WITH THE GROUT TO MAKE IT GREASE, OIL AND WATER RESISTANT SHALL BE USED (FOR NEW FLOOR AND REPAIR WORK). SEE ARCH. DWGS.
36. FLOOR MOUNTED EQUIPMENT MUST BE SUPPORTED BY SIX (6) INCHES MINIMUM APPROVED COMMERCIAL CASTERS, OR BE COMPLETELY SEALED IN POSITION ON A FOUR (4) INCHES MINIMUM HIGH CONTINOUSLY AND INTEGRAL COVED BASE OR COVED CONCRETE CURB TO FACILITATE EASE OF CLEANING.
37. WATER HEATER SHALL BE ON A FOUR (4) INCHES MINIMUM HIGH COVED CURB BASE, OR ON AT LEAST SIX (6) INCHES HIGH, SMOOTH, EASILY CLEANABLE APPROVED LEGS. #61
38. WALK–IN REFRIGERATION OR FREEZER UNITS #43/45 MUST BE COMPLETELY FLASHED TO THE BUILDING'S WALLS AND CEILING. THE AREAS ABOVE WALK–INS MAY NOT BE USED FOR STORAGE. ANY OPENINGS FOR VENTILATION IN THE FLASHING ABOVE WALK–INS UNITS MUST BE SCREENED WITH AT LEAST 16 MESH SCREEN (ANY SCREENS OVER VENTILATION OPENINGS MUST BE KEPT CLEAN).
39. APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE. SUPPORTS FOR APPLIANCES SHALL BE DESIGNED AND CONSTRUCTED TO SUSTAIN VERTICAL AND HORIZONTAL LOADS WITHIN THE STRESS LIMITATIONS SPECIFIED IN THE CBC. SEE ARCH/STRUCTURAL DWGS.

VICINITY MAP

PROJECT LOCATION
1608 PICKETT RAOD
MCKINLEYVILLE, CA 95519



GENERAL NOTES
(FOR FOOD SERVICE EQUIPMENT)

BIDDING

1. ALL ITEMS AND INSTALLATIONS BY FOOD SERVICE CONTRACTOR, MILLWORK ARE UNDER A SEPARATE CONTRACT AND NOT PART OF GENERAL CONTRUCTION BID, VERIFY WITH ARCHITECTURAL BIDDING PROCEDURES. GENERAL CONTRACTOR AND SUBS ARE RESPONSIBLE FOR RELATED WORK AS OUTLINED IN THE DRAWINGS; E.G. FOOD SERVICE CONTRACTOR SHALL SET EQUIPMENT IN PLACE WHILE PLUMBER AND ELECTRICIAN SHALL MAKE UTILITY CONNECTION.

SUBSTITUTIONS

1. WHEN A SPECIFIC REFERENCE TO AN ARTICLE, MANUFACTURER, PROPERTY, NAME, DEVICE, PRODUCT, MATERIAL OR FIXTURE IS MADE IN GENERAL CONSTRUCTION DOCUMENTS, IT IS TO ESTABLISH A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION. IF THE CONTRACTOR, SUB–CONTRACTOR, SUPPLIER, MANUFACTURER'S REPRESENATIVE, ETC. INVOLVED WITH THE PROJECT DESIRES TO BID MATERIALS OTHER THAN THE SPECIFIED ITEMS, REQUEST FOR APPROVAL OF LIKE ITEMS SHALL BE MADE IN WRITING PROJECT COORDINATOR/OWNER NOT LATER THAN 5 CALENDER DAYS PRIOR TO SPECIFIED TIME FOR GENERAL CONSTRUCTION BID OPENING. MATERIALS ACCEPTABLE FOR SUBSTITUTION WILL BE APPROVED.
2. SUBMITTAL FOR APPROVAL OF MATERIALS OR PRODUCTS SHALL CONTAIN SUFFICIENT INFORMATION, DESCRIPTION BROCHURES, DRAWINGS, SAMPLES OR OTHER DATA AS NECESSARY OR REQUIRED TO DETERMINE WHETHER THE PROPOSED SUBSTITUTION IS EQUAL TO THE ITEM SPECIFIED. EACH SUBMITTAL SHALL BE WELL MARKED AND INDENTIFIED AS TO TYPE AND KIND OF ITEMS BEING MADE. EACH SUBMITTAL FOR APPROVAL OF LIKE ITEMS, MATERIALS OR PRODUCTS WILL BE COMPLETE WITH SUBSTANTIATING DATA. REFERENCE TO CATALOGS THAT DESIGN CONSTRUCTION COORDINATOR MAY OR MAY NOT HAVE, WILL NOT BE ACCEPTABLE.

CHANGE ORDERS

1. THE GENERAL CONTRACTOR SHALL NOT MAKE AN ADDITION, DELETION, OR REVISION TO THE CONTRACT DOCUMENTS WHICH WOULD AFFECT THE CONTRACT SUM OR CONTRACT TIME WITHOUT A WRITTEN CHANGE ORDER AUTHORIZED AND SIGNED BY THE OWNER.

HAZARDOUS MATERIALS NOTES

1. EBRS SHALL NOT BE HELD RESPONSIBLE FOR DETERMINING THE EXISTENCE OR REMOVAL OF HAZARDOUS OR ASBESTOS MATERIALS. THE OWNER SHALL BE RESPONSIBLE FOR THE COST OF REMOVING AND DISPOSING OF ANY HAZARDOUS OR ASBESTOS MATERIALS OF THE SITE OR CONTAINED WITHIN THE BUILDING. REMOVAL METHOD SHALL BE AS OUTLINED WITHIN THE STATE/LOCAL CODES, PERFORMED BY A STATE LICENSED CONTRACTOR AND DISPOSED OF AT AN ACCEPTABLE/LICENSED DUMP SITE. NON–REMOVAL OF MATERIAL AND RESULTING FINES OF CONSTRUCTION STOPPAGE SHALL BE THE OWNERS RESPONSIBILITY.
2. IF NECESSARY, THE WORK SHALL BE COORDINATED WITH COUNTY ENVIRONMENTAL HEALTH AND LOCAL QUALITY CONTROL MANAGEMENT DISTRICT.

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	FS	FLOOR SINK
MC	MILLWORK CONTRACTOR	FSC	FOOD SERVICE CONTRACTOR
ELEC	ELECTRICAL CONTRACTOR	GC	GENERAL CONTRACTOR
EBRS	EAST BAY RESTAURANT SUPPLY INC.	HD	HUB DRAIN
EX	EXISTING	MECH	MECHANICAL CONTRACTOR
FD	FLOOR DRAIN	MFR	MANUFACTURER
FFD	FUNNEL FLOOR DRAIN	NA	NOT APPLICABLE
FOB	FACE OF BLOCK	NTS	NOT TO SCALE
FOC	FACE OF CONCRETE	PLUMB	PLUMBER
FOE	FACE OF EQUIPMENT BASE	RO	ROUGH OPENING
FOM	FACE OF MASONRY	SIP	SET IN PLACE
FOS	FACE OF STUD	TBS	TO BE SELECTED
FOW	FACE OF WALL	VFY	VERIFY

CONSULTANTS

FOOD SERVICE:
EASTBAY RESTAURANT SUPPLY
49 4th STREET
OAKLAND, CA 94607
TEL: (510) 627–0206, (916) 440–0625
FAX: (510) 544–0393, (916) 440–1524
CONTACT: JOE RUK, KEVIN MANLEY
E–MAIL ADDRESS: joer@ebrs.net, kevinm@ebrs.net

ARCHITECT:
LDA PARTNERS
4 SOUTH CENTRAL COURT
STOCKTON, CA 95204
TEL: (209) 943–0405
FAX: (209) 943–0415
CONTACT: CAROLYN NATIVIDAD
EMAIL: cnatividad@ldapartners.com

PROJECT DATA

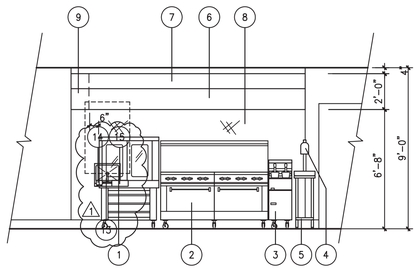
1. **PROJECT NAME:** MCKINLEYVILLE TEEN CENTER
2. **PROJECT ADDRESS:** 1608 PICKETT ROAD MCKINLEYVILLE, CA 95519
3. **ZONING:** SEE ARCH DWGS
4. **USE:** FOOD SERVICE
5. **BUILDING TYPE:** TYPE VB, SINGLE STORY, SPRINKLERED
6. **CODES:** 2013 CBC, CPC, CMC, CEC, CFC WITH CALIF. ENERGY CODE 2010(TITLE 24) THIS PROJECT TO COMPLY WITH ACCESSIBILITY REQUIREMENTS OF 2010 CALIFORNIA BUILDING CODE TITLE 24 SECTION 1134B. COMPLIANCE WITH THE 2010 AMERICANS WITH DISABILITIES ACT (ADA) IS THE RESPONSIBILITY OF THE OWNER, DEVELOPER, CONTRACTOR, DESIGNER AND ARCHITECT.
7. **SQUARE FOOTAGE KITCHEN PORTION** SEE ARCH DWGS FOR FULL BREAKDOWN
   KITCHEN/STORAGE: XXX SQ FT
   PROJECT TOTAL: XXXX SQ FT
8. **OCCUPANCY: B KITCHEN PORTION** SEE ARCH DWGS FOR FULL BREAKDOWN
   KITCHEN/STORAGE: XXX SQ FT @XXX =
   PROJECT TOTAL: XXXX SQ FT =

PROJECT SCOPE

SCOPE OF EBRS DRAWINGS TO SHOW FOOD SERVICE EQUIPMENT LAYOUT AND MECHANICAL POINTS OF CONNECTIONS IN KITCHEN AREA WITHIN NEW BUILDING ADDITION TO EXISTING ACTIVITY CENTER. PROJECT HAS FOOD STORAGE, REFRIGERATION/FREEZER BOXES, PREPARATION, COOKING WITH HOOD SYSTEM, WAREWASHING. SEE ARCHITECTURAL DRAWINGS FOR ROOM/MAT

NOTE:

1. THE LISTED DIMENSIONS FOR CUSTOM FABRICATED WALK–IN BOXES, S/S EQUIPMENT, CABINETS, ETC. ARE NOMINAL. EACH FABRICATOR IS TO FIELD VERIFY EQUIPMENT ITEM SIZE AND TO PROVIDE SHOP DRAWING(S) BASED ON FIELD DIMENSIONS FOR APPROVAL PRIOR TO FABRICATION OR DELIVERY.
2. EACH SUPPLIER AND/OR FABRICATOR SHALL VERIFY WITH GC THE DELIVERY AND ACCESS OF HIS SPECIFIC EQUIPMENT INTO THE SPACE. IF NECESSARY MAKE ARRANGEMENTS WITH GC, LANDLORD AND/OR OWNER FOR ACCESS E.G. REMOVAL OF DOOR(S), WINDOW(S) AND/OR WALL(S).
3. ALL FAUCETS LEAD–FREE.
4. ALL DIMENSIONS SHOWN ON PLANS ARE FROM FINISHED WALLS, FLOORS CEILINGS OR CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED. THESE DIMENSIONS SHALL BE VERIFIED BY ALL TRADES AND SUB CONTRACTORS.
5. THE OWNER, VENDOR AND/OR FOOD SERVICE EQUIPMENT SUPPLIER SHALL NOTIFY THE GENERAL CONTRACTOR AND HIS SUBS OF ANY EQUIPMENT CHANGES FROM ITEMS LISTED ON DRAWINGS AND SPECIFICATIONS. SPECIFICALLY CHANGES TO ULITIY CONNECTIONS, LOADS, ETC E.G. VOLTAGES, ETC.

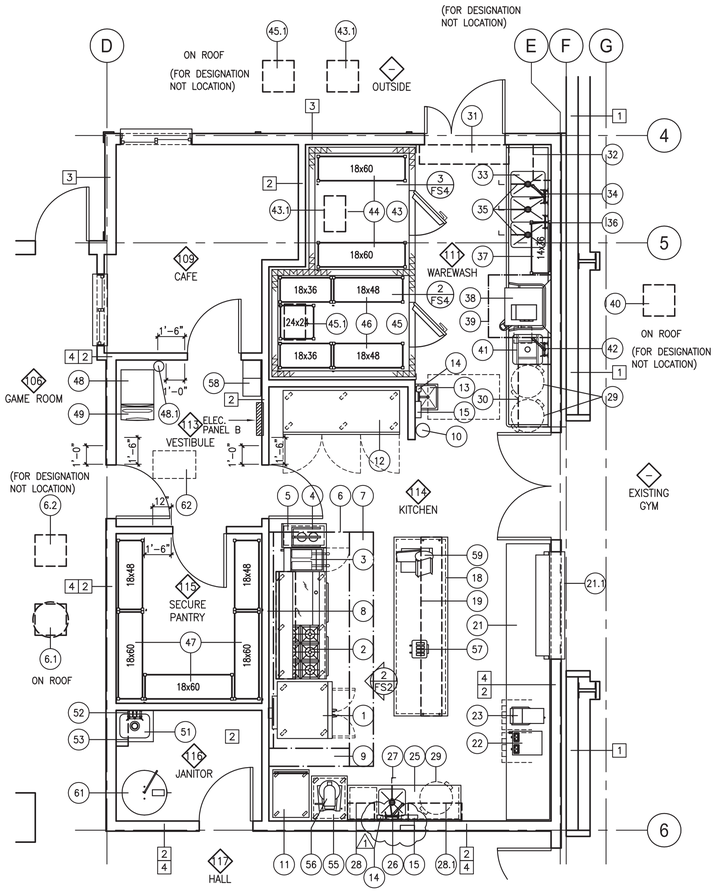


2 FS2 ELEVATION AT HOOD #6

1/4" = 1'–0"

