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WALLIS DESIGN STUDIO ARCHITECTS, INC.

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TYPICAL NOTES

A. SIMILAR - MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTES. VERIFY DIMENSIONS AND/OR ORIENTATIONS ON PLANS AND/OR ELEVATIONS.

B. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF ARCHITECT IN WRITING.

C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT OF ANY CONFLICTS HEREIN, EITHER APPARENT OR OBVIOUS, PRIOR TO START OF WORK ON THAT ITEM OR BEAR THE RESPONSIBILITY OF CORRECTING SUCH WORK AS DIRECTED BY THE ARCHITECT AND AT NO ADDITIONAL COST AND NO TIME EXTENSION OF THE PROJECT.

D. UNDERCUT ALL DOORS TO CLEAR TOP OF FLOOR FINISH AND/OR THRESHOLD 1/4 INCH MAXIMUM AND IN COMPLIANCE WITH RATED DOOR/FRAME GUIDELINES.

E. USE WATER RESISTANT / GLASS FIBER FACED GYPSUM WALLBOARD ON ALL WALL FACES WHICH ARE EXPOSED TO WATER OR MOISTURE AS WELL AS THOSE USED FOR JANITOR, TOILET AND SHOWER WALLS, COORDINATE WITH SPECIFICATIONS.

F. SEE DRAWINGS AND DETAILS FOR TYPICAL NOTES.

PROJECT TEAM

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COUNTY OF NEVADA
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PROJECT INFORMATION

GENERAL SITE INFORMATION
LOCATION: 10988 COMBIE RD. SUITE 108 & 110, AUBURN, CA 95602

GENERAL SCOPE OF WORK
PROJECT CONSISTS OF:
1. TENANT IMPROVEMENT FOR 1ST FLOOR
2. MINOR SITE IMPROVEMENTS INCLUDING ADA PATH OF TRAVEL & PARKING
3. UTILITY UPGRADES TO SUPPORT EXPANDED BUILDING.

EXISTING BUILDING INFORMATION
APN: 021-010-025
ZONING: C1-SC-5P
OCCUPANCY TYPE: B (A<50)
OCCUPANT LOAD:
FIXED SEATING 19
LOBBY 1:50 66 SF 2
MAIN LIBRARY 1:50 399 SF 8
CHILDREN'S SECTION 1:50 145 SF 3
CONFERENCE ROOM 1:15 184 SF 13
OFFICE 1:150 86 SF 1
TOTAL LIBRARY 46 (LESS THAN 49)
SHERIFF'S OFFICE 1:150 130 SF 1
REPORT WRITING 1:150 84 SF 1
TOTAL SHERIFF'S 2
TOTAL IMPROVEMENT OCCUPANCY 48

USE: BUSINESS
TYPE OF CONSTRUCTION: TYPE VB

TENANT IMPROVEMENT INFORMATION
OCCUPANCY TYPE: B
USE: LIBRARY/SHERIFF SUB-STATION
FIRE SPRINKLERS: B NON-SPRINKLERED (EXISTING)
LIBRARY AREA: 2,389 SF
SHERIFF AREA: 242 SF
TOTAL PROJECT AREA: 2,631 SF

NOTE: THIS PROJECT IS NOT PUBLIC LIBRARIES FUNDED FROM THE CALIFORNIA LIBRARY CONSTRUCTION AND RENOVATION ACT OF 1988.

CONTRACTOR RESPONSIBILITIES

A. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SPECIFICATIONS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES FOUND PRIOR TO PROCEEDING WITH THE WORK IN UNCERTAINTY.

B. THE CONTRACTOR SHALL VERIFY CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN UNCERTAINTY.

C. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT PRIOR TO ANY EXCAVATING.

D. THE CONTRACTOR SHALL COORDINATE THE REMOVAL, ABANDONMENT AND/OR LOCATIONS OF EXISTING UTILITIES ABOVE OR BELOW GRADE WITH THE RESPECTIVE UTILITY COMPANIES.

E. THE CONTRACTOR SHALL PERFORM ALL WORK WITHIN STREET RIGHT-OF-WAYS ACCORDING TO THE APPROVED STANDARD PLANS AND SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION.

F. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR ALL WORK IN CITY ROAD.

G. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACES, SHORES, AND GUYS REQUIRED TO SUPPORT ALL LOADS TO WHICH THE BUILDING STRUCTURES AND COMPONENTS, ADJACENT SOILS AND STRUCTURES, UTILITIES AND RIGHT-OF-WAYS MAY BE SUBJECT DURING CONSTRUCTIONS.

H. FLOOR AND WALL OPENINGS, SLEEVES, VARIATIONS IN THE STRUCTURAL SLAB ELEVATIONS, DEPRESSED AREAS AND ALL OTHER ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND/OR CIVIL REQUIREMENTS MUST BE COORDINATED BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK.

220551 JOB SET

SUBJECT TO FIELD INSPECTION

Plans shall reflect the scope of work of the project. Any changes or deviations must be submitted and reviewed by the Building Department prior to inspection.

SPECIAL INSPECTIONS

A. NONE

DEFERRED APPROVALS

A. CONTRACTOR SHALL SUBMIT DOCUMENTS TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. ANY EXCEPTIONS MUST BE ADDRESSED BEFORE SUBMITTING TO THE BUILDING DEPARTMENT.

- FIRE ALARM SYSTEM

No.	Description	Date
1	Plan Check Comments	5/19/22
2	Plan Check Comments	6/17/22

AGENCIES & UTILITIES

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REVIEWED FOR CODE COMPLIANCE
USING THE FOLLOWING CODES:
 2019 CALIFORNIA RESIDENTIAL CODE
 2019 CALIFORNIA BUILDING CODE
 2019 CALIFORNIA ELECTRICAL CODE
 2019 CALIFORNIA PLUMBING CODE
 2019 CALIFORNIA MECHANICAL CODE
 2019 CALIFORNIA ENERGY CODE
 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
 2019 CALIFORNIA BUILDING CODE - STRUCTURAL DESIGN PROVISIONS ONLY
 2019 CALIFORNIA FIRE CODE
 OTHER _____
 COMPLETION OF THIS REVIEW DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE OR LOCAL REGULATIONS.
 BY: M.Henon DATE: 06 July 2022
 INTERWEST CONSULTING GROUP

The library will have the followings:
 1- A posting sign at the main entrance indicating a maximum 49 occupants
 2- operational plans and employee training in place to enforce the maximum occupant load of the library to 49 MAX.

Per email from Nicholas McBurney, Supervising Building Plans Examiner Nevada County Building Department on 7/6/2022

Planning Department approval per Maria Masiscalco

CODES AND STANDARDS

ALL WORK SHALL COMPLY WITH THE 2019 CALIFORNIA CODE OF REGULATIONS, TITLE-24, CALIFORNIA BUILDING STANDARDS COMMISSION (CBCS) - PARTS 1 THRU PART 12

A. PART 1 - CALIFORNIA ADMINISTRATIVE CODE
 B. PART 2, VOLUME 1 OF 2 - CALIFORNIA BUILDING CODE (CBC)
 C. PART 2, VOLUME 2 OF 2 - CALIFORNIA BUILDING CODE (CBC)
 D. PART 2.5 - CALIFORNIA RESIDENTIAL CODE (CRC)
 E. PART 3 - CALIFORNIA ELECTRICAL CODE (CEC)
 F. PART 4 - CALIFORNIA MECHANICAL CODE (CMC)
 G. PART 5 - CALIFORNIA PLUMBING CODE (CPC)
 H. PART 6 - CALIFORNIA ENERGY CODE
 I. PART 7 - CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE
 J. PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
 K. PART 9 - CALIFORNIA FIRE CODE
 L. PART 10 - CALIFORNIA CODE FOR BUILDING CONSERVATION
 M. PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE
 N. PART 12 - CALIFORNIA REFERENCED STANDARDS CODE (CALGreen)

ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE CALIFORNIA CODE OF REGULATIONS (CCR), OFFICE OF ADMINISTRATIVE LAW.

A. TITLE 19 C.C.R., PUBLIC SAFETY
 B. TITLE 24 C.C.R., BUILDING STANDARDS CODE

ALL WORK SHALL COMPLY WITH THE CURRENT FOLLOWING AUTHORITIES AND THEIR STANDARDS:

A. BUILDING & SAFETY DIVISION
 B. PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
 C. PUBLIC WORKS DEPARTMENT
 D. FIRE DEPARTMENT
 E. AMERICANS WITH DISABILITIES ACT - (ADA)

LEGEND

	AGGREGATE FILL
	EARTH
	CONCRETE
	CONCRETE UNIT MASONRY
	BATT INSULATION
	RIGID INSULATION
	STRUCTURAL SHEATHING
	WOOD FRAMING, CONTINUOUS
	WOOD FRAMING, BLOCKING
	GYPSUM BOARD
	WOOD FINISH

SYMBOLS

	SIM	SECTION VIEW
	0	GRID LINE
	1i	WALL TYPE
	1	SHEET NOTE
	000000.A	KEY NOTE
	101	DOOR TAG
	1i	WINDOW TAG
	-	DETAIL NUMBER
	-	SHEET NUMBER
	CL	CENTER LINE
	—	AFF REFERENCE HEIGHT
	A	ACCESSORY DESIGNATION

APPROVALS

Proj. No.: 2021020

Date: 02.17.2022

Scale: 1" = 1'-0"

Drawn By: CF

Drawing Title: COVER SHEET

Drawing Number: Ao.0

JOB SET

6/17/2022 3:23:27 PM



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No.	Description	Date
1	Plan Check Comments	6/17/22
2		

Proj. No.: 2021020

Date: 02.17.2022

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

Drawn By: CF

Drawing Title:

EGRESS SIGNAGE PLAN

Drawing Number:

A0.3

6/17/2022 3:25:06 PM

LEGEND

ROOM SYMBOLS

- Name → ROOM NAME
- 101 → ROOM NUMBER
- 150 SF → SQUARE FOOTAGE
- Occupancy → OCCUPANCY TYPE

EXISTING ANALYSIS SYMBOLS

- → OCCUPANT LOAD OF SPECIFIC ROOM
SF / FLOOR AREA ALLOWANCE PER OCCUPANT = OCCUPANT LOAD
ARROW SHOWS DIRECTION OF TRAVEL
- → ESTIMATED OCCUPANT LOAD TO EXIT FROM MAIN AREA, TYPICALLY 1/2 OR 1/3 THE MAIN AREA OCCUPANT LOAD ARROW SHOWS DIRECTION OF TRAVEL
- 1+2+3+4=10 → COMBINED OCCUPANT LOAD WHEN MULTIPLE LOADS DUMP INTO A SINGLE AREA
- → OCCUPANT LOAD AT EXTERIOR DOOR USED FOR MINIMUM CLEAR DOOR WIDTH CALCULATION.
- → OCCUPANT LOAD AT STAIR USED FOR MINIMUM STAIR WIDTH CALCULATION.
- AU → ACCESSORY USE = ○ OCCUPANT LOAD
- - - → EXIT PATH OF TRAVEL

FIRE EXTINGUISHERS

- FES → FIRE EXTINGUISHER: SEMI RECESSED WITH SIGNAGE

HARDWARE

- P → TYPICAL NON LATCHING HARDWARE AT EXIT DOORS.
PANIC DEVICE (EXIT DEVICE) AT LATCHING DOORS.

EXIT SIGNS (ILLUMINATED)

- EXIT → ILLUMINATED EXIT SIGN

SIGNAGE LEGEND

- E → TACTILE EXIT SIGN: "EXIT"
(CBC 1013.4)
• EACH GRADE LEVEL EXTERIOR DOOR WHICH LEADS DIRECTLY TO EXTERIOR.
- RD → RESTROOM DOOR MOUNTED IDENTIFICATION SIGN:
"MEN" OR "WOMEN" WITH WHEELCHAIR
- PR → PERMANENT AND TACTILE ROOM IDENTIFICATION SIGN
- ISA → ACCESSIBLE ENTRANCE SIGN:
"INTERNATIONAL SYMBOL OF ACCESSIBILITY"
- FE → FIRE EXTINGUISHER SIGNAGE
- OCC → MAXIMUM OCCUPANCY SIGNAGE:
• "MAXIMUM OCCUPANCY SHALL NOT EXCEED 49"
• THE OCCUPANT LOAD OF OUTDOORS AREA SHALL BE ASSIGNED BY THE BUILDING OFFICIAL IN ACCORDANCE WITH THE ANTICIPATED USE PER CBC 1004.7.
• MOUNT SIGN ON WALL AT 8'-0" AFF TO TOP OF SIGN.
- U → UTILITY ROOM SIGNAGE
- ER → TACTILE EXIT ROUTE SIGN: "EXIT ROUTE"
- AL → "ASSISTIVE LISTENING SYSTEM AVAILABLE" SIGN PER 11B-703.5 AND 11B-703.7.2.4.

NOTE:

- REFER TO SITE DETAILS FOR SITE SIGNAGE NOT ATTACHED TO BUILDING OR LOCATED WITHIN BUILDING.

GENERAL NOTES

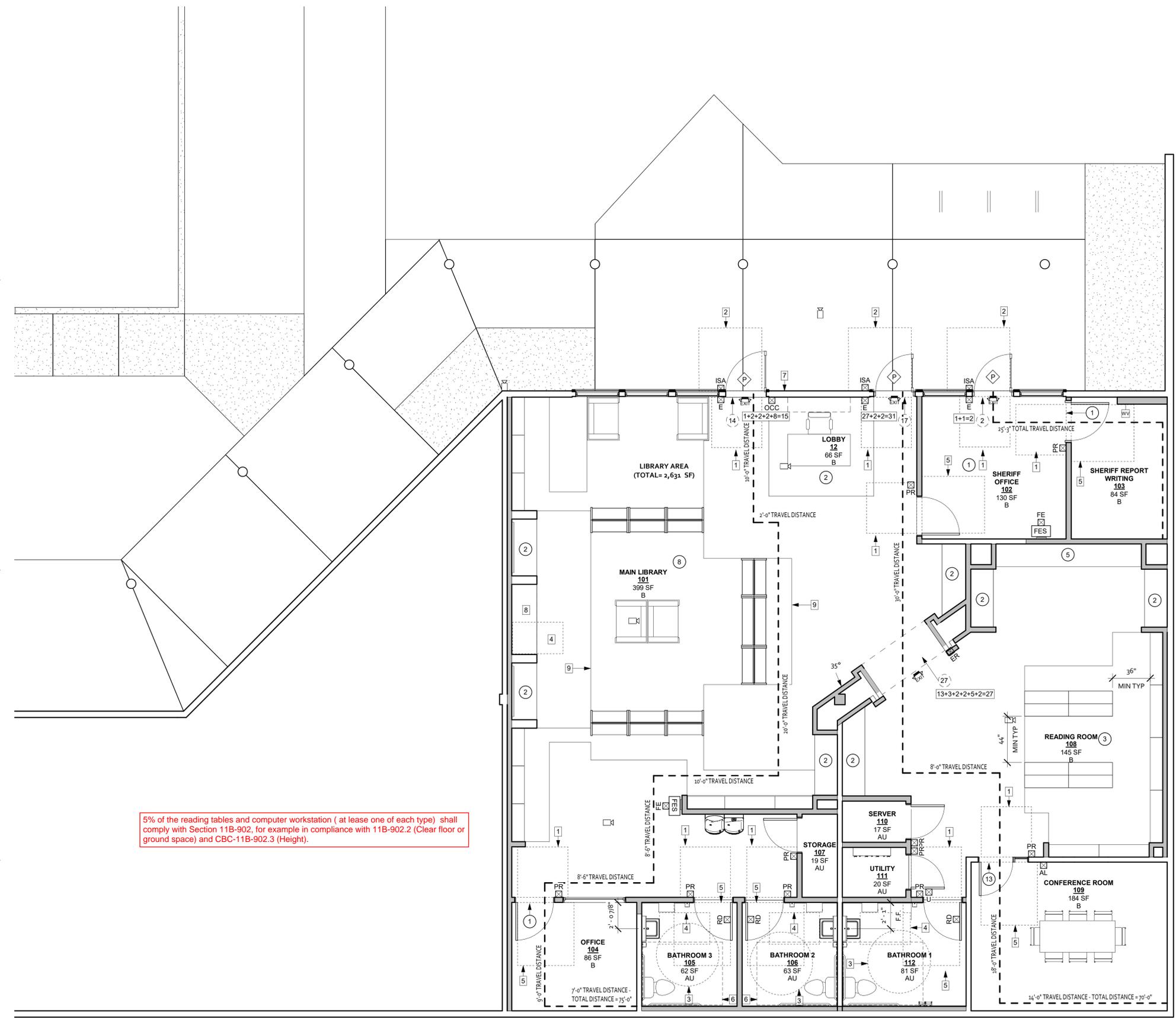
- FOR SIGNAGE REFER TO SPECIFICATION SECTION 10440, DETAILS AND THIS SHEET. VERIFY ALL LETTER SIGNAGE WITH ARCHITECT PRIOR TO FABRICATION.
- COORDINATE THIS PLAN WITH DOCUMENTS INCLUDING BUT NOT LIMITED TO, FLOOR PLANS, ELEVATIONS, AND CEILING PLANS FOR ALL DISCIPLINES.
- INSTALL BLANK SIGN ON OPPOSITE SIDE OF SIGN WHEN INSTALLING ON GLASS. MOUNT SIGNS BACK TO BACK AT GLAZING.
- TENANT TO PROVIDE A MINIMUM OF TWO (2) PORTABLE ASSISTIVE LISTENING SYSTEMS AVAILABLE AT THE FRONT DESK. PORTABLE ASSISTIVE LISTENING SYSTEMS SHALL COMPLY WITH CBC SECTION 11B-706.

REVIEWED
 FOR
 CODE COMPLIANCE
 Jul 06, 2022
 INTEREST CONSULTING GROUP

JOB SET

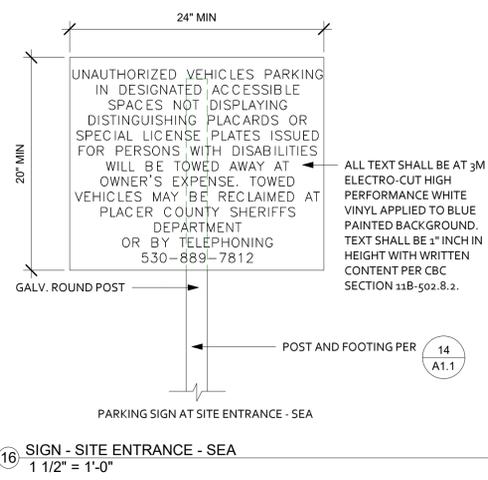
SHEET NOTES

- 48" x 48" MANEUVERING CLEARANCE AS INDICATED, TYPICAL WHERE SHOWN.
- 60" x 60" MANEUVERING CLEARANCE AS INDICATED, TYPICAL WHERE SHOWN.
- 60" RADIUS MANEUVERING CLEARANCE AS INDICATED, TYPICAL WHERE SHOWN.
- 30" x 48" MANEUVERING CLEARANCE AS INDICATED, TYPICAL WHERE SHOWN.
- 54" x 60" MANEUVERING CLEARANCE AS INDICATED, TYPICAL WHERE SHOWN.
- 60" x 78" MANEUVERING CLEARANCE AS INDICATED, TYPICAL WHERE SHOWN.
- PORTABLE ASSISTED LISTENING SYSTEM SHALL HAVE AT LEAST ONE TACTILELY DISCREMINABLE INPUT CONTROL FOR EACH FUNCTION PER 11B-707.6.
- COMPUTER WORKSTATION
- EDGE OF CIRCULATION TYPICAL (GRAPHICAL ONLY)

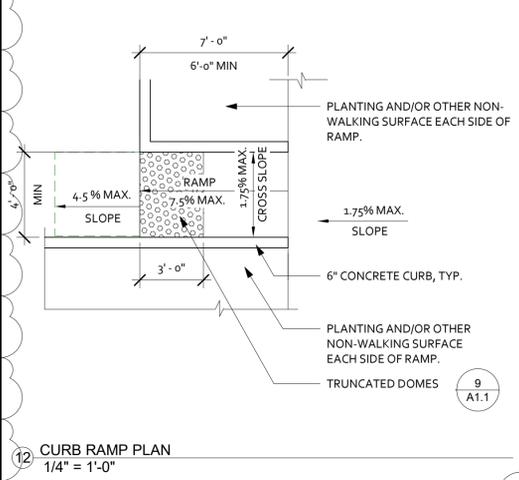


5% of the reading tables and computer workstation (at least one of each type) shall comply with Section 11B-902, for example in compliance with 11B-902.2 (Clear floor or ground space) and CBC-11B-902.3 (Height).

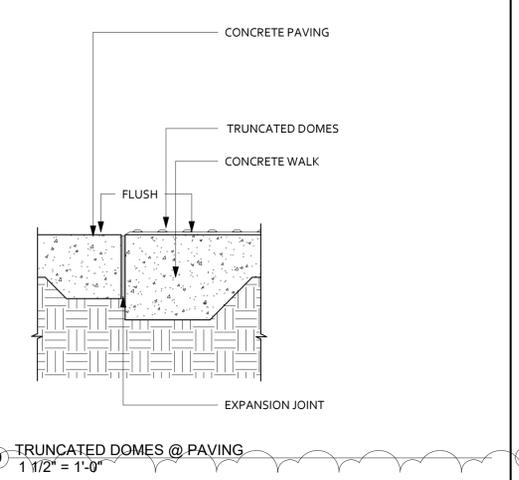
1 1ST FLOOR PLAN - EGRESS & SIGNAGE
1/4" = 1'-0"



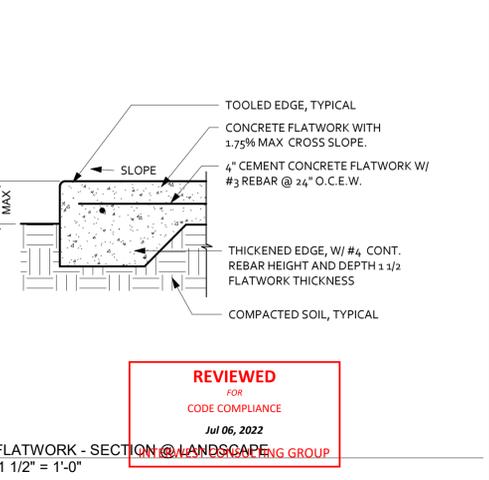
16 SIGN - SITE ENTRANCE - SEA
1 1/2" = 1'-0"



12 CURB RAMP PLAN
1/4" = 1'-0"

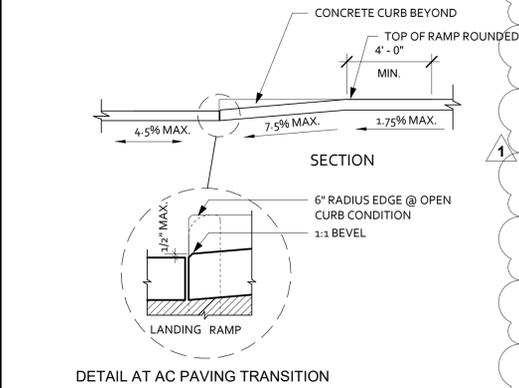


9 TRUNCATED DOMES @ PAVING
1 1/2" = 1'-0"

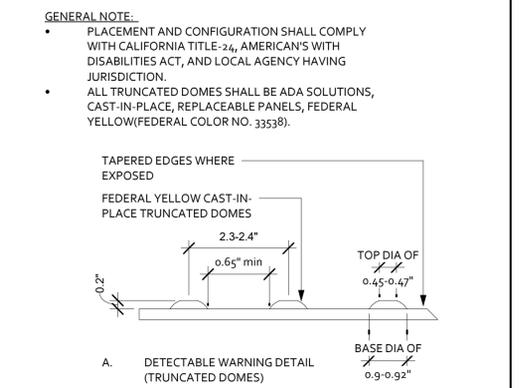


5 FLATWORK - SECTION @ LANDSCAPE GROUP
1 1/2" = 1'-0"

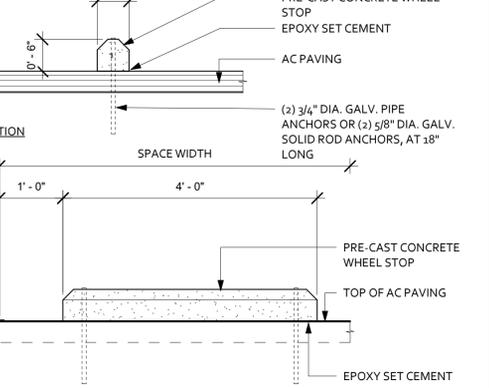
- 1 FLATWORK - GENERAL NOTES
1" = 1'-0"
- REFER TO DETAILS FOR STRUCTURAL SECTIONS, GRADES, ELEVATIONS, ENGINEERING, ECT.
 - REFER TO DETAILS FOR CURB TYPES, SECTIONS, AND REINFORCING.
 - CONCRETE PEDESTRIAN FLATWORK: REFER TO FLOOR PLAN, AND/OR SPECIFICATIONS FOR CONCRETE FLATWORK FINISHES. SIDEWALKS, WALKWAYS ALONG ACCESSIBLE ROUTES OF TRAVEL, BETWEEN DISABLED PARKING SPACES AND BUILDING ENTRANCES SHALL:
 - BE CONTINUOUSLY ACCESSIBLE
 - HAVE VERTICAL CHANGES IN ELEVATION NOT TO EXCEED 1/4" MAX.
 - BE MIN. 48" IN WIDTH.
 - HAVE RAMPS COMPLYING WITH CBC SECTION 3307 WHERE NECESSARY TO CHANGE ELEVATIONS AT SLOPES EXCEEDING 5%.
 - EQUIPMENT PADS SHALL HAVE REINFORCING AS SPECIFIED PER MANUF'S DOCUMENTS. THEY SHALL CONFORM TO UTILITY DEPARTMENT STANDARDS. VERIFY LOCATION AND OVERALL DIMENSIONS.
 - INSTALL EXPANSION JOINT (EJ) FOR DRIVEWAY AND FLATWORK:
 - WHERE INDICATED ON SITE PLAN
 - AT DRIVEWAY TRANSITIONS
 - BETWEEN FLATWORK
 - AT 20'-0" O.C. MAX. SPACING
 - INSTALL CONTROL JOINTS (CJ) FOR CURBS AND FLATWORK:
 - ALL INDICATIONS SHOWN ON SITE PLAN TO BE CONTROL JOINTS UNLESS NOTED AS AN EXPANSION JOINT (EJ)
 - AT 10'-0" MAX SPACING
 - CONCRETE CURBS SHALL HAVE SMOOTH FINISH, TYPICAL
 - EXPOSED EDGES OF CONCRETE CURBS SHALL HAVE A RADIUS EDGE. FOR MIX DESIGN REFER TO SPECIFICATIONS.



