INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL AND LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

ABBREVIATIONS

AC	ASPHALT CONCRETE	GA	GAUGE	RGTR	REGISTER
ACOUS	ACOUSTICAL	GALV	GALVANIZED	REINF	REINFORCED
AD	AREA DRAIN	GB	GRAB BAR	REQ'D	REQUIRED
ADJ	ADJUSTABLE	GL	GLASS / GLAZING	RESIL	RESILIENT
AFF	ABOVE FINISH FLOOR	GND	GROUND	RHWS	ROUND HEAD WOOD SCREW
AGGR	AGGREGATE	GR	GRADE	RM	ROOM
AL	ALUMINUM	GYP	GYPSUM	RO	ROUGH OPENING
APPROX	APPROXIMATE	GYP.BD	GYPSUM BOARD	RWD	RED WOOD
ARCH	ARCHITECTURAL			RWL	RAIN WATER LEADER
ASPH	ASPHALT				
		HB	HOSE BIB	S	SOUTH
BD	BOARD	HC	HOLLOW CORE	SC	SOLID CORE
BLDG	BUILDING	HDWD	HARDWOOD	SCD	SEAT COVER DISPENSER
BLK	BLOCK	HDWR	HARDWARE	SCHED	SCHEDULE
BLKG	BLOCKING	HM	HOLLOW METAL	SD	SOAP DISPENSER
BM	BEAM	HORIZ	HORIZONTAL	SECT	SECTION
BOT	BOTTOM	HR	HOUR	SH	SHELL
		HT	HEIGHT	SHR	SHOWER
CAB	CABINET			SHT	SHEET
CB	CATCH BASIN	ID	INSIDE DIMENSION	SIM	SIMILAR
CEM	CEMENT	INSUL	INSULATION	SND	SANITARY NAPKIN DISPENSER
CP	CEMENT PLASTER	INT	INTERIOR	SNR	SANITARY NAPKIN RECEPTACLE
CL	CAST IRON			SPEC	SPECIFICATION
CG	CORNER GUARD	JAN	JANITOR	SQ	SQUARE
CLG	CEILING	JT	JOINT	SS	STAINLESS STEEL
CLKG	CAULKING			S.SK	SERVICE SINK
CLR	CLEAR			STA	STATION
CMU	CONCRETE MASONRY UNIT	LAB	LABORATORY	STD	STANDARD
COL	COLUMN	LAM	LAMINATE	STL	STEEL
CONC	CONCRETE	LAV	LAVATORY	STOR	STORAGE
CONN	CONNECTION	LKR	LOCKER	STRL	STRUCTURAL
CONSTR	CONSTRUCTION	LT	LIGHT	SUP	SUSPENDED
CONT	CONTINUOUS	lbs	POUNDS	SV	SHEET VINYL
CT	CERAMIC TILE			SYM	SYMMETRICAL
CTSK	COUNTERSUNK	M OR MIR	MIRROR	TRD	TREAD
CNTR	COUNTER	MAT	MATERIAL	TB	TOWEL BAR
CTR	CENTER	MAX	MAXIMUM	TEL	TELEPHONE
		MECH	MECHANICAL	T&G	TONGUE & GROOVE
DBL	DOUBLE	MEMB	MEMBRANE	THK	THICK
DF	DRINKING FOUNTAIN	MFR	MANUFACTURER/ED	T.O.	TOP OF (W -WALL, C - CURB, P - PAVEMENT, PL - PLATE
DET	DETAIL	MH	MANHOLE		
DIA	DIAMETER	MIN	MINIMUM	TPD	TOILET PAPER DISPENSER
DIM	DIMENSION	MISC	MISCELLANEOUS	TV	TELEVISION
DISP	DISPENSER	MO	MASONRY OPENING	TYP	TYPICAL
DN	DOWN	MTD	MOUNTED		
DS	DOWNSPOUT	MTL	MATERIAL		
DWG	DRAWING	MUL	MULLION	UNF	UNFINISHED
				UON	UNLESS OTHERWISE NOTED
E	EAST	N	NORTH	UR	URINAL
EA	EACH	NIC	NOT IN CONTRACT	U/S	UNDER SIDE
EDF	ELECTRIC DRINKING FOUNTAIN	NO OR #	NUMBER		
EJ	EXPANSION JOINT	NOM	NOMINAL	VCT	VINYL COMPOSITION TYPE
EL	ELEVATOR	NTS	NOT TO SCALE	VERT	VERTICAL
ELEC	ELECTRICAL			VEST	VESTIBULE
ELEV	ELEVATOR				
EMER	EMERGENCY	O/	OVER	W	WEST
ENCL	ENCLOSURE	OA	OVERALL	W/	WITH
EP	ELECTRICAL PANEL BOARD	OC	ON CENTER	WC	WATER CLOSET
EQ	EQUAL	OD	OUTSIDE DIAMETER	WD	WOOD
EQPT	EQUIPMENT	OPNG	OPENING	W/O	WITHOUT
EXP	EXPANSION	OPP	OPPOSITE	WP	WATER PROOF
EXT	EXTERIOR			WR	WATER RESILIENT
		PRCST	PRE-CAST	WSCT	WAINSCOT
FA	FIRE ALARM	PL	PLATE	WT	WEIGHT
FD	FLOOR DRAIN	PLAM	PLASTIC LAMINATE	WWF	WELDED WIRE FABRIC
FDN	FOUNDATION	PLAS	PLASTER		
FE	FIRE EXTINGUISHER	PLYWD	PLYWOOD	&	AND
FEC	FIRE EXTINGUISHER CABINET	PR	PAIR	@	AT
FF	FINISH FLOOR	PT	POINT	℄	CENTERLINE
FHC	FIRE HOSE CABINET	PTD	PAPER TOWEL DISPENSER	℄	PROPERTY LINE
FHWS	FLAT HEAD WOOD SCREW	PTD/R	COMBINATION PAPER TOWEL DISPENSER & RECEPTACLE	#	POUND
FIN	FINISH			#	SQUARE FOOT (FEET)
FL	FLOOR	PTN	PARTITION	(e)	EXISTING
FLASH	FLASHING	PTR	PAPER TOWEL RECEPTACLE	(n)	NEW
FLUOR	FLUORESCENT			⌀	DIAMETER
FOC	FACE OF CONCRETE				
FOF	FACE OF FINISH	QT	QUARRY TILE		
FOS	FACE OF STUD				
FPRF	FIREPROOF				
FS	FULL SIZE	R	RISER		
FT	FOOT / FEET	RAD	RADIUS		
FTG	FOOTING	RD	ROOF DRAIN		
FURR	FURRING	REF	REFERENCE		
FUT	FUTURE	REFR	REFRIGERATOR		

SYMBOL LEGEND

- COLUMN LINES
- DOOR NUMBER
- WINDOW TYPE SKIP LETTERS "I" AND "O"
- REVISION NUMBER
- WORK POINT / CONTROL POINT OR DATUM POINT
- SECTION: SECTION IDENTIFICATION, SHEET WHERE SECTION IS DRAWN
- DETAIL: DETAIL IDENTIFICATION, SHEET WHERE DETAIL IS DRAWN
- INTERIOR ELEVATION: ELEVATION IDENTIFICATION (NO ARROW INDICATES ELEVATION NOT SHOWN), SHEET WHERE ELEVATION IS DRAWN
- ROOM IDENTIFICATION: ROOM NAME, ROOM NUMBER, ROOM SQUARE FOOTAGE, ROOM OCCUPANCY LOAD
- DIMENSIONS: DIMENSION TO CENTERLINE; DIMENSION TO FACE OF MATERIAL

CONSULTANTS

STRUCTURAL

BEVIER STRUCTURAL ENGINEERING INC.
CONTACT: JEFF KOVACH
2478 SUNRISE BLVD.
GOLD RIVER, CA 95670
PHONE: (916) 631-3030
FAX: (916) 631-8996

MECHANICAL/PLUMBING

THE McDERMOTT GROUP/VALLEY ENGINEERING CONSULTANTS
CONTACT: MICHAEL P. McDERMOTT
2101 FRANCISCO DRIVE, SUITE 140-451
EL DORADO HILLS, CA 95762
PHONE: (916) 933-5791 X 101
FAX: (916) 939-0125

ELECTRICAL

NORBERG ENGINEERING CO, INC.
CONTACT: BILL NORBERG
5060 ROBERT J MATHEUS PKWY #4
EL DORADO HILLS, CA 95762
PHONE: (916) 996-8322

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE STANDARDS OF THE 2016 ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE.
2. ALL WORK SHALL COMPLY WITH THE STANDARDS OF THE LATEST ADOPTED EDITION AND SUPPLEMENTS OF THE FOLLOWING STATE REGULATIONS, CODES AND AUTHORITIES (FOR PROJECTS LOCATED IN CALIFORNIA ONLY)
   A. 2016 CALIFORNIA BUILDING CODE, TITLE 24, PART 2, VOLUMES 1 AND 2 OF 2 CALIFORNIA BUILDING STANDARDS COMMISSION BARRIER FREE ACCESS FOR THE HANDICAPPED
   B. 2016 CALIFORNIA HISTORICAL BUILDING CODE TITLE 24 PART 8
   C 2016 CALIFORNIA EXISTING BUILDING CODE TITLE 24 PART 10
3. ALL WORK SHALL COMPLY WITH THE STANDARDS OF THE LATEST ADOPTED EDITIONS OF THE FOLLOWING:
   A) BUILDING INSPECTING DIVISION
   B) PLANNING AND DEVELOPMENT DEPARTMENT
   C) PUBLIC WORKS
   D) FIRE DEPARTMENT
4. ALL WORK SHALL COMPLY WITH THE STANDARDS OF THE LATEST ADOPTED EDITIONS OF THE FOLLOWING:
   A) 2016 CALIFORNIA ELECTRIC CODE (C.E.C.)
   B) 2016 CALIFORNIA MECHANICAL CODE (C.M.C.)
   C) 2016 CALIFORNIA PLUMBING CODE (C.P.C.)
   D) 2016 CALIFORNIA ENERGY CODE (C.E.C.)
   E) 2016 CALIFORNIA FIRE CODE (C.F.C.)
   F) 2016 CALIFORNIA GREEN BUILDING CODE (C.G.B.C.)
5. INFORMATION CONTAINED WITHIN THESE DOCUMENTS SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO REFERENCED CODES.
6. CONTRACTOR SHALL EXAMINE THE DOCUMENTS AND THE SITE AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES FOUND PRIOR TO THE START OF WORK.
7. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT PRIOR TO ANY EXCAVATING.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACES, SHORING AND GUY'S REQUIRED TO SUPPORT ALL LOADS TO WHICH THE STRUCTURE AND COMPONENTS, ADJACENT SOILS AND STRUCTURES, UTILITIES AND RIGHT OF WAYS MAY BE SUBJECT TO DURING CONSTRUCTION.
9. FLOOR AND WALL OPENINGS, SLEEVES , VARIATIONS IN THE STRUCTURAL SLAB EXCAVATIONS, DEPRESSED AREAS AND ALL OTHER REQUIREMENTS MAY BE COORDINATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
10. ALL DETAILS, SCHEDULES AND SPECIFICATIONS BOUND SEPARATELY ARE PART OF THE CONTRACT DOCUMENTS.
11. ITEMS MARKED N.I.C. ARE NOT IN CONTRACT. SUCH ITEMS ARE INCLUDED IN THE DOCUMENTS WHEN CONTRACTORS COORDINATION FOR CONSTRUCTION IN REQUIRED.
12. DIMENSIONS:
   A) IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON DRAWINGS.
   B) ALL DIMENSIONS ARE TO THE ROUGH UNLESS OTHERWISE NOTED.
   C) ALL DIMENSIONS TO STUD PARTITIONS ARE TO THE FACE OF FINISHED WALL UNLESS OTHERWISE NOTED.
   D) CEILING HEIGHT DIMENSIONS ARE FROM THE FINISHED FLOOR TO THE FINISHED FACE OF CEILING.
   E) ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO PROCEEDING WITH CONSTRUCTION.
13. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE.
14. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION OF THE PROJECTS.
15. DOOR OPENINGS NOT LOCATED BY DIMENSIONS SHALL BE CENTER IN THE WALL AS SHOWN OR SHALL BE LOCATED 4" FROM FINISHED WALL TO FINISHED JAMB.
16. A CHEMICAL TOILET IS REQUIRED ON-SITE DURING CONSTRUCTION.
17. CHANGES FROM THE APPROVED PLANS DURING THE COURSE OF CONSTRUCTION SHALL CAUSE CONSTRUCTION TO BE SUSPENDED UNTIL SUCH TIME AS THE PLANS CAN BE AMENDED BY THE DESIGNER AND SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.

DRAWING INDEX

SCOPE OF WORK:

HAMILTON CITY COMMUNITY HALL: CONSTRUCT (N) ACCESSIBLE PARKING SPACES WITH RAMPS TO ACCESS THE (E) FRONT AND REAR ENTRANCES / INTERIOR TENANT ALTERATION TO LOCATE A NEW WARMING KITCHEN / UPDATE THREE (E) RESTROOMS TO BE ACCESSIBLE (THE THIRD RESTROOM IS AN ADD ALTERNATE) / INSTALL A WHEELCHAIR LIFT TO PROVIDE ACCESSIBILITY TO THE (E) STAGE

CHESTER WALKER MEMORIAL LIBRARY: CONSTRUCT (N) ACCESSIBLE PARKING SPACE WITH CONCRETE WALKWAY TO ACCESS THE (E) FRONT ENTRANCE / INTERIOR TENANT ALTERATION TO REPLACE TWO (E) NON-ACCESSIBLE RESTROOMS WITH ONE ACCESSIBLE RESTROOM / INSTALL A NEW EGRESS DOOR

VICINITY MAP

NORTH

PROJECT DATA — HAMILTON COMMUNITY HALL — 2016 CBC

CONSTRUCTION TYPE:	TYPE V-B
FULLY SPRINKLERED:	NO
OCCUPANCY GROUP :	A-3
DESCRIPTION OF USE:	COMMUNITY HALL
USABLE AREA :	1600 SF (AREA OF WORK SPACE). ±2542 SF (ENTIRE BLDG.) by ARCHITECT'S GRAPHIC ESTIMATE
# OF STORIES :	(1) W/ BASEMENT
TOTAL OCCUPANCY LOAD:	265 (SEE FLOOR PLAN SHT. A2.2) (2) EXITS REQUIRED, (2) PROVIDED

PROJECT DATA — CHESTER WALKER MEMORIAL LIBRARY — 2016 CBC

CONSTRUCTION TYPE:	TYPE V-B
FULLY SPRINKLERED:	NO
OCCUPANCY GROUP :	A-3
DESCRIPTION OF USE:	LIBRARY
USABLE AREA :	±90 SF (AREA OF WORK SPACE). ±1,411 SF (ENTIRE BLDG.) by ARCHITECT'S GRAPHIC ESTIMATE
# OF STORIES :	(1)
TOTAL OCCUPANCY LOAD:	21 (SEE FLOOR PLAN SHT. A2.3) (1) EXITS REQUIRED, (2) PROVIDED

NOTE:
ALL BIDDERS ARE REQUIRED TO TOUR THE PROJECT SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS. BIDDERS ARE REQUIRED TO NOTIFY THE ARCHITECT 5 WORKING DAYS PRIOR TO BID, OF ANY DISCREPANCIES TO EXISTING CONDITIONS AND / OR DOCUMENTS IF NO COMMENTS ARE RECEIVED BY THAT TIME IT IS ASSUMED ALL MODIFICATIONS REQUIRED FOR THIS BUILD-OUT IS INCLUSIVE OF THE SUBMITTED BID.

C|H
calpo hom & dong
ARCHITECTS
&|D

principals
ALAN C. HOM C 16979
DENNIS DONG C 12163
ANDY C. KWONG C 26500
LOANGLE R. NEWSOME C 22048
associates
KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project
INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title
COVER SHEET

LICENSED ARCHITECT — ANDY C. KWONG — C-26,500 REN. 09/21 — STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

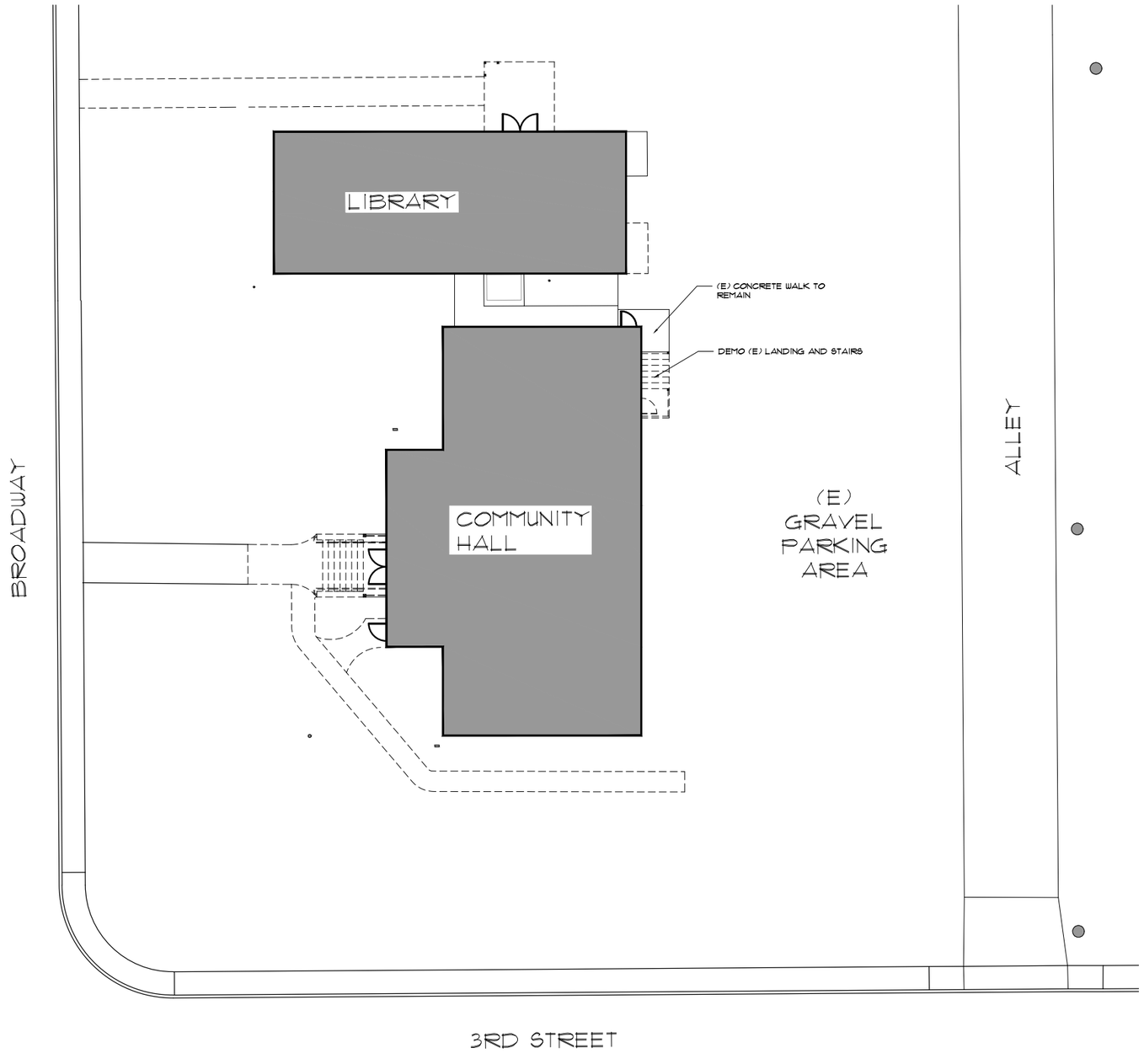
Author	
Checked By	JJ
Plotted	

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

Job No.	19136
Date	SEPTEMBER, 2019

Drawing No.
C5

OF SHEETS



(E) SITE PLAN - DEMOLITION

SCALE: 1:10

principals

ALAN C. HOM	C16979
DENNIS DONG	C12163
ANDY C. KWONG	C26500
LOANGLE R. NEWSOME	C22048

associates

KARIN RYLANDER	C33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

(E) SITE PLAN - DEMOLITION

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

[redacted] JJ

[redacted]

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

[redacted] 1936

[redacted] SEPTEMBER 2019

Drawing No.

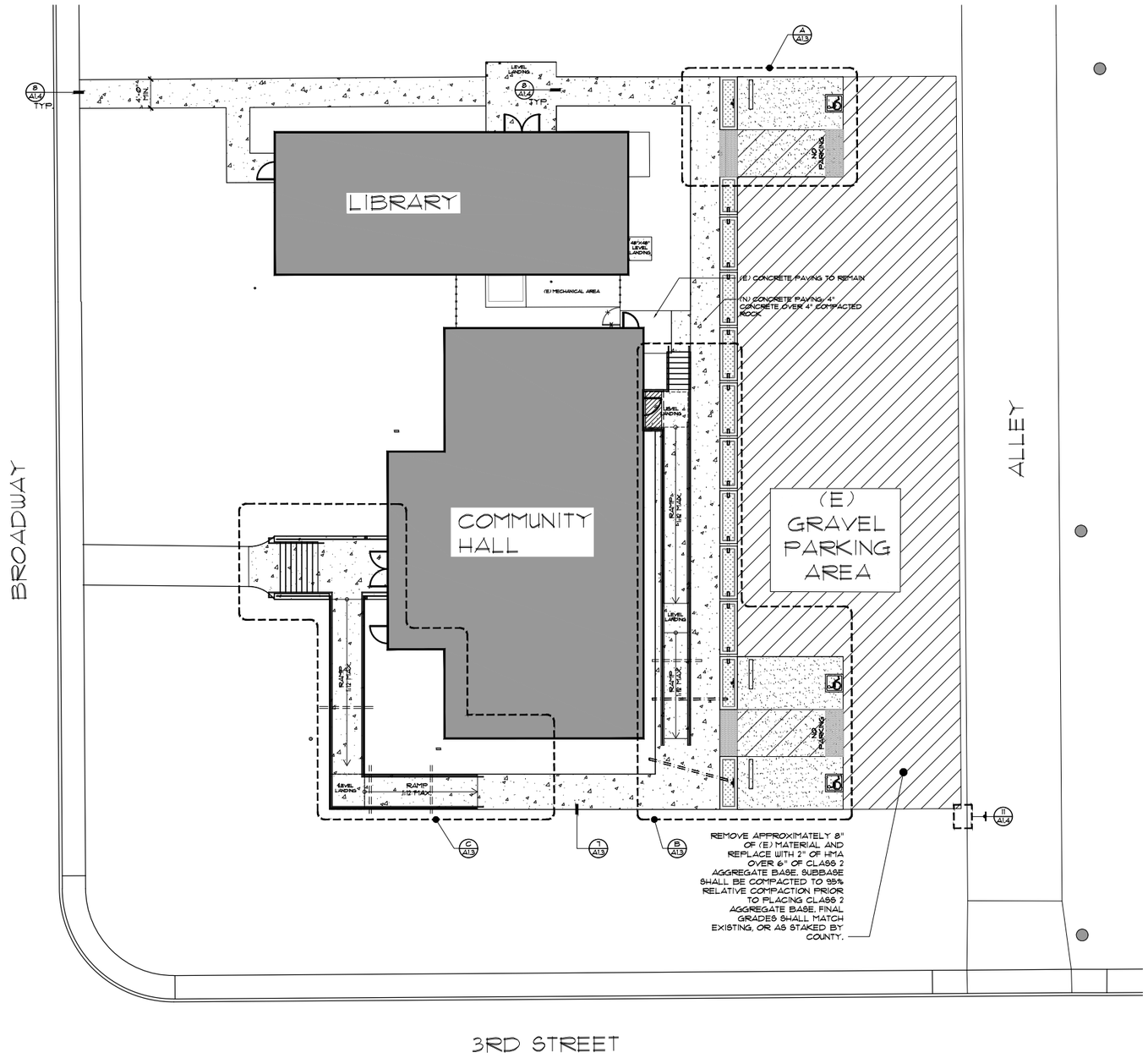
A1.1

OF SHEETS

GENERAL SITE NOTES

1. DISCONNECT AND REROUTE EXISTING LANDSCAPE SPRINKLER AND CONTROL SYSTEMS TO MAINTAIN SYSTEM CONTINUITY DURING CONSTRUCTION. WHEN WORK IN LANDSCAPE AREA IS COMPLETE MODIFY IRRIGATION AND CONTROL SYSTEM TO SUIT TO ACCOMMODATE THE NEW WORK. PROVIDE COVERAGE TO LANDSCAPED AREAS. PROVIDE ADDITIONAL LANDSCAPING TO MATCH EXISTING AS REQUIRE TO FILL VOID AREAS CAUSED MY THE NEW WORK.

2. SCARIFY SURFACE TO DEPTH OF 6 INCHES AT AREAS OF NEW RAMPS, STAIRS AND WALKWAYS. REMOVE SOIL AS REQUIRED TO ACCOMMODATE NEW PAVING, SLABS AND AGGREGATE BASE AND AS REQUIRED TO ACCOMMODATE THE NEW WORK. REMOVED AND LEGALLY DISPOSE OF EXCESS SOIL OR PLACE AT LOCATION AS DIRECTED BY THE CITY. EXCAVATE TO A DEPTH OF 12 INCHES BELOW FINAL GRADES AND RE-COMPACT TO 95%. PROVIDE CLEAN FILL TO AREAS OF EXCAVATION TO DEPTH AS REQUIRED TO ACCOMMODATE NEW WORK AND COMPACT TO 95%.



SITE PLAN

SCALE: 1:10

C | H
calpo hom & dong
ARCHITECTS
& | D

principals
ALAN C. HOM C 16979
DENNIS DONG C 12163
ANDY C. KWONG C 26500
LOANGLE R. NEWSOME C 22048
associates
KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457
consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

SITE PLAN

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

Drawn By: JJ

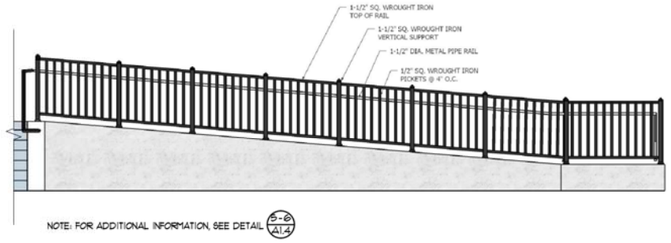
NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

Job No. 1936
Date SEPTEMBER, 2019

Drawing No.