EQUIPMENT SCHEDULE

ITEM NO.	SUPP. BY	SET IN PLACE BY	QTY.	DESCRIPTION	MANUFACTURER	MODEL NO.
1	FSC	FSC	1	SINGLE DECK CONVECTION OVEN, ON CASTERS, QUICK DISCONN/ HOSE/ SEISMIC RESTRAINT, GAS	AMERICAN RANGE DORMONT OR EQ	MSD–1/A53202 1675KIT36
2	FSC	FSC	1	6' HEAVY DUTY RANGE, 6 O.B., 36" GRIDDLE, TWO STANDARD OVENS, W/HIGH SHELF, ON CASTERS, W/ QUICK DISCONN/ HOSE/ SEISMIC RESTRAINT, REAR GAS	AMERICAN RANGE DORMONT OR EQ	AR–36G–6B/A53202 1675KIT36
3	FSC	FSC	1	FLOOR FRYER 35 LBS CAPACITY, ON CASTERS, QUICK DISCONN/ HOSE/ SEISMIC RESTRAINT, GAS	PITCO DORMONT OR EQ	VF–35S/B8003102 1675KIT36
4	FSC	FSC	1	HEAT LAMP, SET ON #5	NEMCO	6000A–2
5	FSC	FSC	1	S/S 14" X 2'–6" LANDING TABLE, W/ 4" SPLASH, W/ S/S FULL UNDER SHELF	S/S MANUF'R ADVANCE OR EQ	KMS–301.2
6	FSC	FSC	1	S/S CANOPY TYPE I 4'–6" X 12'–0" HOOD, WITH LITES/ FILTERS, EXHAUST/ MUA, NSF, W/ S/S CEILING CLOSURE PANELS	ACCUREX	XBEW–144–S
6.1	MECH	MECH	LOT	EXHAUST FAN AND DUCTWORK TO HOOD #6, SEE MECH. DWGS	MECH SPEC EF–3 GREENHECK	VK–H–12–11
6.2	MECH	MECH	LOT	SUPPLY AIR FAN AND DUCTWORK TO HOOD #6, MUA FRONT PLENUM REGISTER #7, SEE MECH. DWGS	MECH SPEC MUA–1 GREENHECK	IGX–110–H12
7	FSC	FSC	1	S/S MAKE UP AIR PLENUM, PART OF #6	ACCUREX	XBEW–144–S
8	FSC	FSC	1	S/S WALL LINING 6'–2" X 13'–0" UNDER HOOD #6, 9, TOPSET ON FLOOR BASE AND SILICONE JOINT, NSF	ACCUREX OR EQ	CUST FAB
9	FSC	FSC	1	FIRE SUPPRESSION SYSTEM FOR HOOD #6, MECH SOV. WET CHEMICAL, MEET UL 300 LISTING, IN CABINET AT LEFT END OF #6	ACCUREX ANSUL	R102
10	FSC	FSC	1	WALL MTD TYPE K GREASE FIRE EXTINGUISHER	ACCUREX	SPEC.
11	FUTURE	FUTURE	1	MOBILE HEATED CABINET, ON CASTERS	CRESCOR	131–UA–11D
12	OWNER	FSC	1	UPRIGHT 3 DR REFRIGERATOR, S/C., ON CASTERS	TRUE	TS–72
13	FSC	PLUMB	1	S/S WALL MTD HAND SINK W/ LEVER HANDLE FAUCET, W/ SPLASH GUARDS ON BOTH SIDES	ADVANCE	7–PS–60
14	FSC	FSC	2	SURFACE MTD SOAP DISPENSER	CONTINENTAL	V444SS
15	FSC	FSC	2	SURFACE MTD PAPER TOWEL DISPENSER	SAN JAMAR	T1900XC
16	–	–	–	SPARE NO	–	–
17	–	–	–	SPARE NO	–	–
18	FSC	FSC	1	S/S 2'–6" X 10'–0" CHEF CABINET, W/ S/S FULL BASE SHELF/ ADJ. INTER MEDIATE SHELF, ON 6" LEGS, NO SPLASH, NSF	S/S MANUF'R ADVANCE OR EQ	EB–SS–3010
19	FSC	FSC	1	S/S POST MTD 14" X 10'–0" SINGLE SHELF, POST MTD AT #18	S/S MANUF'R ADVANCE OR EQ	OTS–14–120
20				SPARE NO		
21	FSC	FSC	1	S/S 2'–6" X 15'–6" X 34" HI CABINET W/ 4" REAR/RIGHT SPLASH, W/ ADJ. TWO SHELF, GLASS RACK SLIDES, ON 6" LEGS, NSF	S/S MANUF'R ADVANCE OR EQ	EK–SS–3016
21.1	FSC	FSC	1	S/S 1'–0" X 6'–0" PASS THRU SHELF	S/S MANUF'R	CUST FAB
22	FSC	FSC	1	COFFEE BREWER, SET ON #21	GRINDMASTER	B–DAP
23	FSC	FSC	1	TEA BREWER, SET ON #21	GRINDMASTER	TB3
24	–	–	–	SPARE NO	–	–
25	FSC	FSC	1	S/S 2'–0" X 6'–4" WORK TABLE, W/ 18"X18"X12" SINK, W/ 4" SPLASH, W/ PARTIAL S/S 18" UNDER SHELF	S/S MANUF'R ADVANCE OR EQ	KMS–246/TA–11N
26	FSC	PLUMB	1	SPLASH MTD PRE–RINSE FAUCET, W/ ADD ON FAUCET, 10" SPOUT	T & S BRASS	B–0113–BC B–0155–05LN/5SP–10
27	FSC	PLUMB	1	DRAIN, LEVER WASTE, SET ON #25	T & S BRASS	3950
28	FSC	FSC	1	S/S WALL MTD 1'–0" X 1'–6" SINGLE SHELF, SET ABOVE #25	S/S MANUF'R ADVANCE OR EQ	WS–12–1.6
28.1	FSC	FSC	1	S/S WALL MTD 1'–0" X 3'–0" SINGLE SHELF, SET ABOVE #25	S/S MANUF'R ADVANCE OR EQ	WS–12–36
29	FSC	FSC	3	MOBILE 32 GALLON TRASH RECEPTACLE	RUBBERMAID	FG263256GRAY
30	FSC	FSC	1	S/S WALL MTD 1'–10" X 3'–6" SLANTED RACK SHELF, SET ABOVE #41	S/S MANUF'R ADVANCE OR EQ	DT–6R–12
31	FSC	FSC	1	NON HEATED AIR CURTAIN FAN	MARS AIR	STD260–1UA–OB
32	FSC	FSC	1	S/S WALL MTD 1'–0" X 2'–0" SINGLE SHELF, SET ABOVE #33	S/S MANUF'R ADVANCE OR EQ	WS–12–24
33	FSC	FSC	1	S/S 2'–4 1/2" X 8'–0" CLEAN DISHTABLE W/ 3–17"X23"X12" COMP. WASH SINK, W/ 8" SPLASH, NSF	S/S MANUF'R ADVANCE OR EQ	DTC–S70–96L
34	FSC	PLUMB	1	SPLASH MTD PRE–RINSE FAUCET, W/ ADD–ON, 10" SPOUT	T & S BRASS	B–0133–BC B–0155–05LN/5SP–10
35	FSC	PLUMB	3	DRAIN, LEVER WASTE, SET ON #33	T & S BRASS	3950
36	FSC	PLUMB	1	SPLASH MTD LEVER HANDLE FAUCET, SET AT #33	T & S BRASS	B–0230–LN 5SP–10
37	FSC	FSC	1	S/S WALL MTD 1'–2" X 3'–0" SINGLE WIRE SHELF, SET ABOVE #33, FOR AIR DRYING UTENSILS	FOCUS	FWS1436G
38	FSC	FSC	1	UPRIGHT SINGLE RACK LOW TEMP. DISHWASHER, RIGHT TO LEFT OPERATION	JACKSON	CONSERVER XL
39	FSC	FSC	1	S/S TYPE II 3'–6" X 3'–6" HOOD FOR #38, NSF, W/ S/S CEILING CLOSURE PANELS	ACCUREX	XD1
40	MECH	MECH	LOT	EXHAUST FAN AND DUCTWORK TO HOOD #39	MECH SPEC EF–4 GREENHECK	CUE–085–VG
41	FSC	FSC	1	S/S 2'–4 1/2" X 5'–8" SOILED DISHTABLE, 8" SPLASH, W/ S/S 20"X20"X6" PRE–RINSE SINK, NSF	S/S MANUF'R ADVANCE OR EQ	DTS–S70–68R
42	FSC	PLUMB	1	SPLASH MTD PRE–RINSE FAUCET, SET AT #41	T & S BRASS	B–0133–BC
43	FSC	FSC	1	COMB. WALK–IN BOX OVERALL 12'–10" X 8'–1" X 8'–6 1/4" HI. COOLER SECTION 6'–10" X 5'–11", WITH NO FLOOR (BY GC), 34" DOOR EMB. ALUM. FINISH, SEE #43.1 FOR REMOTE REFRIG.	KOLPAK	CUST FAB
43.1	FSC	FSC	1	REMOTE REFRIG. SYSTEM FOR #45, BLOWER COIL IN BOX AND COMPRESSOR ON ROOF, 3/4 HP SIZE	KOLPAK	PC49MOP–2
44	FSC	FSC	3	WIRE SHELVING, 4 TIERS HIGH, 74" POSTS, EPOXY FINISH, SEE PLAN FOR SIZES, SET IN #43	METRO	METROSEAL
45	FSC	FSC	1	COMB. WALK–IN BOX FREEZER SECTION 6'–0" X 8'–0" X 8'–6 1/4" HI. W/ RECESSED FLR/BASE, 34" DOOR, EMB. ALUM. FINISH, SEE #45.1 FOR REMOTE REFRIG.	KOLPAK	CUST FAB
45.1	FSC	FSC	1	REMOTE REFRIG. SYSTEM FOR #45, BLOWER COIL IN BOX AND COMPRESSOR ON ROOF, 2 HP SIZE	KOLPAK	PC100LOP
46	FSC	FSC	5	WIRE SHELVING, 4 TIERS HIGH, 74" POSTS, EPOXY FINISH, SEE PLAN FOR SIZES, SET IN #45	METRO	METROSEAL
47	FSC	FSC	5	WIRE SHELVING, 5 TIERS HIGH, 86" POSTS, BRIGHT FINISH, SEE PLAN FOR SIZES, 115' OF 18" WIDE SHELVING	METRO	SUPER ERECTA
48	FSC	FSC	1	ICE MACHINE CUBER, 475 LB PRODUCTION, S/C., AIR–COOLED	MANITOWOC	ID–0522A
48.1	FSC	FSC	1	WALL MTD WATER FILTER FOR #48	ARCTIC PURE	AR–10000
49	FSC	FSC	1	310 LB ICE STORAGE BIN	MANITOWOC	B–420
50				SPARE NO		
51	FSC	PLUMB	1	S/S 21" X 25" FLOOR MTD MOP SINK	ADVANCE	9–OP–20
52	FSC	PLUMB	1	SERVICE SINK MIXING FAUCET W/ VACUUM BREAKER	T & S BRASS	B–0658
53	FSC	FSC	1	S/S WALL MTD 8" X 24" UTILITY SHELF, W/ MOP RACK	ADVANCE	K–245
54	–	–	–	SPARE NO	–	–
55	FUTURE	FUTURE	1	BENCH MODEL 20 QT MIXER, SET ON #56	GLOBE	SP20
56	FUTURE	FUTURE	1	S/S 24" X 24" EQUIPMENT STAND, W/ S/S UNDER SHELF, ON CASTERS	ADVANCE	SAG–MT–242
57	FUTURE	FUTURE	1	4 SLOT POP–UP TOASTER, SET ON #18	HATCO	TPT–120
58	FSC	FSC	2	DOUBLE TIER EMPLOYEE LOCKER, ON 6" LEGS OR WALL MTD 6" OFF FLOOR	WIN–HOLT	WL–21
59	FUTURE	FUTURE	1	MANUAL SLICER, SET ON #18	GLOBE	3600N
60				SPARE NO		
61	PLUMB	PLUMB	1	HOT WATER HEATER	PLUMB SPEC WH–1 A.O.SMITH	BTH–120
62	PLUMB	PLUMB	1	GREASE INTERCEPTOR	PLUMB SPEC GI–1 SCHIER	PATG–3475
–	–	–	1	–	–	–
–	–	–	1	–	–	–
–	–	–	1	–	–	–



N

1 FS2 EQUIPMENT FLOOR PLAN

1/4"=1'–0"

FSC = FOOD SERVICE CONTRACTOR, PLUMB. = PLUMBER,
ELEC. = ELECTRICIAN, VEND. = VENDOR, G.C. = GENERAL CONTRACTOR,

S/S STAINLESS STEEL, S/C = SELF CONTAINED,
CUST FAB = CUSTOM FABRICATED,
NSF = NATIONAL SANITATION FEDERATION

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204
209.943.0405
www.ldapartners.com

Consultant:
East Bay since 1984
RESTAURANT SUPPLY, INC.
Kitchen Design Consultants
49 FOURTH STREET OAKLAND, CA, 94607 (510) 465–4300 FAX (510) 465–3521

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12 EBRS: 5231
Drawn By: TQ
Checked By: JR

No.	Description	Date	By
1	BLDG/HEALTH DEPT REV	9/12/14	

BID SET 1 OCTOBER 2014

PERMIT SET
September 15, 2014

EQUIPMENT FLOOR PLAN
EQUIPMENT SCHEDULE

FS2

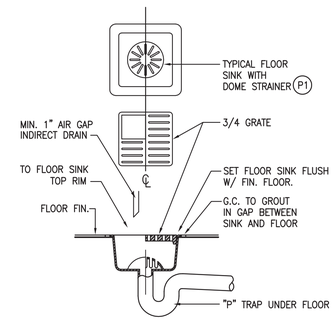
5/2/2014 9:04:23 AM

HOT WATER DEMAND FOR KITCHEN ITEMS		
HOT WATER CONSUMPTION	FIXTURE	GPH
	HAND/LAVATORY SINK – 1	5
	1 COMP PREP SINK – 1	10
	3 COMP WASH SINK – 1	75
	PRE–RINSE FAUCET UNIT – 2	90
	MOP SINK – 1	10
	DISHWASHER – 1	55
	TOTAL:	245

FOOD FACILITY WITH MULTISERVICE EATING UTENSILS, (MODERATE USE) = 60% GPH REQUIRED
245 TOTAL GPH X 60% = 147
147 GPH REQUIRED X 60 DEG RISE X 11 = 97,020 BTU MIN. INPUT FOR GAS WATER HEATER

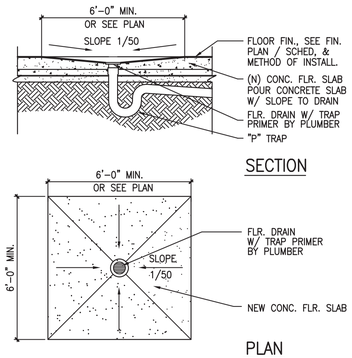
3 / FS3 HOT WATER DEMAND DATA

SCALE NONE



4 / FS3 TYP. FLOOR SINK #P1 DETAIL

SCALE NONE



5 / FS3 TYP. FLOOR DRAIN DETAIL #P2

SCALE NONE

ITEM #43.1 REFRIGERATION CONDENSER FOR #43 WALK–IN BOX REFRIGERATOR:

REFRIGERANT TYPE : R404A
REFRIGERANT CLASS IFICATION: A1
WALK–IN BOX VOLUME: 271 CUBIC FEET
AMOUNT OF CHARGE IN SYSTEM: 4.4 LBS (REFRIGERANT DETECTOR NOT REQUIRE – MAX WITHOUT DETECTOR 8.4 LBS)

ITEM #45.1 REFRIGERATION CONDENSER FOR #45 WALK–IN BOX FREEZER:

REFRIGERANT TYPE : R404A
REFRIGERANT CLASS IFICATION: A1
WALK–IN BOX VOLUME: 334 CUBIC FEET
AMOUNT OF CHARGE IN SYSTEM: 6.5 LBS (REFRIGERANT DETECTOR NOT REQUIRE – MAX WITHOUT DETECTOR 10.4 LBS)

7 / FS3 ⚠1 REFRIGERATION DATA

SCALE NONE

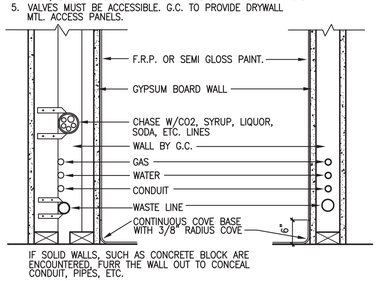
PLUMBING SCHEDULE

⚠	ITEM NO.	DESCRIPTION	QTY	BY	SUPPLY CW	SUPPLY HW	SUPPLY SOV	SUPPLY HT.	WASTE DIR.	WASTE INDIR	WASTE INSUL	WASTE HT.	WASTE VENT	GAS KBTU	GAS CONN.	GAS SOV	GAS HT.	REMARKS (WORK BY PLUMBER)
	1	SINGLE DECK CONV. OVEN	1	F	–	–	–	–	–	–	–	–	–	75	3/4"	X	30"	INSTALL SUPPLIED QUICK DISCONN/ HOSE AND PRESSURE REG.
	2	6' RANGE 6 O.B./ 36" GRIDDLE/ 2 REG. OVENS	1	F	–	–	–	–	–	–	–	–	–	322	3/4"	X	30"	INSTALL SUPPLIED QUICK DISCONN/ HOSE AND PRESSURE REG.
	3	FLOOR FRYER	1	F	–	–	–	–	–	–	–	–	–	70	3/4"	X	15"	INSTALL SUPPLIED QUICK DISCONN/ HOSE
	6.2	SUPPLY AIR FAN MUA–1	1	M	1/2"	–	X	ON ROOF	–	–	–	–	–	–	–	–	–	VERIFY IF REQ'D, SEE MECH. DWGS, PROVIDE REDUCING FITTING/TUBING TO INLET, W/ VACUUM BREAKER
	9	HOOD FIRE SUPPRESSION SYSTEM	1	F	–	–	–	–	–	–	–	–	–	VFY	VFY	X	VFY	INSTALL SUPPLIED SOV ON MAIN GAS LINE TO COOKING APPLIANCES, COORDINATE LOCATION
⚠1	13	HAND SINK/FAUCET	2	F	1/2"	1/2"	X	18"	1 1/2"	–	–	21"	1 1/2"	–	–	–	–	INSTALL SINK/FAUCET
	22	COFFEE BREWER	1	F	1/2"	–	X	45"	–	–	–	–	–	–	–	–	–	W/ REDUCING FITTING AND TUBING TO INLET PROVIDE VACUUM BREAKER
	23	TEA BREWER	1	F	1/2"	–	X	45"	–	–	–	–	–	–	–	–	–	W/ REDUCING FITTING AND TUBING TO INLET PROVIDE VACUUM BREAKER
	25	WORK TABLE W/ SINK	1	F	–	–	–	–	–	2"	–	–	–	–	–	–	–	–
	26	PRE–RINSE FAUCET	1	F	1/2"	1/2"	X	12"	–	–	–	–	–	–	–	–	–	INSTALL FAUCET
	27	LEVER WASTE DRAIN	1	F	–	–	–	–	–	2"	–	–	–	–	–	–	–	–
	33	3 COMP. WASH SINK	1	F	–	–	–	–	–	2"	–	–	–	–	–	–	–	MANIFOLD WASTE TOGETHER
	34	PRE–RINSE FAUCET	1	F	1/2"	1/2"	X	12"	–	–	–	–	–	–	–	–	–	INSTALL FAUCET
	35	LEVER WASTE DRAIN	1	F	–	–	–	–	–	2"	–	–	–	–	–	–	–	–
	36	SPLASH MTD FAUCET	1	F	1/2"	1/2"	X	12"	–	–	–	–	–	–	–	–	–	INSTALL FAUCET
	38	LOW TEMP. DISHWASHER	1	F	–	3/4"	X	60"	–	2"	–	–	–	–	–	–	–	–
	41	PRE–RINSE SINK	1	F	–	–	–	–	2"	–	–	12"	2"	–	–	–	–	–
	42	PRE–RINSE FAUCET	1	F	1/2"	1/2"	X	12"	–	–	–	–	–	–	–	–	–	INSTALL FAUCET
	43.1	WALK–IN BOX REFRIG. COIL DRAIN	1	F	–	–	–	–	–	3/4"	X	–	–	–	–	–	–	–
	45.1	WALK–IN BOX FREEZER COIL DRAIN	1	F	–	–	–	–	–	3/4"	X	–	–	–	–	–	–	–
	48	ICE MACHINE CUBER	1	F	3/8"	–	X	–	–	1/2"	X	–	–	–	–	–	–	CW FROM #48.1
	48.1	WATER FILTER	1	F	1/2"	–	X	60"	–	–	–	–	–	–	–	–	–	UNIT PROVIDED W/ VACUUM BREAKER, PROVIDE REDUCING FITTING/TUBING TO #48 INLET
	49	ICE STORAGE BIN	1	F	–	–	–	–	–	3/4"	X	–	–	–	–	–	–	–
	51	FLOOR MOP SINK	1	F	–	–	–	–	2"	–	–	FLR STUB	2"	–	–	–	–	INSTALL SINK
	52	SERVICE FAUCET	1	F	1/2"	1/2"	X	42"	–	–	–	–	–	–	–	–	–	INSTALL FAUCET
	61	HOT WATER HEATER WH–1	1	P	1 1/2"	1 1/2"	X	VFY	–	3/4"	–	–	–	120	1/2"	X	VFY	SEE PLUMB DWGS
	62	GREASE INTERCEPTOR GI–1	1	P	–	–	–	–	4"	–	–	–	2"	–	–	–	–	SEE PLUMB DWGS
	–	–	1	F	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	–	–	1	F	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	P1	FLOOR SINK	4	P	–	–	–	–	2"	–	–	FLR STUB	2"	–	–	–	–	INSTALL FLUSH W/ FLOOR
	P2	FLOOR DRAIN W/ TRAP PRIMER	4	P	1/2"	–	X	VFY	2"	–	–	FLR STUB	2"	–	–	–	–	INSTALL FLUSH W/ FLOOR
	–	–	1	F	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	–	–	1	F	–	–	–	–	–	–	–	–	–	–	–	–	–	–