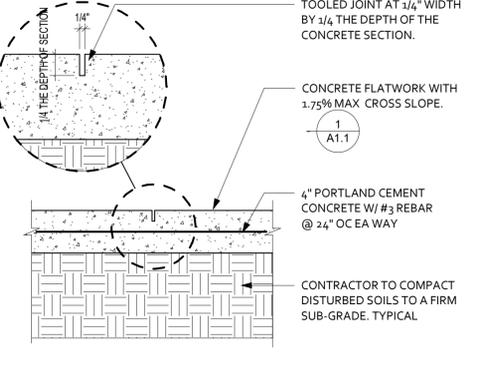
13 CURB RAMP SECTION
1/4" = 1'-0"



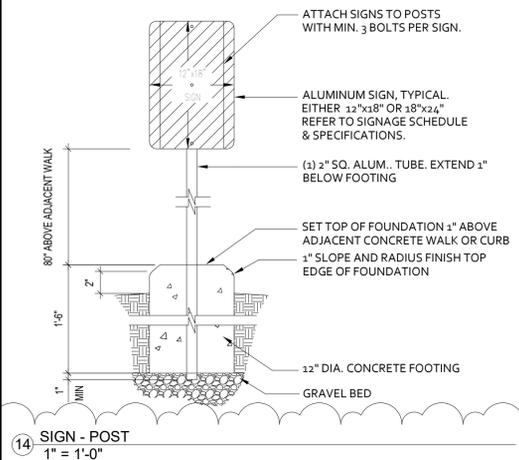
10 DETECTABLE WARNINGS
6" = 1'-0"



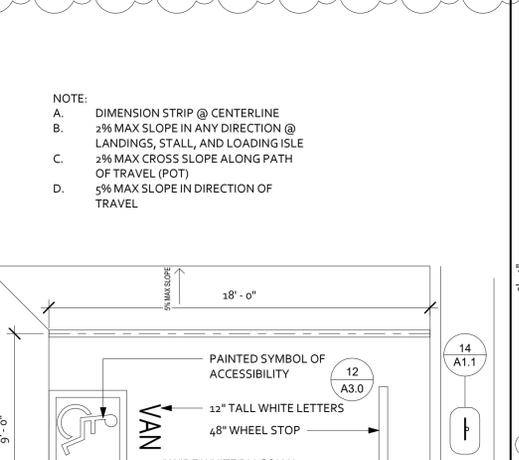
6 WHEELSTOP - AC PAVING
3/4" = 1'-0"



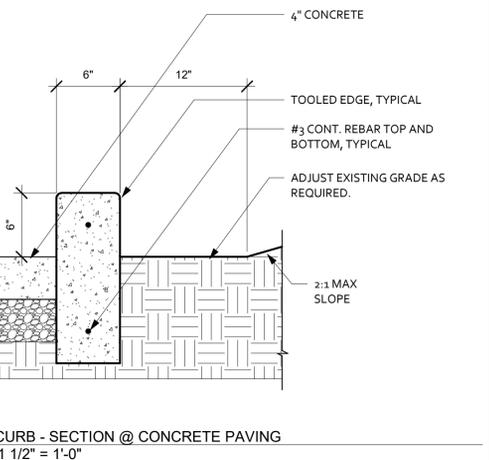
2 FLATWORK - CONTROL JOINT
1 1/2" = 1'-0"



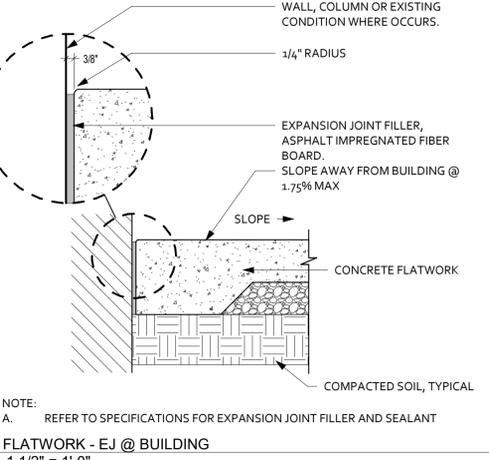
14 SIGN - POST
1" = 1'-0"



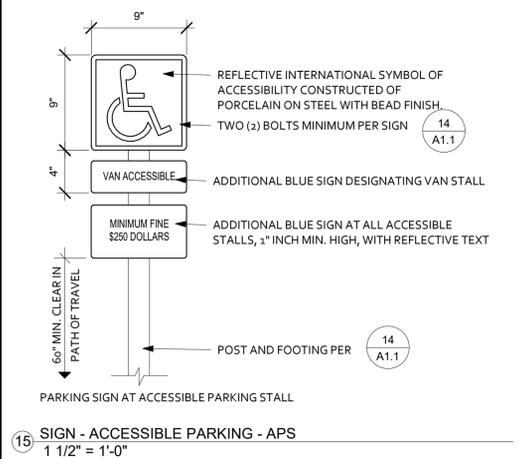
11 ACCESSIBLE VAN STALL PLAN
1/4" = 1'-0"



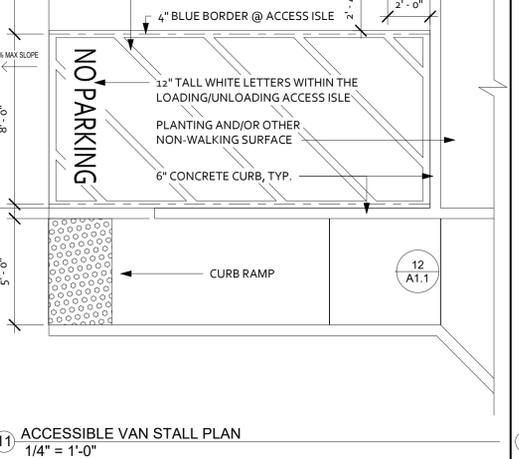
7 CURB - SECTION @ CONCRETE PAVING
1 1/2" = 1'-0"



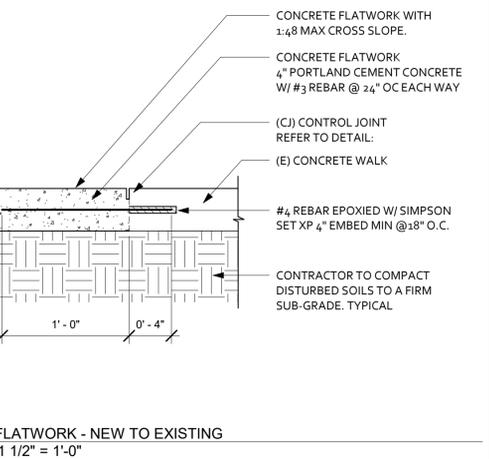
3 FLATWORK - EJ @ BUILDING
1 1/2" = 1'-0"



15 SIGN - ACCESSIBLE PARKING - APS
1 1/2" = 1'-0"



8 FLATWORK - NEW TO EXISTING
1 1/2" = 1'-0"



4 FLATWORK - EXPANSION JOINT
1 1/2" = 1'-0"



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No.	Description	Date
1	Plan Check Comments	5/9/22

Proj. No.: 2021020

Date: 02.17.2022

Scale: As indicated

Drawn By: CF

Drawing Title:
SITE DETAILS

Drawing Number:

A1.1

JOB SET



No.	Description	Date
2	Plan Check Comments	6/17/22

LEGEND

- (E) WALL LOCATION
- (N) WALL LOCATION
- ALIGN
- 101 DOOR TYPE: REFER TO SCHEDULE ON 1 / A3.1
- EQ1 EQUIPMENT FIXTURE: REFER TO SCHEDULE ON A5.0
- A TOILET ROOM ACCESSORY: REFER TO SCHEDULE ON 1 / A3.0
- FA FIRE ALARM PULL

GENERAL NOTES

- A. INSTALLATION OF FRAMING SHALL BE WIDTHS HEREIN LISTED IN WALL TYPES UNLESS SPECIFIED DIFFERENTLY BY STRUCTURAL DOCUMENTS. CONTRACTOR SHALL NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO INSTALLATION.
- B. REFER TO PLANS, SECTIONS AND DETAILS FOR STUD SIZE CHANGES FROM HEREIN SCHEDULED.
- C. FOR INTERIOR FINISH SCHEDULE AND LEGEND FOR FLOOR, WALL AND CEILING FINISHES REFER TO: 1 / A2.2
- D. FOR GLAZING, FRAME AND WINDOW SCHEDULE REFER TO: 1 / A3.1
- E. FOR DOOR TYPES, HARDWARE AND SCHEDULE REFER TO: 1 / A3.1
- F. FOR TOILET ROOM ACCESSORIES FIXTURE TYPE AND MOUNTING HEIGHT REQUIREMENTS REFER TO: 1 / A3.0
- G. REFER TO SHEET SPECIFICATION FOR ADDITIONAL KEYNOTE SECTION INFORMATION.
- H. GC SHALL PROVIDE ALL EQUIPMENT PER COUNTY STANDARDS
- I. FOR LOW VOLTAGE INFORMATION SEE PLAN ON A5.3
- J. RAISE ALL EXISTING OUTLETS AS REQUIRED, SEE ELECTRICAL FOR MORE INFORMATION
- K. AN ATTENDANT IS AVAILABLE TO ASSIST PERSONS WITH DISABILITIES PER CBC-11B-225.2.3 EXCEPTION 1.

DIMENSION NOTES

- A. EXTERIOR DIMENSIONS ARE MEASURED TO FACE OF STRUCTURAL SHEATHING / SLAB EDGE OR CENTERLINE OF STRUCTURE U.N.O.
- B. INTERIOR DIMENSIONS ARE MEASURED TO FACE OF STUD, U.N.O.
- C. DOORS AND WINDOWS ARE MEASURED TO CENTERLINE OF OPENINGS.
- D. ALL ANGLED WALLS ARE AT 45 DEGREES UNLESS NOTED OTHERWISE. SET JAMB AT HINGE SIDE OF.
- E. EXTERIOR DOORS @ 4'-5" U.N.O.
 INTERIOR DOORS @ 4'-5" U.N.O.

WALL SCHEDULE NOTES

1. FOR ADDITIONAL INFORMATION REFER TO SPECIFICATION SECTIONS: 072100 THERMAL BARRIERS, 092216 NON-STRUCTURAL METAL FRAMING, AND 092900 GYPSUM BOARD.
2. NO SUBSTRATE ON INTERIOR SIDE OF CAVITIES, U.N.O.
3. ALIGN WALL SHEATHING W/ FOUNDATION EDGE, TYP.
4. INSTALL ACOUSTICAL BATT INSULATION.

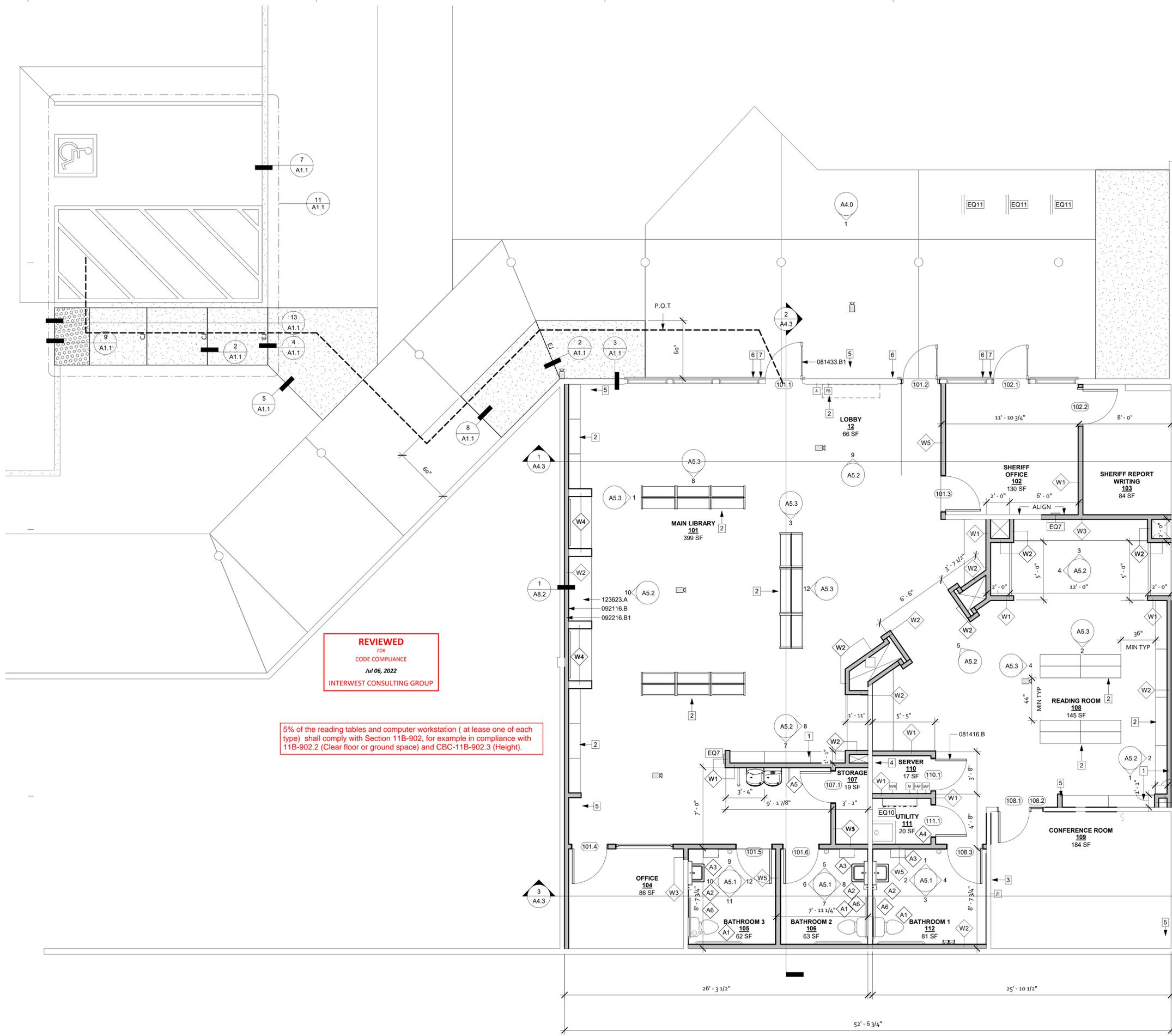
Schedule - Wall Types					
Type	Framing	Side One	Side Two	Insulation	Schedule Notes
W1	3 5/8" metal Stud 18 ga @ 24" o.c.	5/8" Type 'X' Gyp Board	5/8" Type 'X' Gyp Board		1
W2	3 5/8" metal Stud 18 ga @ 24" o.c.	5/8" Type 'X' Gyp Board	None		1, 2
W3	3 1/2" metal Stud 18 ga @ 24" o.c.	5/8" Type 'X' Gyp Board	5/8" Type 'X' Gyp Board	Acoustical	1, 3, 4
W4	6" metal Stud 18 ga	5/8" Gyp Board	5/8" Gyp Board		1
W5	3 5/8" metal Stud 18 ga @ 24" o.c.	5/8" Type 'X' Gyp Board	5/8" Type 'X' Gyp Board	Acoustical	1, 4

SHEET NOTES

1. OWNER PROVIDED FURNITURE, SEE ANCHORING DETAILS ON A5.0
2. (N) CASEWORK
3. GC TO PROVIDE BLOCKING FOR WALL-MTD TV, COORDINATE WITH NC FACILITIES PM
4. I.T. EQUIPMENT
5. GC SHALL PROVIDE 180 DEGREE SECURITY CAMERA, COORDINATE WITH NC FACILITIES PM. CAMERA SYSTEM MFG MIRASYS. INCLUDE: MIRASYS NVR SIZED FOR (5) 180 DEGREE CAMERAS AND 365 DAYS OF MOTION STORAGE. THE SYSTEM WILL NOT BE REQUIRED TO STORE NON MOTION TIME. INCLUDE A WALL MOUNTED RACK FOR THE NVR IN THE STORAGE ROOM. INCLUDE (5) MIRASYS 180 DEGREE CAMERAS THAT HAVE DAY AND NIGHT VIDEO CAPABILITY AND (2) CAT 6 WIRES TO EACH CAMERA FROM NVR.
6. ACCESS CONTROL SYSTEM SUPPLIED BY COUNTY: BIBLIOTHECA - OPEN +. INCLUDE: OPEN+ ENTRY PANEL FOR (1) DOOR, (1) LIBRARY CONTROLLER, SPEAKER SET (2) W/ AMPLIFIER. GC TO INSTALL. SECURITY ALARM. INCLUDE: MFG - (1) EA, VISTA 20P CONTROL PANEL, MFG - (1) EA, HONEYWELL 6160 KEYPAD, (2) EA, MFG - BOSCH 360 DEGREE CEILING MOUNT, (2) CAT 6 CABLES OR APPROVED EQUAL TO EACH DEVICE. HARDWARE TO MOTION SENSORS AND KEYPADS.
- 7.

KEYNOTES

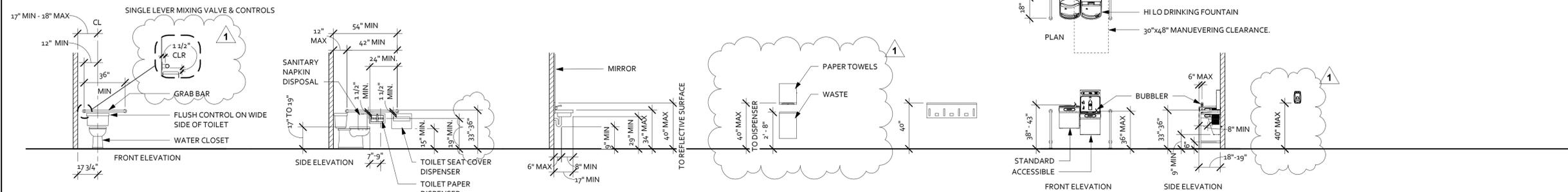
- 081416.B FLUSH WOOD DOOR: OPAQUE FINISH
- 081433.B1 FULL LITE - STILE AND RAIL SOLID CORE WOOD DOOR: INTERIOR
- 092116.B INTERIOR GYPSUM BOARD
- 092216.B1 METAL STUD
- 123623.A COUNTERTOP: PLASTIC LAMINATE FINISH



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5% of the reading tables and computer workstation (at least one of each type) shall comply with Section 11B-902, for example in compliance with 11B-902.2 (Clear floor or ground space) and CBC-11B-902.3 (Height).

1 1ST FLOOR PLAN - OVERALL
 1/4" = 1'-0"



A1 ACCESSIBLE TOILET

TOILET SEAT COVER DISPENSER:
RECESSED WALL MOUNT - BOBRICK B-3013
GRAB BAR:
BOBRICK B-5897

TISSUE DISPENSER:
RECESSED WALL MOUNT - BRADLEY 5425-00000
SANITARY NAPKIN DISPOSAL:
RECESSED WALL MOUNT - BOBRICK B-3513

A2 LAVATORY

PROTECTOR KIT:
PLUMBEREX PRO-EXTREME
UNDER LAV 4 PIECE PROTECTOR KIT
MIRROR:
BOBRICK B-293-2436
GOJO SOAP DISPENSER:
5150-06

A3 PAPER TOWELS & WASTE

AUTOMATIC PAPER TOWEL DISPENSER:
BOBRICK 3974-250
AC ADAPTOR KIT:
BOBRICK 3974-57
WASTE BIN:
BOBRICK B-277

A4 MOP SINK & SHELF RACK

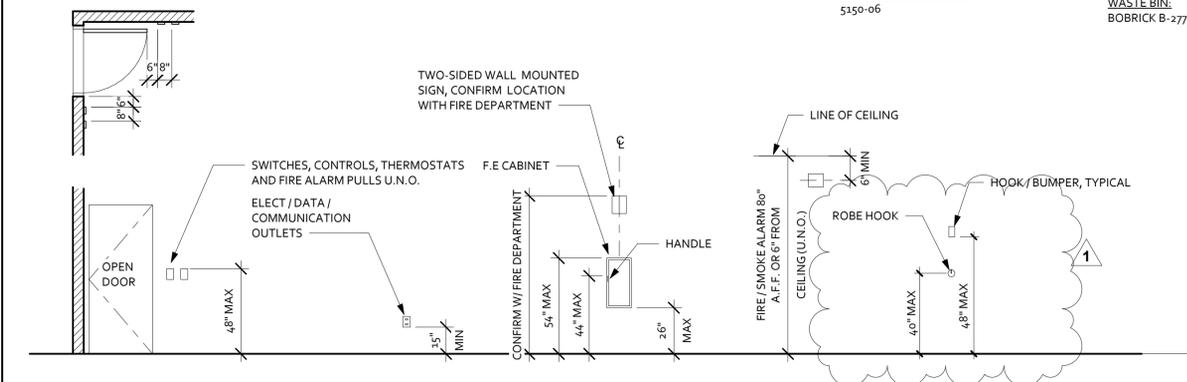
SHELF RACK:
BOBRICK B-224236
INSTALL ABOVE MOP SINK
OPPOSITE OF FAUCET

A5 ACCESSIBLE HI-LO DRINKING FOUNTAIN

HI-LO DRINKING FOUNTAIN:
ELKAY LZSTLW5LK
DRINKING FOUNTAIN GRAB BAR:
BOBRICK 819298

A6 SANITIZER DISPENSER

PURRELL NXT SANITIZER DISPENSER:
2120-06



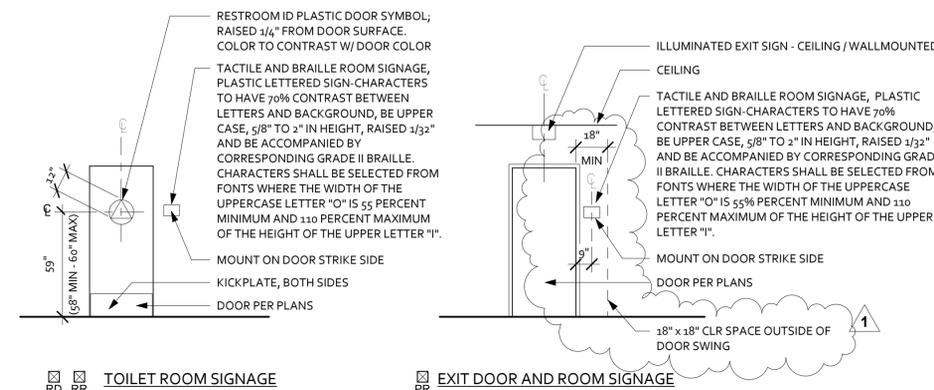
SWITCHES
OPEN DOOR LOCATION

OUTLETS
ELECT / DATA /
COMMUNICATION

FIRE EXTINGUISHER

FIRE ALARM

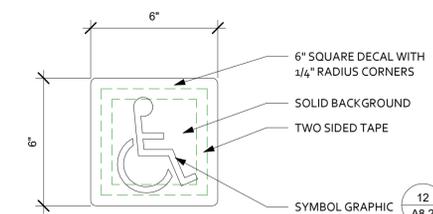
PARTITION HOOKS/BUMPERS



TOILET ROOM SIGNAGE

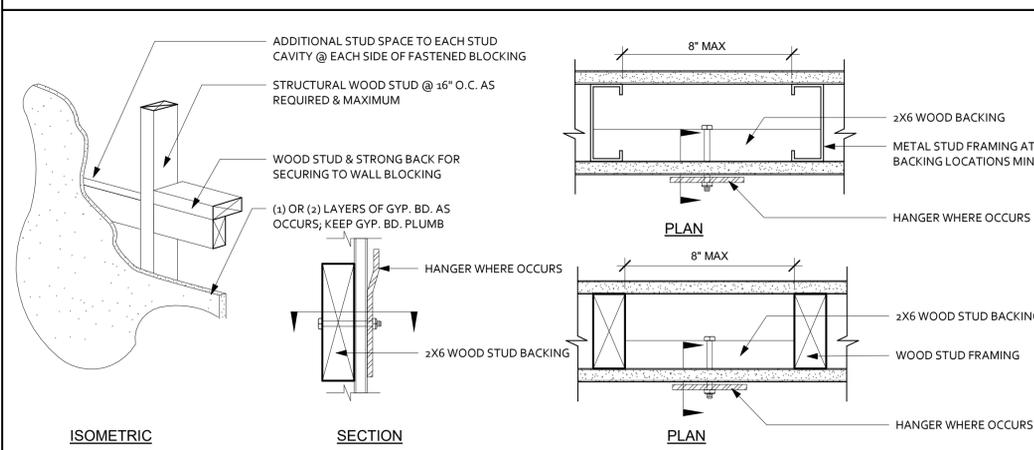
EXIT DOOR AND ROOM SIGNAGE

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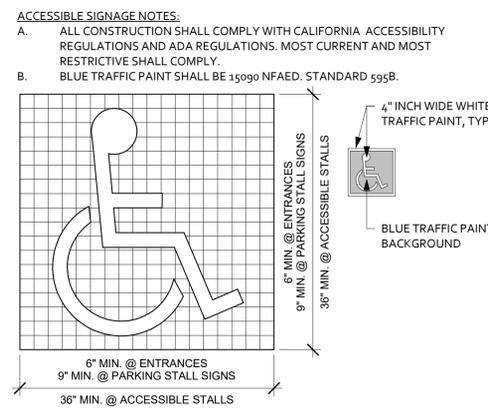


NOTE:
A. INSTALL WITH BLANK AT OPPOSITE SIDE OF GLAZING. INSTALL WITH 3M TWO SIDED TAPE TO GLAZING, TYP

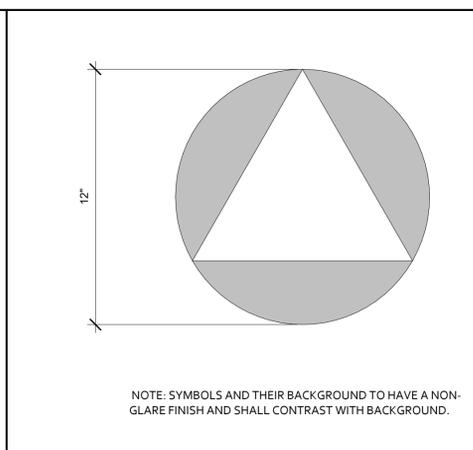
12 SIGN - ENTRANCE - ISA
3" = 1'-0"



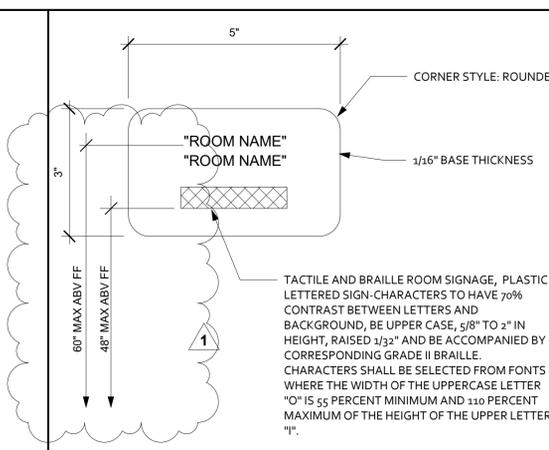
20 BACKING DETAILS
3" = 1'-0"



12 SYMBOL - ISA
1" = 1'-0"



80 MOUNTING HEIGHTS AND ACCESSORIES
3" = 1'-0"



3 PERMANENT ROOM "PR" SIGN
6" = 1'-0"

No.	Description	Date
1	Plan Check Comments	5/3/22

Proj. No.: 2021020

Date: 02.17.2022

Scale: As indicated

Drawn By: CF

Drawing Title:
MOUNTING HEIGHTS AND ACCESSORIES

Drawing Number:

A3.0

JOB SET



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No.	Description	Date
1	Plan Check Response	05-03-22

Proj. No.: 2021020

Date: 02.17.2022

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

Drawn By: CF

Drawing Title:
**EXTERIOR
ELEVATIONS**

Drawing Number:

A4.0

5/6/2022 4:34:54 PM

LEGEND

-  **WALL - TYPICAL**
EXISTING - REPAIR AS REQUIRED
-  **WALL - ACCENT**
EXISTING - REPAIR AS REQUIRED
-  **TRIM**
EXISTING - REPAIR AS REQUIRED
-  EXISTING SCONCE TO BE REMOVED

- GLAZING**
- "T" DENOTES TEMPERED GLAZING, TYPICAL
 - "L" DENOTES LAMINATED GLAZING, TYPICAL

- GLASS TYPES**
- "A" INSULATED UNIT
EXTERIOR LITE: LOW E
AIR SPACE: MANUFACTURE STANDARD
INBOARD LITE: CLEAR

- PAINT**
- SIDING, TRIM AND FASCIA**
- MANUFACTURE: MATCH EXISTING
 - PRODUCT: MATCH EXISTING

GENERAL NOTES

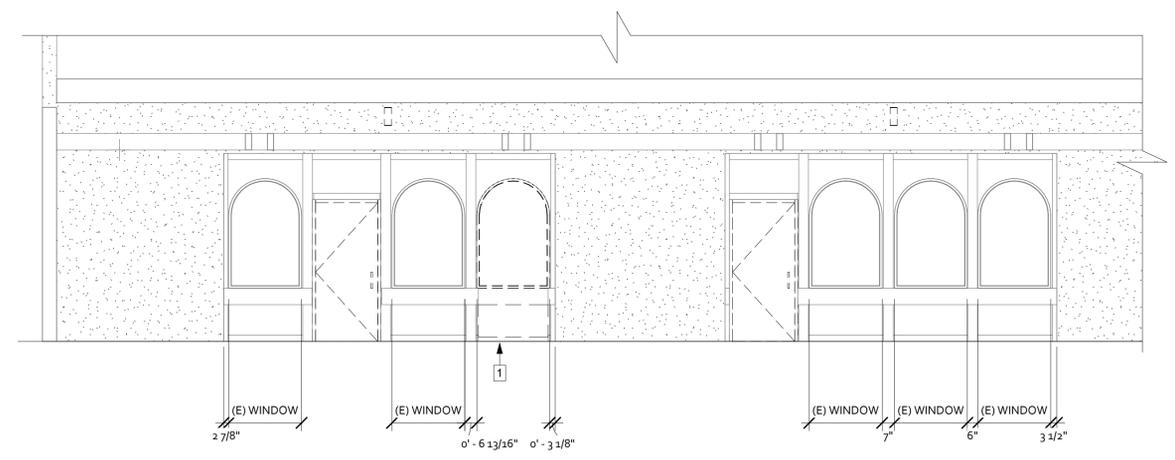
- A. REFER TO DOOR SCHEDULE ON SHEET A3.1 FOR INTERIOR AND EXTERIOR DOOR INFORMATION.
- B. FOR KEYNOTE CALLOUTS REFER TO SHEET SPECIFICATION SECTION FOR ADDITIONAL INFORMATION.