A1.2

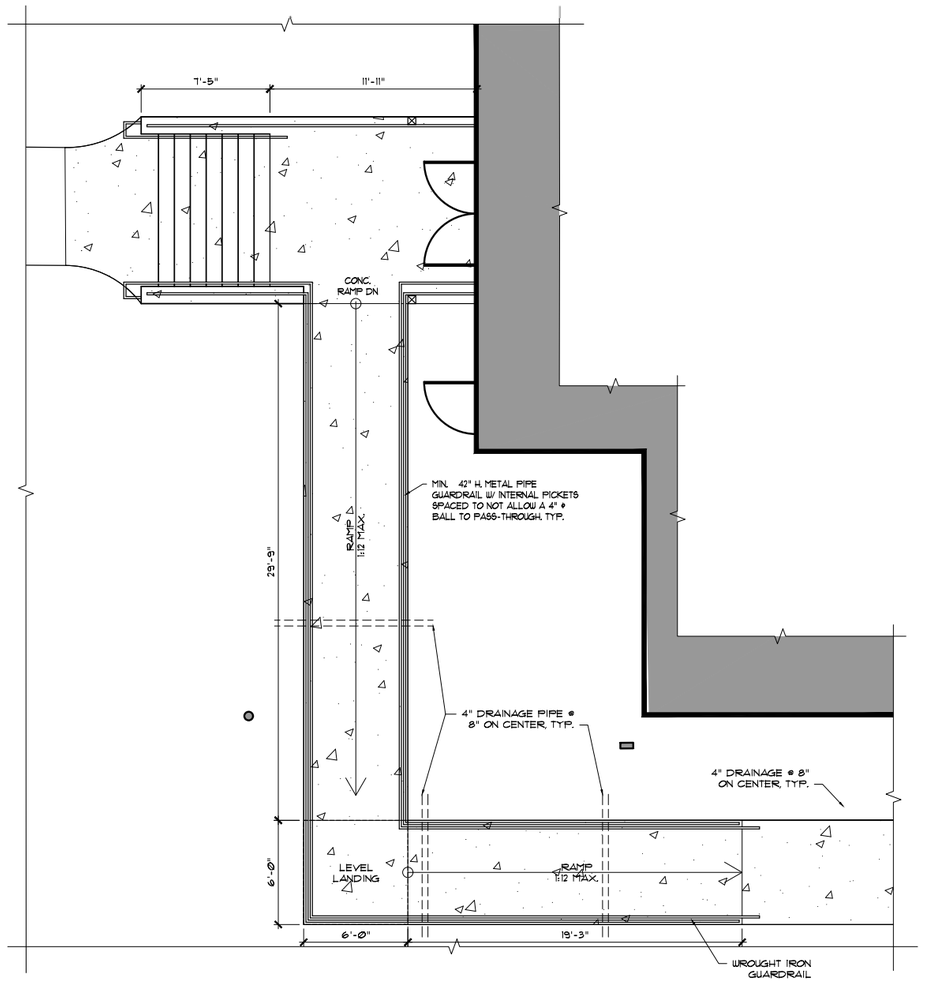
OF SHEETS



NOTE: FOR ADDITIONAL INFORMATION, SEE DETAIL 5-Ø A1.4

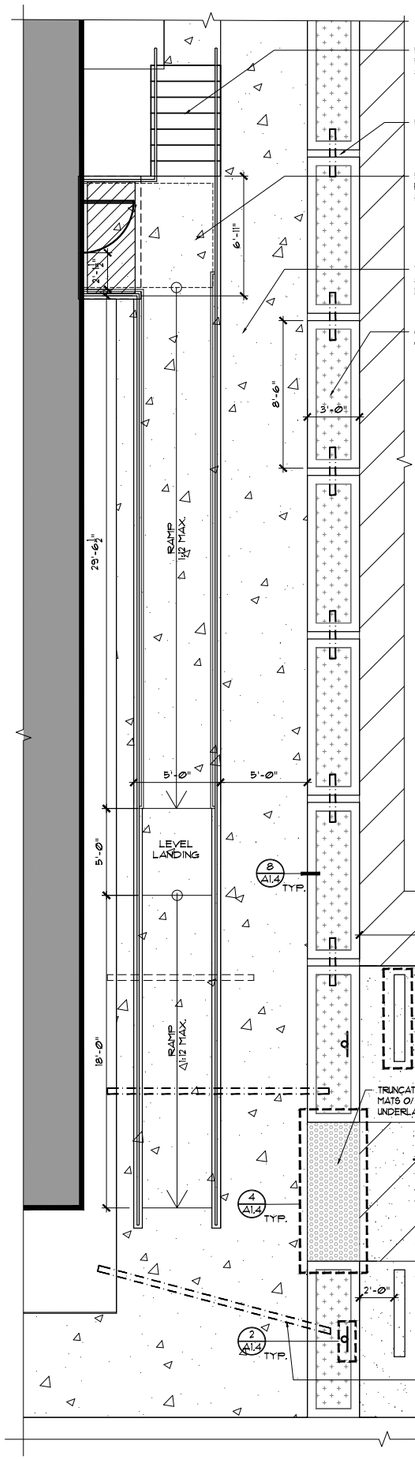
C.1 RAMP @ COMMUNITY HALL - ELEVATION

SCALE: 1/4" = 1'-Ø"



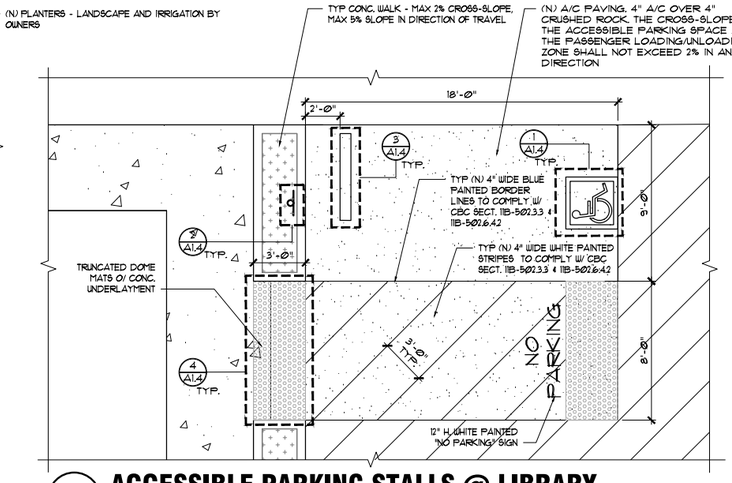
C WEST SIDE - RAMP AND STAIRS @ COMMUNITY HALL

SCALE: 1/4" = 1'-Ø"



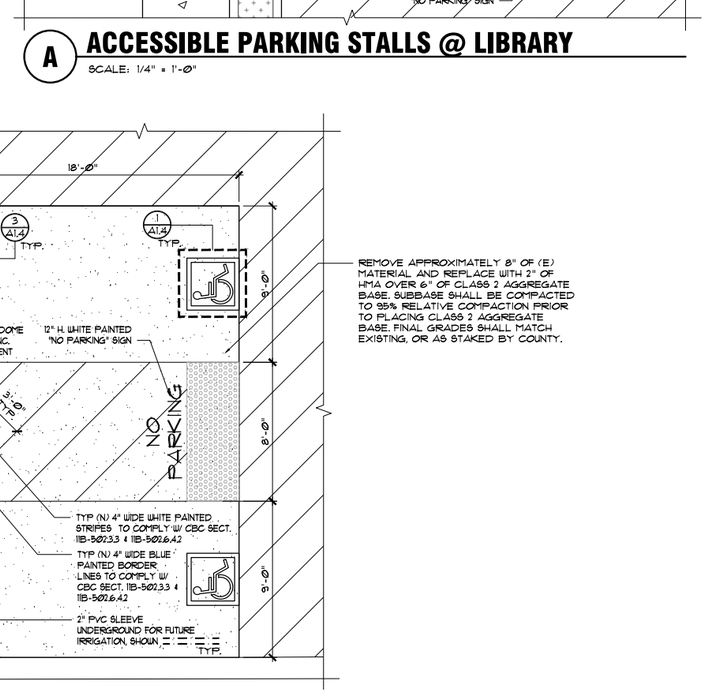
B EAST SIDE RAMP AND ACCESSIBLE PARKING @ COMMUNITY HALL

SCALE: 1/4" = 1'-Ø"



A ACCESSIBLE PARKING STALLS @ LIBRARY

SCALE: 1/4" = 1'-Ø"



NOTES

1. PAINT NEW HANDRAILS AND GUARD RAILS. SEMI-GLOSS ENAMEL. COLOR: BLACK
2. PROVIDE CAST-IN-PLACE CONTRASTING NOSINGS TO EACH CONCRETE STEP AND TOP LANDING AT NEW EXTERIOR STAIRS.

C|H
calpo hom & dong
ARCHITECTS
&D

principals
ALAN C. HOM C16979
DENNIS DONG C12163
ANDY C. KWONG C26500
LOANGLE R. NEWSOME C22048
associates
KARIN RYLANDER C23806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

ENLARGED SITE PLANS

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

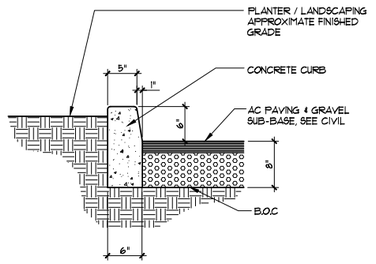
Drawn JJ

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

Job No. 1936
Date SEPTEMBER, 2019

Drawing No.
A1.3

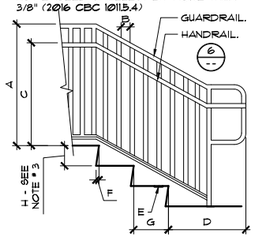
OF SHEETS



13 PLANTER CURB

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

NOTE:
1) GUARDRAILS REQUIRED WHERE STAIR IS MORE THAN 30 INCHES ABOVE GRADE (2016 CBC 1015.2)
2) OPEN RISERS ARE NOT PERMITTED (2016 CBC 11B-504.3.)
3) STAIR TREADS SHALL BE OF UNIFORM SIZE EXCEPT LARGEST TREAD SHALL NOT EXCEED SMALLEST BY MORE THAN 3/8" (2016 CBC 1011.5.4)



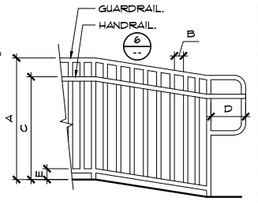
A - GUARDRAIL HEIGHT: 42" MIN. ABOVE LEADING EDGE OF TREAD (2016 CBC 1015.3)
B - LESS THAN 4" CLR. 4" CLR. OR GREATER NOT PERMITTED. (2016 CBC 1015.4)
C - 34"-38" ABOVE THE NOSING OF THE TREADS (2016 CBC 11B-505.4.)
D - 12" BEYOND TOP NOSING AND 12" PLUS THE TREAD WIDTH BEYOND BOTTOM NOSING. (2016 CBC 11B-505.10.2 & 11B-505.10.3) ENDS SHALL BE RETURNED SMOOTHLY TO FLOOR, WALL OR POST (2016 CBC 11B-505.10.2 & 11B-505.10.3)
E - PROVIDE 2" MIN. CONTRASTING COLOR STRIPING @ UPPER AND LOWER APPROACH NOT MORE THAN 1" FROM NOSE EXCEPTION: AT EXTERIOR STAIRS ALL THREADS SHALL BE PROVIDED WITH A CONTRASTING STRIPE. (2016 CBC 11B-504.4.1)
F - 1-1/2" MAX (2016 CBC 11B-504.5.)
G - 11" MIN. (2016 CBC 11B-504.2)
H - 4" MIN, 7" MAX (2016 CBC 11B-504.2)

9 STAIR REQUIREMENTS

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

NOTE:
GUARDRAILS ONLY REQUIRED WHERE AN ELEVATION CHANGE OF 30 INCHES OR MORE OCCUR. (2016 CBC. 1015.2)

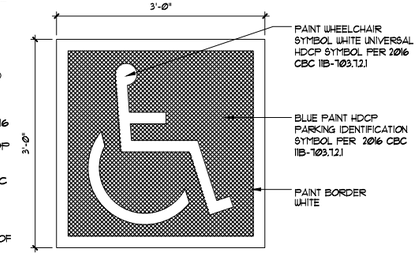
HANDRAILS REQUIRED AT RAMPS WITH A RISE GREATER THAN 6" (2016 CBC. 1012.8)



A - GUARDRAIL HEIGHT: 42" MIN. ABOVE RAMP SURFACE (2016 CBC 1015.3)
B - LESS THAN 4" CLR. 4" CLR. OR GREATER NOT PERMITTED. (2016 CBC. 1015.4)
C - 34"-38" ABOVE RAMP SURFACE (2016 CBC 1014.2)
D - 12" MIN HANDRAIL EXTENSION BEYOND TOP AND BOTTOM OF RAMP. RETURN ENDS TO WALL(2016 CBC 11B-505.10.1).
AT STAIRS: 12" BEYOND TOP NOSING AND 12" PLUS THE THREAD WIDTH BEYOND BOTTOM NOSING. (2016 CBC 11B-505.10.2 & 11B-505.10.3.)
E - WHEEL GUIDE RAIL SHALL BE PROVIDED, CENTERED 3" PLUS OR MINUS 1" ABOVE SURFACE OF RAMP. (2016 CBC 1015.4)
- ALTERNATE: PROVIDE A CURB 2" MIN. IN HT. @ EA. END.

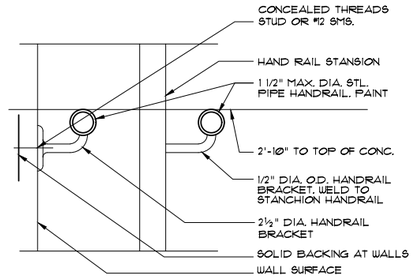
5 RAIL REQUIREMENTS

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



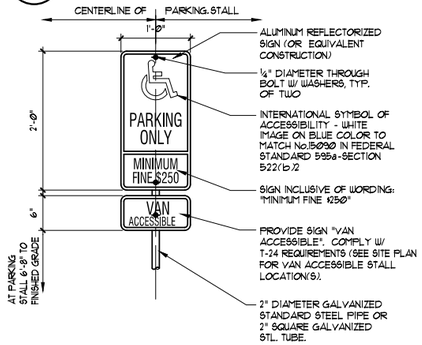
1 PARKING STALL SYMBOL

SCALE: 1"=1'-0"



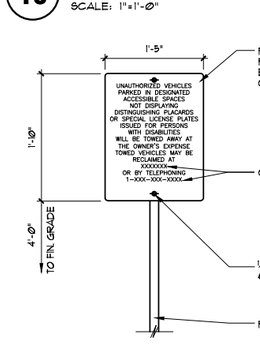
6 HANDRAIL

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



2 ACCESSIBLE PARKING SIGN

SCALE: 1"=1'-0"

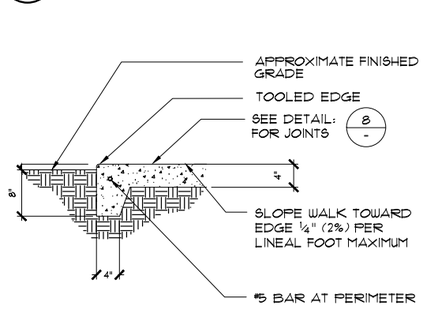


10 CONCRETE JOINTS

SCALE: 1"=1'-0"

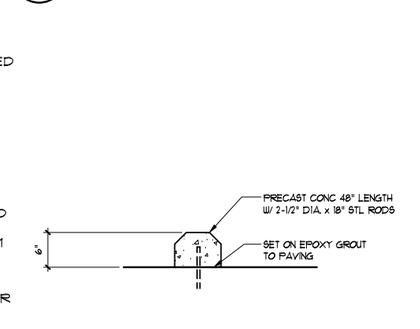
11 ENTRANCE SIGN

SCALE: 1"=1'-0"



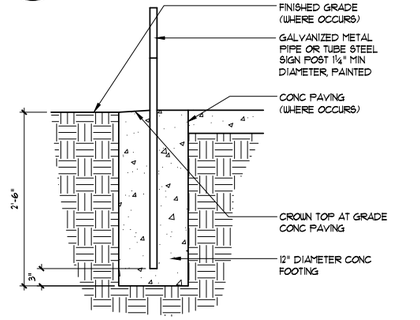
7 WALK GRADE

SCALE: 1"=1'-0"



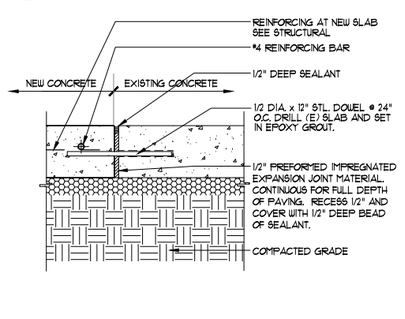
3 WHEEL STOP

SCALE: 1"=1'-0"



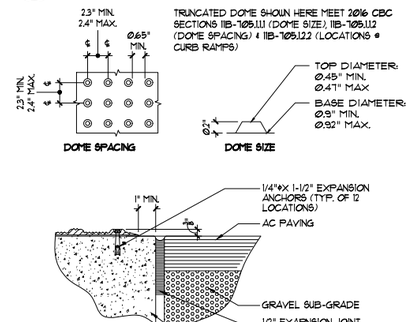
12 SIGN POST

SCALE: 1"=1'-0"



8 WALK GRADE

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



4 TRUNCATED DOMES

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

C H
calpo hom & dong
ARCHITECTS
& D

principals
ALAN C. HOM C 16979
DENNIS DONG C 12163
ANDY C. KWONG C 26500
LOANGLE R. NEWSOME C 22048
associates
KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

SITE PLAN DETAILS

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

Drawn By: JJ
Project #:

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

Job No. 1936
Date SEPTEMBER, 2019

Drawing No.

A1.4

OF SHEETS

DEMOLITION NOTES

1. ALL MATERIALS TO BE SAVED AND REUSED SHALL BE REMOVED AND STORED IN THE BUILDING OWNER'S STORAGE AREA, AS DESIGNATED BY THE BUILDING OWNER. ALL MILLWORK AND ATTACHMENTS ARE THE PROPERTY OF THE BUILDING OWNER.

2. ALL MATERIALS TO BE SAVED AND REUSED SHALL BE REMOVED IN A WORKMAN LIKE MANNER AS TO NOT DAMAGE OR PREVENT THE REUSE OF SUCH MATERIALS.

3. ALL TRADES SHALL PERFORM THEIR DEMOLITION IN A WORKMAN LIKE MANNER AS NOT TO DAMAGE ANY OR EXISTING CONSTRUCTION TO REMAIN.

4. THE FOLLOWING WORK SHALL BE PERFORMED BY THE CONTRACTOR(S):

   A. REMOVE WALL & DOOR PORTION(S) AS INDICATED.

5. PATCH AND REPAIR FLOOR SURFACE AS REQUIRED FOR A LEVEL CONDITION, READY TO RECEIVE NEW FINISHES.

6. ALL CONTRACTORS OF THIS DEMOLITION WORK SHALL REMOVE THE DEBRIS CAUSED BY THEIR SCOPE OF WORK.

7. THE JOB SITE IS TO BE FREE OF ALL DEMOLITION DEBRIS PRIOR TO START OF NEW CONSTRUCTION.

8. ALL TRADES ARE RESPONSIBLE TO MAINTAIN A CLEAN ENVIRONMENT, FREE OF DEMOLITION DUST AND DEBRIS, (INTERIOR AND EXTERIOR)

9. SEE FLOOR PLAN FOR NEW CONSTRUCTION REQUIREMENTS.

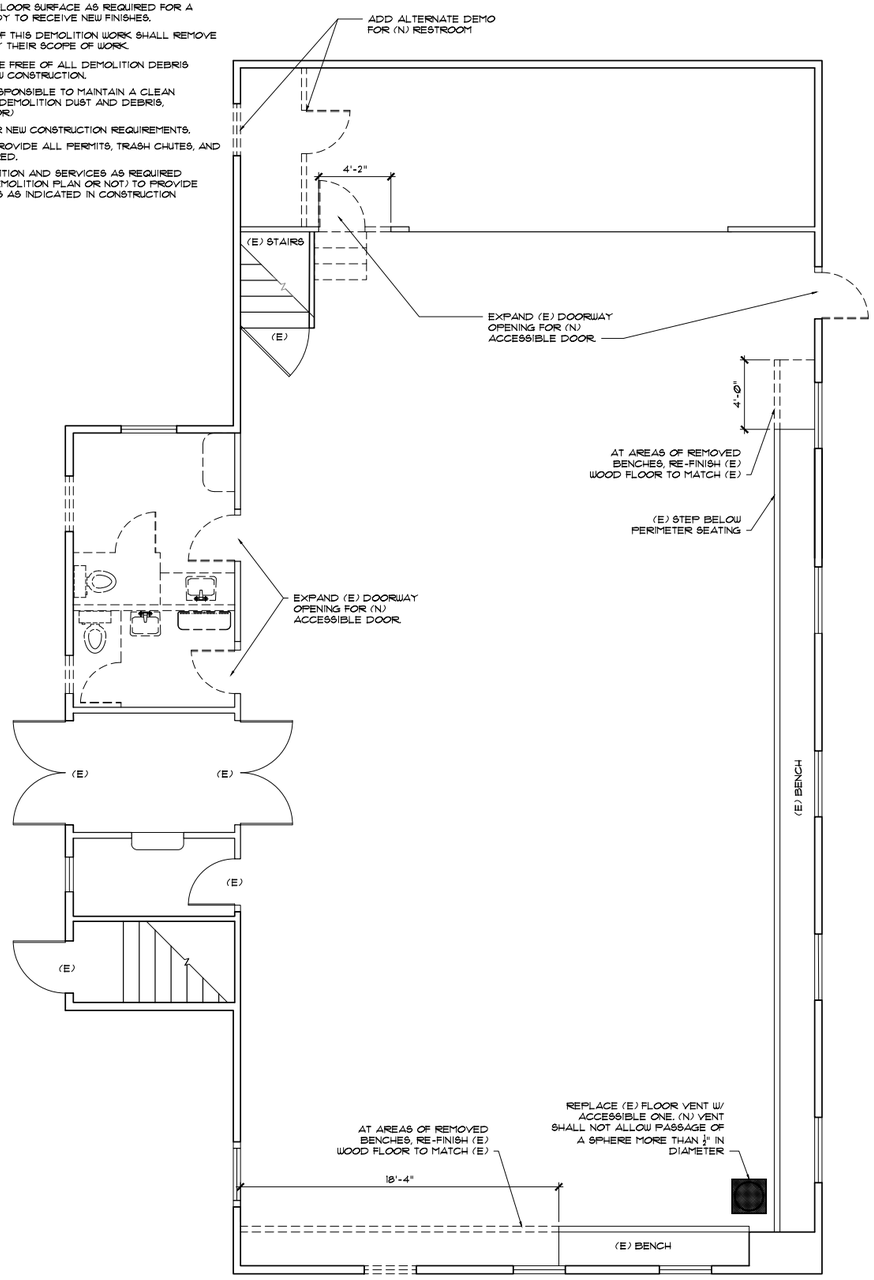
10. CONTRACTORS TO PROVIDE ALL PERMITS, TRASH CHUTES, AND DUMPSTERS AS REQUIRED.

11. PROVIDE ALL DEMOLITION AND SERVICES AS REQUIRED (WHETHER SHOWN ON DEMOLITION PLAN OR NOT) TO PROVIDE FOR NEW IMPROVEMENTS AS INDICATED IN CONSTRUCTION DOCUMENTS.

DEMOLITION WALL LEGEND

(E) CONSTRUCTION TO BE DEMOLISHED

(E) CONSTRUCTION TO REMAIN



COMMUNITY HALL - UPPER FLOOR - DEMOLITION PLAN

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

C | H
calpo hom & dong
ARCHITECTS
& | D

principals

ALAN C. HOM C 16979

DENNIS DONG C 12163

ANDY C. KWONG C 26500

LOANGLE R. NEWSOME C 22048

associates

KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

COMMUNITY HALL UPPER FLOOR - DEMOLITION PLAN

LICENSED ARCHITECT
ANDY C. KWONG
C-26,500
REN. 09/21
STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

[redacted] JJ

[redacted]

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

[redacted] 19136

[redacted] SEPTEMBER, 2019

Drawing No.

A2.0

OF SHEETS

DEMOLITION NOTES

1. ALL MATERIALS TO BE SAVED AND REUSED SHALL BE REMOVED AND STORED IN THE BUILDING OWNER'S STORAGE AREA, AS DESIGNATED BY THE BUILDING OWNER. ALL MILLWORK AND ATTACHMENTS ARE THE PROPERTY OF THE BUILDING OWNER.

2. ALL MATERIALS TO BE SAVED AND REUSED SHALL BE REMOVED IN A WORKMAN LIKE MANNER AS TO NOT DAMAGE OR PREVENT THE REUSE OF SUCH MATERIALS.

3. ALL TRADES SHALL PERFORM THEIR DEMOLITION IN A WORKMAN LIKE MANNER AS NOT TO DAMAGE ANY OR EXISTING CONSTRUCTION TO REMAIN.

4. THE FOLLOWING WORK SHALL BE PERFORMED BY THE CONTRACTOR(S):

   A. REMOVE WALL & DOOR PORTION(S) AS INDICATED.

5. PATCH AND REPAIR FLOOR SURFACE AS REQUIRED FOR A LEVEL CONDITION, READY TO RECEIVE NEW FINISHES.

6. ALL CONTRACTORS OF THIS DEMOLITION WORK SHALL REMOVE THE DEBRIS CAUSED BY THEIR SCOPE OF WORK.

7. THE JOB SITE IS TO BE FREE OF ALL DEMOLITION DEBRIS PRIOR TO START OF NEW CONSTRUCTION.

8. ALL TRADES ARE RESPONSIBLE TO MAINTAIN A CLEAN ENVIRONMENT, FREE OF DEMOLITION DUST AND DEBRIS, (INTERIOR AND EXTERIOR)

9. SEE FLOOR PLAN FOR NEW CONSTRUCTION REQUIREMENTS.

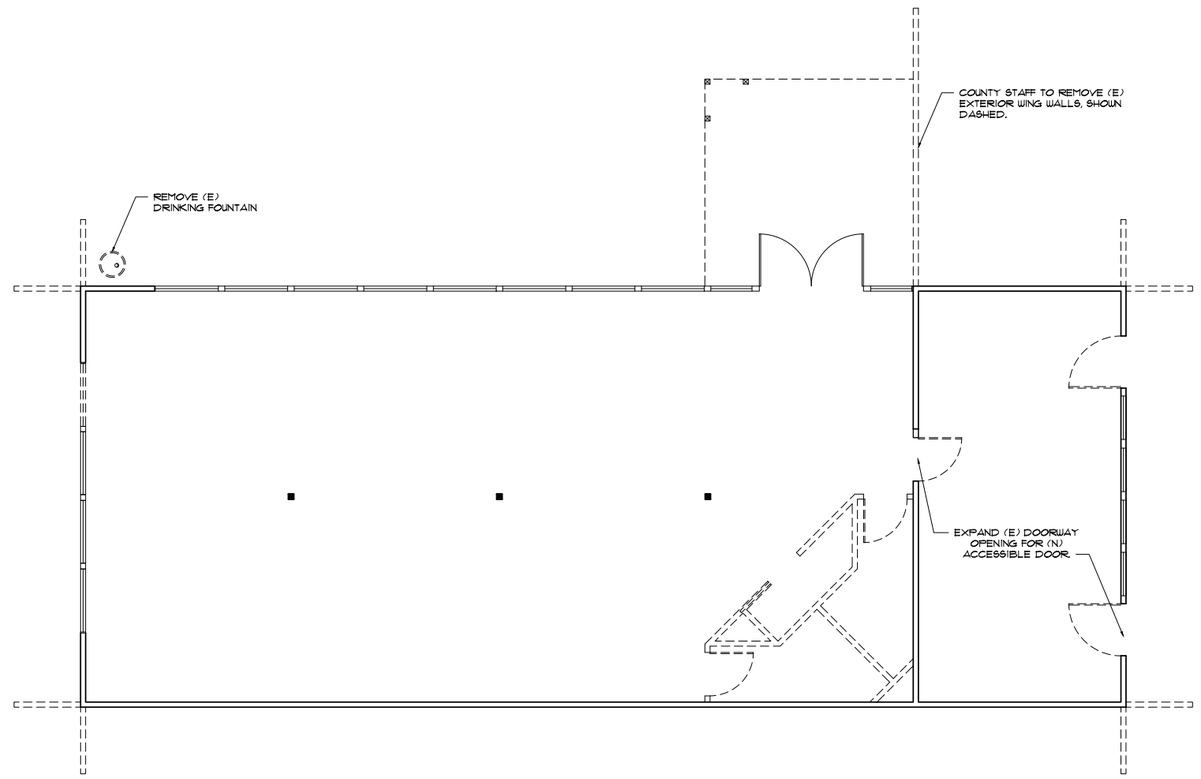
10. CONTRACTORS TO PROVIDE ALL PERMITS, TRASH CHUTES, AND DUMPSTERS AS REQUIRED.

11. PROVIDE ALL DEMOLITION AND SERVICES AS REQUIRED (WHETHER SHOWN ON DEMOLITION PLAN OR NOT) TO PROVIDE FOR NEW IMPROVEMENTS AS INDICATED IN CONSTRUCTION DOCUMENTS.

DEMOLITION WALL LEGEND

(E) CONSTRUCTION TO BE DEMOLISHED

(E) CONSTRUCTION TO REMAIN



LIBRARY - DEMOLITION PLAN

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

C H
calpo hom & dong
ARCHITECTS
& D

principals

ALAN C. HOM C 16979

DENNIS DONG C 12163

ANDY C. KWONG C 26500

LOANGLE R. NEWSOME C 22048

associates

KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE

SACRAMENTO, CALIFORNIA 95818

TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE

HAMILTON CITY, CA 95951

Sheet Title

LIBRARY - DEMOLITON PLAN

LICENSED ARCHITECT
ANDY C. KWONG
C-26,500
REN. 09/21
STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

Drawn By: JJ

Checked:

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

Job No. 19136

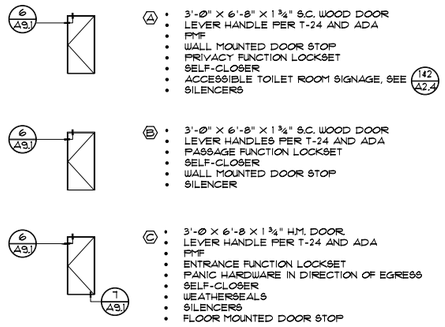
Date SEPTEMBER, 2019

Drawing No.

A2.1

OF SHEETS

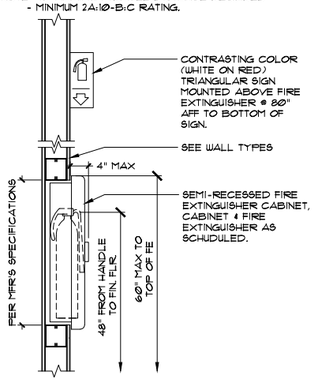
DOOR SCHEDULE



FIRE EXTINGUISHER

FE WALL MOUNTED FIRE EXTINGUISHER TO COMPLY W/ TITLE 19. FIRE EXTINGUISHERS SHALL HAVE A SERVICE TAG AFFIXED TO THEM WHICH PROVIDES PROOF THEY HAVE BEEN INSPECTED AND SERVICED BY A LICENSED FIRE EXTINGUISHER INSPECTOR. (ALL LOCATIONS ARE SUBJECT TO CHANGE AT FIRE INSPECTORS DISCRETION.)

NOTE: 75' MAXIMUM TRAVEL DISTANCE REQUIRED - MINIMUM 2A:10Ø-B:C RATING.



GENERAL NOTES

1. REPAIR PATCH & FINISH ALL GYPSUM BOARD (NEW AND EXISTING) AS REQUIRED TO BE READY FOR FINISH.
2. PATCH, REPAIR, AND/OR REPLACE EXISTING CONSTRUCTION IN AREA OF WORK, AS REQUIRED FOR A FINISHED APPEARANCE.
3. PROVIDE 20 GA. STUDS AT ALL NEW DOOR JAMBS AND HEAD CONDITIONS.
4. CONTRACTOR TO FIELD VERIFY AND NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES IN 5 DAYS PRIOR TO BID DUE DATE.
5. PROVIDE ALL DEMOLITION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
6. OBTAIN TENANT & BUILDING MANAGER'S APPROVAL OF WALL CHAULKLINES PRIOR TO INSTALLATION OF BASE TRACKS.
7. ALL FLOORS SHALL BE LEVEL AND CLEAN PRIOR TO START OF WALL ERECTION. PATCH, REPAIR AND/OR REPLACE AS REQUIRED.
8. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
9. CUT OPENING IN EXTERIOR WALL TO EXTEND KITCHEN APPLIANCE HOOD EXHAUST DUCT TO EXTERIOR. PROVIDE WEATHER HOOD AND CAULK AND SEAL OPENING. MAKE WEATHERTIGHT. PAINT HOOD.
10. PATCH AND REPAIR ROOFING AS REQUIRED TO ACCOMMODATE NEW WORK. PROVIDE HOODS, FLASHING AND ROOFING TO SUIT TO MATCH EXISTING. PAINT SHEET METAL HOODS.

WALL LEGEND

(E) CONSTRUCTION TO REMAIN. PAINT AS SPEC'ED BY TENANT. PROVIDE WR. GYP BD AT RESTROOM SIDE

2 A9.1 — (N) NON-RATED INTERIOR PARTITION TO BOTTOM OF GYP. BD. CLG. ABOVE: 5/8" TYPE "X" GYP BD BOTH SIDES 3 5/8" MTL STUDS @ 24" O.C. TAPE, TEXTURE & PAINT PER TENANT'S SPEC. PROVIDE WR. RESISTANT @ WET LOCATIONS.

3.1 A9.1 — (N) EXTERIOR WALL INFILL TO MATCH (E)

EGRESS LEGEND

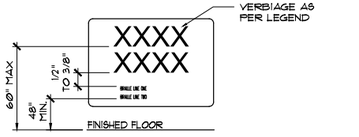
1 2 3 — NUMBER DENOTES OCCUPANT LOAD PATH OF TRAVEL

ILLUMINATED EXIT SIGN W/ EMERGENCY BATTERY BACK-UP. COMPLY W. 2016 C.B.C. SEC. 1013- DIRECTIONAL ARROWS AS SHOWN.

