GENERAL INFORMATION

G000	COVER SHEET
G101	REGULATORY COMPLIANCE FLOOR PLAN- FIRST FLOOR
G102	REGULATORY COMPLIANCE FLOOR PLAN- SECOND FLOOR

ARCHITECTURAL

SITE DEVELOPMENT

SD/A101	DEMOLITION SITE PLAN, SITE PLAN AND DETAILS

TYPICAL INFORMATION

X/A101	WALL ASSEMBLIES
X/A201	INTERIOR AND EXTERIOR FINISH SCHEDULE
X/A301	MODULAR CASEWORK SCHEDULE
X/A310	MODULAR CASEWORK DETAILS- TYPICAL
X/A311	MODULAR CASEWORK DETAILS- a104, a116
X/A312	MODULAR CASEWORK DETAILS- b206
X/A313	MODULAR CASEWORK DETAILS- d206, e206
X/A401	OPENING SCHEDULES, FRAME ELEVATIONS
X/A431	DOOR AND WINDOW FRAME ELEVATION TYPES
X/A601	INTERIOR DETAILS
X/A602	INTERIOR DETAILS
X/A603	INTERIOR DETAILS

BUILDING A

A/A001	DEMOLITION FLOOR PLAN - FIRST FLOOR
A/A002	DEMOLITION FLOOR PLAN - SECOND FLOOR
A/A110	FLOOR PLAN- FIRST FLOOR
A/A120	FLOOR PLAN- SECOND FLOOR
A/A200	DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR
A/A202	DEMOLITION REFLECTED CEILING PLAN - SECOND FLOOR
A/A210	REFLECTED CEILING PLAN- FIRST FLOOR
A/A220	REFLECTED CEILING PLAN- SECOND FLOOR
A/A401	EXTERIOR ELEVATIONS
A/A501	BUILDING SECTIONS
A/A601	INTERIOR ELEVATIONS- ROOMS 101 - 105
A/A602	INTERIOR ELEVATIONS- ROOMS 106 - 112
A/A603	INTERIOR ELEVATIONS- ROOMS 113-120
A/A604	INTERIOR ELEVATIONS- ROOMS 202, 206
A/A605	INTERIOR ELEVATIONS- ROOMS 206, 219, 238
A/A710	SIGNAGE PLAN- FIRST FLOOR
A/A720	SIGNAGE PLAN- SECOND FLOOR
A/A801	FLOOR PATTERN PLAN- FIRST FLOOR
A/A802	FLOOR PATTERN PLAN- SECOND FLOOR

STRUCTURAL

TYPICAL INFORMATION

X/S101	TYPICAL PROJECT NOTES & DETAILS
X/S102	TYPICAL CONCRETE & TIMBER NOTES & DETAIL

BUILDING A

A/S301	FIRST FLOOR PARTIAL FRAMING PLAN
A/S302	SECOND FLOOR PARTIAL FLOOR FRAMING PLAN
A/S401	ELEVATIONS
A/S402	SECTIONS
A/S403	SECTIONS
A/S404	SECTIONS
A/S045	ELEVATIONS & SECTIONS
A/S601	DETAILS
A/S602	DETAILS

MECHANICAL

TYPICAL INFORMATION

X/M101	MECHANICAL DETAILS, SCHEDULES, & LEGENDS
X/M102	MECHANICAL T24 DOCUMENTS & GENERAL NOTES

BUILDING A

A/M101	FIRST FLOOR MECHANICAL DEMOLITION PLAN
A/M102	SECOND FLOOR MECHANICAL DEMOLITION PLAN
A/M210	FIRST FLOOR MECHANICAL PLAN WEST
A/M211	FIRST FLOOR MECHANICAL PLAN EAST
A/M220	SECOND FLOOR MECHANICAL PLAN

PLUMBING

TYPICAL INFORMATION

X/P101	DETAILS AND SCHEDULES

BUILDING A

A/P101	PLUMBING FLOOR PLAN

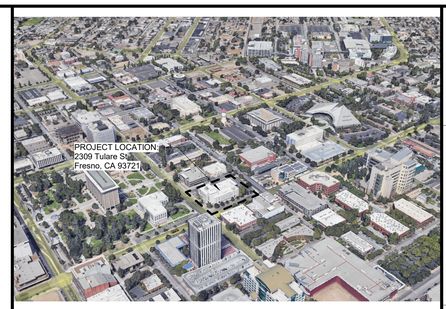
ELECTRICAL

TYPICAL INFORMATION

X/E001	ELECTRICAL INFORMATION

BUILDING A

A/E001	DEMOLITION CEILING PLAN- FIRST FLOOR
A/E002	DEMOLITION CEILING PLAN- SECOND FLOOR
A/E003	DEMOLITION POWER PLAN- FIRST FLOOR
A/E004	DEMOLITION PLAN- SECOND FLOOR
A/E101	LIGHTING PLAN- FIRST FLOOR
A/E102	LIGHTING PLAN- SECOND FLOOR
A/E201	POWER PLAN- FIRST FLOOR
A/E202	POWER PLAN-SECOND FLOOR
A/E301	TITLE 24 COMPLIANCE FORMS- INDOOR LIGHTING
A/E302	TITLE 24 COMPLIANCE FORMS- POWER DISTRIBUTION



N14 Vicinity Map

All work shall be performed in accordance with current applicable codes and standards including, but not limited to, the following:

California Code of Regulations (CCR)
CCR-T5: Title 5-Education
CCR-T8: Title 8-Industrial Safety
CCR-T19: Title 19-Public Safety
CCR-Title 24:

Building Codes and Standards:

2019 California Building Standards Administrative Code (Part 1, Title 24, CCR)

2019 California Building Code, Volumes 1 and 2 (Part 2, Title 24, CCR)

2019 California Electrical Code (Part 3, Title 24, CCR)

2019 California Mechanical Code (Part 4, Title 24, CCR)

2019 California Plumbing Code (Part 5, Title 24, CCR)

2019 California Energy Code (Part 6, Title 24, CCR)

2019 California Elevator Safety Construction Code (Part 7, Title 24, CCR)

2019 California Fire Code, Part 9, Title 24, CCR)

2019 California Referenced Standards Code (Part 12, Title 24, CCR)

2019 California Green Building Standards Code

NFPA 13, 2016 Edition, The Installation of Automatic Sprinkler Systems

NFPA 14, 2016 Edition, Installation of Standpipe

NFPA 24, 2016 Edition, Installation of Private Fire Service Mains and their Appurtenances

NFPA 72, 2016 Edition, National Fire Alarm Code

Division of the State Architect (DSA):
SSS: Structural Safety Section
ACS: Access Compliance Section
FLS: Fire Life Safety
Interpretation of Regulation Manual

J14 Applicable Codes

Notes:
1. The Contractor Shall Be Responsible For The Preparation and Submittal Of The Deferred Approval Items To The Division Of The State Architect (DSA) For Review and Approval Prior To The Installation. The Submittal Shall Comply With The Requirements Of Specification Section 013300: Submittals.
2. Installation of Deferred Approval items shall not be started until Contractor's drawing, specifications, and engineering calculations for the actual system(s) to be installed have been reviewed by the Architect and/or the Structural Engineer, and approved by the DSA.

Description of Deferred Item
Fire Sprinklers
Fire Alarm
-

G14 Deferred Approval

Site:
Construction of new Accessible ramps at East Entries, to allow access to new department reception areas.

1st Floor:
Remodel of Existing lobby and Mail area into a new department office and reception area. As well as the creation of a new lobby area for two other departments. Including the remodel of the elevator Cab at the main entry lobby.

2nd Floor:
Remodel of Existing Board Room, Board Room Lobby and Adjacent hallway. Including the replacement of Floor Finishes, Ceilings, and replacement of the board room dais and platform installation of new Audio Visual system.

B14 Project Description

Agency Approval

ELECTRICAL
Hardin-Davidson Engineering
356 Pollasky Ave. Suite 200
Clovis, CA 93612
T (559) 324-2400
F (559) 323-4928

MECHANICAL
Lawrence Engineering Group
7084 N Maple Ave Ste 101
Fresno, CA 93720
(559) 431-0101

STRUCTURAL
Brooks Ransom Associates
7415 N Palm Ave Ste 100
Fresno, CA 93711
T (559) 448-8444
F (559) 448-8404

ARCHITECTURAL
Darden Architects, Inc.
6790 N. West Avenue
Fresno, CA 93711
T (559) 448-8051
F (559) 446-1765

Board Room Remodel
Fresno Unified School District
Fresno, CA

Darden Project Number: *1947.IDA*

Date: *03/22/2022*

Fresno Unified School District

Project Information

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

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G000

darden architects, inc.
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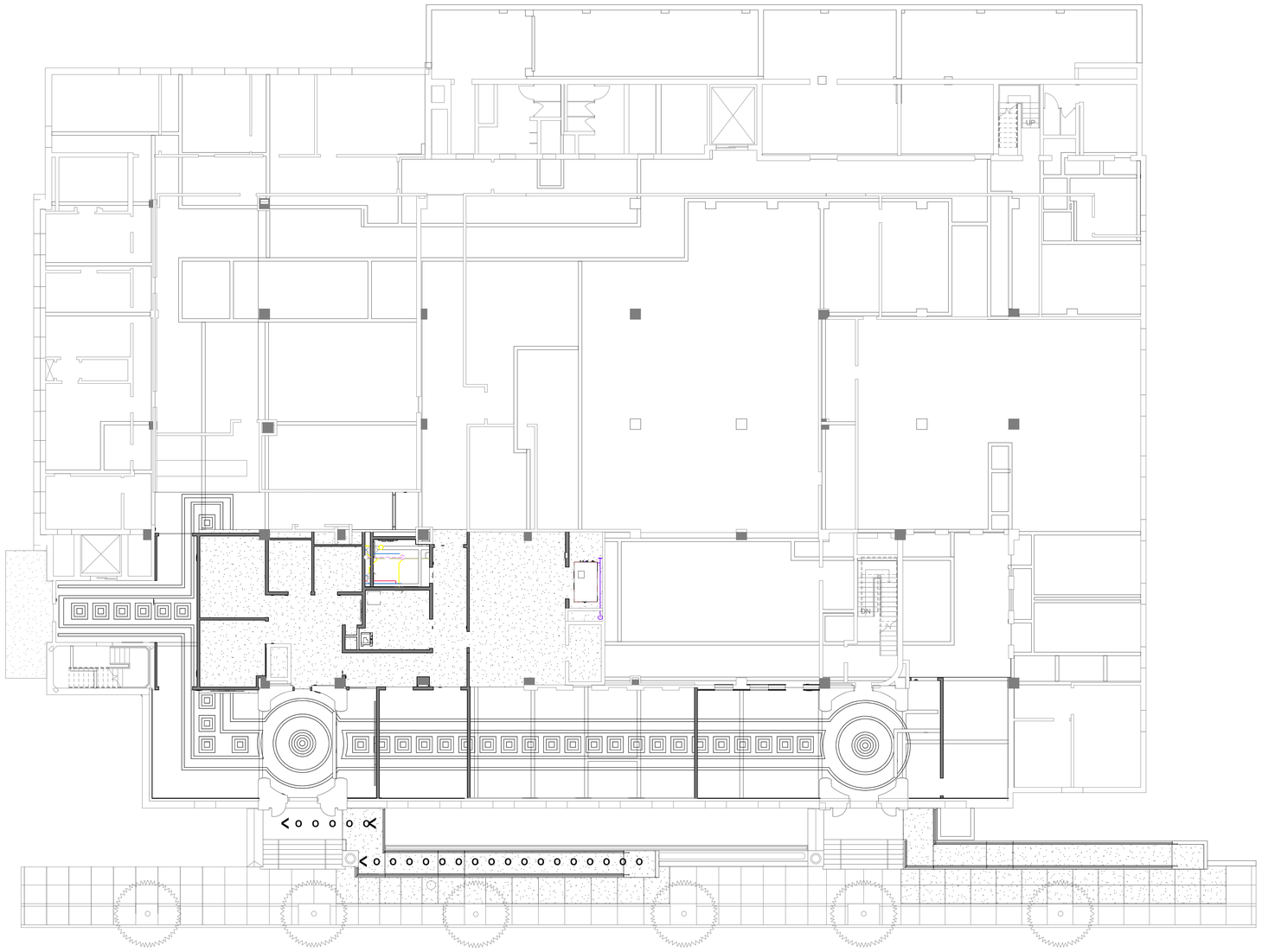

SYMBOLS

- Assumed Property Line
- Frontage Line
- 1 Hr Fire Barrier
- 1 Hr Fire Barrier Occ Sep
- 2 Hr Fire Barrier
- 3 Hr Fire Barrier
- 2 Hr. Rated Area Seperation / Fire Wall
- 4 Hr. Rated Area & Construction Seperation / Fire Wall
- Accessible Path of Travel
- Fire Truck Access Lane
- FH — PLUMBING, Fire Hydrant (FH)
- FDC — PLUMBING, Fire Department Connection (FDC) (Siamese)
- PIV — PLUMBING, Post Indicator Valve (PIV).
- BUILDING OUTLINE

Accessible Restroom Location:
B = Boys
G = Girls
M = Men
W = Women
U = Unisex
S = Staff

ABBREVIATIONS

DF ACCESSABLE DRINKING FOUNTAIN LOCATION
(-HA = High Adult)
(-LA = Low Adult)

NOTES

1. Site Gates, Site Ramps, and Site Stair locations in the "Path of Travel" are indicated on Drawing REGULATORY COMPLAINCE SITE PLAN and FLOOR PLAN
2. The Path of Travel slopes shall not exceed a running slope of 1:20 (5%) The Path of Travel slopes shall not exceed a Cross Slope of 1:50 (2%). The Path of Travel shall not have overhead obstructions within 80" above the walking surface or obstructions protruding more than 4" between 27" and 80" above the walking surface.
3. The "Path of Travel" as shown on Drawing REGULATORY COMPLIANCE SITE PLAN, shall not have any unprotected vertical drop exceeding 4 inches at the time of the preparation of the contract documents and DSA approval. Contractor shall verify and bring any non-complying items to the attendtion of the Architect.
4. All new concrete surfaces within the "Path of Travel" shall have a non-slip medium broom finish as called for in Specification Section CAST-IN-PLACE CONCRETE. A heavy broom finish shall be used on all slopes greater than 6%.

Note:
This does not apply to new projects.

N

J18	Regulatory Compliance Site Plan Legend

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

REGULATORY SITE PLAN

Drawing

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed Designer	Copyright 2022 Darden Architects
Scale: As indicated	Drawn By: Author	G001
Project Numbe 1947.IDA	Checked IChecker	
Date: 03/22/2022	Reviewed Approver	

A1	Site Plan
1" = 10'-0"	

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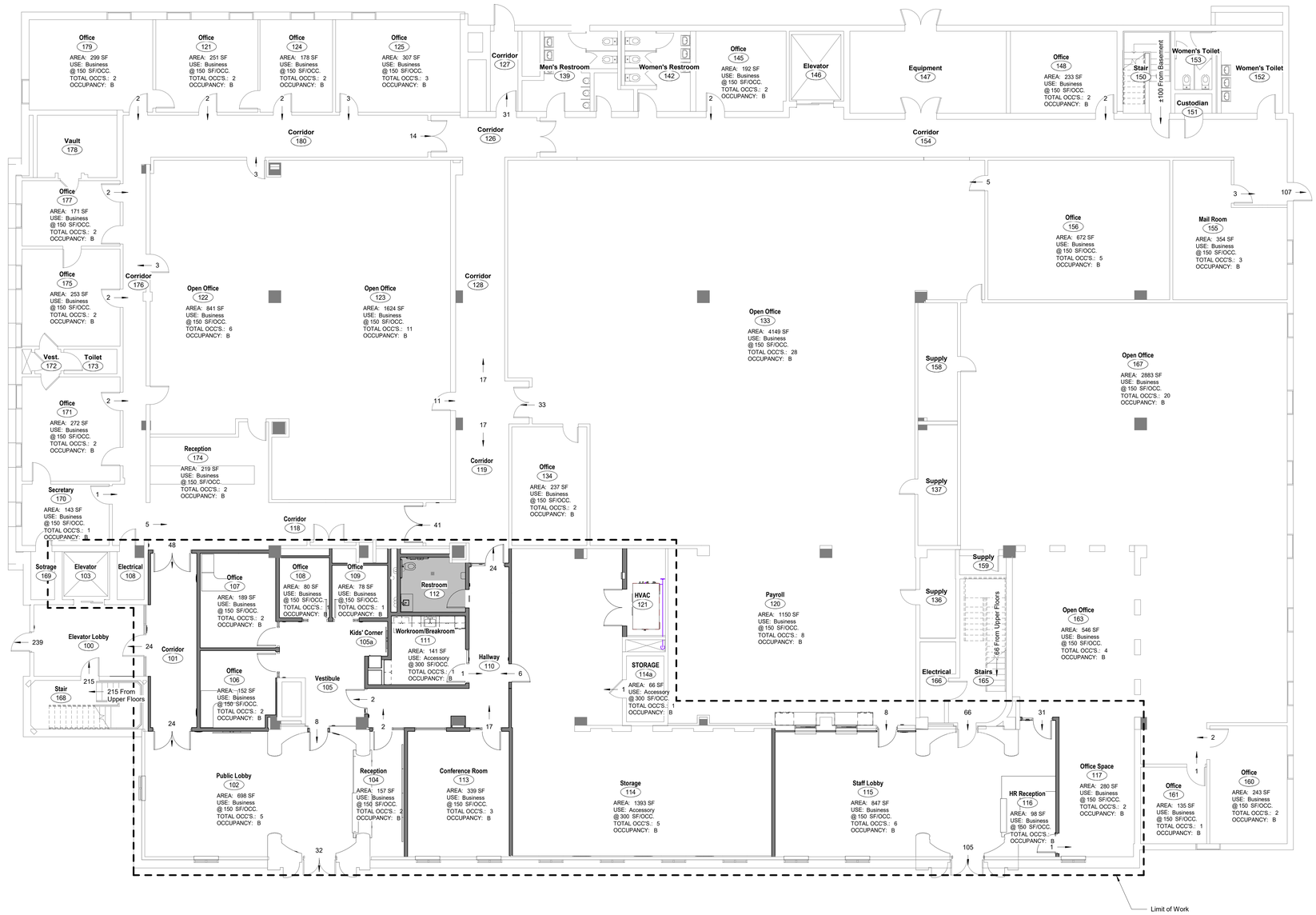

CORRIDORS

6' - 0" WIDTH	= 72" / 0.2	= 360	OCCUPANTS
7' - 0" WIDTH	= 84" / 0.2	= 420	OCCUPANTS
8' - 0" WIDTH	= 96" / 0.2	= 480	OCCUPANTS
9' - 0" WIDTH	= 108" / 0.2	= 540	OCCUPANTS
10' - 0" WIDTH	= 120" / 0.2	= 600	OCCUPANTS
11' - 0" WIDTH	= 132" / 0.2	= 660	OCCUPANTS
12' - 0" WIDTH	= 144" / 0.2	= 720	OCCUPANTS

STAIRWAYS

6' - 0" WIDTH	= 72" / 0.3	= 240	OCCUPANTS
7' - 0" WIDTH	= 84" / 0.3	= 280	OCCUPANTS
8' - 0" WIDTH	= 96" / 0.3	= 320	OCCUPANTS
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14' - 0" WIDTH	= 168" / 0.3	= 560	OCCUPANTS
15' - 0" WIDTH	= 180" / 0.3	= 600	OCCUPANTS
16' - 0" WIDTH	= 192" / 0.3	= 640	OCCUPANTS
17' - 0" WIDTH	= 204" / 0.3	= 680	OCCUPANTS
18' - 0" WIDTH	= 216" / 0.3	= 720	OCCUPANTS

DOORWAYS

SINGLE 3'-0" DOORWAY	= 32.75" / 0.2	= 163	OCCUPANTS
SINGLE 4'-0" DOORWAY	= 46.75" / 0.2	= 233	OCCUPANTS
1 PAIR 3'-0" DOORWAY	= 68.75" / 0.2	= 343	OCCUPANTS
2 PAIR 4'-0" DOORWAY	= 92.75" / 0.2	= 463	OCCUPANTS
1-1/2 PAIR 3'-0" DOORWAY	= 104.25" / 0.2	= 521	OCCUPANTS
1-1/2 PAIR 4'-0" DOORWAY	= 136.50" / 0.2	= 682	OCCUPANTS
2 PAIR 3'-0" DOORWAY	= 137.50" / 0.2	= 687	OCCUPANTS
2 PAIR 4'-0" DOORWAY	= 185.50" / 0.2	= 927	OCCUPANTS

N18 — Exit Width Schedule
No Scale

SYMBOLS

- 1 Hr Corridor Wall
- 1 Hr Partition
- # — Indicates Point of Exit or Exit Discharge Direction
- A — Indicates Required Accessible Clearance Space

Accessible Restroom Location:
B = Boys
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ABBREVIATIONS

DF ACCESSIBLE DRINKING FOUNTAIN LOCATION
(-HA = High Adult)
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FEC FIRE PROTECTION SPECIALTIES, Fire Extinguisher and Cabinet. Provide Fire Rated Cabinet at Rated Walls.