SHEET NOTES

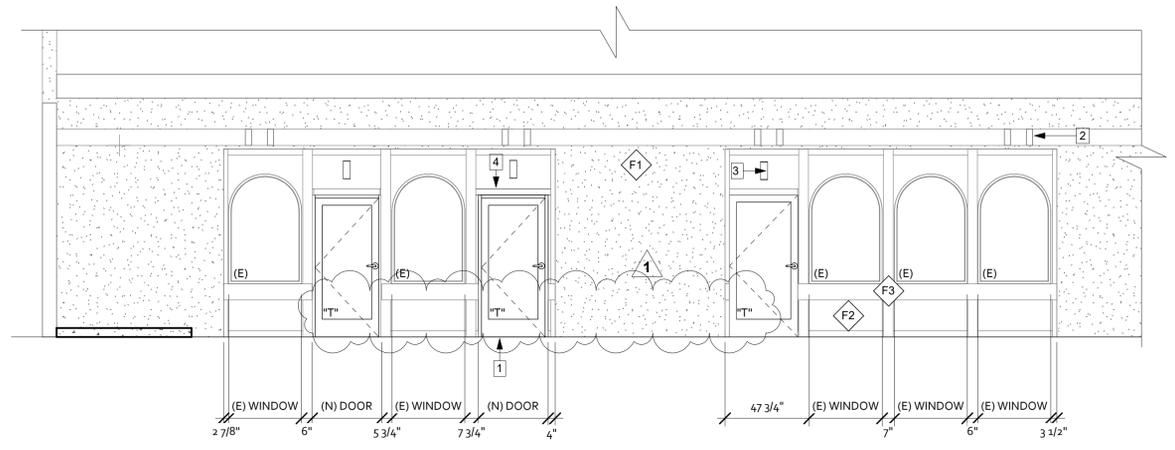
- 1. DEMO EXTERIOR WINDOW
- 2. EXISTING CANOPY BEAMS - NO CHANGES
- 3. NEW EXTERIOR LIGHTS OVER DOORS
- 4. ADDED TRIM TO MATCH ABOVE DOOR

KEYNOTES

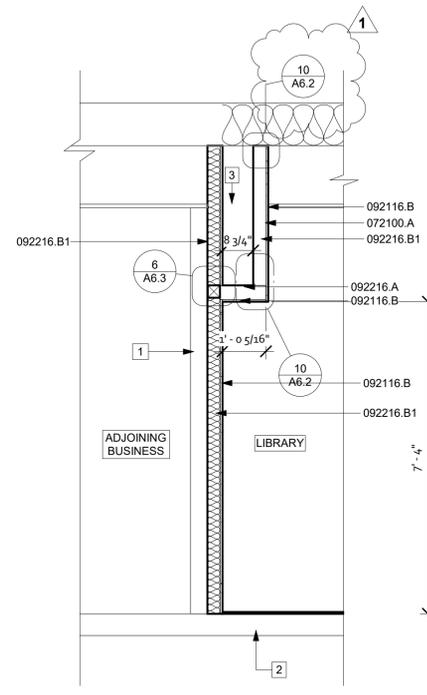
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FOR
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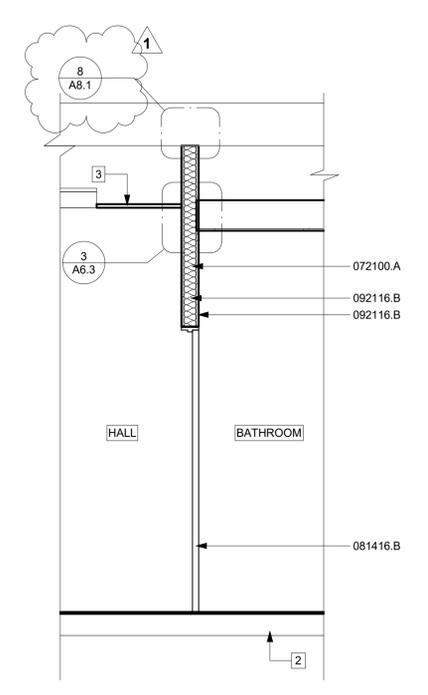
1 NORTH ELEVATION DEMO
1/4" = 1'-0"



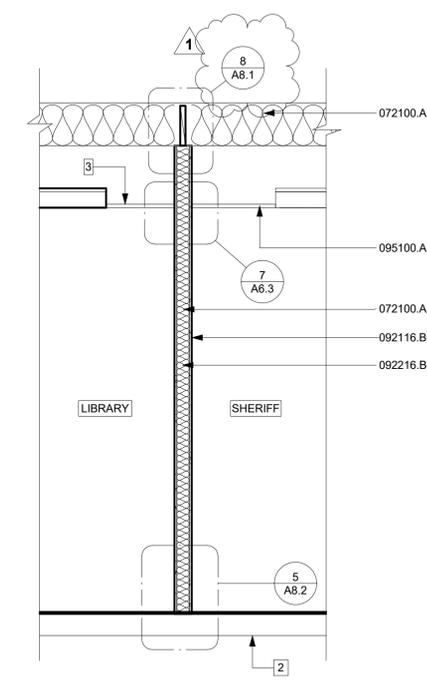
2 NORTH ELEVATION
1/4" = 1'-0"



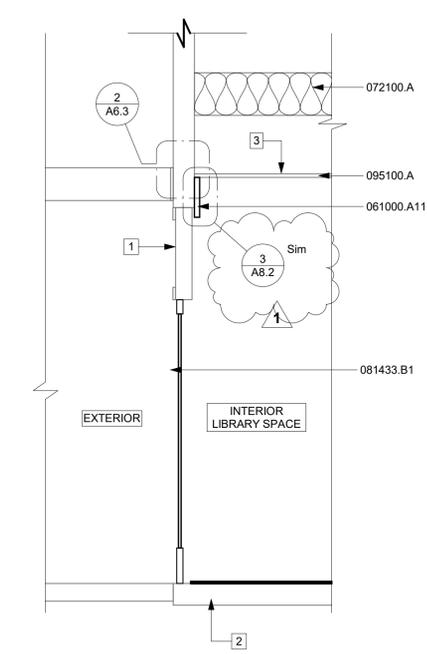
1 WALL SECTION 'A'
1/2" = 1'-0"



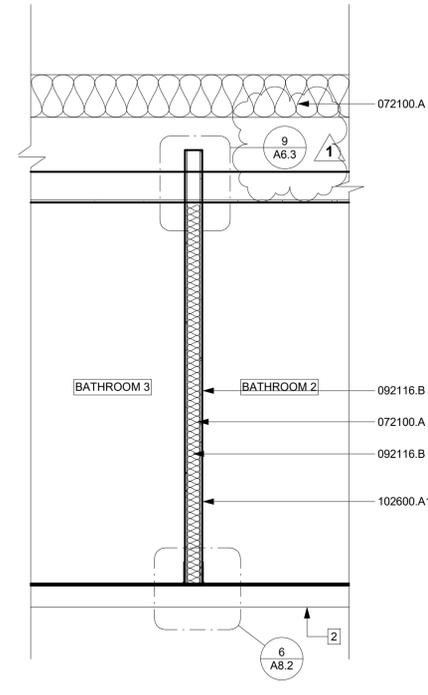
5 WALL SECTION 'B'
1/2" = 1'-0"



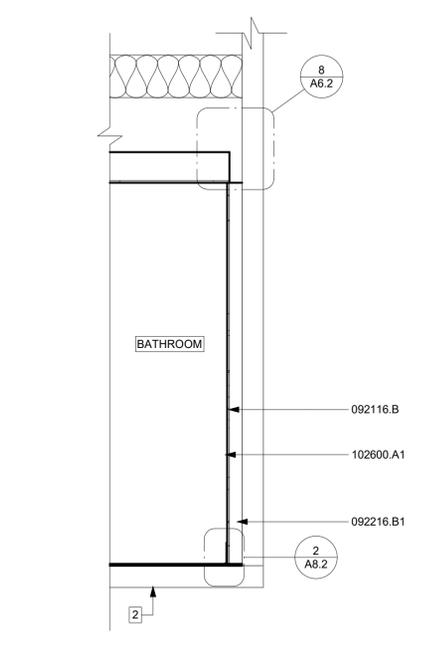
2 WALL SECTION 'C'
1/2" = 1'-0"



3 WALL SECTION 'D'
1/2" = 1'-0"



6 WALL SECTION 'E'
1/2" = 1'-0"



4 WALL SECTION 'F'
1/2" = 1'-0"

LEGEND

 BATT INSULATION
 • 3" R-12 AT WALL ASSEMBLIES, TYPICAL
 • 12" R-38 AT CEILING ASSEMBLIES, TYPICAL

GENERAL NOTES

- A. REFER TO ELECTRICAL, MECHANICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- B. INSTALL FIRE BLOCKING AT LOCATIONS INDICATED IN CBC SECTION 717.2 THROUGH 718.2.7 AS APPLIED.
- CBC SECTION 718.2:**
 "FIREBLOCKING AND DRAFTSTOPPING SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED LOCATIONS IN ACCORDANCE WITH THIS SECTION. FIREBLOCKING SHALL COMPLY WITH SECTION 718.2. DRAFTSTOPPING IN FLOOR/CEILING SPACES AND ATTIC SPACES SHALL COMPLY WITH SECTIONS 718.3 AND 718.4, RESPECTIVELY. THE PERMITTED USE OF COMBUSTIBLE MATERIALS IN CONCEALED SPACES OF BUILDINGS OF TYPE I OR II CONSTRUCTION SHALL BE LIMITED TO THE APPLICATIONS INDICATED IN SECTION 718.5."
- CBC SECTION 718.2.1:**
 "FIREBLOCKING SHALL CONSIST OF THE FOLLOWING MATERIALS:
 1. TWO-INCH (51 MM) NOMINAL LUMBER.
 2. TWO THICKNESSES OF 1-INCH (25 MM) NOMINAL LUMBER WITH BROKEN LAP JOINTS.
 3. ONE THICKNESS OF 0.719-INCH (18.3 MM) WOOD STRUCTURAL PANELS WITH JOINTS BACKED BY 0.719-INCH (18.3 MM) WOOD STRUCTURAL PANELS.
 4. ONE THICKNESS OF 0.75-INCH (19.1 MM) PARTICLEBOARD WITH JOINTS BACKED BY 0.75-INCH (19.1 MM) PARTICLEBOARD.
 5. ONE-HALF-INCH (12.7 MM) GYPSUM BOARD.
 6. ONE-FOURTH-INCH (6.4 MM) CEMENT-BASED MILLBOARD.
 7. BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE.
 8. CELLULOSE INSULATION INSTALLED AS TESTED FOR THE SPECIFIC APPLICATION."
- CBC SECTION 718.2.3:**
 "FIREBLOCKING SHALL BE PROVIDED AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED HORIZONTAL SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS OR TRUSSES, AND BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS AND SIMILAR LOCATIONS."

SHEET NOTES

- (E) WALL
- (E) SLAB
- (E) T-BAR GRID. INSTALL NEW GRID SECTION AT WALL WHERE NEW WALL IS TO UNDERSIDE OF STRUCTURE

KEYNOTES

061000.A11	WOOD DECORATIVE BEAM
072100.A	EXTRUDED-POLYSTYRENE BOARD INSULATION
081416.B	FLUSH WOOD DOOR: OPAQUE FINISH
081433.B1	FULL LITE - STILE AND RAIL SOLID CORE WOOD DOOR: INTERIOR
092116.B	INTERIOR GYPSUM BOARD
092216.A	NON-LOAD BEARING METAL FRAMING ASSEMBLY
092216.B1	METAL STUD
095100.A	ACOUSTICAL PANEL ASSEMBLY
102600.A1	WALL PROTECTION SYSTEM ASSEMBLY: ACROVYN WALL PANEL

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No.	Description	Date
1	Plan Check Response	05-05-22

Proj. No.: 2021020
 Date: 02.17.2022
 Scale: As indicated
 Drawn By: CF

Drawing Title: WALL SECTIONS

Drawing Number:

JOB SET

A4.4



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No.	Description	Date
1	Plan Check Comments	5/3/22

Proj. No.: 2021020

Date: 02.17.2022

Scale: As indicated

Drawn By: CF

Drawing Title:
INTERIOR ELEVATIONS

Drawing Number:

A5.2

6/17/2022 3:30:48 PM

LEGEND

- (11) FOR INTERIOR WINDOW TYPES REFER TO SCHEDULE ON SHEET A3.1.
- (101) FOR INTERIOR DOOR TYPES REFER TO SCHEDULE ON SHEET A3.1.
- FOR FINISHES REFER TO SCHEDULE ON SHEET A2.2.
- EQ FOR EQUIPMENT REFER TO SCHEDULE.
- CW 01 ← CASEWORK MARK - REFER TO CASEWORK SCHEDULE
- 100 ← CDC SERIES NUMBER, WOODWORK INSTITUTE MANUAL
- 30" x 24" ← CABINET SIZE (WIDTH, HEIGHT, DEPTH)
- T DENOTES TEMPERED GLAZING, TYPICAL

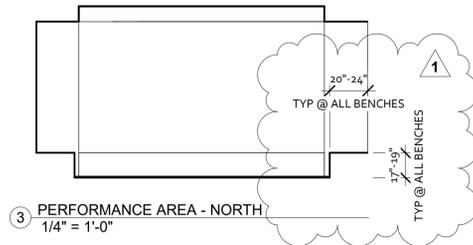
GENERAL NOTES

- A. REFER TO ARCHITECTURAL WOODWORK STANDARDS CASEWORK DESIGN SERIES (CDS) FOR ADDITIONAL INFORMATION.
- B. FIELD VERIFY ROUGH OPENING DIMENSION PRIOR TO FABRICATING CASEWORK. REVIEW ANY REQUIRED ADJUSTMENTS TO HEIGHT, DEPTH OR WIDTH OF CASEWORK UNITS WITH ARCHITECT.
- C. REFER TO CASEWORK DETAILS SHEET A8.0 FOR FURTHER INFORMATION.
- D. OPERABLE PARTS SHALL BE WITHIN A 48 INCH MAXIMUM HEIGHT REACH WHEN OBSTRUCTIONS ARE 10-INCHES OR LESS AND AT 46 INCHES MAXIMUM HEIGHT REACH WHEN OBSTRUCTIONS ARE BETWEEN 10-24 INCHES.
- E. PROVIDE LOCKS ON CABINET DOORS
- F. FOR SHELVING QUANTITY REFER TO CASEMENT SCHEDULE ON A5.0

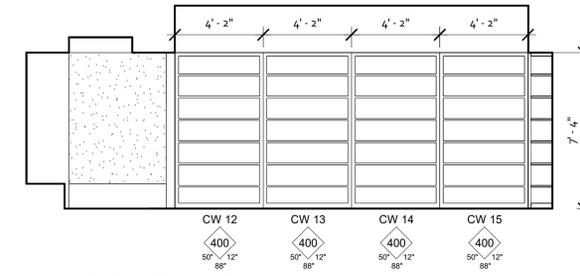
SHEET NOTES

1. SHEET NOTE

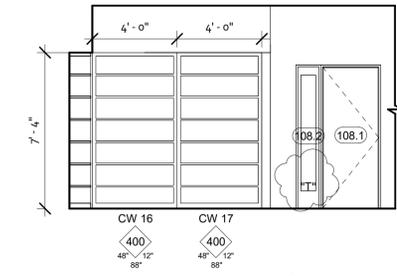
KEYNOTES



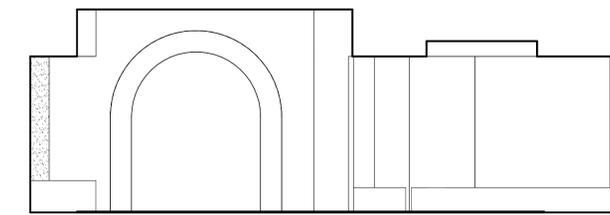
3 PERFORMANCE AREA - NORTH
1/4" = 1'-0"



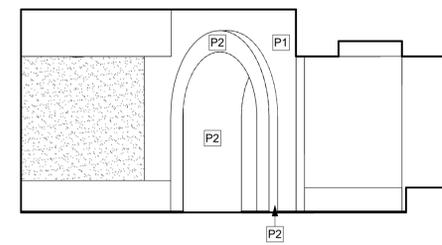
2 READING ROOM STACKS - EAST
1/4" = 1'-0"



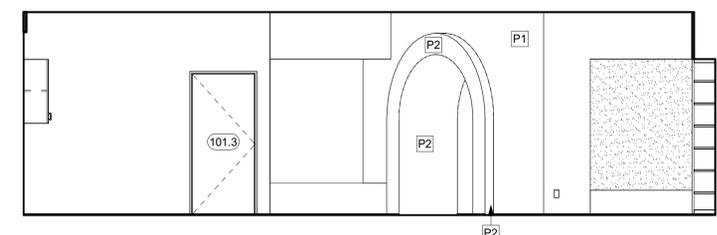
1 READING ROOM STACKS - SOUTH
1/4" = 1'-0"



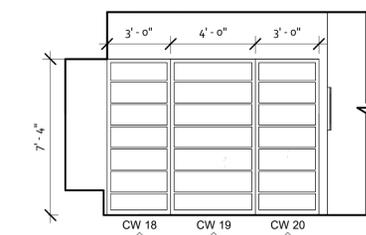
5 ARCH TO CHILDRENS AREA
1/4" = 1'-0"



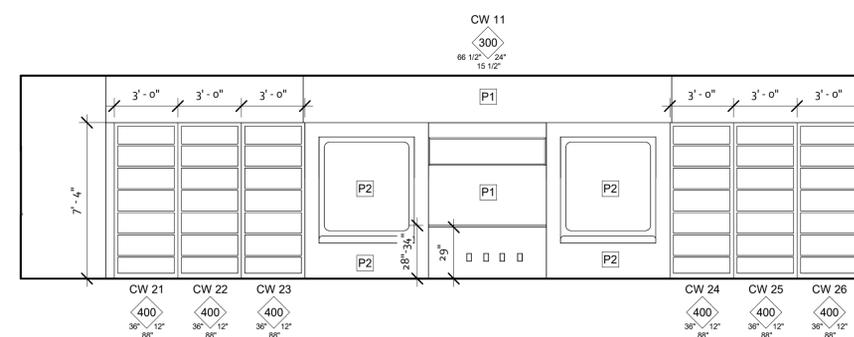
4 READING ROOM SEATING AREA - WEST
1/4" = 1'-0"



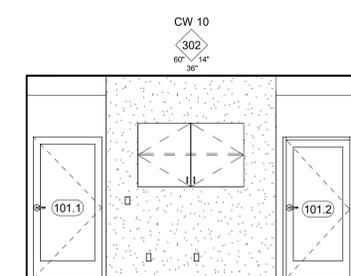
8 LOBBY ELEVATION - EAST
1/4" = 1'-0"



7 MAIN LIBRARY STACKS - SOUTH
1/4" = 1'-0"

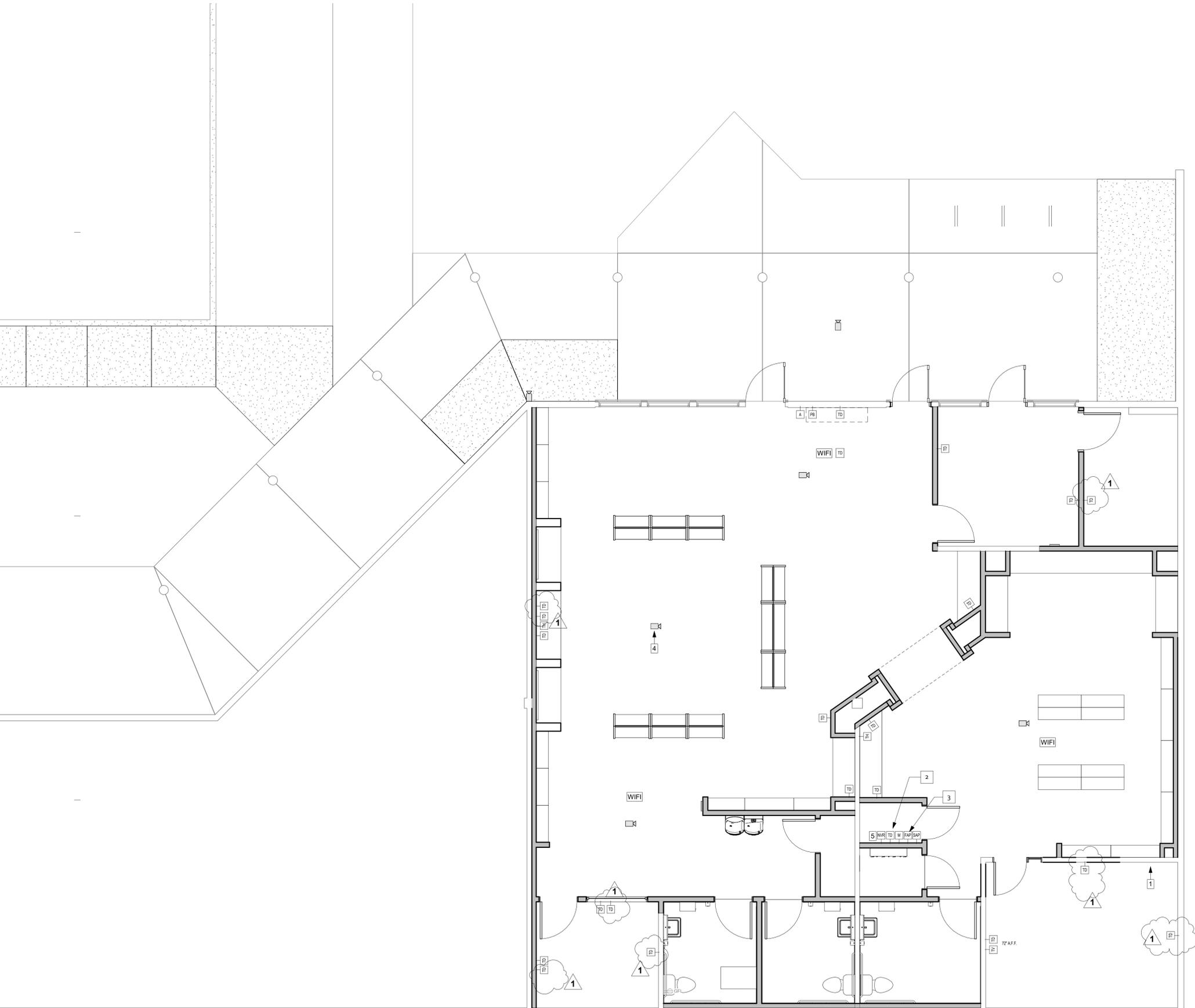


10 MAIN LIBRARY STACKS - WEST
1/4" = 1'-0"



9 FRONT DESK - NORTH
1/4" = 1'-0"

JOB SET



LEGEND

-  ALARM KEYPAD
-  2x DATA JACK
-  T.V./ CABLE JACK
-  THERMOSTAT TEMPERATURE CONTROL SYSTEM
-  CABLE SERVICE: STUB IN TEN (10) SERVICE LINES
-  NETWORK VIDEO RECORDER LOCATION
-  MONITOR LOCATION
-  FIRE ALARM PANEL LOCATION
-  SECURITY ALARM PANEL LOCATION
-  FIRE ALARM PULL BOX
-  SECURITY CAMERA LOCATION; 12" BELOW FINISHED CEILING OR ABOVE DROP CEILING FOR 360 DEGREE CAMERAS
-  WIRELESS ACCESS POINT; 2X CAT 6 ETHERNET DROP

GENERAL NOTES

- A. CONTRACTOR SHALL PROVIDE A COMPLETE INSTALLATION INCLUDING ALL WORK REQUIRED TO PROVIDE A COMPLETE AND OPERATING SYSTEM FOR THE IMPROVEMENTS INDICATED
- B. ALL CONDUITS AND RACEWAYS SHALL BE RUN IN LOCATIONS WHERE THEY WILL NOT BE VISIBLE, UNLESS OTHERWISE NOTED
- C. CONTRACTOR TO PROVIDE COMPLETE ROUGH-IN (CONDUIT AND OUTLET BOX) SYSTEM FOR EACH LOW-VOLTAGE SYSTEM SHOWN
- D. PROVIDE CONDUIT WITH PULLS FROM ALL LOW-VOLTAGE ITEMS SHOWN ON PLANS TO HOME PANEL
- E. CONSULT WITH VENDOR ON LAYOUT. 360 DEGREE CAMERA ARE COMMON AND PROVIDE GREAT VISIBILITY. CABLING TO REFLECT NEW LOCATIONS.