REFRIGERATION SCHEDULE

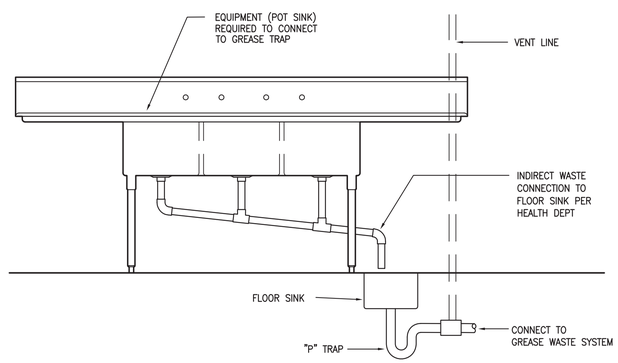
REF NO.	ITEM NO.	REFRIG. EQUIPMENT ITEM NO. DESCRIPTION	FIXTURE TEMP.	LINE RUN	LIQUID LINE	SUCTION LINE	CONDENSOR ELEC. REQ.	COND COOLING BTU	COND. LOCATION	REF LINE LOCATION	REMARKS
1	43.1	WALK–IN BOX REFRIG. #43	38°	25'–0"	PER REFRIG. CONT.	PER REFRIG. CONT.	208/230/1ø/1/2 HP	PER REFRIG. CONT.	ON ROOF	STUB OUT @ CLG.	AIR COOLED COMPRESSOR
2	45.1	WALK–IN BOX FREEZER #45	0°	25'–0"	PER REFRIG. CONT.	PER REFRIG. CONT.	208/230/1ø/2 HP	PER REFRIG. CONT.	ON ROOF	STUB OUT @ CLG.	AIR COOLED COMPRESSOR

1. ALL FINAL FINISHES SHALL BE SMOOTH W/ NO TEXTURE, WITH LIGHT COLOR, AT ALL FOOD SERVICE AREAS.
2. FLOOR COVERING SHALL EXTEND UP THE WALL CONTINUOUSLY 6" WITH 3/8" RADIUS COVE.
3. ALL CONDUIT, PIPES AND WASTE LINES SHALL BE WITHIN THE WALL.
4. PROVIDE CHASES FOR CO2, SYRUP, LIQUOR, BEER, WINE, SODA, ETC. BY PLUMBER AND FOAM SEAL OPEN ENDS BY G.C.
5. VALVES MUST BE ACCESSIBLE. G.C. TO PROVIDE DRYWALL MTL. ACCESS PANELS.



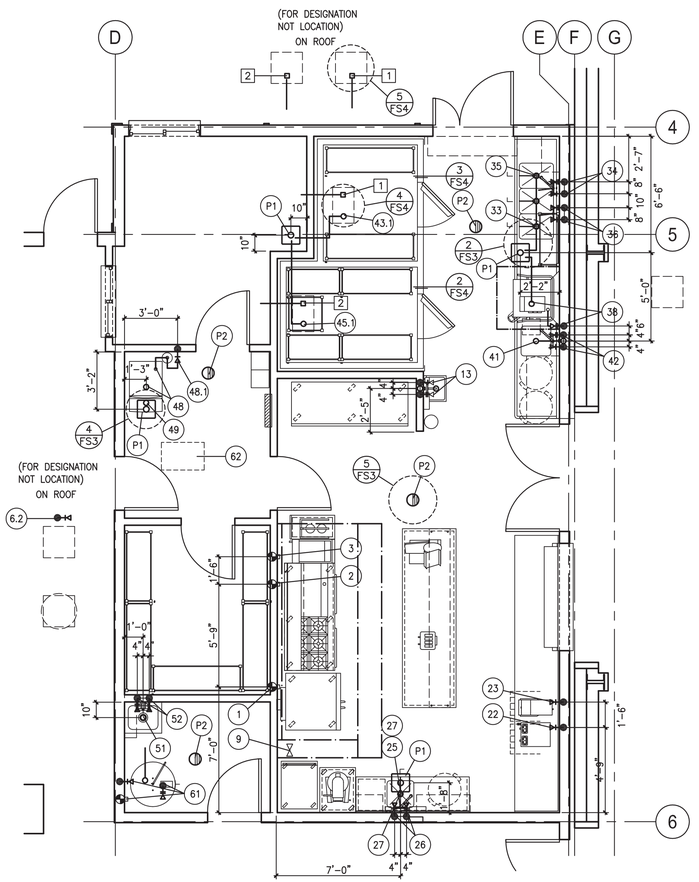
6 / FS3 UTILITIES AT WALL SECTION

SCALE NONE



2 / FS3 TYP. FLOOR SINK #P1 DETAIL

SCALE NONE



1 / FS3 ⚠1 PLUMBING PLAN

1/4"=1'–0"

PLUMBING SYMBOLS

- COLD WATER INLET
- HOT WATER INLET
- SHUT OFF VALVE (S.O.V.)
- DIRECT WASTE CONNECTION
- INDIRECT WASTE CONNECTION
- FLOOR SINK
- FLOOR SINK RECTANGLE
- FLOOR DRAIN
- FLOOR SINK ROUND
- FUNNEL FLOOR DRAIN
- GAS LINE CONNECTION
- REFRIGERATION STUB
- (F) ITEM IS SUPPLIED BY FOOD SERVICE CONTRACTOR AND INSTALLED BY PLUMBER
- (M) ITEM IS SUPPLIED BY MECH CONT CONTRACTOR AND INSTALLED BY PLUMBER
- (O) ITEM IS SUPPLIED BY OWNER AND INSTALLED BY PLUMBER
- (P) ITEM IS SUPPLIED & INSTALLED BY PLUMBER
- (V) ITEM IS SUPPLIED BY VENDOR AND INSTALLED BY PLUMBER
- (X) ITEM IS EXISTING WHICH MAY BE REPAIRED, RELOCATED OR REPLACED

- **CW** COLD WATER
- **HW** HOT WATER
- **SOV.** SHUT–OFF VALVE
- **HT** HEIGHT (STUB OUT LOCATION)
- **DIR** DIRECT WASTE CONNECTION W/ 'P' TRAP
- **INDIR** INDIRECT WASTE CONNECTION TO FLOOR SINK W/ 1" AIR GAP
- **INSUL** INSULATED AROUND DRAIN PIPE
- **V** VENT
- **LAV** LAVATORY
- **WC** WATER CLOSET
- **UR** URINAL

LDA partners LLP
lesovsky•donaldson•zagaroli•wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:

East Bay Restaurant Supply, Inc. since 1994
Kitchen Design Consultants
49 FOURTH STREET OAKLAND, CA, 94607 (510) 465-4300 FAX (510) 465-3521

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12 EBRS: 5231
Drawn By: TQ
Checked By: JR

No.	Description	Date	By
⚠1	BLDG/HEALTH DEPT REV	9/12/14	

BID SET 1 OCTOBER 2014

PERMIT SET
September 15, 2014

PLUMBING PLAN/SCHEDULE
PLUMBING SYMBOLS/DETAILS

FS3

©2014 LDA partners

ELECTRICAL SCHEDULE

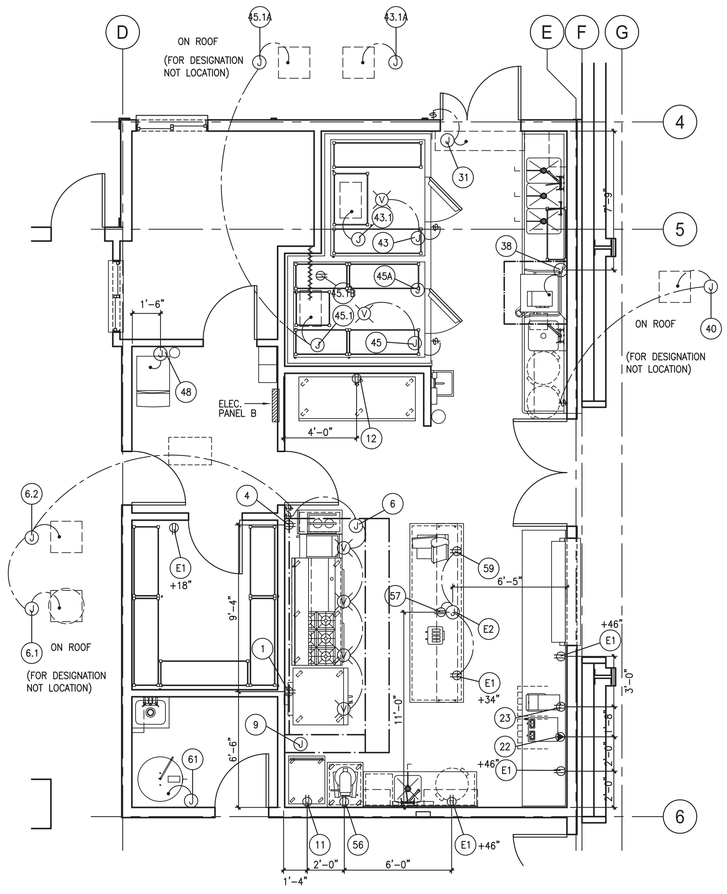
ALL OUTLETS HORIZONTALLY MTD. UNLESS OTHERWISE NOTED

ITEM NO.	DESCRIPTION	QTY.	VOLT.	PH	LOAD KW	LOAD AMP	LOAD HP	CONNECTION C/P	CONNECTION JBOX	CONNECTION DIS	HT.	REMARKS (WORK BY ELECTRICIAN) HT = TO CENTER LINE OF OUTLET OR JBOX
1	SINGLE DECK CONV. OVEN	1	120	1	–	9.0	1/2	X	–	–	46"	SEE ELEC NOTE #19/41
4	HEAT LAMP	1	120	1	.5	–	–	X	–	–	46"	SEE ELEC NOTE #19/41
6	GREASE HOOD LITE	4	120	1	.1 EA	–	VFY	–	X	–	9'–0"	WIRE TO SWITCH CONTROL, PROVIDE CF 26W LAMP SEE ELEC NOTE #19/41
6.1	EXHAUST FAN EF–3	1	230	1	–	–	3	–	X	X	ON ROOF	INTERWIRE W/ #6.2, WIRE TO SWITCH CONTROL IN KITCHEN, VERIFY W/ MECH. DWGS
6.2	SUPPLY AIR FAN MUA–1	1	230	1	–	–	1 1/2	–	X	X	ON ROOF	INTERWIRE W/ #6.1, WIRE TO SWITCH CONTROL IN KITCHEN, VERIFY W/ MECH. DWGS
9	FIRE SUPPRESSION SYSTEM	1	120	1	–	VFY	–	–	X	–	VFY	VERIFY ELEC. REQ'S W/ SUPPLIER, SEE ELEC. NOTE #19/41
11	MOTEILE HEATED CABINET	1	120	1	1.92	16.0	–	X	–	–	46"	FUTURE, PROVIDE UTILITY/OUTLET
12	3 DR REFRIGERATOR	1	120	1	–	9.6	1/2	X	–	–	88"	–
22	COFFEE BREWER	1	120/240	1	6.0	25.0	–	X	–	–	46"	–
23	TEA BREWER	1	120	1	1.8	15.0	–	X	–	–	46"	–
31	AIR CURTAIN FAN	1	120	1	–	–	1/2	–	X	–	VFY	INSTALL MICRO SWITCH ON DOOR WHEN DOOR OPENS FAN IS ACTIVATED
38	LOW TEMP. DISHWSHER	1	120	1	–	11.4	3/4	–	X	–	66"	–
40	EXHAUST FAN EF–4	1	120	1	–	–	1/6	–	X	X	ON ROOF	WIRE TO SWITCH CONTROL IN KITCHEN, VERIFY W/MECH. DWGS
43	WALK–IN BOX REFRIG. LITE	1	120	1	.1	–	–	–	X	–	9'–0"	WIRE TO SWITCH CONTROL, PROVIDE COLD OPERATION CF 26W LAMP
43.1	REMOTE REFRIG. SYSTEM REFRIG. BLOWER COIL	1	120	1	–	0.9	–	–	X	–	9'–0"	–
43.1A	REMOTE REFRIG. SYSTEM REFRIG. COMPRESSOR	1	208/230	1	–	5.7	1/2	–	X	X	ON ROOF	–
45	WALK–IN BOX FREEZER LITE	1	120	1	.1	–	–	–	X	–	9'–0"	WIRE TO SWITCH CONTROL, PROVIDE COLD OPERATION CF 26W LAMP
45A	WALK–IN BOX FREEZER DOOR/ VENT HEATER	1	120	1	–	3.0	–	–	X	–	9'–0"	–
45.1	REMOTE REFRIG. SYSTEM FREEZER BLOWER COIL	1	208/230	1	–	0.9	–	–	X	–	9'–0"	INTERWIRE W/ #45.1A, VFY W/ SUPPLIER
45.1A	REMOTE REFRIG. SYSTEM FREEZER COMPRESSOR	1	208/230	1	–	18.1	2	–	X	X	ON ROOF	INTERWIRE W/ #45.1, VFY W/ SUPPLIER
45.1B	FREEZER BLOWER COIL HEAT TAPE	1	208/230	1	–	7.0	–	X	–	–	9'–0"	–
48	ICE MACHINE	1	120	1	–	14.4	–	–	X	–	78"	–
55	20 QT MIXER	1	120	1	–	6.0	1/2	X	–	–	46"	FUTURE, PROVIDE UTILITY/OUTLET
57	TOASTER	1	120	1	–	1.8	–	X	–	–	34"	FULL POWER FROM #E2 FUTURE, PROVIDE UTILITY/OUTLET
59	SLICER	1	120	1	–	7.0	1/2	X	–	–	34"	FULL POWER FROM #E2 FUTURE, PROVIDE UTILITY/OUTLET
61	HOT WATER HEATER HW–1	1	120	1	–	6.6	–	–	X	–	VFY	–
–	–	1	120	1	–	–	–	–	–	–	–	–
–	–	1	120	1	–	–	–	–	–	–	–	–
E1	CONVENIENCE OUTLET	SEE PLAN	120	1	–	5.0 EA	–	X	–	–	SEE PLAN	–
E2	J – BOX	1	120	1	–	VFY	–	–	X	–	STUB UP	POWER FEED FOR #57, 59, E1 RUN CONDUIT THRU CABINET
–	–	1	120	1	–	–	–	–	–	–	UP	–
–	–	1	120	1	–	–	–	–	–	–	–	–

ELECTRICAL SYMBOLS

- DUPLEX CONVENIENCE OUTLET, 115V/1ø UNLESS OTHERWISE NOTED
- WP WEATHERPROOF DUPLEX CONVENIENCE OUTLET, 115V/1 5/8 UNLESS OTHERWISE NOTED
- QUADRUPLEX CONVENIENCE OUTLET, 115V/1ø UNLESS OTHERWISE NOTED
- SPECIAL CONVENIENCE OUTLET, 208V. 1ø OR 208V. 3ø
- FLOOR OUTLET
- J JUNCTION BOX
- TELEPHONE
- M METER
- POWER PANEL
- S SINGLE POLE SWITCH
- S_D DIMMER SWITCH
- S_3 THREE WAY SWITCH
- FLUORESCENT LIGHT FIXTURE
- INCANDESCENT LIGHT FIXTURE
- VAPOR PROOF LIGHT FIXTURE
- DOWN LIGHT FIXTURE
- WALL WASHER LIGHT FIXTURE
- EXIT SIGN/LIGHT FIXTURE
- EMERGENCY LIGHTING FIXTURE
- D DATA CABLE BOX
- TV CABLE TV BOX
- T THERMOSTAT
- CEILING EXHAUST FAN
- SUPPLY DIFFUSER
- RETURN OR EXHAUST DIFFUSER

VOLT	VOLTAGE
PH	PHASE
KW	KILOWATT / EACH ITEM
AMP	AMPERE / EACH ITEM
HP	HORSE POWER / EACH ITEM
C/P	EQUIPMENT W/ CORD & PLUG PROVIDE RECEPTACLE
J BOX	PROVIDE JUNCTION BOX W/ SEALTIGHT FLEX CONDUIT TO EQUIPMENT CONNECTION
DIS	WITH DISCONNECT SWITCH
HT	HEIGHT (STUB OUT LOCATION)
GFI	GROUND FAULT INTERUPTER



1 FS4 ELECTRICAL PLAN

1/4"=1'–0"

LDA partners LLP
lesovsky·donaldson·zagaroli·wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

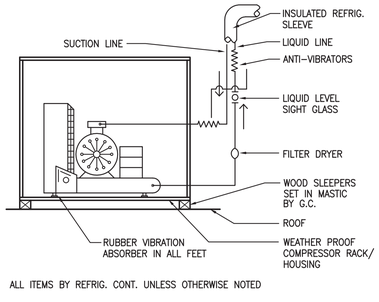
Consultant:

East Bay since 1934
RESTAURANT SUPPLY, INC.
Kitchen Design Consultants
49 FOURTH STREET OAKLAND, CA, 94607 (510) 465-4300 FAX (510) 465-3525