FEBC FIRE PROTECTION SPECIALTIES, Fire Extinguisher, Blanket and Cabinet, Provide Fire Rated Cabinet at Rated Walls.

BUILDING INFORMATION

Building Id. & Use: Education Center
Occupancy Classification: Group B
Construction Type: Type II-A, Fully Automatic Fire Sprinklered
Actual Building Area: 1st Floor = 28,380 SF
2nd Floor= 15,645 SF

J18 — Regulatory Compliance Floor Plan Legend
No Scale

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

REGULATORY COMPLIANCE FLOOR PLAN- FIRST FLOOR
Drawing

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed Designer
Drawn By: Author
Checked Checker
Reviewed Approver

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Scale: 1/8" = 1'-0"
Project Number 1947.IDA
Date: 03/22/2022

G101

A1 — Regulatory Compliance Floor Plan- First Floor
1/8" = 1'-0"

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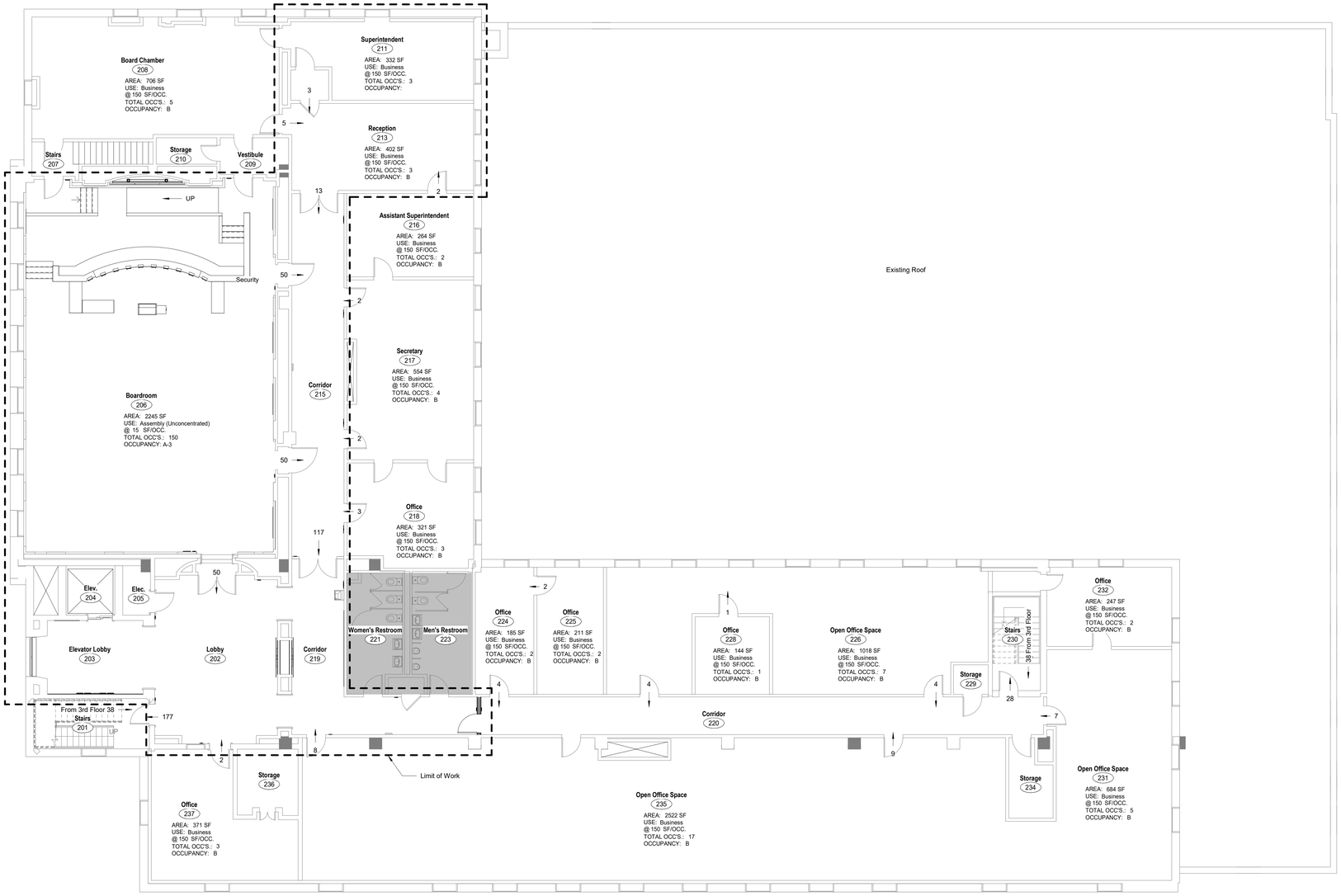

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No Scale

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J18 — Regulatory Compliance Floor Plan Legend

No Scale

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

REGULATORY COMPLIANCE FLOOR PLAN- SECOND FLOOR
Drawing

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LICENSED ARCHITECT ARSENIO J. AVILA No. C28235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed Designer	Copyright 2022 Darden Architects
Scale: 1/8" = 1'-0"	Drawn By: Author	G102
Project Numbe 1947.IDA	Checked IChecker	
Date: 03/22/2022	Reviewe Approver	

A1 — Regulatory Compliance Floor Plan - Second Floor

1/8" = 1'-0"

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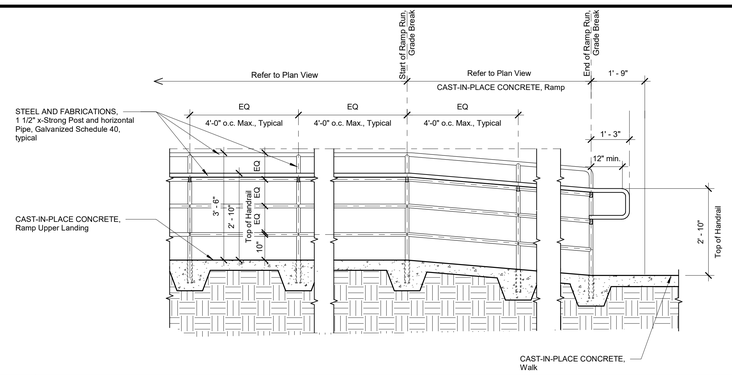
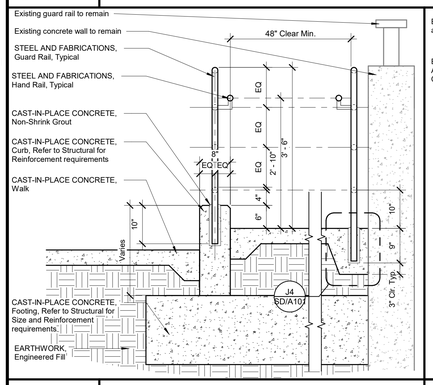


N1

1/2" = 1'-0"

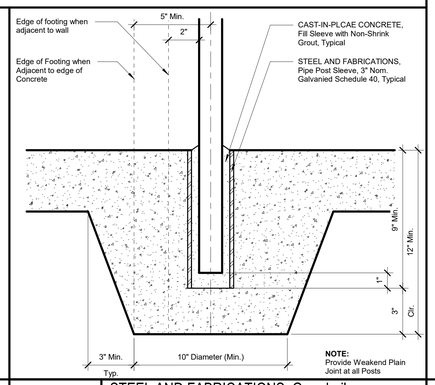
STEEL AND FABRICATIONS, Free Standing Guardrail and Handrail



J1

3/4" = 1'-0"

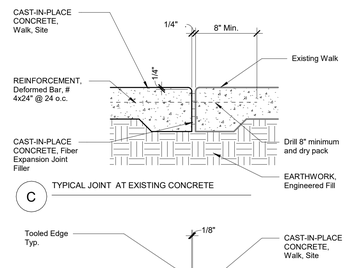
CAST-IN-PLACE CONCRETE, Ramp Section



J4

3" = 1'-0"

STEEL AND FABRICATIONS, Guardrail Footing



J7

1 1/2" = 1'-0"

CAST-IN-PLACE CONCRETE, Walk Sections

SYMBOLS

- SELECTIVE DEMOLITION, Existing Item and / or Area to be Removed and / or Relocated. (See Demolition Notes)
- SELECTIVE DEMOLITION, Sawcut, Remove and Dispose of Existing Concrete Paving (See Demolition Notes)
- Existing Concrete Paving
- Existing Tree
- SELECTIVE DEMOLITION, Remove Existing Tree (See Demolition Notes)
- F1 — Demolition Note Symbol
- L — Building Designation
- Existing Building

DEMOLITION NOTES

- S1 — CLEARING AND DEMOLITION, Sawcut Existing Concrete as required for new improvements, Typical
- S2 — CLEARING AND DEMOLITION, Clear Area for New Work to Occur. Remove Vegetation, Irrigation Lines, Sprinkler Heads, Valves, and Valve Boxes for New Work as Needed, Refer to General note #2 below
- S3 — CLEARING AND DEMOLITION, Remove and Dispose of Existing Tree and Rootball Down to Depth of -3'-0" and Roots Larger than 1/2" Diameter. Verify Scope of Work (Numbers of Trees to be removed) with Project Inspector Prior to Starting Work, Typical
- S4 — CLEARING AND DEMOLITION, Remove and Dispose of Existing Concrete Curb
- S5 — CLEARING AND DEMOLITION, Remove and Dispose of Existing Concrete Wall and Wall Cap to below elevation of new walk and curb.
- S6 — CLEARING AND DEMOLITION, Remove and Dispose of Existing Concrete wall and Footing. Refer to Structural for Extent of Soil removal required for new work.
- S7 — CLEARING AND DEMOLITION, Remove and Dispose Portion of Existing guard rail to the closest support in area to remain. Salvage end piece and reinstall at new raling end.

GENERAL NOTES

1. Demolition to be in Compliance with the California Fire Code, Chapter 14 - Fire Safety During Construction and Demolition
2. Remove existing irrigation lines, heads and valves as required for new construction. The Contractor is responsible for field verification of the existing irrigation system within the new construction area and in providing all of what is required to amend and adjust the sprinkler system due to new improvements to provide a complete and operational system. Provide new sprinkler heads as required same as removed. The irrigation sytem shall remain in operation during construction
3. Protect all Adjacent finishes durring demolition and Construction. Contractor shal repair any damaged area and bring back finish to match existing adjacent.

J14

No Scale

Demolition Partial Site Plan Legend

SYMBOLS

- CAST-IN-PLACE CONCRETE, Concrete Walk over 6" 90% Compacted Fill.
- Building Outline
- Property Line
- Limits of Construction (Project Area)
- Pipe/Utility
- Covered Area
- 1 — PVC Irrigation Sleeve
- Grade Break
- Existing
- Drainage Swale
- Slope (DN) — General Direction of Slope
- ELECTRICAL, Existing Light Pole
- CAST-IN-PLACE CONCRETE, Control Joint
- CAST-IN-PLACE CONCRETE, Expansion Joint
- 368 — Finish Grade Contour
- CB — STORM DRAINAGE, Catch Basin or Drain Box
- DB — STORM DRAINAGE, Drain Box
- DI — STORM DRAINAGE, Drain Inlet
- TD — STORM DRAINAGE, Trench Drain
- FH — PLUMBING, Fire Hydrant
- FDC — PLUMBING, Fire Department Connection (Siamese)
- PIV — PLUMBING, Post Indicator Valve
- CO — PLUMBING, Clean Out,
- CO — CIVIL, Sewer Clean Out,
- SOV — PLUMBING, Shut Off Valve,
- ELECTRICAL, Pole Light Fixture,
- ELECTRICAL, Bollard Light Fixture,
- ELECTRICAL, Light Fixture, Directional
- ELECTRICAL & MECHANICAL, Utility Box

ABBREVIATIONS

(E)	Existing	FF	Finish Floor	PL	Planter
AC	Air Conditioning System	FG	Finish Grade	R	Radius
AD	Area Drain, (See Plumbing)	FL	Flow Line	RWL	Rain Water Leader
BW	Back of Walk	FMFCD	Fresno Metropolitan Flood Control District	SD	Storm Drain
C	Concrete	FS	Floor Sink	SL	Site Lighting
CB	Catch Basin	G	Gas	S	Signal
CJ	Control Joint	GT	Gutter	SS	Sanitary Sewer
CM	Communications	GB	Grade Break	TB	Top of Bench
COB	Clean Out Box	RG	Rough Grade	TC	Top of Curb
CW	Cold Water	HPG	High Pressure Gas	TD	Trench Drain
DB	Drain Box	HL	Hydronics Line	TG	Top of Grate
DI	Drain Inlet	INV N	Invert North	TF	Top of Fence
DS	Drainage Swale	INV NE	Invert Northeast	TL	Top of Lid
EMS	Energy Management System	MH	Manhole	TLB	Top of Light Base
E	Electrical Power	MS	Mow Strip	TW	Top of Wall
EJ	Expansion Joint, 1/2"	OC	On Center	Typ.	Typical
F	Fire Protection	P	Pavement	UNO	Unless Noted Otherwise
FD	Floor Drain	P1-P4	Electrical Utility Box	VG	Valley Gutter
FDC	Fire Dept Connection	PIV	Post Indicator Valve	W	Waste

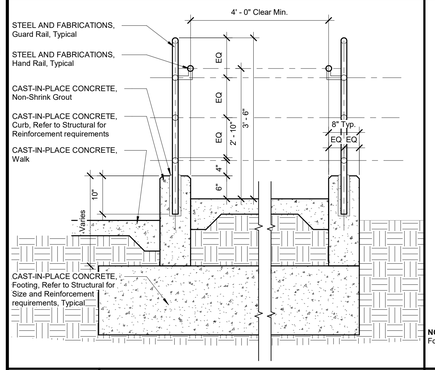
NOTES

1) CAST-IN-PLACE CONCRETE, All Concrete Walk Joints Shall Be Expansion Joints unless otherwise noted. Provide Expansion Joints where walk abuts other site elements. Refer to J7 SD/A10

H18

No Scale

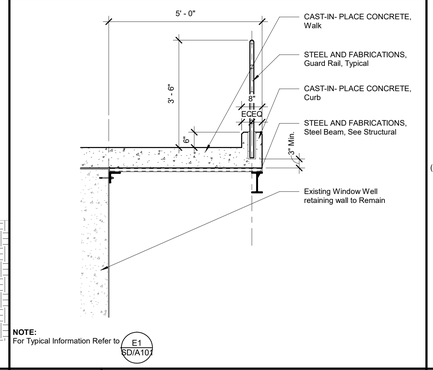
Site Plan Legend



E1

3/4" = 1'-0"

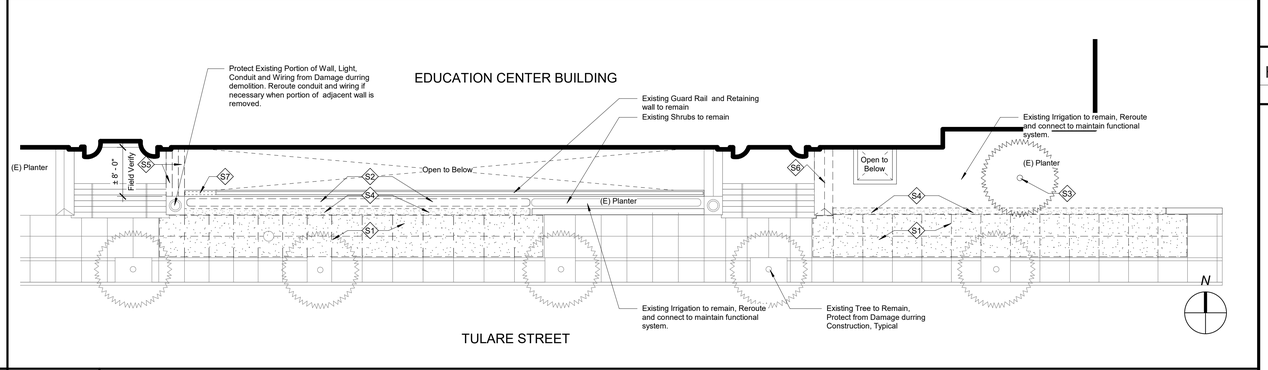
CAST-IN-PLACE CONCRETE, Ramp Section



E4

1/2" = 1'-0"

CAST-IN-PLACE CONCRETE, Ramp Section

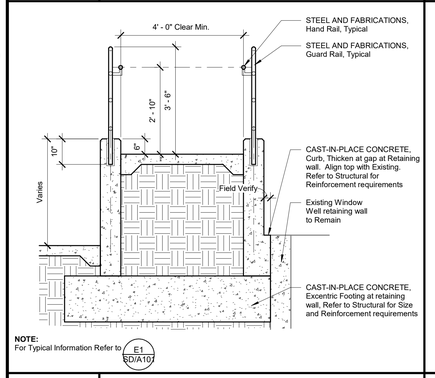


E7

1" = 10'-0"

Refer to J14 for Legend

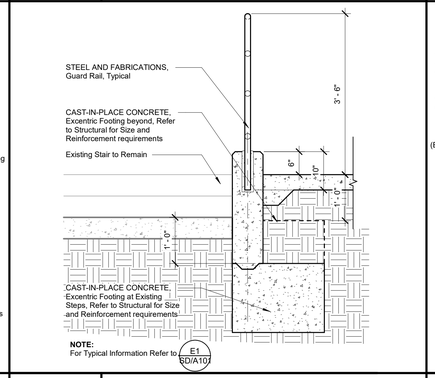
Demolition Site Plan



A1

1/2" = 1'-0"

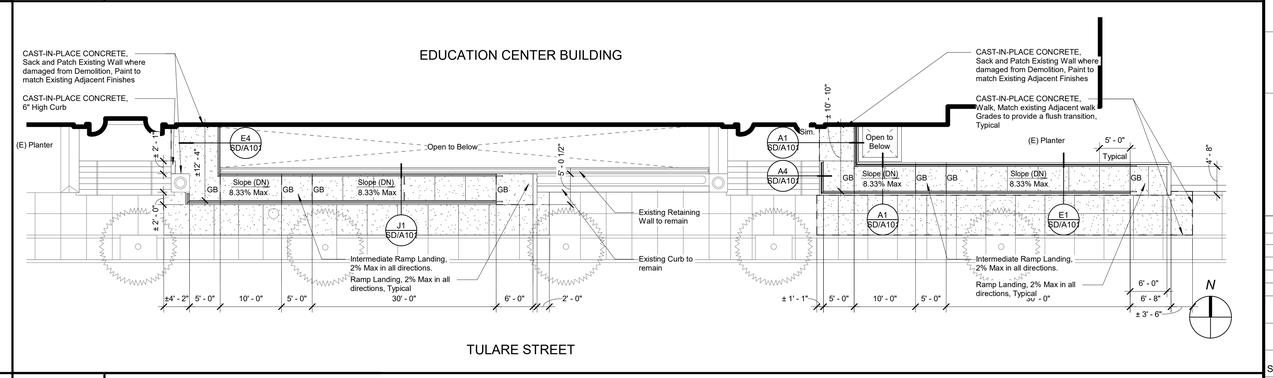
CAST-IN-PLACE CONCRETE, Ramp Section



A4

3/4" = 1'-0"

CAST-IN-PLACE CONCRETE, Curb



A7

1" = 10'-0"

Refer to F18 for Legend

Site Plan

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

DEMOLITION SITE PLAN, SITE PLAN AND DETAILS

Drawing

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LICENSED ARCHITECT ARTURO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed Designer

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Scale: As indicated | Drawn By: Author | Project Numbe 1947.IDA | Checked IChecker | Date: 03/22/2022 | Reviewe Approver