SHEET NOTES

- 1. HDMI PLUG TO BE ADDED
- 2. WALL MOUNT DATA RACK FOR INTERNET CONNECTION
- 3. FIRE ALARM CONTROL PANEL - DEFERRED SUBMITTAL
- 4. GC SHALL PROVIDE 180 DEGREE SECURITY CAMERA, COORDINATE WITH NC FACILITIES PM. CAMERA SYSTEM MFG - AVIGILON.
INCLUDE: AVIGILON NVR SIZED FOR (5) 180 DEGREE CAMERAS AND 365 DAYS OF MOTION STORAGE. THE SYSTEM WILL NOT BE REQUIRED TO STORE NON MOTION TIME. INCLUDE A WALL MOUNTED RACK FOR THE NVR IN THE STORAGE ROOM. INCLUDE (5) AVIGILON 180 DEGREE CAMERAS THAT HAVE DAY AND NIGHT VIDEO CAPABILITY AND (2) CAT 6 WIRES TO EACH CAMERA FROM THE NVR.
- 5. EXTEND AT&T LINES FROM ATTIC TO THIS LOCATION ON BACKBOARD (66 BLOCK)

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No.	Description	Date
1	Plan Check Response	05-03-22

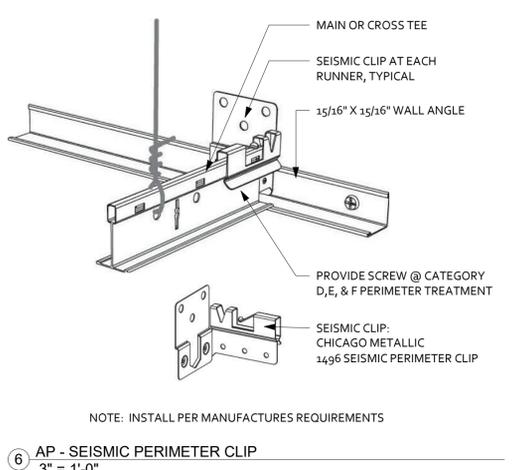
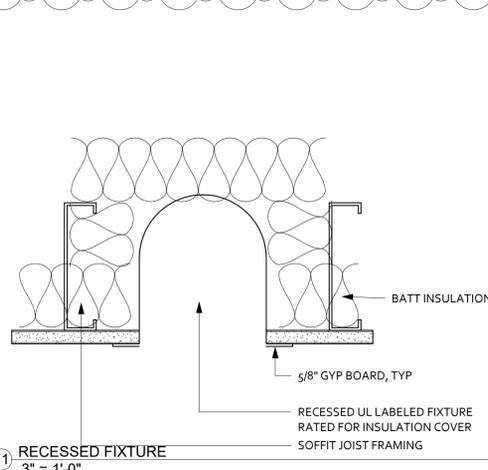
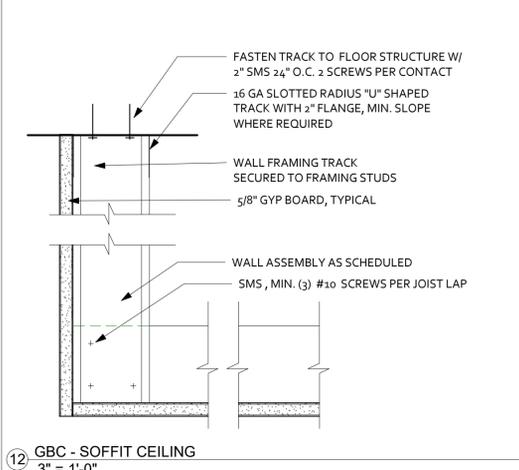
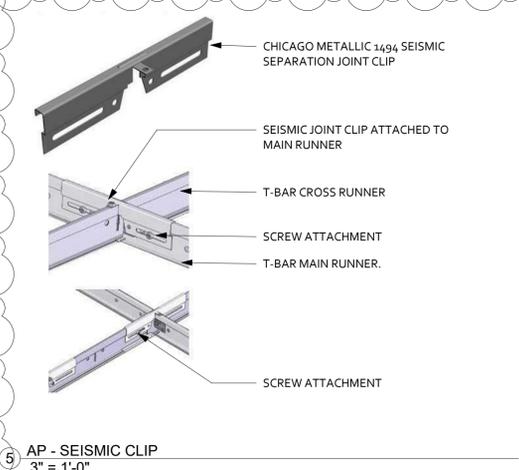
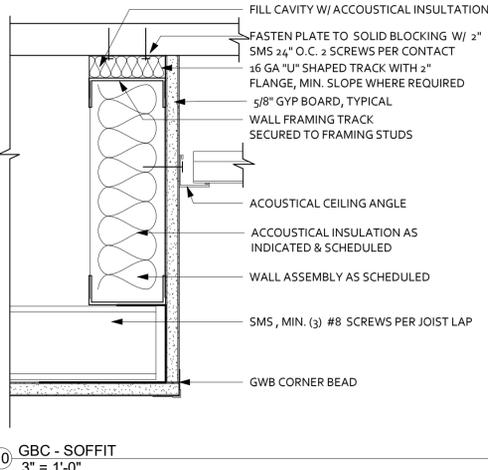
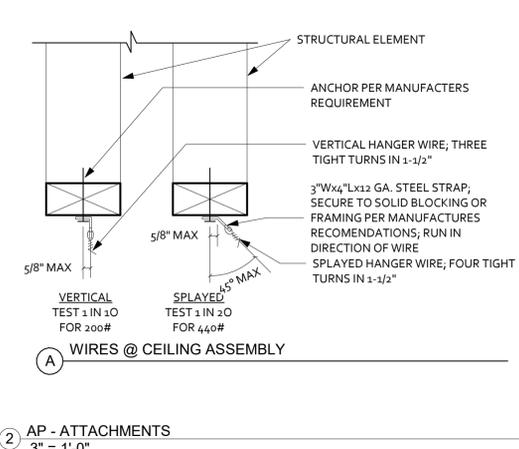
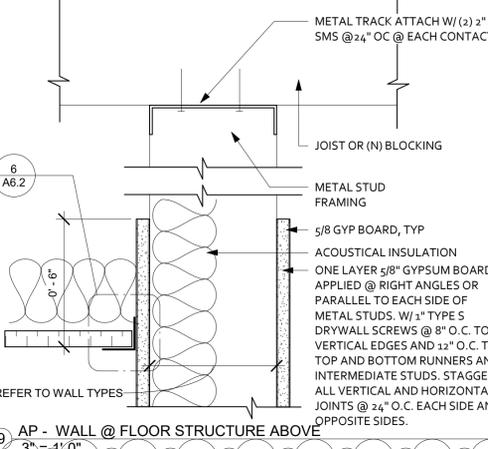
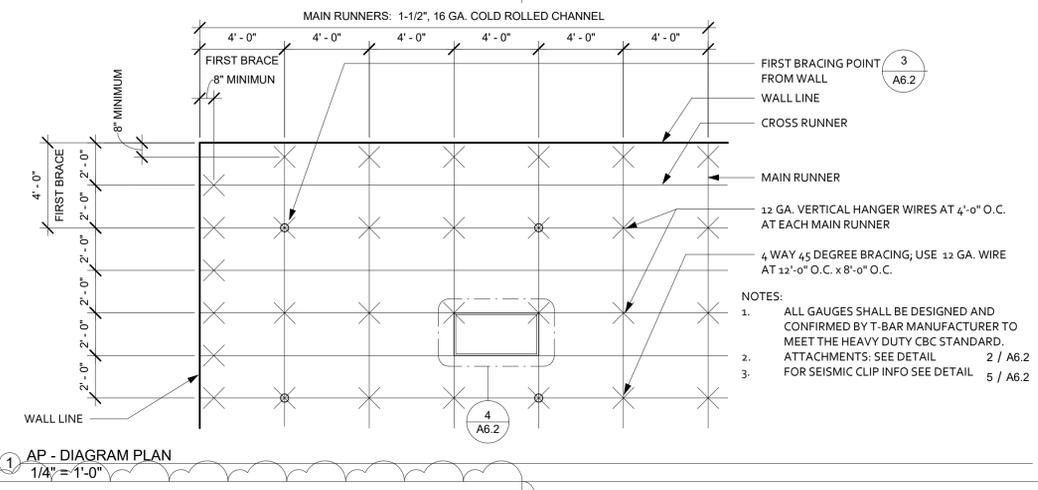
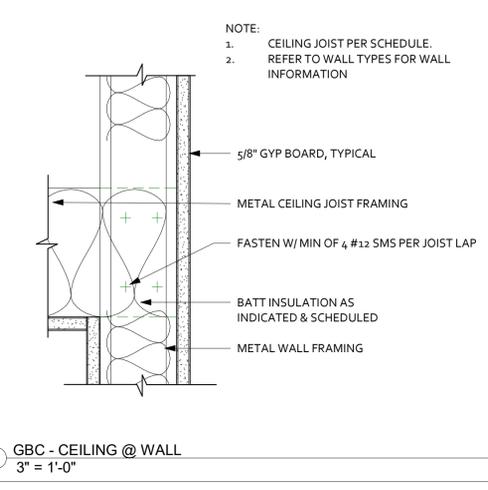
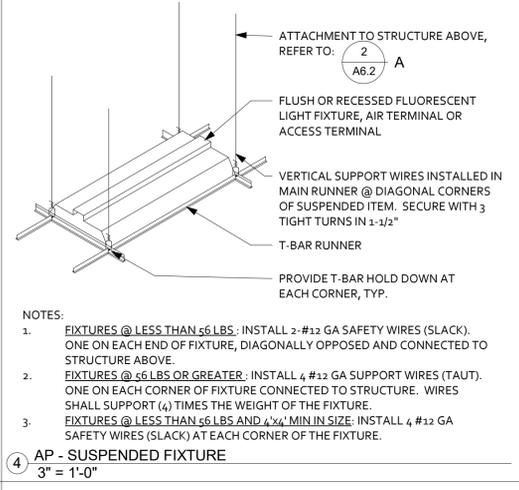
Proj. No.: 2021020
 Date: 02.17.2022
 Scale: 1/4" = 1'-0"
 Drawn By: CF

Drawing Title:
 LOW VOLTAGE PLAN

Drawing Number:

JOB SET

A5.4



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No.	Description	Date
1	Plan Check Response	05-05-22

Proj. No.: 2021020

Date: 02.17.2022

Scale: As indicated

Drawn By: CF

Drawing Title:
CEILING DETAILS

Drawing Number:

A6.2

JOB SET



No.	Description	Date
1	Plan Check Comments	5/3/22

Proj. No.: 2021020

Date: 02.17.2022

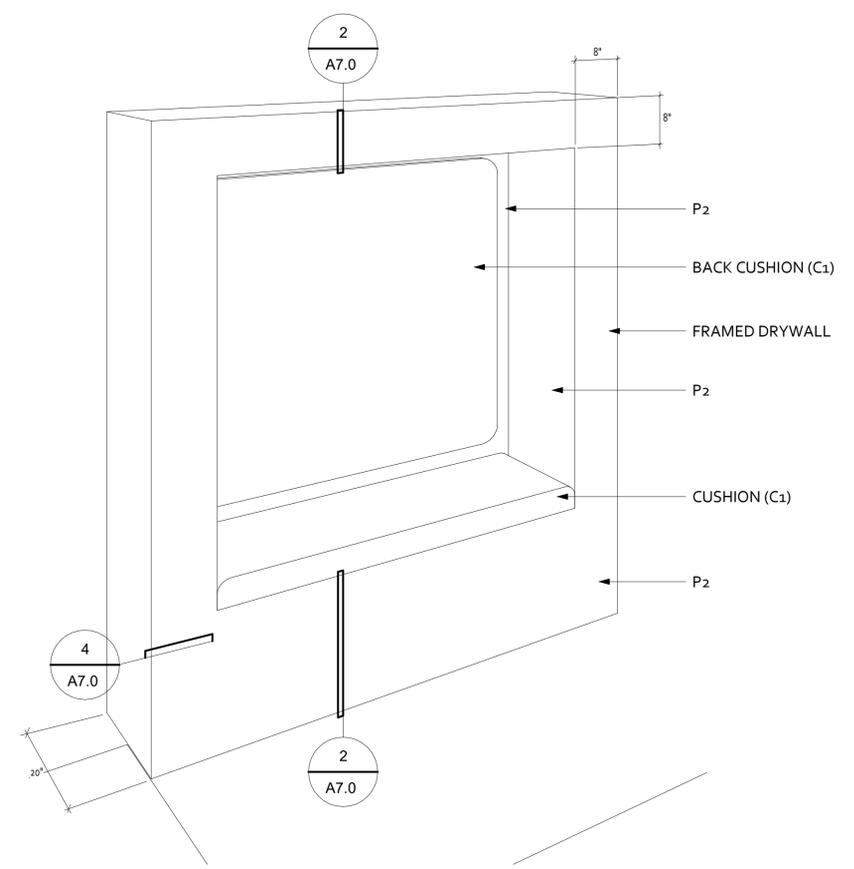
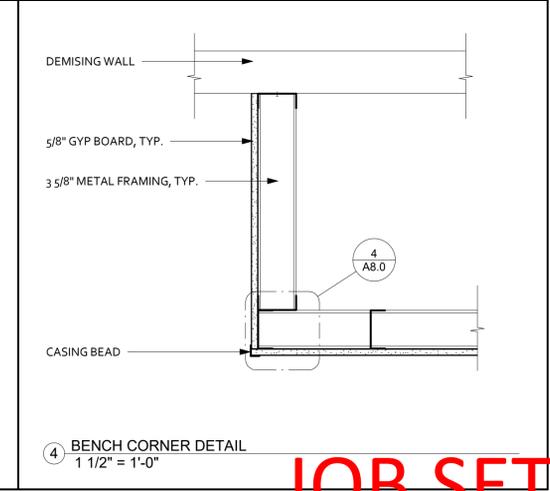
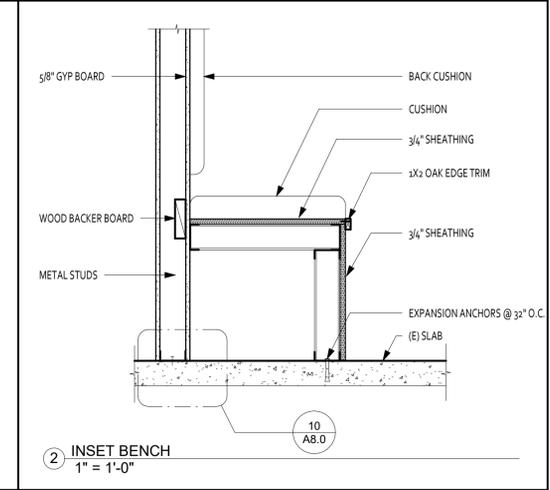
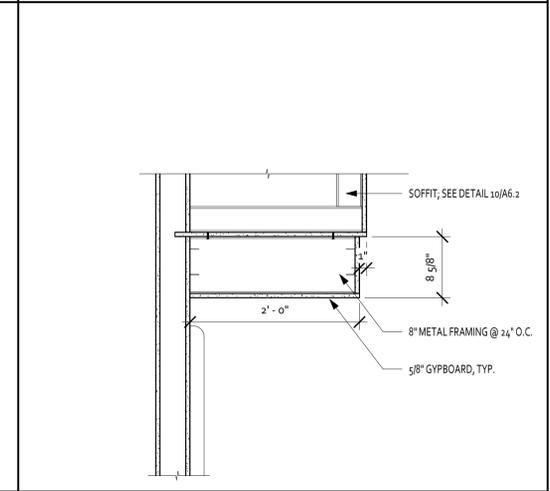
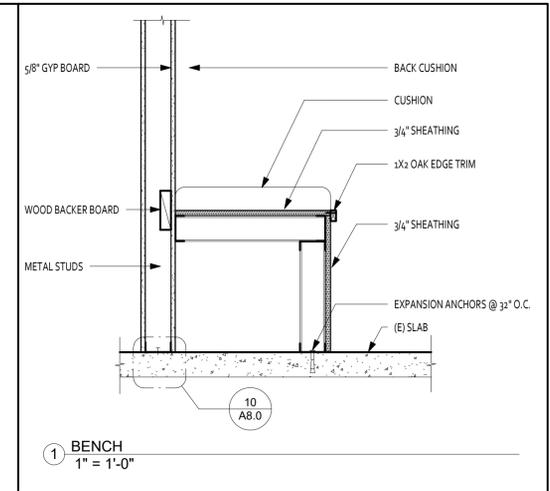
Scale: As indicated

Drawn By: Author

Drawing Title:
ARCHITECTURAL DETAILS

Drawing Number:

A7.0



UPHOLSTERY
 MAKE (9) CUSHIONS AND (10) PILLOWS, SIMPLIFIED - NO WETS. ALSO WRAP PLYWOOD WITH FOAM AND MATERIAL, BUTTERFLY CORNERS FOR SCREWS.
 (2) NOOK CUSHIONS - 54" X 24" X 4" GREENHOUSE PEAPOD
 (2) NOOK WALL CUSHIONS - 48" X 50" X 2" GREENHOUSE PEAPOD
 (10) ACCENT PILLOWS GREENHOUSE COLONIAL
 (7) BENCH CUSHIONS - 4" THICK, VARIOUS SIZES CHARLOTTE PACIFIC

3 INSET BENCH - ISOMETRIC VIEW

REVIEWED
 FOR
 CODE COMPLIANCE
 Jul 06, 2022
 INTERWEST CONSULTING GROUP

JOB SET



No.	Description	Date
1	Plan Check Response	05-05-22

INTERIOR NON-BEARING PARTITIONS SCHEDULE 19
 MAXIMUM HEIGHT FOR METAL STUDS WITH DEFLECTION LIMIT $L/240 @ 7.5 P5F$ A8.0

24" CC SPACING - REFER TO WALL TYPES FOR DEPTH			
DEPTH	GAUGE	FLANGE	HEIGHT
3 5/8"	20	1 3/8"	12'-10"
3 5/8"	18	1 3/8"	13'-11"
3 5/8"	16	1 3/8"	14'-11"
3 5/8"	14	1 3/8"	15'-11"
4"	20	1 3/8"	13'-10"
4"	18	1 3/8"	15'-0"
4"	16	1 3/8"	16'-1"
4"	14	1 3/8"	17'-2"
6"	20	1 3/8"	18'-11"
6"	18	1 3/8"	20'-9"
6"	16	1 3/8"	22'-3"
6"	14	1 3/8"	23'-10"
8"	20	1 3/8"	21'-10"
8"	18	1 3/8"	25'-11"
8"	16	1 3/8"	27'-11"
8"	14	1 3/8"	30'-2"

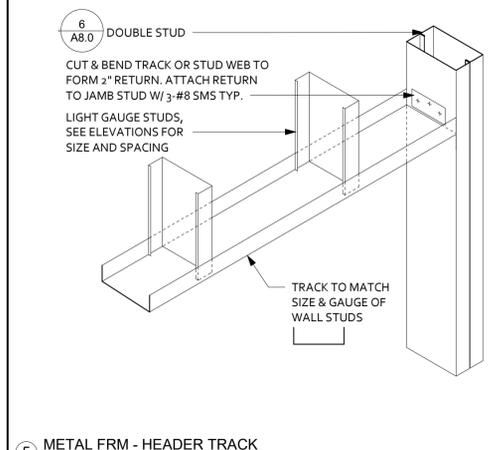
* WEB STIFFENERS REQUIRED

INTERIOR NON-BEARING WALL OPENING FRAMING SCHEDULE 19
 A8.0

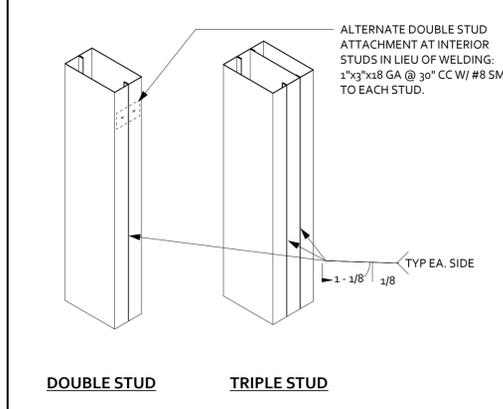
"W" WIDTH	JAMBS	HEADER	SILL
4'-0"	SINGLE STUD * 6 A8.0	TRACK 5 A8.0	TRACK 13 A8.0
8'-0"	DOUBLE STUD 6 A8.0	TRACK & STUD 12 A8.0	TRACK 13 A8.0
12'-0"	DOUBLE STUD 6 A8.0	2 TRACK & STUD 17 A8.0	TRACK & STUD 18 A8.0
16'-0"	TRIPLE STUD 6 A8.0	3 TRACK & 2 STUD 22 A8.0	2 TRACK & STUD 23 A8.0

* USE DOUBLE STUD MINIMUM AT DOOR OPENINGS

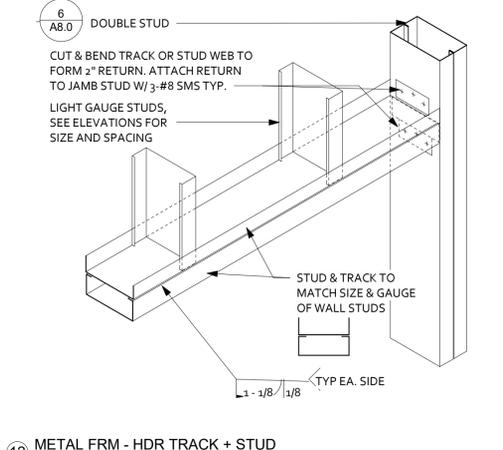
2 METAL FRM - FRAMING SCHEDULE
 1 1/2" = 1'-0"



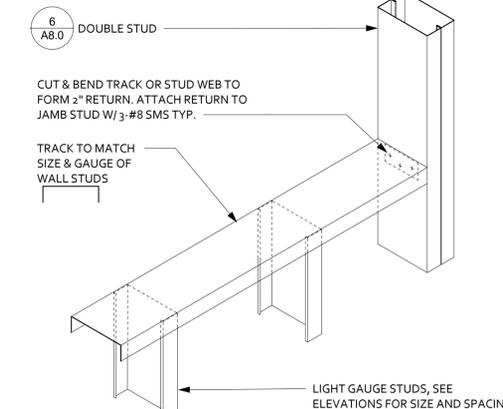
5 METAL FRM - HEADER TRACK
 1 1/2" = 1'-0"



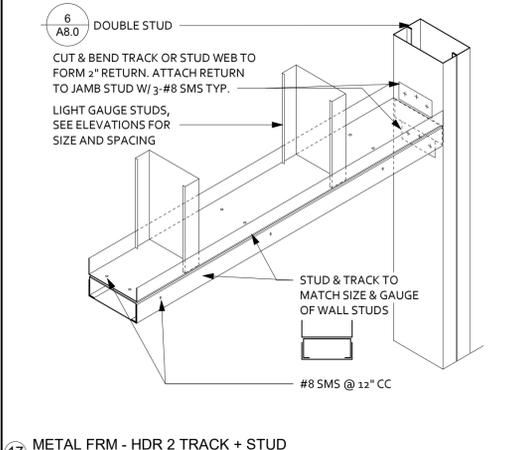
6 METAL FRM - JAMB
 1 1/2" = 1'-0"



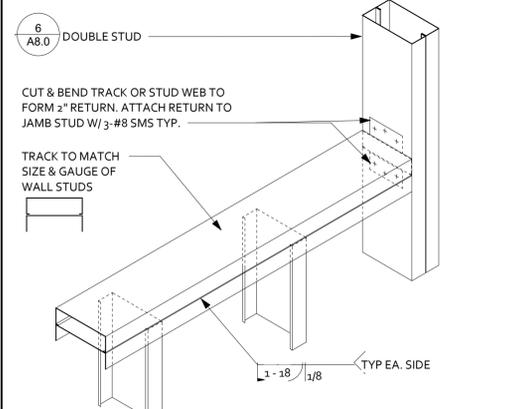
12 METAL FRM - HDR TRACK + STUD
 1 1/2" = 1'-0"



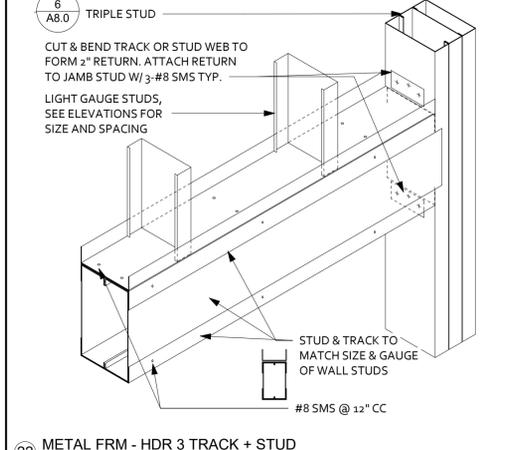
13 METAL FRM - SILL TRACK
 1 1/2" = 1'-0"



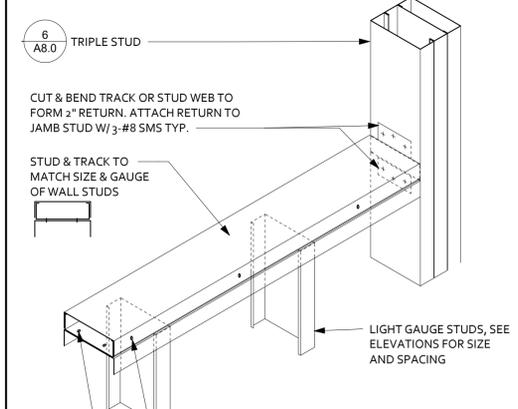
17 METAL FRM - HDR 2 TRACK + STUD
 1 1/2" = 1'-0"



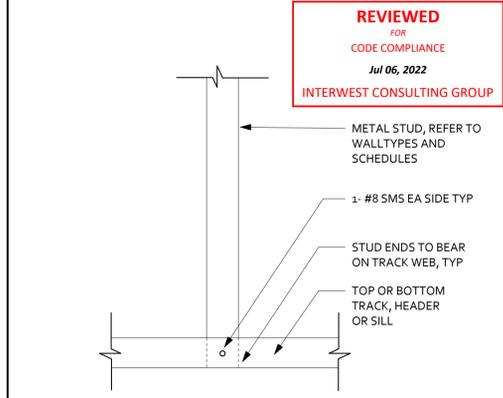
18 METAL FRM - SILL TRACK + STUD
 1 1/2" = 1'-0"