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

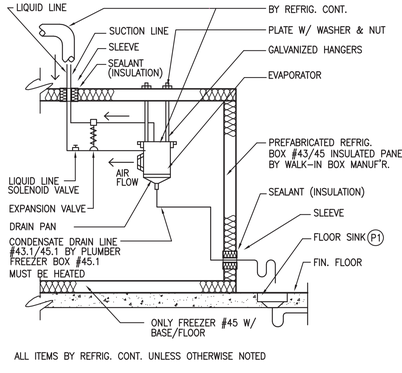
Teen Center



ALL ITEMS BY REFRIG. CONT. UNLESS OTHERWISE NOTED

5 FS4 REMOTE COMPRESSOR UNIT #43.1A/45.1A

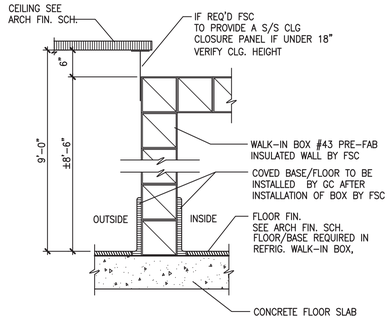
SCALE NONE



ALL ITEMS BY REFRIG. CONT. UNLESS OTHERWISE NOTED

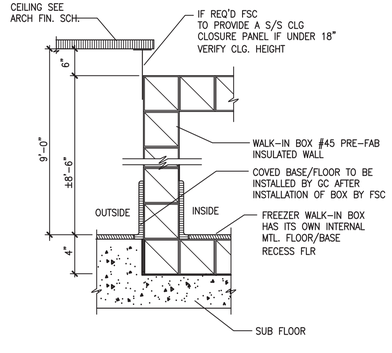
4 FS4 TYP. REFRIG. INSTALLATION @ WALK-IN BOX #43/45

SCALE NONE



3 FS4 CLOSURE/ BASE @ WALK-IN BOX #43

SCALE NONE



2 FS4 CLOSURE/ BASE @ WALK-IN BOX #45

SCALE NONE

Project No.: 635-1-12 EBRS: 5231
Drawn By: TQ
Checked By: JR

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

PERMIT SET
September 15, 2014

ELECTRICAL PLAN/SCHEDULE
ELECTRICAL SYMBOLS/DETAILS

FS4

©2009 LDA partners

PLUMBING NOTES
FOR REFERENCE SEE ARCH/ENG DWGS

1. COMPLY WITH ALL COUNTY, STATE AND FEDERAL CODES, ORDINANCES, RULES AND REGULATIONS, INCLUDING ALL REQUIREMENTS OF SERVING AGENCIES. PAY ALL COSTS REQUIRED FOR METER INSTALLATION, SEWER TAPS, BUILDING APPLICATION FEES, ETC.
2. PLUMBER TO REFER TO ALL SHEETS, SPECIFICATIONS PRIOR TO ANY BIDDING. ANY DISCREPANCIES IN DRAWING OR JOB SITE CONDITIONS SHALL BE NOTED AND INDICATED ON THE BID SUBMITTAL. SEE PLUMB ENG DWGS
3. PLUMBER TO REVIEW EXISTING SITE CONDITIONS AND DETERMINE IF EXISTING SEWER/DRAINAGE SERVICE WILL ALLOW FOR PROPER DRAIN PIPE SLOPE TO NEW FIXTURES. PLUMBING BID SHALL INCLUDE COST FOR NEW SYSTEM AND CONNECTION TO CITY SYSTEM (INCLUDING EXCAVATION, BACK FILL, SUMP PUMP, ETC. FOR A COMPLETE AND FINISH INSTALLATION). SEE PLUMB ENG DWGS
4. ENGINEER SHALL DETERMINE TOTAL PROJECT REQUIREMENTS AND DETERMINE SIZE OF SERVICE REQUIRED FOR GAS OR WATER. IF SO, PLUMBING BID PRICE SHALL INCLUDE WORK FOR NEW METERS, PIPING AND SERVICE CONNECTION PLUMBER TO COORDINATE AS SOON AS POSSIBLE WITH LOCAL SERVING AGENCY AND WATER DEPARTMENT. SEE PLUMB ENG DWGS
5. PLUMBER SHALL PROVIDE ALL WATER, SEWER, VENT, GAS LINES, ETC. INSIDE DEMISED PREMISE AND TO CONNECTION POINTS OUTSIDE SPACE. ALL LINES SHALL RUN BELOW FLOOR, IN WALLS OR ABOVE CEILING. PLUMBER TO COMPLETE ALL TRENCHING AND BACK FILL WHERE REQUIRED FOR UNDERGROUND INSTALLATIONS.
6. PLUMBER TO PROVIDE WATER CONNECTIONS, FLOOR SINKS #P1 AND DRAINS WITH TRAP AND VENTS FOR ALL FIXTURES AS REQUIRED. PLUMBER TO CONNECT ALL WATER LINES AND DRAINS TO EQUIPMENT AND FIXTURES; INCLUDING FIRE SUPPRESSION MECHANICAL VALVE #9. PROVIDE CLEANOUTS AT NEW SINKS PER C.P.C. SECTION 707.4.
7. SOIL, WASTE, DRAIN AND VENTING BELOW AND INSIDE BUILDING TO BE SERVICE WEIGHT, NO HUB, CAST IRON EXCEPT FOR VENTS AND SMALLER USE COOPER PIPES OR GALVANIZED STEEL.
8. VERIFY IF PVC AND ABS PIPES ARE APPROVED BY LOCAL CODES PRIOR TO USE OR INSTALLATION.
9. INSTALL FLOOR, WALL OR CEILING CLEAN OUT WHERE REQUIRED BY CODE OR WHERE IT WILL ALLOW FOR BEST ACCESS FOR CLEANING OUT BLOCKAGE IN PIPES.
10. WATER PIPING ABOVE GROUND SHALL BE TYPE "M" HARD DRAWN COPPER.
11. WATER PIPING BELOW GROUND SHALL BE TYPE "L" SOFT DRAWN COPPER. ALL JOINTS SHALL BE MADE ABOVE GRADE AND CONCRETE SLAB (NO CONCEALED JOINTS).
12. INDIRECT DRAWN LINES SHALL BE TYPE "L" SOFT DRAWN COPPER WITH SWEAT SOLDER JOINTS.
13. ALL HORIZONTAL DIMENSIONS ARE TAKEN FROM FACE OF STUD (FOS) OR FACE OF WALL (FOW) TO CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
14. ALL PIPES NOTED UP 12", ETC. TO STUB OUT OF WALL AT HEIGHT GIVEN. PIPE HEIGHT IS FROM FINISHED FLOOR (AFF) TO CENTERLINE OF PIPE AND NOT FROM SUBFLOOR, CONCRETE SLAB OR TOP OF EQUIPMENT BASE.
15. SECURELY FASTEN ALL PIPING TO THE BUILDING STRUCTURES BY MEANS OF HANGERS, SUPPORTS, GUIDES, ANCHORS AND SWAY BRACES TO MAINTAIN PIPE ALIGNMENT, TO PREVENT SAGGING AND TO PREVENT NOISE AND EXCESSIVE STRAIN ON PIPING DUE TO MOVEMENT UNDER OPERATING CONDITIONS.
16. PIPE HANGERS SHALL BE DESIGNED TO SUPPORT WEIGHT OF PIPE AND WEIGHT OF THE CONTENTS IN THE PIPE.
17. PROVIDE A HANGER NOT MORE THAN 12" FROM THE POINT OF CHANGE OF DIRECTION OF A PIPE RUN IN BOTH HORIZONTAL AND VERTICAL PLAN.
18. DO NOT SUPPORT PIPING OR VALVES FROM EQUIPMENT PIECES.
19. DO NOT SPRING OR FORCE PIPING DURING INSTALLATION.
20. DO NOT SLEEVE STRUCTURAL MEMBERS WITHOUT CONSENT OF THE SHELL ARCHITECT/ENGINEER. REVIEW ALTERNATIVE LAYOUT OF RUNS PRIOR TO PLACING ANY SLEEVES. IF NECESSARY, PLUMBER SHALL BE RESPONSIBLE FOR X-RAYING SLAB TO DETERMINE CONCEALED MEMBERS (E.G. POST TENSION SLAB WITH CABLES).
21. PROVIDE A TIGHT SEAL OF INCOMBUSTIBLE MATERIAL AROUND ALL PIPES WHICH PENETRATE FIRE SEPARATIONS. PROVIDE COLLARS OR TRIM RING AROUND PIPING TO RETAIN PACKING.
22. SLOPE ALL DRAINAGE PIPING WITHIN THE BUILDING WITH A MINIMUM FLOW FALL OF 1/4" PER FOOT.
23. INSTALL ALL PIPING CONCEALED IN WALLS, BELOW FLOORS, ABOVE CEILINGS OR FURRED OUT DRYWALL AREAS.
24. PLUMBER/GENERAL CONTRACTOR TO COORDINATE FLOOR, WALL AND CEILING PENETRATIONS WITH OTHER TRADES. WORK TO AVOID CONFLICTING ROUGH-IN INSTALLATIONS. REVIEW WITH PROJECT COORDINATOR.
25. ALL WASTE AND WATER PIPING PENETRATING CONCRETE FLOOR SLAB SHALL BE WRAPPED FOR PROTECTION.
26. PLUMBER TO MAINTAIN 10'-0" MINIMUM SEPARATION BETWEEN VENTS THROUGH ROOF AND OUTSIDE AIR INTAKES. VERIFY IF EXISTING VENTS CAN BE REUSED; IF NOT, PROVIDE NEW ONE TO ROOF,.
27. INSTALL DIELECTRIC FITTINGS BETWEEN FERROUS AND NON FERROUS MATERIALS. FERROUS METAL GAS PIPING EXPOSED IN EXTERIOR LOCATIONS SHALL BE PROTECTED FROM CORROSION IN A MANOR SATISFACTORY TO THE ADMINISTRATIVE AUTHORITY (i. e. GALVANIZED PIPE) AS PER C.P.C. SECTION 1211.10.
28. PLUMBER TO FURNISH AND INSTALL PRESSURE REGULATOR RELIEF VALVE AND CHECK VALVE ON MAIN SUPPLY TO INSURE THAT WATER PRESSURE DOES NOT EXCEED 60 PSI. PROVIDE MAIN SHUT OFF VALVE AND LOCATE FOR EASY ACCESS BY OWNER.
29. PROVIDE A VACUUM BREAKER OR BACK FLOW PREVENTION DEVICE AT MOP SINK (INTEGRAL PART OF FAUCET). #51/52
30. FIXTURE INLETS AND OUTLETS WITH HOSE ATTACHMENTS WHICH MAY CONSTITUTE A CROSS-CONNECTION SHALL BE PROTECTED BY AN APPROVED, NON-REMOVABLE TYPE BACKFLOW PREVENTION DEVICE OR BY AN APPROVED VACUUM BREAKER INSTALLED AT LEAST 6" ABOVE THE HIGHEST POINT OF USAGE AND LOCATED ON THE DISCHARGE SIDE OF THE LAST VALVE.
31. PROTECT WATER LINE CONNECTIONS TO EQUIPMENT WITH APPROVED AIR GAP OR APPROVED BACKFLOW PRESSURE PREVENTER E.G. CABONATED BEVERAGE DISPENSER.
32. PROVIDE SHUT OFF VALVE (SOV), IF AN AIR CHAMBER WATER HAMMER DEVICE IS SELECTED, THEN PROVIDE A SERVICE ACCESS PANEL AS REQUIRED PER C.P.C. SECTION 609.10.1.
33. PLUMBER TO PROVIDE VALVES AND FITTINGS NECESSARY TO CONNECT ALL LINES EVEN IF THEY ARE NOT PROVIDED WITH EQUIPMENT EITHER SUPPLIED BY OTHERS OR BY THE PLUMBER.
34. PLUMBER TO PROVIDE ESCUTCHEON COVERS, RINGS ETC. AT ALL FLOOR, WALL AND CEILING PENETRATIONS FOR PLUMBING LINES AND/OR FIXTURES. ALL GAPS, HOLES ETC. AROUND LINES AT PENETRATIONS SHALL BE SEALED AND CAULKED SOLIDLY AS PER HEALTH DEPARTMENT REQUIREMENTS.
35. FLOOR SINK INSTALLATION IS CRITICAL AND MUST BE PLACED EXACTLY ACCORDING TO PLAN DIMENSIONS. ANY DISCREPANCIES SHALL BE REVIEWED WITH PROJECT COORDINATOR OR EQUIPMENT SUPPLIER. FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FINISHED FLOOR; THEREFORE, REVIEW ALL FLOOR FINISHES AND THICKNESS WITH GENERAL CONTRACTOR PRIOR TO SETTING IN FIELD. PLUMBER SHALL CHECK ALL SINK ELEVATIONS PRIOR TO POURING OF CONCRETE SLAB OR TILE MORTAR BED. SIZE OF FLOOR SINK SHALL BE 12"X12"X8" DEEP UNLESS OTHERWISE NOTED. #P1
36. ALL FLOOR SINKS TO BE SUPPLIED WITH ACID RESISTING ENAMELED CAST IRON GRATE WITH 1/4 OPENING AND DOME STRAINER. #P1
37. FLOOR SINKS OR OTHER INDIRECT WASTE RECEPTORS MUST BE READILY ACCESSIBLE FOR CLEANING. #P1
38. PLUMBER TO RUN ALL INDIRECT LINES AND DRAINS TO APPROPRIATE FLOOR SINK (NUMBER OF DRAINS TO MATCH FLOOR SINK CAPACITY). #P1
39. PLUMBER TO DRAIN ALL NOTED REFRIGERATION UNITS TO FLOOR SINKS, INCLUDING REFRIGERATOR COILS #43.1/45.1, UNLESS OTHERWISE NOTED. #P1

PLUMBING NOTES (CONTINUED)

40. PLUMBER TO PROVIDE COLD WATER TRAP PRIMER WITH FLOOR DRAINS ALONG WITH ACCESS TO VALVE CONTROL. #P2
41. PLUMBER TO SUPPLY/ INSTALL NEW HOT WATER HEATER. PROVIDE EXPANSION TANK, SIZE HOT WATER HEATER CAPACITY PER HOT WATER DEMAND. SEISMIC BRACING ON HWH. #61
42. INSTALLATION INSULATION AROUND ALL HOT WATER PIPING IN WALL OR ABOVE CEILINGS. INSULATE DRAIN LINES FROM ICE SINKS, ICE BINS, OR ICE PANS TO ELIMINATE CONDENSATION ON THESE ITEMS.
43. PLUMBER SHALL CONNECT FIXTURE WASTE LINES TO PLUMBER SUPPLIED/INSTALLED GREASE INTERCEPTOR AS REQUIRED BY CODE. #62
44. HOT AND COLD RUNNING WATER UNDER PRESSURE SHALL BE PROVIDED IN ALL AREAS IN WHICH FOOD IS PREPARED OR UTENSILS ARE WASHED. ALL HAND WASHING FACILITIES SHALL BE EQUIPPED WITH HOT AND COLD RUNNING WATER PER HEALTH DEPARTMENT.
45. PER HEALTH DEPARTMENT REQUIREMENT, A TEMPERATURE AND PRESSURE GAUGE SHALL BE INSTALLED IN HOT WATER TO DISHWASHER AS CLOSE AS POSSIBLE TO ENTRY INTO MACHINE. ALSO, A GAUGE COOK SHALL BE ATTACHED AS CLOSE AS POSSIBLE TO TEMPERATURE GAUGE FOR THE PURPOSE OF TESTING THE ACCURACY OF THE INSTALLED THERMOMETER. #38
46. DISHWASHING MACHINES MAY BE CONNECTED DIRECTLY TO THE SEWER IMMEDIATELY DOWNSTREAM FROM A FLOOR DRAIN OR FLOOR SINK, VERIFY IF THEY MAY BE DRAINED THROUGH AN APPROVED INDIRECT CONNECTION SUCH AS A FLOOR SINK OF ADEQUATE CAPACITY. #38
47. IF REQUIRED BY THE BUILDING DEPARTMENT, THE ENGINEER, UNDER HIS CONTRACT, SHALL PROVIDE DRAWINGS OR DIAGRAMS OF PIPING LAYOUT, SEWER PIPE SIZES, VENTING CONNECTIONS, ETC.
48. PLUMBER SHALL REVIEW OPERATION OF EQUIPMENT, LOCATION OF VALVES, ETC. WITH THE OWNER AND/OR HIS REPRESENTATIVE AT THE COMPLETION OF THE PROJECT.
49. FAUCETS FOR KITCHEN SINKS SHALL BE INSTALLED WHICH DO NOT EXCEED A WATER FLOW RATE OF 2.2 GALLONS (8.4 LITERS) PER MINUTE PER C.P.C. SECTION 402.7.
50. SELF-CLOSING OR SELF-CLOSING METERING FAUCETS SHALL BE INSTALLED ON LAVATORIES INTENDED TO SERVE THE TRANSIENT PUBLIC SUCH AS THOSE IN, BUT NOT LIMITED TO, SERVICE STATIONS, TRAIN STATIONS, AIRPORTS, RESTAURANTS AND COMMUNITY HALLS. METERED FAUCETS SHALL DELIVER NOT MORE THAN 0.25 GALLONS (1.0 LITERS) OF WATER PER USE AS REQUIRED BY C.P.C. SECTION 402.6. FAUCET CONTROLS AND OPEREATION MECHANISMS AT COMMON-USE KITCHEN AND/OR BAR/SINK AREAS SHALL BE SUCH THAT THEY SHALL: (1) BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST; (2) REQUIRE NO MORE THAN 5 LBS. FORCE TO ACTIVATE; AND (3) BE LEVER-OPERATED, PUSH-TYPE, ELECTRONICALLY CONTROLLED, OR SIMILAR PER CBC SECTION 1115B2.1.6.1
51. ANY SPRAY HOSE OVER COMPARTMENTED SINK SHALL PROTECT POTABLE WATER SUPPLY BY A LISTED NON-REMOVABLE HOSE BIBB TYPE BACKFLOW PREVENTER OR BY A LISTED ATMOSPHERIC VACUUM BREAKER INSTALLED AT LEASE SIX INCHES ABOVE THE HIGHEST POINT OF USAGE LOCATED ON THE DISCHARGE SIDE OF THE LAST VALVE. C.P.C. SECTION 603.4.7.
52. ALL BUILDING SUPPLY SYSTEMS IN WHICH QUICK-ACTING VALVES ARE INSTALLED SHALL BE PROVIDED WITH DEVICES TO ABSORB HIGH PRESSURES (WATER HAMMER) FROM THE QUICK CLOSING OF THESE VALUES PER C.P.C. SECTION 609.10.
53. THE OVERFLOW FROM EVAPORATIVE COOLERS AND SIMILAR WATER SUPPLIED EQUIPMENT OF SIMILAR AIR CONDITIONING EQUIPMENT SHALL BE COLLECTED AND DISCHARGED TO AN APPROVED PLUMBING FIXTURE OR DISPOSAL AREA PER CPC SECTION 815.0 AND CMC 310.1. VFY W/ #6.2
54. PROVIDE AN APPROVED BACKFLOW PREVENTION DEVICE ON THE WATER SUPPLY TO THE EVAPORATIVE COOLER MAU PER CPC SECTION 603.4.9. VFY W/ #6.2
55. FOOD DISPOSAL AND DISHWASHERS ARE PROHIBITED TO DISCHARGE INTO ANY GREASE TRAP PER CPC SECTION 1015.0.
56. POT SINKS, SCULLERY SINKS, DISWASHER SINKS, SILVERWARE SINKS, COMMERCIAL DISHWASHING MACHINES, SILVERWARE WASHING MACHINES, AND OTHER SIMILAR FIXTURES SHALL BE CONNECTED DIRECTLY TO THE DRAINAGE SYSTEM PER CPC SECTION 704.3
57. AT SODA FOUNTAIN INDIRECT WASTE, THE DEVELOPED LENGTH FROM THE FIXTURE OUTLET TO THE RECEPTOR SHALL NOT EXCEED FIVE (5) FEET PER CPC 801.3 DIRECT SODA DISCHARGE TO THE SANITARY SYSTEM WILL CAUSE CORROSION TO CAST IRON PIPING. PROVIDE ACID RESISTIVE WASTE PIPING AT SODA DISPENSER AREAS TO THE NEAREST COMBINATION/WYE FITTING, INCLUDING THE FITTING, WHERE A POINT OF DILUTION IS ACHIEVED.
58. DRAINAGE CONNECTIONS SHALL NOT BE MADE WITHIN EIGHT FEET OF ANY VERTICAL TO HORIZONTAL CHANGE OF DIRECTION OF A STACK CONTAINING SUDS-PRODUCING FIXTURES (I.E. DISHWASHER) PER CPC 711.0
59. NO COMBINATION WASTE AND VENT IS PERMITTED ON THE GREASE WASTE. SECTION 910.2 AND APPENDIX B, END OF B1 NOTE.
60. NO FLAT VENTING IS PERMITTED, SECTION 905.3 AND NO COMBINATION WASTE AND VENT IS PERMITTED.