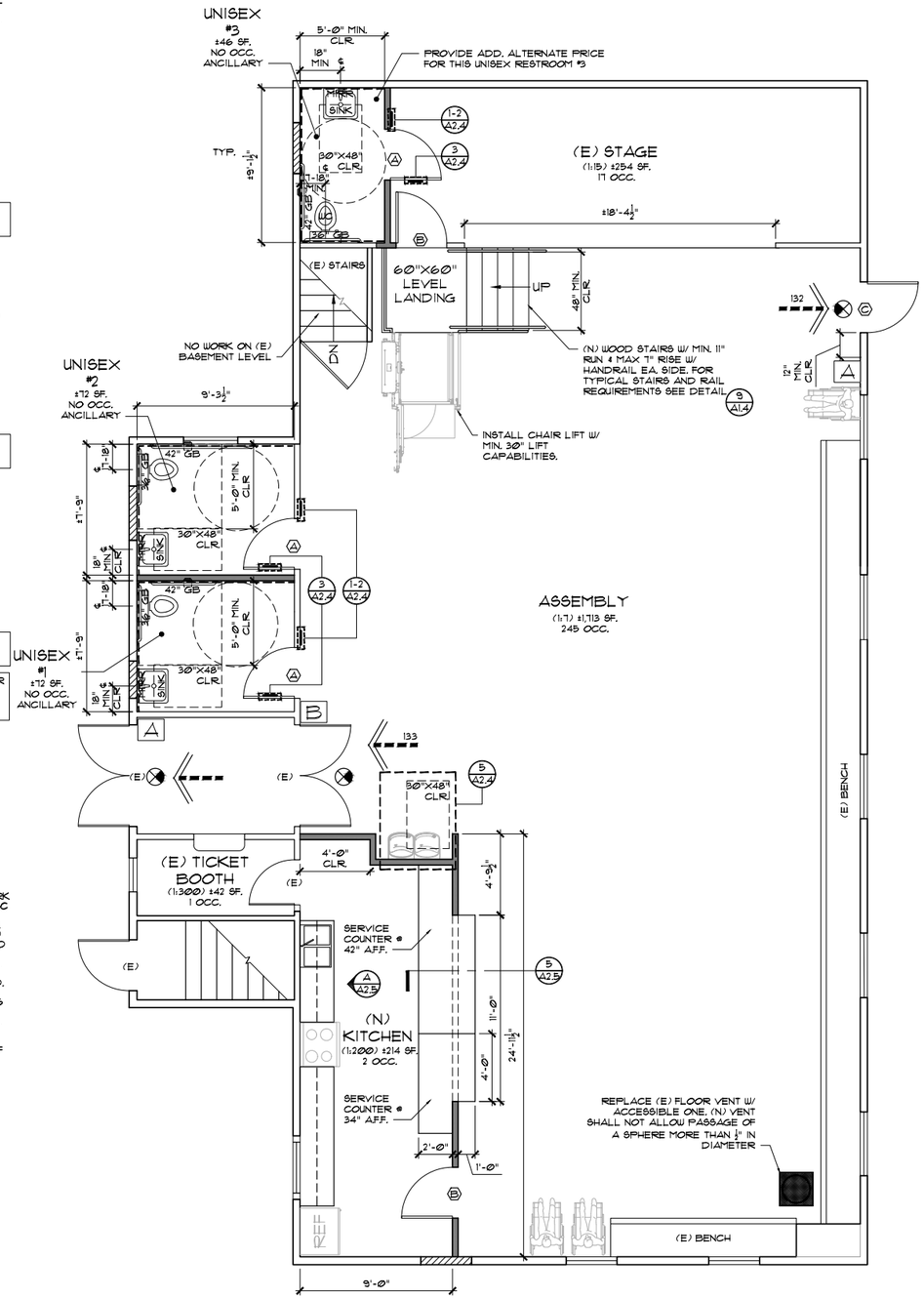
TACTILE SIGNAGE LEGEND

A "EXIT"
B "EXIT ROUTE"

PROVIDE RAISED CHARACTER AND BRAILLE EXIT SIGNS TO COMPLY WITH 2016 CBC 1011.4 AND 11B-703.4.



1. **FINISH & CONTRAST:** CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. (2016 CBC 11B-703.5.3.)
2. **CHARACTER TYPE:** CHARACTERS SHALL BE RAISED 1/32" MIN. AND SHALL BE SANS SERIF UPPERCASE. (2016 CBC 11B-703.2.)
3. **CHARACTER SIZE:** CHARACTERS SHALL BE A MIN. OF 5/8" AND A MAX. OF 2" HIGH. (2016 CBC 11B-703.2.5)
4. **CHARACTER PLACEMENT:** CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE DIRECTLY BELOW THE TACTILE CHARACTERS; FLUSH LEFT OR CENTERED. WHEN TACTILE TEXT IS MULTI-LINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT. (2016 CBC 11B-703.3.)
5. **BRAILLE:** CONTRACTED (GRADE 2) BRAILLE SHALL BE USED. DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. (2016 CBC 11B-703.3.)



COMMUNITY HALL - UPPER FLOOR - FLOOR PLAN

SCALE: 1/4" = 1'-Ø"

C H
calpo hom & dong
ARCHITECTS
& D

principals
ALAN C. HOM C 16979
DENNIS DONG C 12163
ANDY C. KWONG C 26500
LOANGLE R. NEWSOME C 22048
associates
KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

COMMUNITY HALL UPPER FLOOR - FLOOR PLAN

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

DRAWN BY: JJ
CHECKED BY:

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

JOB NO: 1913.6
DATE: SEPTEMBER, 2019

Drawing No.

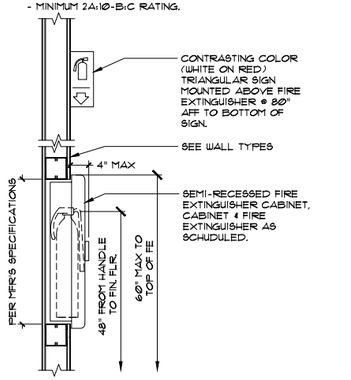
A2.2

OF SHEETS

FIRE EXTINGUISHER

(FE) WALL MOUNTED FIRE EXTINGUISHER TO COMPLY W/ TITLE 19. FIRE EXTINGUISHERS SHALL HAVE A SERVICE TAG AFFIXED TO THEM WHICH PROVIDES PROOF THEY HAVE BEEN INSPECTED AND SERVICED BY A LICENSED FIRE EXTINGUISHER INSPECTOR. (ALL LOCATIONS ARE SUBJECT TO CHANGE AT FIRE INSPECTORS DISCRETION).

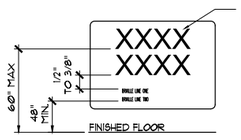
NOTE: 75' MAXIMUM TRAVEL DISTANCE REQUIRED - MINIMUM 2A:10-B:C RATING.



TACTILE SIGNAGE LEGEND

Ⓐ "EXIT"
Ⓑ "EXIT ROUTE"

PROVIDE RAISED CHARACTER AND BRAILLE EXIT SIGNS TO COMPLY WITH 2016 CBC 1011.4 AND 11B-703.4.



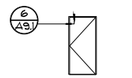
1. **FINISH & CONTRAST:** CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. (2016 CBC 11B-703.5.3.)
2. **CHARACTER TYPE:** CHARACTERS SHALL BE RAISED 1/32" MIN. AND SHALL BE SANS SERIF UPPERCASE. (2016 CBC 11B-1032.)
3. **CHARACTER SIZE:** CHARACTERS SHALL BE A MIN. OF 5/8" AND A MAX. OF 2" HIGH. (2016 CBC 11B-1032.5.)
4. **CHARACTER PLACEMENT:** CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE DIRECTLY BELOW THE TACTILE CHARACTERS; FLUSH LEFT OR CENTERED, WHEN TACTILE TEXT IS MULTI-LINED. ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT. (2016 CBC 11B-703.3.)
5. **BRAILLE:** CONTRACTED (GRADE 2) BRAILLE SHALL BE USED. DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. (2016 CBC 11B-703.3.)

EGRESS LEGEND

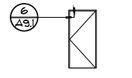
1 2 3 NUMBER DENOTES OCCUPANT LOAD
PATH OF TRAVEL

ILLUMINATED EXIT SIGN W/ EMERGENCY BATTERY BACK-UP. COMPLY W. 2016 C.B.C. SEC. 1013- DIRECTIONAL ARROWS AS SHOWN.

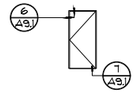
DOOR SCHEDULE



Ⓐ
- 3'-0" X 6'-8" X 1 3/4" S.C. WOOD DOOR
- LEVER HANDLE PER T-24 AND ADA
- PMF
- WALL MOUNTED DOOR STOP
- PRIVACY FUNCTION LOCKSET
- SELF-CLOSER
- ACCESSIBLE TOILET ROOM SIGNAGE, SEE 1/A2.4
- SILENCERS



Ⓑ
- 3'-0" X 6'-8" X 1 3/4" S.C. WOOD DOOR
- LEVER HANDLES PER T-24 AND ADA
- PASSAGE FUNCTION LOCKSET
- SELF-CLOSER
- WALL MOUNTED DOOR STOP
- SILENCER



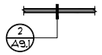
Ⓒ
- 3'-0 X 6'-8 X 1 3/4" HM. DOOR.
- LEVER HANDLE PER T-24 AND ADA
- PMF
- ENTRANCE FUNCTION LOCKSET
- PANIC HARDWARE IN DIRECTION OF EGRESS
- SELF-CLOSER
- WEATHERSEALS
- SILENCERS
- FLOOR MOUNTED DOOR STOP

GENERAL NOTES

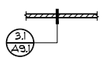
1. REPAIR PATCH & FINISH ALL GYPSUM BOARD (NEW AND EXISTING) AS REQUIRED TO BE READY FOR FINISH.
2. PATCH, REPAIR, AND/OR REPLACE EXISTING CONSTRUCTION IN AREA OF WORK, AS REQUIRED FOR A FINISHED APPEARANCE.
3. PROVIDE 20 GA. STUDS AT ALL NEW DOOR JAMBS AND HEAD CONDITIONS.
4. CONTRACTOR TO FIELD VERIFY AND NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES IN 5 DAYS PRIOR TO BID DUE DATE.
5. PROVIDE ALL DEMOLITION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
6. OBTAIN TENANT & BUILDING MANAGER'S APPROVAL OF WALL CHAULKLINES PRIOR TO INSTALLATION OF BASE TRACKS.
7. ALL FLOORS SHALL BE LEVEL AND CLEAN PRIOR TO START OF WALL ERECTION. PATCH, REPAIR AND/OR REPLACE AS REQUIRED.
8. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
9. CUT OPENING IN EXTERIOR WALL TO EXTEND KITCHEN APPLIANCE HOOD EXHAUST DUCT TO EXTERIOR. PROVIDE WEATHER HOOD AND CAULK AND SEAL OPENING. MAKE WEATHERTIGHT. PAINT HOOD.
10. PATCH AND REPAIR ROOFING AS REQUIRED TO ACCOMMODATE NEW WORK. PROVIDE HOODS, FLASHING AND ROOFING TO SUIT TO MATCH EXISTING. PAINT SHEET METAL HOODS.

WALL LEGEND

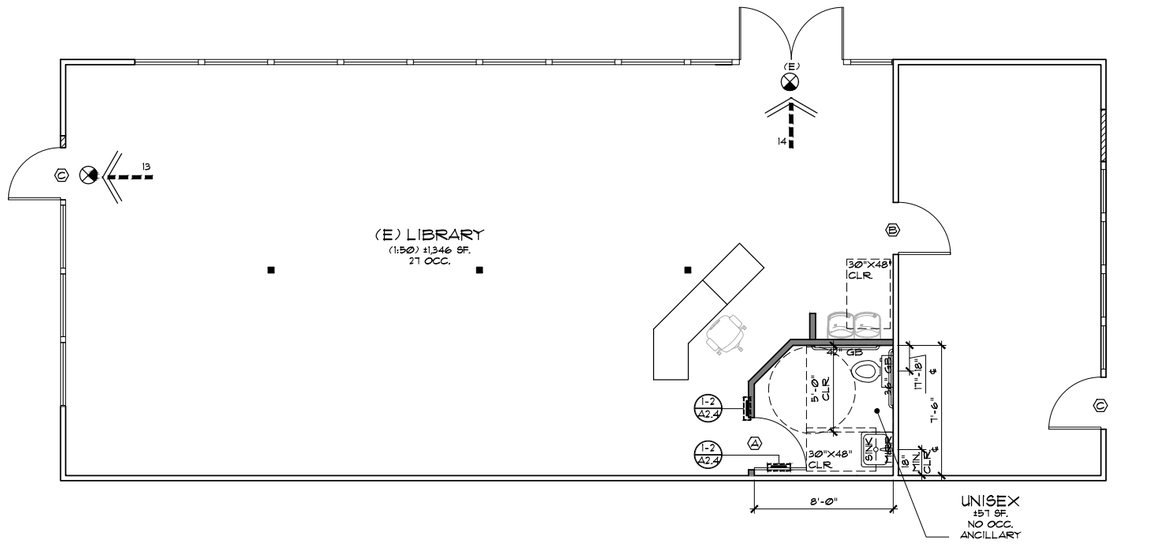
(E) CONSTRUCTION TO REMAIN. PAINT AS SPEC'ED BY TENANT. PROVIDE WR. GYP BD AT RESTROOM SIDE



(N) NON-RATED INTERIOR PARTITION TO BOTTOM OF GYP. BD. CLG. ABOVE: 5/8" TYPE "X" GYP BD BOTH SIDES 3 5/8" MTL STUDS @ 24" O.C. TAPE, TEXTURE & PAINT PER TENANT'S SPEC. PROVIDE WR. RESISTANT @ WET LOCATIONS.



(N) EXTERIOR WALL INFILL TO MATCH (E)



LIBRARY - FLOOR PLAN

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

C H
calpo hom & dong
ARCHITECTS
& D

principals
ALAN C. HOM C 16979
DENNIS DONG C 12163
ANDY C. KWONG C 26500
LOANGLE R. NEWSOME C 22048
associates
KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457
consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

LIBRARY - FLOOR PLAN

LICENSED ARCHITECT
ANDY C. KWONG
C-26,500
REN. 09/21
STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

JJ

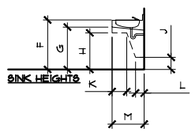
NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

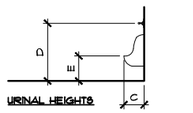
19136
SEPTEMBER, 2019

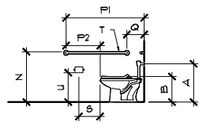
Drawing No.

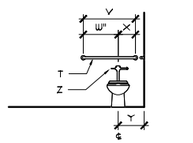
A2.3

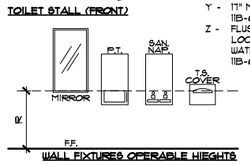
OF SHEETS











A - 44" MAX TO FINISH VALVE (CBC 2016 11B-604.6)
B - 17" MIN, 19" MAX TO TOP OF TOILET SEAT (CBC 2016 11B-604.4)
C - 13 1/2" MIN. (CBC 2016 11B-605.2)
D - 44" MAX (CBC 2016 11B-605.4)
E - 17" MAX. (CBC 2016 11B-605.2)
F - 34" MAX. (CBC 2016 11B-606.3)
G - 29" MIN. (CBC 2016 11B-306.3)
H - 27" MIN. (CBC 2016 11B-306.3)
J - 9" MIN. (CBC 2016 11B-306.3)
K - 8" MIN. (CBC 2016 11B-306.3)
L - 6" MAX. (CBC 2016 11B-306.3)
M - 17" MIN. (CBC 2016 11B-306.2)
N - 33" MIN, 36" MAX TO THE TOP OF GRIPPING SURFACE (CBC 2016 11B-609.4)
P1 - 54" MIN. (CBC 2016 11B-604.5.1)
P2 - 24" FROM EDGE OF TOILET (CBC 2016 11B-604.5.1)
Q - 12" MAX. (CBC 2016 11B-604.5.1)
R - 40" MAX TO ALL OPERABLE PARTS (CBC 2016 11B-603.5)
- FOR COIN OPERATED MACHINES, THIS INCLUDES THE COIN SLOT.
- FOR MIRRORS, THE 40" IS MEASURED TO THE REFLECTIVE SURFACE OF THE MIRROR
S - 1" MIN. 9" MAX. (CBC 2016 11B-604.7)
T - GRAB BARS:
42" MIN AT FRONT END.
36" MIN. AT BACK END.
NO OBJECT SHALL ENCROACH INTO GRAB BAR AREA AS FOLLOWS:
1-1/2" MIN. BELOW GRAB BAR
1-1/2" MIN. @ END OF GRAB BAR
12" MIN. ABOVE GRAB BAR.
(CBC 2016 11B-604- 5.1 & 5.2)
(CBC 2016 11B-609.3.)
U - 19" MIN. (CBC 2016 11B-604.7.)
WHERE DUAL TOILET ROLLS ARE PROVIDED, ONLY VERTICAL STACKED ROLLS SHALL BE ACCEPTABLE. DIMENSION IS MEASURED TO BOTTOM OF DISPENSER.
V - 36" MIN. (CBC 2016 11B-604.5.2)
W - 24" MIN. (CBC 2016 11B-604.5.2)
X - 12" MIN. (CBC 2016 11B-604.5.2)
Y - 17" MIN. TO 18" MAX (CBC 2016 11B-604.2)
Z - FLUSH CONTROL SHALL BE LOCATED ON OPEN SIDE OF WATER CLOSET (CBC 2016 11B-604.6).

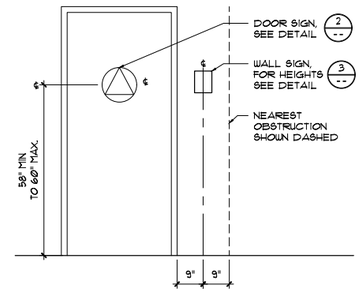
4 TYP. HT'S & CLR.

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

RESTROOM LEGEND

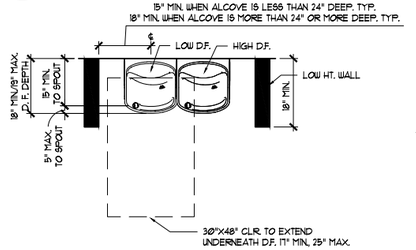
INDICATES 30"x48" CLEAR SPACE PER 2016 CBC 11B-305.

INDICATES 60" DIA. TURNING SPACE PER 2016 CBC 11B-304.3.1

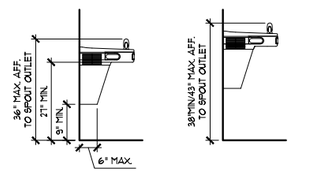


1 RESTROOM DOOR

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



PLAN



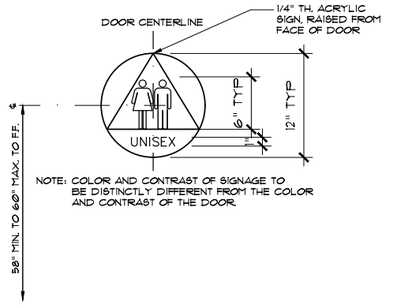
LOW DRINKING FOUNTAIN — HIGH DRINKING FOUNTAIN

ELEVATION

NOTE:
OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.
WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN. AND SHALL BE LOCATED 5" MAX. FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" OF THE FRONT UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAX. WHERE SPOUTS ARE LOCATED BETWEEN 3" MIN. AND 5" MAX. FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAX.

5 DRINKING FOUNTAIN

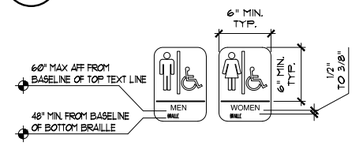
SCALE: 1/2"=1'-0"



NOTE: COLOR AND CONTRAST OF SIGNAGE TO BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.

2 UNISEX DOOR SIGN

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



1. **FINISH & CONTRAST.** CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
2. **CHARACTER TYPE.** CHARACTERS SHALL BE RAISED 1/32" MIN. AND SHALL BE SANS SERIF UPPERCASE.
3. **CHARACTER SIZE.** CHARACTERS SHALL BE A MIN. OF 5/8" AND A MAX. OF 2" HIGH.
4. **CHARACTER PLACEMENT.** CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE DIRECTLY BELOW THE TACTILE CHARACTERS. FLUSH LEFT OR CENTERED. WHEN TACTILE TEXT IS MULTI-LINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT.
5. **BRAILLE.** CONTRACTED (GRADE 2) BRAILLE SHALL BE USED. DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED.
6. **PICTORIAL SYMBOL SIGNS (PICTOGRAMS).** PICTORIAL SYMBOL SIGNS SHALL BE ACCOMPANIED BY THE VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6 INCHES IN HEIGH.

3 WALL SIGN

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

C | H
calpo hom & dong
ARCHITECTS
& D

principals
ALAN C. HOM C 16979
DENNIS DONG C 12163
ANDY C. KWONG C 26500
LOANGLE R. NEWSOME C 22048
associates
KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

(N) RESTROOM AND DRINKING FOUNTAIN DETAILS

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

JJ

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

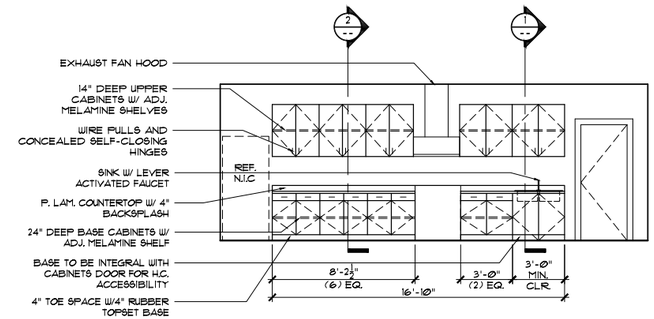
19136

SEPTEMBER, 2019

Drawing No.

A2.4

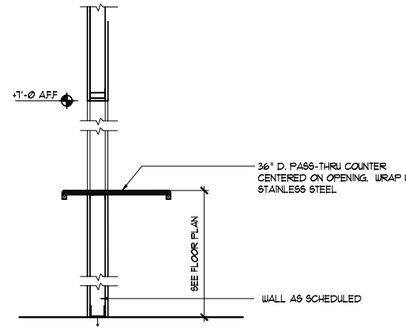
OF SHEETS



KITCHEN CASEWORK ELEVATION

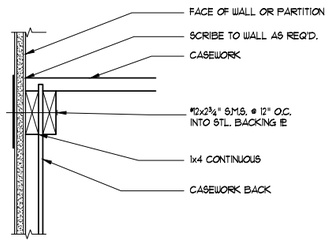
A

SCALE: 1/4"=1'-Ø"



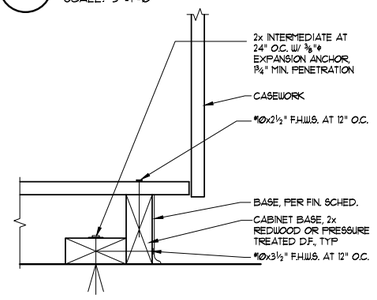
5 SERVICE COUNTER

SCALE: 3/4"=1'-Ø"



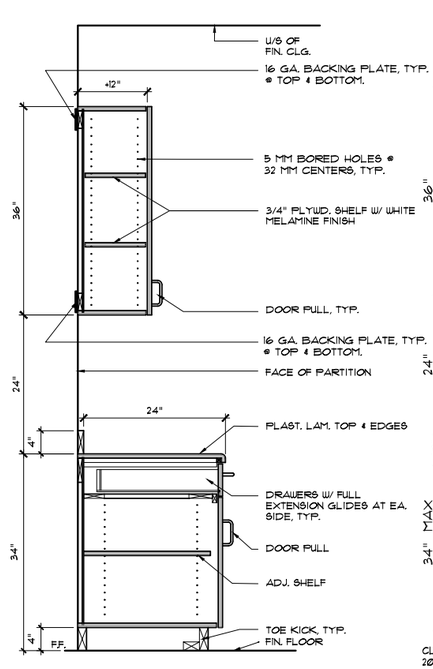
3 ANCHOR WALL

SCALE: 3"=1'-Ø"



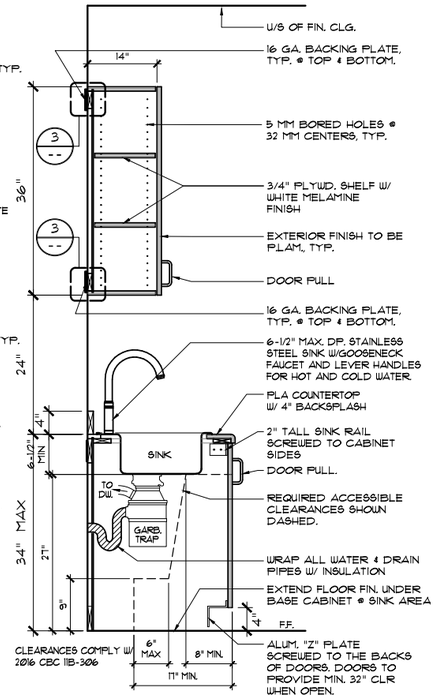
4 ANCHOR TOE KICK

SCALE: 3"=1'-Ø"



2 36 IN. UPPERS & LOWERS

SCALE: 1" = 1'-Ø"



1 36 IN UPPERS & LOWERS W/SINK + GDISP

SCALE: 1" = 1'-Ø"

principals

ALAN C. HOM C 16979

DENNIS DONG C 12163

ANDY C. KWONG C 26500

LOANGLE R. NEWSOME C 22048

associates

KARIN RYLANDER C 33806

2120 20TH STREET, SUITE ONE

SACRAMENTO, CALIFORNIA 95818

TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE

HAMILTON CITY, CA 95951

Sheet Title

ELEVATIONS AND DETAILS

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

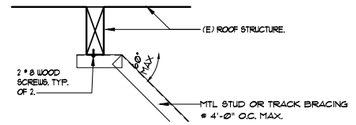
[redacted]	
Project Mgr.	JJ
[redacted]	

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW
[redacted]	19136	
[redacted]	SEPTEMBER, 2019	

Drawing No.

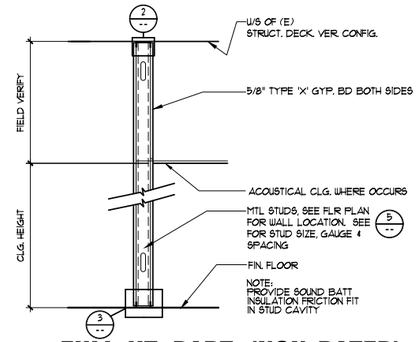
A2.5

OF SHEETS



4 PARTITION BRACING

SCALE: 1 ½" = 1'-Ø"



1 FULL-HT. PART. (NON-RATED)

SCALE: 1" = 1'-Ø"

Interior Non-Bearing Partitions

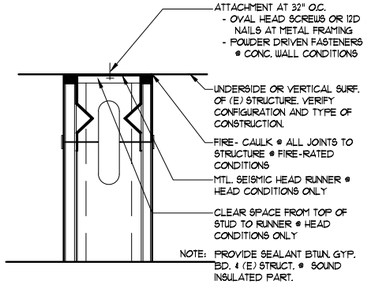
Maximum Height for Metal Studs with Deflection Limit L/240

24" oc spacing

Depth	Gauge	Type	Maximum Allowable Height
3 5/8"	25	xc	12'-Ø"
3 5/8"	22	xc	13'-9"
3 5/8"	20	xc	14'-9"
3 5/8"	18	xc	15'-11"
3 5/8"	16	xc	17'-1"
3 5/8"	14	xc	18'-3"

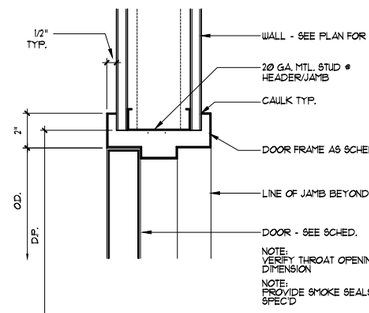
5 METAL STUD CHART

SCALE: NO SCALE



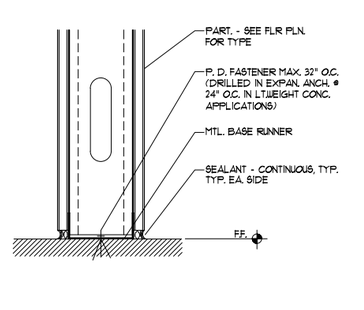
3 PARTITION HEAD/ END OF WALL SIM

SCALE: 3" = 1'-Ø"



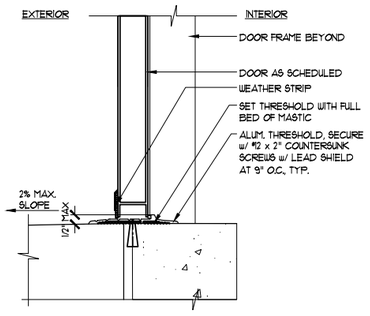
6 DOOR HD / JMB (INT.)

SCALE: 3" = 1'-Ø"



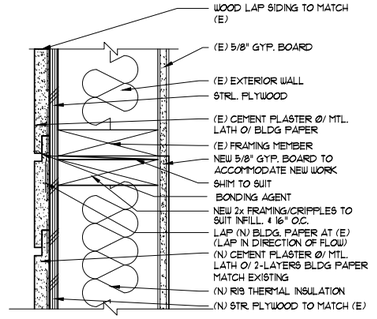
3 PARTITION SILL

SCALE: 3" = 1'-Ø"



7 THRESHOLD

SCALE: 3" = 1'-Ø"



3.1 EXT. WALL INFILL

SCALE: 3" = 1'-Ø"

C H
calpo hom & dong
A R C H I T E C T S
& D

principals

ALAN C. HOM	C16979
DENNIS DONG	C12163
ANDY C. KWONG	C26500
LOANGLE R. NEWSOME	C22048

associates

KARIN RYLANDER	C23896

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

DETAILS

LICENSED ARCHITECT ANDY C. KWONG C-26500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

JJ

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

19136

SEPTEMBER, 2019

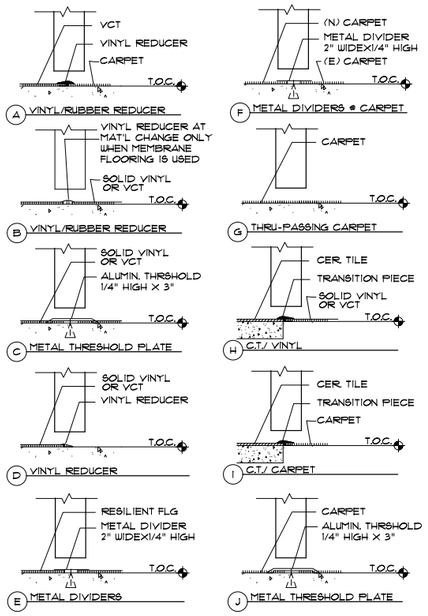
Drawing No.