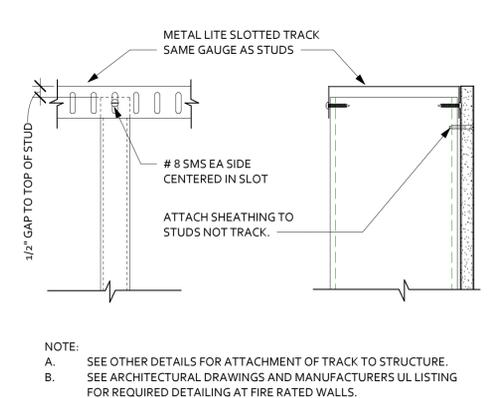
22 METAL FRM - HDR 3 TRACK + STUD
 1 1/2" = 1'-0"



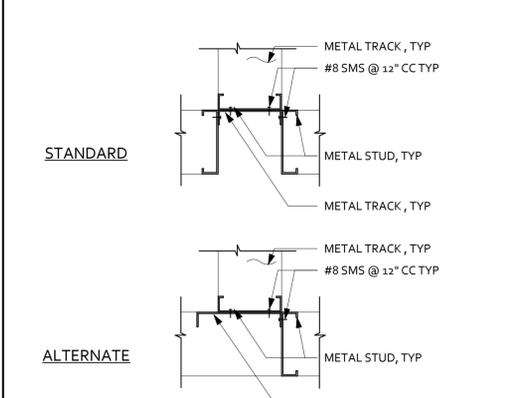
23 METAL FRM - SILL TRACK 2 + STUD
 1 1/2" = 1'-0"



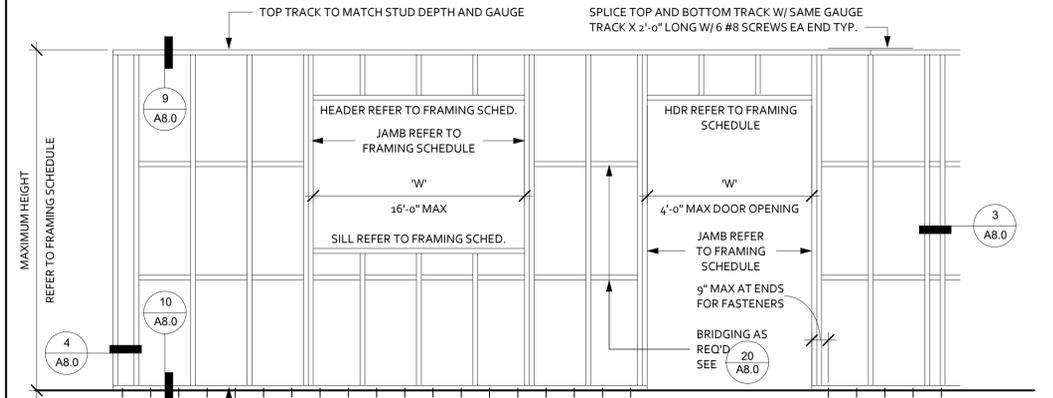
7 METAL FRM - TRACK CONNECTION
 3" = 1'-0"



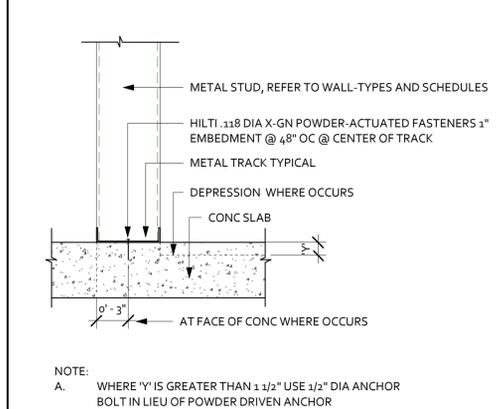
9 METAL FRM - TRACK RUNNER
 3" = 1'-0"



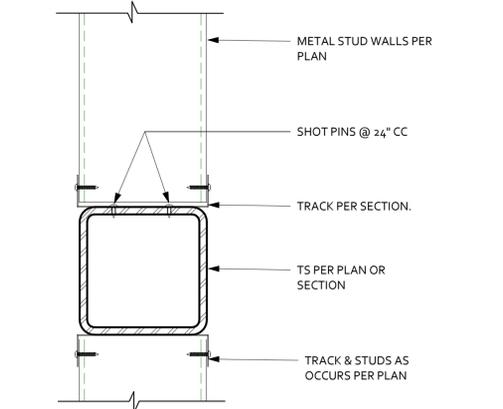
3 METAL FRM - WALL TEE
 1 1/2" = 1'-0"



19 METAL FRM - WALL ELEVATION
 1/2" = 1'-0"



15 METAL FRM - TRACK @ COLUMN
 3" = 1'-0"



20 METAL FRM - STUD BRIDGING
 1 1/2" = 1'-0"

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No.	Description	Date
1	Plan Check Response	05-05-22

Proj. No.: 2021020

Date: 02.17.2022

Scale: As indicated

Drawn By: Author

Drawing Title:

NON-BEARING WALL FRAMING DETAILS

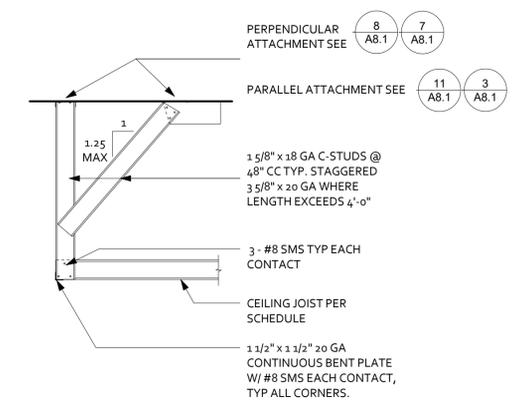
Drawing Number:

A8.1

5/6/2022 4:35:10 PM

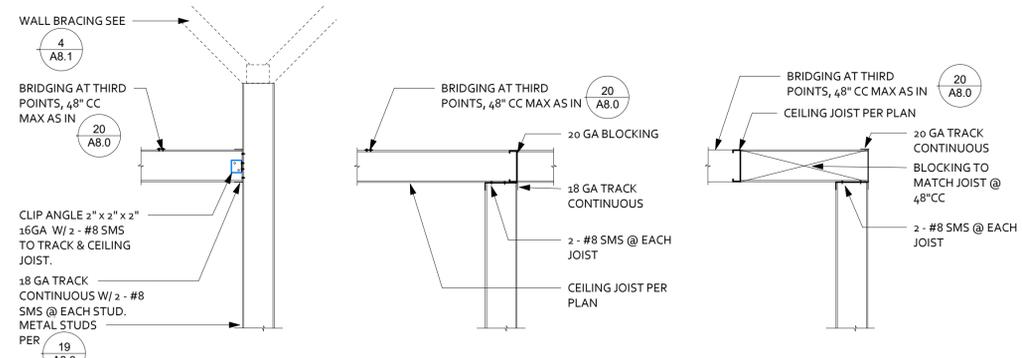
SPAN (Deflection L/240)	CEILING JOIST (Lateral Load 6 psf)
7'-1" MAX	1 5/8" x 20GA @ 24" CC
7'-11" MAX / 9'-10" MAX *	2 1/2" x 20 GA @ 16" CC
8'-8" MAX / 12'-6" MAX *	3 5/8" x 20 GA @ 24" CC
8'-11" MAX / 12'-10" MAX *	4" x 20 GA @ 24" CC
9'-10" MAX / 14'-3" MAX *	5" x 20 GA @ 24" CC
10'-1" MAX / 14'-7" MAX *	6" x 20 GA @ 24" CC

* SINGLE SPAN CEILING (BRACED AT MIDSPAN)



CEILING JOIST SCHEDULE

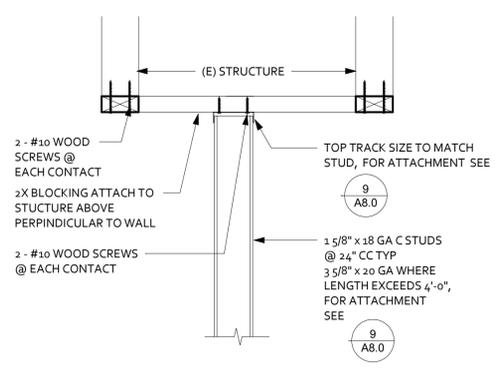
TYPICAL HANGING SOFFIT



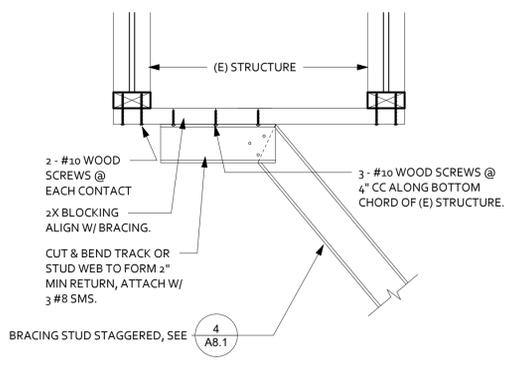
TYPICAL LEDGER CONDITION TYPICAL CONDITION AT BEARING WALL TYPICAL CONDITION AT PARALLEL WALL

6 METAL FRM - CEILING FRAMED 3/4" = 1'-0"

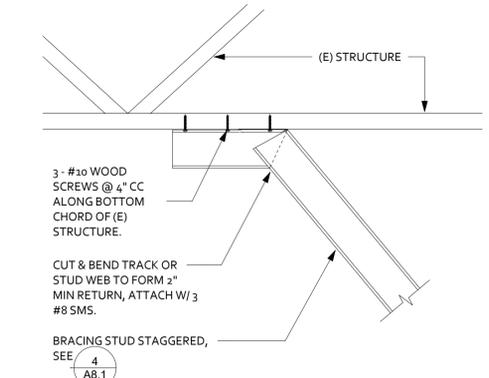
REVIEWED FOR CODE COMPLIANCE Jul 06, 2022 INTERWEST CONSULTING GROUP



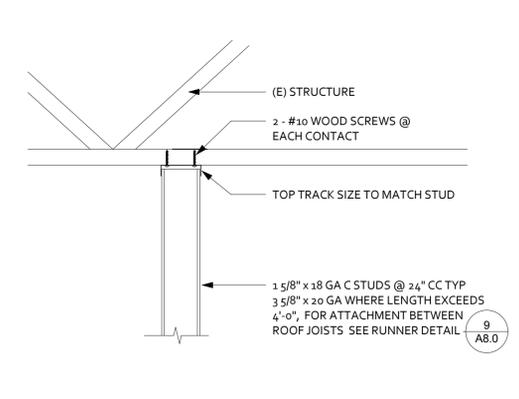
11 METAL FRM - TOP TRACK PARALLEL 1 1/2" = 1'-0"



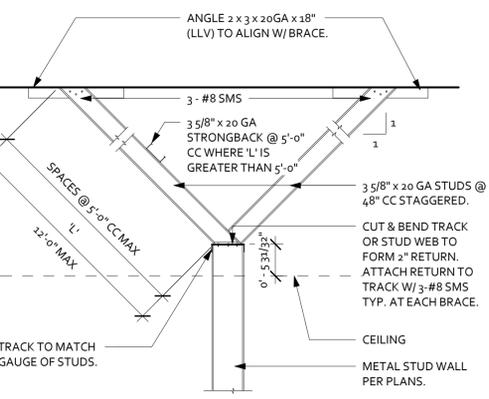
7 METAL FRM - BRACING PERP. 1 1/2" = 1'-0"



3 METAL FRM - BRACING PARALLEL 1 1/2" = 1'-0"



8 METAL FRM - TOP TRACK PERP. 1 1/2" = 1'-0"



4 METAL FRM - WALL BRACING 3/4" = 1'-0"

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No.	Description	Date
1	Plan Check Response	05-03-22

Proj. No.: 2021020

Date: 02.17.2022

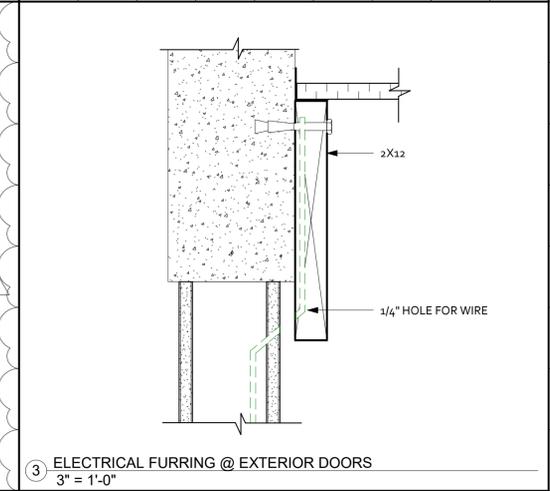
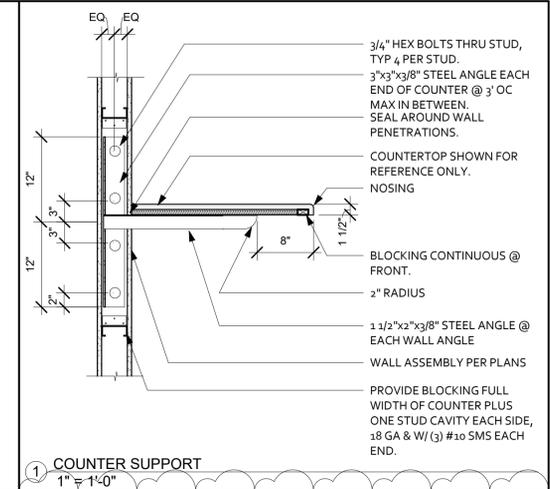
Scale: As indicated

Drawn By: CF

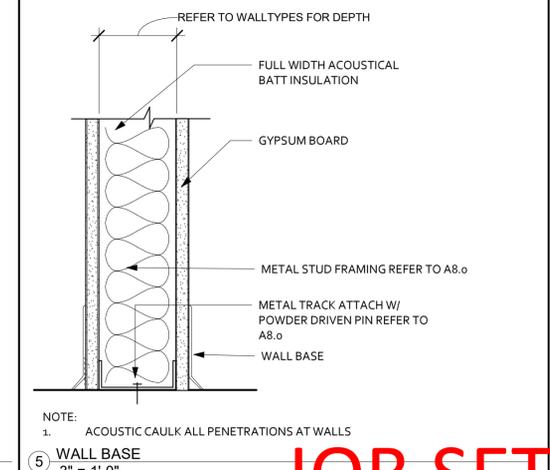
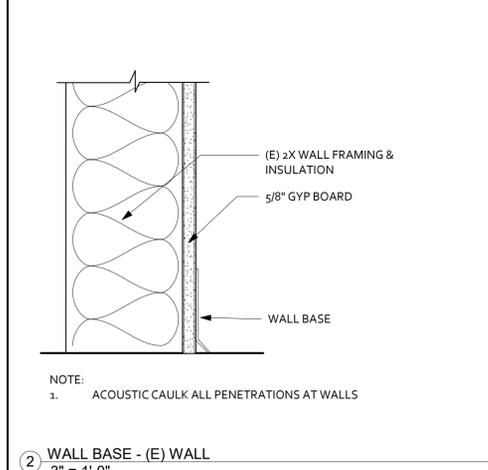
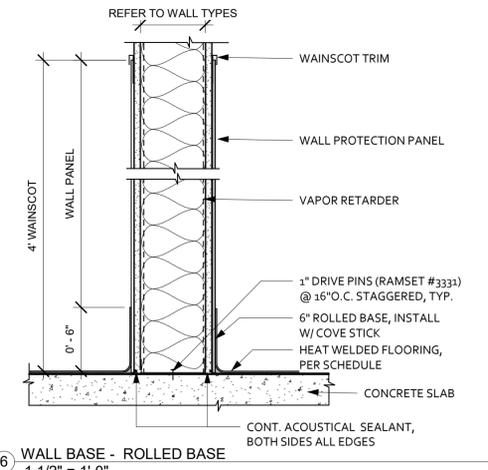
Drawing Title:
**INTERIOR AND
MISC. DETAILS**

Drawing Number:

A8.2



REVIEWED
FOR
CODE COMPLIANCE
Jul 06, 2022
INTERWEST CONSULTING GROUP



JOB SET

HVAC LEGEND

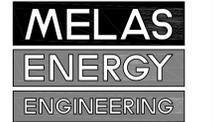
	12"x6" SA 40 CFM	SUPPLY DIFFUSER, SIZE AND FLOW RATE LISTED. ARROWS INDICATE THROW PATTERN.		EQUIPMENT TAG
	24"x10" RA 40 CFM	RETURN GRILLE, SIZE AND FLOW RATE LISTED.		AC
	EA 40 CFM	CEILING EXHAUST GRILLE, SIZE AND FLOW RATE LISTED.		FURNACE
		RECTANGULAR SUPPLY AIR CROSS SECTION		CONDENSING UNIT
		RECTANGULAR RETURN AIR CROSS SECTION		HEAT PUMP
		RECTANGULAR EXHAUST AIR CROSS SECTION		FAN COIL UNIT
		THERMOSTAT		CUBIC FEET PER MINUTE
		BALANCING DAMPER		EXHAUST FAN
		RIGID DUCT		SUPPLY AIR
		FLEXIBLE DUCT		RETURN AIR
				EXHAUST AIR
				OUTSIDE AIR
				CONDENSATE PIPING
				CONDENSATE CLEAN OUT

HVAC NOTES

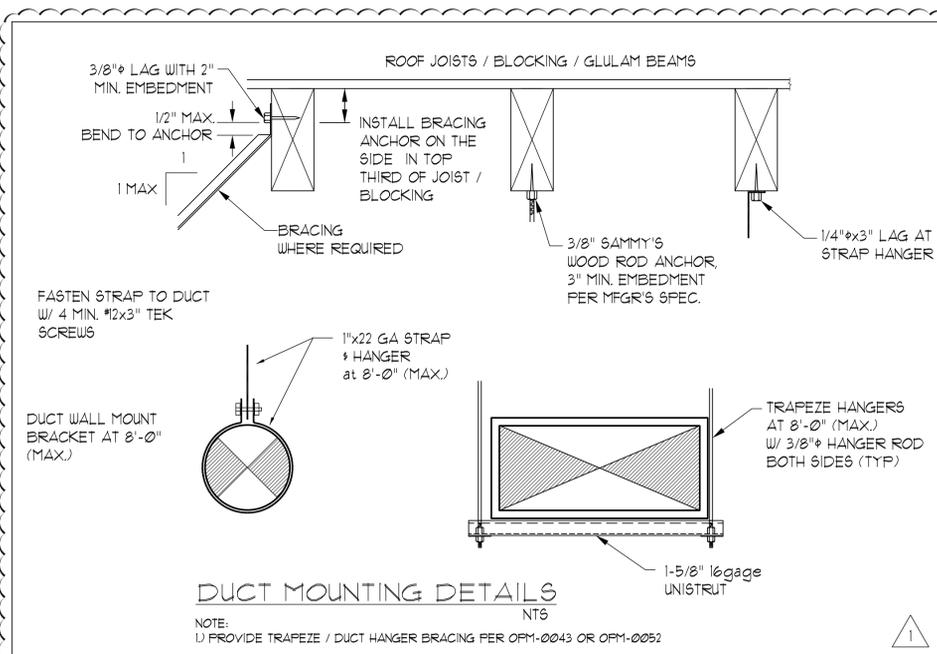
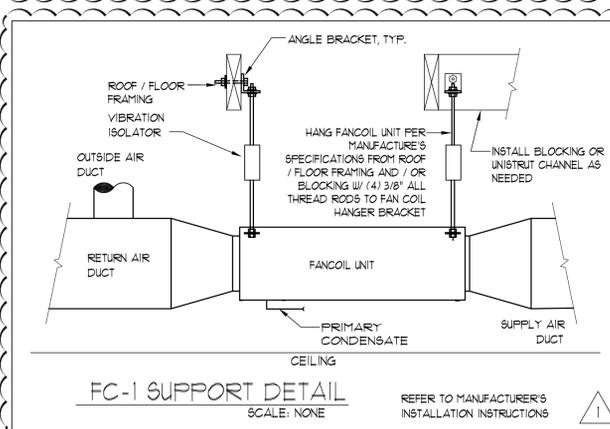
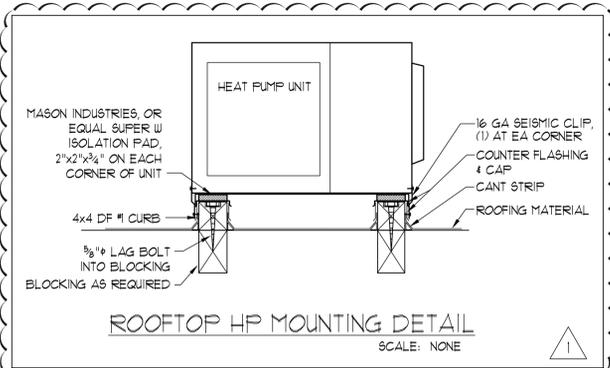
- SCOPE OF WORK**
 - EXISTING FANCOIL UNITS TO REMAIN.
 - REMOVE ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTING FROM BOTH FANCOIL UNITS.
 - REMOVE EXISTING EXHAUST FANS.
 - PROVIDE ALL NEW DUCTING FOR EXISTING FANCOIL UNITS AS INDICATED ON PLANS.
 - INSTALL NEW DUCTED MINI-SPLIT SYSTEM HEAT PUMPS AS INDICATED ON PLANS.
- A COMPLETE INSTALLATION OF HVAC WORK INDICATED ON THE DRAWINGS. ALSO, PROVIDE ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED, WHICH CAN REASONABLY BE INFERRED OR TAKEN AS BELONGING TO THE WORK AND NECESSARY TO PROVIDE THE COMPLETE SYSTEM.
- IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO ASSURE ALL MECHANICAL SYSTEMS FUNCTION PROPERLY, SAFELY, AND MEET ALL LOCAL, STATE AND REGIONAL CODES.
- ALL WORK IS TO CONFORM TO THE ACCEPTED STANDARDS OF THE TRADE. THE ENGINEER IS TO BE NOTIFIED IF ANY SUBSTITUTIONS ARE SEEN TO BE NECESSARY.
- CONTRACTOR SHALL PARTICIPATE IN BID WALK-THRU AND SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. BIDS SHALL BE ADJUSTED TO ACCOMMODATE ANY EXISTING CONDITIONS WHICH ARE NOT SHOWN ON PLANS AND ARE VISIBLE DURING WALK-THRU. ANY AND ALL DEVIATIONS FROM PLANS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION.
- CONTROLS - GENERAL**
 - A. THE VENTILATION SYSTEM SHALL BE WIRED TO OPERATE CONTINUOUSLY DURING OCCUPIED HOURS. DURING UNOCCUPIED HOURS THE UNIT SHALL CYCLE ON AND OFF WITH A DEMAND FOR HEATING AND COOLING.
 - B. ROOM THERMOSTATS SHALL BE PROGRAMMABLE WITH 5-1-1 DAY PROGRAMMING AND 24-HOUR HEATING AND COOLING SETBACK CAPABILITY.
 - C. THERMOSTATS SHALL BE INSTALLED WHERE INDICATED ON PLANS, 48 INCHES ABOVE FINISHED FLOOR LEVEL.
 - D. THERMOSTATS SHALL BE INSTALLED WHERE INDICATED ON PLANS, 48 INCHES ABOVE FINISHED FLOOR LEVEL.
 - E. INSTALLING SUB-CONTRACTOR SHALL PROVIDE ENGINEER WITH COMPLETE CONTROL SCHEMATIC INCLUDING SUBMITTALS FOR EACH COMPONENT.

APPLICATION	MODEL #	REMARKS
CLG T-BAR SUPPLY	100 MA	MODULAR CORE WITH T-BAR PANEL
CLG GYPSUM SUPPLY	MA (W/ OBD)	MODULAR CORE
CLG GYPSUM RETURN	915	THROW PATTERN INDICATED
CLG T-BAR RETURN	105P	HORIZONTAL BAR FIXED BLADE
DOOR LOUVER	4000	PERFORATED FACE WITH T-BAR PANEL VISION PROOF ALUMINUM TRANSFER GRILLE

- WHERE TURNS AND/OR TRANSITIONS EXCEED 45 DEGREES USE SHEET METAL FITTINGS AND ELBOWS. PROVIDE SHEET METAL SLEEVES FOR ALL SPLICES.
- G CORRUGATED ALUMINUM FLEX DUCT SHALL NOT BE ALLOWED.
- H ALL TAPES AND MASTIC SEALANTS SHALL COMPLY WITH UL181, UL181A, OR UL181B.
- INCREASE DUCT SIZES GRADUALLY, NOT EXCEEDING 15 DEGREES DIVERGENCE WHEREVER POSSIBLE. DIVERGENCE UPSTREAM OF EQUIPMENT SHALL NOT EXCEED 20 DEGREES+ CONVERGENCE DOWNSTREAM SHALL NOT EXCEED 30 DEGREES.
- SUPPORTS AND HANGERS FOR DUCTING SHALL BE IN ACCORDANCE WITH THE 2019 CALIFORNIA MECHANICAL CODE AND IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. DUCTS SHALL BE SUPPORTED AT EACH CHANGE OF DIRECTION, SUPPORTS AND 8' INTERVALS (MIN).
- WRAP ALL UNLINED CONCEALED SUPPLY AND RETURN DUCTS WITH O.C. FIBERGLASS DUCT WRAP OR JM MICROLITE, 2" THICK AND 1" PER CUBIC FOOT DENSITY. WRAP INSULATION ENTIRELY AROUND DUCT AND WIRE SECURELY IN PLACE WITH #16 WIRE 12" O.C. ON EACH SIDE OF STANDING BEAM AND OVER INSULATION JOINT. LAP ALL INSULATION JOINTS 3" MIN. INSULATE DUCTS TIGHT AGAINST OTHER WORK BEFORE HANGING IN PLACE.
- DUCTS SHALL BE LINED WITH 1" INTERIOR LINING NO CASE LESS THAN 5 FEET OF AIR MOVING DEVICE. DUCT LINING SHALL BE 1" QUENGS CORNING QUIETR, OR EQUAL. MATERIAL HAS A K OF 0.23 (BTU/HR-FT-F). 0.1 NRC SOUND ABSORPTION COEFFICIENT.
- AT TIME OF ROUGH INSTALLATION OR DURING STORAGE OF THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HVAC SYSTEM, ALL DUCTING AND RELATED AIR DISTRIBUTION COMPONENTS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
- AIR DISTRIBUTION SYSTEM SHALL BE BALANCED WITH AN APPROVED AND CALIBRATED AIR FLOW MEASURING DEVICE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). PROVIDE INDICATED AIR FLOW RATES (WITHIN ±5%). PROVIDE OWNER WITH COMPLETE AIR BALANCE REPORT.
- NO DUCTED OR NON-DUCTED AIR MOVING DEVICE SHALL TERMINATE IN ATTIC.