ELECTRICAL NOTES
FOR REFERENCE SEE ARCH/ENG DWGS

1. FURNISH AND INSTALL, INCLUDING LABOR, SUPERVISION, MATERIALS, TOOLS, SERVICES, TRANSPORTATION, OVERHEAD COSTS, FEES, PLAN CHECK FEES, INSPECTION CHARGES, ROYALTIES, ETC.; A COMPLETE ELECTRICAL INSTALLATION AS SPECIFIED HEREIN AND INDICATED ON ALL ELECTRICAL AND OTHER DRAWINGS, E.G. CONTROL WIRING FOR MECHANICAL SYSTEM, IN AN APPROVED, NEAT, FIRST CLASS, FINISHED, SAFE, WORKMANSHIP LIKE MANNER THAT COMPLIES WITH ALL APPLICABLE LOCAL, STATE, FEDERAL AND SERVING ELECTRICAL AND TELEPHONE UTILITIES, ETC. CODES, ORDINANCES, RULES, REGULATIONS, STANDARDS, ETC. INCLUDING CURRENT ADDENDA AND ERRATA. THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY OR SURPASS THE MOST RECENT EDITION OF THE NATIONAL ELECTRICAL CODE PER OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). ALL EQUIPMENT SHALL MEET U.L. APPROVAL. ALL WORK MEETS 2013 CEC AND CURRENT NEC.
2. REFER TO ALL SHEETS, SPECIFICATIONS PRIOR TO ANY BIDDING. ANY DISCREPANCIES IN DRAWINGS OR JOB SITE CONDITIONS SHALL BE NOTED AND INDICATED ON BID SUBMITTAL. SEE ELEC ENG DWGS
3. ALL UTILITY LOCATIONS ARE NOT NECESSARY KNOWN OR SHOW. ELECTRICIAN SHALL CONFIRM ELECTRICAL SERVICE TO EXISTING SITE. ALSO WITHOUT LIMITATION, THE ELECTRICIAN SHALL BE RESPONSIBLE AT HIS OWN COST FOR ALL WORK EXPANSES OR SPECIAL PRECAUTIONS CAUSED BY THE EXISTENCE OR PROXIMITY OF UTILITIES ENCOUNTERED AT SITE (MAY INCLUDE COMMUNICATIONS CABLES OR HIGH VOLTAGE CABLES). WHEN CORE DRILLING, CUTTING, ETC. IN THE VICINITY OF THE CABLES, SPECIAL PRECAUTIONS SHALL BE OBSERVED BY THE ELECTRICIAN TO GUARD AGAINST ANY DAMAGE OR INJURY. SEE ELEC ENG DWGS
4. ELECTRICIAN SHALL MAINTAIN ELECTRICAL SERVICE (EVEN TEMPORARY WIRING AND POWER) TO BUILDING SPACE. IF NECESSARY TO CUT OFF POWER, PROPER AND TIMELY REQUEST TO LANDLORD SHALL BE MADE AND SHUT DOWN DURATION OF POWER CUT OFF SHALL BE KEPT TO A MINIMUM.
5. ELECTRICIAN SHALL COMPLETE ANY DEMOLITION WORK IF REQUIRED FOR NEW WORK, SUCH AS REMOVING EXISTING DRYWALL, PLASTER, STUDS AND RELOCATING EXISTING UTILITIES AS REQUIRED.
6. ENGINEER SHALL DETERMINE THE NEW ELECTRICAL SERVICE LOAD REQUIRED FOR FOOD SERVICE EQUIPMENT, LIGHTING, ETC. ELECTRICIAN TO REVIEW POWER SUPPLY WITH LOCAL ELECTRIC POWER AGENT AS SOON AS POSSIBLE IN OTHER TO MEET HIS WORK SCHEDULE. ENGINEER TO SIZE, ELECTRICIAN TO INSTALL POWER PANELS AND MAIN SWITCHBOARD/GEAR. SEE ELEC ENG DWGS
7. ELECTRICIAN TO LABEL ALL PANELS AND CIRCUIT BREAKERS IN PANELS FOR EASE OF IDENTIFICATION.
8. ALL WIRING MUST BE IN RIGID CONDUIT OR EMT (ELECTRIC METALLIC CONDUIT) OR FLEX METAL CONDUIT (PIGTAILS TO UNITS ON DIRECT CONNECTIONS), OR SEAL-TIGHT FLEX CONDUIT. ALL CONDUITS SHALL BE INSTALLED INSIDE WALLS OR CABINETS AND CONCEALED WHEREVER POSSIBLE.

ELECTRICAL NOTES (CONTINUED)

9. ELECTRICIAN TO CONNECT AND PROVIDE POWER TO ALL FIXTURES SUPPLIED BY ELECTRICIAN, FOOD SERVICE, MILLWORK CONTRACTOR, OR OWNER. IF NOT POSSIBLE OVERHEAD OR IN WALL, ELECTRICIAN SHALL DRILL THROUGH FLOOR AND RUN UNDERGROUND FOR FEEDS TO ITEMS OR GENERAL AREA FEEDS.
10. ENGINEER TO SIZE ALL ELECTRICAL CIRCUIT BREAKERS, WIRE DIAMETERS, CONDUITS, JUNCTION BOXES, ETC. FOR LOAD REQUIREMENTS. ELECTRICIAN TO PROVIDE ALL JUNCTION BOXES AND OUTLETS IN WALLS; INSTALL FLUSH WITH FINISHED WALL OR SPLASH UNLESS OTHERWISE NOTED. EXTERNAL WIRING FOR FIXTURES TO BE CONNECTED BY ELECTRICIAN. NO EXPOSED LINES. WHERE NECESSARY, INSTALL EXTENSION RINGS ON OUTLETS THROUGH CABINET OR EQUIPMENT BACK SPLASHES.
11. ELECTRICIAN SHALL BE RESPONSIBLE FOR VERIFYING THE ELECTRICAL CHARACTERISTICS AND ADDITIONAL REQUIREMENTS OF ALL THE ELECTRICAL FOOD SERVICE EQUIPMENT, INCLUDING OUTLETS, PLUGS AND ANY EXTERNAL WIRING (FLEXIBLE CONDUIT DIRECT CONNECTIONS FROM JUNCTION BOXES TO UNIT). EQUIPMENT CUT SHEETS SHALL BE PROVIDED. VERIFY AND COORDINATE WITH FOOD SERVICE EQUIPMENT SUPPLIER AND COMPLY AS REQUIRED.
12. ELECTRICIAN SHALL VERIFY AND COORDINATE WITH MECHANICAL CONTRACTOR ON THE LOCATION OF MECHANICAL EQUIPMENT SUCH AS HOOD SUPPLY #6.2 AND EXHAUST #6.1/40. FANS (E.G. VOLTAGE, PHASE, HORSE POWER, AMPERAGE, CONTROL WIRING, NUMBER OF CONNECTIONS, ETC. AND COMPLY AS REQUIRED).
13. ALL HORIZONTAL DIMENSIONS ARE TAKEN FROM FACE OF STUD (FOS) OR FACE OF WALL (FOW) TO CENTERLINE OF OUTLET, UNLESS OTHERWISE NOTED.
14. ALL OUTLETS NOTED UP 18" FOR EXAMPLE IS TO BE PLACED IN WALL AT HEIGHT GIVEN (HEIGHT IS MEASURED FROM FINISHED FLOOR NOT FROM CONCRETE SLAB, WOOD SUB-FLOOR OR TOP OF EQUIPMENT BASE) TO CENTERLINE OF OUTLET.
15. INSTALL OUTLETS WHERE DIMENSIONED. IF NECESSARY, INSTALL BLOCKING OR FRAMING BRACKETS BETWEEN STUDS.
16. ANY OUTDOOR ELECTRICAL OUTLETS, SWITCHES OR CONNECTIONS SHALL BE WEATHERPROOF. PROVIDE A UTILITY OUTLET ON ROOF NEAR MECHANICAL OR REFRIGERATION EQUIPMENT. RECEPTACLES ON THE ROOF SHALL BE PROVIDE WITH GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL, C.E.C. ARTICLE 210-8(b) (2). A 120-VOLT TO BE LOCATED WITHIN 25 FEET OF THE EQUIPMENT FOR SERVICE AND MAINTENANCE PURPOSES. C.M.C/ SECTION 309.0.
17. ALL OUTLETS 125-VOLT, SINGLE PHASE, 15 AND 20 AMPERE RECEPTACIES INSTALLED IN COMMERCIAL KITCHENS OR WITHIN 6'-0" OF WATER SOURCE SHALL BE GFCI (GROUND FAULT INTERRUPTER) TYPE FOR ELECTRIC SHOCK PROTECTION. CEC 210, 8(B) (2)
18. RECEPTACLES SHALL BE CENTERED NOT LESS THAN 18" ABOVE THE FINISH FLOOR OR MORE THAN 46" ABOVE THE FINISH FLOOR (OR 15" TO BOTTOM OF BOX OR NOT MORE THAN 48" TO THE TOP OF THE BOX) TO MEET DISABLED ACCESSIBILITY REQUIREMENTS.
19. ELECTRICIAN TO CONNECT ALL COMPRESSOR AND FAN MOTOR WITH DISCONNECT, MAGNETIC STARTER OR CONTROL SWITCHES. PROVIDE OVER-CURRENT PROTECTION FOR MOTORS NOT FURNISHED WITH INTEGRAL ITEM. PROVIDE CONTACTORS FOR ELECTRICAL COOKING EQUIPMENT WHICH MUST SHUT DOWN WHEN FIRE SUPPRESSION SYSTEM IS ACTIVATED. AN APPROVED INDEPENDENT MEANS OF DISCONNECT FOR THE ELECTRICAL SUPPLY TO EACH PIECE OF EQUIPMENT SHALL BE PROVIDED IN SIGHT OF THE EQUIPMENT SERVED WHEN THE SUPPLY VOLTAGE EXCEEDS 50 VOLTS PER C.M.C. SECTION 309.0.
20. LIGHTING, POWER, TELEPHONE AND COMMUNICATION OUTLETS SHALL NOT BE PLACED BACK TO BACK IN COMMON WALLS.
21. NO MORE THAN THREE (3) UTILITY OUTLETS SHALL BE ON ONE CIRCUIT.
22. PROVIDE PLUGS AND CORDS FOR MOVABLE EQUIPMENT WHERE THEY ARE NOT STANDARD WITH MANUFACTURER. SHORTEN CORDS IF REQUESTED BY EQUIPMENT SUPPLIER OR OWNER.
23. ELECTRICIAN TO INSTALL 1 INCH METAL CHASE CONDUIT FOR CASH REGISTER COMPUTER CABLE BETWEEN EACH UNIT. PROVIDE PULL CORD FOR FUTURE CASH REGISTER CABLE (SHIELDED, 4 WIRE, TWISTED PAIRS WITH SEPARATE GROUND WIRE) OR INSTALL CABLE IF PROVIDED BY OWNER OR CASH REGISTER SUPPLIER. VERIFY REQUIREMENT WITH OWNER.
24. AT ISOLATED CLEAN CIRCUIT, USE RED COLOR OUTLETS AS INDICATION OF SPECIAL USE (SPECIAL OUTLETS FOR CASH REGISTER, COMPUTER, PRINTERS OR OTHER SPECIAL USE). VERIFY REQUIREMENT WITH OWNER.
25. ELECTRICIAN AND GENERAL CONTRACTOR TO COORDINATE FLOOR, WALL AND CEILING PENETRATIONS WITH OTHER TRADES AND WORK TO AVOID CONFLICTING ROUGH-IN INSTALLATIONS. REVIEW WITH PROJECT COORDINATOR.
26. ELECTRICIAN TO PROVIDE AND RUN CONDUIT CHASE FOR TELEPHONE AS INDICATED. INSTALL JUNCTION BOXES WITH COVER PLATES AND PULL CORD FOR TELEPHONE INSTALLER. RUN BACK TO BUILDING TELEPHONE TERMINAL BOARD.
27. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS OR CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE SEPARATION. ELECTRICIAN SHALL VERIFY AND RECEIVE APPROVAL FROM LANDLORD AND/OR BUILDING ARCHITECT/ENGINEER PRIOR TO ANY SLAB CORE DRILLING ON PENETRATING STRUCTURAL MEMBERS (E.G. POST TENSION SLAB WITH CABLES). IF NECESSARY, ELECTRICIAN SHALL BE RESPONSIBLE FOR X-RAYING SLAB TO DETERMINE CONCEALED MEMBERS.
28. INSTALL A POLYETHYLENE PULL ROPE IN ALL EMPTY CONDUITS.
29. IN ALL KITCHEN FOOD PREPARATION, DISH WASHING AND SERVING AREAS, PROVIDE STAINLESS STEEL OUTLET COVER PLATES. IN OTHER AREAS, PROVIDE STANDARD WHITE, IVORY OR BROWN COVER PLATES AS DIRECTED, OR MATCH ADJACENT FINISH COLOR.
30. ALL INTERIOR AND/OR EXTERIOR LIGHTING CIRCUITS TO BE THE RESPONSIBILITY OF THE ELECTRICIAN. IF ANY DISCREPANCIES WITH SWITCHING LAYOUT, VERIFY WITH ARCHITECT. SWITCHING SHALL MEET CODE ENERGY REQUIREMENTS. A SEPARATE 20 AMP BRANCH CIRCUIT SHALL BE PROVIDED FOR OUTSIDE SIGNS ON COMMERCIAL BUILDINGS C.E.C. ARTICLE 600-5 (a).
31. ALL LIGHTING FIXTURES SHALL CONTAIN NEW LAMPS OF POWER, TYPE AND SIZE AS SPECIFIED AND SHALL BE FURNISHED BY ELECTRICIAN UNLESS OTHERWISE NOTED. SEE ARCH/ELEC ENG DWGS
32. FURNISH TWO SPARE LAMPS FOR EACH TYPE OF LIGHT FIXTURE USED.
33. ELECTRICIAN SHALL VERIFY ALL FIXTURE LOCATIONS PRIOR TO INSTALLING OR CUTTING HOLES IN CEILING.
34. ALL NEW LIGHT SWITCHES AT +48" TO TOP OF BOX, UNLESS OTHERWISE NOTED. MEET DISABLED ACCESS HEIGHT.
35. IF ANY EXPOSED INCANDESCENT LAMPS AND/OR FLUORESCENT TUBES ARE INSTALLED, THEY SHALL BE PROVIDED WITH SAFETY TOOB-GARD UNBREAKABLE PLASTIC SLEEVES OR PLASTIC LENS WHEN OVER FOOD DISPLAY OR PREPARATION AREAS.
36. NEW FLUORESCENT FIXTURES SHALL BE PROVIDED WITH ENERGY SAVER ELECTRONIC BALLASTS. SEE ARCH/ELEC ENG DWGS
37. ELECTRICIAN SHALL PROVIDE EMERGENCY POWER SYSTEM, LIGHTS AND EXIT SIGNS AS REQUIRED BY BUILDING DEPARTMENT CODES ON LIGHTING (1.5 HOUR ENDURANCE BATTERIES WITH UNIT ON SEPARATE CIRCUIT OR WIRED AHEAD OF MAIN DISCONNECT). SEE ARCHELC ENG DWGS
38. IF REQUIRED BY BUILDING DEPARTMENT, THE ENGINEER, UNDER HIS CONTRACT, SHALL PROVIDE DRAWINGS OR DIAGRAMS OF WIRES, BREAKER ARRANGEMENT, ETC.
39. ELECTRICIAN SHALL REVIEW OPERATION OF EQUIPMENT CIRCUIT BREAKERS, ETC. WITH OWNER AND/OR HIS REPRESENTATIVE AT COMPLETION OF THE PROJECT.
40. SWITCHES, CONTROLS, ETC., USE TO OPERATE LIGHT, HEATING, COOLING, VENTILATION EQUIPMENT SHALL BE 48" ABOVE FINISH FLOOR TO TOP OF BOX, MEET DISABLED ACCESSIBILITY REQUIREMENTS.
41. UNDER CURRENT CODE NOT ONLY IS THERE A REQUIREMENT FOR ALL ELECTRIC POWER SOURCES FOR ELECTRICAL COOKING EQUIPMENT TO TURN OFF WHEN HOOD FIRE SUPPRESSION SYSTEM IS ACTIVATED BUT ALSO ALL ELECTRICAL OUTLETS OR OTHER SOURCES DIRECTLY UNDER THE HOOD. THEREFORE, THE ELECTRICIAN SHALL PROVIDE/INSTALL A CONTACTOR AT EQUIPMENT OR A SHUNT BREAKER AT PANEL(S) FOR THESE ITEMS. VERIFY CONTROL WIRING TO FIRE SUPPRESSION SYSTEM WITH SUPPLIER. #9