A9.1

OF SHEETS

THRESHOLD DETAILS

NOTE: DENOTED BY —I—



FINISH NOTES

1. COORDINATE INSTALLATION OF RESILIENT BASE WITH MILLWORK. DELETE BASE WHERE BUILT IN CABINETS ARE INDICATED U.O.N. INSTALL BASE AT TOE SPACE OF ALL MILLWORK.
2. SUBMIT SAMPLES BEFORE PLACING FULL ORDERS WHERE MATERIALS ARE NOT RETURNABLE. NOTIFY ARCHITECT IMMEDIATELY OF LONG LEAD ORDER ITEMS.
3. ALL PAINT FINISH OF METAL PARTS OF DOOR FRAMES, PERIMETER ENCLOSURES, ETC., SHALL BE SEMI-GLOSS, UNLESS OTHERWISE NOTED (U.O.N.).
4. ALL PAINT SHALL BE APPLIED IN ACCORDANCE W / THE MANUFACTURER'S SPECIFICATION FOR THE PARTICULAR SURFACE.
5. ALL SURFACES SHALL BE PROPERLY PREPARED WITH SEALER PRIOR TO THE INSTALLATION OF WALLCOVERING PER MANUFACTURER'S RECOMMENDATION.
6. CONTRACTOR SHALL PAINT AND/OR FINISH NEW INTERIOR WALL W/ PAINT AND/OR FINISHES ACCORDING TO THE FINISH LEGEND. VERIFY WITH OWNER.
7. FLOAT ALL AREA WHERE FLOOR IS NOT LEVEL OR TRUE PRIOR TO FLOOR INSTALLATION.
8. NO SUBSTITUTIONS ALLOWED WITHOUT APPROVAL OF ARCHITECT.
9. PROVIDE TRANSITION STRIPS @ ALL DIS-SIMILAR FLOOR-COVERING U.O.N. SEE DETAILS BELOW.

FINISH LEGEND

WALL

PAINT:

PT-1	MANUFACTURER:	SHERWIN WILLIAMS
	STYLE/FINISH:	SEMI-GLOSS IN RIR
	COLOR/PATTERN:	SW - 7008 ALABASTER
	NOTE:	ON GYP BD. WALLS ONLY

COUNTERTOP FINISHES

CW-1	TYPE:	P. LAM
	MANUFACTURER:	TBD
	COLOR/PATTERN:	TBD
	NOTE:	COUNTER TOPS
CW-2	TYPE:	P. LAM
	MANUFACTURER:	TBD
	COLOR/PATTERN:	TBD
	NOTE:	VERTICAL FACES

BASE:

B-1	TYPE:	4" RUBBER BASE
	MANUFACTURER:	JOHNSONITE
	COLOR/PATTERN:	GATEWAY
	NOTE:	GYP BD. WALLS ONLY
B-2	TYPE:	PORCELAIN TILE
	MANUFACTURER:	DALTILE
	COLOR/PATTERN:	COVED - P685 BLANC LINEN - 4X8
	NOTE:	RESTROOM GYP BD/TILE WALLS ONLY

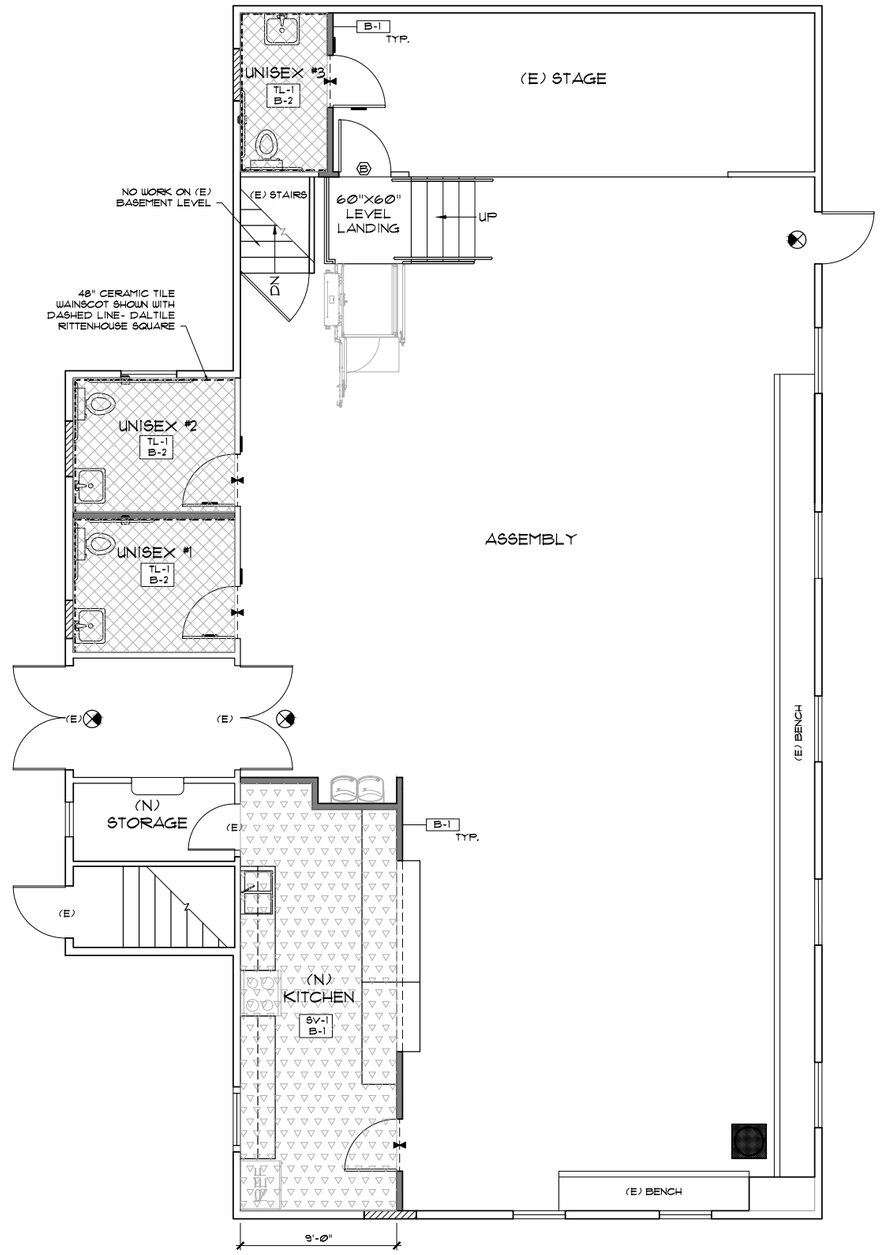
FLOOR:

SHEET VINYL

SV-1	MANUFACTURER:	TBD
	STYLE/FINISH:	TBD
	COLOR/PATTERN:	N/A
	SIZE:	SHEET VINYL
	NOTE:	N/A
	INSTALLATION:	T.B.D.

TILE

TL-1	MANUFACTURER:	TBD
	STYLE/FINISH:	TBD
	COLOR/PATTERN:	N/A
	SIZE:	TBD
	NOTE:	N/A
	INSTALLATION:	T.B.D.



COMMUNITY HALL - UPPER FLOOR FINISH PLAN

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

C H
calpo hom & dong
ARCHITECTS
& D

principals

ALAN C. HOM	C 16979
DENNIS DONG	C 12163
ANDY C. KWONG	C 26500
LOANGLE R. NEWSOME	C 22048

associates

KARIN RYLANDER	C 33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

COMMUNITY HALL UPPER FLOOR - FINISH PLAN

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

JJ

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

19136

SEPTEMBER, 2019

Drawing No.

A10.1

OF SHEETS

FINISH NOTES

1. COORDINATE INSTALLATION OF RESILIENT BASE WITH MILLWORK. DELETE BASE WHERE BUILT IN CABINETS ARE INDICATED U.O.N. INSTALL BASE AT TOE SPACE OF ALL MILLWORK.
2. SUBMIT SAMPLES BEFORE PLACING FULL ORDERS WHERE MATERIALS ARE NOT RETURNABLE. NOTIFY ARCHITECT IMMEDIATELY OF LONG LEAD ORDER ITEMS.
3. ALL PAINT FINISH OF METAL PARTS OF DOOR FRAMES, PERIMETER ENCLOSURES, ETC., SHALL BE SEMI-GLOSS, UNLESS OTHERWISE NOTED (U.O.N.).
4. ALL PAINT SHALL BE APPLIED IN ACCORDANCE W / THE MANUFACTURER'S SPECIFICATION FOR THE PARTICULAR SURFACE.
5. ALL SURFACES SHALL BE PROPERLY PREPARED WITH SEALER PRIOR TO THE INSTALLATION OF WALLCOVERING PER MANUFACTURER'S RECOMMENDATION.
6. CONTRACTOR SHALL PAINT AND/OR FINISH NEW INTERIOR WALL W/ PAINT AND/OR FINISHES ACCORDING TO THE FINISH LEGEND. VERIFY WITH OWNER.
7. FLOAT ALL AREA WHERE FLOOR IS NOT LEVEL OR TRUE PRIOR TO FLOOR INSTALLATION.
8. NO SUBSTITUTIONS ALLOWED WITHOUT APPROVAL OF ARCHITECT.
9. PROVIDE TRANSITION STRIPS @ ALL DIS-SIMILAR FLOOR-COVERING U.O.N. SEE DETAILS BELOW.

FINISH LEGEND

WALL

PAINT:

PT-1	MANUFACTURER:	SHERWIN WILLIAMS
	STYLE/FINISH:	SEMI-GLOSS IN RR
	COLOR/PATTERN:	SW - 7008 ALABASTER
	NOTE:	ON GYP BD. WALLS ONLY

BASE:

B-1	TYPE:	4" RUBBER BASE
	MANUFACTURER:	JOHNSONITE
	COLOR/PATTERN:	GATEWAY
	NOTE:	GYP BD. WALLS ONLY
B-2	TYPE:	PORCELAIN TILE
	MANUFACTURER:	DALTILE
	COLOR/PATTERN:	COVED - P685 BLANC LINEN - 4X6
	NOTE:	RESTROOM GYP BD/TILE WALLS ONLY

FLOOR:

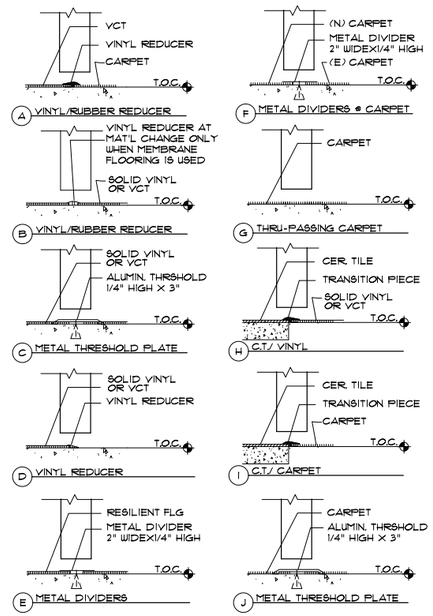
TILE

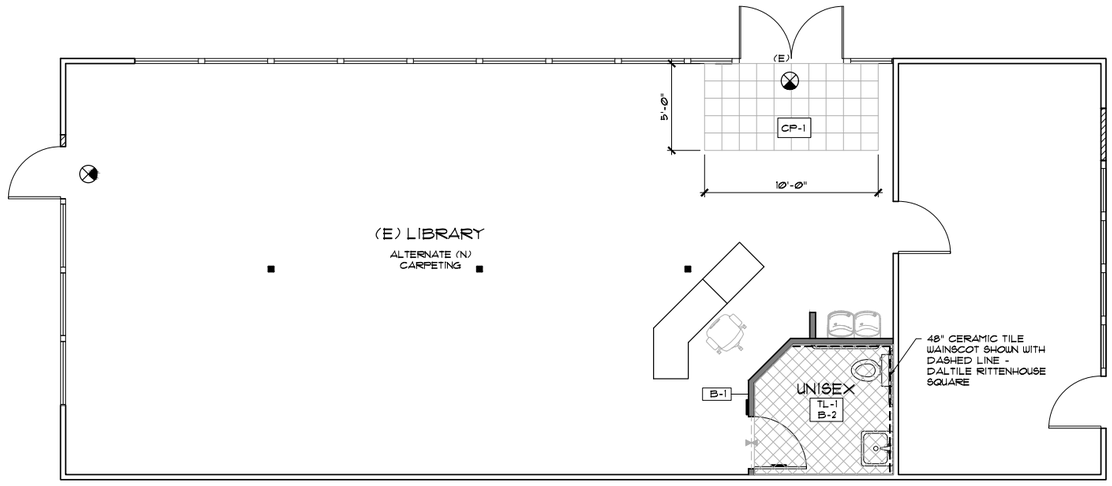
TL-1	MANUFACTURER:	DALTILE
	STYLE/FINISH:	TBD
	COLOR/PATTERN:	N/A
	SIZE:	TBD
	NOTE:	N/A
	INSTALLATION:	T.B.D.

CARPET

CP-1	MANUFACTURER:	INTERFACE
	STYLE/FINISH:	CARPET TILE - ENTRY LEVEL
	COLOR/PATTERN:	TBD
	SIZE:	--
	NOTE:	LIBRARY ENTRY
	INSTALLATION:	T.B.D.

THRESHOLD DETAILS NOTE: DENOTED BY —X—





LIBRARY - FINISH PLAN

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

C H
calpo hom & dong
ARCHITECTS
& D

principals
ALAN C. HOM C 16979
DENNIS DONG C 12163
ANDY C. KWONG C 26500
LOANGLE R. NEWSOME C 22048
associates
KARIN RYLANDER C33806

2120 20TH STREET, SUITE ONE
SACRAMENTO, CALIFORNIA 95818
TEL.916/446-7741 FAX 916/446-0457

consultant

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

LIBRARY - FINISH PLAN

LICENSED ARCHITECT ANDY C. KWONG C-26,500 REN. 09/21 STATE OF CALIFORNIA

ELECTRONICALLY SIGNED ON 11/12/19

[redacted] JJ

[redacted]

NO.	DATE	DESCRIPTION
	11/12/19	BID SET
	9/20/19	CLIENT REVIEW

[redacted] 1936

[redacted] SEPTEMBER, 2019

Drawing No.

A10.2

OF SHEETS

General

1. Interpretation of drawings & specifications
   - A) For convenience, specifications have been prepared for this project and are arranged in several sections, but such separation shall not be considered as the limits of the work required by any separate trade. The terms and conditions of such limitations are wholly between the contractor and his subcontractors.
   - B) In general, the working details will indicate dimensions, positions and kind of construction, and the specifications will indicate qualities and methods. Any work indicated on the working details mentioned but not in the specifications, or vice versa, shall be furnished as though fully set forth in both. Work not particularly detailed, marked, or specified, shall be the same as similar parts that are detailed, marked, or specified. If conflicts occur between drawings and specifications, the most expensive materials or methods will prevail.
   - C) Should an error appear in the working details or specifications or in work done by others affecting this work, the contractor shall notify the architect at once and in writing. If the Contractor proceeds with the work so affected without having given such written notice and without receiving the necessary approval, decision or instruction in writing from the owner, then he shall have no valid claim against the owner, for the cost of so proceeding and shall make good any resulting damage or defect. No verbal approval, decision, or instruction shall be valid or be the basis for any claim against the owner, its officers, employees or agents. The foregoing includes typical errors in the specifications or notational errors in the working details where the interpretation is doubtful or where the error is sufficiently apparent as to place a reasonably prudent contractor on notice that, should he elect to proceed, he is doing so at his own risk.
2. Construction shall conform to all applicable codes and regulations.
3. Shop Drawing Note:
   - A) Shop drawings shall be submitted in the form of one reproducible and two copies of each sheet.
   - B) The purpose of shop drawing submittals by the Contractor is to demonstrate to the Structural Engineer that he understands the design concept by indicating which materials he intends to furnish and install, and by detailing the fabrication and installation methods he intends to use.
   - C) Prior to fabrication, shop drawings shall be submitted for review to the Structural Engineer. Shop drawing submittals shall include, but are not necessarily limited to structural steel, reinforcing steel, glued laminated beams, and pre-fabricated wood roof framing items such as I-joists and trusses.
   - D) Prior to submission the Contractor shall review all submittals for conformance with the contract documents and shall stamp submittals as being "Reviewed for Conformance".
   - E) Shop drawing submittals processed by the Structural Engineer are not change orders.
   - F) Any detail on the shop drawing that deviates from the contract documents shall clearly be marked with the note "This Is a Change".
   - G) Shop drawings or calculations submitted for review that require resubmittal for re-review shall be billed hourly for such time to the General Contractor. Re-review will not proceed without written approval from the General Contractor for additional engineering review services.
4. Safety Note:
   - A) It is the Contractors responsibility to comply with the pertinent sections, as they apply to this project, of the "Construction Safety Orders" issued by the State of California latest edition, and all OSHA requirements.
   - B) The owner and the Structural Engineer do not accept any responsibility for the Contractor's failure to comply with these requirements.
   - C) The Contractor shall be responsible for adequate design and construction of all forms and shoring required.
5. The Contractor shall notify the Architect and Structural Engineer where a conflict or a discrepancy occurs between the structural drawings and any other portion of the contract documents or existing field conditions. Such notification shall be given in due time so as not to affect the construction schedule. In case of a conflict between structural and specifications, the more restrictive condition shall take precedence unless written approval has been given for the least restrictive. Contractor shall verify all dimensions with architectural and structural drawings prior to commencing any work.
6. Where no specific detail is shown, the construction shall be identical or similar to that indicated for like cases of construction on this project. Should there be any question, contact the Architect and Structural Engineer prior to proceeding.
7. When construction attaches to an existing building, a complete set of drawings of the existing building shall be kept on the job site. Contractor to obtain these drawings from the owner.
8. Contractor shall provide an allowance equal to 2% of the bid for structural steel, misc. iron, light gauge framing, and reinforcing steel to be used at the discretion of the structural engineer. Unused amount to revert to the owner upon completion of the job.
9. Any substitutions for structural members, hardware, or details shall be reviewed by the Architect and Structural Engineer. Such review will be billed on a time and materials basis to the General Contractor with no guarantee that the substitution will be allowed.
10. Do not scale drawings. Contact the Architect or Structural Engineer for any dimensions not shown.
11. These drawings are not complete until reviewed and accepted by the local building official and signed by the owner and the Structural Engineer.
12. All drawings and written material appearing herein constitutes the original and unpublished work of the Structural Engineer and the same may not be duplicated, used or disclosed without written consent of the Structural Engineer.
13. The structure shown on these drawings is structurally sound only in its completed form. The stability of this structure depends on the diaphragms and the bracing members shown. The Contractor is to provide for the design and construction of shoring for all earth, forms, concrete, steel, wood, and masonry to resist gravity, earth, wind, seismic, and construction loads. Shoring shall remain in place until all diaphragms and lateral resisting elements are in place in their entirety. Construction materials shall be spread out if placed on framed floors or roofs. Load shall not exceed the design live load per square foot.

Foundations

1. Foundation construction shall be done in accordance with the 2016 CBC & all local ordinances.
2. All building pad preparation and foundation work shall be done in accordance with the requirements of the 2016 CBC.
3. The Inspection Agency shall observe all footing excavations prior to placement of reinforcing steel and concrete.
4. Foundation depths indicated on plans are below undisturbed/compacted, non-expansive soil. Unexpected soil conditions shall be brought to the Architect's attention immediately.
5. When structural observation is required, structural engineer shall observe footing reinforcing steel prior to concrete placement. Provide 48 hours notice to structural engineer prior to concrete placement.
6. The contractor shall be solely responsible for all excavation procedures including, but no limited to, lagging, shoring and protection of adjacent property, structures, streets, and utilities in accordance with the local building department.
7. Foundation type: conventional spread footings
8. Spread footing design values:

Allowable Bearing Pressure	
Basic Load Combinations	1500 psf
Alt ASD w/ wind or seismic	2000 psf
Lateral Resistance	
Passive Pressure	100 pcf/ft below natural grade (up to 15')
Coefficient of Friction	N/A
Minimum Footing Dimensions	
Depth = 12"	
Width = 12"	

Concrete

1. Structural concrete shall attain 28-day compressive strength as required in note #30. Maximum slump shall not exceed 4".
2. Concrete mix designs shall be prepared by a registered Civil Engineer, reviewed by Owner's testing laboratory and submitted to the Structural Engineer for review. Selection of concrete mix proportions shall be per ACI 318-14 Section 26.4.3. & 26.4.4.
3. Cementitious materials:
   - Cement shall conform to ASTM C-150 type I or II.
   - Fly ash shall conform to ASTM C-618. Max quantity of fly ash shall be as given in specs (15% max un.o.)
4. Concrete aggregates shall conform to ASTM C-33 for normal weight concrete and ASTM C-330 for light weight concrete.
5. Water shall be clean and free from injurious amounts of oils, acids, alkalis, salts, organic materials or other substances deleterious to concrete or reinforcement.
6. Non-shrink grout or drypack shall consist of a premixed nonmetallic formula. See note #21 for additional information.
7. Reinforcing steel shall conform to ASTM A615-grade 60 for #4 and larger, and ASTM A615-grade 40 for #3 and smaller, except reinforcing steel to be welded shall conform to ASTM A706. Contractor shall submit rebar mill certificates.
8. Welded wire fabric shall conform to ASTM A-1064.
9. All preheating and welding of reinforcing bars shall be done in accordance with AWS D1.4 latest edition and shall be continuously inspected by a qualified laboratory. Contractor shall furnish WPS for all rebar welding to the laboratory.
10. Reinforcing steel shall be fabricated according to "Manual of Standard Practice for Reinforced Concrete Construction".
11. Dimensions given for location of reinforcing are to the face of bars listed and denote clear coverage. Non-prestressed, cast-in-place concrete coverage shall be as follows, un.o.:

Cast against earth (except slabs)	3"
Cast in forms and exposed to earth or weather	
#6 & larger	2"
#5 & smaller	1½"
Beams & columns (ties)	1½"
Beams & columns (main reinf)	2"
Cast-in-place walls	
(exterior face & soil side)	see above
Cast-in-place walls	
(interior face - #11 & smaller)	¾"
Tilt-up walls	see details
Slabs (on forms)	¾"
Slabs (on ground)	2" clr from top un.o.

12. Splices in continuous reinforcement shall be lapped un.o., lap bars 48 bar diameters un.o. Splices in adjacent bars shall be greater than 5'-0" apart. Splice continuous bars in soil-bearing grade beams, structural slabs on grade and mat foundations as follows un.o.: top bars at centerline of support; bottom bars at mid-span. Splice continuous bars in elevated slabs and beams, etc. as follows un.o.: top bars at mid-span bottom bars at centerline of support. All bars size #14 and larger shall be continuous for full length shown or spliced with mechanical couplers as noted in details. Splices in WWF shall overlap 2 squares minimum.
13. The minimum clear spacing between parallel bars in a layer shall not be less than the larger of bar diameter, 1", or 33% greater than the maximum aggregate size (nominal), whichever is greatest. This requirement also applies to the clear spacing between different layers of parallel bars and to the clear distance between a contact lap splice and adjacent splices or bars.
14. All hooks shall be standard hooks unless otherwise shown or noted. At walls, provide hooks at ends of all reinforcing ends, corners and intersections, u.n.o.
15. Provide construction/control joints @ all slabs on grade as noted on plan. Proposed joint plan shall be submitted to the Structural Engineering for approval prior to construction. Concrete surface at construction joints shall be thoroughly cleaned and laitance removed. Where indicated on drawings, roughen concrete surface to ¼" amplitude. Concrete may be roughened by chipping the entire surface, sand blasting, or raking the surface to provide ¼" deep deformations.
16. Remove all debris from forms before casting any concrete.
17. Reinforcing, dowels, bolts, anchors, sleeves, etc., to be embedded in concrete shall be securely positioned in forms before placing concrete.
18. Pipes and electrical conduits shall not be embedded in structural concrete or concrete fill over metal decking except where specifically approved by the Structural Engineer.
19. Anchor bolts (AB's) cast in concrete or masonry for wall sill and ledger/ applications shall be headed bolts with cut threads conforming to ASTM A307 or F1554 u.n.o. Refer to "Wood notes" for additional requirements for bolts in contact with pressure treated or fire retardant material. Refer to "Structural steel" note for requirements for anchor rods cast in concrete for column base plate and steel embed applications.
20. Walls shall be cast in horizontal layers of 2'-0" maximum depth.
21. Concrete in walls, piers or columns shall set at least 2 hours before placing concrete in beams, spandrels, or slabs supported thereon.
22. Consolidate concrete placed in forms by mechanical vibrating equipment supplemented by hand-spading, rodding or tamping. Use equipment and procedures for consolidation of concrete in accordance with the recommended practices of ACI 309 to suit the type of concrete and project conditions. Concrete shall not be dropped through reinforcing steel (as in walls) so as to cause segregation of aggregates. In such cases hoppers and chutes or trunks of variable lengths shall be used so that the free unconfined fall of concrete shall not exceed 6 feet.
23. Drill through steel columns, beams and plates to pass continuous reinforcing, u.n.o.
24. No wood spreaders allowed. No wood stakes allowed in areas to be concreted.
25. Additional reinforcing in precast or tilt-up panels required for lifting stresses shall be supplied by Contractor.
26. Provide #5x4'-0" diagonal reinforcing at mid-depth of slab at all re-entrant corners typical. This applies to slab on grade, concrete over metal deck, and elevated structural slab conditions.
27. Place non-shrink grout under base plates, sill plates, etc as indicated on the drawings. Non-shrink grout shall be Masterflow 928 Grout by Master Builders Technologies or approved equal with a minimum f'c of 7500 psi @ 28 days.
28. All saw cutting shall be done after initial set has occurred to avoid tearing or damage by the saw blade, but before initial shrinkage has occurred.
29. Notify Structural Engineer a minimum of 48 hours before placing any concrete.
30. Concrete strength: (max slump = 4")

Use	f'c @ 28 days	Max Aggregate Size	Density (lbs/ft3)	Max W/C Ratio
Foundations	3000 psi	1½"	145	0.58
Slab-on-grade	3500 psi	1"	145	0.45
Tilt-up walls	4000 psi	1"	145	0.50
Concrete fill o/ metal deck	3500 psi	⅜"	145	0.52
Exterior flatwork	2500 psi	1"	145	0.60
Conc topping @ elevated flr	2500 psi	⅜"	115	.60

31. Development lengths shall be provided per the table below unless noted otherwise.

Bar	Straight Bars f'c 3000 psi	Straight Bars f'c 4000 psi	Bar	With Standard Hooks f'c 3000 psi	With Standard Hooks f'c 4000 psi
#3	15"	21"	#3	6"	6"
#4	24"	25"	#4	11"	10"
#5	36"	31"	#5	14"	12"
#6	43"	37"	#6	17"	15"
#7	63"	54"	#7	20"	17"
#8	72"	62"	#8	22"	19"
#9	80"	70"	#9	25"	22"
#10	84"	78"	#10	28"	24"
#11	98"	85"	#11	31"	26"

Demolition

1. Safety Notes:
   - A. It is the Contractor's responsibility to comply with the pertinent sections, as they apply to this project, of the "Construction Safety Orders" issued by the State of California, latest edition, and all OSHA requirements.
   - B. The Structural Engineer and Owner do not accept any responsibility for the Contractor's failure to comply with these requirements.
2. Shore or brace trusses, beams columns, and walls as required to maintain the stable integrity of the existing structure prior to demolition. It is the Contractor's sole responsibility to design and provide competent shoring and bracing for all loads imposed during and after demolition through completion of new construction.
3. All dimensions given to and of the existing structure are approximate. Verify by field measurements the dimensions of the existing structure. Where actual conditions deviate from the details shown on the drawings, notify the Structural Engineer for instructions prior to proceeding with work.
4. Demolition and removal of existing construction shall be made in such a manner as to avoid or minimize damage to adjacent construction.
5. Extent of demolition is to be as indicated on plans, sections and details. Demolition is to include removal and disposal construction.

Test and Inspections

1. Tests and Inspections shall be provided as required below and shall conform to the requirements of 2016 CBC, Chapter 17.
2. All Test and Inspections shall be performed by a certified special inspector from an established Testing & Inspection Company, unless noted otherwise. Jobsite visits by the Structural Engineer do not constitute inspections and are not a substitute for special inspection.
3. The special inspector shall observe the work indicated for conformance with the approved construction documents.
4. The special inspector shall furnish inspection reports to the building department, the engineer or architect of record, and other designated persons. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority and to the building department.
5. The special inspector shall submit a final signed report stating whether the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved construction documents and the applicable workmanship provisions of the 2016 CBC.
6. It is the contractor's sole responsibility to see that these tests and inspections are performed.
7. Required Tests and Inspections are indicated below with a solid filled rectangle " ■ ".
8. Continuous notation indicates the full-time observation of work requiring special inspection by an approved special inspector who is present at the work area. Periodic notation indicates the intermittent observation of work.

Tests & Documentation/Certification Required

Note: Coordinate with building department Test & Inspection form.