ENERGY & MECHANICAL CONSULTANTS
541 UREN STREET
NEVADA CITY, CA 95959
PHONE (530) 265-2492
FAX (530) 265-2273



SYMBOL	AREA SERVED	COOLING			HEATING		FAN			ELECT.				MFR & MODEL NO.	WEIGHT (LBS)	EFFICIENCY	REMARKS
		TOTAL (BTU/HR)	SENSIBLE (BTU/HR)	COIL EDB/EWB (°F)	HIGH INPUT/OUTPUT (BTU/HR)	DB (°F)	CFM	S.P. (WC)	O.A. (CFM) (MIN)	VOLTAGE	MCA	COMP. LRA	FUSE/MOCP				
FC-1	SHERIFF'S OFFICES	9,000	6,500	80/65	11400	47	350	0.4	40	(3)	1.0	(3)	(3)	MITSUBISHI #PEAD-A09AA7	58	---	HORIZONTAL DUCTED FANCOIL PROVIDE CONDENSATE PUMP (3) DIMENSIONS: H=9-7/8", W=35-7/16", D=28-7/8" BUILT-IN FLOAT SWITCH FOR CONDENSATE SOUND: -38 DBa
HP-1 (E)	SHERIFF'S OFFICES	9,000	6,500	80/65	11400	47	---	---	---	208/230 V. 1 PHASE	11	---	15	MITSUBISHI #SUZ-KA09NAR1	66	HSPF = 11.5 SEER = 19.4 EER = 12.5	ROOF MOUNTED OUTDOOR HEAT PUMP SOUND: -46 DBa DIMENSIONS: H=21-5/8", W=31-1/2", D=14-5/16"
FC-2 (E)	CHILDREN'S SECTION CONFERENCE	---	---	---	N.A. (4)	47	1200 (5)	0.5	200	208/230 V. 1 PHASE	N.A. (4)	---	N.A. (4)	CARRIER # AQ03630084	N.A. (4)	N.A. (4)	EXISTING FANCOIL UNIT TO REMAIN MOUNTED IN HORIZONTAL POSITION
HP-2 (E)	CHILDREN'S SECTION CONFERENCE	N.A. (4)	N.A. (4)	N.A. (4)	---	---	---	---	---	208/230 V. 3 PHASE	16.7	87	25	CARRIER # 23QN036500	N/A	N/A	EXISTING ROOFTOP CONDENSING UNIT TO REMAIN
FC-3 (E)	MAIN LIBRARY CIRCULATION	---	---	---	N.A. (4)	47	1200 (5)	0.5	200	208/230 V. 1 PHASE	N.A. (4)	---	N.A. (4)	CARRIER # AQ03630084	N.A. (4)	N.A. (4)	EXISTING FANCOIL UNIT TO REMAIN MOUNTED IN HORIZONTAL POSITION
HP-3 (E)	MAIN LIBRARY CIRCULATION	N.A. (4)	N.A. (4)	N.A. (4)	---	---	---	---	---	208/230 V. 3 PHASE	16.7	87	25	CARRIER # 23QN036500	N/A	N/A	EXISTING ROOFTOP CONDENSING UNIT TO REMAIN

NOTES:
(1) ELECTRICAL FOR INDOOR UNIT, FC-1 WILL BE PROVIDED BY OUTDOOR UNIT HP-1.
(2) FLOAT SWITCH FOR FC-1 WILL INTERRUPT POWER TO THE FANCOIL UNIT WHEN MOISTURE IS DETECTED IN THE DRAIN PAN. THIS SATISFIES THE REQUIREMENT FOR SECONDARY CONDENSATE.
(3) CONDENSATE PUMP SHALL BE G08H II, MANUFACTURED BY REFCO. SPECIFICATIONS: 11 GPH, HEAD = 65 FT, 1.3 LBS, 20 DBA.
(4) PERFORMANCE DATA FOR EXISTING EQUIPMENT IS NOT AVAILABLE.
(5) THIS IS AN ESTIMATED AIRFLOW BASED ON TONNAGE.
(6) NEW OUTDOOR CONDENSING UNIT SHALL BE ROOF MOUNTED. CONSULT OWNER'S REPRESENTATIVE FOR ACTUAL LOCATION.

SYMBOL	QTY.	AREA SERVED	DESCRIPTION	COOLING			FAN			ELECT.			MFR & MODEL NO.	WEIGHT (LBS)	SONES	REMARKS
				CFM	S.P. (WC)	RPM	VOLTAGE	BHP	WATTS							
EF-1	1	BATHROOM 1	CEILING CABINET FAN	111	0.25	---	115 V. 1 PHASE	---	16.4			PANASONIC WHISPERCEILING™ SMARTFLOW™ FV-0511VQ1	11.0	0.9	UNIT HAS BUILT-IN BACKDRAFT DAMPER EXHAUST FAN SHALL HAVE 6" DUCT CONNECTION FAN SHALL BE ENERGIZED BY ROOM LIGHT SWITCH SELECT DESIRED AIRFLOW (50-80-110 CFM)	
EF-2	1	BATHROOM 2	CEILING CABINET FAN	80	0.25	---	115 V. 1 PHASE	---	10.8			PANASONIC WHISPERCEILING™ SMARTFLOW™ FV-0511VQ1	11.0	0.6	UNIT HAS BUILT-IN BACKDRAFT DAMPER EXHAUST FAN SHALL HAVE 4" DUCT CONNECTION FAN SHALL BE ENERGIZED BY ROOM LIGHT SWITCH SELECT DESIRED AIRFLOW (50-80-110 CFM)	
EF-3	1	BATHROOM 3	CEILING CABINET FAN	80	0.25	---	115 V. 1 PHASE	---	10.8			PANASONIC WHISPERCEILING™ SMARTFLOW™ FV-0511VQ1	11.0	0.6	UNIT HAS BUILT-IN BACKDRAFT DAMPER EXHAUST FAN SHALL HAVE 4" DUCT CONNECTION FAN SHALL BE ENERGIZED BY ROOM LIGHT SWITCH SELECT DESIRED AIRFLOW (50-80-110 CFM)	
EF-4	1	SERVER	CEILING CABINET FAN	150	0.25	---	115 V. 1 PHASE	---	20.2			PANASONIC WHISPERCEILING™ SMARTFLOW™ FV-1115VQ1	11.1	0.7	UNIT HAS BUILT-IN BACKDRAFT DAMPER EXHAUST FAN SHALL HAVE 6" DUCT CONNECTION FAN SHALL BE ENERGIZED BY COOLING ONLY THERMOSTAT SELECT DESIRED AIRFLOW (110-130-150 CFM)	

NOTES:
(1) INSTALL/MOUNT EXHAUST FANS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
(2) EF-4 SHALL BE ENERGIZED BY COOLING ONLY LINE VOLTAGE THERMOSTAT. SET THERMOSTAT AT 85°F.

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BEAR RIVER LIBRARY
NEVADA COUNTY
10988 COMBIE RD., SUITES 108 AND 110
AUBURN, CA 95602
HVAC NOTES AND SPECIFICATIONS

Project Title: _____
Project Location: _____
Sheet Title: _____

Revisions:			
No.	Date:	By:	Description:
1	4-21-22	DD	PLAN CHECK
-	-	-	-

Plot Date: 4/21/2022

Job #	22-016
Scale	as noted
Date 1st Issued	2-3-2022
Sheet Number	M0.1

JOB SET



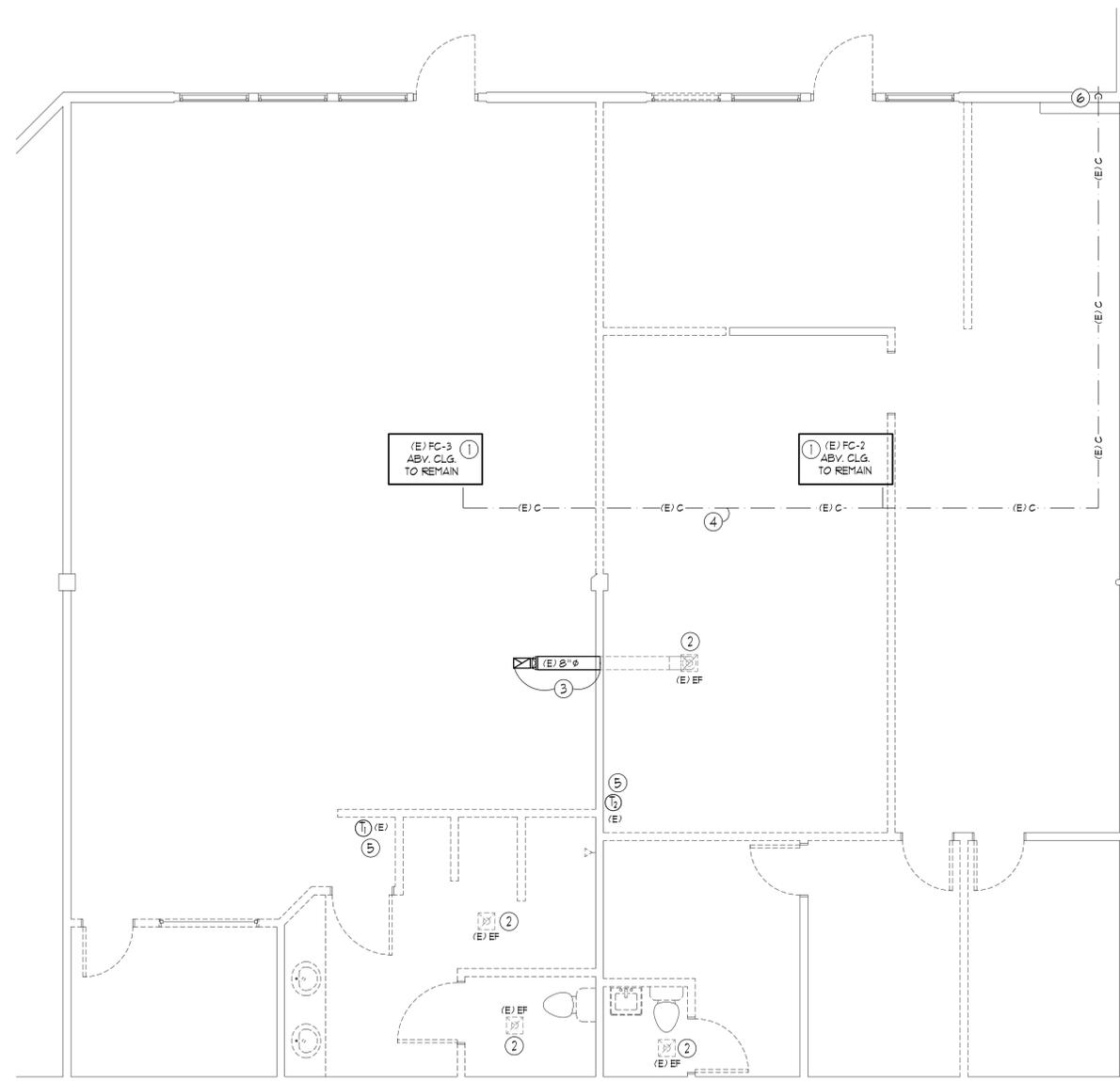
DEMOLITION KEYED NOTES

- EXISTING FANCOIL UNITS TO REMAIN. REPLACE ALL SUPPLY AND RETURN AIR DISTRIBUTION SYSTEMS AS INDICATED ON NEW PLAN.
- EXISTING EXHAUST FANS TO BE REMOVED.
- EXISTING EXHAUST DUCTING AND RISER TO REMAIN.
- (E) CONDENSATE PIPING TO BE REUSED AS SECONDARY CONDENSATE PIPING.
- (E) THERMOSTATS TO BE RELOCATED. REFER TO NEW PLAN.
- (E) CONDENSATE TERMINATION.

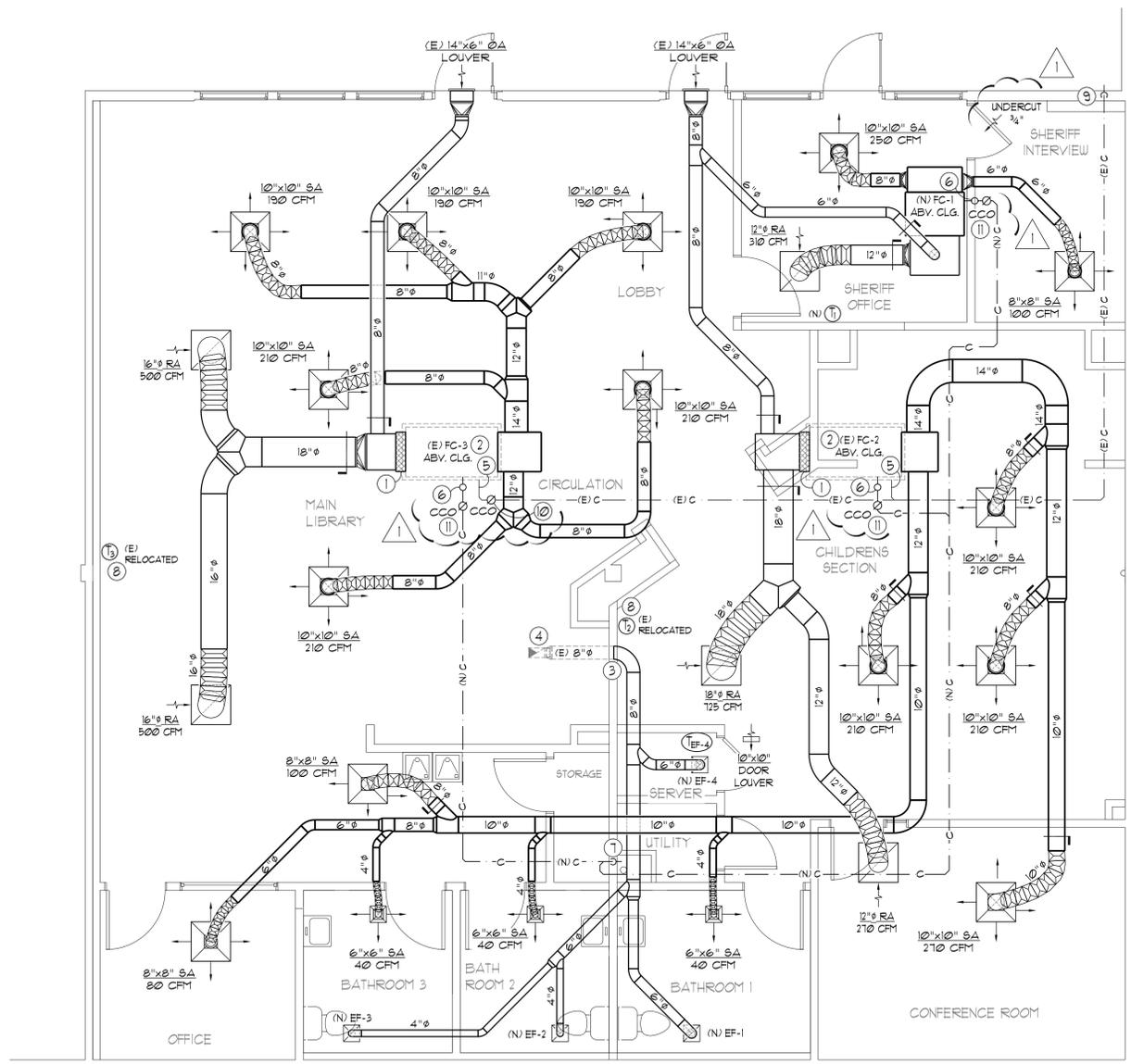
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NEW HVAC PLAN KEYED NOTES

- INSTALL (N) 24"x20"x2" MERV-13 FILTER. PROVIDE APPROPRIATE TRANSITION BETWEEN (E) FC AND (N) FILTER BOX.
- (E) FANCOIL UNITS TO REMAIN. INSTALL ALL NEW DUCTING INCLUDING SUPPLY AND RETURN FLENJMS.
- CONNECT (N) 8" EA DUCT TO (E) 8" EA DUCT. RESEAL (E) CONNECTIONS AS REQUIRED FOR AN AIRTIGHT DUCT SYSTEM.
- (E) 10"x6" EA DUCT RISER. FIELD VERIFY DIMENSIONS. FIELD VERIFY THAT (E) EA DUCT RISER TERMINATES THROUGH ROOF AND IS NOT OBSTRUCTED.
- DISCONNECT PRIMARY CONDENSATE COIL CONNECTION FROM (E) CONDENSATE PIPING. REUSE (E) CONDENSATE PIPING SYSTEM FOR SECONDARY CONDENSATE ONLY. PROVIDE (N) PIPE CONNECTION TO (E) DRAIN PAN BELOW FANCOIL UNIT & CONNECT TO (E) CONDENSATE PIPING.
- PUMPED CONDENSATE RISER. CONDENSATE PUMP SHALL BE GOBI 2 AS MANUFACTURED BY REFCO. 11 GPH AT 65 FT. HEAD. 100-240 VAC, 8 W, 20 AMP.
- TERMINATE PRIMARY CONDENSATE INDIRECTLY TO MOP SINK.
- RELOCATE (E) THERMOSTATS.
- (E) CONDENSATE TERMINATION.
- INSTALL (N) CONDENSATE CLEAN OUT AT UPPER END OF SECONDARY CONDENSATE PIPING.
- INSTALL CLEANOUT ON GRAVITY DRAINAGE SECTION OF PRIMARY CONDENSATE PIPING.



1st FLOOR HVAC PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



1st FLOOR HVAC PLAN - NEW
SCALE: 1/4" = 1'-0"

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PLUMBING SYMBOLS AND LEGEND

AC	ABOVE CEILING
UC	UNDER COUNTER
BF	BELOW FLOOR
BS	BELOW SLAB
BG	BELOW GROUND
W	IN WALL
SM	SURFACE MOUNT
VR	VENT RISER
VTR	VENT THRU ROOF
WDR	WASTE DROP, RISER
GW	GREASE WASTE
WH	WATER HEATER (SEE SCHEDULE)
WDRD	COLD WATER RISER DROP
HURD	HOT WATER RISER, DROP
HURT	HOT WATER RETURN
WCO, GCO	WALL CLEANOUT, GRADE CLEANOUT
POC	POINT OF CONNECTION
CLEANOUT	
--- CW ---	COLD WATER PIPING
--- HW ---	HOT WATER PIPING
--- HURT ---	HOT WATER RETURN PIPING
--- W ---	SANITARY WASTE PIPING
--- V ---	VENT PIPING
--- IND ---	INDIRECT WASTE LINE
--- SV ---	SHUT OFF VALVE (SOV) (LINE SIZED)
--- G ---	GAS PIPING, SIZE INDICATED
--- G (378) ---	GAS FLOW IN KBTU/HR INDICATED IN PARENTHESES
--- R ---	GAS REGULATOR
--- G ---	GAS SHUT-OFF BIBB

PIPE MATERIAL SCHEDULE

SANITARY WASTE & VENTING MATERIALS
 (A) DRAINAGE WASTE AND VENT PIPING SHALL BE SCHEDULE 40 ABS DWV, NO HUB CAST IRON OR OTHER APPROVED MATERIAL HAVING A SMOOTH AND UNIFORM BORE. FITTINGS SHALL BE MADE OF SIMILAR MATERIAL. EXCEPTION:
 1) NO HUB CAST IRON SHALL BE USED WHERE SLOPE OF WASTE LINE IS LESS THAN 1/8" IN PER FOOT, OR WHERE WASTE PIPING IS ROUTED BETWEEN FLOORS OR RISERS IN WALLS.
 (A) VENT PIPING SHALL EXTEND 12 INCHES ABOVE THE ROOF (MIN.) AND SHALL BE FLASHED WITH GALVANIZED ROOF JACKS AND RUBBER, WATERPROOF, VENT COLLARS. THE MINIMUM VENT SIZE AT VENT EXTENSION THROUGH ROOF SHALL BE 3" (MIN.) TO PREVENT FROST/SNOW CLOSURE. THE CHANGE IN DIAMETER SHALL BE MADE INSIDE THE BUILDING AT LEAST ONE (1) FOOT BELOW THE ROOF. VENTS SHALL BE PLACED ADJACENT TO UPPER RIDGE OF ROOF AND SHALL BE PROTECTED BY "MURPHY SPLITTER" OR METAL FORMED CRICKET APPROVED BY ADMINISTRATIVE AUTHORITY.

POTABLE WATER PIPING
 (A) WATER PIPE AND FITTINGS SHALL BE TYPE K COPPER, ASTM B88. COPPER PIPING SHALL BE JOINED WITH VIEGA® PRESS FITTING. ALL MATERIAL USED WITHIN THE WATER SUPPLY SYSTEM, EXCEPT VALVES AND SIMILAR DEVICES, SHALL BE OF SIMILAR MATERIAL, EXCEPT WHERE OTHERWISE APPROVED BY THE ADMINISTRATIVE AUTHORITY.
 (B) ALL PIPING 2" AND SMALLER MAY BE NON-BARRIER PEX TUBING BY UPONOR®, VIEGA® OR EQUAL. PEX TUBING SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM 4816-08 AND P811. FITTINGS SHALL BE ZERO LEAD FITTINGS MEETING THE REQUIREMENTS OF ASTM F1001. PEX PIPING SHALL MEET THE REQUIREMENTS OF SECTION 60412 OF THE 2016 CPC. POTABLE PEX PIPING PLACED IN SOIL SHALL BE SLEEVED WITH IN ACCORDANCE WITH TABLE 6041 (FOOTNOTE 2). THE FOLLOWING ARE EXCEPTIONS TO THE USE OF PEX PIPING:
 (1) PIPING WITHIN 18 INCHES OF WATER HEATER SHALL BE TYPE L COPPER.
 (2) DOMESTIC HOT WATER SUPPLY AND RETURN PIPING ABOVE GRADE SHALL TYPE L COPPER.

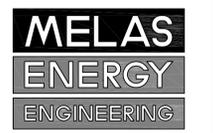
CONDENSATE PIPING
 SCHEDULE 40 PVC PIPE MEETING THE REQUIREMENTS OF ASTM D 1785 MAY BE USED FOR COLD WATER DISTRIBUTION OUTSIDE THE BUILDING. FITTINGS SHALL BE IN COMPLIANCE ASTM D 2464.

- SCOPE OF WORK**
 - REMOVE ALL EXISTING PLUMBING FIXTURES AS INDICATED ARCHITECTURAL PLANS.
 - REMOVE EXISTING WATER HEATERS.
 - INSTALL NEW PLUMBING FIXTURES AND NEW WATER HEATER.
 - REMOVE EXISTING PIPING NOT SHOWN TO BE REUSED ON PLANS.
 - SAUCUT EXISTING SLAB FOR NEW WASTE PIPING AS INDICATED ON PLANS. PATCH TO MATCH EXISTING.
- ALL WATER AND WASTE PLUMBING INSTALLATION WORK AND ALL PLUMBING MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 CALIFORNIA PLUMBING CODE.
- IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO ASSURE ALL MECHANICAL SYSTEMS FUNCTION PROPERLY, SAFELY, AND MEET ALL LOCAL, STATE AND REGIONAL CODES.
- ALL WORK IS TO CONFORM TO THE ACCEPTED STANDARDS OF THE TRADE. THE ENGINEER IS TO BE NOTIFIED IF ANY SUBSTITUTIONS ARE SEEN TO BE NECESSARY.
- HOT AND COLD WATER PIPE SIZING IS BASED ON TABLE 610.4 OF THE 2019 CPC FOR A SUPPLY PRESSURE RANGE OF 40-60 PSI.
- CONTRACTOR SHALL PARTICIPATE IN BID WALK-THRU AND SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. EIDS SHALL BE ADJUSTED TO ACCOMMODATE ANY EXISTING CONDITIONS WHICH ARE NOT SHOWN ON PLANS AND ARE VISIBLE DURING WALK-THRU. ANY AND ALL DEVIATIONS FROM PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- CONTRACTOR SHALL VERIFY SITE DIMENSIONS. NO CHANGE ORDERS WILL BE ALLOWED FOR CONDITIONS WHICH COULD BE VERIFIED BEFORE CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. NO CHANGE ORDERS WILL BE ALLOWED FOR ITEMS THAT COULD HAVE BEEN COORDINATED IN THE FIELD.
- PLUMBING FIXTURES NOT SPECIFIED ON PLANS SHALL BE SELECTED BY INSTALLING SUBCONTRACTOR AND SUBMITTED TO OWNER'S REPRESENTATIVE FOR APPROVAL. FIXTURES SHALL MEET 2019 CPC AND CALIFORNIA GREEN CODES. MAXIMUM FLOW RATES SHALL BE AS FOLLOWS:
 - SINKS 18 GPM
 - LAVATORIES (COMMERCIAL) 25 GPM
 - WATER CLOSETS 128 GPF
 - METERING FAUCETS 0.25 GAL/CYCLE