SD/A101

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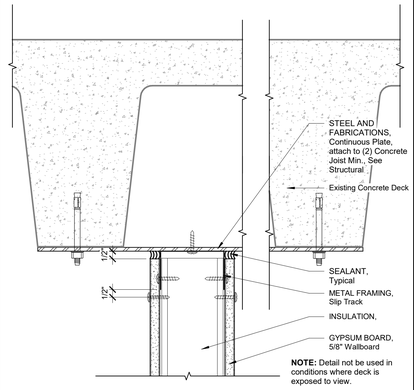
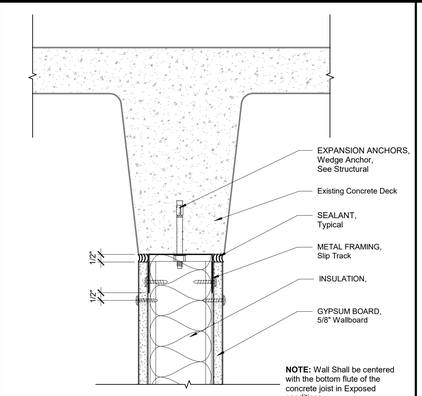
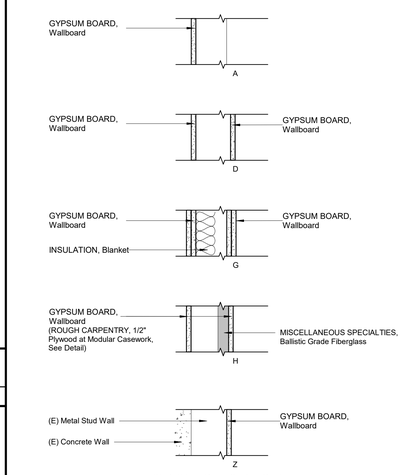


M7	METAL FRAMING, Full Height Wall Parallel to Deck
3" = 1'-0"	

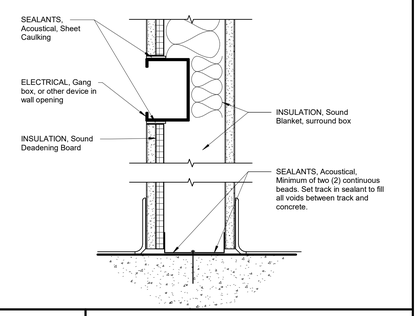


PARALLEL TO DECK

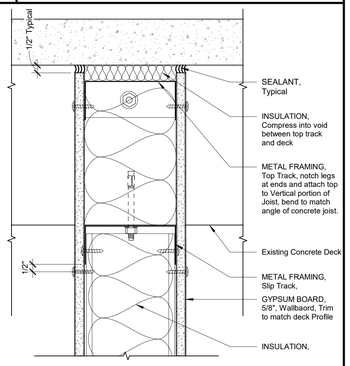
M11	METAL FRAMING, Full Height Wall Parallel to Deck (Exposed Locations)
3" = 1'-0"	



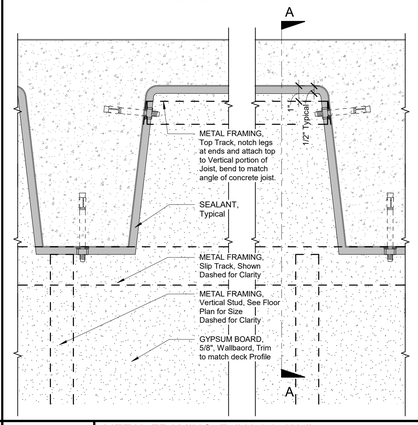
(Verify (E) conditions after demolition)



J11	INSULATION, Wall base and Wall Openings
3" = 1'-0"	



SECTION A-A



A11	METAL FRAMING, Full Height Wall, Perpendicular to Deck
3" = 1'-0"	

A14	Interior Wall Assembly
1 1/2" = 1'-0"	

NOTES

1. These Schedules are provided for the convenience of the Contractor. All conditions and dimensions shall be field verified prior to any fabrication.
2. The intent of these schedules is to indicate the various layers of materials which comprise the different Wall Assembles.
3. Refer to the Exterior Elevations and Exterior Finish Schedule for additional Wall Covering and for Material Finishes.
4. Refer to the Interior Elevations and Interior Finish Schedule for additional Wall Coverings and for Material Finishes.
5. Where Ceramic Tile System are designated, refer to the Finish Schedule and Specification Section for the appropriate Ceramic Tile System.
6. Provide a continuous Thermal Blanket Insulation at all walls designated as Exterior Walls. Refer to the Specification Section for the Insulation Type and location for Installation.
7. Provide a continuous Sound Blanket at walls designated as Interior walls where insulation is indicated as part of Assembly.
8. Refer to Floor Plans for Typical and Special Wall Assemblies References.
9. Refer to the Floor Plans for Walls that are Designated to be Rated Assembles.
10. ACOUSTICAL AND SOUND WALLS:
    - A. Wall Assemblies that are designated as Interior and contains both Sound Blanket and Sound Deadening Board (Sound Walls), Shall have sound treatment per Detail ***XX-X/A101.***
    - B. Wall Assemblies that are designated Acoustical, Shall have acoustical treatment per Detail ***XX-X/A101.***
    - C. Construct Walls per Typical and Special Wall Assemblies. Note the details referenced, show typical single stud construction. Construct special Wall Assembles similarly.
      Non-Bearing Walls:
      1) Connection to Floor or Roof Decks, Refer to Details ***XX-X/A101***
      2) Connection to Framing, Refer to Details ***XX-X/A101***
11. FIRE RATED WALLS.
    - A. Refer to Floor Plans for Fire Resistive Rating of Typical Wall Assemblies and special Wall Assemblies.
    - B. Fire Resistive Construction shall take Precedence over Sound Wall Construction.
    - C. For Sealing Penetrations through Fire-Rated Walls Refer to Detail xx-X/A101.
    - D. FIRE RESISTIVE CONSTRUCTION:
      1. Refer to the Floor Plans for Walls that are Designated to be Rated Assemblies.
      2. Stud size may exceed the minimum, and stud spacing may be less than the maximum stated in the referenced Fire Rated Assemblies. Refer to the Floor Plan Wall Assembly Symbols, Legends and Structural drawings for Stud Size and Spacing.

CBC Design XX-X.X (Table 720)	= Refer to California Building Code, Chapter 7 For Fire Resistive Standards and Notes.
FRDM Design WP-XXXX	= Refer to Gypsum Association Fire Resistive Design Manual for Fire Resistive Standards and Notes.
UL Fire Resistive Design U-4xx	= Refer to Underwriters Laboratories Fire Resistance Directory for Fire Resistive Standards and Notes.

    - E. Construct Walls per Typical and Special Wall Assemblies. Note the details referenced, show typical single stud construction. Construct special Wall Assembles similarly.
      Non-Bearing Walls:
      1) Connection to Floor or Roof Decks, Refer to Details ***XX-X/A101***
      2) Connection to Framing, Refer to Details ***XX-X/A101***
12. Refer to Structural Sheets for Metal Stud Gauges and Lengths.

WALL ASSEMBLY SYMBOLS

Nominal Stud Depth — -#.X- — Wall Assemblies
Location — -X.X- — Stud Material

DEFINITIONS

LOCATION
E = Exterior
I = Interior
A = Acoustical

STUD MATERIAL
W = Wood
M = Metal

NOMINAL STUD DEPTH

	METAL	WOOD
2 =	1 5/8"	1 1/2"
3 =	3 5/8"	2 1/2"
4 =	4"	3 1/2"
6 =	6"	5 1/2"
8 =	8"	7 1/2"
10 =	10"	9 1/4"
9 =		

WALL ASSEMBLIES
See Typical and Special Wall Assemblies Schedules

Special Wall Assemblies. Reserved for Special Construction, i.e., Multi-Stud Assemblies, refer to Special Wall Assembly Schedules

F18	Typical Wall Assemblies Legend
No scale	

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

WALL ASSEMBLIES
Drawing

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LICENSED ARCHITECT ANTONIO J. ALFARO No. C26235 Exp. 10-31-2023 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

Designed By: AC
Drawn By: AC/AF
Checked By: AC
Reviewed By: TA

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Scale: As indicated
Project Numbc1947.IDA
Date: 03/22/2022

X/A101

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Interior Finish Schedule

Room Number	Room Name	Floor Finishes: CAST-IN-PLACE CONCRETE, Concrete Slab	Floor Finishes: CARPET, Modular	Floor Finishes: TILE, Ceramic Tile, SYS-8FA (Conc Sub Floor - Thin Set)	Floor Finishes: (E) HARDWOOD FLOOR	Floor Finishes: HARDWOOD FLOOR, Floor/Stairs	Floor Finishes: (E) TERRAZZO	Base Finishes: RESILIENT BASE AND ACCESSORIES, Rubber Wall Base, 4"	Base Finishes: RESILIENT BASE AND ACCESSORIES, Rubber Wall Base, 6"	Base Finishes: TILE, Ceramic Tile, SYS-RWD (WR Gyp Bd - Thin Set)	Base Finishes: (E) HARDWOOD FLOOR, Base	Base Finishes: (E) Marble Base, 6"	Wall Finishes: (E) VENEER PLASTER, System	Wall Finishes: GYPSUM BOARD, Wallboard, (Texture GB-1)	Wall Finishes: (E) Gypsum Board / Plaster	Wall Finishes: GYPSUM BOARD, Water Resistant, (Texture GB-2)	Wall Finishes: TILE, Ceramic Tile, SYS-RWD (WR Gyp Bd - Thin Set),	Wall Finishes: MILLWORK, Hardwood Panels/Wood	Wall Finishes: (E) Terracotta Tile	Ceiling Finishes: ACOUSTICAL CEILINGS, Suspension System	Ceiling Finishes: VENEER PLASTER, System	Ceiling Finishes: GYPSUM BOARD, Wallboard (Texture GB-1)	Miscellanous Finishes: MILLWORK, Hardwood Trim	Miscellanous Finishes: METAL DOORS AND FRAMES, Doors, Panels and Frames	Miscellanous Finishes: WOOD DOORS	Miscellanous Finishes: STOREFRONTS	Miscellanous Finishes: (E) Painted Decorative Mouldings	Miscellanous Finishes: (E) Windows and Frames	Miscellanous Finishes: ELEVATOR REHABILITATION	Remarks
003	Elevator Lobby	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	8.
004	Elevator	-	FF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	8
100	Elevator Lobby	-	-	-	-	-	PT	-	-	-	-	(E)	-	-	-	-	-	-	DW-2	-	P-1	-	-	-	-	-	-	-	*	2, 8.
101	Corridor	-	-	-	-	-	PT	-	FF	-	-	-	-	-	-	-	-	-	-	-	P-1	-	-	-	-	FF	-	-	-	2
102	Public Lobby	-	-	-	-	-	PT	-	FF	-	-	(E)	-	-	-	-	-	-	FF*	-	P-1	-	-	-	FF	FF	-	M-2*	-	2, 3, 4
103	Elevator	-	FF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.
104	Reception	-	FF	-	-	-	-	-	FF	-	-	-	-	-	-	-	-	-	FF*	-	-	-	-	-	FF	FF	-	-	-	4
105	Vestibule	-	-	-	W-7	W-7	-	-	FF	-	-	-	-	-	-	-	-	-	-	FF	-	-	-	-	FF	FF	-	-	-	6.
105a	Kids' Corner	-	-	-	W-7	-	-	-	FF	-	-	-	-	-	-	-	-	-	-	-	-	DW-1	-	-	-	-	-	-	-	
106	Office	-	FF	-	-	-	-	FF	-	-	-	-	-	-	-	-	-	-	-	FF	-	-	-	-	FF	FF	-	-	-	
107	Office	-	FF	-	-	-	-	FF	-	-	-	-	-	-	-	-	-	-	-	FF	-	-	-	-	FF	FF	-	-	-	
108	Office	-	FF	-	-	-	-	FF	-	-	-	-	-	-	-	-	-	-	-	FF	-	-	-	-	FF	FF	-	-	-	
109	Office	-	FF	-	-	-	-	FF	-	-	-	-	-	-	-	-	-	-	-	FF	-	-	-	-	-	FF	-	-	-	
110	Hallway	-	-	-	W-7	-	-	-	FF	-	-	-	-	-	-	-	-	-	-	FF	-	DW-1	-	-	FF	FF	-	-	-	
111	Workroom/Breakroom	-	-	CT-1	-	-	-	-	FF	-	-	-	-	-	-	-	-	-	-	FF	-	DW-1	-	-	FF	FF	-	-	-	
112	Restroom	-	-	CT-1	-	-	-	-	-	CT-1	-	-	-	-	-	DW-2	CT-2, CT-3	-	-	-	-	DW-2	-	-	FF	-	-	-	-	
113	Conference Room	-	FF	-	-	-	-	-	FF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FF	FF	-	M-2*	-	3
114	Storage	CFS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P-1	-	-	-	-	-	-	-	-	
115	Staff Lobby	-	-	-	-	-	PT	-	-	-	-	(E)	-	-	-	-	-	-	FF*	-	P-1	-	-	-	FF	FF	-	M-2*	-	2, 3, 4
116	HR Reception	-	FF	-	-	-	PT	-	FF	-	-	(E)	-	-	-	-	-	-	FF*	-	P-1	-	-	-	FF	FF	-	-	-	4
117	Office Space	-	-	-	-	-	PT	FF	-	-	-	-	-	-	-	-	-	-	-	FF	-	DW-1	-	-	FF	-	-	M-2*	-	3
118	Corridor	-	-	-	-	-	-	FF*	-	-	-	-	-	-	DW-2*	-	-	-	-	(E)	P-1 *	-	-	-	M-2	FF	-	-	-	7
119	Corridor	-	-	-	W-7	W-7	-	FF*	-	-	-	-	-	-	DW-2	-	-	-	-	(E)	-	DW-1	-	-	M-2	FF	FF	-	-	-	7
120	Payroll	-	FF*	-	-	-	-	FF*	-	-	-	-	-	DW-2*	-	-	-	-	-	-	-	-	-	-	M-2	FF	-	-	-	5., 6., 7, 10.
121	HVAC	CFS	-	-	W-7	-	-	FF	-	-	-	-	-	-	DW-2	-	-	-	-	-	P-1	-	-	-	M-2	-	-	-	-	6.
202	Lobby	-	FF	-	-	-	-	-	FF	-	-	(E)	-	DW-2	-	-	-	-	-	-	-	-	-	-	M-2	-	-	-	-	
203	Elevator Lobby	-	FF	-	-	-	-	-	-	-	-	(E)	-	DW-2	-	-	-	-	W-6	FF	-	-	-	-	-	-	-	M-2*	*	8
204	Elev.	-	FF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	8
205	Elec.	CFS	-	-	-	-	-	FF	-	-	-	-	-	-	DW-2	-	-	-	-	-	-	-	-	-	-	M-2	-	-	-	
206	Boardroom	-	FF	-	-	W-7	-	-	FF	-	(E)	-	P-2	-	DW-2	-	-	-	W-6*	-	-	-	-	-	W-6*	M-2	-	W-2*	-	1, 9
213	Reception	-	FF	-	-	-	-	FF	-	-	-	-	-	-	DW-2	-	-	-	-	-	-	-	-	-	-	M-2	-	-	-	
215	Corridor	-	FF	-	-	-	-	-	FF	-	-	-	-	-	DW-2	-	-	-	-	-	-	-	-	-	-	M-2	-	-	-	
219	Corridor	-	FF	-	-	-	-	-	FF	-	-	-	-	DW-2	DW-2	-	-	-	-	-	-	-	-	-	-	M-2	FF	-	-	
302	Elevator Lobby	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	8

ABBREVIATIONS

AESS = Architectural Exposed Structural Steel
AFP = Acrylic Floor Finish
CCC = Clear Curing Compound
CFS = Clear Floor Sealer
CFH = Clear Floor Hardener
CWR = Colored Water Resistant Finish
CT# = Ceramic Tile Type
FF = Factory Finish
Refer to Reflected Ceiling Plan for Acoustic Ceiling Tile Type
GL = Gloss Level
GGL = Grind Grade Level
GS = Grout Sealer
PT = Polish Terrazzo
RWF = Resilient Wood Floor
RF# = Resinous Floor Type
* = Refer To Remarks

Interior Paint Finishes:

Refer To Specification Section - PAINTING
CB# = Concrete or Concrete Masonry Units
DW# = Gypsum Board Finish
P# = Cement Plaster, Veneer Plaster or Gypsum Plaster Finish
M# = Metal Finish
W# = Woodwork Finish
X# = Special Finishes

NOTES

1. Refer to appropriate Specification Sections for Materials, Systems and Types.
2. All Details, Materials and Finishes shall be considered "Typical" for all similar conditions, Unless Otherwise Noted.
3. Do not paint Fire Rated Door and Frame Rating Plates.
4. Where changes in Floor Materials occur, refer to detail (E14 / X/A431)
5. Refer to Interior Elevations for additional information.
6. This Schedule is provided for the convenience of the Contractor. Field verify all conditions and dimensions prior to fabrication, installation or application.
7. See Interior Color Schedule for Finish / Material Colors.
8. Gypsum Board Textures indicated are for areas exposed to view. Areas above ceilings shall be GB5, Unless Otherwise Noted. Refer to Specifications for appropriate locations of other textures.
9. VAPOR-ALKALINITY CONTROL: Apply Vapor-Alkalinity Control Membrane System at all concrete slab areas scheduled to receive applied floor covering that are sensitive to and have requirements for limits of vapor transmission and pH levels."
10. Float and texture (E) Wall to remain where Wall Protection, Wall covering or Vinyl Covered Tack Board was removed during Demolition, UNO. Prepare Surface Per Specification Section PAINTING.
11. All finish material shall meet VOC and Formaldehyde limits per CGBSC Section 5.504.4.
12. All Miscellaneous exposed to view Metal, Mechanical, Plumbing, Electrical Items, and (E) and New Access Doors and Frames shall receive a M-2 Finish, UNO. Paint to match color of adjacent finish.

REMARKS

1. Verify material of Painted Decorative Mouldings at Ceiling prior to painting.
2. (E) PORTLAND CEMENT TERRAZZO FLOORING, Remove (E) Acrylic/Wax Floor Finish where occurs. Finish per Specifications Section PORTLAND CEMENT TERRAZZO FLOORING.
3. (E) Window Frames and Moulding. Clean and Prepare Surface per Specification Section PAINTING prior to commencement of work. Verify (E) Material and coordinate with Interior Paint Finishes Schedule outlined in Specification Section PAINTING. Doors, Windows, Frames, Trim and Mouldings to be a semi-gloss finish.
4. (E) Tarracotta Wall Tile, Clean Tile and Grout. Patch to match with full size tile with Salvaged tile where damaged. Match Grout color after cleaning.
5. CARPET / RESILIENT BASE AND ACCESSORIES, Rubber Base, Patch to Match (E) where removed during Demolition.
6. GYPSUM BOARD, where Wall Covering/Wall Protection/Wood Paneling were previously removed, install 1/4" Gypsum Full height (UNO) to inside corner and texture to match (E) adjacent wall texture.
7. Finishes indicated with (*) are to occur at New Work or where (E) is effected by demolition/new work, Installation/Application is to extend to (E) Work where required to finish to an inside corner.
8. ELEVATOR REHABILITATION, refer to Specification Section ELEVATOR REHABILITATION for Scope of Work.
9. ADD ALTERNATE #1: Clean, Strip and refinish (E) Wood Wainscot and Trim. Stain color to match Architects sample.
10. Room 120 Payroll, Finishes to be applied at New Work at South Wall and Demo'd floor area Existing area affected by demolition work shall be patched and repaired to match Existing construction.