		Continuous	Periodic
☐	A. Compact fill		
■	B. Concrete mix design, cement, aggregates & admixtures		
☐	C. Concrete strength f'c test		
■	D. Reinforcing steel mill certification		
☐	E. Structural steel mill certification		
☐	F. Structural steel, cold formed steel, and anchor bolt sampling & testing (if not properly identified)		
☐	G. Non-destructive weld test for all complete penetration groove welds by Ultrasonic testing or Radiography		
☐	H. Masonry strength f'm		
☐	I. Masonry mortar, grout proportion, aggregates, additives		
☐	J. Post installed anchors: Expansion / Epoxy Anchors		
☐	K. High strength bolts, nuts and washers		
☐	L. End-welded studs		
☐	M. Buckling Restrained Brace (Load Test)		
☐	N. Beam to column moment connection		
☐	O. Veneer bond strength test		
☐	P. Concrete prestressing tendons and anchorage		
☐	Q. Shotcrete preconstruction test		
☐	R. Shotcrete strength & core test		
☐	S. Prefabricated Items		
☐	T. Test to support alternative designs		
☐	U. Isolator unit prototype & production testing		
	Verification and Inspection	Continuous	Periodic
	A. STEEL		
☐	1. Material verification of high-strength bolts, nuts & washers	○	●
☐	2. Inspection of high-strength bolting, bearing & typical connections	○	●
☐	3. Inspection of Welding Structural Steel: (field/shop)		
☐	Complete & partial penetration groove welds	●	○
☐	Multi-pass fillet welds	●	○
☐	Single-pass fillet welds > 5/16"	●	○
☐	Single-pass fillet welds ≤ 5/16"	○	●
☐	Floor and roof deck welds	○	●
☐	4. Inspection of Steel Frame Joint Details for Compliance with Approved Construction Documents	○	●
☐	5. Automatic end-weld stud shear connectors	○	●
	B. CONCRETE		
■	1. Concrete Placement	●	○
■	2. Inspection of reinforcing steel & placement	○	●
☐	3. Inspection of anchors cast in concrete	○	●
☐	4. Precast concrete attachments & Inserts	○	●
☐	5. Erection of precast concrete members	○	●
	C. WOOD		
☐	1. Verify grade and thickness of sheathing	○	●
☐	2. Verify nominal size of framing members at adjoining panel edges	○	●
☐	3. Verify nail diameter and length, number of fastener lines, spacing between fasteners in each line and at edge margins	○	●
☐	4. Verify positive connection of wood members supporting balcony or deck connections to exterior walls prior to concealment	○	●
	D. MASONRY PLACEMENT & GROUTING	○	●
	Note: refer to ACI 530-11 Table 1.19.2 & 1.19.3		
☐	1. Level B masonry inspection (Risk Categories I, II, III)		
☐	2. Level C masonry inspection (Category IV, DSA, OSHPD)		
	E. SOIL (by Geotechnical Engineer)		
☐	1. Footing excavation	○	●
☐	2. Fills/Fill+ foundation	●	○
☐	3. Material verification below footing	○	●
☐	4. Excavation verification to proper depth	○	●
☐	5. Placement and compaction of controlled fill	●	○
☐	6. Site preparation prior to placement of controlled fill	○	●
	F. POST INSTALLED ANCHORS		
☐	1. Expansion anchor installation	○	●
■	2. Epoxy anchor installation	●	○

Design Criteria

BEVIER

1. Code: 2016 California Building Code (CBC)
2. Design Live Loads: N/A
3. Snow Design Parameters: N/A
4. Wind Design Parameters: N/A
5. Earthquake Design Parameters:
   - 5.1. Seismic Importance Factor: Ie = 1.0
   - 5.2. Risk Category: II
   - 5.3. Soil Site Classification: "D"
   - 5.4. Seismic Design Category: "D"
   - 5.5. Mapped Spectral Response Accel
     - A) Short period: Ss = 0.633g
     - B) 1-sec period: S1 = 0.286g
   - 5.6 Design Spectral Response Accel
     - A) Short Period: Sds = 0.546g
     - B) 1-sec period: Sd1 = 0.349g
   - 5.7 Seismic Force Resisting System: N/A
   - 5.8 Seismic Base Shear: N/A
   - 5.9 Seismic Response Coefficient: N/A
   - 5.10 Component Amplification Factor: N/A
   - 5.11 Component Response Modification Factor: N/A
   - 5.12 Analysis Procedure: Equivalent Lateral Force

Abbreviations

addl ..... Additional
alt ..... Alternate
AISC ..... American Institute of Steel Construction
APA ..... American Plywood Association
ASTM ..... American Society for Testing and Materials
AWS ..... American Welding Society
AB ..... Anchor bolt
& ..... And
arch ..... Architect/Architectural
@ ..... At
b.o. ..... Bottom of
bm ..... Beam
brg ..... Bearing
btr ..... Better
btwn ..... Between
blkg ..... Blocking
B.S. ..... Both sides
bott ..... Bottom
BN ..... Boundary nail
clg ..... Ceiling
cc ..... Center to center
℄ ..... Center line
clr ..... Clear
col ..... Column
CP ..... Complete Penetration
conc ..... Concrete
CMU ..... Concrete masonry unit
conn ..... Connection
C.J ..... Construction Joint
cont ..... Continuous
csk ..... Countersink
CTJ ..... Control Joint
DL ..... Dead Load
det ..... Detail
diag ..... Diagonal
dia ..... Diameter
do ..... Ditto
D.F. ..... Douglas Fir
dbl ..... Double
dn ..... Down
dwg ..... Drawing
ea ..... Each
E.F. ..... Each Face
embed ..... Embedment
EN ..... Edge Nail
E.W. ..... Each Way
elev, el ..... Elevation
eq ..... Equal
equip ..... Equipment
(e) ..... Existing
E.J. ..... Expansion Joint
F.C. ..... Face of Concrete
F.B. ..... Face of Block
F.M. ..... Face of Masonry
F.P. ..... Face of Plywood/Sheathing
F.S. ..... Face of Stud
fin ..... Finish
F.F. ..... Finish Floor
F.G. ..... Finish grade
flr ..... Floor
ftg ..... Footing
fnd ..... Foundation
f.o. ..... Face of
frmg ..... Framing
galv ..... Galvanized
ga ..... Gauge
glb ..... Glued-laminated beam
G.L. ..... Grid Line
hgr ..... Hanger
hdr ..... Header
ht ..... Height
HSB ..... High strength bolt
HSS ..... Hollow Steel Section
hk ..... Hook
horiz ..... Horizontal
I.d. ..... Inside diameter
int ..... Interior
inv ..... Inverted
jst ..... Joist
jh ..... Joist hanger
L.S. ..... Lag screw
lt. wt. ..... Light weight
LL ..... Live Load
LLH ..... Long leg horizontal
LLV ..... Long leg vertical
LVL ..... Laminated Veneer Lumber
MB ..... Machine bolt
mfr. ..... Manufacturer
max ..... Maximum
mech ..... Mechanical
MI ..... Malleable Iron
min ..... Minimum
misc ..... Miscellaneous
mtl ..... Metal
N.I.C. ..... Not In contract
(N) ..... New
nts ..... Not to scale
..... Number or pounds
o/ ..... Over
oc ..... On center
OWJ ..... Open web joist
opng ..... Opening
opp ..... Opposite
O.H. ..... Opposite Hand
o.d. ..... Outside diameter
PP ..... Partial penetration
pc ..... Precast
℄ ..... Plate
ply, plywd ..... Plywood
pcf ..... Pounds per cubic foot
psf ..... Pounds per square foot
psi ..... Pounds per square inch
PAF ..... Power Actuated Fasteners
PTDF ..... Pressure Treated Douglas Fir
r, rad ..... Radius
RDWD ..... Redwood
reinf ..... Reinforcing
req'd ..... Required
rf ..... Roof
R.O. ..... Rough opening
rd ..... Round or diameter
sched ..... Schedule
S.A.D. ..... See architectural drawings
S.E.D. ..... See electrical drawings
S.M.D. ..... See mechanical drawings
SMS ..... Sheet Metal Screws
SDS ..... Simpson Strong-Drive Screw
SDSTS ..... Self drilling self tapping screw
SC ..... shear conector ⅜"ø un.o.)
shtg ..... Sheathing
sht ..... Sheet
SMS ..... Sheet metal screw
slm ..... Similar
s.o.g. ..... Slab on grade
□ ..... square
stagg ..... Staggered
std ..... Standard
stl ..... Steel
sstl ..... Stainless Steel
stfnr ..... Stiffener
struct ..... Structural
SP ..... structural plywood
SPFN ..... structural plywood edge nailing
symm ..... Symmetrical
TN ..... Toe nail
t.b.o. ..... Top & bottom
t.o.c. ..... Top of concrete
t.o.f. ..... Top of framing
t.o.℄ ..... Top of plate
t.o.s. ..... Top of Steel
t.o.w. ..... Top of Wall
t.&g ..... Tongue & Groove
TS ..... Tube Steel
typ. ..... Typical
u.n.o. ..... Unless noted otherwise
vert ..... Vertical
v.i.f. ..... Verify in field
w/ ..... With
w/in ..... Within
w/o ..... Without
WS ..... Wood screw
WP ..... Working point
WHS ..... Welded headed studs
WWF ..... Welded wire fabric
WCLIB ..... West Coast Lumber Inspection Bureau

Adhesive Anchors-Concrete

1. Where "Hilti" or "Simpson" post-installed adhesive anchors in concrete are called out on plan, the following Hilti or Simpson adhesive products shall be used, respectively. Substitutions between or for other products shall be approved by the engineer prior to use:
   - A. Hilti HIT-HY 200 Epoxy Adhesive as manufactured by Hilti, Inc. ICC Report No. ESR-3187 re-issued March 2018.
   - B. Simpson "SET-XP" Adhesive Anchors as manufactured by Simpson Strong-Tie, Inc. ICC-ES Report No. ESR-2508 reissued July 2017.
2. Installation, inspection & testing of anchors shall be in accordance with the manufacturer's recommendations, ICC-ES report and these notes.
3. Threaded rod anchors shall be F1554, Grade 36 un.o.
4. Continuous special inspection is required in accordance with CBC Section 1701. Special Inspector must verify product, expiration date, concrete type and strength, anchor diameter and steel grade, compliance of drill bit, hole diameter and location, cleanliness of hole and anchor, adhesive application, and anchor embedment. See "Test and Inspections" section of plans for additional information.
5. Where pull-test loads are designated on plan, each anchor type (loaded in either pullout or shear) shall have 50% of the anchors (alternate in each group arrangement) tested in tension to the tension load shown. If any anchor fails testing, all anchors of the same type not previously tested shall be tested until 20 consecutive anchors pass, then initial testing frequency may be resumed. Where pull-test loads are not shown, pull-testing is not required.
6. The testing of the anchors shall be done by the Testing Laboratory and a report of the test results shall be submitted to the Building Dept. and the Architect/Structural Engineer. Testing shall occur after full epoxy cure time has elapsed (24 hours min). Where the number of anchors of a specific size and type exceed 100, the following testing procedure may be used. The first 40 anchors shall be tested as specified in note 5 above, then 10% of the additional anchors shall be tested. Any failure shall be handled in the same manner as specified in note 5 above.
7. When installing anchors in existing concrete do not cut or damage existing reinforcing bars. Locate existing reinforcing bars with pachometer or x-ray if required.

CH calpo hom & dong ARCHITECTS & D

RUDY CALPO
ALAN C. HOM
DENNIS DONG
ANDY C. KWONG
LOANGLE R. NEWSOME
KARL CHAN
JOHN R. PETRUCELLI
KARIN RYLANDER
JILL HAW

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

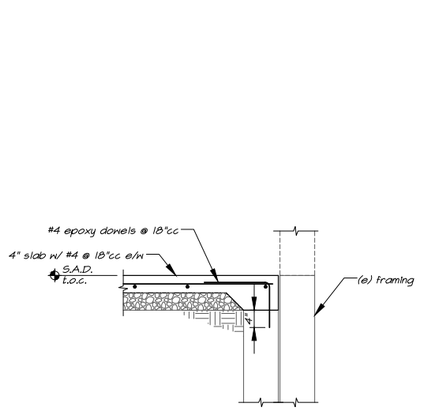
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

NO.	DATE	DESCRIPTION

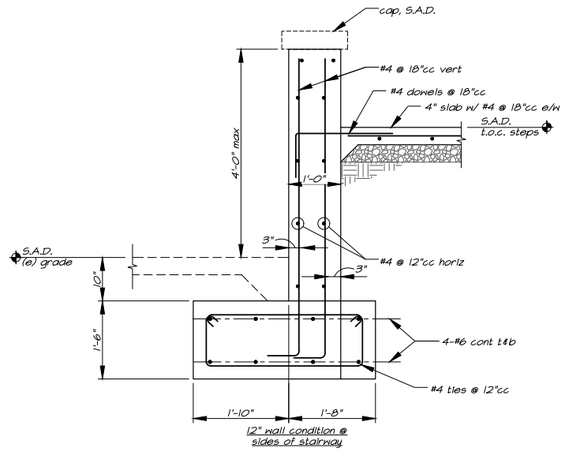
Drawing No.

S1.1

OF SHEETS

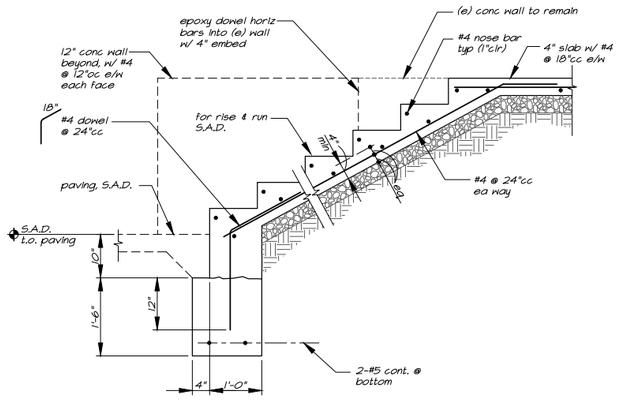


Detail C S1.2 3/4"=1'-0"

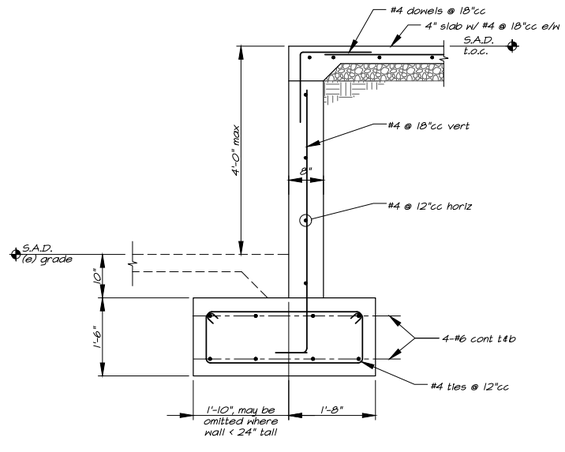


12" wall condition @ sides of stairway

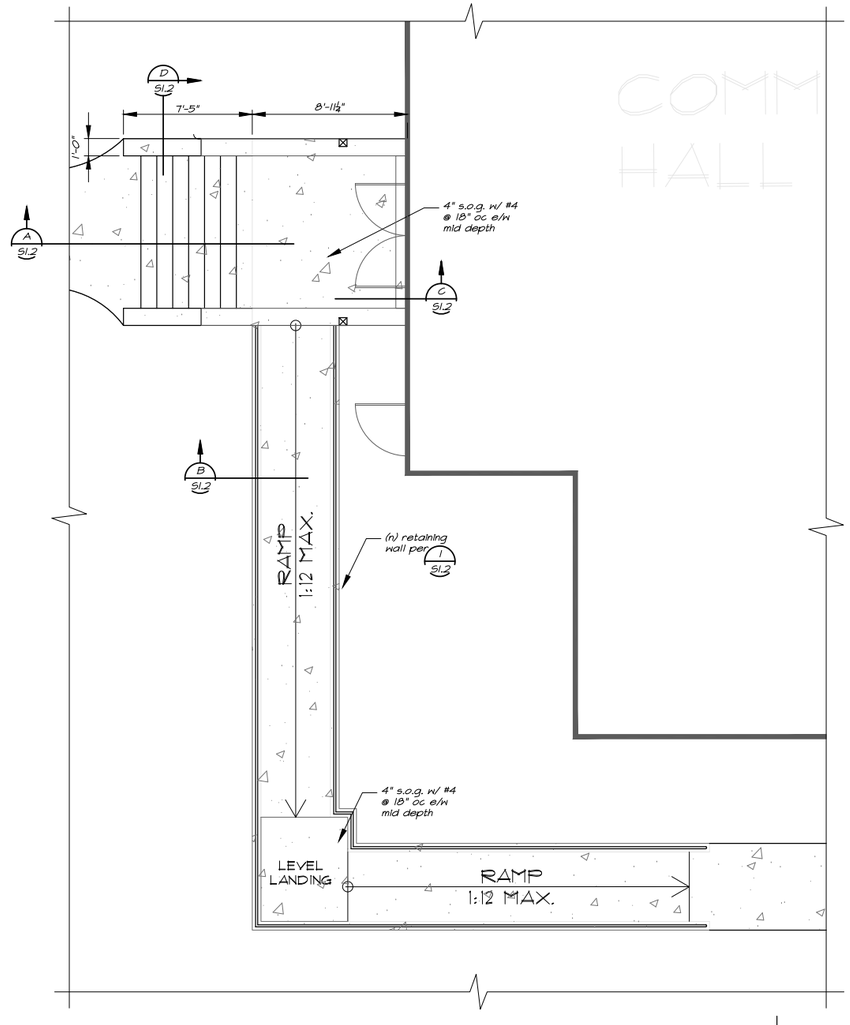
Detail D S1.2 3/4"=1'-0"



Detail A S1.2 3/4"=1'-0"



Detail B S1.2 3/4"=1'-0"



1 S1.2 Site Plan (for reference only) See Civil N.T.S.

North

BEVIER

[redacted]

C|H
calpo hom & dong
architects
&|D

RUDY CALPO
ALAN C. HOM
DENNIS DONG
ANDY C. KWONG
LOANGLE R. NEWSOME
KARL CHAN

JOHN R. PETRUCELLI
KARIN RYLANDER
JILL HAW

Project

INTERIOR TENANT IMPROVEMENT FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

[redacted]

NO.	DATE	DESCRIPTION

[redacted]

Drawing No.

S1.2

OF SHEETS

Exhaust Fan Schedule

EF 1

AirKing Model EB0SG CEILING EXHAUST FAN WITH INTEGRAL MOTION SENSOR
- 80 CFM @ 0.10" SP | <0.3 SONES
- 120V/1ph/60hz 37.0 Watts 0.3 Amps
- SET DELAY-OFF TO 15 MINUTES.

KH 1

GENERAL ELECTRIC Model JVX530DJWW UNDER CABINET RANGE HOOD
- TWO-SPEED LOW = 100 CFM @ 1.5 SONES
  HIGH = 270 CFM @ 4.5 SONES
- 120V/1ph/60hz
- 7"ø VENT TO OUTSIDE

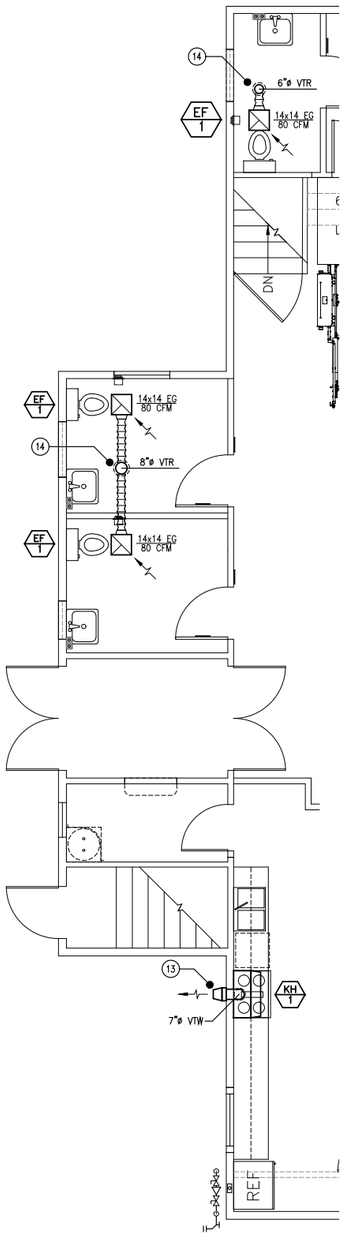
Abbreviations

1. ABBREVIATIONS:

CWS	COLD WATER SUPPLY
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
SS	SANITARY SEWER
GW	GREASE WASTE
VB	VENT BRANCH
VR	VENT RISER
VTR	VENT-THRU-ROOF
U.S.	UNDER SLAB
U.G.	UNDER GROUND
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFC	ABOVE FINISHED CEILING
FCO	FLOOR CLEANOUT
COTG	CLEANOUT TO GRADE
CD	CONDENSATE DRAIN
(E)	EXISTING
(N)	NEW
(R)	RELOCATED
P.O.C.	POINT-OF-CONNECTION
TDL	TOTAL DEVELOPED LENGTH
RWL	RAINWATER LEADER
OFL	OVERFLOW LEADER
F.U.	FIXTURE UNITS
[F]	FILTERED WATER SUPPLY

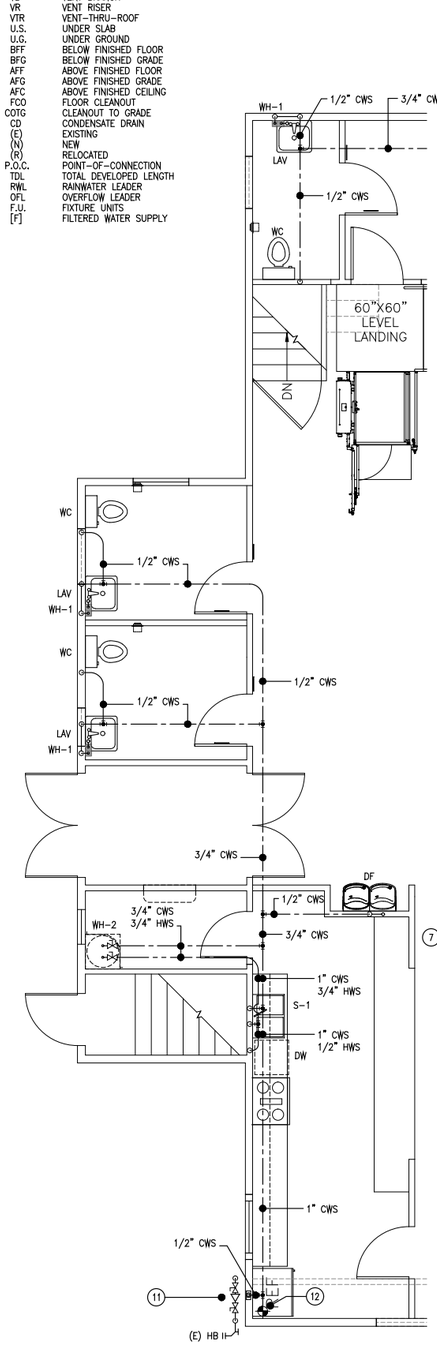
FIELD VERIFY

FIELD VERIFY EXISTING SITE/PROJECT CONDITIONS PRIOR TO CONSTRUCTION - REPORT ALL DISCREPANCIES WITH THESE PLANS TO THE DESIGN ENGINEER FOR CLARIFICATION AND/OR REVISION. ADDITIONAL CONSTRUCTION COSTS RESULTING FROM UNREPORTED DISCREPANCIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.



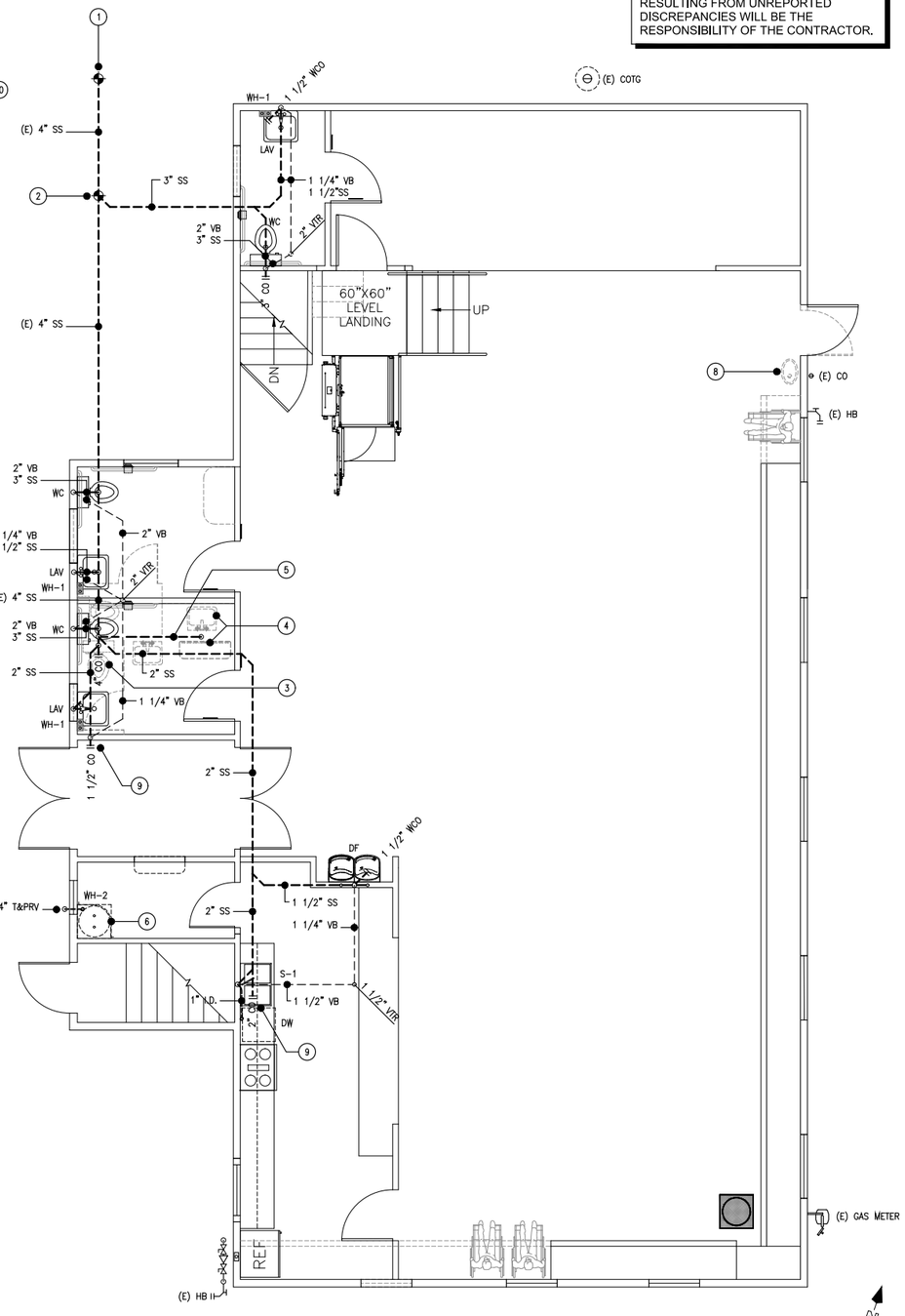
Exhaust Fans

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



COMMUNITY HALL | Water

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



COMMUNITY HALL | Waste & Vent

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

Keynotes

1. (EXISTING) 4"ø SANITARY SEWER POINT-OF-CONNECTION - FIELD VERIFY.
2. (NEW) 3"ø SANITARY SEWER BRANCH LINE POINT-OF-CONNECTION.
3. (EXISTING) 4"ø SANITARY SEWER END OF LINE CLEANOUT BELOW FLOOR
4. OUTLINE OF EXISTING PLUMBING FIXTURES BEING REMOVED - SHOWN DASHED.
5. (EXISTING) 2"ø SANITARY SEWER LINE BELOW TO BE ABANDONED IN PLACE
6. LOCATION OF 30-GALLON ELECTRIC WATER HEATER IN ELEVATED ALCOVE IN BASEMENT
7. TERMINATE 3/4"ø T&PRV +12" ABOVE FINISHED GRADE WITH TURNED-DOWN ELBOW.
8. (EXISTING) DRINKING FOUNTAIN TO BE REMOVED - CAP WASTE AND WATER LINES BELOW FLOOR LEVEL
9. (NEW) SANITARY SEWER END OF LINE CLEANOUT BELOW - SIZE AS DENOTED ON PLANS.
10. (NEW) 3/4"ø COLD WATER SUPPLY (CWS) LINE FROM BASEMENT KITCHEN FIXTURES
11. (EXISTING) 1"ø DOMESTIC WATER SERVICE ENTRANCE WITH BACKFLOW ASSEMBLY.
12. (NEW) 1"ø COLD WATER SUPPLY (CWS) POINT-OF-CONNECTION.
13. (NEW) TERMINATE RANGE HOOD IN BUILDING SIDEWALL WITH G.I. WEATHERHOOD - PAINT TO MATCH BUILDING.
14. (NEW) EXHAUST FAN ROOF TERMINATION WITH G.I. WEATHERHOOD - PAINT TO MATCH ROOF. - SIZE AS DENOTED ON PLANS.

Plan Notes

1. APPLICABLE CODES:

- 2016 California Building Code	Part 2
- 2016 California Electrical Code	Part 3
- 2016 California Mechanical Code	Part 4
- 2016 California Plumbing Code	Part 5
- 2016 California Energy Code (Title 24)	Part 6
- 2016 California Fire Code	Part 9
- 2016 California Green Building Standards	Part 11

2. FIELD VERIFY ALL WASTE, VENT AND WATER CONNECTION POINTS.
3. SEE SHEET P2FOR PLUMBING SCHEDULES AND CALCULATIONS.
4. SEE SHEET P3 FOR PLUMBING DETAILS & GENERAL NOTES
5. FIXTURES WITH QUICK-ACTING VALVES SHALL BE PROVIDED WITH A WATER HAMMER ARRESTER INSTALLED IN THE WATER LINE AS CLOSE TO THE QUICK-ACTING VALVE AS POSSIBLE PER 2016 CPC Section 609.10.
6. FOR "STANDARD" WATER DISTRIBUTION SYSTEMS WITHOUT PUMPS (RECIRCULATING), WATER PIPES SHALL BE INSULATED AS FOLLOWS:
   1) THE FIRST FIVE (5) FEET OF PIPES FROM THE HOT WATER STORAGE TANK SHALL BE INSULATED FOR BOTH HOT AND COLD WATER PIPES.
   2) HOT WATER PIPES FROM THE WATER HEATER TO THE KITCHEN SHALL BE INSULATED PER TITLE 24 Section 150(j).
7. SEAL ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES PER DETAIL 5/P3 - COORDINATE WITH ARCHITECTURAL DRAWINGS.
8. HOT WATER TEMPERATURE TO PUBLIC LAVATORIES SHALL SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 110°F PER CBC Section 3115B.4.3.
   - WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED CONTROL FOR MEETING THIS PROVISION. *POINT-OF-USE WATER HEATER(S) FACTORY SET TO LESS THAN 110°F AND MEET THIS CRITERIA.
   - THE TEMPERATURE LIMIT CONTROL SHALL NOT BE ADJUSTABLE BY THE BATHER.
9. EXISTING PLUMBING MATERIALS:
   - LEAK & OAKUM WASTE & VENT PIPING
   - CAST IRON WATER PIPING *FIELD VERIFY CONDITION OF EXISTING PIPING PRIOR TO CONNECTING NEW WASTE, VENT AND WATER LINES AND MAKE REPAIRS AS NECESSARY.
10. TRANSITION ALL PEX WATER LINES TO COPPER STUB-OUTS PER DETAIL 7/P3 - NO EXPOSED PEX PIPING ("WHIPS") BETWEEN WATER DISTRIBUTION LINES AND FIXTURE CONNECTION.