PLUMBING NOTES

- FURNISH AND INSTALL ALL MATERIALS AND PERFORM ALL LABOR NECESSARY FOR A COMPLETE INSTALLATION OF PLUMBING WORK INDICATED ON THE DRAWINGS. PROVIDE ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED, WHICH CAN REASONABLY BE INFERRED OR TAKEN AS BELONGING TO THE WORK AND NECESSARY TO PROVIDE THE COMPLETE SYSTEM.
- PROVIDE ALL NECESSARY PLUMBING CONNECTIONS TO EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OR SECTION OR BY OWNERS. PROVIDE SHUTOFF VALVES OR STOPS AT EACH CONNECTION.
- PIPING IS TO BE FIELD LOCATED IN SUCH A WAY AS TO AVOID OBSTACLES. MEET CALIFORNIA PLUMBING CODE (CPC) REQUIREMENTS AND ALLOW SERVICE CLEARANCE TO AREAS AND EQUIPMENT THAT MAY REQUIRE SERVICING.
- ALL HORIZONTAL WASTE / VENT PIPES SHALL HAVE A MINIMUM SLOPE OF 1/4" PER FOOT. IF EXISTING INVERT ELEVATION DOES NOT FOR 1/4" PER FOOT, 1/8" PER FOOT WILL BE ALLOWED WITH THE WASTE PIPING UPFIZED.
- HORIZONTAL VENT PIPE SHALL BE SO GRADED AND CONNECTED AS TO DRIP BACK BY GRAVITY TO THE DRAINPIPE IT SERVES PER 2019 CPC 905.2. VENT PIPE SHALL TERMINATE A MINIMUM OF 10 FEET FROM FRESH AIR INTAKE.
- INSULATE ALL POTABLE HOT WATER SUPPLY PIPING WITH K-FLEX 3/4" WALL THICKNESS INSULATION OR EQUAL. CONDUCTIVITY 0.29 (BTU-INHR-FT) AT 75°F IN NON-CONDITIONED SPACE, IN ACCORDANCE WITH ASTM C111 OR CB18.
- SLOPE ALL CONDENSATE AT 1/8" PER FT. CONDENSATE SHALL BE COPPER. INSULATE CONDENSATE PIPING WITH 1/2" WALL THICKNESS PIPE INSULATION WHERE PIPING RUNS ABOVE CONDITIONED SPACE.
- FOR EXACT LOCATION OF PLUMBING FIXTURES AND MOUNTING HEIGHTS, SEE ARCHITECTURAL ELEVATIONS.
- PIPING SHALL BE SUPPORTED AND BRACED IN ACCORDANCE WITH CHAPTER 9 OF THE 2019 CPC WITH SUPERSTRUT HANGERS, OR EQUAL. PROVIDE ISOLATORS AT ALL HANGERS WHERE PIPING IS NOT INSULATED.
- CLEANOUTS IN FIRE RATED WALLS SHALL HAVE BOTH METAL BODY AND COVER CONSISTENT WITH PIPE MATERIAL SCHEDULE.
- PLUMBING VENTS SHALL BE AT LEAST 10' FROM OR 3' ABOVE ANY DOOR, OPENABLE WINDOW, MECHANICAL AIR INTAKE, OR OTHER INLETS INTO THE BUILDING PER CPC 906.2.
- DISINFECTION OF WATER SYSTEM
 - PRIOR TO FINAL INSPECTION, CLEAN AND DISINFECT DOMESTIC HOT AND COLD-WATER SYSTEMS, SPACE HEATING SYSTEMS AND FIRE PROTECTION SYSTEMS CONNECTED TO DOMESTIC WATER MAINS. PERFORM ALL WORK PER AWWA STANDARD PROCEDURES FOR DISINFECTING WATER MAINS AND AS REQUIRED BY LOCAL BUILDING AND HEALTH DEPARTMENT CODES.
- WITH ALL FIXTURES CONNECTED AND OPERABLE AND READY FOR USE AND WHEN BY TEST, SYSTEM IS PROVED TO BE FREE FROM LEAKS, THOROUGHLY FLUSH BY FULLY OPENING EVERY OUTLET AND OPERATING EVERY FIXTURE UNTIL CLEAR WATER FLOWS FROM ALL OUTLETS AND FIXTURES.
- FILL SYSTEM COMPLETELY FULL OF WATER AND INJECT DISINFECTANT SLOWLY AND CONTINUOUSLY AT AN EVEN RATE (NOT IN SLUGS) UNTIL AN ORTHOTOLIDIN TEST AT EACH OUTLET SHOWS A CHLORINE RESIDUAL CONCENTRATION OF AT LEAST 50 PARTS PER MILLION (PPM).
- MAINTAIN CONDITION FOR 24 HOURS WITH CHLORINE RESIDUAL OF 50 PPM RETAINED IN SYSTEM FOR THIS 24-HOUR PERIOD. IF, AFTER 24 HOURS, ORTHOTOLIDIN TESTS INDICATE THAT CHLORINE RESIDUAL CONCENTRATION HAS DECREASED BELOW 50 PPM, THEN DISINFECTION PROCEDURE MUST BE REPEATED UNTIL AN APPROVED RESULT IS OBTAINED.
- WHEN THE ABOVE PROCEDURE HAS BEEN COMPLETED, FLUSH OUT ENTIRE SYSTEM WITH FRESH WATER UNTIL AN ORTHOTOLIDIN TEST AT ANY OUTLET SHOWS A RESIDUAL OF NOT MORE THAN 0.02 PPM.
- POST WARNING SIGNS AT ALL OUTLETS AND IN CONSPICUOUS AREAS WHILE DISINFECTING THE SYSTEM.
- TESTING OF PIPING**
 - ALL PIPING SHALL TESTED AT COMPLETION OF ROUGH-IN. TEST IN ACCORDANCE WITH THE FOLLOWING SCHEDULE TO SHOW NO LOSS IN PRESSURE OR VISIBLE LEAKS AFTER A MINIMUM DURATION OF FOUR (4) HOURS AT THE TEST PRESSURE INDICATED.
 - ISOLATE FROM THE SYSTEM ALL EQUIPMENT WHICH MAY BE DAMAGED BY TEST PRESSURE. TEST SCHEDULE AS FOLLOWS:

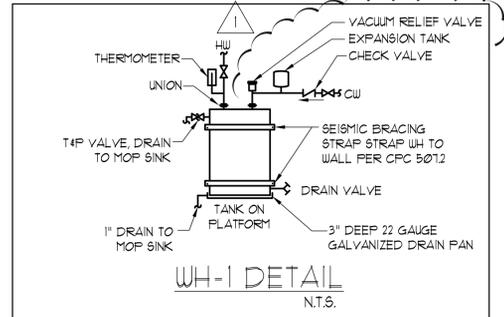
SYSTEM TESTED	TEST PRESSURE P.S.I.G.	TEST WITHIN
ALL SOIL, WASTE, DRAIN AND VENT PIPING WITHIN BUILDINGS.	FILL WITH WATER TO TOP OF HIGHEST JOINT IN SYSTEM; ALLOW TO STAND 2 HOURS OR LONGER AS DIRECTED BY INSPECTOR.	
ALL HOT TEMPERED AND COLD PIPING.	150 P.S.I.G.	WATER



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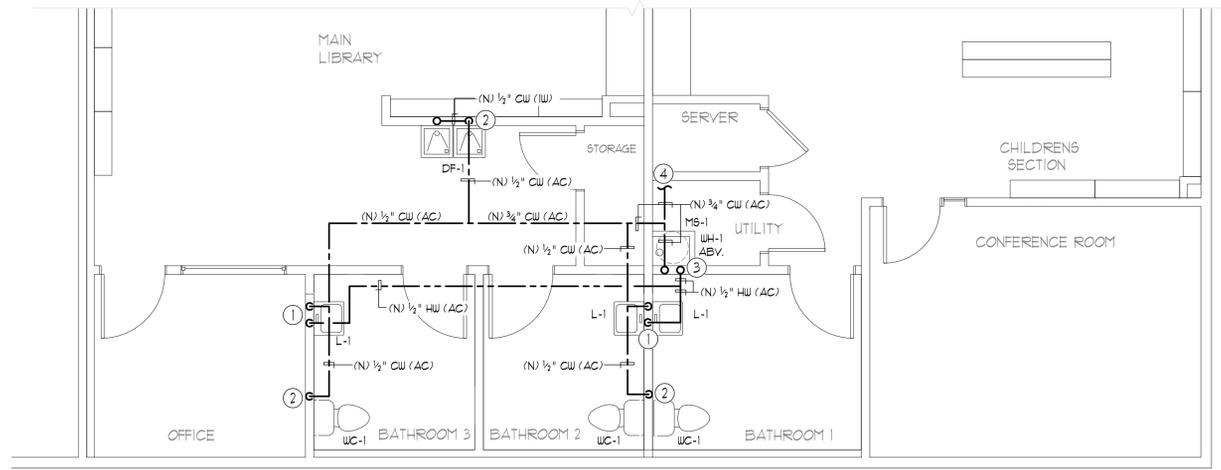
WH-1 DETAIL N.T.S.
 WATER HEATER (WH-1)
 BRADFORD WHITE COMPACT WATER HEATER RE120L6, SEE SCHEDULE FOR SPECIFICATIONS
 A) SET WATER HEATER TEMPERATURE FOR 120° F.
EXPANSION TANK:
 EXPANSION TANK SHALL BE WILKINS MODEL # XT-8, OR EQUAL, TANK VOL. 21 GALLONS, MAX WORKING PRESS. 150 P.S.I.G.

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MFGR. & MODEL No.	NOTES
WC-1	VITREOUS CHINA, FLOOR MOUNT, ELONGATED BOWL, FLUSH TANK	PROFLO PFCT103HEWH	WHITE, FLOOR MTD, 17" HIGH 1.28 GAL FLUSH VALVE, ADA COMPLIANT (COMPLETE TOILET WITH SEAT, WAX RING & BOLTS)
L-1	VITREOUS CHINA WALL MOUNTED LAVATORY	AMER. STD. LUCERNE 0356.421 AMER. STD. NEXTGEN SELECTRONIC, # 7755.305	WHITE VITREOUS CHINA LAVATORY, ADA COMPLIANT, FRONT OVERFLOW, SINGLE HOLE CONFIGURATION. 1-1/4" P-TRAP, SINGLE HOLE 0.5 GPM TOUCHLESS MIXING FAUCET, USER TEMPERATURE CONTROL, BATTERY POWERED, W/ INTEGRAL THERMOSTATIC LIMITER, ASSE 1070 LISTED
DF-1	WALL MOUNTED DUAL LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER	ELKAY EZH2O - EZSTLDDWSVRK	ADA COMPLIANT, STAINLESS STEEL BASIN, LIGHT GRAY GRANITE PANELS W/ BOTTLE FILLER, 115 VOLTS, 2.0 AMPS, 15 WATTS
MS-1	MOLDED FLOOR MOUNTED MOP RECEPTOR	FLORESTONE MSR-2424	24" X 24" MOLDED FLOOR SINK WITH MR-371 VACUUM BREAKER FAUCET, MR-370 HOSE AND CLAMP, M3-375 CHROME FLAT STRAINER, MR-372 MOP HANGER, MR-373 STAINLESS STEEL RIM GUARD AND MR-377 24" WALL GUARD PANELS.

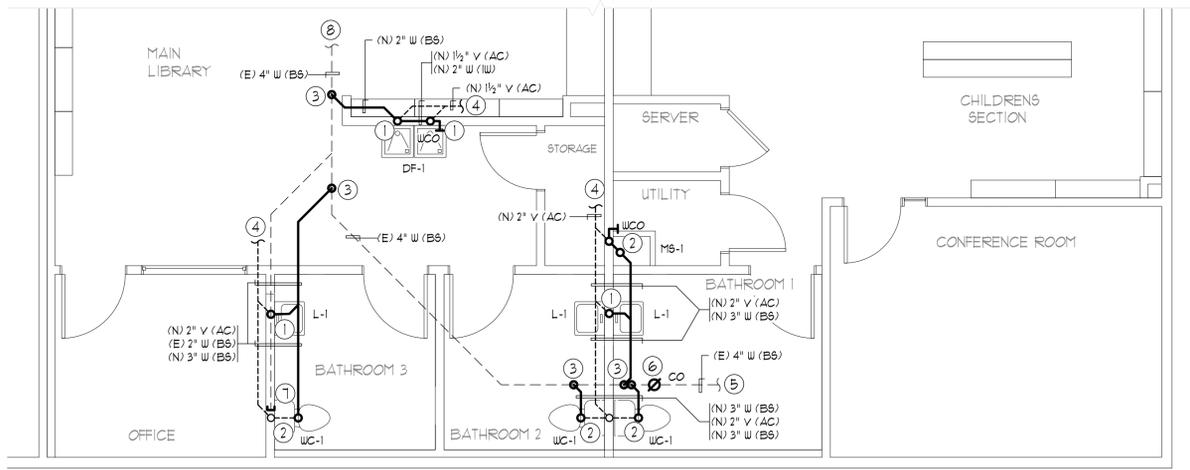
PLUMBING EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MFGR. & MODEL No.	SPECIFICATIONS	ACCESSORIES
WH-1	20 GALLON ELECTRIC WATER HEATER	BRADFORD WHITE MODEL # RE120L6	COMPACT 20 GALLON WATER HEATER, EF - N/A RECOVERY - 21 GPH AT 90° RISE 240 V, 4500 WATT, 18"Ø, 24.5" HIGH, OP. WT. = 224 #	1. PROVIDE 22 GAUGE DRAIN PAN BELOW WATER HEATER LOCATED ON SHELF ABOVE MOP SINK 2. TERMINATE T&P TO MOP SINK WITH DOWNWARD ELBOW 3. SET HOT WATER SUPPLY TEMPERATURE TO 120° F.



PLUMBING FLOOR PLAN - WATER
 SCALE: 1/4" = 1'-0"

- WATER KEYED NOTES**
- (N) 1/2" HW 4 CW DROPS
 - (N) 1/2" CW DROP
 - (N) 3/4" CW DROP 4 HW RISER FROM WH-1 WITH TRANSITION TO 1/2" HW 4 CW DROPS TO MS FAUCET
 - CONNECT (N) 3/4" CW TO (E) CW SUPPLY PIPE (AC)



PLUMBING FLOOR PLAN - W&V
 SCALE: 1/4" = 1'-0"

- W&V KEYED NOTES**
- (N) 2" WD 4 1/2" VR
 - (N) 3" WD 4 2" VR
 - CONNECT (N) WASTE PIPE TO (E) 4" W (BS)
 - CONNECT (N) V (AC) TO (E) VTR
 - VERIFY LOCATION OF (E) UPPER TERMINATION AND CLEAN OUT, PROVIDE (N) UPPER TERMINATION CLEAN OUT IF REQUIRED
 - PROVIDE (N) FLOOR CLEAN OUT
 - REMOVE 4 CAP (E) PLUMBING PIPES AT REMOVED FIXTURES
 - (E) 4" W (BS), SEE SITE UTILITY PLAN FOR CONTINUATION

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Drawing Number:

E1.0

REVIEWED FOR CODE COMPLIANCE Jul 06, 2022 INTERWEST CONSULTING GROUP

NOTE TO CONTRACTOR

THE CONTRACTOR SHALL THOROUGHLY REVIEW THESE ELECTRICAL CONSTRUCTION DOCUMENTS PRIOR TO PREPARING A BID FOR THE ELECTRICAL WORK SHOWN...

Table with columns: NEW/EXISTING, VOLTAGE, BUS, MOUNTING, LOCATION, UTILITY, LOAD DESCRIPTION, VOLT-AMPERES, A/C, TO MATCH EXISTING

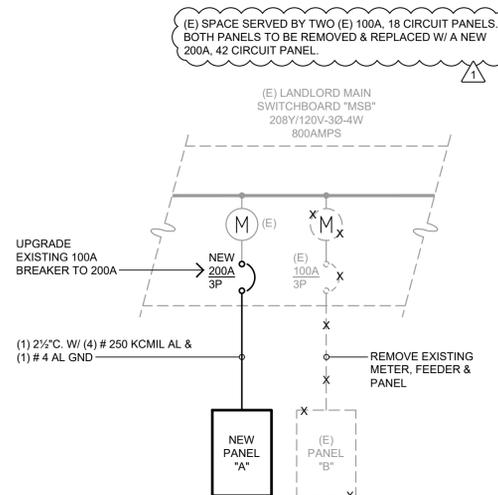
E.C. TO VERIFY (E) AIC AT "MSB." PANEL "A" SHALL BE EQUAL TO OR GREATER THAN "MSB" AIC.

LOAD & FEEDER CALCS

Table listing electrical loads for Panel A: LIGHTING - 2,654 SF @ 2 W/SF, SIGNAGE, MINI-SPLIT, etc.

SYMBOL LIST

- RECESSED LIGHT FIXTURE, SURFACE MOUNTED LIGHT FIXTURE, STRIPLIGHT, RECESSED FIXTURE, SURFACE MOUNTED LIGHT FIXTURE, WALL MOUNTED LIGHT FIXTURE, EXIT LIGHT - CEILING MOUNTED WITH ARROWS AS SHOWN, etc.



(E) ONE-LINE DIAGRAM SCALE: NONE



WALLIS DESIGN STUDIO ARCHITECTS, INC.

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DESIGN DEVELOPMENT

Stamp:



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Date	Description	No.
4/22/22	PLAN CHECK COMMENTS	

Proj. No.: 21082

Date: 02.11.2022

Scale:

Drawn By: JL/JP

Drawing Title:

LIGHTING SCHEDULES

Drawing Number:

TAG	DESCRIPTION	MANUFACTURER	V	LAMPS	W	DIMMING	MOUNTING	REMARKS
A2	2FT x 2FT LAY-IN LED TROFFER TO MATCH EXISTING	JAMES ZY T4 25W XDZ 4000K	120	LED +80CRI	25W	0-10V	LAY-IN	
BL	4" DIA. RECESSED LED DOWNLIGHT WITH CLEAR LSS REFLECTOR, LOW SETTING	LITHONIA LBR4 AL01 40K MVD MVOLT UGZ w/ LBR4PFWCP (MOUNTING FRAME)	120	LED +80CRI	6W	0-10V	RECESSED IN CEILING	
BM	4" DIA. RECESSED LED DOWNLIGHT WITH CLEAR LSS REFLECTOR, MEDIUM SETTING	LITHONIA LBR4 AL01 40K MVD MVOLT UGZ w/ LBR4PFWCP (MOUNTING FRAME)	120	LED +80CRI	9W	0-10V	RECESSED IN CEILING	
BH	4" DIA. RECESSED LED DOWNLIGHT WITH CLEAR LSS REFLECTOR, HIGH SETTING	LITHONIA LBR4 AL01 40K MVD MVOLT UGZ w/ LBR4PFWCP (MOUNTING FRAME)	120	LED +80CRI	13W	0-10V	RECESSED IN CEILING	
C	5" DIA. SURFACE MOUNTED DOWNLIGHT	JUNO JSBC 5 40K 90CRI WH CP4M4	120	LED +90CRI	11W	PHASE CONTROL DIMMING	CEILING	
D	26" DECORATIVE WALL MOUNTED VANITY LIGHT LIGHT	TLI / KICHLER 8300K 11146NILED	120	LED +90CRI	20W	PHASE CONTROL DIMMING	WALL	
EMM	ADJ. TWIN HEAD EMERGENCY LIGHT WITH 90 MIN. BATTERY BACK-UP, MEDIUM	LITHONIA ELM4L	120	LED	1	N/A	WALL	PROVIDE UNSWITCHED CIRCUIT PER NEC REQUIREMENTS
EMS	ADJ. TWIN HEAD EMERGENCY LIGHT WITH 90 MIN. BATTERY BACK-UP, SMALL	LITHONIA ELM2L	120	LED	1	N/A	WALL	PROVIDE UNSWITCHED CIRCUIT PER NEC REQUIREMENTS
F	8FT. INDIRECT / DIRECT PENDANT LIGHT	STARTEK SLMD1 8FT 325LPPF 1000LPPF WD BW 40K 80 (SCBA) ACW10 DD DT1	120	LED +80CRI	88W	(2) 0-10V	AIRCRAFT CABLE	
G	DECORATIVE PENDANT LIGHT	TECH LIGHTING - REVEL PENDANT 700 MP S LED5930	120	LED +80CRI	6W	MLV OR ELV	CEILING PENDANT	
R	EXISTING 2FT x 4FT TROFFER TO BE RELOCATED.	EXISTING	120	LED +80CRI	36W	0-10V	LAY-IN	
XE	COMBINATION EXIT SIGN & EMERGENCY LIGHT w/ 90 MIN. BATTERY BACK-UP	LITHONIA LHQM LED G SD	120	LED	4	N/A	WALL OR CEILING	PROVIDE UNSWITCHED CIRCUIT PER NEC REQUIREMENTS
XL	COMBINATION EXIT SIGN & EMERGENCY LIGHT w/ HIGH OUTPUT 90 MIN. BATTERY BACK-UP	LITHONIA LHQM LED G HO SD	120	LED	4	N/A	WALL OR CEILING	PROVIDE UNSWITCHED CIRCUIT PER NEC REQUIREMENTS
XEM	REMOTE EXTERIOR WEATHERPROOF AIMABLE EGRESS LIGHT	LITHONIA ELA QWP L0309 SD	6	LED	1.5	N/A	WALL OR CEILING	PROVIDE LOW VOLTAGE CONNECTION TO NEAREST EXIT SIGN

- LIGHT FIXTURE AND CONTROL NOTES:**
- SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING. THEY MUST BE SUBMITTED TO THE ENGINEER & LIGHTING DESIGNER NO LESS THAN ONE (1) WEEK PRIOR TO BID OPENING. ANYTHING SUBMITTED AFTER THIS TIME FRAME WILL NOT BE REVIEWED AND WILL BE CONSIDERED NON-APPROVED FOR BIDDING PURPOSES. ALL LIABILITY ASSOCIATED WITH NON-APPROVED FIXTURES THAT DO NOT MEET THE PROJECT REQUIREMENTS AS DETERMINED BY THE ENGINEERING TEAM, LIGHTING DESIGNER AND THE OWNER WILL REST SOLELY WITH THE CONTRACTOR.
 - ALL SUBSTITUTIONS AND/OR EQUAL FIXTURES SHALL BE ACCOMPANIED WITH THE APPROPRIATE IES FILE, SPECIFICATION SHEET, LM-79 REPORT & WARRANTY INFORMATION. ADDITIONAL INFORMATION ABOUT THE MANUFACTURER ITSELF AND FIXTURE COMPONENTS MAY BE REQUESTED.
 - ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE.
 - VERIFY THE PROPER MOUNTING KITS AND OR ACCESSORIES TO FACILITATE PROPER INSTALLATION OF LUMINAIRES IS PROVIDED FOR AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
 - SAMPLES FOR TABLE TOP EVALUATION MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON REQUEST.
 - ALL LIGHTING VALUE ENGINEERING PROVIDED FOR THIS PROJECT SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER & LIGHTING DESIGNER FOR REVIEW AND APPROVAL AFTER THE PROJECT HAS BEEN BID AND AWARDED. ANY CREDITS FOR VE SHALL INCLUDE TIME TO COMPENSATE OUR OFFICES FOR ENGINEERING REVIEW AND VERIFICATION OF BRANCH CIRCUIT LOADING, ENERGY CODE COMPLIANCE AND/OR PHOTOMETRIC REVIEW. NO VE SUBMITTALS WILL BE APPROVED WITHOUT THIS PROCESS IN PLACE.
 - CONTRACTOR TO VERIFY TYPES/QUANTITY/PLACEMENT OF SENSORS WITH MANUFACTURER AND MANUFACTURER REPRESENTATIVE TO ENSURE BEST COVERAGE AND EFFECTIVITY FOR THE ENCLOSED SPACE.
 - CONTRACTOR SHALL INCLUDE FACTORY START-UP/PROGRAMMING AND END USER TRAINING.
 - ALL NORMAL AND EMERGENCY LIGHTING SHALL OPERATE AT THE SAME LEVEL WHEN CONTROLLED VIA WALL SWITCH OR PHOTOCCELL. DURING AN EMERGENCY, ALL EMERGENCY LIGHTS SHALL TURN FULL ON FOR NO LESS THAN 90 MINUTES. EXTERIOR NIGHT LIGHTS ("NL") SHALL OPERATE FORM 30 MINS. AFTER SUNSET TILL 30 MINUTES BEFORE SUNRISE THE NEXT DAY.

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
BATH 1 EGRESS	+	2.2 fc	2.4 fc	2.0 fc	1.2:1	1.1:1
BATH 2 EGRESS	+	2.4 fc	2.7 fc	2.2 fc	1.2:1	1.1:1
BATH 3 EGRESS	+	1.2 fc	1.3 fc	1.0 fc	1.3:1	1.2:1
CONFERENCE RM. EGRESS	+	1.4 fc	1.5 fc	1.1 fc	1.4:1	1.3:1
CENTER EXTERIOR EGRESS	+	1.2 fc	2.9 fc	0.4 fc	7.3:1	3.0:1
LEFT EGRESS	+	3.3 fc	7.2 fc	1.1 fc	6.5:1	3.0:1
LEFT EXTERIOR EGRESS	+	1.1 fc	2.9 fc	0.4 fc	9.7:1	3.7:1
RIGHT EGRESS	+	2.9 fc	7.8 fc	1.2 fc	6.5:1	2.4:1
RIGHT EXTERIOR EGRESS	+	1.2 fc	2.8 fc	0.4 fc	7.0:1	3.0:1
SHERIFF OFFICE EGRESS	+	2.2 fc	3.0 fc	1.3 fc	2.3:1	1.7:1

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FOR
CODE COMPLIANCE
Jul 06, 2022
INTEREST CONSULTING GROUP

TAG	DESCRIPTION	MANUFACTURER	OPERATION	REMARKS
LWR	WALL MOUNTED SINGLE POLE SWITCH w/ LINE VOLTAGE INFRARED OCCUPANCY SENSOR	SENSOR SWITCH # WSXA WH	AUTO-ON / VACANCY OFF	
LWRF	WALL MOUNTED DUAL-POLE SWITCH w/ INFRARED OCC. SENSOR	SENSOR SWITCH # WSXA 2P FAN ASHRT WH	AUTO-ON / VACANCY OFF	
LWTD	WALL MOUNTED SINGLE POLE SWITCH w/ DUAL TECH OCC. SENSOR & 0-10V DIMMING	SENSOR SWITCH # WSXA PDT D WH	MANUAL-ON / VACANCY OFF w/ 0-10V DIMMING CONTROL	

TAG	DESCRIPTION	MANUFACTURER	OPERATION	REMARKS
nLWTD	nLIGHT SINGLE POLE DIMMING WALL SWITCH, DECORA	ACUITY BRANDS CONTROLS - nLIGHT nPODMA DX WH	MANUAL ON / OFF & DIMMING	PROVIDE ALL CAT 5 CONNECTIONS AND PROGRAMMING
nLWZD	nLIGHT DUAL POLE DIMMING WALL SWITCH, DECORA	ACUITY BRANDS CONTROLS - nLIGHT nPODMA 2P DX WH	MANUAL ON / OFF & DIMMING	PROVIDE ALL CAT 5 CONNECTIONS AND PROGRAMMING
nLWTD	nLIGHT SINGLE POLE DIMMING WALL SWITCH w/ INTEGRAL DUAL TECH OCCUPANCY SENSOR	ACUITY BRANDS CONTROLS - nLIGHT nWSX PDT LV DX WH	AUTO ON TO 50% / AUTO-OFF & DIMMING; AUTO-ON / AUTO-OFF OF CONTROLLED RECEPTACLES "CR"	PROVIDE ALL CAT 5 CONNECTIONS AND PROGRAMMING
nLWTD	nLIGHT CEILING MOUNTED INFRARED OCCUPANCY SENSOR	ACUITY BRANDS CONTROLS - nLIGHT nCM 9 RJB	DETERMINES OCCUPANCY AND VACANCY OF A ROOM OR AREA	PROVIDE ALL CAT 5 CONNECTIONS AND PROGRAMMING
nLWTD	nLIGHT CEILING MOUNTED DUAL-TECH OCCUPANCY SENSOR	ACUITY BRANDS CONTROLS - nLIGHT nCM PDT 9 RJB	DETERMINES OCCUPANCY AND VACANCY OF A ROOM OR AREA	PROVIDE ALL CAT 5 CONNECTIONS AND PROGRAMMING
nLWTD	nLIGHT RECESSED MOUNTED AUTO-DIMMING DUAL-ZONE PHOTOCCELL	ABC - nLIGHT nRM ADCX DZ	PROVIDES FOR DUAL-ZONE DAYLIGHT HARVESTING	PROVIDE ALL CAT 5 CONNECTIONS AND PROGRAMMING
nLWTD	nLIGHT WALL MOUNTED SCENE CONTROLLER	ABC - nLIGHT nPODMA 4S DX	PROVIDES FOR ON/OFF & DIMMING CONTROL FOUR UP TO (4) PROGRAMMED SCENES	PROVIDE ALL CAT 5 CONNECTIONS AND PROGRAMMING
nLWTD	nLIGHT RELAY PANEL WITH ASTRO DIGITAL TIMECLOCK	ABC - nLIGHT ARP (SIZED AS REQ'D) w/ DTC	PROVIDES FOR SYSTEM INTERFACE AND TIMECLOCK FUNCTIONS OF LIGHTING CONTROL	PROVIDE ALL 120V & CAT 5 CONNECTIONS AND PROGRAMMING