J1 — Interior Finish Schedule
No Scale
Refer to J14-X/A201 for Notes

J14 — Interior Finish Schedule Legend
No Scale

SITE DEVELOPMENT

MATERIAL	FINISH	REMARKS
CAST-IN-PLACE CONCRETE		
Curbs	Natural Cast Concrete	
Walks, Platforms, Steps, Ramps	Broom Finish	
STEEL AND FABRICATION		
Handrail and Brackets, Pipe Guard Rails	Hot Dipped Galvanized after Fabrication	

A1 — Exterior Finish Schedule
No Scale
Refer to A14-X/A201 for Notes

ABBREVIATIONS:

F.F. = Factory Finish

Exterior Paint Finishes:
Refer to Specification Section - PAINTING
ECB-x = Concrete or Concrete Masonry Units
X-x = Specialty Finish
EM-x = Exterior Metal Finish
EW-x = Exterior Wood Finish
EP-x = Cement Plaster

NOTES:

1. Refer to Appropriate Specification Sections for Materials and Systems
2. All Details, Material and Finishes Shall be Considered "Typical" for all Similar Conditions Unless Noted Otherwise
3. Refer to Exterior Elevations for extent of materials and finishes, Includes Backs of Parapets, Typical

REMARKS

1 Do not paint Mechanical Units Condensing Coils and Name Plates.

A14 — Ext. Fin. Schedule Legend
No Scale

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

INTERIOR AND EXTERIOR FINISH SCHEDULE
Drawing

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

Designed Designer
Drawn By: Author
Checked fChecker
Reviewed Approver
Scale: As indicated
Project Numbc1947.IDA
Date: 03/22/2022

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X/A201

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Casework Schedule

Floor	Room No	Group No.	Description	Catalog No.	No Req'd	Length	Height	Depth	Remarks
First Floor	102	a 104	Desk	Custom	1				2
First Floor	102	b 104	Solid Surface Window Sill	Custom	1	4' - 0"	0' - 1 1/4"	0' - 7 1/8"	6
First Floor	102	c 104	Solid Surface Window Sill	Custom	1	4' - 0"	0' - 1 1/4"	0' - 7 1/8"	6
First Floor	104	a 104	Base Cabinet w/ Drawers	230	1	1' - 3"	2' - 4 1/2"	2' - 0"	
First Floor	104	a 104	Base Cabinet w/ Drawers	230	2	1' - 6"	2' - 4 1/2"	2' - 0"	
First Floor	105a	a 105A	Tall Storage Cabinet	423M	1	2' - 0"	7' - 0"	2' - 0"	3
First Floor	111	a 111	Base Cabinet w/ ADA Plumbing Cover	158M	1	3' - 0"	2' - 8 1/2"	2' - 0"	4
First Floor	111	a 111	Base Cabinet w/ Drawers	211	1	1' - 8"	2' - 8 1/2"	2' - 0"	
First Floor	111	a 111	Base Cabinet w/ Drawers	212	1	2' - 6"	2' - 8 1/2"	2' - 0"	
First Floor	111	a 111	Base Cabinet w/ Drawers	230	1	1' - 6"	2' - 8 1/2"	2' - 0"	
First Floor	111	a 111	Wall Hung Cabinet	301	1	1' - 6"	2' - 8"	1' - 2"	
First Floor	111	a 111	Wall Hung Cabinet	301	2	1' - 8"	1' - 0"	1' - 2"	
First Floor	111	a 111	Wall Hung Cabinet	301	1	1' - 8"	2' - 8"	1' - 2"	
First Floor	111	a 111	Wall Hung Cabinet	302	1	2' - 6"	2' - 8"	1' - 2"	
First Floor	111	a 111	Wall Hung Cabinet	302	1	3' - 0"	2' - 8"	1' - 2"	
First Floor	111	a 111	Counter Top	-	1		2' - 10"	2' - 1"	
First Floor	111	b 111	Wall Hung Cabinet	301	2	2' - 0"	2' - 2"	1' - 2"	
First Floor	113	a 113	Solid Surface Window Sill	Custom	2	4' - 0"	0' - 1 1/4"	0' - 7 1/8"	6
First Floor	115	a 115	Counter Top	-	2		2' - 10"	1' - 5 17/32"	
First Floor	115	b 115	Solid Surface Window Sill	Custom	2	4' - 0"	0' - 1 1/4"	0' - 7 1/8"	6
First Floor	116	a 116	Desk	Custom	1				5
First Floor	116	a 116	Base Cabinet w/o Drawers	100	1	2' - 6"	2' - 4 1/2"	2' - 0"	
First Floor	116	a 116	Base Cabinet w/ Drawers	230	2	1' - 3"	2' - 4 1/2"	2' - 0"	
First Floor	116	a 116	Base Cabinet w/ Drawers	230	1	1' - 6"	2' - 4 1/2"	2' - 0"	
First Floor	117	a 115	Solid Surface Window Sill	Custom	1	4' - 0"	0' - 1 1/4"	0' - 7 1/8"	6
First Floor	120	a 120	Base Filler / Counter Support	Custom	1	3' - 0"	2' - 8 1/2"	2' - 0"	8
First Floor	120	a 120	Base Cabinet w/ Drawers	222	1	2' - 6"	2' - 8 1/2"	2' - 0"	
First Floor	120	a 120	Base Cabinet w/ Drawers	222	1	3' - 0"	2' - 8 1/2"	2' - 0"	
First Floor	120	a 120	Counter Top	-	1		2' - 10"	2' - 1"	Quartz
Second Floor	203	a 203	Solid Surface Window Sill	Custom	1	6' - 2 1/2"	0' - 1 1/4"	0' - 7 1/2"	6
Second Floor	206	a 206	Solid Surface Window Sill	Custom	2		0' - 1 1/4"	0' - 5 3/4"	6
Second Floor	206	b 206	Solid Surface Window Sill	Custom	1	4' - 3 3/4"	0' - 1 1/4"	0' - 5 3/4"	6
Second Floor	206	c 206	Desk	Custom	1	31' - 2"	4' - 8"	4' - 6"	7
Second Floor	206	d 206	Mobile Lectern	Custom	1	2' - 11"	4' - 0"	1' - 8 1/2"	9
Second Floor	206	e 206	Table	Custom	3	5' - 0"	2' - 5"	2' - 0"	10

TYPICAL NOTES

1. This schedule is provided for the convenience of the contractor. field verify all conditions and dimensions prior any fabrication
2. Schedule dimensions shall be considered nominal.
3. See Sheet X/A310 - X/A312 for casework attachment and details.
4. All details, materials, and finishes shall be considered typical for all similar conditions unless noted otherwise.
5. W.I. Number cabinet designs with suffix "M" shall be modified as indicated or detailed.
6. Provide all filler pieces, scribe strips, flush panels and closures, matching modular cabinetwork, required to complete cabinetwork assemblies and close the finish surfaces.
7. Provide cabinet door and drawer locks at all cabinets unless noted otherwise.
8. All base cabinets, counters and desks shall have countertops constructed in accordance with the Architectural Woodwork Institute of Architectural Woodwork Standards, Section 11 for custom grade as modified by Specification Section 06 41 23, MODULAR CASEWORK, unless noted otherwise.

   P = premium grade
   E = economy grade
   C = custom grade
9. All cabinets shall be constructed in accordance with the Architectural Woodwork Institute of Architectural Woodwork Standards, Section 10 for custom grade as modified by Specification Section 06 41 23, MODULAR CASEWORK, unless noted otherwise.
10. All countertops shall be have Butt Back and End Splashes, unless noted otherwise. Refer to interior elevations for splash heights which may vary in height. Align splashes with other materials, if shown to be aligned.
11. Base cabinet counter heights shall not exceed 34" in height, unless otherwise noted for undercounter equipment which requires at 36" counter height. In the event the interior elevations or cabinet schedule indicate a 36" counter height, the actual height shall be verified prior to and fabrication.
12. See MODULAR CASEWORK specification for shelves, typical.

REMARKS

1. NOT USED.
2. MODULAR CASEWORK, Custom Reception Desk, Refer to Detail J1 X/A311
3. Modification: Omit (1) Door to create open shelves below and (1) enclosed cabinet above. Refer to Interior Elevations.
4. Modification: MODULAR CASEWORK, Accessible Lavatory, Refer to Detail E4 X/A310 for modifications.
5. MODULAR CASEWORK, Custom Reception Desk, Refer to Detail A1 X/A311
6. MODULAR CASEWORK, Solid Surface Sills, Refer to Detail J4 X/A310 Verify Length and Width indicated with Existing Conditions
7. MODULAR CASEWORK, Custom Dias Desk, Refer to Detail G1 X/A312
8. MODULAR CASEWORK, Base Filler / Counter Suport, to be designed around column and provide support to adjacent Counter Top. Verify (E) conditions prior to fabrication.
9. MODULAR CASEWORK, Mobile Lectern, Refer Detail M11 X/A313 Typ
10. MODULAR CASEWORK, Table, Refer Detail G1 X/A313 Table adjacent to Podium to have Power Device with 10'-0" Power Cord.

H18 — Casework Schedule Legend
No Scale

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

MODULAR CASEWORK SCHEDULE
Drawing

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LICENSED ARCHITECT ARSENIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

Designed Designer
Drawn By: Author
Checked IChecker
Reviewe Approver

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Scale: 1/8" = 1'-0"
Project Numbe 1947.IDA
Date: 03/22/2022

X/A301

A1 — Modular Casework Schedule

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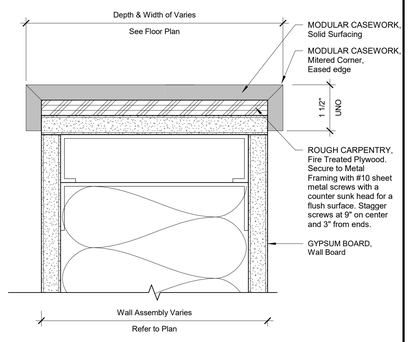
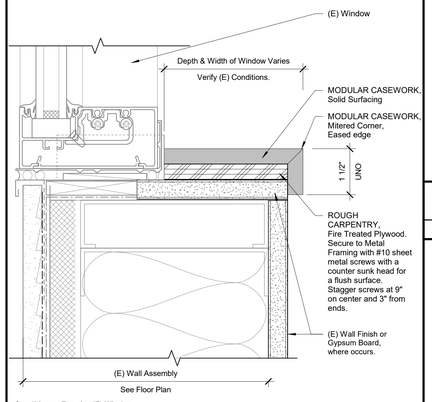


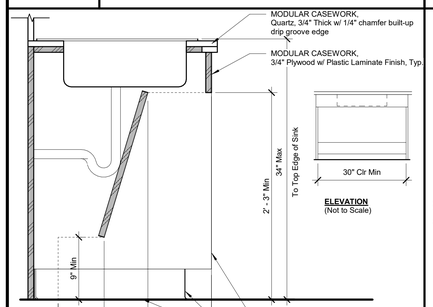
Condition at Parital Height Wall



Condition at Exterior (E) Window

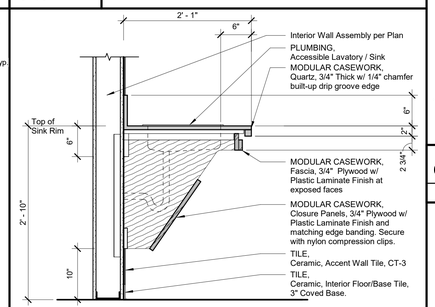
J4 — MODULAR CASEWORK, Soild Surface Sill

6" = 1'-0"



ELEVATION
(Not to Scale)

SECTION THRU SINK



SECTION AT ACCESSIBLE SINK / LAV.

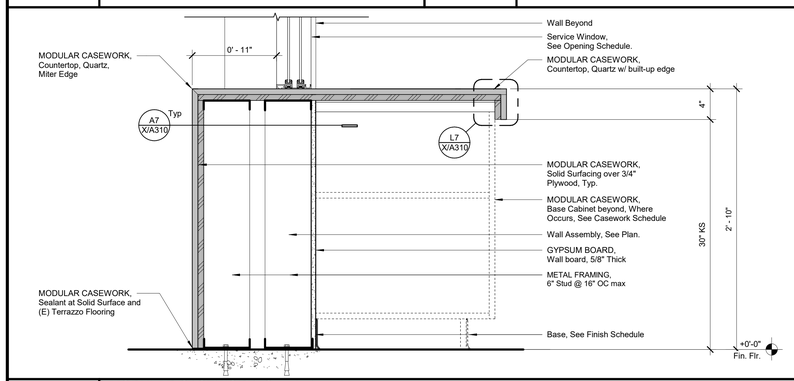
Provide knee and toe clearances, as indicated and required by CBC Code Section 11B-306.3

E1 — MODULAR CASEWORK, Cabinet, Accessible Sink Base

1 1/2" = 1'-0"

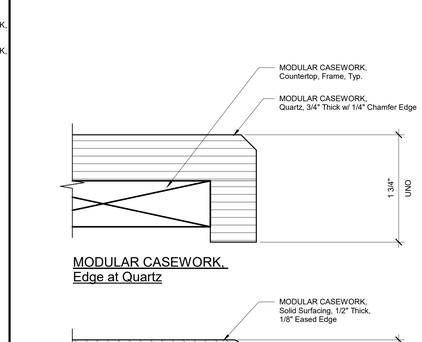
E4 — MODULAR CASEWORK, Accessible Lavatory

1" = 1'-0"

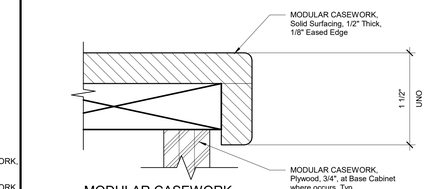


A1 — MODULAR CASEWORK, Countertop at Service Window

1 1/2" = 1'-0"



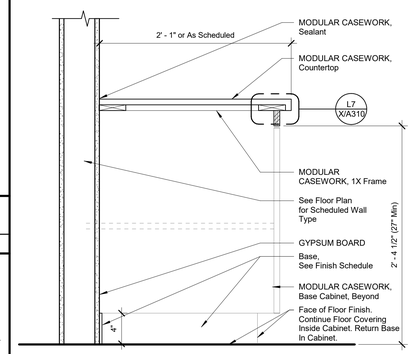
MODULAR CASEWORK, Edge at Quartz



MODULAR CASEWORK, Edge at Solid Surfacing

L7 — MODULAR CASEWORK, Edge Details

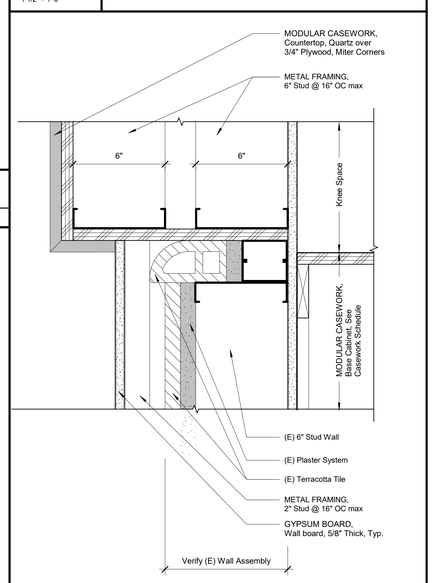
12" = 1'-0"



SECTION THRU OPEN KNEE SPACE

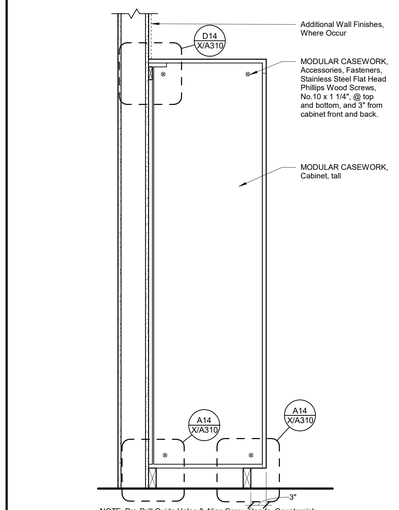
G7 — MODULAR CASEWORK, Detail, Knee Space

1 1/2" = 1'-0"



A7 — MODULAR CASEWORK, Countertop at Service Window

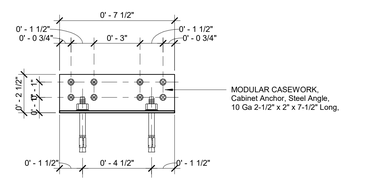
3" = 1'-0"



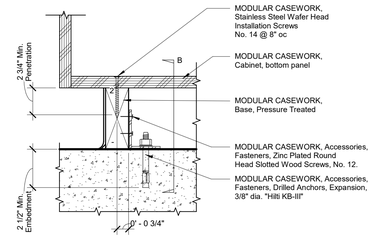
NOTE: Pre-Drill Guide Holes & Align Screw Heads. Countersink Screw Head Flush With Laminate Finish. Do Not Over Drive

L11 — Modular Casework, Cabinet, Tall

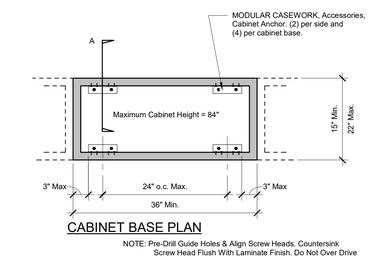
1" = 1'-0"



SECTION "B"



SECTION "A"

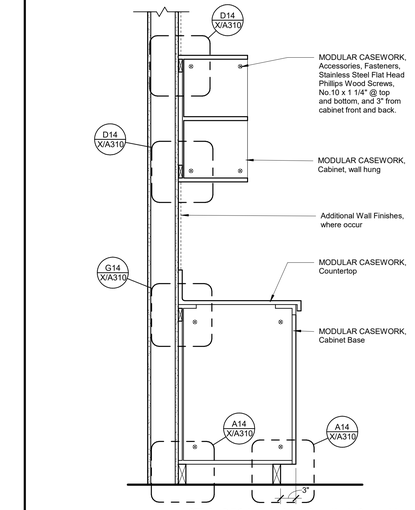


CABINET BASE PLAN

NOTE: Pre-Drill Guide Holes & Align Screw Heads. Countersink Screw Head Flush With Laminate Finish. Do Not Over Drive

A4 — MODULAR CASEWORK, Cabinet Base Anchorage

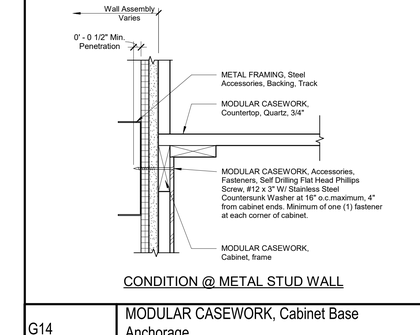
3" = 1'-0"



NOTE: Pre-Drill Guide Holes & Align Screw Heads. Countersink Screw Head Flush With Laminate Finish. Do Not Over Drive

L14 — Modular Casework, Cabinet, Wall Hung & Base

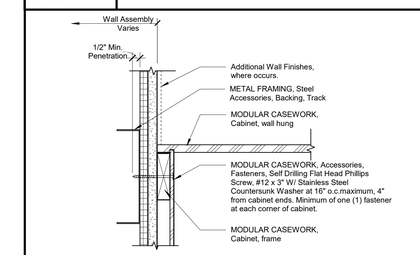
1" = 1'-0"



CONDITION @ METAL STUD WALL

G14 — MODULAR CASEWORK, Cabinet Base Anchorage

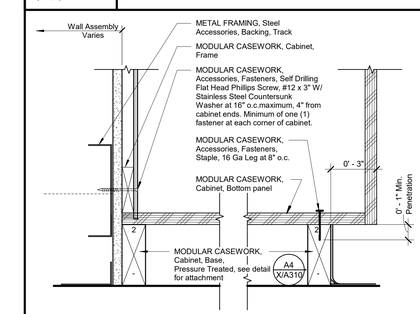
3" = 1'-0"



CONDITION @ METAL STUD WALL

D14 — MODULAR CASEWORK, Cabinet Wall Hung Anchorage

3" = 1'-0"



CONDITION AT METAL STUD WALL

A14 — MODULAR CASEWORK, Cabinet Base Anchorage

3" = 1'-0"

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

MODULAR CASEWORK DETAILS- TYPICAL

Drawing

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LICENSED ARCHITECT ANTONIO J. ALVAREZ No. C26235 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed By: AF
Drawn By: AF
Checked By: AC
Reviewed By: TA

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Scale: As indicated
Project Numbe1947.IDA
Date: 03/22/2022

X/A310

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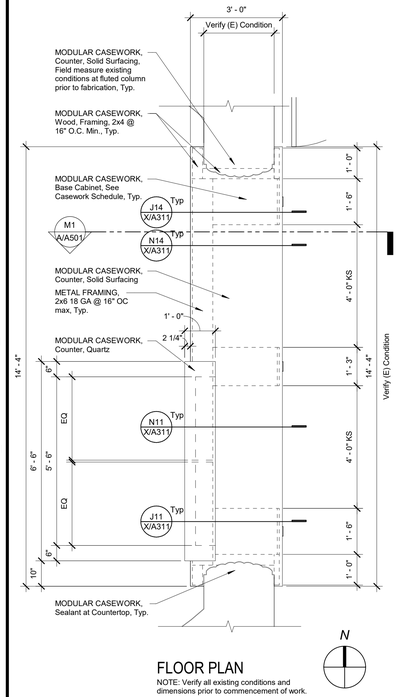
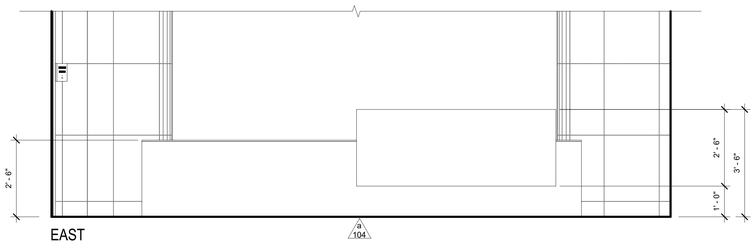


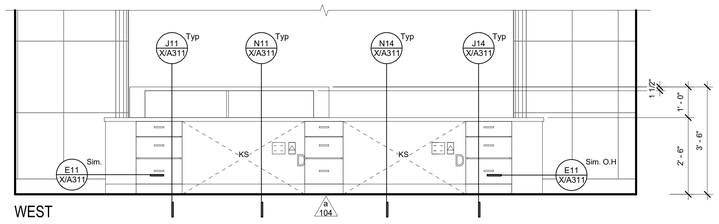
FLOOR PLAN

NOTE: Verify all existing conditions and dimensions prior to commencement of work.