Plumbing Materials

WATER DISTRIBUTION:

A) PEX WATER PIPING FOR DISTRIBUTION ABOVE GROUND PER 2016 CPC Section 604.1.2.

B) ALTERNATE: TYPE "M" COPPER WITHIN STRUCTURE - ABOVE GROUND PER CPC Section 604.2, Exception.

C) INSULATE HOT WATER PIPES AS FOLLOWS: - 1" INSULATION FOR PIPES UP TO 2"ø.

WASTE PIPING:

A) ABS/PVC DWV FOR ALL HORIZONTAL PIPING. PER 2016 CPC Section 701.2 and Table 1701.1.

B) ABS/PVC DWV RISERS. PER 2016 CPC Section 702.1 and Table 1701.1.

C) SCHEDULE 40 PVC CONDENSATE PIPING.

D) TYPE "M" COPPER T&PRV PIPING.

VENT PIPING:

A) ABS/PVC DWV RISERS AND VENT-THRU-ROOF PER 2016 CPC Section 903.1 and Table 1701.1.

Consulting Engineer
The McDermott Group
McDermott Design — MECHANICAL ENGINEERING BUILDING DESIGN
Valley Energy Consultants — HERS II ENERGY COMPLIANCE CONSULTING
MECHANICAL ENGINEERING
ENERGY COMPLIANCE CONSULTING
BUILDING DESIGN

THE McDermott GROUP
2201 FRANCISCO DRIVE, SUITE 140-451
EL DORADO HILLS, CA 95762
PHONE: (916) 933-5791

REGISTERED PROFESSIONAL ENGINEER — MICHAEL P. McDERMOTT — No. M 30514 — exp. 6/30/20 — MECHANICAL — STATE OF CALIFORNIA

DRAWINGS FOR CONSTRUCTION

Project

INTERIOR TENANT ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

COMMUNITY HALL PLUMBING PLAN

[redacted]
[redacted] MPM
[redacted]

NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

[redacted] McD_19040
[redacted] SEPTEMBER, 2019

Drawing No.

P1.1

OF SHEETS

Exhaust Fan Schedule

EF 1

AirKing Model EB0SG CEILING EXHAUST FAN WITH INTEGRAL MOTION SENSOR
- 80 CFM @ 0.10" SP | <0.3 SONES
- 120V/1ph/60hz 37.0 Watts 0.3 Amps
- SET DELAY-OFF TO 15 MINUTES.

Abbreviations

1. ABBREVIATIONS:

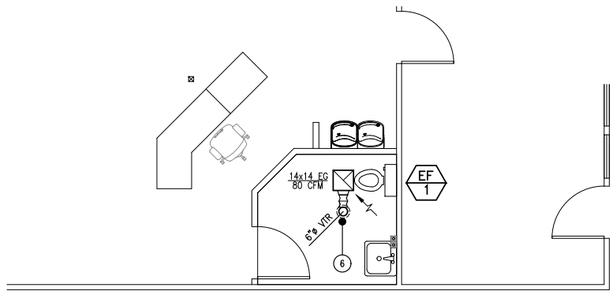
CWS	COLD WATER SUPPLY
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
SS	SANITARY SEWER
GW	GREASE WASTE
VB	VENT BRANCH
VR	VENT RISER
VTR	VENT-THRU-ROOF
U.S.	UNDER SLAB
U.G.	UNDER GROUND
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFC	ABOVE FINISHED CEILING
FCO	FLOOR CLEANOUT
COTG	CLEANOUT TO GRADE
CD	CONDENSATE DRAIN
(E)	EXISTING
(N)	NEW
(R)	RELOCATED
P.O.C.	POINT-OF-CONNECTION
TDL	TOTAL DEVELOPED LENGTH
RWL	RAINWATER LEADER
OFL	OVERFLOW LEADER
F.U.	FIXTURE UNITS
[F]	FILTERED WATER SUPPLY

FIELD VERIFY

FIELD VERIFY EXISTING SITE/PROJECT CONDITIONS PRIOR TO CONSTRUCTION - REPORT ALL DISCREPANCIES WITH THESE PLANS TO THE DESIGN ENGINEER FOR CLARIFICATION AND/OR REVISION. ADDITIONAL CONSTRUCTION COSTS RESULTING FROM UNREPORTED DISCREPANCIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

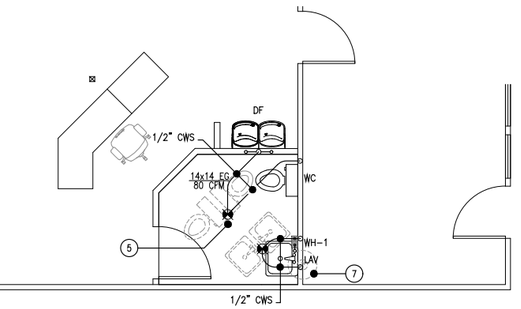
Keynotes

1. (EXISTING) SANITARY SEWER POINT-OF-CONNECTION - FIELD VERIFY.
2. OUTLINE OF EXISTING PLUMBING FIXTURES BEING REMOVED - SHOWN DASHED.
3. (EXISTING) DRINKING FOUNTAIN TO BE REMOVED - CAP WASTE AND WATER LINES BELOW FINISHED GRADE.
4. (NEW) SANITARY SEWER END OF LINE CLEANOUT BELOW - SIZE AS DENOTED ON PLANS.
5. (NEW) 1/2"ø COLD WATER SUPPLY (CWS) POINT-OF-CONNECTION.
6. (NEW) EXHAUST FAN ROOF TERMINATION WITH G.I. WEATHERHOOD - PAINT TO MATCH ROOF. - SIZE AS DENOTED ON PLANS.
7. (EXISTING) GAS WATER HEATER TO BE REMOVED - TERMINATE AND CAP ALL WATER LINES AND GAS LINE ATTACHED TO WATER HEATER - FIELD VERIFY.



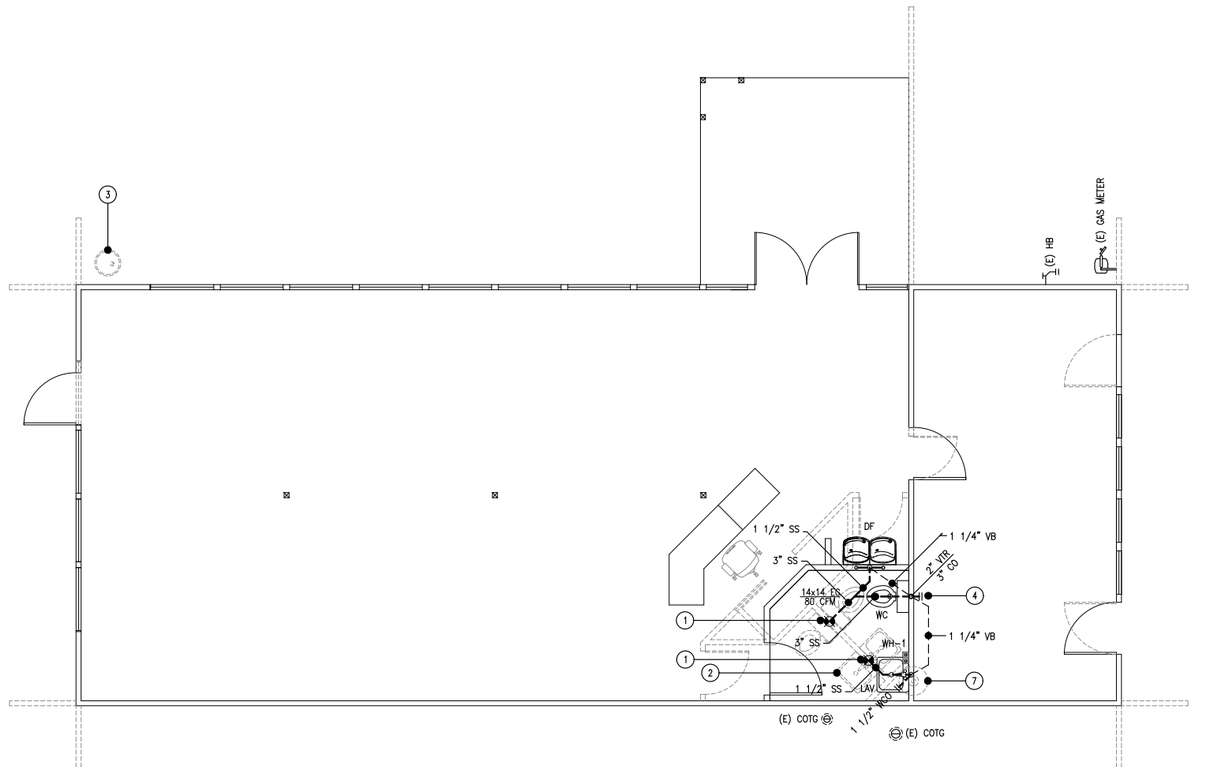
LIBRARY | Exhaust Fan

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



LIBRARY | Water

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



LIBRARY | Waste & Vent

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

Plan Notes

1. APPLICABLE CODES:

- 2016 California Building Code	Part 2
- 2016 California Electrical Code	Part 3
- 2016 California Mechanical Code	Part 4
- 2016 California Plumbing Code	Part 5
- 2016 California Energy Code (Title 24)	Part 6
- 2016 California Fire Code	Part 9
- 2016 California Green Building Standards	Part 11

2. FIELD VERIFY ALL WASTE, VENT AND WATER CONNECTION POINTS.
3. SEE SHEET P2FOR PLUMBING SCHEDULES AND CALCULATIONS.
4. SEE SHEET P3 FOR PLUMBING DETAILS & GENERAL NOTES
5. FIXTURES WITH QUICK-ACTING VALVES SHALL BE PROVIDED WITH A WATER HAMMER ARRESTER INSTALLED IN THE WATER LINE AS CLOSE TO THE QUICK-ACTING VALVE AS POSSIBLE PER 2016 CPC Section 609.10.
6. FOR "STANDARD" WATER DISTRIBUTION SYSTEMS WITHOUT PUMPS (RECIRCULATING), WATER PIPES SHALL BE INSULATED AS FOLLOWS:
   1) THE FIRST FIVE (5) FEET OF PIPES FROM THE HOT WATER STORAGE TANK SHALL BE INSULATED FOR BOTH HOT AND COLD WATER PIPES.
   2) HOT WATER PIPES FROM THE WATER HEATER TO THE KITCHEN SHALL BE INSULATED PER TITLE 24 Section 150(j).
7. SEAL ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES PER DETAIL 5/P3 - COORDINATE WITH ARCHITECTURAL DRAWINGS.
8. HOT WATER TEMPERATURE TO PUBLIC LAVATORIES SHALL SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 110°F PER CBC Section 3115B.4.3.
   - WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED CONTROL FOR MEETING THIS PROVISION. *POINT-OF-USE WATER HEATER(S) FACTORY SET TO LESS THAN 110°F AND MEET THIS CRITERIA.
   - THE TEMPERATURE LIMIT CONTROL SHALL NOT BE ADJUSTABLE BY THE BATHER.
9. EXISTING PLUMBING MATERIALS:
   - LEAK & OAKUM WASTE & VENT PIPING
   - CAST IRON WATER PIPING *FIELD VERIFY CONDITION OF EXISTING PIPING PRIOR TO CONNECTING NEW WASTE, VENT AND WATER LINES AND MAKE REPAIRS AS NECESSARY.
10. TRANSITION ALL PEX WATER LINES TO COPPER STUB-OUTS PER DETAIL 7/P3 - NO EXPOSED PEX PIPING ("WHIPS") BETWEEN WATER DISTRIBUTION LINES AND FIXTURE CONNECTION.

Plumbing Materials

WATER DISTRIBUTION:

A) PEX WATER PIPING FOR DISTRIBUTION ABOVE GROUND PER 2016 CPC Section 604.1.2.

B) ALTERNATE: TYPE "M" COPPER WITHIN STRUCTURE - ABOVE GROUND PER CPC Section 604.2, Exception.

C) INSULATE HOT WATER PIPES AS FOLLOWS: - 1" INSULATION FOR PIPES UP TO 2"ø.

WASTE PIPING:

A) ABS/PVC DWV FOR ALL HORIZONTAL PIPING. PER 2016 CPC Section 701.2 and Table 1701.1.

B) ABS/PVC DWV RISERS. PER 2016 CPC Section 702.1 and Table 1701.1.

C) SCHEDULE 40 PVC CONDENSATE PIPING.

D) TYPE "M" COPPER T&PRV PIPING.

VENT PIPING:

A) ABS/PVC DWV RISERS AND VENT-THRU-ROOF PER 2016 CPC Section 903.1 and Table 1701.1.

Consulting Engineer
The McDermott Group
McDermott Design
MECHANICAL ENGINEERING
ENERGY COMPLIANCE CONSULTING
BUILDING DESIGN
Valley Energy Consultants
THE McDermott GROUP
2201 FRANCISCO DRIVE, SUITE 140-451
EL DORADO HILLS, CA 95762
PHONE: (916) 933-5791

REGISTERED PROFESSIONAL ENGINEER MICHAEL P. McDERMOTT No. 14 Exp. 6/30/20 MECHANICAL STATE OF CALIFORNIA
DRAFT NOT FOR CONSTRUCTION

Project

INTERIOR TENANT ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

LIBRARY PLUMBING PLAN

Author	
Checked	MPM
Approved	

NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

Job No.	McD_19040
Date	SEPTEMBER, 2019

Drawing No.

P1.2

OF *SHEETS*

Plumbing Fixture Schedule | Community Hall

Connection Schedule

FIXTURE	SYMBOL	VENT	WASTE BRANCH	WASTE OUTLET	COLD WATER BRANCH	COLD WATER OUTLET	HOT WATER BRANCH	HOT WATER OUTLET	REMARKS
Water Closet (ADA Compliant)	WC	2"	3"	3"	1/2"	1/2"	--	--	[NEW] 1.28 GPF FLUSH TANK (Reduced Flow Fixture) | FLOOR MOUNTED – ADA COMPLIANT – KOHLER "Highline" Item No.: K–3999 | Finish: White | Seat: KOHLER Item No. K–4636 – CW P.O.C. +8" A.F.F.
Lavatory (ADA Compliant)	LAV	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	1/2"	3/8"	[NEW] 0.5 GPM FAUCET (Reduced Flow Fixture) | ADA COMPLIANT | WALL HUNG | CW/HW P.O.C. = +22" A.F.F. – KOHLER "Kingston" 21"x18" w/ Overflow Item No.: K–2005 | Finish: White – FAUCET: KOHLER ITEM No.: K–15598–F 4" CENTERS
Kitchen Sink [Counter Mount]	S–1	1 1/2"	2"	1 1/2"	1/2"	1/2"	1/2"	1/2"	[NEW] 1.8 GPM FAUCET (Reduced Flow Fixture) | ADA COMPLIANT | COUNTER MOUNT – DAYTON Double Compartment Model No.: DSE23322 + Garbage Disposal: GE Model GFC525N [1/2 HP | 120V] – FAUCET: KOHLER "Simplice" K–596 | CW/HW P.O.C. +22" A.F.F. | SEE DETAIL 3/P3.
Kitchen Sink [Existing]	S–2	1 1/2"	2"	1 1/2"	1/2"	1/2"	1/2"	1/2"	[EXISTING] 2–COMPARTMENT SINK IN BASEMENT | NOT IN SCOPE OF WORK NOR SHOWN ON PLANS. – REFERENCED FOR WATER DEMAND CALCULATIONS ONLY .
Dishwasher [Under Counter]	DW	I.D.	1"	1"	--	--	1/2"	1/2"	[NEW] UNDER–COUNTER DISHWASHER | GE Model GDF645SGNWW – DRAIN THROUGH KITCHEN SINK (S–1) GARBAGE DISPOSAL | SEE DETAIL 3/P3. – HW P.O.C. +12" A.F.F.
Refrigerator [Ice Maker]	REF	--	--	--	1/2"	1/2"	--	--	[NEW] REFRIGERATOR ICE–MAKER VALVE – SEE DETAIL 4/P3 FOR SPECIFICATIONS – CW P.O.C. +12" A.F.F.
Drinking Fountains [ADA Bi–Level]	DF	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	--	--	[NEW] WALL–MOUNT BI–LEVEL ADA COMPLIANT NON–FILTERED DRINKING FOUNTAINS – ELKAY Model EZSTL8LC | 115V/1ph/60hz 5.0 AMPS 370 Watts | 8.0 GPH FLOW RATE | 72 lbs – CW P.O.C. +20" A.F.F.
Hose Bibs [Existing]	HB	--	--	--	3/4"	3/4"	--	--	[EXISTING] HOSE BIB | NOT IN SCOPE OF WORK – REFERENCED FOR WATER DEMAND CALCULATIONS ONLY. .
Water Heater [Point–Of–Use]	WH–1	--	--	--	1/2"	3/8"	3/8"	3/8"	[NEW] EEMAX Model SP3512–DL DUAL–LAVATORY, POINT–OF–USE, NON–THERMOSTATIC WATER HEATER | MAX. TEMPERATURE 110°F – 120V/1ph/60hz 3.5 kW 29 AMPS | 48°F TEMPERATURE RISE @ 0.5 GPM – SEE DETAIL 2/P3
Water Heater [30 Gallon]	WH–2	--	--	--	3/4"	3/4"	3/4"	3/4"	[NEW] A.O. SMITH Model DEL–30 30–GALLON ELECTRIC WATER HEATER | 4.5 kW/4.5 kW NON–SIMULTANEOUS HEATING ELEMENTS – 208/240V/1ph/60hz 4.5/4.5 kW NON–SIMULTANEOUS HEATING ELEMENTS | 60°F TEMPERATURE RISE @ 30 GPH – SEE DETAIL 6/P3

NOTES & LEGEND:
1. I.D. = INDIRECT WASTE TO FLOOR SINK (AS PER PLAN).
2. INT. = INTEGRAL WASTE TRAP WITH FIXTURE.
3. HOT/COLD WATER SUPPLY LINES ARE FOR REFERENCE ONLY – SEE PLAN FOR ACTUAL BRANCH SIZES.

Unit Calculations

QTY.	WASTE UNITS:	WASTE TOTAL:	COLD WATER UNITS:	COLD WATER TOTAL:
3	4	12	2.5	7.5
3	1	3	1	3
1	2	2	1.5	1.5
2	2	4	1.5	3
1	--	--	1.5	1.5
1	--	--	0.5	0.5
2	0.5	1	0.5	1
2	--	--	2.5 / 1	3.5
3	--	--	--	--
1	--	--	--	--
		WASTE TOTAL: 22.0		WATER TOTAL: 21.5

Plumbing Fixture Schedule | Library

Connection Schedule

FIXTURE	SYMBOL	VENT	WASTE BRANCH	WASTE OUTLET	COLD WATER BRANCH	COLD WATER OUTLET	HOT WATER BRANCH	HOT WATER OUTLET	REMARKS
Water Closet (ADA Compliant)	WC	2"	3"	3"	1/2"	1/2"	--	--	[NEW] 1.28 GPF FLUSH TANK (Reduced Flow Fixture) | FLOOR MOUNTED – ADA COMPLIANT – KOHLER "Highline" Item No.: K–3999 | Finish: White | Seat: KOHLER Item No. K–4636 – CW P.O.C. +8" A.F.F.
Lavatory (ADA Compliant)	LAV	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	1/2"	3/8"	[NEW] 0.5 GPM FAUCET (Reduced Flow Fixture) | ADA COMPLIANT | WALL HUNG | CW/HW P.O.C. = +22" A.F.F. – KOHLER "Kingston" 21"x18" w/ Overflow Item No.: K–2005 | Finish: White – FAUCET: KOHLER ITEM No.: K–15598–F 4" CENTERS
Drinking Fountains [ADA Bi–Level]	DF	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	--	--	[NEW] WALL–MOUNT BI–LEVEL ADA COMPLIANT NON–FILTERED DRINKING FOUNTAINS – ELKAY Model EZSTL8LC | 115V/1ph/60hz 5.0 AMPS 370 Watts | 8.0 GPH FLOW RATE | 72 lbs – CW P.O.C. +20" A.F.F.
Hose Bibs [Existing]	HB	--	--	--	3/4"	3/4"	--	--	[EXISTING] HOSE BIB | NOT IN SCOPE OF WORK – REFERENCED FOR WATER DEMAND CALCULATIONS ONLY. .
Water Heater [Point–Of–Use]	WH–1	--	--	--	1/2"	3/8"	3/8"	3/8"	[NEW] EEMAX Model SP3512–DL DUAL–LAVATORY, POINT–OF–USE, NON–THERMOSTATIC WATER HEATER | MAX. TEMPERATURE 110°F – 120V/1ph/60hz 3.5 kW 29 AMPS | 48°F TEMPERATURE RISE @ 0.5 GPM – SEE DETAIL 2/P3

NOTES & LEGEND:
1. I.D. = INDIRECT WASTE TO FLOOR SINK (AS PER PLAN).
2. INT. = INTEGRAL WASTE TRAP WITH FIXTURE.
3. HOT/COLD WATER SUPPLY LINES ARE FOR REFERENCE ONLY – SEE PLAN FOR ACTUAL BRANCH SIZES.

Unit Calculations

QTY.	WASTE UNITS:	WASTE TOTAL:	COLD WATER UNITS:	COLD WATER TOTAL:
1	4	4	2.5	2.5
1	1	1	1	1
2	0.5	1	0.5	1
2	--	--	2.5 / 1	3.5
1	--	--	--	--
		WASTE TOTAL: 6.0		WATER TOTAL: 8.0

Waste & Vent Piping (CPC Table 703.2)

SIZE OF PIPE [inches]	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
MAXIMUM UNITS											
DRAINAGE PIPING [1.] Vertical	1	2 [2.]	16 [3.]	32 [3.]	48 [4.]	256	600	1380	3600	5600	8400
Horizontal	1	1	8 [3.]	14 [3.]	35 [4.]	216 [6.]	428 [6.]	720 [6.]	2640 [6.]	4680 [6.]	8200 [6.]
MAXIMUM LENGTH											
DRAINAGE PIPING Vertical (feet)	45	65	85	148	212	300	390	510	750	--	--
Horizontal (unlimited)	--	--	--	--	--	--	--	--	--	--	--
VENT PIPING											
HORIZONTAL and VERTICAL [6.] Maximum Units	1	8 [3.]	24	48	84	256	600	1380	3600	--	--
Maximum Lengths (feet)	45	60	120	180	212	300	390	510	750		

WASTE/VENT NOTES:

1. EXCLUDING TRAP ARM.
2. EXCEPT SINKS, URINALS AND DISHWASHERS – EXCEEDING 1 FIXTURE UNIT.
3. EXCEPT SIX–UNIT TRAPS OR WATER CLOSETS.
4. ONLY FOUR (4) WATER CLOSETS OR SIX–UNIT TRAPS ALLOWED ON A VERTICAL PIPE OR STACK; AND NOT TO EXCEED THREE (3) WATER CLOSETS OR SIX–UNIT TRAPS ON A HORIZONTAL BRANCH OR DRAIN.
5. BASED ON 1/4 INCH PER FOOT SLOPE. FOR 1/8 AN INCH PER FOOT SLOPE, MULTIPLY HORIZONTAL FIXTURE UNITS BY A FACTOR OF 0.8.
6. THE DIAMETER OF AN INDIVIDUAL VENT SHALL NOT BE LESS THAN 1 1/4 INCHES NOR LESS THAN ONE–HALF THE DIAMETER OF THE DRAIN TO WHICH IT IS CONNECTED. FIXTURE UNIT LOAD VALUES FOR DRAINAGE AND VENT PIPING SHALL BE COMPUTED FROM 2016 Table 702.1 and Table 702.2(1). NOT TO EXCEED ONE–THIRD OF THE TOTAL PERMITTED LENGTH OF A VENT SHALL BE PERMITTED TO BE INSTALLED IN A HORIZONTAL POSITION. WHERE VENTS ARE INCREASED ONE PIPE SIZE FOR THEIR ENTIRE LENGTH, THE MAXIMUM LENGTH LIMITATIONS SPECIFIED IN THIS TABLE DO NOT APPLY. THIS TABLE IS IN ACCORDANCE WITH THE REQUIREMENTS OF 2016 Section 901.3.

Cleanouts

PIPE SIZE: (Inches)	CLEANOUT SIZE: (Inches)	THREADS (Per Inch)
1 1/2"	1 1/2"	11 1/2
2"	1 1/2"	11 1/2"
2 1/2"	2 1/2"	8
3"	2 1/2"	8
4" & Larger	3 1/2"	8

CLEANOUT NOTES:

1. TAKEN FROM 2016 CPC TABLE 707.1

Plumbing Legend

SYMBOL:	ABRV.:	DESCRIPTION:
	CW	COLD WATER LINE
	HW	HOT WATER LINE.
	V VTR	VENT LINE/BRANCH VENT–THRU–ROOF
	SS	SANITARY SEWER LINE
D	D	DRAIN LINE–LABELED ON PLANS
CD	CD	CONDENSATE DRAIN
RS/RL	RS/RL	REFRIGERATION SUCTION & LIQUID LINE(S)
G	G	GAS LINE
	FCO COTG	FLOOR CLEAN–OUT CLEAN–OUT TO GRADE
	FCO COTG	FLOOR CLEAN–OUT CLEAN–OUT TO GRADE
	WCO	WALL CLEAN–OUT
	GV SOV	GATE VALVE SHUT–OFF VALVE
	GV SOV	GV/SOV IN GROUND SERVICE BOX WITH COVER
	CV	CHECK VALVE (ONE–WAY)
M	--	GV/SOV W/ METER IN GROUND SERVICE BOX WITH COVER
M	--	METER – TYPE PER PLAN
	GV BV	GLOBE VALVE BALL VALVE
	HB	HOSE BIB W/ VACUUM BREAKER
	--	PLUMBING LINE DROP
	--	PLUMBING LINE RISER
	--	"X" PLUMBING CONNECTION
	--	"T" PLUMBING CONNECTION
	--	"L" PLUMBING CONNECTION

SYMBOL:	ABRV.:	DESCRIPTION:
	FS	12"x12" FLOOR SINK
	FS	8"x4" FLOOR SINK
	FD	FLOOR DRAIN
	TP	TRAP PRIMER VALVE
	CP	CIRCULATING PUMP
	WHA	WATER HAMMER ARRESTER

PLUMBING NOTES:

1. ALL COLD WATER, HOT WATER, AND CONDENSATE DRAIN LINES SHALL BE TYPE "M" COPPER UNLESS NOTED OTHERWISE (2016 CPC Section 604.3).
2. ALL GAS PIPING SHALL BE STANDARD WEIGHT WROUGHT IRON OR STEEL (GALVANIZED OR BLACK) OR YELLOW BRASS (CONTAINING <75% COPPER) PER 2016 CPC Section 1208.5.
3. SANITARY SEWER LINES IN AND/OR UNDER THE BUILDING STRUCTURE MAY BE CAST IRON, ABS OR PVC. ABS AND PVC WASTE & VENT LINES SHALL BE LIMITED TO RESIDENTIAL BUILDINGS NOT EXCEEDING THREE FLOORS ABOVE GRADE, OR PER LOCAL ORDINANCES. REFER TO 2016 CPC Section 701.0 FOR ADDITIONAL REQUIREMENTS.
4. WASTE VENT PIPING MAY BE CAST IRON, ABS OR PVC IN AND/OR UNDER THE BUILDING STRUCTURE. ABS AND PVC WASTE & VENT LINES SHALL BE LIMITED TO RESIDENTIAL BUILDINGS NOT EXCEEDING THREE FLOORS ABOVE GRADE, OR PER LOCAL ORDINANCES. REFER TO 2016 CPC Section 903.0 FOR ADDITIONAL REQUIREMENTS.
5. HORIZONTAL DRAINAGE PIPING SHALL HAVE A MINIMUM SLOPE OF 2% AS PER 2016 CPC 708.0.