COMMUNITY BUILDING LIGHTING CONTROL NOTES:

- THE CONTROL BASIS OF DESIGN IS ACUITY BRANDS nLIGHT DIGITAL CONTROLS. OTHER CONTROL SYSTEMS MAY SEEK APPROVAL. ELECTRICAL CONTRACTOR AND APPROVED CONTROL MANUFACTURER TO THOROUGHLY REVIEW THE ELECTRICAL PLANS AND PROVIDE THE REQUIRED DEVICE QUANTITIES AND DESIGN FOR A COMPLETE CURRENT TITLE-24 COMPLIANT SYSTEM, INCLUDING ALL REQUIRED PROGRAMMING.
- 1 OFFICE & CONFERENCE**
- | | | | |
|----------------------------------------|-------------------------------------------|------------------------------|-----------------------------------------------------------|
| 130.1 (a) AREA LIGHTING CONTROL | <input type="checkbox"/> YES; WALL SWITCH | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (b) MULTI-LEVEL LIGHTING CONTROL | <input type="checkbox"/> YES; WALL DIMMER | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (c) AUTOMATIC SHUT-OFF CONTROL | <input type="checkbox"/> YES; OCC. SENSOR | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (d) AUTOMATIC DAYLIGHT CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: <120WATTS IN ZONE |
| 130.1 (e) DEMAND RESPONSE CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: <10,000 SF @ >0.5W/SF |
| 130.5 (d) CONTROLLED RECEPTACLES | <input type="checkbox"/> YES; OCC. SENSOR | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
- SEQUENCE OF OPERATION: (LOW VOLTAGE CONTROLS, NETWORKED TO LIGHTING CONTROL PANEL)
PROGRAM GENERAL AREA LIGHTING FOR AUTO-ON TO 50%; MANUAL PUSH FOR 100%;
CONTROLLED RECEPTACLES AUTO-ON / OFF VIA SENSOR ONLY
LIGHTING AND CONTROLLED RECEPTACLES TO VACANCY OFF AFTER 20 MINUTES.
- 2 SINGLE STALL RESTROOM**
- | | | | |
|----------------------------------------|-------------------------------------------|------------------------------|-----------------------------------------------------------|
| 130.1 (a) AREA LIGHTING CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (b) MULTI-LEVEL LIGHTING CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: < 0.5W/S.F. |
| 130.1 (c) AUTOMATIC SHUT-OFF CONTROL | <input type="checkbox"/> YES; OCC. SENSOR | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (d) AUTOMATIC DAYLIGHT CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (e) DEMAND RESPONSE CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: <10,000 SF @ >0.5W/SF |
| 130.5 (d) CONTROLLED RECEPTACLES | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
- SEQUENCE OF OPERATION: (LINE VOLTAGE CONTROL)
PROGRAM GENERAL AREA LIGHTING TO AUTO-ON / AUTO-OFF VIA OCCUPANCY SENSOR.
AUTO VACANCY OFF OF ALL LIGHTING AFTER 20 MINUTES.
- 3 SMALL ROOM OR CLOSE**
- | | | | |
|----------------------------------------|-------------------------------------------|------------------------------|-----------------------------------------------------------|
| 130.1 (a) AREA LIGHTING CONTROL | <input type="checkbox"/> YES; WALL SWITCH | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (b) MULTI-LEVEL LIGHTING CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: < 0.5W/S.F. |
| 130.1 (c) AUTOMATIC SHUT-OFF CONTROL | <input type="checkbox"/> YES; OCC. SENSOR | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (d) AUTOMATIC DAYLIGHT CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (e) DEMAND RESPONSE CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: <10,000 SF @ >0.5W/SF |
| 130.5 (d) CONTROLLED RECEPTACLES | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
- SEQUENCE OF OPERATION: (LINE VOLTAGE CONTROL)
AUTO ON / AUTO OFF AFTER 20 MINS.
- 4 LIBRARY**
- | | | | |
|----------------------------------------|-----------------------------------------------|------------------------------|-----------------------------------------------------------|
| 130.1 (a) AREA LIGHTING CONTROL | <input type="checkbox"/> YES; SCENE CONTROL | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (b) MULTI-LEVEL LIGHTING CONTROL | <input type="checkbox"/> YES; SCENE CONTROL | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (c) AUTOMATIC SHUT-OFF CONTROL | <input type="checkbox"/> YES; ASTRO TIMECLOCK | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (d) AUTOMATIC DAYLIGHT CONTROL | <input type="checkbox"/> YES; PHOTOCCELL | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (e) DEMAND RESPONSE CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: <10,000 SF @ >0.5W/SF |
| 130.5 (d) CONTROLLED RECEPTACLES | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
- SEQUENCE OF OPERATION: (LOW VOLTAGE CONTROLS, NETWORKED TO LIGHTING CONTROL PANEL)
PROGRAM AREA LIGHTING TO ACTIVATE DURING BUSINESS HOURS VIA SCENE CONTROL BUTTON PUSH OR ENTRY SENSOR.
LIGHTING TO AUTO-OFF VIA TIME-CLOCK 30 MINS. AFTER CLOSING.
PROGRAM ALL LIGHTING LEVELS PER OWNER REQUIREMENTS. PROVIDE UP TO FOUR DIFFERENT SCENES.
2-HOUR MAX. AFTER HOUR OVERRIDE VIA OCCUPANCY SENSOR OR BUTTON PUSH.
- 5 UTILITY ROOM**
- | | | | |
|----------------------------------------|--------------------------------------|------------------------------|-----------------------------------------------------------|
| 130.1 (a) AREA LIGHTING CONTROL | <input type="checkbox"/> YES; TOGGLE | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (b) MULTI-LEVEL LIGHTING CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: SINGLE FIXTURE |
| 130.1 (c) AUTOMATIC SHUT-OFF CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: ELECTRICAL PANELS |
| 130.1 (d) AUTOMATIC DAYLIGHT CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (e) DEMAND RESPONSE CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: <10,000 SF @ >0.5W/SF |
| 130.5 (d) CONTROLLED RECEPTACLES | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
- SEQUENCE OF OPERATION: (LINE VOLTAGE CONTROL)
TOGGLE SWITCH TO PROVIDE MANUAL ON/OFF CONTROL AS REQUIRED.
- 6 LIBRARY - CHILDRENS AREA**
- | | | | |
|----------------------------------------|-----------------------------------------------|------------------------------|-----------------------------------------------------------|
| 130.1 (a) AREA LIGHTING CONTROL | <input type="checkbox"/> YES; SCENE CONTROL | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (b) MULTI-LEVEL LIGHTING CONTROL | <input type="checkbox"/> YES; SCENE CONTROL | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (c) AUTOMATIC SHUT-OFF CONTROL | <input type="checkbox"/> YES; ASTRO TIMECLOCK | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (d) AUTOMATIC DAYLIGHT CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
| 130.1 (e) DEMAND RESPONSE CONTROL | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: <10,000 SF @ >0.5W/SF |
| 130.5 (d) CONTROLLED RECEPTACLES | <input type="checkbox"/> YES; | <input type="checkbox"/> N/A | <input type="checkbox"/> EXCEPTION: |
- SEQUENCE OF OPERATION: (LOW VOLTAGE CONTROLS, NETWORKED TO LIGHTING CONTROL PANEL)
PROGRAM AREA LIGHTING TO ACTIVATE DURING BUSINESS HOURS VIA SCENE CONTROL BUTTON PUSH OR ENTRY SENSOR.
LIGHTING TO AUTO-OFF VIA TIME-CLOCK 30 MINS. AFTER CLOSING. CHILDRENS AREA LIGHTING TO DIM 50% WHEN UNOCCUPIED MORE THAN 15 MINS.
PROGRAM ALL LIGHTING LEVELS PER OWNER REQUIREMENTS. PROVIDE UP TO FOUR DIFFERENT SCENES.
2-HOUR MAX. AFTER HOUR OVERRIDE VIA OCCUPANCY SENSOR OR BUTTON PUSH.

JOB SET

E3.1

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)2 for indoor lighting scopes using the prescriptive path.
Project Name: Bear Valley Library | Report Page: (Page 1 of 8)
Project Address: 10988 Combie Rd | Date Prepared: 4/25/2022

A. GENERAL INFORMATION

01 Project Location (city)	Auburn	04 Total Conditioned Floor Area (ft ²)	2,666
02 Climate Zone	11	05 Total Unconditioned Floor Area (ft ²)	0
03 Occupancy Types Within Project (select all that apply):	06 # of Stories (Habitable Above Grade) 1		
<input checked="" type="checkbox"/> Office	<input type="checkbox"/> Retail	<input type="checkbox"/> Warehouse	<input type="checkbox"/> Hotel/Motel
<input type="checkbox"/> Parking Garage	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Relocatable	<input type="checkbox"/> Healthcare
		<input type="checkbox"/> School	<input checked="" type="checkbox"/> Support Areas
		<input type="checkbox"/> Other (Write in)	See Table I

B. PROJECT SCOPE
This table includes 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.

Scope of Work	Conditioned Spaces	Unconditioned Spaces
01	02	03
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)
<input type="checkbox"/> New Lighting System		
<input type="checkbox"/> New Lighting System - Parking Garage		
<input checked="" type="checkbox"/> Altered Lighting System	Area Category Method	2666
		Area Category Method
		0
Total Area of Work (ft²)		2666

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft Schema Version: rev 20200601
Report Generated: 2022-04-25 11:20:34

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Bear Valley Library | Report Page: (Page 4 of 8)
Project Address: 10988 Combie Rd | Date Prepared: 4/25/2022

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

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/Sky lit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector
Bathroom 1	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Bathroom 2	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Bathroom 3	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Conference Room	Convention, Conference, Multipurpose and Meeting Center Areas	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Children's Space	Library Reading Area	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Main Library	Library Reading Area	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	Included	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Office	Office 250 square feet or less	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Server Room	Copy Room	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Sheriff's Interview	Office 250 square feet or less	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Sheriff's Office	Office 250 square feet or less	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Storage	All Other Space Types	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft Schema Version: rev 20200601
Report Generated: 2022-04-25 11:20:34

REVIEWED FOR CODE COMPLIANCE Jul 06, 2022 INTEREST CONSULTING GROUP

JOB SET

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
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Project Address: 10988 Combie Rd | Date Prepared: 4/25/2022

C. COMPLIANCE RESULTS
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)					Adjusted Lighting Power per §140.6(a) (Watts)			Compliance Results
	01	02	03	04	05	06	07	08	
Complete Building: §140.6(c)1	Area Category: §140.6(c)2	Area Additional: §140.6(c)2G (+)	Tailored: §140.6(c)3 (-)	Total Allowed (Watts)	Total Designed (Watts)	PAF Lighting Control Credits: §140.6(a)2 (-)	Total Adjusted (Watts)	Includes Adjustments	05 must be >= 08 §140.6
(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)		
Conditioned	2,044.6	0			2,045	≥ 1,223	0		1223
Unconditioned									
Controls Compliance (See Table H for Details)									COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)									COMPLIES

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

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

F. INDOOR LIGHTING FIXTURE SCHEDULE
This table includes all permanent designed lighting and all portable lighting in offices.

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change	Watts per luminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3	Design Watts	Field Inspector
A2	25w LED	No	No	25	Mfr. Spec	2	No	50	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
BH	13w LED	No	No	13	Mfr. Spec	2	No	26	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft Schema Version: rev 20200601
Report Generated: 2022-04-25 11:20:34

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Bear Valley Library | Report Page: (Page 5 of 8)
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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Utility	Electrical Mechanical Telephone Room	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	<input type="checkbox"/>	<input type="checkbox"/>
13									
Plan Sheet Showing Daylit Zones:									
Bathroom 1	Restroom								
Bathroom 2	Restroom								
Bathroom 3	Restroom								
Server Room	Single Fixture							E3.0, E3.1	
Storage	Single Fixture								
Utility	Single Fixture								

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment
Restroom	Restrooms	0.65	265	172.2	No
Office <= 250 SF	Office 250 square feet or less	0.7	342	239.4	No
Conference Room	Convention, Conference, Multipurpose and Meeting Center Areas	0.85	204	173.4	No

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R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks: These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

Yes	No	Form/Title	Field Inspector
			Pass
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-TI-01-E - Must be submitted for all buildings	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-TI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-TI-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.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-TI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-TI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks: These documents must be provided to the building inspector during construction and any with "A" in the form name 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
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF)	<input type="checkbox"/>

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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Bear Valley Library | Report Page: (Page 3 of 8)
Project Address: 10988 Combie Rd | Date Prepared: 4/25/2022

F. INDOOR LIGHTING FIXTURE SCHEDULE

BL	6w LED	No	No	6	Mfr. Spec	5	No	30	<input type="checkbox"/>	<input type="checkbox"/>	
BM	9w LED	No	No	9	Mfr. Spec	8	No	72	<input type="checkbox"/>	<input type="checkbox"/>	
C	11w LED	No	No	11	Mfr. Spec	9	No	99	<input type="checkbox"/>	<input type="checkbox"/>	
D	20w LED	No	No	20	Mfr. Spec	3	No	60	<input type="checkbox"/>	<input type="checkbox"/>	
F	88w LED	No	No	88	Mfr. Spec	1	No	88	<input type="checkbox"/>	<input type="checkbox"/>	
G	6w LED	No	No	6	Mfr. Spec	1	No	6	<input type="checkbox"/>	<input type="checkbox"/>	
R	36w LED	No	No	36	Mfr. Spec	22	No	792	<input type="checkbox"/>	<input type="checkbox"/>	
Total Designed Watts: CONDITIONED SPACES									1,223		

G. MODULAR LIGHTING SYSTEMS
This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. 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 §110.12(c)	Shut-off controls §130.1(c)	Field Inspector
Not Required <= 10,000 SF	See Area/Space Level Controls	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

Computer Room	Copy Room	0.5	10	No	No
Utility	Electrical Mechanical Telephone Room	0.4	24	9.6	No
Library	Library Reading Area	0.8	1,789	1,431.2	No
Storage	All Other Space Types	0.4	22	8.8	No
TOTALS:		2,666	2,044.6	See Tables I, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Bear Valley Library | Report Page: (Page 6 of 8)
Project Address: 10988 Combie Rd | Date Prepared: 4/25/2022

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

Computer Room	Copy Room	0.5	10	No	No
Utility	Electrical Mechanical Telephone Room	0.4	24	9.6	No
Library	Library Reading Area	0.8	1,789	1,431.2	No
Storage	All Other Space Types	0.4	22	8.8	No
TOTALS:		2,666	2,044.6	See Tables I, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft Schema Version: rev 20200601
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STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Bear Valley Library | Report Page: (Page 8 of 8)
Project Address: 10988 Combie Rd | Date Prepared: 4/25/2022

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

Documentation Author Name: Jim Puga
Signature Date: 2022-04-25
Address: 3130 Twitchell Island Road
City/State/Zip: West Sacramento CA 95691
Phone: 916.371.3202

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- 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.
- 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.
- 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 for building permit(s) to the building owner at occupancy.

Responsible Designer Name: Jim Levy
Signature Date: 2022-04-25
Address: 3130 Twitchell Island Rd.
City/State/Zip: West Sacramento CA 92871
Phone: 916-826-1824

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft Schema Version: rev 20200601
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WALLIS DESIGN STUDIO ARCHITECTS, INC.
241 Commercial St, Suite B
Nevada City, CA 95959
(530) 264-7010
WallisDesignStudio.com

BEAR RIVER LIBRARY

NEVADA COUNTY
10988 Combie Rd
Suite 108 and 110
Auburn, CA 95602

DESIGN DEVELOPMENT



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Date	Description	PLAN CHECK COMMENTS
4/22/22		

Proj. No.: 21082

Date: 02.11.2022

Scale:

Drawn By: JL/JP

Drawing Title:
INTERIOR TITLE-24 FORMS

Drawing Number:

E4.0

Project Name:	Bear River Library	NRCC-PRF-01-E	Page 1 of 12
Project Address:	10988 Combie Rd. Suites 108 & 110 Auburn 95602	Calculation Date/Time:	11-41, Wed, Feb 02, 2022
Input File Name:	Bear River Library - 22016.cbd13x		

A. GENERAL INFORMATION			
1	Project Location (city)	Auburn	8
2	CA Zip Code	95602	9
3	Climate Zone	11	10
4	Total Conditioned Floor Area in Scope	2,547 ft ²	11
5	Total Unconditioned Floor Area	0 ft ²	12
6	Total # of Stories (Habitable Above Grade)	1	13
7	Total # of dwelling units	0	14

B. PROJECT SUMMARY			
Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit jurisdiction.			
Building Components Complying via Performance		Building Components Complying Prescriptively	
Envelope (see Table G)	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included	Covered Process: Commercial Kitchens	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included
Mechanical (see Table H)	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included	Covered Process: Computer Rooms	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included
Domestic Hot Water (see Table I)	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included	Covered Process: Laboratory Exhaust	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included
Lighting (Indoor Conditioned, see Table K)	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included		
Solar Thermal Water Heating (see Table L)	<input type="checkbox"/> Performance <input type="checkbox"/> Not Included		

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-02-02 11:42:19

Project Name:	Bear River Library	NRCC-PRF-01-E	Page 2 of 12
Project Address:	10988 Combie Rd. Suites 108 & 110 Auburn 95602	Calculation Date/Time:	11-41, Wed, Feb 02, 2022
Input File Name:	Bear River Library - 22016.cbd13x		

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft ² -yr)			
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Space Heating	7.99	15.96	-7.98
Space Cooling	69.77	65.32	4.45
Indoor Fans	91.37	86.21	5.16
Heat Rejection	--	--	--
Pumps & Misc.	--	--	--
Domestic Hot Water	14.02	13.93	0.11
Indoor Lighting	48.10	48.10	--
ENERGY STANDARDS COMPLIANCE TOTAL	231.24	229.50	1.74 (0.8%)

¹ Notes: The number in parentheses following the Compliance Margin in column 4, represents the Percent Better than Standard.

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS ¹			
<input type="checkbox"/> This project is pursuing CalGreen Tier 1 <input type="checkbox"/> This project is pursuing CalGreen Tier 2			
Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Receptacle	56.89	56.89	--
Process	--	--	--
Other Use	--	--	--
Process Motors	--	--	--
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	327.13	325.39	1.7 (0.5%)

¹ Notes: This table is used to document compliance with programs OTHER THAN Title 24 Part 6, if applicable.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-02-02 11:42:19

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Input File Name:	Bear River Library - 22016.cbd13x		

C3. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (kBtu)	Proposed Design Site (kBtu)	Margin (kBtu)	Standard Design Site (kBtu)	Proposed Design Site (kBtu)	Margin (kBtu)
Space Heating	--	1.7	--	10.0	--	--
Space Cooling	4.2	3.7	-0.5	--	--	--
Indoor Fans	7.9	7.5	-0.4	--	--	--
Heat Rejection	--	--	--	--	--	--
Pumps & Misc.	--	--	--	--	--	--
Domestic Hot Water	1.3	1.3	0.0	--	--	--
Indoor Lighting	4.3	4.3	0.0	--	--	--
Compliance Total	17.7	18.5	0.8	10.0	0.0	--
Receptacle	8.6	8.6	0.0	--	--	--
Other Use	--	--	--	--	--	--
Process Motors	--	--	--	--	--	--
TOTAL	26.3	27.1	0.8	10.0	0.0	--

D. EXCEPTIONAL CONDITIONS
 This project includes partial performance compliance scope options. The building must show compliance with all other applicable compliance scope options (performance or prescriptively) before occupying.
 This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylight Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (Form NRCC-01-02-E) for the requirements of section 140.6(6) Automatic Daylighting Controls in Secondary Daylight Zones is required.

E. HERS VERIFICATION
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-02-02 11:42:19

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Project Address:	10988 Combie Rd. Suites 108 & 110 Auburn 95602	Calculation Date/Time:	11-41, Wed, Feb 02, 2022
Input File Name:	Bear River Library - 22016.cbd13x		

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)			
1	2	3	4
Opaque Surfaces & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)
North-Facing ¹	530 ft ²	150 ft ²	28.3%
East-Facing ²	0 ft ²	0 ft ²	0.0%
South-Facing ³	0 ft ²	0 ft ²	0.0%
West-Facing ⁴	0 ft ²	0 ft ²	0.0%
Total	530 ft²	150 ft²	28.3%

Roof: 0 ft² 0.0%

Notes:
¹North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).
²East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).
³South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE).
⁴West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

G3. OPAQUE SURFACE ASSEMBLY SUMMARY									
1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	U-Factor
Slab On Grade	Underground/Floor	2547	NA	0	NA	F-Factor	0.73	Slab Type - Unheated/SlabOnGrade Insulation Orientation - None Insulation R-Value = R0	N
8-0 Roof Cathedral	Ceiling	2547	Wood	0	NA	U-Factor	0.236	Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Wood framed roof, 16in. OC, 3 in., R-0 Gypsum Board - 1/2 in.	N
8 CMU Wall	Underground/Wall	825	NA	0	NA	C-Factor	1.14	Concrete - Solid Grout - 115 lb/ft ³ - 8 in.	N

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-02-02 11:42:19

Project Name:	Bear River Library	NRCC-PRF-01-E	Page 5 of 12
Project Address:	10988 Combie Rd. Suites 108 & 110 Auburn 95602	Calculation Date/Time:	11-41, Wed, Feb 02, 2022
Input File Name:	Bear River Library - 22016.cbd13x		

G3. OPAQUE SURFACE ASSEMBLY SUMMARY									
1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	U-Factor
8 CMU Wall	Exterior/Wall	530	NA	0	NA	U-Factor	0.579	Concrete - Solid Grout - 115 lb/ft ³ - 8 in.	N

¹ Notes: None. A - Above, F - Facing

G5. FENESTRATION ASSEMBLY SUMMARY								
1	2	3	4	5	6	7	8	9
Fenestration Assembly Name / Tag or ID	Fenestration Type / Product Type / Frame Type	Certification Method ¹	Assembly Method	Area ft ²	Overall U-Factor	Overall SHGC	Overall VT	Overall U-Factor
Storefront Clear Metal Single	VerticalFenestration CurtainWall MetalFraming	Default Performance	SiteBuilt	150	1.19	0.83	0.88	N
Storefront LowE Metal Double	VerticalFenestration CurtainWall N/A	NFRC Rated	SiteBuilt	20	0.47	0.25	0.50	N

¹ Newly installed fenestration shall have a certified NFRC Label Certificate or the U-Factor values based on Table 110.4.A and Table 110.4.B. Center of Glass (COG) values are for the glass only, determined by the manufacturer, and are shown for ease of comparison. Site-built fenestration values are calculated per International Approximate Method and are used in the analysis.

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.)											
1	2	3	4	5	6	7	8	9	10	11	12
Equipment Name	Equipment Type	Qty	Heating			Cooling			Economizer Type (if present)	Comments	
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency			
FC-1	SZHP (SHP/Phase)	1	11	0	HSPF 11.500	9	SER/VEER	19,400/12,500	NotEconomizer	N	
FC-2	SZHP (SHP/Phase)	1	36	10	HSPF 8.200	36	SER/VEER	14,000/11,700	NotEconomizer	N	

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Input File Name:	Bear River Library - 22016.cbd13x		

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.)											
1	2	3	4	5	6	7	8	9	10	11	12
Equipment Name	Equipment Type	Qty	Heating			Cooling			Economizer Type (if present)	Comments	
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency			
FC-3	SZHP (SHP/Phase)	1	36	10	HSPF 8.200	36	SER/VEER	14,000/11,700	NotEconomizer	N	

¹ Notes: None. A - Above, F - Facing

H2. FAN SYSTEMS SUMMARY													
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Name or Item Tag	CFM	CFM	Modeling Method	Power Units	Control	CFM	Modeling Method	Power Units	Control				
FC-1	1	37	350	BrakeHorsePower	0.200	bhp	ConstantVolume	NA	NA	NA	NA	NA	N
FC-2	1	263	1200	BrakeHorsePower	0.660	bhp	ConstantVolume	NA	NA	NA	NA	NA	N
FC-3	1	153	1200	BrakeHorsePower	0.660	bhp	ConstantVolume	NA	NA	NA	NA	NA	N

¹ Notes: None. A - Above, F - Facing

H3. EXHAUST FAN SUMMARY
 This Section Does Not Apply

HA. Wet System Equipment (boilers, chillers, cooling towers, etc.)
 This Section Does Not Apply

HS. PUMPS
 This Section Does Not Apply

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H6. SYSTEM SPECIAL FEATURES			
1	2	3	4
System Name	Equipment Type	Window Interlocks per \$140.4(e)	Other Special Features and Controls
Res DHWT - SHW	Service Hot Water, Primary Only	NA	Fixed Temperature Control

Notes: This table includes controls installed for performance goals only. For prescriptive goals, mandatory and prescriptive controls requirements are documented in the NRCC-01-E.

H7. NONRESIDENTIAL VENTILATION						
1	2	3	4	5	6	7
Zone Name	Ventilation Function	# of people	Supply OA CFM	Exhaust CFM	Conditioned Area (sf)	
1-Sheriff	Office - Office space	1.23	37	0	246	NA
2-Childrens Library	Assembly - Libraries (reading rooms and stack areas) General - Corridors/Meeting Office - Office space	14.70	263	0	1284	NA
3-Main Library	Assembly - Libraries (reading rooms and stack areas)	10.17	153	0	1017	NA

H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION
 This Section Does Not Apply

H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY												
1	2	3	4	5	6	7	8	9	10	11	12	13
System ID	Zone Name	System Type	Qty	Airflow (cfm)			Min. Ratio	Power	Power Units	Cycles	VSD	
				Heating	Cooling	Design						
1-Sheriff-Tm	1-Sheriff	Uncontrolled	1	NA	NA	350	NA	0.00	0.200	bhp	NA	<input type="checkbox"/>
2-Childrens Library-Tm	2-Childrens Library	Uncontrolled	1	NA	NA	1200	NA	0.00	0.660	bhp	NA	<input type="checkbox"/>
3-Main Library-Tm	3-Main Library	Uncontrolled	1	NA	NA	1200	NA	0.00	0.660	bhp	NA	<input type="checkbox"/>

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H10. EVAPORATIVE COOLER SUMMARY
 This Section Does Not Apply

H11. HEAT RECOVERY SUMMARY
 This Section Does Not Apply

I1. WATER HEATER EQUIPMENT SUMMARY													
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Electric Storage ¹	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value (in/ft ²)	Standby Loss Fraction	1st Hour Rating or Flow Rate (gph)	Heat Pump Type	Tank Location or Ambient Condition
Electric Storage ²	Electricity	Storage	1	20.00	3.7	kW	0.92	UEF	NA	NA	20	NA	NA

I2. WATER HEATER EQUIPMENT SUMMARY
 This Section Does Not Apply

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L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION											
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title-24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/											
Building Component	Form/Title										
Envelope	NRCC-ENV-01-E - Must be submitted for all buildings										
Mechanical	NRCC-MCH-01-E - Must be submitted for all buildings										
Plumbing	NRCC-PLB-01-E - Must be submitted for all buildings										

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