N

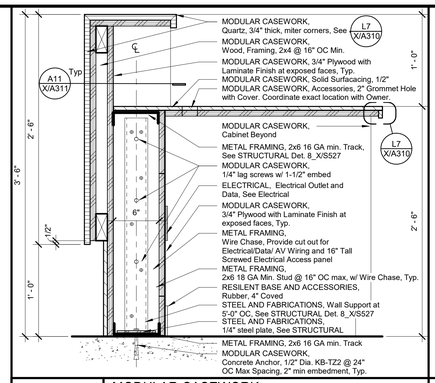


EAST

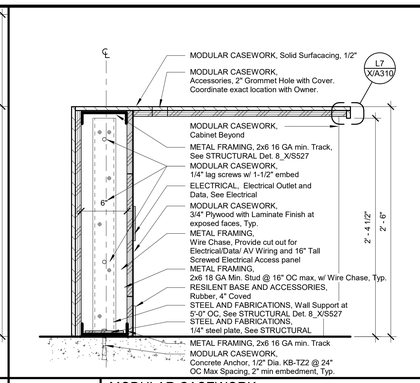


WEST

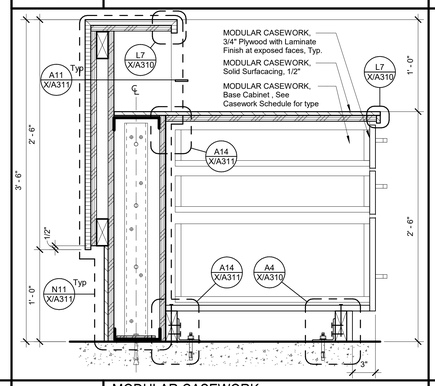
J1	Custom Casework - a104
1/2" = 1'-0"	Refer to Casework Schedule



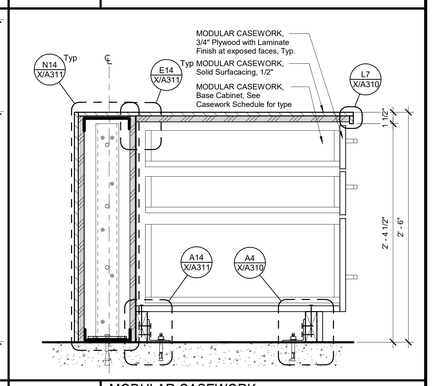
N11	MODULAR CASEWORK, Knee Space at Transaction Counter
1 1/2" = 1'-0"	



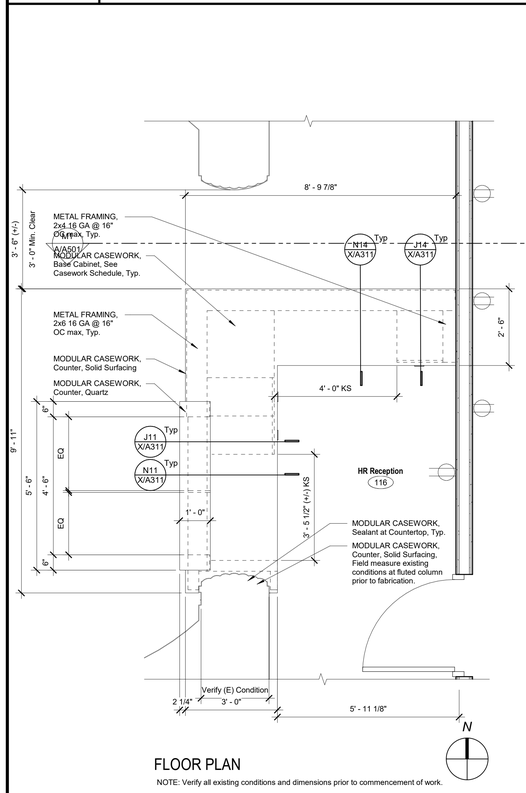
N14	MODULAR CASEWORK, Knee Space
1 1/2" = 1'-0"	



J11	MODULAR CASEWORK, Base Cabinet at Transaction
1 1/2" = 1'-0"	Refer to N11-X/A311 for additional information.



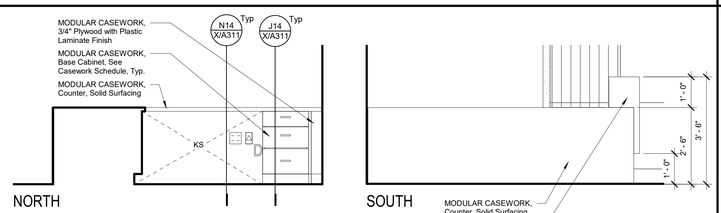
J14	MODULAR CASEWORK, Base Cabinet at Transaction
1 1/2" = 1'-0"	Refer to N14-X/A311 for additional information.



FLOOR PLAN

NOTE: Verify all existing conditions and dimensions prior to commencement of work.

N

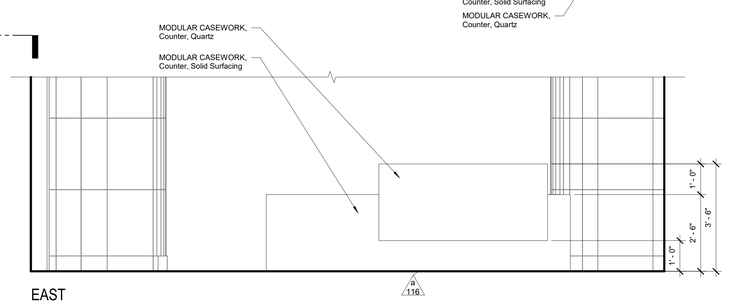


NORTH

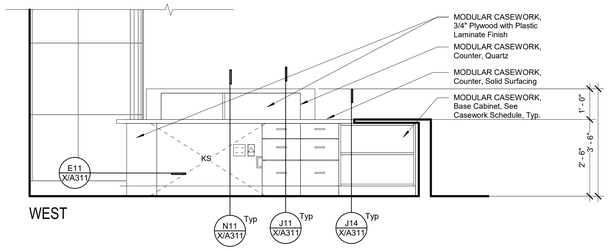
SOUTH

MODULAR CASEWORK, Counter, Solid Surfacing

MODULAR CASEWORK, Counter, Quartz

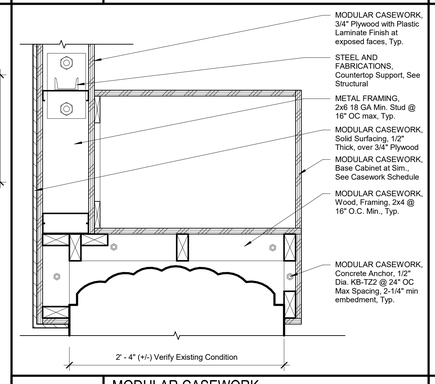


EAST

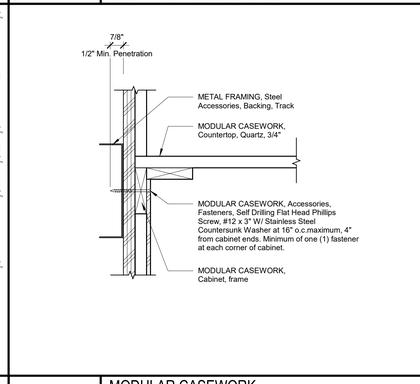


WEST

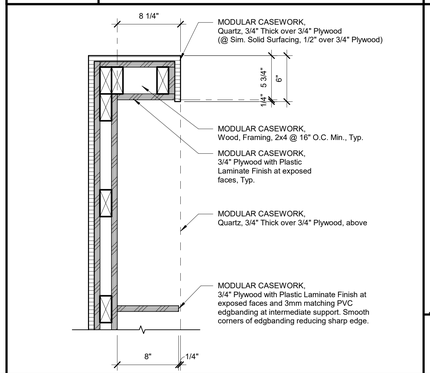
A1	Custom Casework - a116
1/2" = 1'-0"	Refer to Casework Schedule



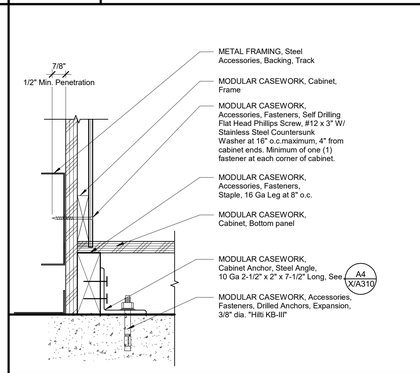
E11	MODULAR CASEWORK, Detail at Base
1 1/2" = 1'-0"	



E14	MODULAR CASEWORK, Base Cabinet Anchorage
3" = 1'-0"	



A11	MODULAR CASEWORK, Detail at Transaction
1 1/2" = 1'-0"	



A14	MODULAR CASEWORK, Base Cabinet Anchorage at Base
3" = 1'-0"	

General Notes

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

MODULAR CASEWORK DETAILS- a104, a116

Drawing

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LICENSED ARCHITECT ARTHUR J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

		Designed By: AF	Copyright 2022 Darden Architects
Scale:	As indicated	Drawn By: AF	X/A311
Project Numbc1947.IDA		Checked By: AC	
Date:	03/22/2022	Reviewed By: TA	

3/31/2022 2:29:58 PM
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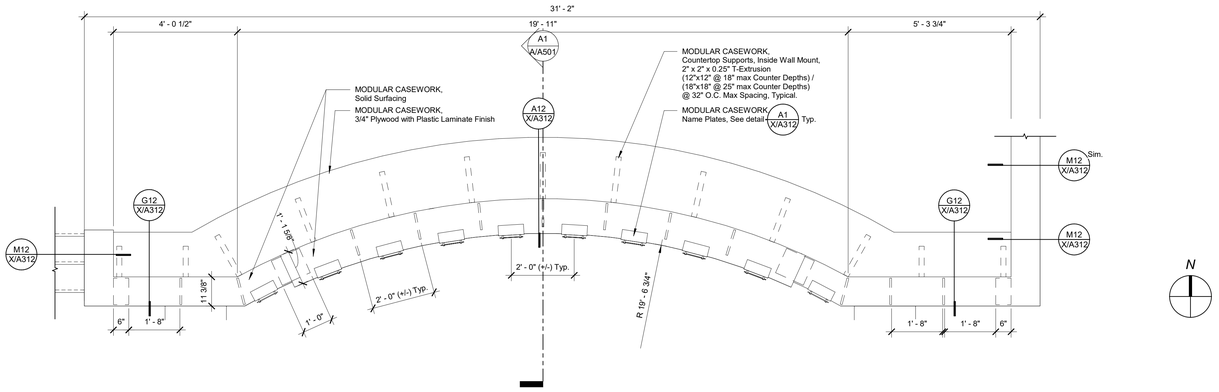
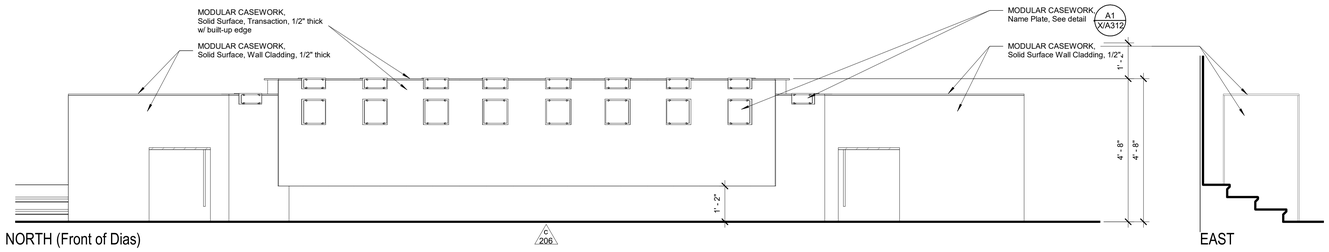
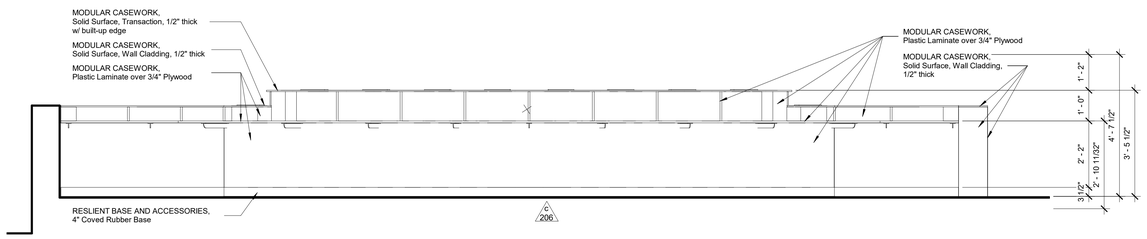
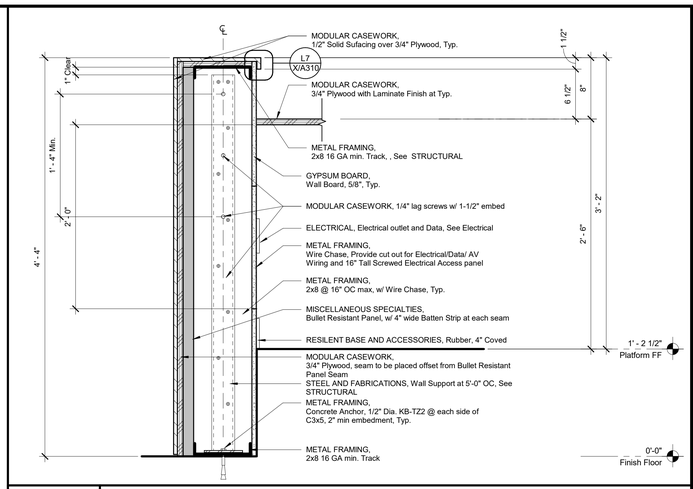


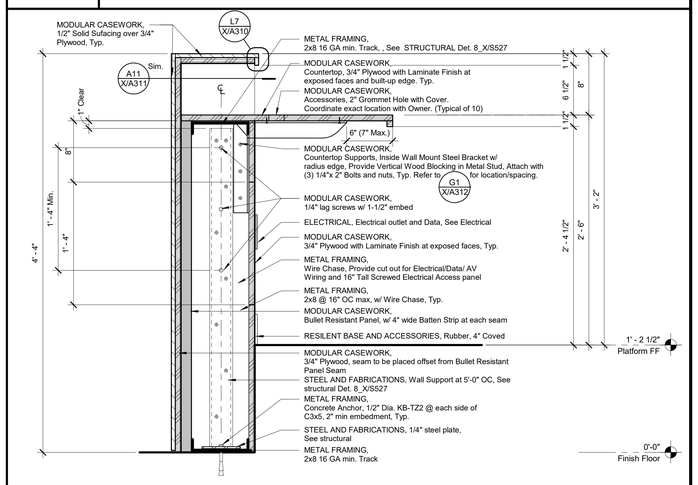




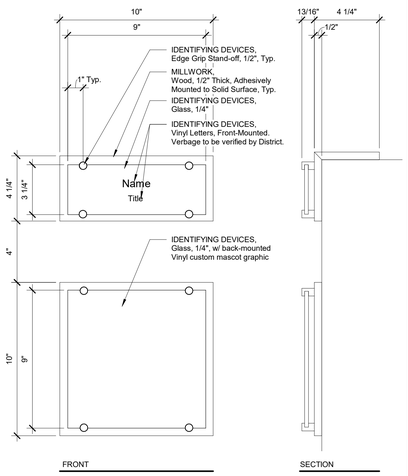
G1 — Custom Casework - c206
1/2" = 1'-0"



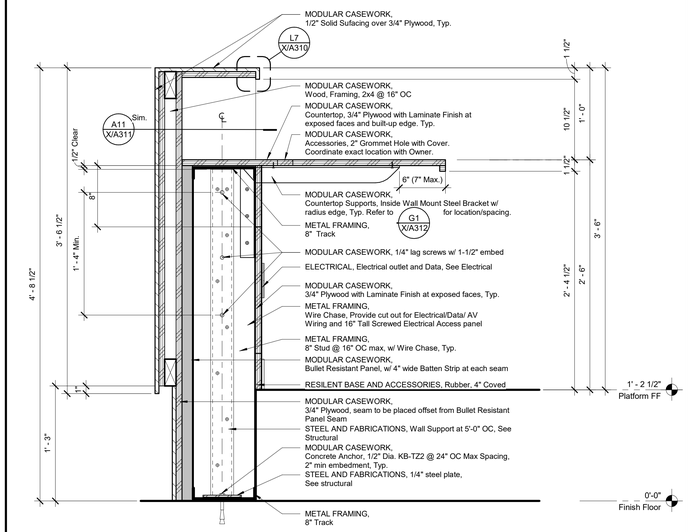
M12 — MODULAR CASEWORK, Detail
1 1/2" = 1'-0"



G12 — MODULAR CASEWORK, Detail
1 1/2" = 1'-0"



A1 — MODULAR CASEWORK,
Detail, Name Plate
3" = 1'-0"



A12 — MODULAR CASEWORK, Detail
1 1/2" = 1'-0"

General Notes

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

MODULAR CASEWORK DETAILS- b206

Drawing

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LICENSED ARCHITECT ARVIND J. AVVARI No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: AF	Copyright 2022 Darden Architects
Scale: As indicated	Drawn By: AF	X/A312
Project Numbc1947.IDA	Checked By: AC	
Date: 03/22/2022	Reviewed By: TA	

3/31/2022 2:30:02 PM
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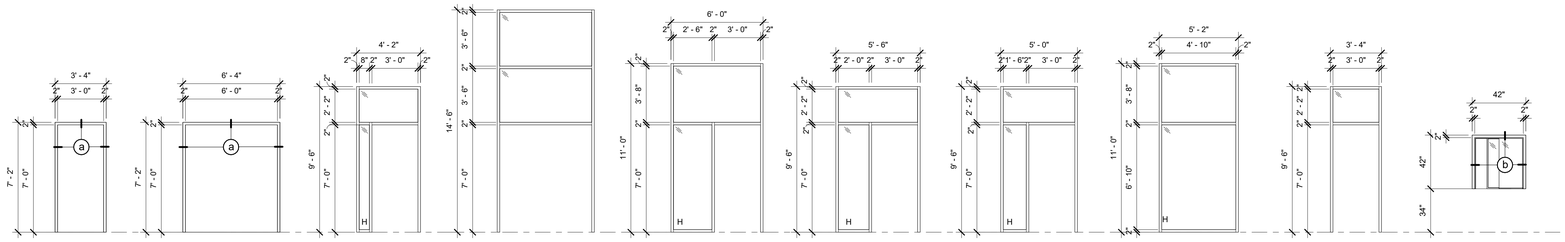


NOTE:
1. See Opening Schedule for type.

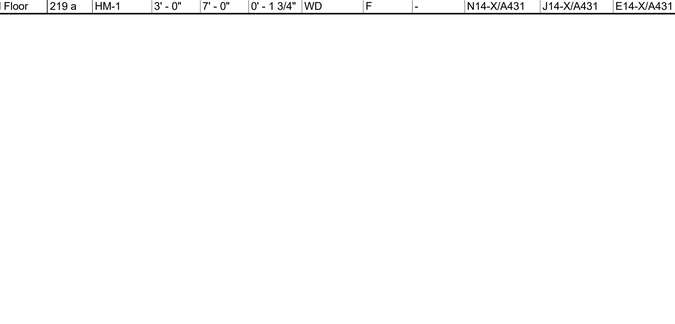
N1 Frame Types

No Scale

.