ELECTRICAL NOTES (CONTINUED)

42. AIR MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF PER C.M.C. SECTION 609. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR-MOVING EQUIPMENT UPON DETECTION OF SMOKE IN THE MAIN SUPPLY-AIR DUCT SERVED BY SUCH EQUIPMENT. (REFERS TO AGGREGATE CFM OF ALL UNITS) VERIFY WITH MECH CONT
43. A). ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER THERE LISTING OR LABELING.
    B). GROUND CONNECTIONS TO BE MADE ON THE LINE SIDE OF THE NEUTUAL DISCONNECT LINK.
    C). ALL EQUIPMENT SHALL BE LISTED BY AN ACCEPTED AGENCY AND BEAR ITS LISTING LABEL.
44. PROVIDE BONDING FROM COLD TO HOT WATER PIPING TO COMPLY WITH CEC 250-104(C).
45. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE (11 LUX) AT THE WALKING SURFACE LEVERL. IN THE EVENT OF POWER SUPPLY FAILURE AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATTCALLY ILLUMINATE THE FOLLOWING AREAS:

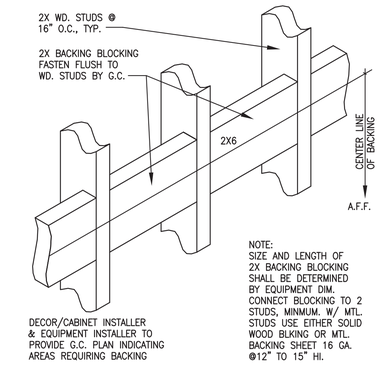
    AISLES AND UNENCLOSED EGRESS STAINWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS.

    CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

    EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

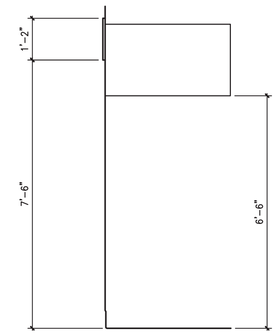
    INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1024.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

    EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1008.1.5, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TOW OR MORE EXITS



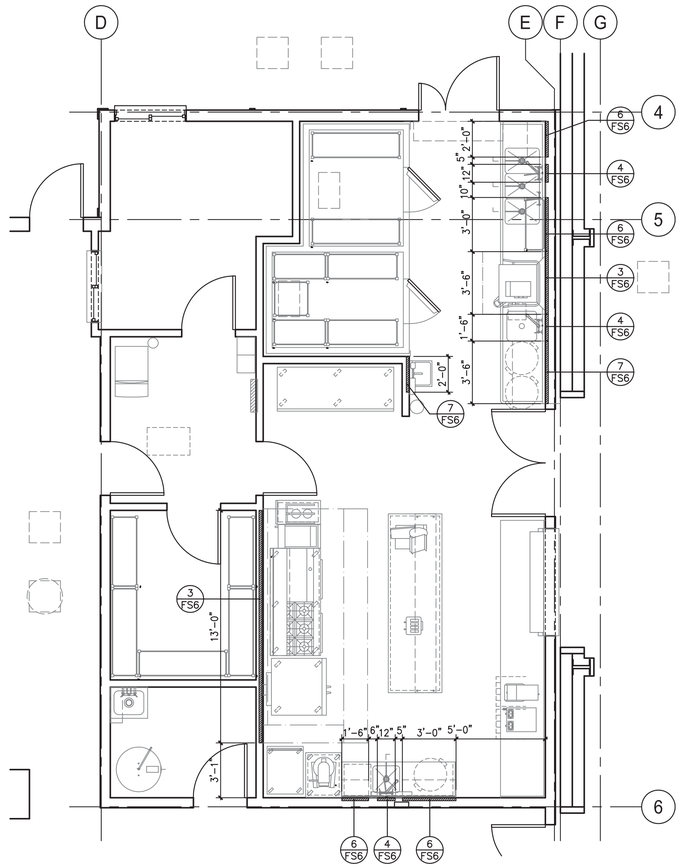
2 FS6 EQUIPMENT BLOCKING

1 1/2"=1'-0"



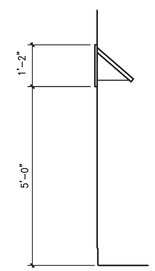
3 FS6 HOOD BACKING

1/2"=1'-0"



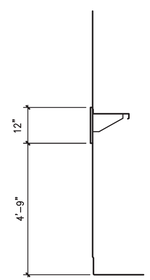
1 FS6 BACKING PLAN

1/4"=1'-0"



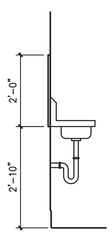
7 FS6 SLANTED RACK SHELF

1/2"=1'-0"



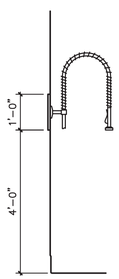
6 FS6 SINGLE SHELF BACKING

1/2"=1'-0"



5 FS6 HAND SINK BACKING

1/2"=1'-0"



4 FS6 PRE-RINSE FAUCET

1/2"=1'-0"

LDA partners LLP
lesovsky•donaldson•zagaroli•wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:

East Bay since 1994
RESTAURANT SUPPLY, INC.
Kitchen Design Consultants
49 FOURTH STREET OAKLAND, CA, 94607 (510) 465-4300 FAX (510) 465-3521

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12 EBRS: 5231
Drawn By: TQ
Checked By: JR

No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

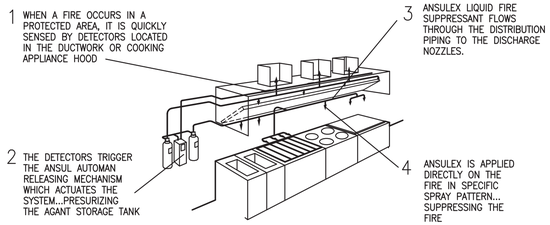
PERMIT SET
September 15, 2014

BACKING PLAN/ DETAILS

FS6

AM 10/2/2014 10:20:09

HERE'S HOW THE NEW ANSUL R-102 SYSTEM WORKS



TOTAL SYSTEM

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED, LIQUID AGENT, CARTRIDGE-OPERATED TYPE WITH FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUTOFF APPLICATIONS.

THE SYSTEM SHALL HAVE FIRE SUPPRESSION CAPABILITIES FOR THE FOLLOWING RESTAURANT HAZARD AREAS; VENTILATING STRUCTURES INCLUDING HOODS, DUCTS, PLENUMS, AND FILTERS; DEEP-FAT FRYERS; GRIDDLES AND RANGE TOPS; UPRIGHT,NATURAL CHARCOAL, OR CHAIN-TYPE BROILERS; ELECTRIC, LAVA ROCK, OR GAS-RADIANT CHAR-BROILERS.

A SYSTEM OWNER'S MANUAL SHALL BE AVAILABLE CONTAINING BASIC INFORMATION PERTAINING TO SYSTEM OPERATION. A DETAILED TECHNICAL MANUAL SHALL BE SUPPLIED INCLUDING SYSTEM DESCRIPTION, DESIGN, INSTALLATION, RECHARGE, AND MAINTENANCE PROCEDURES, PLUS ACCESSORY INSTALLATION AND RESET INSTRUCTIONS.

THE MANUFACTURER SHALL PROVIDE SERVICES THROUGH A NETWORK OF AUTHORIZED DISTRIBUTORS.

SYSTEM EQUIPMENT

REGULATED RELEASE MECHANISM

THE REGULATED RELEASE MECHANISM SHALL BE THE SPRING-LOADED, MECHANICAL/PNEUMATIC TYPE CAPABLE OF PROVIDING THE EXPELLANT GAS SUPPLY TO ONE OR TWO AGENT TANKS, DEPENDING ON THE CAPACITY OF THE NITROGEN CARTRIDGE USED. IT SHALL CONTAIN A FACTORY-INSTALLED REGULATOR DEADSET AT 100 PSI (690 KPA)

WITH AN INTERNAL RELIEF OF APPROXIMATELY 130-150 PSI (896-1034 KPA). IN THE "ARMED" POSITION, THE MAIN SPRING FORCE TO THE PUNCTURE PIN PISTON SHALL BE 150 LB. (68 KG). THE MECHANISM SHAL HAVE A VISUAL INDICATOR OF THE COCKED OR FIRE CONDITON WITHOUT HAVING TO OPEN THE ENCLOSURE.

THE REGULATED RELEASE MECHANISM SHALL HAVE THE FOLLOWING ACTUATION CAPABILITIES; AUTOMATIC ACTUATION BY A FUSIBLE LINK DETECTION SYSTEM; REMOTE MANUAL ACTUATION BY A MECHANICAL PULL STATION; LOCAL MANUAL ACTUATION BY S PUSH BUTTON LOCATED AT THE FRONT OF THE RELEASE MECHANISM ENCLOSURE. THE REGULATED RELEASE MECHANISM SHALL CONTAIN AN ACTUATOR ASSEMBLY, REGULATOR, EXPELLANT GAS HOSE, AND ONE 3 GALLON AGENT TANK HOUSED IN A CHROME-PLATED ENCLOSURE WITH COVER SHALL CONTAIN OPENINGS FOR THE PUSH BUTTON AND VISUAL INDICATOR.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH MECHANICAL GAS LINE SHUT-OFF DEVICES; OR, WHEN EQUIPPED WITH A FIELD OR FACTORY-INSTALLED SOLENOID AND SWITCH, IT SHALL BE COMPATIBLE WITH ELECTRIC GAS LINE OR APPLIANCE SHUT-OFF DEVICES.

AGENT

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE-RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

TANK AND BRACKET

THE LIQUID AGENT STORAGE TANK SHALL BE DEEP DRAWN CARBON STEEL CHROME-PLATED WITH A GALLON (11.4L) CAPACITY. THE SHELL ASSEMBLY SHALL MEET THE FOLLOWING PRESSURE TEST REQUIREMENTS: 100 PSI (890 KPA) WORKING PRESSURE, 300 PSI (2069 KPA) TEST PRESSURE, 300 PSI (4137 KPA) MINIMUM BURST PRESSURE.

THE TANK SHALL INCLUDE AN ADAPTOR/TUBE ASSEMBLY. THE ADAPTOR SHALL BE CHROME-PLATED STEEL WITH A 1/4-18 NPT FEMALE IN-LET AND A 1/2-14 NPT MALE OUTLET. THE PICK P TUBE SHALL BE CARBON STEEL - 1/2 IN. O.O. BY .028 WALL.

A WELDED STEEL BRACKET SHALL BE PROVIDED FOR MOUNTING OF ADDITIONAL TANKS IN A MINIMUM AMOUNT OF SPACE. THESE AGENT TANKS SHALL BE SECURED WITH HINGED BRACKET BANDS.

DISCHARGE NOZZLE

EACH DISCHARGE NOZZLE SHALL BE TESTED AND LISTED WITH THE RESTAURANT SYSTEM OR SPECIFIC APPLICATIONS. NOZZLE PLACEMENT SHALL BE DETERMINED BY THE SIZE OF THE ORIFICES IN THE NOZZLE TIP. THE NOZZLE TIP SHALL BE BRASS OR CHROME-PLATED BRASS, AND STAMPED WITH THE PART NUMBER AND FLOW RATING. THE NOZZLE TIP RETAINER AND BODY SHALL BE CHROME-PLATED BRASS. THE NOZZLE STRAINER SHALL BE BRASS WITH STAINLESS 50 MESH SCREEN. EACH NOZZLE TIP SHALL BE COVERED BY A PROTECTIVE BLOW-OFF CAP.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND IN-STALLED ACCORDING TO THE OOPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINKS SHALL BE RATED AS FOLLOWS:

FUSIBLE LINK TEMPERATURE RATING	USE WHERE OPERATING TEMPERATURE DOES NOT EXCEED
280 F (130 C)	225 F (107 C)
360 F (182 C)	280 F (143 C)
450 F (232 C)	360 F (182 C)
500 F (260 C)	400 F (204 C)

THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/LINKAGE ASSEMBLY. THE DETECTOR BRACKET SHALL BE 16 GA. COLD-ROLLED STAINLESS STEEL. THE DETECTOR LINKAGE SHALL BE 20 GA. COLD-ROLLED STAINLESS STEEL.

THE DETECTOR BRACKET/LINKAGE ASSEMBLY SHALL HAVE PROVISIONS FOR CONNECTING 1/2 IN. RIGID OR EMT THIN-WALL CONDUIT, AND 1/16 INCH (1.6 MM) DIAMETER FLEXIBLE STAINLESS STEEL ROPE. CHANGES IN THE DIRECTION OF THE CONDUIT AND STEEL ROPE SHALL BE ACCOMPISHED WITH DIE CAST ALUMINUM ALLOY, 90 PULLEY ELBOWS.

THE FOLLOWING ACCESSORY EQUIPMENT SHALL BE AVAILABLE, AND SHALL BE COMPATIBLE WITH THE LIQUID AGENT RESTAURANT FIRE SUPPRESSION SYSTEM: REMOTE MANUAL PULL STATION.

IF RELEASE MECHANISM IS NOT ACCESSIBLE FOR MANUAL ACTUATION, REMOTE MANUAL PULL STATION SHALL BE PROVIDED AS THE PRIMARY MEANS OF MANUAL ACTUATION. THE PULL STATION SHALL BE THE GLASS BREAK-ROD TYPE, AND SHALL BE CONNECTED TO THE RELEASE MECHANISM TRIP LEVER BY MEANS OF 1/16 INCH (1.6MM) DIAMETER STAINLESS STEEL ROPE AND 1/2 INCH CONDUIT. THE PULL STATION SHALL BE LOCATED AT A DISTANCE OF NOT MORE THAN 125 FT. (38M) FROM THE RELEASE MECHANISM. THE MOUNTING HEIGHT OF THE PULL STATION SHALL BE IN ACCORDANCE WITH THE AUTHOUITY HAVING JURISDICTION.

MECHANICAL GAS LINE SHUTOFF VALVE

A UL LISTED, MECHANICAL GAS VALVE SHALL BE PROVIDED WHEN AUTOMATIC GAS LINE SHUT-OFF IS REQUIRED FOR INDOOR APPLICATIONS. IT SHALL BE ADAPTED TO THE RELEASE MECHANISM CARTRIDGE RECEIVER BY MEASURE OF A PNEUMATIC PISTON-TYPE AIR CYLINDER. THE VALVE SHALL HAVE RESILIENT SEATING WITH AN ALUMINUM BODY AND STAINLESS STEEL INTERNAL PARTS. IT SHALL BE A TWO-WAY, NORMALLY OPEN VALVE REQUIRING 4-15 LB. (1.8-6.8KG) OF PULL FORCE TO TRIP. THE VALVE (3/4 TO 2 IN.) SHALL HAVE AN EXTERNAL VISUAL INDICATOR OF THE CLOSED OR OPEN POSITION.

ELECTRIC GAS LINE SHUTOFF VALVE

AN UL LISTED, ELECTRIC GAS VALVE (NIC) SHALL BE PROVIDED WHEN AN ELECTRICAL METHOD OF GAS LINE SHUTOFF IS REQUIRED FOR INDOOR APPLICATIONS. THE GAS VALVE SHALL INCORPORATE AN ELECTRIC SNAP-ACTION SWITCH AND A MANUAL RESET RELAY WITH ITS ELECTRIC CIRCUIT FOR 110 VAC, 50/60 HZ OR 24 VAC, 50/60 HZ. IN 24 VAC APPLICATIONS. A TRANSFORMER WITH THE APPROPRIATE VOLTAGE RATING SHALL BE PROVIDED. THE GAS VALVE SHALL BE CONSTRUCTED OF ALUMINUM WITH AN OPERATING TEMPERATURE RANGE OF 32°F TO 120°F (0°C TO 49°C).

ELECTRIC SWITCH

AN UL LISTED, ELECTRIC SNAP-ACTION SWITCH (NIC) SHALL BE PROVIDED TO SHUTOFF ELECTRICAL POWER TO APPLIANCES, OR TO ACTIVATE ELECTRICALLY OPERATED DEVICES, DEPENDING ON THE APPLICATION, THE SWITCH SHALL BE EITHER SINGLE-POLE, DOUBLE THROW; DOUBLE-POLE, DOUBLE-THROW; OR FOUR-POLE, DOUBLE-THROW. THE SWITCH SHALL HAVE A RATING OF 15 AMPS, 1/3 HP, 125 OR 250 VAC WITH 5 AMPS AT 125 VAC "L," 112 AMP AT 125 VDC, OR 1/4 AMP AT 250 VDC. A RELAY SHALL BE SUPPLIED IF THE EQUIPMENT LOAD EXCEEDS THE RATED CAPACITY OF THE SWITCH.