Waste & Water Calculations | Community

WATER AND WASTE SERVICE CALCULATIONS

JOB NAME: Hamilton City | Community Hall — DATE: 10/30/19

FIXTURE TYPE	NO.	WASTE FU	WASTE TOTAL	COLD WATER FU	COLD WATER TOTAL	HOT WATER FU	HOT WATER TOTAL	TOTAL WATER FU
DRINKING FOUNTAIN	2	0.5	1	0.5	1	0	0	1
HOSE BIBB | PRIMARY	1	0	0	2.5	2.5	0	0	2.5
HOSE BIBB | ADDITIONAL	1	0	0	1	1	0	0	1
KITCHEN SINK (DOMESTIC)	3	2	6	1.125	3.375	1.125	3.375	4.5
LAVATORY	3	1	3	0.75	2.25	0.75	2.25	3
REFRIGERATOR ICE-MAKER	1	0	0	0.5	0.5	0	0	0.5
WATER CLOSET, 1.6 TANK	3	4	12	2.5	7.5	0	0	7.5
DISHWASHER	1	0	0	0	0	1.5	1.5	1.5
TOTAL FU			22.0		18.1		7.1	21.5

EQUIVALENT COLD WATER FLOW RATE (GPM):	17
ADDITIONAL DEMAND LOAD (GPM)	0
PRESSURE AVAILABLE AT MAIN (PSI):	50
MINIMUM REQUIRED FIXTURE PRESSURE (PSI):	8
ELEVATION RISE (FT):	12
METER LOSS (PSI):	3
BACKFLOW PREVENTER LOSS (PSI):	12
ADDITIONAL LOSSES (PSI):	0
EQUIVALENT PIPE LENGTH FROM METER TO MOST REMOTE FIXTURE (FT):	100
FRICTION LOSS PRESSURE AVAILABLE (PSI):	21.79
MAXIMUM ALLOWABLE FRICTION LOSS (PSI/100 FT):	21.79
WATER FLOW VELOCITY (FPS):	6.61
CALCULATED FRICTION HEAD LOSS (PSI/100 FT):	9.30
MINIMUM REQUIRED 'WATER' PIPE SIZE (INCHES):	1.0
MINIMUM REQUIRED 'WASTE' PIPE SIZE (INCHES):	3

*CALCULATIONS BASED ON 2016 CPC Table 702.1 [Waste] & Table A 103.1 [Water]

Waste & Water Calculations | Library

WATER AND WASTE SERVICE CALCULATIONS

JOB NAME: Hamilton City | Library — DATE: 10/30/19

FIXTURE TYPE	NO.	WASTE FU	WASTE TOTAL	COLD WATER FU	COLD WATER TOTAL	HOT WATER FU	HOT WATER TOTAL	TOTAL WATER FU
DRINKING FOUNTAIN	2	0.5	1	0.5	1	0	0	1
HOSE BIBB | PRIMARY	1	0	0	2.5	2.5	0	0	2.5
HOSE BIBB | ADDITIONAL	1	0	0	1	1	0	0	1
LAVATORY	1	1	1	0.75	0.75	0.75	0.75	1
WATER CLOSET, 1.6 TANK	1	4	4	2.5	2.5	0	0	2.5
TOTAL FU			6.0		7.8		0.8	8.0

EQUIVALENT COLD WATER FLOW RATE (GPM):	7
ADDITIONAL DEMAND LOAD (GPM)	0
PRESSURE AVAILABLE AT MAIN (PSI):	50
MINIMUM REQUIRED FIXTURE PRESSURE (PSI):	8
ELEVATION RISE (FT):	12
METER LOSS (PSI):	3
BACKFLOW PREVENTER LOSS (PSI):	12
ADDITIONAL LOSSES (PSI):	0
EQUIVALENT PIPE LENGTH FROM METER TO MOST REMOTE FIXTURE (FT):	100
FRICTION LOSS PRESSURE AVAILABLE (PSI):	21.79
MAXIMUM ALLOWABLE FRICTION LOSS (PSI/100 FT):	21.79
WATER FLOW VELOCITY (FPS):	4.31
CALCULATED FRICTION HEAD LOSS (PSI/100 FT):	5.75
MINIMUM REQUIRED 'WATER' PIPE SIZE (INCHES):	0.75
MINIMUM REQUIRED 'WASTE' PIPE SIZE (INCHES):	2

*CALCULATIONS BASED ON 2016 CPC Table 702.1 [Waste] & Table A 103.1 [Water]

WATER PIPE SIZING CHART

PIPE SIZES CALCULATED BASED ON 2016 CPC APPENDIX A & Table A 103.1

SIZE: TYPE L COPPER		CW MAX FLOW		CW FIXTURE UNIT VALUES		HW MAX FLOW		HWFU
NOMINAL DIAMETER	INTERNAL DIAMETER	GPM	FPS	FLUSH TANK	FLUSH VALVE	GPM	FPS	HOT WATER
1/2"	0.545	5.1	7.0	6	0	3.6	5.0	3
3/4"	0.785	12.1	8.0	16	0	7.5	5.0	8
1"	1.025	20.6	8.0	30	0	12.9	5.0	16
1-1/4"	1.265	31.3	8.0	56	14	19.6	5.0	28
1-1/2"	1.505	44.4	8.0	103	35	27.7	5.0	46
2"	1.985	77.2	8.0	259	136	48.2	5.0	119
2-1/2"	2.465	119.0	8.0	469	351	74.4	5.0	245
3"	2.945	169.9	8.0	742	693	106.2	5.0	411
4"	3.905	298.6	8.0	1738	1738	186.6	5.0	847
5"	4.875	465.4	8.0	3291	3291	290.9	5.0	1668
6"	5.845	669.1	8.0	5101	5101	418.2	5.0	2843
8"	7.725	1168.7	8.0	8300	8300	730.4	5.0	5650

Consulting Engineer
The McDermott Group
McDermott Design — MECHANICAL ENGINEERING BUILDING DESIGN
Valley Energy Consultants — HVAC & ENERGY COMPLIANCE ENERGY CONSULTING
MECHANICAL ENGINEERING
ENERGY COMPLIANCE CONSULTING
BUILDING DESIGN

THE McDermott GROUP
2201 FRANCISCO DRIVE, SUITE 140–451
EL DORADO HILLS, CA 95762
PHONE: (916) 933–5791

REGISTERED PROFESSIONAL ENGINEER — MICHAEL P. McDERMOTT — No. 20514 — Exp. 6/30/20 — MECHANICAL — STATE OF CALIFORNIA

DRAWINGS CONFORM TO CODE

Project

INTERIOR TENANT ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

PLUMBING SCHEDULES

Author: MPM

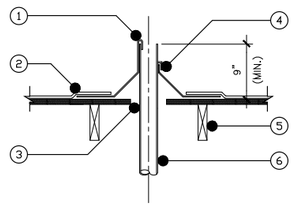
NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

Job No.: McD_19040
Date: SEPTEMBER, 2019

Drawing No.

P2

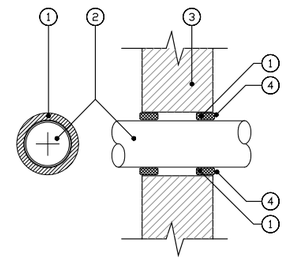
OF SHEETS



1. OPTION 1:
   ROLL FLASHING OVER TOP EDGE FOR VENTS 3"ø AND LARGER
   – ALLOW FOR EXPANSION.
2. LAP ROOFING OVER FLASHING WITH ROOF SEALANT.
3. ANNULAR OPENING 2" LARGER THAN VENT PIPE SIZE
   – FILL VOID WITH INSULATION MATERIAL.
4. OPTION 2:
   COUNTER FLASHING AND SEALANT FOR VENT 2 1/2"ø AND SMALLER.
5. ROOF STRUCTURE PER ARCHITECTURAL PLANS.
6. VENT PIPE:
   – ABS, PVC, COPPER OR CAST IRON.
   – SIZE PER PLANS.

1 Vent-Thru-Roof (VTR)

SCALE: NO SCALE
FILE: Plmb_114



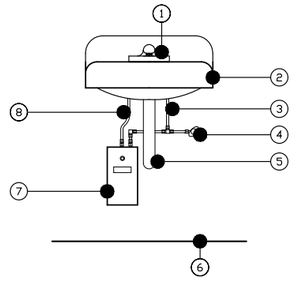
1. FILL, VOID OR CAVITY MATERIAL:
   "FLAME SAFE" TYPE FS OR FS7900 SERIES COMPOUND CAULKED OR TROWELLED TO THE REQUIRED DEPTH.
2. METALLIC PIPE (NOT LEAD OR ALUMINUM).
3. FIRE RATED ASSEMBLY
   – AS PER PLANS.
4. FORMING MATERIAL:
   CERAMIC FIBER OR MINERAL WOOL – PACK AS NECESSARY TO RETAIN FILL MATERIAL.

NOTES:

1. System Design Evaluated To The Time Temperature Requirements Of ASTM E119.
2. Design Base Upon UL Classification System No. W-L-1007 – Evaluated To UL Standard 1479 (ASTM E814).
3. Install Firestop Compound To A Wet Depth Thickness Of 1 1/4" (Minimum) – Both Sides.
4. Annular Space Between Pipe And Side Of Opening: 3/16" Minimum To 1" Maximum.

5 Fire-Rated Wall

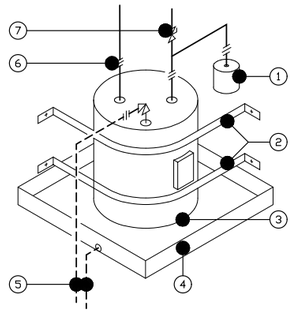
SCALE: NO SCALE
FILE: PLMB_003



1. LAVATORY FAUCET PER PLANS.
2. LAVATORY AS PER PLANS.
3. 3/8" COLD WATER SUPPLY TO FAUCET.
4. COLD WATER SERVICE WITH ANGLE–STOP AS PER PLANS (1/2" MINIMUM).
5. LAVATORY WASTE TAILPIECE – PROVIDE ADA SCALDING PROTECTION AS REQUIRED.
6. FINISHED FLOOR.
7. INSTANTANEOUS ELECTRIC WATER HEATER:
   EEMAX (OR EQUAL)
   Model SP3512 (120V)
   120V/1ph/60hz 3.5kW 29A
   48 °F Rise At 0.5 GPM
   – OR –
   Model SP4208 (208V)
   208V/1ph/60hz 4.1kW 19.7A
   56 °F Rise At 0.5 GPM
8. 3/8" HOT WATER SUPPLY TO FAUCET.

2 Point-of-Use Hot Water

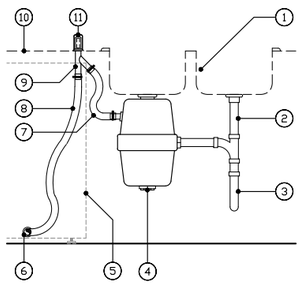
SCALE: NO SCALE
FILE: PLMB_026



1. EXPANSION TANK:
   Amtrol ST–5 (Up to 75 Gal)
   Amtrol ST–12 (up to 120 Gal)
2. SECURE WATER HEATER TO WALL WITH 16 GA x 2" WIDE STRAPS AT 1/3 AND 2/3 OF THE WATER HEATER HEIGHT. SECURE STRAPS TO WALL STUDS OR 2x BLOCKING WITH 5/8" LAG BOLTS.
3. STORAGE–TYPE WATER HEATER AS SPECIFIED ON PLANS.
4. DRAIN PAN UNDER WATER HEATER.
5. 3/4"ø PAN DRAIN AND PRESSURE/TEMPERATURE RELIEF VALVE DRAIN SHALL TERMINATE OUTSIDE THE BUILDING PER CPC Section 608.5 –OR– OTHER APPROVED LOCATIONS MAY BE COORDINATED WITH THE FIELD INSPECTOR.
6. DIELECTRIC UNION – TYPICAL.
7. GATE VALVE.

6 Elevated Water Heater

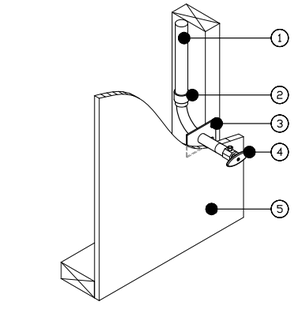
SCALE: NO SCALE
FILE: PLMB_025



1. KITCHEN SINK – PER PLANS.
2. 1 1/2" TAILPIECE.
3. 1 1/2" "P–TRAP"
4. GARBAGE DISPOSAL UNIT.
5. OUTLINE OF DISHWASHER.
6. 1" DISHWASHER HOSE CONNECTION.
7. 1" RUBBER HOSE BETWEEN VACUUM BREAKER AND GARBAGE DISPOSAL UNIT WITH ADJUSTABLE METAL CLAMP BANDS ON EACH END.
8. 1" RUBBER HOSE FROM DISHWASHER TO VACUUM BREAKER WITH ADJUSTABLE METAL CLAMP BANDS.
9. APPROVED DISHWASHER VACUUM BREAKER.
10. COUNTERTOP – PER PLANS.
11. FINISH CAP FOR VACUUM BREAKER.

3 Dishwasher Connection

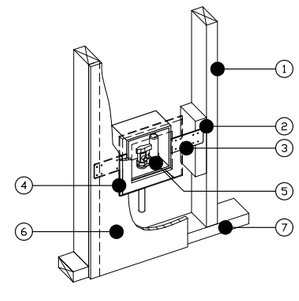
SCALE: NO SCALE
FILE: PLMB_016



1. PEX PIPING – SIZE PER PLANS.
2. CRIMP CONNECTION TO COPPER STUB–OUT PER MFGR'S. SPECIFICATIONS.
3. COPPER STUB–OUT ELBOW:
   – MOUNT +12" A.F.F.
   – PROVIDE (2) 6d NAILS THROUGH MOUNTING FLANGE PER STUD.
4. ANGLE–STOP SHUT–OFF VALVE (OPTION: PROVIDE ESCUTCHEON PLATE AT WALL PENETRATION).
5. GYPSUM BOARD WALL FINISH.

7 PEX-Copper Stub-Out

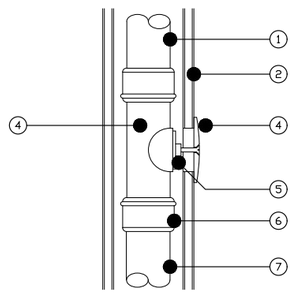
SCALE: NO SCALE
FILE: PLMB_060



1. 2x WALL FRAMING PER PLANS.
2. 2x BLOCKING AS REQUIRED.
3. ICE–MAKER OUTLET BOX:
   "OATEY" (OR EQUAL)
   – MOUNT +12" A.F.F.
   – PROVIDE (2) 8d NAILS PER STRAP TO STUDS.
4. OUTLET BOX FACEPLATE.
5. QUARTER–TURN BRASS BALL VALVE WITH MOUNTED WATER HAMMER ARRESTOR.
6. GYPSUM BOARD WALL FINISH.
7. SILL PLATE.

4 Ice-Maker Outlet Box

SCALE: NO SCALE
FILE: PLMB_054



1. VENT OR SEWER STACK.
2. FACE OF WALL.
3. SANITARY TEE.
4. CHROME PLATED COVER AND SCREW.
5. THREADED PLUG.
6. ABS/PVC: GLUED HUB OR COUPLING CONNECTION.
   CAST IRON: NO–HUB COUPLING WITH STAINLESS STEEL SCREW BANDS.
7. DRAIN LINE.

8 Wall Cleanout

SCALE: NO SCALE
FILE: PLMB_037

Plumbing General Notes

1. WASTE AND VENT PIPING MATERIAL SHALL BE AS PER 2016 CPC 701.0.
2. DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER HARD DRAWN PIPE WITH WROUGHT COPPER OR BRASS FITTINGS*. SOLDER SHALL BE 95–5 NO–LEAD TYPE APPROVED BY IAPMO FOR POTABLE WATER USE. REFER TO 2016 CPC Section 604.0. *UNLESS ALTERNATE MATERIAL SPECIFIED ON PLANS.
3. PLUMBING WORK INCLUDES FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR COMPLETE INSTALLATION AND/OR REMODEL OF PLUMBING SYSTEMS SHOWN OR INDICATED IN PLANS, DETAILS, SCHEDULES AND NOTES.
4. ALL WORK SHALL BE EQUAL OR SUPERIOR TO THAT REQUIRED BY RULES, CODES, ORDERS, REGULATIONS, ORDINANCES, AND LAWS IMPOSED BY GOVERNMENT AUTHORITY RELATED TO THE WORK. CONFLICTS SHALL BE BROUGHT TO THE DESIGNER'S ATTENTION FOR CLARIFICATION PRIOR TO THE SUBMISSION OF THE BID.
5. CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF HIS WORK TO BE COVERED UP OR ENCLOSED UNTIL IT HAS BEEN REVIEWED AND/OR TESTS WITNESSED BY OWNER'S REPRESENTATIVE AND BY GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER THIS WORK.
6. EXAMINE THE SITE AND PREMISES PRIOR TO BIDDING TO DETERMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE WILL BE MADE FOR EXTRA EXPENSE INCURRED DUE TO FAILURE TO EXAMINE THE PREMISES OR TO DISCOVER SITE CONDITIONS WHICH AFFECT THE WORK.
7. INCLUDE IN THE WORK ALL SAW CUTTING AND DEMOLITION NECESSARY AND REQUIRED FOR THE INSTALLATION. ALL CONCRETE REPAIRS AND FINISH WORK SHALL BE ACCOMPLISHED BY THE GENERAL CONTRACTOR.
8. UPON COMPLETION OF THE WORK, AND AS A PRECEDENT TO FINAL PAYMENT, THE SUBCONTRACTOR SHALL DELIVER TO THE OWNER'S REPRESENTATIVE, ORIGINALS OF ALL DRAWINGS SHOWING THE WORK EXACTLY AS INSTALLED. THE SUBCONTRACTOR SHALL ALSO DELIVER TO THE OWNER'S REPRESENTATIVE ONE (1) COMPLETE SET OF REPRODUCIBLE OF ALL DRAWINGS SHOWING THE WORK EXACTLY AS INSTALLED.
9. AT THE COMPLETION OF THE WORK, CLEAN AND RID THE PROJECT AND THE SURROUNDING AREAS OF ALL DEBRIS, SCRAP, AND MATERIALS RELATED TO THIS WORK. SHOULD THE GENERAL CONTRACTOR BE REQUIRED TO CLEAN PLUMBING CONTRACTOR'S DEBRIS AND MATERIAL, THE PLUMBING CONTRACTOR MAY BE CHARGED FOR THIS SERVICE.
10. INSTALL THE WORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS WHENEVER DETAILS ARE REGULARLY FURNISHED WITH THE EQUIPMENT AND PROVIDE VALVES, PIPING AND OTHER APPURTENANCES AND CONNECTIONS NECESSARY TO COMPLY WITH SUCH RECOMMENDATIONS, WHETHER SHOWN ON THE PLANS OR NOT.
11. EXCAVATION AND BACK FILL SHALL BE ACCOMPLISHED BY THE PLUMBING CONTRACTOR. GRADE TRENCH TO MAINTAIN UNIFORM SLOPE. BOTTOM OF TRENCH SHALL HAVE 1" OF DRY SAND FOR SETTING WASTE PIPING. COVER PIPING AFTER TESTS AND INSPECTIONS HAVE BEEN COMPLETED WITH NATIVE SOIL. COMPACT IN 6" LIFTS TO A MINIMUM COMPACTION OF 90%.
12. ALL MATERIALS SHALL BE NEW AND IN PERFECT CONDITION, EXCEPT AS NOTED OTHERWISE.
13. TRIM, FITTINGS AND PIPE TO BE CHROME PLATED OR COVERED WITH CHROMIUM PLATED BRASS SLEEVES WHEREVER EXPOSED.
14. ISOLATION VALVES SHALL BE BUTTERBALL: MILWAUKEE BRONZE BODY, STAINLESS STEEL WAFER, VITON SEAL, OR FULL PORT 1/4 TURN BALL VALVE.
15. EACH FIXTURE SHALL BE EQUIPPED WITH COMPRESSION STOPS IN THE WATER SUPPLIES. UNLESS OTHERWISE SPECIFIED, STOPS SHALL BE SPEEDWAY LOCK SHIELD SCREWDRIVER PARTITION STOPS, OR APPROVED EQUIVALENT.
16. SEAL AT THE BASE OF FLOOR MOUNTED AND WALL MOUNTED PLUMBING FIXTURES WITH FLEXIBLE WHITE 50 YEAR SILICONE SEALANT MATERIALS ELIMINATING ALL VOIDS AND CRACKS.
17. PROVIDE R–4 INSULATION ON THE FIRST FIVE FEET OF BOTH HOT AND COLD WATER PIPES FROM THE WATER HEATER PER CEC Energy Efficiency Standards, Section 150(j)2. ALL HOT WATER PIPES 3/4" AND LARGER SHALL BE INSULATED WITH A MINIMUM OF R–4 INSULATION.
18. AFTER THE HOT AND COLD WATER PIPING SYSTEMS HAVE BEEN TESTED AND PROVED TIGHT, THE CONTRACTOR SHALL CLEAN THE SYSTEMS OF DIRT, SCALE, OIL, GREASE, AND WASTE WHICH MAY HAVE ACCUMULATED DURING THE PROCESS OF INSTALLATION. STERILIZE WATER LINES IN ACCORDANCE WITH AWWA REQUIREMENTS.
19. ALL EQUIPMENT AND MATERIALS SHALL BE EQUAL IN QUALITY, TYPE, CAPACITIES, EFFICIENCIES AND ACCESSORIES AS NOTED ON DRAWING.
20. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH ALL APPLICABLE CODES.
21. CONTRACTOR SHALL RETURN ALL WARRANTY CARDS TO APPLICABLE MANUFACTURERS AND WILL LEAVE ONE (1) COPY OF INSTALLATION AND SERVICE INSTRUCTIONS FOR ALL EQUIPMENT WITH THE OWNER.
22. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE.
23. PLUMBING VENTS SHALL BE AT LEAST 10'–0" FROM OR 3'–0" ABOVE ANY MECHANICAL AIR INTAKE OR OTHER AIR INLETS INTO THE BUILDING PER 2016 CPC 906.2.
24. TOILETS FOR PUBLIC USE SHALL HAVE ELONGATED BOWLS AND BE EQUIPPED WITH OPEN–FRONT SEATS CONSTRUCTED OF A SMOOTH NON–ABSORBENT FINISH AS PER 2016 CPC 411.1 & 411.2.

Consulting Engineer
The McDermott Group
McDermott Design
Valley Energy Consultants
MECHANICAL ENGINEERING
ENERGY COMPLIANCE CONSULTING
BUILDING DESIGN

THE McDermott GROUP
2201 FRANCISCO DRIVE, SUITE 140–451
EL DORADO HILLS, CA 95762
PHONE: (916) 933–5791

REGISTERED PROFESSIONAL ENGINEER MICHAEL P. McDERMOTT No. 14 EXP. 6/30/20 MECHANICAL STATE OF CALIFORNIA

DRAFT NOT FOR CONSTRUCTION

Project

INTERIOR TENANT ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

PLUMBING DETAILS & GENERAL NOTES

DESIGNED	
DRAWN	MPM
REVIEWED	

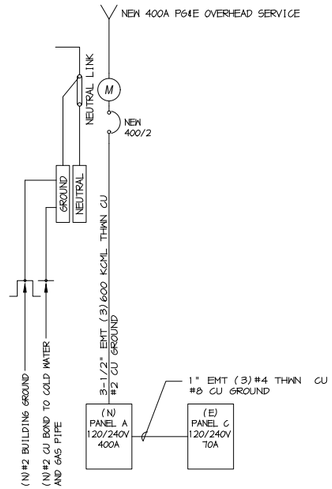
NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

JOB NO.	McD_19040
DATE	SEPTEMBER, 2019

Drawing No.

P3

OF SHEETS



1 E1.1 COMMUNITY HALL ONE LINE DIAGRAM

NO SCALE

New Main Panel A

Note	Type	Feet	Size	Qual.	% Drop	Load	Room	kVA	Breaker	#	A	C	#	Breaker	kVA	Load	Room	% Drop	Qual.	Size	Feet	Type	Note
						Voltage Drop Calcs		Voltage: 120/240	Bus: 400	Phase: 1	Wire: 3	Mounting: NEMA 3R		Main: 400/2	Location: Exterior at Rear				Status: New		Enclosure: NEMA 3R	AIC:		Voltage Drop Calcs					
2						Existing Panel B		12.94	78/2	1	14.38		2	30/2	1.44	Unit 1						M	2
								11.44		3		12.88	4		1.44							M	
1	M	50	8	CU	1.9	Water Heater - Stage		3.50	40/1	5	4.94		6	30/2	1.44	Unit 2						M	2
1	M	50	6	CU	1.9	Water Heater - Right		3.50	40/1	7		4.94	8		1.44							M	
1	M	50	8	CU	1.9	Water Heater - Left		3.50	40/1	9	4.50		10	15/1	1.80	Westchair Lift							
1	M	50	10	CU	1.9	Water Heater - Kitchen		2.25	30/2	11		2.79	12	20/1	0.54	Receptacles - Restrooms		0.7	CU	12	58	R	
	M							2.25		13	2.50		14	20/1	0.54	Receptacles - Kitchen		0.7	CU	12	58	R	
	K	50	6	CU	2.0	Kitchen Electric Range		6.00	50/2	15		7.20	16	20/1	1.20	Drinking Fountains		1.7	CU	12	58	M	
	K							6.00		17	7.50		18	20/2	1.50	Receptacles - Kitchen		2.1	CU	12	58	R	
	L	75	12	CU	2.1	Lighting - Restrooms, Kitchen		1.00	20/1	19		2.50	20		1.50	Receptacles - Kitchen		3.1	CU	12	58	R	
										21	1.80		22	20/1	1.80	Disposal, Refrigerator		1.4	CU	12	58	R	
										23		0.00	24										
										25	0.00		26										
										27		0.00	28										
										29	0.00		30										

Notes:
1 Provide Locking Device per CEC 422.31(B)
2 Reconnect existing equipment
3
4
E Existing load

Totals 25.11 30.31 65.4 kVA

Application of Demand Factors

C	Continuous Load	1.25		
R	Receptacle Load	1.00	3.84	2.64	5.1 kVA	Per CEC 220.44
L	Lighting Load	1.00			1.0 kVA	Per CEC 220.42
K	Kitchen Load	1.00	6.00	6.00	12.0 kVA	Per CEC 220.56
M	Mechanical Load	1.00	12.13	9.83	22.9 kVA	
	All Other Loads	1.00	13.94	11.44	25.4 kVA	
					65.4 kVA	
					272.6 Amperes	

Existing Basement Panel C

Note	Type	Feet	Size	Qual.	% Drop	Load	Room	kVA	Breaker	#	A	C	#	Breaker	kVA	Load	Room	% Drop	Qual.	Size	Feet	Type	Note
						Voltage Drop Calcs		Voltage: 120/240	Bus:	Phase: 1	Wire: 3	Mounting: Surface		Main: MLO	Location: Basement				Status: Existing		Enclosure: NEMA 1	AIC:		Voltage Drop Calcs					
	M					Range		6.00	50/2	1	7.44		2	30/2	1.44	Unit 3						M	
								6.00		3		7.44	4		1.44							M	
	M					Furnace		1.50	20/1	5	2.50		6	20/1/2P	1.00								
								0.50	20/1	7		1.50	8	20/1/2P	1.00								
								0.50	20/1	9	1.00		10	15/1	0.50	Lighting Stairs							
								0.50	20/1	11		1.00	12	20/1	0.50	Lighting Stairs							
								1.00	20/1/2P	13	2.00		14	20/1/2P	1.00								
								0.50	20/1	15		1.50	16	20/1/2P	1.00								

Notes:
1
2
3
4
E Existing Load

Totals 12.94 11.44 24.4 kVA

Application of Demand Factors

C	Continuous Load	1.25		
R	Receptacle Load	1.00				Per CEC 220.44
L	Lighting Load	1.00				Per CEC 220.42
K	Kitchen Load	0.65				Per CEC 220.56
M	Mechanical Load	1.00	8.94	1.44	10.4 kVA	
	All Other Loads	1.00	4.00	10.00	14.0 kVA	
					24.4 kVA	
					101.6 Amperes	

Existing Library Panel D

Note	Type	Feet	Size	Qual.	% Drop	Load	Room	kVA	Breaker	#	A	C	#	Breaker	kVA	Load	Room	% Drop	Qual.	Size	Feet	Type	Note
						Voltage Drop Calcs		Voltage: 120/240	Bus: 100	Phase: 1	Wire: 3	Mounting: Surface		Main: MLO	Location: Library				Status: Existing		Enclosure: NEMA 1	AIC:		Voltage Drop Calcs					
	M					Air Conditioning		8.00	60/2	1	8.00		2											
								8.00		2		8.00											
	R					South 1/2 Office		0.72	20/1	3	0.72												
	R					North 1/2 Office		0.72	20/1	4		0.72											
3	R	30	12	CU	1.1	Rest Rooms		1.38	20/1	5	1.38												
	R					North Wall Library		0.72	20/1	6		0.72											
	R					South Wall Library		0.72	20/1	7	0.72												
3	R	30	12	CU	0.4	South Main Lights		0.50	20/1	8		0.50											
	R					North Main Lights		0.50	20/1	9	0.50												
	R					Desk Lights		0.50	20/1	10		0.50											
	R					Entry Sensor		0.01	20/1	11	0.01												
1,2	M	30	8	CU	1.1	Water Heater		3.50	40/1	12		3.50											
										PFB	13	0.00											
										PFB	14		0.00										
										PFB	15	0.00											
										PFB	16		0.00										
										PFB	17	0.00											
										PFB	18		0.00										
										PFB	19	0.00											
										PFB	20		0.00										

Notes:
1 Provide Locking Device per CEC 422.31(B)
2 New Circuit Breaker
3 Existing circuit breaker
4
E Existing load

Totals 5.33 11.94 21.3 kVA

Application of Demand Factors

C	Continuous Load	1.25		
R	Receptacle Load	1.00	3.33	2.44	5.8 kVA	Per CEC 220.44
L	Lighting Load	1.00				Per CEC 220.42
K	Kitchen Load	0.65				Per CEC 220.56
M	Mechanical Load	1.00	8.00	3.50	8.5 kVA	
	All Other Loads	1.00	0.00	6.00	6.0 kVA	
					21.3 kVA	
					68.6 Amperes	

Fixture Schedule

Tag	Description	Manufacturer & Catalog Number	Lamps/Lumens	Dimming Type	Watts	Volts	Comments
W4	4' LED Surface Wraparound	Lithonia LBL4 4800LM 80CRI 35K GZ1 MVOLT	LED/4188 3500K	0-10V	32.4	120	
W2	2' LED Surface Wraparound with fixture mount occupancy sensor	Lithonia LBL2 2800LM 80CRI 35K L50R10	LED/2814 3500K		16.9	120	
XEM	Exit Sign with Bug-Eye and Remote Head Capability	Lithonia Lighting LHQM LED R HO	LED		5.8	120	
XR	Remote Head Weather Proof, Cast Aluminum	Lithonia Lighting ELA QWP L0309	LED		0.8	12	Slave to XEM

All light fixtures shall be UL Listed.
All exit signs and emergency lights shall have a minimum of 90 minutes backup.
Coordinate each fixture with compatable dimmer. Provide control wiring as required.