J1 Hollow Metal Frame Details

3" = 1'-0"



J10 Door Types

No Scale

.

Opening Schedule Window

Level	Window No.	Frame Type	Size Width	Size Height	Material	Head	Jamb	Sill	Glazing Type	Fire Rating	Comments
First Floor	100 a	(E)	3' - 4"	14' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	5
First Floor	102 a	(E)	5' - 4"	14' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	5
First Floor	102 b	(E)	4' - 0"	10' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	4, 5
First Floor	102 c	(E)	4' - 0"	10' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	4, 5
First Floor	113 a	SF-6	5' - 2"	11' - 0"	AL						6
First Floor	113 c	(E)	4' - 0"	10' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	4, 5
First Floor	113 d	(E)	4' - 0"	10' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	4, 5
First Floor	115 a	SW-1	3' - 6"	3' - 6"	AL						
First Floor	115 b	SW-1	3' - 6"	3' - 6"	AL						
First Floor	115 c	(E)	5' - 4"	14' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	5
First Floor	115 f	(E)	4' - 0"	10' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	4, 5
First Floor	115 g	(E)	4' - 0"	10' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	4, 5
First Floor	116 b	(E)	4' - 0"	10' - 6"	(E)	(E)	(E)	(E)	(E)	(E)	4, 5
Second Floor	203 a	(E)	6' - 2"	15' - 0"	(E)	(E)	(E)	(E)	(E)	(E)	4, 5
Second Floor	206 d	(E)	4' - 2"	13' - 9"	(E)	(E)	(E)	(E)	(E)	(E)	5
Second Floor	206 e	(E)	4' - 2"	13' - 9"	(E)	(E)	(E)	(E)	(E)	(E)	5
Second Floor	206 f	(E)	4' - 2"	13' - 9"	(E)	(E)	(E)	(E)	(E)	(E)	5
Second Floor	206 g	(E)	4' - 2"	13' - 9"	(E)	(E)	(E)	(E)	(E)	(E)	5
Second Floor	206 g	(E)	4' - 2"	13' - 9"	(E)	(E)	(E)	(E)	(E)	(E)	5
Second Floor	206 h	(E)	4' - 2"	13' - 9"	(E)	(E)	(E)	(E)	(E)	(E)	5

NOTE: Existing Windows are shown to indicate location of SHADES and MODULAR CASEWORK, Solid Surface Sills. Verify Existing size prior to fabrication. See Comments.

A1 Window Schedule

No Scale

.

Opening Schedule Door

Level	Door No.	Frame Type	Size Width	Size Height	Size Thickness	Door Material	Door Type	Glass Type	Head	Jamb	Threshold	Hardware Group	Comments
First Floor	100 b	Existing	3' - 6"	7' - 0"	0' - 2"	AL	Existing	Existing	-	-	-	Existing Panic Device	
First Floor	101 a	SF-2	6' - 0"	7' - 0"	0' - 2"	AL	P1G	C-1T	N11-X/A431	J11-X/A431	E14-X/A431	222HO	3
First Floor	101 b	SF-2	6' - 0"	7' - 0"	0' - 2"	AL	P1G	C-1T	N11-X/A431	J11-X/A431	E14-X/A431	222HO	
First Floor	102 a	Existing	5' - 0"	7' - 0"	0' - 2"	AL	Existing	Existing	-	-	-	Existing Panic Device	
First Floor	104 a	SF-3	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N11-X/A431	J11-X/A431	E14-X/A431	53C	
First Floor	105 a	HM-1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N14-X/A431	J14-X/A431	E14-X/A431	22C	3
First Floor	106 a	SF-1	3' - 0"	7' - 0"	0' - 2"	AL	1G	C-1T	N11-X/A431	J11-X/A431	E14-X/A431	53C	3
First Floor	107 a	SF-1	3' - 0"	7' - 0"	0' - 2"	AL	1G	C-1T	N11-X/A431	J11-X/A431	E14-X/A431	53C	3
First Floor	108 a	SF-1	3' - 0"	7' - 0"	0' - 2"	AL	1G	C-1T	N11-X/A431	J11-X/A431	E14-X/A431	53C	
First Floor	109 a	SF-1	3' - 0"	7' - 0"	0' - 2"	AL	1G	C-1T	N11-X/A431	J11-X/A431	E14-X/A431	53C	3
First Floor	110 a	HM-1	3' - 0"	7' - 0"	0' - 1 3/4"	HM	F	-	N14-X/A431	J14-X/A431	E14-X/A431	22C	3
First Floor	110 b	HM-1	3' - 0"	7' - 0"	0' - 1 3/4"	HM	F	-	N14-X/A431	J14-X/A431	E14-X/A431	66C	3
First Floor	110 c	SF-3	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N11-X/A431	J11-X/A431	E14-X/A431	22C	3
First Floor	111 a	SF-3	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N11-X/A431	J11-X/A431	E14-X/A431	53C	3
First Floor	112 a	HM-1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N14-X/A431	J14-X/A431	E14-X/A431	40C	3
First Floor	113 b	SF-3	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N14-X/A431	J14-X/A431	E14-X/A431	53C	3, 6
First Floor	115 c	SF-7	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N11-X/A431	J11-X/A431	E14-X/A431	22C	
First Floor	115 d	HM-1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N14-X/A431	J14-X/A431	E14-X/A431	22C	
First Floor	115 e	Existing	5' - 0"	7' - 0"	0' - 2"	AL	Existing	Existing	-	-	-	Existing Panic Device	Shades
First Floor	116 a	SF-7	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N11-X/A431	J11-X/A431	E14-X/A431	53C	7
First Floor	119 a	HM-2	6' - 0"	7' - 0"	0' - 1 3/4"	HM	F	-	N14-X/A431	J14-X/A431	E14-X/A431	222HO	
First Floor	121 a	HM-2	6' - 0"	7' - 0"	0' - 1 3/4"	HM	F	-	N14-X/A431	J14-X/A431	E14-X/A431	802C	
Second Floor	206 a	Existing	3' - 6"	7' - 0"	0' - 1 3/4"	HM	Existing	-	-	-	-	Existing Panic Device	
Second Floor	206 b	Existing	4' - 0"	7' - 0"	0' - 1 3/4"	HM	Existing	-	-	-	-	Existing Panic Device	
Second Floor	206 c	Existing	6' - 0"	8' - 7"	0' - 1 3/4"	HM	Existing	-	-	-	-	Existing Panic Device	
Second Floor	219 a	HM-1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	F	-	N14-X/A431	J14-X/A431	E14-X/A431	22C	3

A10 Door Schedule

No Scale

.

ABBREVIATIONS

OSS	- STEEL WINDOWS, Frames, Operable Steel Sash, Refer to sheet: X/XXXX.	AC	- Acoustical
SG	- Steel Gate	SS	- Stainless Steel
SW	- Service Window	CL	- Chain Link
STL	- Steel	WD	- Wood
AL	- Aluminum	CD	- COILING DOORS,
SF	- Storefront	GALV	- Galvanized Finish
HM	- Hollow Metal	S&F	- Steel and Fabrications
SG	- Site Gate	RO	- Rough Opening
SPF	- Steel Post Fence		
H	- Hazard Class 1 Glazing (CBC 2406): Tempered Glass or Laminated Glass. See Opening Schedule for Type		

GENERAL NOTES

1. This schedule is provided for the convenience of the General Contractor. Dimensions indicated are nominal dimensions.
2. The General Contractor is responsible for all coordination and review of drawings and verifying all field conditions and dimensions prior to fabrication. Not all detail references are included in the scehdule.
3. All vertical storefront mullions are continuous, horizontal mullions shall frame into the vertical mullions.
4. Exit Doors shall be openable from inside without the use of a key or any special knowledge or effort.
5. HARDWARE, Door Stops. Unless otherwise noted in Hardware Sets, provide wall type with appropriate fasteners. Where wall type cannot be used, provide floor type. If neither can be used, provide overhead type. See details A11/X/A431, A14/X/A431
6. All details, materials and finishes shall be considered typical for all similar conditions unless noted otherwise.
7. Door Types are shown on sheet X/A401
8. Frame Types are shown on sheets X/A401
9. For material transition at doors see E14/X/A431
10. Doors, and sidelites adjacent to doors, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the floor, This shall not apply if all Glazing Panels are 66" or greater above the Finish Floor
11. Exit Doors shall be openable from inside without the use of a key or any special knowledge or effort.
12. For opening Head, Jamb, and Sill framing conditions, see Structural Drawings.

OPENING SCHEDULE COMMENTS

1 HARDWARE, Removable Mullion - See Detail A7-X/A431
2 HARDWARE, Exit/Panic Devices, section HARDWARE, where occurs.
3 HARDWARE, Wall Stop, See detail N14/X/A601 for wall backing, Typ.
4 MODULAR CASEWORK, Solid Surface Sill, See detail J4/X/A316
5 SHADES, Condition @ Existing Windows, See detail E4/X/A601
6 SHADES, Condition @ Storefront, See detail E1/X/A601
7 HARDWARE, Floor Stop and Holder. See detail A14/X/A431

G18 Opening Schedule Legend

No Scale

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

OPENING SCHEDULES, FRAME ELEVATIONS
Drawing

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

Designed Designer
Drawn By: Author
Checked Checker
Reviewed Approver
Date: 03/22/2022
Scale: As indicated
Project Numbe 1947.IDA

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X/A401

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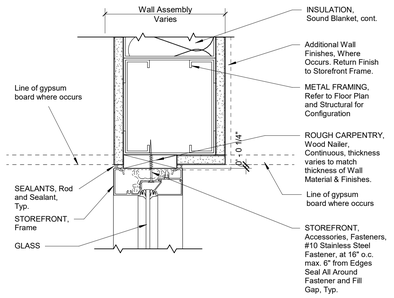
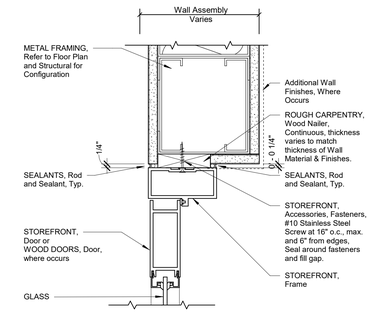


N7

3" = 1'-0"

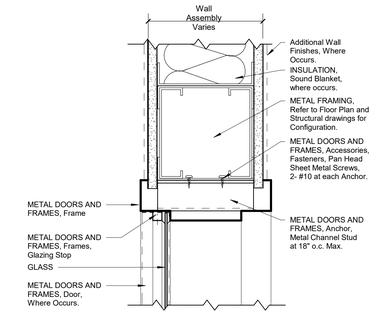
STOREFRONT, Head at Interior Window



N11

3" = 1'-0"

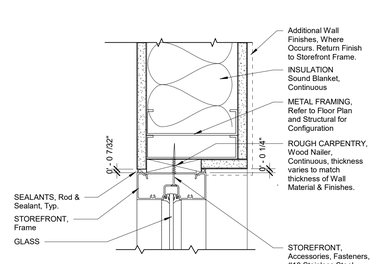
STOREFRONT, Head at Interior Door



N14

3" = 1'-0"

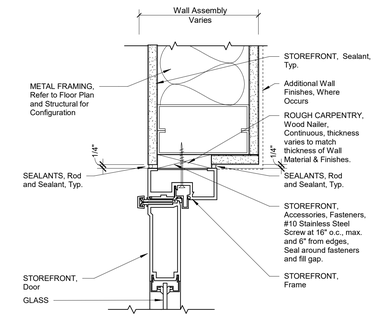
METAL DOORS AND FRAMES, Head at Interior



J7

3" = 1'-0"

STOREFRONT, Jamb at Interior Window

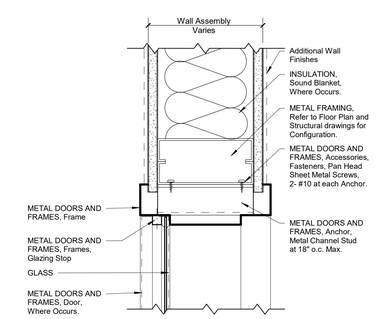


NOTE: Jamb Similar at Strike Side

J11

3" = 1'-0"

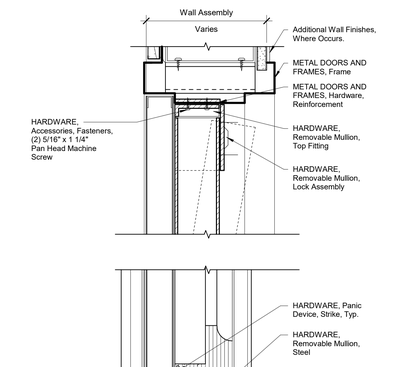
STOREFRONT, Jamb at Interior Door Hinge Side



J14

3" = 1'-0"

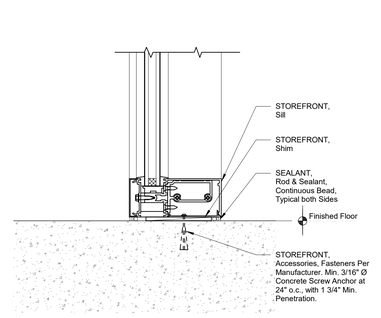
METAL DOORS AND FRAMES, Jamb at Interior



A7

3" = 1'-0"

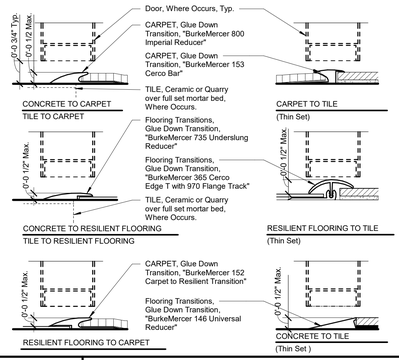
METAL DOORS AND FRAMES, Removable Mullion



E11

3" = 1'-0"

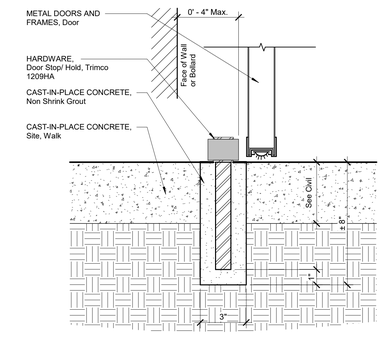
STOREFRONT, Sill at interior



E14

3" = 1'-0"

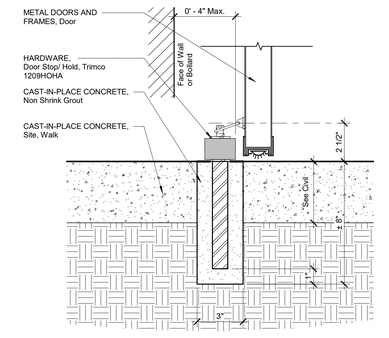
Flooring Transitions, at Interior



A11

3" = 1'-0"

HARDWARE, Floor Mounted Door Stop



A14

3" = 1'-0"

HARDWARE, Floor Mounted Door Strike and Holder

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

DOOR AND WINDOW FRAME ELEVATION TYPES

Drawing

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LICENSED ARCHITECT ARSHID J. AYUB No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed Designer	Copyright 2022 Darden Architects
Scale: 3" = 1'-0"	Drawn By: Author	X/A431
Project Numbe t1947.IDA	Checked IChecker	
Date: 03/22/2022	Reviewe Approver	

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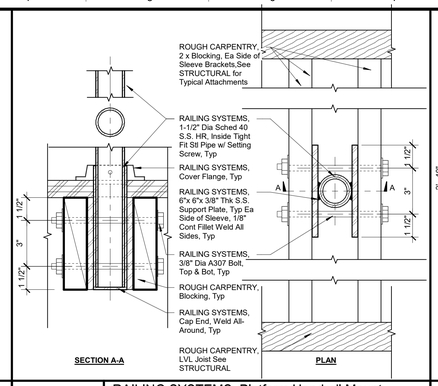
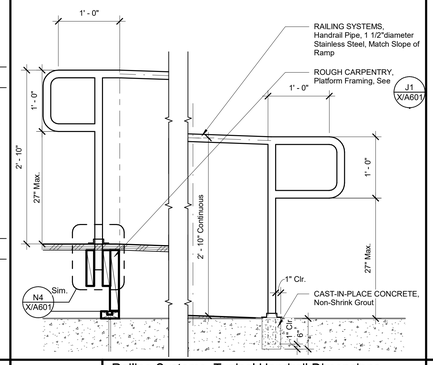


N4

RAILING SYSTEMS, Platform Handrail Mount Detail to Floor, Typ

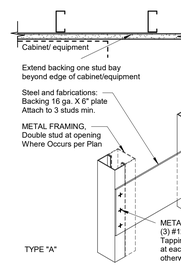
3" = 1'-0"



N7

Railing Systems, Typical Handrail Dimensions, Ramp

1" = 1'-0"



NOTES:
1. Equipment distributing less than 20 lbs per stud (backing for equipment exceeding this limit shall be designed and detailed by architect/engineer of record. Use this backing type for the following:
* wall mounted mirror
* waste receptacles
* towel dispensers
* corridor handrails
*Signage

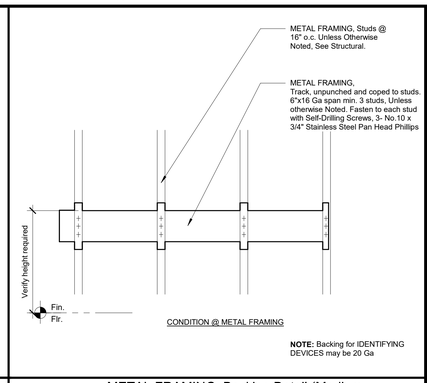
3. Verify length, height , location of backing plate & number required with accessories manufactured

4. For Wall Framing Elevation See Detail

N11

METAL FRAMING , Backing Detail (Light Duty)

3" = 1'-0"



NOTE: Backing for IDENTIFYING DEVICES may be 20 Ga

N14

METAL FRAMING, Backing Detail (Medium Duty)

1" = 1'-0"

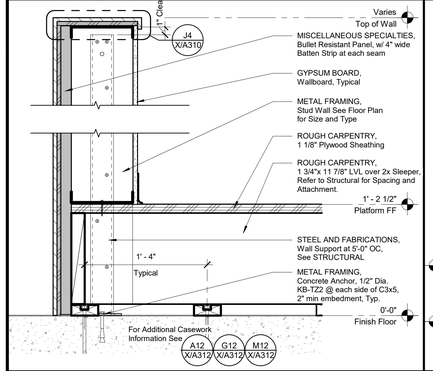
NOTES

1. GYPSUM BOARD, Metal Accessories, Refer to Detail A11 X/A601

H18

Interior Detail Notes

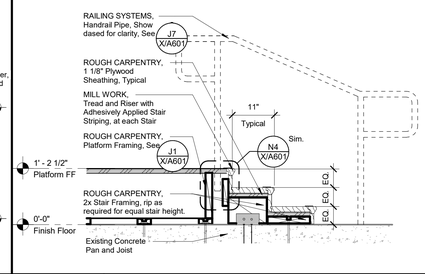
No Scale



J1

ROUGH CARPENTRY, Platform Framing

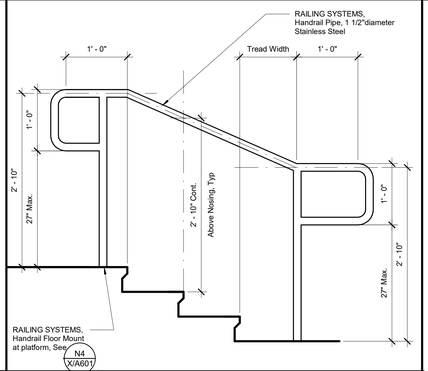
1 1/2" = 1'-0"



J4

ROUGH CARPENTRY, Stair Section

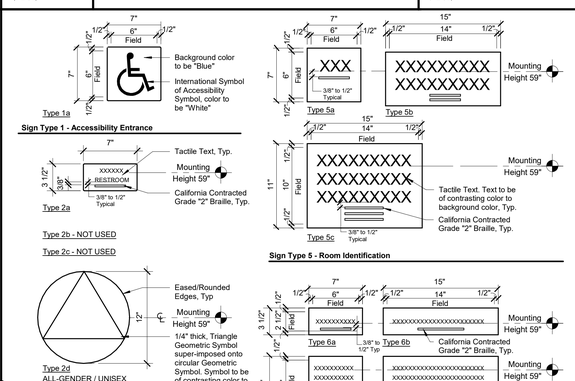
3/4" = 1'-0"



J7

RAILING SYSTEMS, Typical Handrail Dimensions

1" = 1'-0"

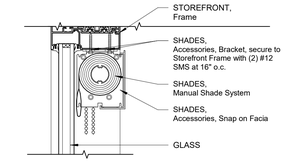


NOTES:
1. Mounting Locations and Heights are typical, UON.
2. Mount Signs such that the baseline of the highest raised character is 59" Max above finish floor, verify the baseline of the lowest line of braille is a Min of 48" above finish floor.
3. Refer Specification Section IDENTIFYING DECEIVES and Signage Schedule for the Sign Copy.
4. Refer to N14 X/A601 for Backing requirements

E11

IDENTIFYING DEVICES, Signage Locations and Dimensions

1 1/2" = 1'-0"

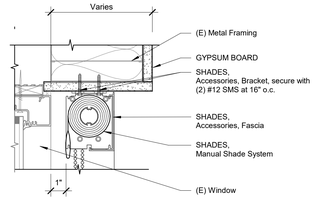


NOTE: Maximum Installed Weight 50 Pounds

E1

SHADES, Condition @ STOREFRONT

3" = 1'-0"

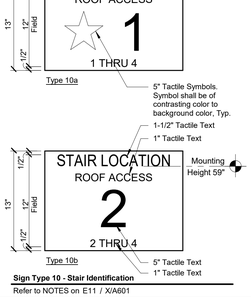


NOTE: Maximum Installed Weight 50 Pounds

E4

SHADES, Condition @ (E) Windows

3" = 1'-0"



Sign Type 10 - Stair Identification

Refer to NOTES on E11 / X/A601

E7

IDENTIFYING DEVICES, Stair Signage Locations and Dimensions

1 1/2" = 1'-0"

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

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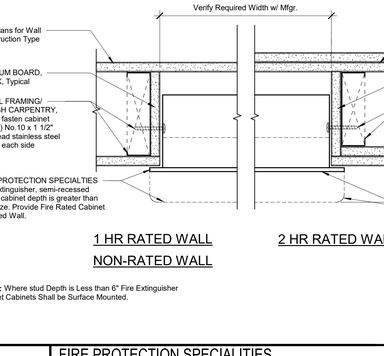
LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

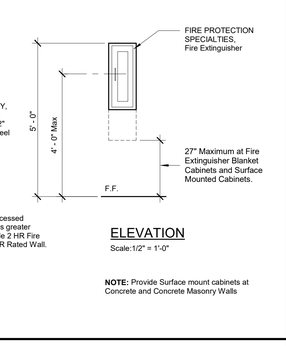
Architect

No.	Revision/Submission	Date

Revision



NOTE: Where stud Depth is Less than 6" Fire Extinguisher Blanket Cabinets Shall be Surface Mounted.