PRESSURE SWITCH

A UL LISTED, PNEUMATICALLY OPERATED SWITCH (NIC) SHALL BE PROVIDED TO SHUTOFF ELECTRICAL POWER TO APPLIANCE, OR TO ACTIVATE ELECTRICALLY OPERATED DEVICES. THE SWITCH SHALL BE CONNECTED TO THE RELEASE MECHANISM CARTRIDGE RECEIVER UTILIAING 1/8 IN. COPPER TUBING AND FITTINGS. DEPENDING ON THE APPLICATION, THE SWITCH SHALL BE SINGLE-POLE, DOUBLE-THROW OR DOUBLE-POLE, DOUBLE-THROW. THE SWITCH SHALL HAVE A RATING OF 20 AMPS - 125, 250, OR 480 VAC WITH 10 AMPS AT 125 VAC "L," 1 HP-115 VAC, 2 HP230 VAC; 1/2 AMP SY 125 VDC; OR 1/4 AMP AT 250 VDC. A RELAY SHALL BE SUPPLIED IF THE EQUIPMENT LOAD EXCEEDS THE RATED CAPACITY OF THE SWITCH.

FEATURES

* FAST FLAME KNOCK-DOWN AND SECUREMENT OF GREASE-RELATED FIRES
* PROVIDES A COOLING EFFECT WHICH FURTHER ENHANCES ITS ABILITY TO PREVENT R811S8H.
* DESIGNED FOR A WIDE VARIETY OF RESTARANT HAZARDS
* LISTED BY UNDERWRITERS LABORATORIES, INC. (UL) AS PART OF THE R-102 RESTAURANT SYSTEM
* EASE OF RECHARGE AND POST-FIRE CLEANUP

WET CHEMICAL R-102

APPLICATION

ANSUL R-102 SYSTEMS ARE PRE-ENGINEERED WET CHEMICAL FIXED NOZZLE PIPED SYSTEMS FOR PROTECTION OF KITCHEN COOKING AND VENTILATING EQUIPMENT. ALL ANSUL R-102 SYSTEMS HAVE BEEN TESTED AND LISTED IN ACCORDANCE WITH UNDERWRITERS' LABORATORIES STANDARD AND MEET THE PROVISIONS OF NATIONAL FIRE PROTECTION ASSOCIATION'S "STANDARD FOR THE INSTALLATION OF EQUIPMENT FOR THE REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT," N.F.P.A. NO. 96, UL 300 LISTING.

TYPICAL APPLICATIONS INCLUDE PROTECTION FOR:

VENTILATING HOODS
VENTILATING DUCTS
FRYERS
GRIDDLES
RANGE TOPS
CHAR-BROILERS
UPRIGHT BROILERS

IF FIRE OCCURS, HEAT SENSITIVE FUSIBLE LINK DETECTORS ACTUATE A RELEASE WHICH PUNTURES A CO2 CAETRIDGE. WET CHEMICAL IS FORCED THROUGH DISTRIBUTION PIPING AND OUT NOZZLES MOUNTED IN PLENUM(S), EXHAUST DUCT(S) AND OVER COOKING APPLIANCES. UPON DISCHARGE THROUGH THE NOZZLES, THE WET CHEMICAL "FLOODS" THESE AREAS AND EXTINGUISHED THE FIRE.

SUGGESTED ARCHITECTURAL SPECIFICATIONS

THE FIRE CONTROL SYSTEM SHALL BE THE WET CHEMICAL PRE-ENGINEERED, PIPED, FIXED NOZZLE TYPE MANUFACTURED BY THE ANSUL COMPANY. IT SHALL BE SPECIFICALLY UL LISTED FOR THE HAZARD AND INSTALLED IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION STANDARD NO. 96 (LATEST REVISION), "STANDARD FOR THE INSTALLATION OF EQUIPMENT FOR THE REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT" AND CONFORM TO ALL LOCAL AND/OR STATE CODES AND STANDARDS.

THE DESIGN OF THE SYSTEM SHALL PROVIDE FOR PROTECTION OF DUCT SYSTEMS, GREASE REMOVAL DEVICES AND HOODS. COOKING EQUIPMENT SUCH AS FAT FRYERS, RANGES, GRIDDLES AND BROILERS, WHICH MAY BE A SOURCES OF IGNITION OF GREASE IN THE HOOD OR DUCT SHALL ALSO BE PROTECTED. ALL SOURCES OF FUEL AND HEAT TO THE COOKING EQUIPMENT SHALL BE AUTOMATICALLY SHUT OFF UPON OPERATION OF THE SYSTEM.

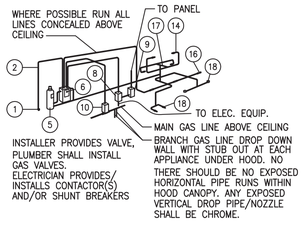
THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC (CONNECTED TO A SUITABLY LISTED SYSTEM OF DETECTION AND ACTUATION) AND MANUAL MECHANICAL OPERATION.

TYPICAL SYSTEM ACCESSORY OPTIONS

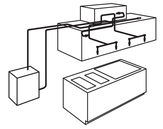
1. REMOTE MANUAL PULL STATION
2. PULLEY ELBOW
3. ALARM
4. FUSIBLE LINK DETECTOR
5. R-102 WET CHEMICAL STORAGE CHAMBER
6. ANSUL AUTOMAN RELEASE
7.
8. CONTACTOR BY ELEC.
9. ELEC. POWER SOURCE
10. MECHANICAL GAS SHUT-OFF VALVE (PLUMBER TO SIZE AND INSTALL)
11.
12.
13.
14. DUCT NOZZLE
15. DISTRIBUTION TEE (SPECIAL)
16. PLENUM NOZZLE
17. TEE, 1/2
18. CYCLONE NOZZLE, APPLIANCE

NOTE:

INSTALLING CONTRACTOR SHALL SUBMIT PLAN LAYOUT OF NOZZLES TO FIRE DEPARTMENT FOR REVIEW/APPROVAL AND OBTAIN REQUIRED PERMIT PRIOR TO INSTALLATION. HE SHALL PERFORM REQUIRED FIELD TEST OF EQUIPMENT INSTALLATION FOR FIRE INSPECTOR.



TYPICAL R-102 PROTECTING DEEP FAT FRYERS, GRIDDLES, HOOD AND DUCT



DEFERRED APPROVAL ITEM-SUPPLIER TO SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION

FIRE SUPPRESSION SYSTEM ALL GAS COOKING EQUIPMENT

9 — 1 FS7

GENERAL SPECIFICATIONS MODEL R-102

METAL

STAINLESS STEEL *
BLACK IRON PIPE *
BRASS
COPPER
ALUMINUM
GALVANIZED PIPE

AGENT EFFECTS

DOES NOT ATTACK
DOES NOT ATTACK, CLEANS SURFACES
WILL STAIN WITH PRO-LONGED CONTACT
WILL STAIN WITH PRO-LONGED CONTACT
ATTACKS
ATTACKS GALVANIZED COATING

* **ACCEPTABLE DISTRIBUTION PIPIING; ALSO CHROME-PLATED.**

APPROVALS AND LISTINGS

ANSULEX LIQUID FIRE SUPPRESSANT HAS BEEN TESTED, AND IS LISTED WITH UNDERWRITERS LABORATORIES, INC. (EX-3470) AS PART OF THE ANSUL R-102 RESTAURANT FIRE SUPPRESSION SYSTEM.

ORDERING INFORMATION

ANSULEX LIQUID FIRE SUPPRESSANT IS AVAILABLE IN THREE GALLON (11.4L) SEALED CONTAINERS UNDER PART NO. 57670. RECHARGE SERVICES ARE AVAILABLE FROM AUTHORIZED ANSUL DISTRIBUTORS.

ANSUL IS A REGISTERED TRADEMARK AND ANSULEX IS A TRADEMSRK.

APPLICATION

ANSULEX LIQUID FIRE SUPPRESSANT IS DESIGNED FOR USE ONLY IN ANSUL R-102 RESTAURANT FIRE SUPPRESSION SYSTEMS. THIS "LIQUID" AGENT WILL COMBAT GREASE-RELATED FIRES AS FOUND IN RESTAURANT APPLIANCES AND VENTILATING EQUIPMENT. IT SHOULD NOT BE USED FOR FIRES INVOLVING ENERGIZED ELECTRICAL HAZARDS.

DESCRIPTION

ANSULEX LIQUID FIRE SUPPRESSANT IS A SPECIALLY FORMULATED, AQUEOUS SOLUTION OF POTASSIUM CARBONATE AND POTASSIUM ACETATE. THE AGENT IS PRE-MIXED, ELIMINATING THE NEED FOR DILUTION BEFORE SYSTEM CHARGING. WHEN USED AS AN EXTINGUISHING AGENT, IT WILL PRODUCE NO TOXIC BY-PRODUCTS.

AGENT PROPERTIES

APPEARANCE	COLOR-CODED
STORAGE LIFE	PINK 10 YEARS
REFRACTIVE INDEX.	1.4029
FREEZE POINT	24° F(-31°C)
BOILING POINT	220°F (104°C)
HEAT CAPACITY	66 CAL/GM
SURFACE TENSION	70 DYNES/CM
VAPOR PRESSURE	11.8 MM HG
SPECIFIC GRAVITY	1.44
KINEMATICS VISCOSITY	4.55 CENTISTOKES

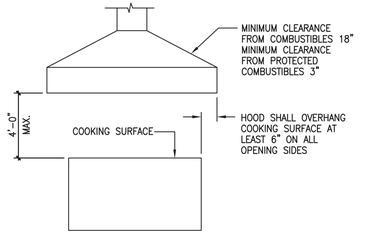
WARNING:

AS IS THE CASE WITH OTHER PRODUCTS, WHICH ARE ALKALINE IN NATURE, CARE SHOULS BE TAKEN WHEN HANDING THE LIQUID. IF CONTACT IS MADE WITH THE EYES OR SKIN, FLUSH WITH WATER. IF THE AGENT IS SWALLOWED, DILUTE WITH WATER OR MILK AND CONTACT A PHYSICIAN. PERFORMANCE.

WHEN USED IN THE ANSUL R-102 RESTAURANT SYSTEM, ANSULEX LIQUID AGENT IS EXTREMELY EFFECTIVE ON FIRES IN RESTAURANT VENTILATING EQUIPMENT - HOODS AND DUCTWORK, AS WELL AS IN A VARIETY OF COOKING APPLIANCES - DEEP - FAT FRYERS, GRIDDLES, RANGE TOPS, AND SEVERAL TYPES OF BROILERS AND CHAR-BROILERS.

AS THE AGENT IS SPRAYED IN FINE DROPLETS (ATOMIZED) ONTO AN APPLIANCE GREASE FIRE, IT PROVIDES EXCELLANT FLAME KNOCKDOWN, SURFACE-COOLING, AND FIRE-SECURING CAPABILITIES. WHEN THE AGENT REACTS WITH THE HOT GREASE, IT FORMS A LAYER OF FOAM ON THE SURFACE OF THE FAT. THIS SOAP-LIKE BLANKET OF FOAM ACTS AS AN INSULATOR BETWEEN THE HOT GREASE AND THE ATMOSPHERE, HELPING TO PREVENT FLAMMOBLE VAPORS FROM ESCAPING AND REDUCING THE CHANCE FOR FLAME REIGNITION.

POST-FIRE CLEANUP CAN BE READILY ACCOMPLISHED BY FLUSHING THE AREA WITH WATER OR STEAM. BECAUSE OF THE COMPOSITION OF ANSULEX LIQUID FIRE SUPPRESSANT, FLUSHING OF THE AGENT DISTRIBUTION PIPING IS NOT REQUIRED WHEN PROPER PIPING IS USED. SEE CORROSION CHART BELOW:



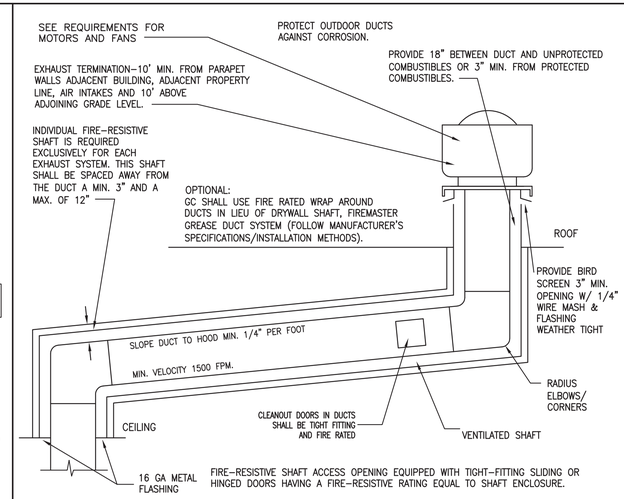
FOR REFERENCE & GENERAL INFORMATION

GENERAL-FOR ALL HOODS

1. IF GUTTERS ARE PROVIDED THEY SHALL DRAIN TO AN ACCESSIBLE RECEPTACLE
2. SEE CODE FOR MINIMUM DISTANCE BETWEEN LOWER EDGE OF GREASE FILTER AND THE COOKING OR HEATING SURFACE
3. GREASE FILTERS SHALL BE INSTALLED IN FRAMES OR HOLDERS WITH HANDLES AND BE READILY REMOVABLE FOR CLEANING
4. ALL JOINTS AND SEAMS SHALL BE GREASE TIGHT-USE SOLDER ONLY FOR SEALING JOINT AND SEAMS.
5. HOODS SHALL BE SECURELY FASTENED IN PLACE BY NON COMBUSTIBLE SUPPORTS.
6. TYPE I HOOD #6 ALSO REQUIRE APPROVED FIRE-EXTINGUISHING SYSTEM #9 FOR DUCTS, GREASE REMOVAL DEVICES, HOODS AND COOKING EQUIPMENT.
7. HOOD MANUFACTURER TO VERIFY SIZE OF ALL COOKING EQUIPMENT AND ARRANGE-MENT IN ORDER TO VERIFY OVERALL SIZE AND MAINTAIN 6" OVERHANG.
8. ALL CONTRUCTION SHALL BE IN COMPLIANCE WITH NFPA 96 WITH CONSTRUCTION STAINLESS STEEL TYPE 302-304 #4 FINISH. 18 GA MIN. CONTINUOUSLY WELDED.
9. FURNISH GREASE FILTER HOUSING A LONG FULL LENGTH OF CANOPY AT BACK FURNISH STAINLESS STEEL U.L. LISTED FILTER. INSTALLED ON NOT LESS THAN 45 ANGLE FULL LENGTH. FILTERS TERMINATE AT BOTTOM PITCHED DRIP TRAY.
10. FSC SHALL SUPPLY/INSTALL HOOD; MECHANICAL CONTRACTOR TO INSTALL FANS, DUCTS, CURBS. ELECTRICIAN TO PROVIDE ALL POWER. DISCONNECT SWITCH CONTROLS ETC. GENERAL CONTRACTOR TO PROVIDE DRY WALL SHAFT.
11. HOOD PERMIT BY OTHERS. FIRE SUPPRESSION CONTRACTOR DOES NOT CONNECT TO LIFE SAFETY SYSTEMS

HOOD SPECIFICATION 6 39

NOT TO SCALE, FOR REFERENCE SEE HOOD SHOP DWG — 2 FS7



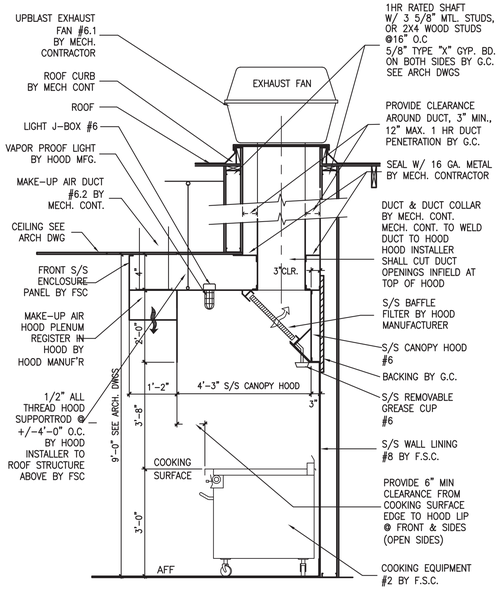
WHEN DUCT LENGTH EXCCEEDS 75 FEET, SLOPE 1" PER FOOT.

GENERAL

1. NO VIBRATION ISOLATION CONNECTORS SHALL BE INSTALLED UNLESS ACCEPTABLE TO DEPARTMENT
2. PROVIDE ADEQUATE CLEANOUT OPENINGS FOR THOROUGH CLEANING OF DUCT SYSTEM.
3. PROVIDE ADEQUATE MAKE-UP AIR FOR PROPER OPERATION. LOCATE 10 FT. MIN. FROM PLUMBING VENTS, EXH. FANS, ETC.
4. PROVIDE A SEPARATE DUCT SYSTEM FOR EACH HOOD.
5. THICKNESS OF DUCTS SHALL BE NO. 16 MANUFACTURER'S STANDARD GAGE STEEL, OR NO. 18 MANUFACTURER'SSTANDARD GAGE STAINLESS STEEL.
6. WELD OR BRAZE ALL DUCT JOINTS AND SEAMS ON THE EXTERNAL SURFACE. NO NUTS, BOLTS & RIVETS IN DUCT OR HOOD NO NUTS, BOLTS, RIVETS IN DUCTS OR HOOD.
7. SUPPORT THE DUCTS AS REQUIRED BY TABLE NO. A6-5. DO NOT PENETRATE DUCT WALLS WITH SCREWS, NAILS, ETC.
8. SECTIONS OF DUCT SHALL NOT CONTAIN GREASE POCKETS.
9. SUPPLIER/INSTALL OF EXH/MUA FANS TO PROVIDE AIR BALANCE REPORT TO HEALTH AND BUILDING DEPARTMENTS.