GENERAL NOTES

1. These general notes are intended to assist the contractor during execution of the work, however, they do not cover all of the specification requirements.
2. Locations of equipment are diagrammatic and job conditions may not always permit their installation exactly as shown; however, the design shall be followed as closely as existing conditions and actual building construction permit. The Contractor shall investigate the structural and finish conditions affecting the work and shall provide such fittings and accessories as may be required to meet conditions whether shown or not.
3. Coordinate all work with other trades to provide a complete installation. Connect all equipment furnished by others as required. Install all work to clear architectural and structural members.
4. Placement and circuiting of exit signs and egress lighting shall comply with the 2016 California Building Code (CBC) requirements and with the local fire marshal.
5. Install all equipment, conduits, outlets, and fixtures in strict accordance with all applicable codes. (2017 National Electrical Code (NEC), 2016 California Electrical Code (CEC) & California Energy Code – Title 24, Part 6 2016)
6. Do not scale electrical plans for fixtures, devices, or appliance locations. Use figured dimensions if given or check mechanical and architectural plans.
7. All material and equipment is to be listed and installed per manufacturer's specifications, CEC 110-3 and California Energy Code – Title 24.
8. Controls and switches intended to be used by the occupant of the room or area to control lighting and receptacle outlets, appliances or cooling, heating and ventilating equipment, shall be located no more than 48 inches measured from the top of the outlet box nor less than 15 inches measured from the bottom of the outlet box to the level of the finish floor or working platform.
9. Electrical receptacle outlets on branch circuits of 30 Amperes or less and communication system receptacles shall be located no more than 48 inches measured from the top of the receptacle outlet box or receptacle housing nor less than 15 inches measured from the bottom of the receptacle outlet box or receptacle housing to the level of the finish floor or working platform.
10. The final location of all outlets shall be verified with the owner at the time of construction.
11. All switches shall be specification grade 20 Ampere.
12. All duplex receptacles shall be specification grade, 20 Ampere.
13. All outdoor electrical equipment shall be weatherproof.
14. All conduit shall be routed concealed unless noted on the plan or approved by the architect or engineer.
15. All wiring whall be installed in conduit. Conduit installed in walls and ceiling to be EMT with steel set screw or compression type fittings. Conduit installed below grade shall be PVC schedule 40. MC cable may also be used in ceilings and walls where not exposed. Install all conduits in accordance with NECA standards of installation.
16. Provide water tight flex with ground wire for outside mechanical connections.
17. The minimum size of all conductors shall be #12 CU or as shown in CEC Table 310-5.
18. Provide minimum working clearance per CEC 2016 110-26.
19. Outlet boxes installed in fire walls shall be one piece steel and installed in separate (staggered) stud penetrations. Minimum 24 inch horizontal separation.
20. Breakers feeding circuits with a common neutral are to be fed in conformance with CEC Section 210.4 (B) using a common trip mechanism.

LIGHTING CONTROL SYMBOLS

- SensorSwitch nPODM XP DX WH, On/Off + Raise / Lower Push Button and Low Voltage Lighting Control Device. Number indicates number of channels. Letter indicates fixtures controlled.
- SensorSwitch nPODM WH, On/OFF Push Button
- SensorSwitch nPP16-D Power/Relay Pack with dimming.
- SensorSwitch nPP20 PL T24 Power/Relay Pack – For switched convenience outlets.
- SensorSwitch nPP16-D ER Power/Relay Pack with dimming and emergency feed.
- SensorSwitch nSP5 PCD ELV 120 Secondary Relay Pack with Line Voltage Dimming
- SensorSwitch nCM 10 Extended Range Occupancy Sensor
- SensorSwitch nCM PDT 9 ADCX Extended Range Occupancy Sensor with Auto Dimming Control Photocell.
- Line voltage, wall mounted occupancy sensor switch.
- Line voltage, wall mounted occupancy sensor switch with dimmer function.

NOTE: SYMBOLS INDICATED ABOVE MAY NOT NECESSARILY APPEAR AS PART OF THESE DRAWINGS IF NOT REQUIRED. PROVIDE COLOR AS DIRECTED BY ARCHITECT.

COORDINATE DEVICES AND PART NUMBERS WITH MANUFACTURER TO INSURE COMPATIBILITY OF ALL DEVICES.

COMPLY WITH ALL ASPECTS OF CALIFORNIA TL-24 (2016)

TYPICAL SYMBOLS

- LIGHTING FIXTURE, WALL MOUNTED
- EM NIGHT LIGHT – FIXTURES TAGGED "EM" TO HAVE EMERGENCY BATTERY BALLAST
- FLUORESCENT LIGHT FIXTURE, SEE FIXTURE SCHEDULE
- FLUORESCENT LIGHT FIXTURE, SEE FIXTURE SCHEDULE
- EXIT LIGHT FIXTURE. DIRECTIONAL ARROWS AS REQUIRED.
- EMERGENCY LIGHT. MOUNT AT 84" AFF.
- A LIGHT FIXTURE TAG. SEE FIXTURE SCHEDULE.
- FACP FIRE ALARM CONTROL PANEL
- F FIRE PULL STATION AT +48"
- FS FIRE FLOW SWITCH
- TS FIRE TAMPER SWITCH
- J JUNCTION BOX
- S SINGLE POLE TOGGLE SWITCH, 20A, +48"
- S^{2P} TWO GANG TOGGLE SWITCH, 20A, +48" UON LETTERS DENOTE FIXTURES SERVED
- S_2 2 POLE TOGGLE SWITCH, 20A, +48"
- S_3 3 WAY TOGGLE SWITCH, 20A, +48"
- S_D DIMMER SWITCH, 20A, +48"
- S_T TIMER SWITCH 20A, @ +48"
- S_K KEYED SWITCH, @ +48"
- PUSH BUTTON
- MOS MOTION SENSOR SWITCH – SINGLE LEVEL LEVITON ODS-15ID +48"
- MOS^{D} MOTION SENSOR SWITCH – DUAL LEVEL LEVITON ODSOD-ID +48"
- CH CEILING HALLWAY MOUNTED OCCUPANT SENSING DEVICE, LEVITON ODCOS-I1W.
- OS CEILING MOUNTED OCCUPANT SENSING DEVICE "OS". LEVITON OSC15-IOW WITH POWER PACK "PP" LEVITON OSPxx.
- MOS MOTION SENSOR SWITCH – CEILING MOUNTED LEVITON ODCoS-xx
- PP POWER PACK FOR MOTION SENSORS LEVITON OSPxx
- FOURPLEX RECEPTACLE 15A, 125V, +18"AFF UON.
- DUPLEX RECEPTACLE 15A, 125V, +18"AFF UON
- USB DUPLEX RECEPTACLE WITH USB 15A, 125V, +18" AFF UON
- MOUNT OUTLET ABOVE COUNTER OR BACKSPLASH (VERIFY HEIGHT W/ARCHITECT)
- OS SPLIT WIRED OUTLET ON OCCUPANCY SENSOR. LEVITON 5262-1PI
- OUTLET MOUNTED IN FLOOR OR CEILING.
- TELEPHONE OUTLET: +18"AFF UON, PROVIDE PULL WIRE OR 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.
- COMBINATION COMM/DATA OUTLET: +18"AFF UON, PROVIDE PULL WIRE OR 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.
- DATA OUTLET: +18" AFF UON, PROVIDE PULL WIRE OR 3/4: CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.
- TELEPHONE / DATA OUTLET MOUNTED IN FLOOR OR CEILING.
- MICROPHONE OUTLET MOUNTED IN FLOOR OR CEILING.
- MAIN SWITCHBOARD
- LIGHTING OR DISTRIBUTION PANEL,
- SURFACE OR FLUSH TERMINAL CABINET
- T DISTRIBUTION TRANSFORMER, MOUNTING AS NOTED
- DISCONNECT SWITCH SIZE & TYPE AS REQUIRED F=FUSED
- MOTOR SEE MECHANICAL PLANS AND SPECIFICATION
- EXHAUST FAN – SEE MECHANICAL PLANS AND SPECIFICATION
- AC-1 MECHANICAL EQUIPMENT I.D. TAG – SEE MECHANICAL PLANS
- CIRCUIT CONCEALED IN CEILING OR WALL
- CIRCUIT CONCEALED IN FLOOR OR UNDERGROUND
- HOME RUN TO PANELBOARD OR TERMINAL CABINET
- DENOTES # OF #12 WIRES, NO MARKS = 2 #12, ¾"C, CURVED HATCH DENOTES GROUND. OTHERS AS NOTED
- CONDUIT SEAL OFF
- TELEPHONE TERMINAL BOARD: SIZE AS SHOWN. FOURPLEX RECEPTACLE & 1 #6 CU TO GROUND.

NOTE: SYMBOLS INDICATED ABOVE MAY NOT NECESSARILY APPEAR AS PART OF THESE DRAWINGS IF NOT REQUIRED.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BCW	BARE COPPER WIRE
C	CONDUIT
CEC	CALIFORNIA ELECTRICAL CODE
D	DEDICATED
(E)	EXISTING
EG	EQUIPMENT GROUND
EM	EMERGENCY
FACP	FIRE ALARM CONTROL PANEL
G	GROUND FAULT CIRCUIT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
MCM	MILLION CIRCULAR MILLS
MP&S	SEE MECHANICAL PLANS & SPECIFICATIONS
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE – NFPA 70
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NL	NIGHT LIGHT – FIXTURE TO BE UNSWITCHED
PFB	PROVISION FOR FUTURE BREAKER
PVC	POLYVINYL CHLORIDE CONDUIT
(R)	RELOCATE AS INDICATED
(RV)	REMOVE – RESTORE CONTINUITY TO REMAINING DEVICES.
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
XFMR	TRANSFORMER

Project

INTERIOR TENANT ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

SCHEDULES

DRAFT
NOT FOR CONSTRUCTION

Author:	
Drawn By:	WVN
Checked:	

NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

Job No.	19136
Date	SEPTEMBER, 2019

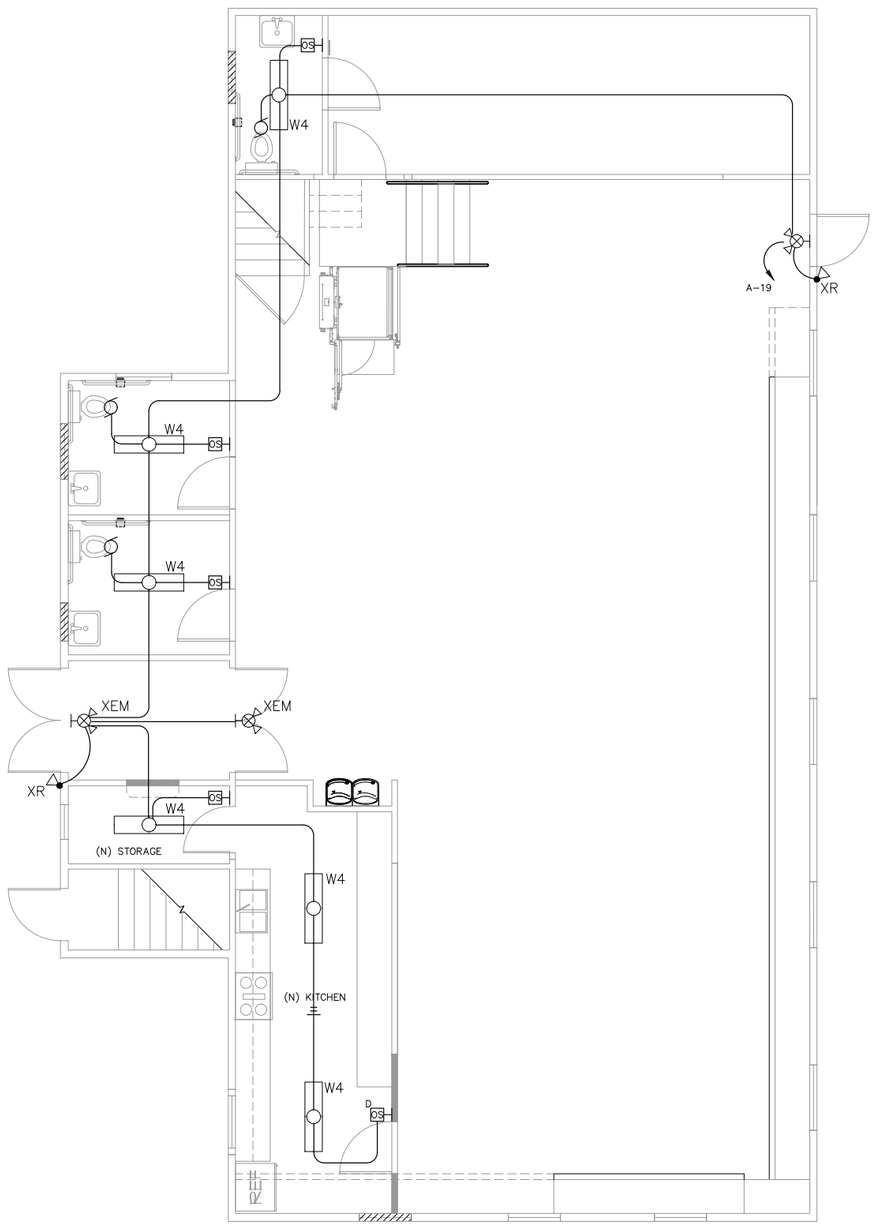
Drawing No.

E1.1

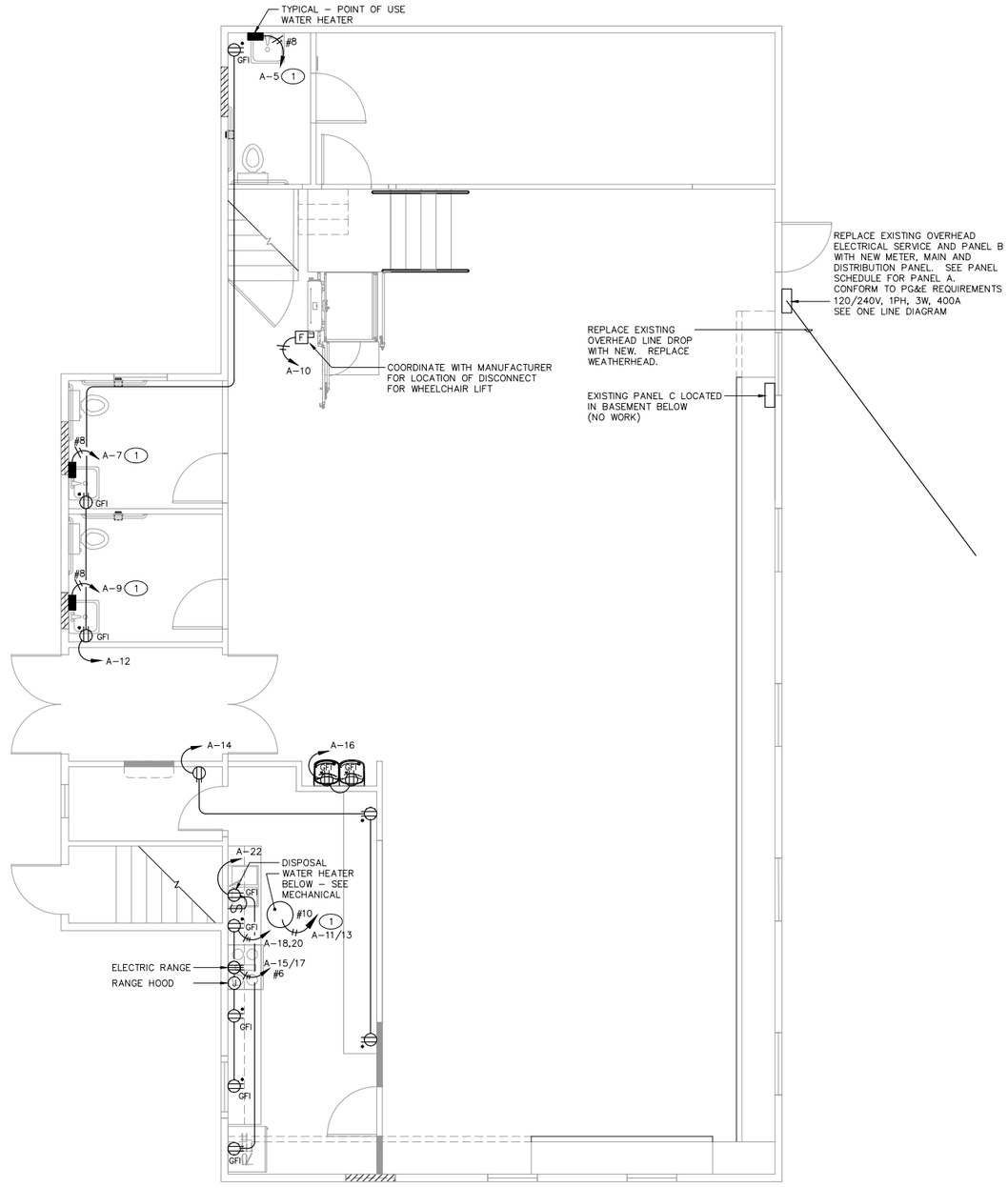
OF SHEETS

NUMBERED NOTES

(1) Provide locking device at circuit breaker per CEC 422.31(B)



1 E2.1 LIGHTING PLAN
SCALE: 1/4" = 1' - 0"



2 E2.1 POWER PLAN
SCALE: 1/4" = 1' - 0"

Project

INTERIOR TENANT ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

ELECTRICAL - COMMUNITY HALL

DRAFT
NOT FOR CONSTRUCTION

Author
Drawn By: WYN
Checked

NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

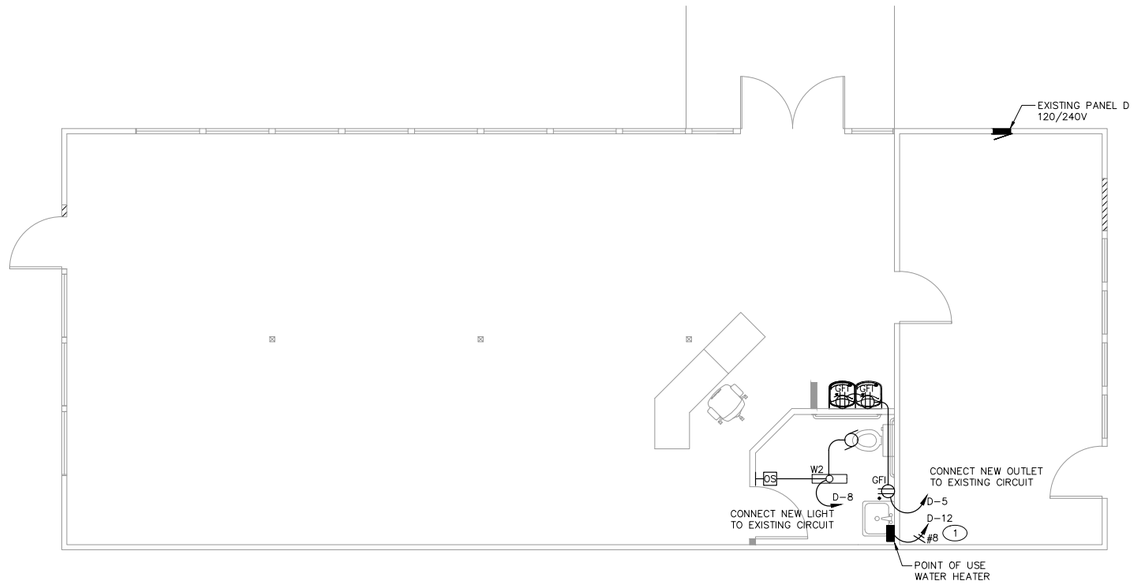
Job No. 19136
Date SEPTEMBER, 2019

Drawing No.

E2.1

OF SHEETS

Plot Date=10/30/2019 8:57:58 PM File Name=C:\Dropbox\AutoDesk\2019\19080 Hamilton City\19080 Hamilton City.dwg



1 E2.2 LIBRARY
LIGHTING AND POWER
SCALE: 1/4" = 1' - 0"

Project

INTERIOR TENANT
ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title

ELECTRICAL - LIBRARY

DRAFT
NOT FOR CONSTRUCTION

Drawn By: WVN

NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

Job No. 19136
Date SEPTEMBER, 2019

Drawing No.

E2.2

OF *SHEETS*

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E
Project Name: Community Hall & Library ADA Upgrade — Report Page: Page 1 of 6
Project Address: 330 Broadway Avenue, Hamilton City, CA 95951 — Date Prepared: October 30, 2019

A. GENERAL INFORMATION

01	Project Location (city)	Hamilton City	04	Total Conditioned Floor Area (ft²)	481
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	

☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☐ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☑ Other (write in): Community Center

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01		02	03	04	05
My Project Consists of (check all that apply):		Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☐ New Lighting System					
☑ Altered Lighting System	Entire Luminaire Alteration	Area Category	481		
	Total Area of Work (ft²):	481			

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	Allowed Lighting Power per §140.6(b) (Watts)						Actual Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04	05		06	07	08		09	10
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Footnotes §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	Total Allowed (Watts)		Total Designed (Watts)	Adjustments: Portable Lighting §140.6(a) (-)	Adjustments: PAF Control Credits §140.6(a)2 (-)		Total Actual (Watts) *Includes Adjustments	05 Must be ≥ 09 §140.6
	(See Table I)	(See Table I)	(See Table K)	(See Table L)			(See Table F)	(See Table J)	(See Table R)			
Conditioned:		425.4			425.4	≥	194.4			=	194.4	COMPLIES
Unconditioned:						≥				=		
											Controls Compliance (See Table H for Details)	COMPLIES with Exceptional Conditions
											Rated Power Reduction Compliance (See Table S for Details)	Not Applicable

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E
Project Name: Community Hall & Library ADA Upgrade — Report Page: Page 2 of 6
Project Address: 330 Broadway Avenue, Hamilton City, CA 95951 — Date Prepared: October 30, 2019

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H. Indoor Lighting Controls Permit Applicant Notes:
Restrooms: Less than .5W/Ft
Storage: Less than 100 SF

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03		04	05	06	07	08	09	
Name or Item Tag	Complete Luminaire Description	Specialized Luminaire Types: Track	Specialized Luminaire Types: Portable	Watts per luminaire[1]	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector: Pass	Field Inspector: Fail
W4	4' LED Surface Wraparound	☐	☐	32.4	Mfr. Spec[1]	6	☐	194.4	☐	☐
							Total Designed Watts CONDITIONED SPACES:	194.4		

[1]*NOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. TRACK LIGHTING

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions:
*Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls		
01	02	03
Mandatory Demand Response §130.1(e)	Shut-off Controls §130.1(c)	Field Inspector: Pass / Fail
Not Required ≤ 10,000 SF	See Area Level Controls	☐ ☐

Area Level Controls
Table Continued

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E
Project Name: Community Hall & Library ADA Upgrade — Report Page: Page 3 of 6
Project Address: 330 Broadway Avenue, Hamilton City, CA 95951 — Date Prepared: October 30, 2019

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector: Pass	Field Inspector: Fail
Restrooms	Corridor, Restrm, Stair, Support	Manual ON/OFF	Exempt *	Occ Sensor	N/A	N/A	☐	☐	☐
Storage	Commercial and Industrial Storage	Manual ON/OFF	Exempt *	Occ Sensor	N/A	N/A	☐	☐	☐
Kitchen	Kitchen, Food Preparation	Manual ON/OFF	Dimmer	Occ Sensor	N/A	N/A	☐	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2
Restrooms Less than .5W/Ft
Storage Less than 100 SF

13
Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06		
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowances / Adjustments: Footnotes	PAF	Portable Ltg
Restrooms	Corridor, Restrm, Stair, Support	0.6	207	124.2	☐	☐	☐
Storage	Commercial and Industrial Storage	0.6	46	27.6	☐	☐	☐
Kitchen	Kitchen, Food Preparation	1.2	228	273.6	☐	☐	☐
		TOTAL:	481	425.4	See Tables J, K, R for detail		

J. POWER ADJUSTMENT: PORTABLE LIGHTING IN OFFICES

This Section Does Not Apply

K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD FOOTNOTES

This Section Does Not Apply

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E
Project Name: Community Hall & Library ADA Upgrade — Report Page: Page 4 of 6
Project Address: 330 Broadway Avenue, Hamilton City, CA 95951 — Date Prepared: October 30, 2019

L. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED SPECIAL FUNCTION AREAS

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAF)

This Section Does Not Apply

S. RATED POWER REDUCTION COMPLIANCE BY SPACE

This Section Does Not Apply

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E
Project Name: Community Hall & Library ADA Upgrade — Report Page: Page 5 of 6
Project Address: 330 Broadway Avenue, Hamilton City, CA 95951 — Date Prepared: October 30, 2019

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at http://www.energy.ca.gov/2015publications/CEC-400-2015-033/appendices/forms/NRCI

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

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector: Pass	Field Inspector: Fail
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-E
Project Name: Community Hall & Library ADA Upgrade — Report Page: Page 6 of 6
Project Address: 330 Broadway Avenue, Hamilton City, CA 95951 — Date Prepared: October 30, 2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name:	William Norberg	Documentation Author Signature:	
Company:	Norberg Engineering Co., Inc.	Signature Date:	October 30, 2019
Address:	PO Box 5090	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	El Dorado Hills, CA 95762	Phone:	916 996-8322

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

Responsible Designer Name:	William Norberg	Responsible Designer Signature:	
Company :	Norberg Engineering Co., Inc.	Date Signed:	October 30, 2019
Address:	PO Box 5090	License:	E0668
City/State/Zip:	El Dorado Hills, CA 95762	Phone:	916 996-8322

DRAFT
NOT FOR CONSTRUCTION

Project
INTERIOR TENANT ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title
TL-24 COMMUNITY HALL

[redacted]
[redacted] WVN
[redacted]

NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

[redacted] 19136
[redacted] SEPTEMBER, 2019

Drawing No.
E3.1

OF SHEETS

Plot Date=10/30/2019 9:57:09 PM File Name=C:\Dropbox\AcadDocs\2019\19080 Hamilton City\19102 19080 Hamilton City.dwg

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name:	Community Hall & Library ADA Upgrade	Report Page:	Page 1 of 6
Project Address:	330 Broadway Avenue, Hamilton City, CA 95951	Date Prepared:	October 30, 2019

A. GENERAL INFORMATION

01	Project Location (city)	Hamilton City	04	Total Conditioned Floor Area (ft²)	63
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	

☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☐ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☑ Other (write in): Library

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01		02	03	04	05
My Project Consists of (check all that apply):		Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☐ New Lighting System					
☑ Altered Lighting System	Entire Luminaire Alteration	Area Category	63		
	Total Area of Work (ft²)	63			

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	Allowed Lighting Power per §140.6(b) (Watts)						Actual Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04	05		06	07	08	09		10
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Footnotes §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	Total Allowed (Watts)		Total Designed (Watts)	Adjustments: Portable Lighting §140.6(a) (-)	Adjustments: PAF Control Credits §140.6(a)2 (-)	Total Actual (Watts) *Includes Adjustments		05 Must be ≥09 §140.6
	(See Table I)	(See Table I)	(See Table K)	(See Table L)			(See Table F)	(See Table J)	(See Table R)			
Conditioned:		37.8			37.8	≥	16.9			16.9	=	COMPLIES
Unconditioned:						≥					=	
										Controls Compliance (See Table H for Details)		COMPLIES with Exceptional Conditions
										Rated Power Reduction Compliance (See Table S for Details)		Not Applicable

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name:	Community Hall & Library ADA Upgrade	Report Page:	Page 2 of 6
Project Address:	330 Broadway Avenue, Hamilton City, CA 95951	Date Prepared:	October 30, 2019

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H. Indoor Lighting Controls Permit Applicant Notes:
Restrooms: Less than 100 SF

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03		04	05	06	07	08	09	
Name or Item Tag	Complete Luminaire Description	Specialized Luminaire Types: Track	Specialized Luminaire Types: Portable	Watts per luminaire[1]	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector: Pass	Field Inspector: Fail
W2	2' LED Surface Wraparound	☐	☐	16.9	Mfr. Spec[1]	1	☐	16.9	☐	☐
						Total Designed Watts CONDITIONED SPACES:		16.9		

[1]NOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

G. TRACK LIGHTING

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions:
Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a " is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls			
01	02	03	
Mandatory Demand Response §130.1(e)	Shut-off Controls §130.1(c)	Field Inspector: Pass	Field Inspector: Fail
Not Required ≤ 10,000 SF	See Area Level Controls	☐	☐
Area Level Controls			
Table Continued			

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name:	Community Hall & Library ADA Upgrade	Report Page:	Page 3 of 6
Project Address:	330 Broadway Avenue, Hamilton City, CA 95951	Date Prepared:	October 30, 2019

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector: Pass	Field Inspector: Fail
Restrooms	Corridor, Restrm, Stair, Support	Manual ON/OFF	Exempt *	Occ Sensor	N/A	N/A	☐	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2

Restrooms	Less than 100 SF	13	Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Categary Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06		
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowances / Adjustments: Footnotes	PAF	Portable Ltg
Restrooms	Corridor, Restrm, Stair, Support	0.6	63	37.8	☐	☐	☐
		TOTAL:	63	37.8	See Tables J, K, R for detail		

J. POWER ADJUSTMENT: PORTABLE LIGHTING IN OFFICES

This Section Does Not Apply

K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD FOOTNOTES

This Section Does Not Apply

L. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED SPECIAL FUNCTION AREAS

This Section Does Not Apply

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name:	Community Hall & Library ADA Upgrade	Report Page:	Page 4 of 6
Project Address:	330 Broadway Avenue, Hamilton City, CA 95951	Date Prepared:	October 30, 2019

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAF)

This Section Does Not Apply

S. RATED POWER REDUCTION COMPLIANCE BY SPACE

This Section Does Not Apply

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name:	Community Hall & Library ADA Upgrade	Report Page:	Page 5 of 6
Project Address:	330 Broadway Avenue, Hamilton City, CA 95951	Date Prepared:	October 30, 2019

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at http://www.energy.ca.gov/2015publications/CEC-400-2015-033/appendices/forms/NRCI

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

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector: Pass	Field Inspector: Fail
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 7/18) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

Project Name:	Community Hall & Library ADA Upgrade	Report Page:	Page 6 of 6
Project Address:	330 Broadway Avenue, Hamilton City, CA 95951	Date Prepared:	October 30, 2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name:	William Norberg	Documentation Author Signature:	
Company:	Norberg Engineering Co., Inc.	Signature Date:	October 30, 2019
Address:	PO Box 5090	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	El Dorado Hills, CA 95762	Phone:	916 996-8322

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

Responsible Designer Name:	William Norberg	Responsible Designer Signature:	
Company :	Norberg Engineering Co., Inc.	Date Signed:	October 30, 2019
Address:	PO Box 5090	License:	E0668
City/State/Zip:	El Dorado Hills, CA 95762	Phone:	916 996-8322

Plot Date:10/30/2019 9:57:12 PM File Name:C:\Dropbox\LocalDocs\2019\19080 Hamilton City\19103D 19080 Hamilton City.dwg

Project
INTERIOR TENANT ALTERATION FOR

COMMUNITY HALL & LIBRARY ADA UPGRADE

330 BROADWAY AVENUE
HAMILTON CITY, CA 95951

Sheet Title
TL-24 LIBRARY

DRAFT
NOT FOR CONSTRUCTION

Author	
Checked By	WVN
Project No.	

NO.	DATE	DESCRIPTION
	9/20/19	CLIENT REVIEW

Job No.	19136
Date	SEPTEMBER, 2019

Drawing No.
E3.2

OF SHEETS