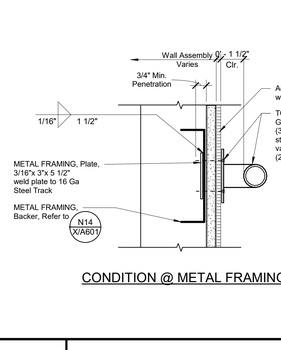


NOTE: Provide Surface mount cabinets at Concrete and Concrete Masonry Walls

A1

FIRE PROTECTION SPECIALITIES, Fire Extinguisher Cabinets

3" = 1'-0"

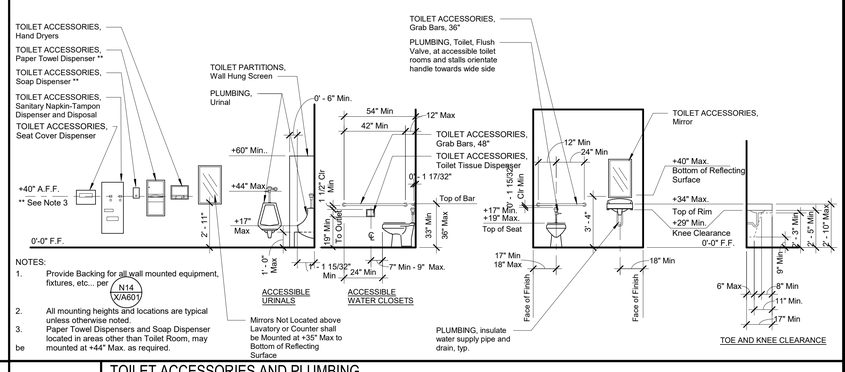


CONDITION @ METAL FRAMING

A7

TOILET ACCESSORIES, Grab Bars

3" = 1'-0"



NOTES:
1. Provide Backing for all wall mounted equipment, fixtures, etc... per N14 X/A601
2. All mounting heights and locations are typical unless otherwise noted.
3. Paper Towel Dispensers and Soap Dispenser located in areas other than Toilet Room, may be mounted at +44" Max. as required.

A11

TOILET ACCESSORIES AND PLUMBING FIXTURES,

Location and Mounting Heights, Typical

1/4" = 1'-0"

	Designed Designer	Copyright 2022 Darden Architects	
Scale: As indicated	Drawn By: Author		X/A601
Project Numbc1947.IDA	Checked tChecker		
Date: 03/22/2022	Reviewed Approver		

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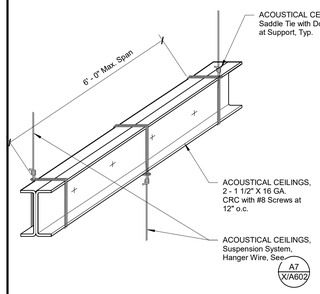
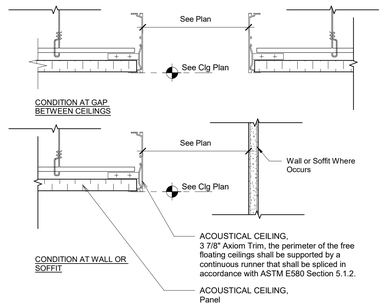


N4

3" = 1'-0"

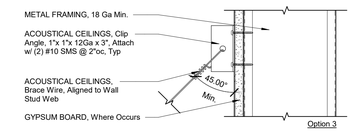
ACOUSTICAL CEILINGS, Suspended Ceiling Trapeze Support

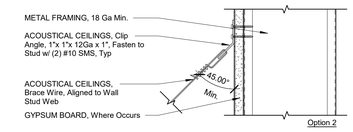


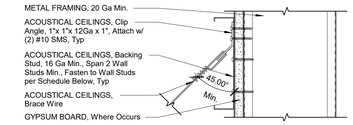
J4

3" = 1'-0"

ACOUSTICAL CEILINGS, Cloud Edge



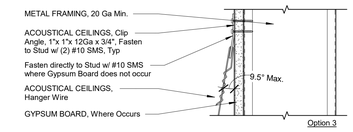


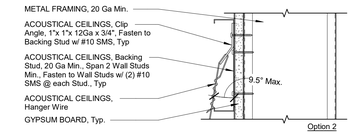


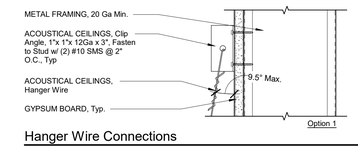
Wall Stud Gauge	Connection to Wall Stud (w/ Gyp. Board)	Connection to Wall Stud (w/out Gyp. Board)
20 Gauge	(5) #10 x 1 1/4" SMS	(3) #10 x 1 1/4" SMS
18 Gauge	(4) #10 x 1 1/4" SMS	(2) #10 x 1 1/4" SMS

Option 1

Brace Wire Connections







Hanger Wire Connections

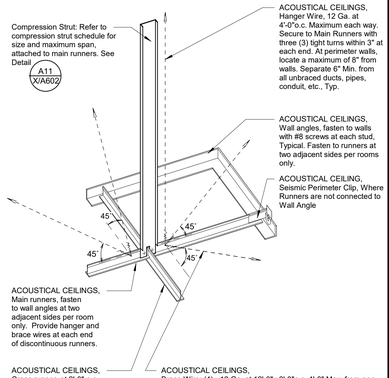
ACOUSTICAL CEILINGS, Suspension System, See

For Typical Wire Turns, See

G7

3" = 1'-0"

ACOUSTICAL CEILINGS, Wire Connections to Metal Stud Wall Detail



Notes:

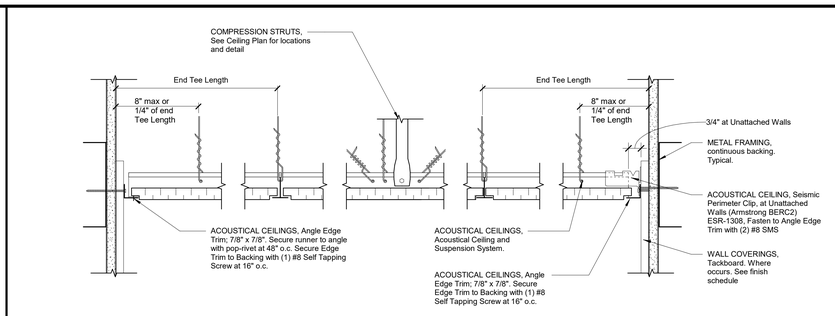
1. Splices in Slotted Wall Angles shall be with minimum 12" lap and fasten with (2) #8 screws at each flange.
2. FIRE RATED CEILINGS: Wire Brace and Compression Strut Assemblies are required for each 96 square feet and the first assembly shall be located maximum 4'-0" from each wall.
3. Refer to the Division of the State Architect (DSA) Interpretations of Regulations (I.R.) Manual, IR 25-2.13 for Supplemental Acoustical Ceiling Suspension System Information. A copy of the manual can be obtained through DSA, (916) 937-3700 or www.dsa.ca.gov.
4. Refer to CBC Section 1617A.1.21, the design and installation to be in compliance with ASTM C635, C636, and E580, Section 5, as amended by 2019 CBC Section 1617A.1.21 .
5. For attachement of hanger and bracing wire to roof structure, See E14 X/A602. For attachement of hanger wire to adjacent wall, See E14 X/A602

Lay-In Tile Condition

A7

3" = 1'-0"

ACOUSTICAL CEILINGS, Suspension System

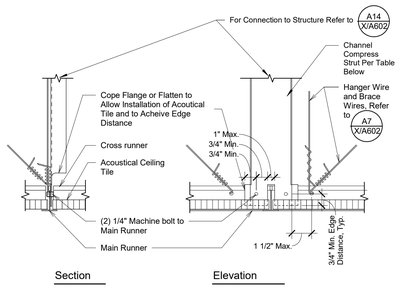


Detail at Fixed End **Detail at Free End**

N11

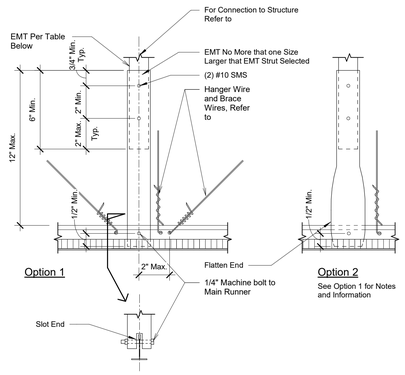
3" = 1'-0"

ACOUSTICAL CEILINGS, Perimeter Ceiling Detail



Section Elevation

Compression Strut Channel Type



Compression Strut EMT Type

Electrical Metallic Tubing (EMT)	Max. Length
1/2" Diameter EMT (0.042" Wall Thickness)	3'-11"
3/4" Diameter EMT (0.049" Wall Thickness)	6'-4"
1" Diameter EMT (0.057" Wall Thickness)	9'-9"
1 1/4" Diameter EMT (0.065" Wall Thickness)	12'-9"
1 1/2" Diameter EMT (0.065" Wall Thickness)	14'-9"
2" Diameter EMT (0.065" Wall Thickness)	18'-10"
Channel Type Strut	
250S125-33	5'-0"
250S137-33	6'-10"
362S137-33	8'-0"
250S137-43	8'-10"
400S137-43	10'-10"

Notes:

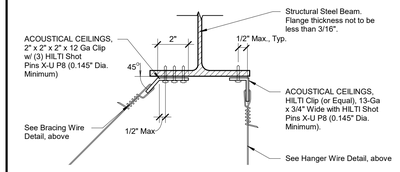
1. This detail shall be used for ACOUSTICAL CEILINGS, Lay-In Tiles
2. The Strut Table comports with DSA IR 25-2.13, Sheet 3.21
3. Material Used Shall not be less than the Minimum Shown in the Above Tables.
4. Compression Strut and Bracing Wire conditions shall be located on a grid not exceeding 12'-0" x 12'-0". The "Datum" point for starting the strut/bracing grid shall be 6'-0" from one wall (half of 12'-0") and 6'-0"from an adjacent perpendicular wall (half of 12'-0").
5. The "Datum" point for starting the strut/bracing grid shall be 6'-0" from one wall (half of 12'-0") and 4'-0" from an adjacent perpendicular wall (half of 8'-0").
6. Compression Strut shall not replace the vertical Hanger Wires. See for Hanger and Bracing Wire information, detail A7 X/A602

Strut Schedule

A11

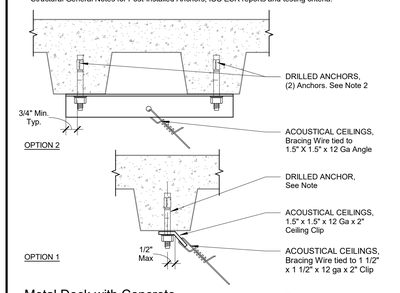
3" = 1'-0"

ACOUSTICAL CEILINGS, Suspension System, Compression Strut Schedule



Structural Steel

Notes:
1) See Bracing Wire Detail, above
2) DRILLED ANCHORS, Expansion Anchors. 3/8" Diameter Hilti KB-TZ2 with 2" min. embedment. See Structural General Notes for Post-Installed Anchors; ICC ESR reports and testing criteria.



Metal Deck with Concrete

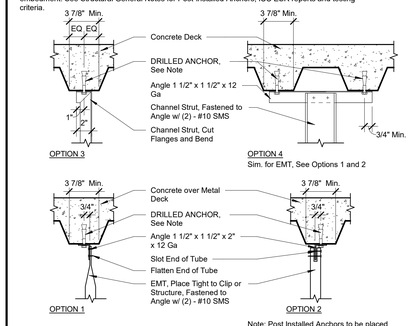
Bracing Wire

E14

3" = 1'-0"

ACOUSTICAL CEILINGS, Suspension System, Hanger & Bracing (Splay) Wire Attachment

NOTE: DRILLED ANCHORS, Expansion Anchors. 3/8" Diameter Hilti KB-TZ2 with 2 1/2" min. embedment. See Structural General Notes for Post-Installed Anchors; ICC ESR reports and testing criteria.



Note: Post Installed Anchors to be placed no more than 1" offset from Centerline of Deck Low Flute

A14

1 1/2" = 1'-0"

ACOUSTICAL CEILINGS, Strut to Structure

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

INTERIOR DETAILS

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed By: RLP
Drawn By: ---
Checked By: --
Reviewed By: --

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Scale: As indicated
Project Numbc1947.IDA
Date: 03/22/2022

X/A602

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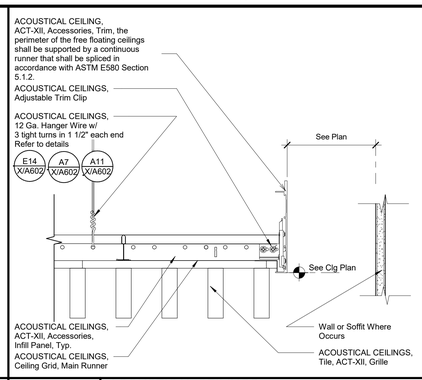
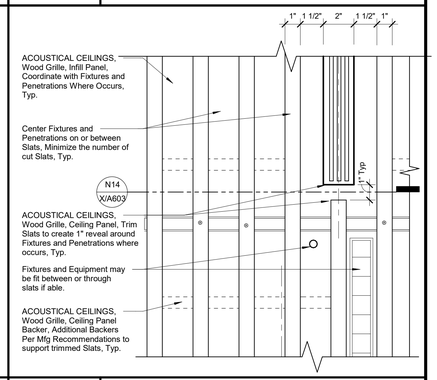


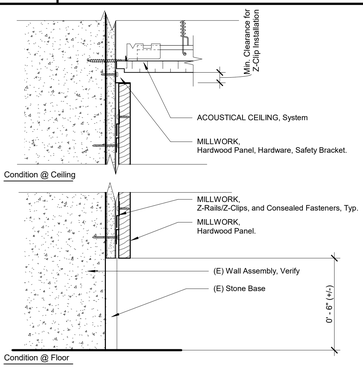
N14 — ACOUSTICAL CEILINGS, Wood Ceiling, Trim Detail, Section

3" = 1'-0"



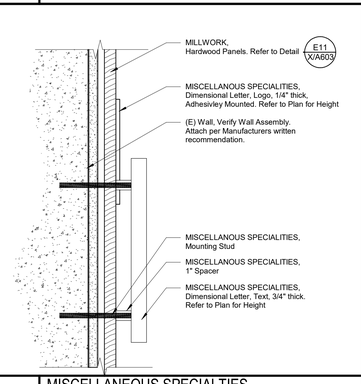
J14 — ACOUSTICAL CEILINGS, Wood Grille @ Fixtures and Penetrations

3" = 1'-0"



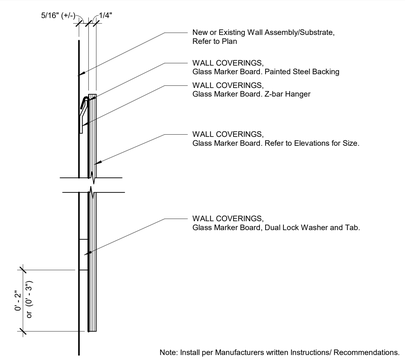
E11 — MILLWORK, Hardwood Panels

3" = 1'-0"



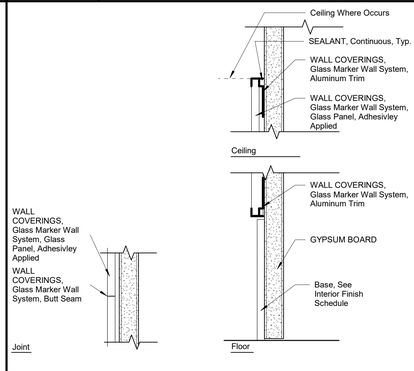
E14 — MISCELLANEOUS SPECIALTIES, Dimensional Letters

3" = 1'-0"



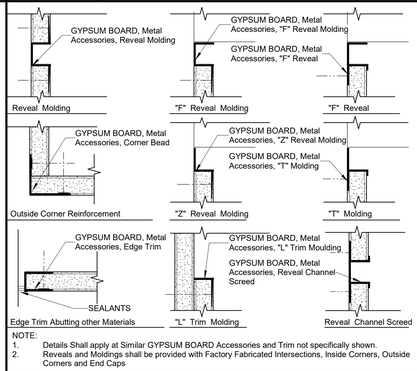
A7 — WALL COVERINGS, Glass Marker Wall Panel, Attachment

6" = 1'-0"



A11 — WALL COVERINGS, Glass Marker Wall System, Aluminum Trim

6" = 1'-0"



NOTE:
1. Details Shall apply at Similar GYPSUM BOARD Accessories and Trim not specifically shown.
2. Reveals and Moldings shall be provided with Factory Fabricated Intersections, Inside Corners, Outside Corners and End Caps

A14 — GYPSUM BOARD, Metal Accessories

6" = 1'-0"

General Notes

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

INTERIOR DETAILS

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LICENSED ARCHITECT ARSHID J. AYUB No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed Designer

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Scale: As indicated
Drawn By: Author
Project Numbc1947.IDA
Checked IChecker
Date: 03/22/2022
ReviewedApprover

X/A603

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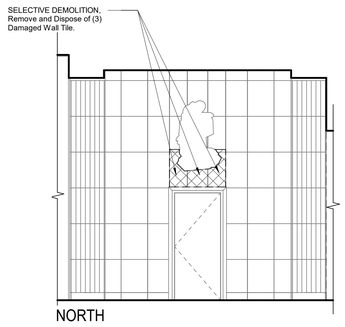

N1

1/4" = 1'-0"

Partial Interior Elevation- Demolition Plan

DEMOLITION NOTES

F1 SELECTIVE DEMOLITION, Remove and Dispose portion of Existing wall.