EXHAUST SHAFT/DUCT SPECIFICATION FOR REFERENCE

FOR REFERENCE-SEE MECH DWGS FOR DUCTWORK DESIGN/ROUTING — 3 FS7

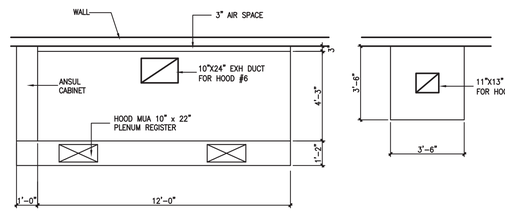


NOTE:
HOOD DESIGN REQUIRES AJACENT CEILING REGISTERS IN CEILING FOR MAKE UP AIR.
MECH. CONTRACTOR TO SIZE, LOCATE REGISTERS FOR DRAFT FREE & EVEN DISTRIBUTION.

HOOD SECTION 6

4 FS7

	ITEM NO./HOOD TYPE	6 CANOPY TYPE I, HOOD ACCUREX XBEW-144-S	39 CANOPY TYPE II, HOOD ACCUREX XD1
HOOD INFORMATION	HOOD DIMENSION	SIZE: 4'-6" X 12'-0" OPEN AREA = 4'-3" X 12'-0"	SIZE: 3'-6" X 3'-6" OPEN AREA = 3'-6" X 3'-6"
	DISTANCE BETWEEN HOOD AND COOKING SURFACE	3'-6"	3'-6"
	HOOD EXTENSION OVER COOKING SURFACE	FRONT: 12" LEFT: 6" RIGHT: 6" BACK: 3" AIR SPACE (WALL)	FRONT: 6" LEFT: 6" RIGHT: 6" BACK: (WALL)
	EXHAUST CFM FORMULA	UL LISTED 200 CFM/FT, DESIGN @ 212 Q = 12' X 212 = 2546 CFM	UL LISTED 150 CFM/FT, DESIGN @ 150 Q = 3.5' X150 = 525 CFM
EXHAUST AIR REQUIREMENTS	CFM VOLUMNE	2546 CFM	525 CFM
	EXHAUST AIR VELOCITY	1528 FPM	530 FPM
	MFR. / MODEL NO. EXHAUST FAN	6.1 SEE MECH DWGS EF-3 GREENHECK VK-H-12-11	40 SEE MECH DWGS EF-4 GREENHECK CUE-085-VG
	HOOD COLLAR	10" X 24" = 240 SQ IN = 1.67 SQ FT	11" X 13" = 143 SQ IN = 0.99 SQ FT
	QTY./TYPE HOOD FILTERS	S/S BAFFLE WITH HANDLES FILTERS 4 - 16" X 20" @ 1.35 SQ FT EA 4 - 20" X 20" @ 1.73 SQ FT EA	NO FILTERS REQ'D
SUPPLY AIR REQUIREMENTS	CFM VOLUMNE (90-100% OF EXHAUST)	2051 CFM @ HOOD PLENUM REGISTER	-
	SUPPLY REGISTER TYPE / LOCATION	HOOD PLENUM MUA REFISTER	FROM GENERAL ROOM SUPPLY
	MFR. / MODEL NO.	6.2 SEE MECH DWGS MUA-1 GREENHECK IGX-110-H12	-



HOOD PLAN 6 39

3/8"=1'-0" — 5 FS7

LDA partners LLP
lesovsky-donaldson-zagaroli-wohle
member american institute of architects

Architect:
LDA Partners, LLP
4 South Central Court
Stockton, CA 95204

209.943.0405
www.ldapartners.com

Consultant:

East Bay Restaurant Supply, Inc. since 1984
Kitchen Design Consultants
49 FOURTH STREET OAKLAND, CA 94607 (510) 465-4300 FAX (510) 465-3521

Client:
McKinleyville Community Services District

Project:
McKinleyville, CA

Teen Center

Project No.: 635-1-12 EBRS: 5231
Drawn By: TQ
Checked By: JR

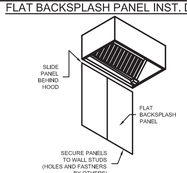
No.	Description	Date	By
	BID SET	1 OCTOBER 2014	

PERMIT SET
September 15, 2014

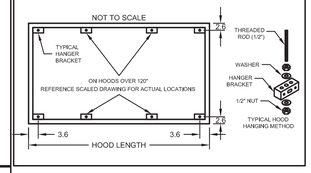
HOOD DATA
FIRE SUPPRESSION SYSTEM

FS7

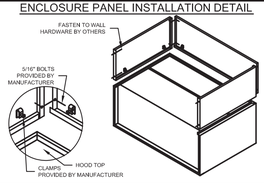
FLAT BACKSPLASH PANEL INST. DETAIL



HOOD HANGER BRACKET DETAIL



ENCLOSURE PANEL INSTALLATION DETAIL



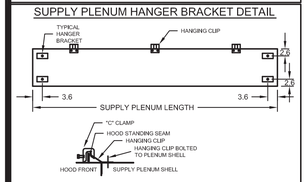
HOOD HANGING HEIGHT FOR FIRE SYSTEMS

VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

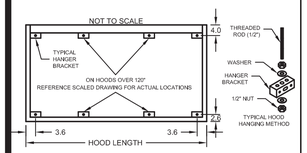
☐ RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.

☐ OTHER HANGING HEIGHT = _____" FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.

SUPPLY PLENUM HANGER BRACKET DETAIL



HOOD HANGER BRACKET DETAIL



GENERAL DRAWING NOTES

Verify building entry conditions or limitations for equipment access to space.

Verify type and height of finished ceiling and if hood(s) may extend above finished ceiling (if required).

Seismic installation and bracing of equipment is by others. Accurex will not accept liability for problems that result from sub-standard installation. Including field electrical wiring that deviate from supplied diagrams, jobsite conditions (ductwork, fuel types and structural conditions) that Accurex has not been notified of at the time of ordering. Or use of this equipment other than that for which it is designed.

It is the responsibility of the purchaser to hire qualified personnel for installation and start-up of all equipment. Installation and start-up information is shipped with all equipment via the Installation, Operation and Maintenance Manual (IOM), also included is a troubleshooting guide. Have all start-up info available prior to any warranty claims and/or factory technical support.

VENTILATION SYSTEM NOTES

Accurex ventilators are designed in compliance with all national codes: NFPA # 96, national electric code and IBC, uniform mechanical code, and international mechanical code. See national evaluation report #436 for allowable values, and/or conditions of use concerning material presented in this document. Local codes may vary. It is the responsibility of the purchaser to submit drawings to local authorities.

Exhaust and supply air volumes are to be maintained within −5% to +10% tolerance of values indicated. Static pressure(s) indicated are for the ventilator at the duct connection(s) only.

The grease filter face velocities are based on the filter manufacturers recommendations for maximum greaseextraction. Inlet opening air velocities for waterwash, dry cartridge and high velocity cartridge filters manufactured by Accurex are designed to deliver maximum grease extraction.

Hoods installation (by others unless otherwise noted) shall be in accordance with NFPA # 96 and applicable building codes.

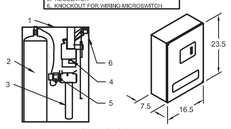
PROPRIETARY INFORMATION NOTICE

This document is and contains confidential trade secret information of the company and remains property of the company and is to be returned upon request. Neither it nor information is contains may be reproduced or disclosed to persons not having a need-to-know consistent with the purpose of the loan document without written permission.

ANSUL R102 (WET CHEMICAL) FIRE PROTECTION SYSTEM - MODEL FSSC

CONTROL PANEL

1. STAINLESS STEEL ENCLOSURE
2. AGENT STORAGE TANK
3. EXPELLENT GAS CARTRIDGE
4. ANSUL AUTOMAN RELEASE
5. REGULATOR
6. KNOCKOUT FOR WIRING MICROSWITCH



NOT TO SCALE

NOTES:

Wet chemical fire protection system to be Ansul R-102, designed in compliance with UL 300 requirements.
-Verification of all cooking equipment make, model and location required for all fire protection systems.
-All fire system piping is standardly to the right end of the hood unless a wall is located on the right end.
-Ansul Automan Release to be located within 60" of hood.

The basic fire system will include the following:
-Gas shut-off valve, If required, to be supplied by Manufacturer (up to 2" diameter as standard), and installed by a licensed plumber.
-Micro switch to be supplied by Manufacturer for connection to, but not limited to, building alarm system(s), exhaust and supply fans and electrical power shut down, Field wiring and connections to be performed by a licensed electrician.

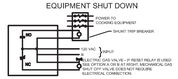
The basic fire system does NOT include the following:
-Full dump test other than what is specified per the Installation manual, or to satisfy a state or local code, Permit and testing fees are not included unless noted under the equipment schedule for the fire system,
-More then two trips to the jobsite or special transportation, or overnight lodging requirements in remote areas. Normal travel distance is first 50 mi. (80.5 km) from office.
- Special classes or additional labor for access to security sensitive areas.
-Installation of gas shut-off valve.
-Special drawings required to satisfy state or local code. Plan examination fees, PE or FS Approval Stamp.
-Union labor, Government labor, or Prevailing wages required for final field hook-up.
-Any and all electrical components/connections required to shut down fans, shut off device for electric cooking equipment (shunt trip breaker), or activate an alarm system, etc.
-Any dismantling or reassembly required to gain access to the fire suppression piping located on the top of the hood.
-Rough-in hidden conduit for remote pull station or gas valve (flush mounted pull station).
-Installation of more than (1) remote pull stations or distances greater than 20 ft (6.1M.).
-Parts or labor required to correct piping due to cooking equipment changes or deviation from plans. OR Any charges for missing or additional parts other then those indicated on the Fire Suppression Detail.

WIRING DIAGRAMS W/DPDT MICRO SWITCH

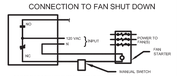
DPDT SWITCHES PROVIDED BY MANUFACTURER MAY BE WIRED PER TYPICAL EXAMPLES SHOWN, VERIFY WITH LOCAL CODES AND EQUIPMENT SUPPLIED AS THE CONNECTION NEEDED FOR YOUR INSTALLATION.

CONNECTION TO BUILDINGS ALARM

CONNECTION TO COOKING EQUIPMENT SHUT DOWN

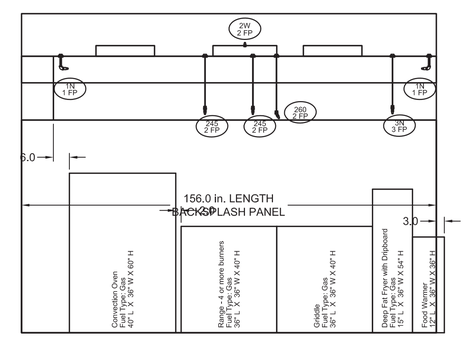


CONNECTION TO FAN SHUT DOWN

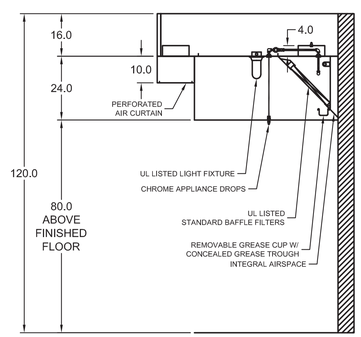


NOTES:
1. ——— DENOTES FIELD INSTALLATION.
2. - - - - DENOTES FACTORY INSTALLATION.
3. DO NOT USE BLACK WIRE ON SNAP-ACTION SWITCH IN NORMAL INSTALLATION. BLACK WIRE TO BE USED ONLY FOR EXTRANEOUS ALARM, LIGHT CIRCUITS, ETC.

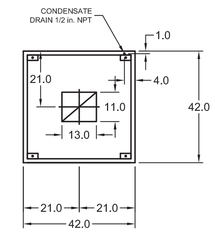
MARK: Item 6 - SECTION 1
PLAN VIEW



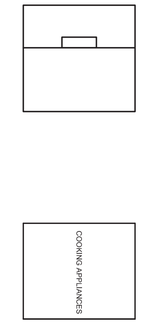
MARK: Item 6 - SECTION 1
ELEVATION VIEW



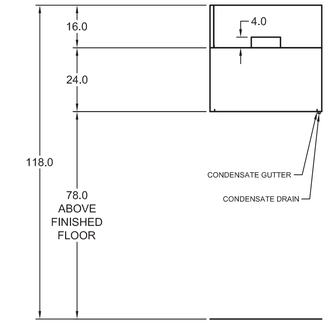
MARK: Item 6
SECTION VIEW



MARK: Item #39 - SECTION 1
PLAN VIEW



MARK: Item #39 - SECTION 1
ELEVATION VIEW



MARK: Item #39
SECTION VIEW

EQUIPMENT SCHEDULE

TYPE 1 KITCHEN HOOD — MARK: ITEM 6

HOOD NO.	ACCUREX MODEL STYLE / CONFIGURATION	HOOD DIMENSIONS: SECTION LENGTH	WIDTH	HEIGHT	GREASE CUP OR DRAIN	HOOD TEMP. RATING	TOTAL WEIGHT	SECTION LOCATION
1	XBEW-144-S SINGLE WALL EXHAUST ONLY WALL CANOPY	144 IN.	54 IN.	24 IN.	RIGHT	600 DEG F.	456 LBS.	SINGLE

HOOD NO.	ILLUMINATION DETAILS: FIXTURE TYPE BULB / LAMP INFO	QTY	INTENSITY FT CANDLES	GREASE FILTRATION DETAILS: TYPE / MODEL MATERIAL	QTY	LENGTH	HEIGHT
1	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	4	43.67 / 36 IN. OC	BAFFLE STAINLESS STEEL	4 4	16 IN. 20 IN.	20 IN.

HOOD SECTION # COLLAR #	EXHAUST PLENUM COLLARS: DISTANCE TO END (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / 1	72	10	24	NA	2546	0.396	1528
TOTAL EXHAUST CFM - SECTION 1					2546	=	212 CFM / FT

HOOD SECTION # PLENUM LOCATION COLLAR #	EXTERNAL SUPPLY PLENUM COLLARS: DISTANCE TO END (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / FRONT / 1	39	10.00	22.00	NA	1026	0.1123	672
1 / FRONT / 2	117	10.00	22.00	NA	1026	0.1123	672
TOTAL SUPPLY CFM - SECTION 1 - FRONT AIR CURTAIN SUPPLY (ASP) PLENUM					2051	=	158 CFM / FT

OPTIONS AND ACCESSORIES

430 18 GAUGE STAINLESS STEEL WHERE EXPOSED
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
BACK INTEGRAL AIR SPACE - 3 IN WIDE
16 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED
FACTORY MOUNTED EXHAUST COLLAR(S)
LEFT UTILITY CABINET 24 IN HIGH 54 IN LONG 12 IN WIDE
BACKSPLASH 80.00 IN HIGH 156.00 IN LONG
INCLUDES PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH
STAINLESS STEEL FINISH FOR HIGH CORROSION RESISTANCE

FIRE SUPPRESSION SYSTEM — MARK: ITEM #9

MANUFACTURER / MODEL SUPPRESSANT TYPE	FLOW POINTS	SUPPLY LINE	DETECTION	MOUNTING
ANSUL, R-102 WET CHEMICAL	13 UTILIZED 16 AVAILABLE	CONTINUOUS	FUSIBLE LINK	LEFT END UTILITY CABINET ON HOOD

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
SUPPRESSION AGENT - INCLUDED - 4.5 GAL - ([1) 1.5, (1) 3.0 TANK(S)]
GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2 IN. (ANSUL) - PART# 55610
REMOTE PULL STATION - STANDARD - INSTALLATION AT SINGLE POINT OF EGRESS
METAL BLOW-OFF CAPS - INCLUDED
K-CLASS PORTABLE FIRE EXTINGUISHER - QTY OF 1

FIRE SYSTEM PROTECTED HOOD(S) (UL-300) (MARK NAME / SECTION#)

ITEM 6 SECTION 1 - (LENGTH 144.0 IN.)

TYPE 2 KITCHEN HOOD — MARK: ITEM #39

HOOD NO.	ACCUREX MODEL STYLE / CONFIGURATION	HOOD DIMENSIONS: SECTION LENGTH	WIDTH	HEIGHT	GREASE CUP OR DRAIN	HOOD TEMP. RATING	TOTAL WEIGHT	SECTION LOCATION
1	XD1-42-S CONDENSATE HOOD - NO BAFFLE	42.0 IN.	42 IN.	24 IN.	RIGHT	NA	112.0 LBS.	NA

HOOD SECTION # COLLAR #	EXHAUST PLENUM COLLARS: DISTANCE TO END (IN.)	WIDTH (IN.)	LENGTH (IN.)	DIAMETER (IN.)	VOLUME (CFM)	S.P. (IN. WC)	VELOCITY (FT/MIN)
1 / 1	21	11	13	NA	525	0.034	529
TOTAL EXHAUST CFM - SECTION 1					525.0	=	150.0 CFM / FT

OPTIONS AND ACCESSORIES

430 18 GAUGE STAINLESS STEEL 100% CONSTRUCTION
16 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED
FACTORY MOUNTED EXHAUST COLLAR(S)

Your Accurex Contact:

Kevin McPeters
Culinaire Systems Inc
Phone (916) 802-5049
kevin@culinairesystems.com

Thank you for your interest in Accurex

CONSTRUCTION COMPLIES WITH NFPA 96

SUBMITTAL

Please return one approved print to your Accurex Representative including signature, date, and answers to all submittal "verify" notes and questions. Fabrication will not begin until after approved drawings are received.

☐ APPROVED AS SUBMITTED
☐ APPROVED AS NOTED
☐ REJECTED – REVISE AND RESUBMIT

SIGNATURE DATE

REV	DESCRIPTION	DATE
	BID SET 1 OCTOBER 2014	

ACCUREX

DRAWN BY: GNH
DATE: 05/23/2014
APPROVED BY:
SCALE: 1/24
JOB NUMBER NO: C29765

TITLE: MCKINLEYVILLE TEEN CENTER