F2 SELECTIVE DEMOLITION, Remove and Dispose Existing door and frame

F3 SELECTIVE DEMOLITION, Remove and Dispose Existing Windows and Frames

F4 SELECTIVE DEMOLITION, Remove and Dispose Existing Casework

F5 SELECTIVE DEMOLITION, Remove and Salvage to Owner, Existing Casework

F6 SELECTIVE DEMOLITION, Remove and Dispose of Floor Finish and Rubber Base, where occurs. Wood/Stone Base to Remain.

F7 SELECTIVE DEMOLITION, Remove and Dispose Portion of Teller Window Wall to Tile Trim to accomodate new Door or Window where occurs. See Drawings.

F8 SELECTIVE DEMOLITION, Remove and Salvage to Owner recessed Wall Directories

F9 SELECTIVE DEMOLITION, Remove and Dispose Existing Light Fixture, Coordinate with Electrical Drawings

E10 SELECTIVE DEMOLITION, Remove and Dispose of HVAC Grilles

E11 SELECTIVE DEMOLITION, Remove and Salvage for reinstallation of Wall Tile, Tile Trim and Marble Base. Reinstall where (E) to remain are damaged due to adjacent demolition or as indicated.

E12 SELECTIVE DEMOLITION, Remove and Dispose of Shades

E13 SELECTIVE DEMOLITION, Remove and Dispose of Flooring and Base.

E14 SELECTIVE DEMOLITION, Remove and Dispose Existing Built-in Table.

E15 SELECTIVE DEMOLITION, Remove and Salvage Existing Ceiling Tiles, for Painting

E16 SELECTIVE DEMOLITION, Remove and dispose portion of existing gypsum board finish from soffit for structural connections, see Structural

E17 SELECTIVE DEMOLITION, Remove and Dispose Recessed Element Finishes

E18 SELECTIVE DEMOLITION, Remove and Dispose Raised Concrete Slab

E19 SELECTIVE DEMOLITION, Remove and Dispose Entry Element including ceiling portion

E20 SELECTIVE DEMOLITION, Remove and Dispose Raised Floor, Stairs and Ramp including Structure and associated Finishes.

E21 SELECTIVE DEMOLITION, Remove and Dispose Wood and Cork Information Board.

E22 SELECTIVE DEMOLITION, Remove and Dispose of Wall Tile, Tile Trim and Wall Covering. Demo to inside corner.

E23 SELECTIVE DEMOLITION, Remove and Dispose of Wall Base in entire room, unless noted otherwise.

E24 SELECTIVE DEMOLITION, Remove and reinstall (E) Hardwood Floor where patching is required, See Interior Finish Schedule. Coordinate removal with New Construction.

E25 SELECTIVE DEMOLITION, Remove and Salvage to Owner A Clock, including internal mechanism.

E26 SELECTIVE DEMOLITION, Remove and Dispose of Flooring, Panels.....

E27 SELECTIVE DEMOLITION, Remove and Dispose of Wall Protection System

E28 SELECTIVE DEMOLITION, Remove and Dispose of Vinyl Covered Tack Board including Trim.

E29 SELECTIVE DEMOLITION, Remove and Dispose Portion of Existing Millwork to allow access for installation of Steel Support.

E30 SELECTIVE DEMOLITION, Remove and Dispose of Coiling Doors.

E31 SELECTIVE DEMOLITION, Remove and Dispose of Portion of Wood Conduit and wiring. See Electrical.

E32 SELECTIVE DEMOLITION, Remove and Dispose of Wood Paneling.

E33 SELECTIVE DEMOLITION, Remove and Salvage for Reinstallation Semi-Recessed Fire Extingisher Cabinet.

E33 SELECTIVE DEMOLITION, Remove and Dispose of Stone Cased Opening and adjacecent Stone wall base to Cased openings to remain.

E34 SELECTIVE DEMOLITION, Remove and Dispose of Wall Covering above door.

E35 SELECTIVE DEMOLITION, Remove and Dispose Portion of Teller Window Wall from Countertop to Floor between Terracotta Tile Wall Trim, including Marble Wall Cladding and Base, and Wall Assembly.

E36 SELECTIVE DEMOLITION, Remove and Salvage to Owner TV and Wall Mount.

N

A1

1/8" = 1'-0"

Demolition Floor Plan - First Floor

SYMBOLS

Existing Wall

Remove Existing Wall

Remove Existing Building Item (See Demolition Note, Plumbing, Mechanical, and Electrical Drawings)

Room name 101 — Room Designation

10 — Demolition Note Symbol

NOTES

1. See Specifications section, SELECTIVE DEMOLITION, See Plumbing, Mechanical, and Electrical Drawings and Specifications
2. Remove materials, equipment, and finishes indicated by demolition key notes
3. All Concrete removed shall be within sawcut lines or Existing expansion/ control joint lines.
4. Coordinate removal of door hardware with HARDWARE in the specifications.
5. Where Demolition work is indicated, contractor shall remove and reinstall any or all items necessary for installation of new work. Existing area affected by demolition work shall be patched and repaired to match Existing construction.
6. Any damage resulting from the modernization activity shall be corrected at no additional expense to the owner and all surfaces cleaned and readied to receive new work.
7. Remove, cut, and patch work in a manner to minimize damage and to provide means of restoring products and finishes to original condition.
8. Where new work abuts or aligns with Existing, make a smooth and even transition. Patch work shall match Existing adjacent work in texture and appearance.
9. When Finished surfaces are cut so that a smooth transition with new work is not possible, terminate Existing surfaces along a straight line at a natural line of division and make recommendation to the architect.

G18

No Scale

Demolition Floor Plan Legend

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

DEMOLITION FLOOR PLAN - FIRST FLOOR

Drawing

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LICENSED ARCHITECT ANTONIO J. ALVES No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date
1	Revision 1	Date 1

Revision

Designed BAF/DD

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Scale: As indicated | Drawn By: AF/AC | Project Numbe1947.IDA | Checked By: AC | Date: 03/22/2022 | Reviewed By: TA

A/A001

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DEMOLITION NOTES

F1 SELECTIVE DEMOLITION, Remove and Dispose portion of Existing wall.

F2 SELECTIVE DEMOLITION, Remove and Dispose Existing door and frame

F3 SELECTIVE DEMOLITION, Remove and Dispose Existing Windows and Frames

F4 SELECTIVE DEMOLITION, Remove and Dispose Existing Casework

F5 SELECTIVE DEMOLITION, Remove and Salvage to Owner, Existing Casework

F6 SELECTIVE DEMOLITION, Remove and Dispose of Floor Finish and Rubber Base, where occurs. Wood/Stone Base to Remain.

F7 SELECTIVE DEMOLITION, Remove and Dispose Portion of Teller Window Wall to Tile Trim to accomodate new Door or Window where occurs. See Drawings.

F8 SELECTIVE DEMOLITION, Remove and Salvage to Owner recessed Wall Directories

F9 SELECTIVE DEMOLITION, Remove and Dispose Existing Light Fixture, Coordinate with Electrical Drawings

E10 SELECTIVE DEMOLITION, Remove and Dispose of HVAC Grilles

E11 SELECTIVE DEMOLITION, Remove and Salvage for reinstallation of Wall Tile, Tile Trim and Marble Base. Reinstall where (E) to remain are damaged due to adjacent demolition or as indicated.

E12 SELECTIVE DEMOLITION, Remove and Dispose of Shades

E13 SELECTIVE DEMOLITION, Remove and Dispose of Flooring and Base.

E14 SELECTIVE DEMOLITION, Remove and Dispose Existing Built-in Table.

E15 SELECTIVE DEMOLITION, Remove and Salvage Existing Ceiling Tiles, for Painting

E16 SELECTIVE DEMOLITION, Remove and dispose portion of existing gypsum board finish from soffit for structural connections, see Structural

E17 SELECTIVE DEMOLITION, Remove and Dispose Recessed Element Finishes

E18 SELECTIVE DEMOLITION, Remove and Dispose Raised Concrete Slab

E19 SELECTIVE DEMOLITION, Remove and Dispose Entry Element including ceiling portion

E20 SELECTIVE DEMOLITION, Remove and Dispose Raised Floor, Stairs and Ramp including Structure and associated Finishes.

E21 SELECTIVE DEMOLITION, Remove and Dispose Wood and Cork Information Board.

E22 SELECTIVE DEMOLITION, Remove and Dispose of Wall Tile, Tile Trim and Wall Covering. Demo to inside corner.

E23 SELECTIVE DEMOLITION, Remove and Dispose of Wall Base in entire room, unless noted otherwise.

E24 SELECTIVE DEMOLITION, Remove and reinstall (E) Hardwood Floor where patching is required, See Interior Finish Schedule. Coordinate removal with New Construction.

E25 SELECTIVE DEMOLITION, Remove and Salvage to Owner of Clock, including internal mechanism.

E26 SELECTIVE DEMOLITION, Remove and Dispose of Flooring, Panels.....

E27 SELECTIVE DEMOLITION, Remove and Dispose of Wall Protection System.

E28 SELECTIVE DEMOLITION, Remove and Dispose of Vinyl Covered Tack Board including Trim.

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E33 SELECTIVE DEMOLITION, Remove and Salvage for Reinstallation Semi-Recessed Fire Extinguisher Cabinet.

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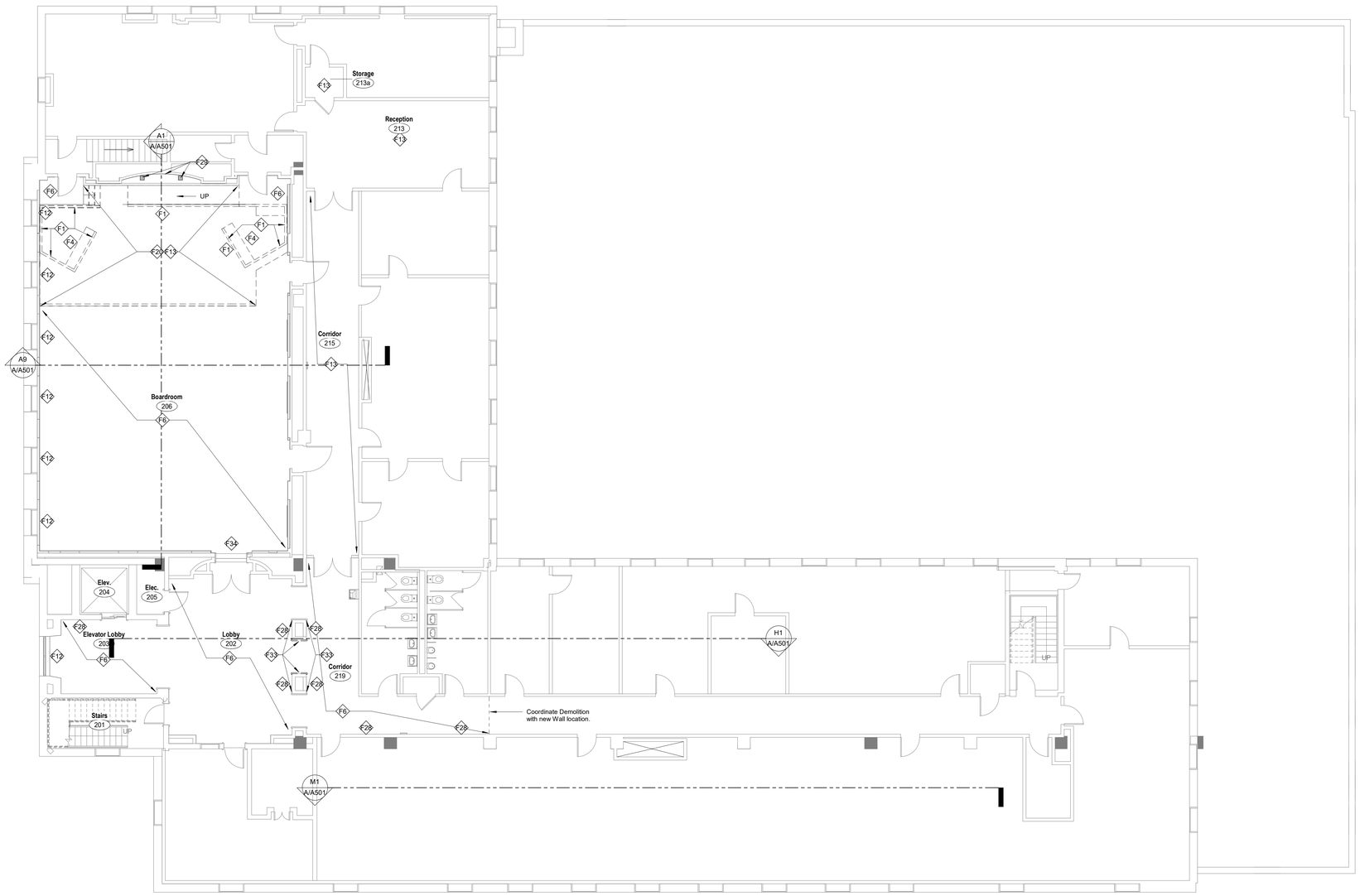
E35 SELECTIVE DEMOLITION, Remove and Dispose Portion of Teller Window Wall from Countertop to Floor between Terracotta Tile Wall Trim, including Marble Wall Cladding and Base, and Wall Assembly.

E36 SELECTIVE DEMOLITION, Remove and Salvage to Owner TV and Wall Mount.



N

SYMBOLS

Existing Wall

Remove Existing Wall

Remove Existing Building Item (See Demolition Note, Plumbing, Mechanical, and Electrical Drawings)

Room name 101 — Room Designation

10 — Demolition Note Symbol

NOTES

1. See Specifications section, SELECTIVE DEMOLITION, See Plumbing, Mechanical, and Electrical Drawings and Specifications
2. Remove materials, equipment, and finishes indicated by demolition key notes
3. All Concrete removed shall be within sawcut lines or Existing expansion/ control joint lines.
4. Coordinate removal of door hardware with HARDWARE in the specifications.
5. Where Demolition work is indicated, contractor shall remove and reinstall any or all items necessary for installation of new work. Existing area affected by demolition work shall be patched and repaired to match Existing construction.
6. Any damage resulting from the modernization activity shall be corrected at no additional expense to the owner and all surfaces cleaned and readied to receive new work.
7. Remove, cut, and patch work in a manner to minimize damage and to provide means of restoring products and finishes to original condition.
8. Where new work abuts or aligns with Existing, make a smooth and even transition. Patch work shall match Existing adjacent work in texture and appearance.
9. When Finished surfaces are cut so that a smooth transition with new work is not possible, terminate Existing surfaces along a straight line at a natural line of division and make recommendation to the architect.

G18 — Demolition Floor Plan Legend
No Scale

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

DEMOLITION FLOOR PLAN - SECOND FLOOR
Drawing

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date
1	Revision 1	Date 1

Revision

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Designed BAF/DD
Drawn By: AF/AC
Checked By: AC
Reviewed By: TA

Scale: 1/8" = 1'-0"
Project Numbe1947.IDA
Date: 03/22/2022

A/A002

A1 — Demolition Floor Plan - Second Floor
1/8" = 1'-0"

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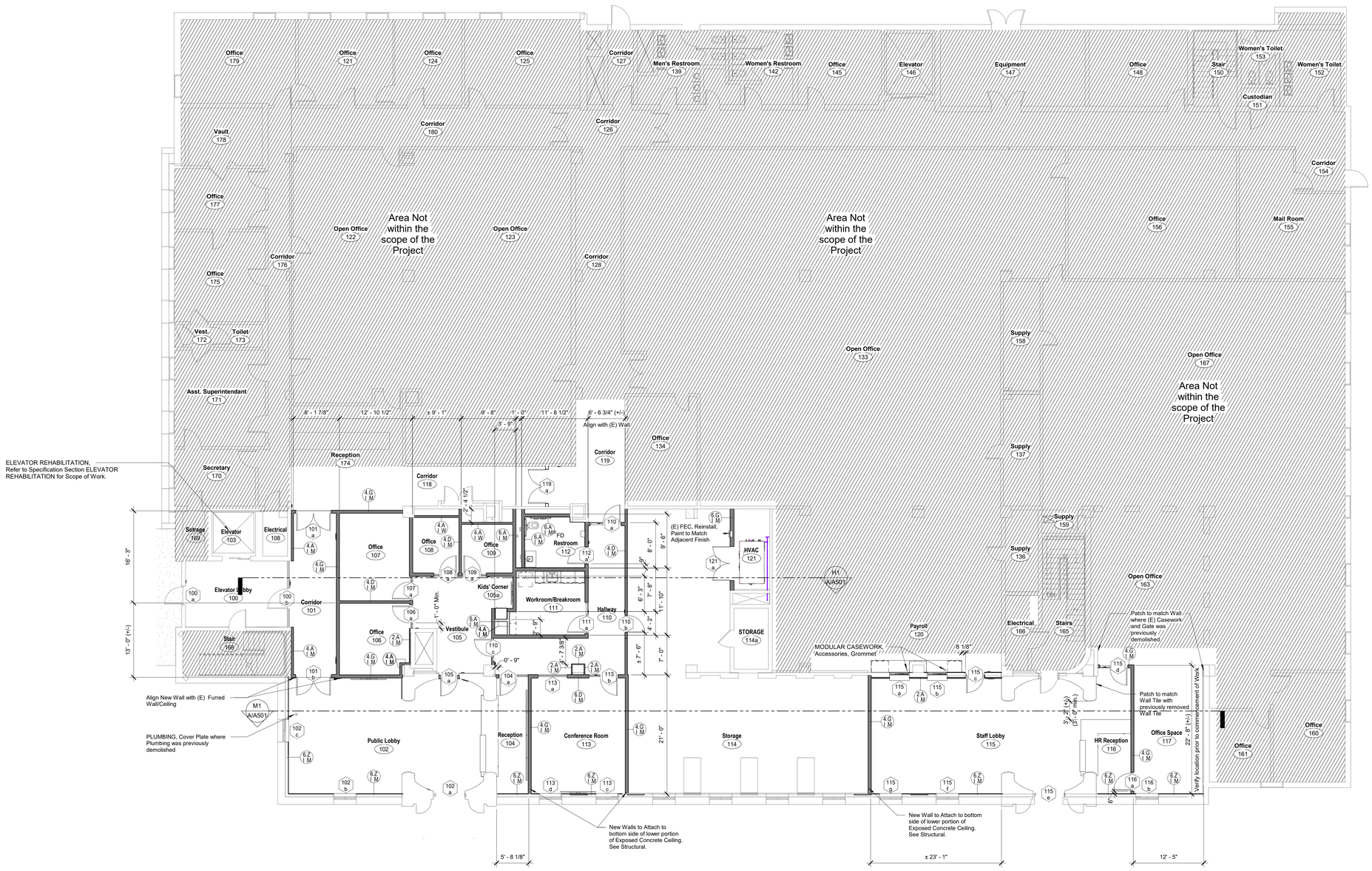

SYMBOLS

- Concrete Masonry Unit Wall. 8" wide unless otherwise noted.
- Concrete Wall, or Column. Size as indicated.
- Stud Wall, Studs and Interior Wall materials continuous from floor to underside of floor or roof deck. Studs at 16" o.c. unless otherwise noted. Interior Wall material shall include Batt Insulation, Sound Deadening Board, Plywood Sheathing, Gypsum Board, and Cement Plaster/ Ceramic Tile setting bed where occurs.
- Stud Wall. Studs and finish material continuous from floor to minimum 6" above ceiling. Studs to be braced to underside of roof framing or deck if not required to be continuous to roof framing or deck. Studs at 16"o.c. Unless Otherwise Noted. See Structural for bracing and extent of Structural Sheathing.
- 1 Hr. Corridor Wall - Fire Partition (1 Hr. Fire Resistive Construction, 20 Min. Door Assemblies, 45 Min. Window Assemblies)
- 1 Hr. Fire Barrier - (1 Hr. Fire Resistive Construction, 60 Min. Door Assemblies)
- 1 Hr. Occupancy Separation / Fire Barrier - (1 Hr. Fire Resistive Construction, 45 Min. Door Assemblies, 45 Min. Window Assemblies)
- 2 Hr. Fire Wall (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Door Assemblies)
- 2 Hr. Fire Barrier (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Door Assemblies)
- 0 — Reference Grid
- 101 / a — Opening Group No. Refer to Door or Window Opening Schedules
- Eq Mark — Equipment Item No. Refer to Equipment Schedule
- Room name / 101 — Room Designation
- Wall Assembly Symbols. Refer to Sheet X/A101
- Reference Point

ABBREVIATIONS

FF	Face of Finish
FOC	Face of Concrete
FD	Floor Drain
FOM	Face of Masonry
FOS	Face of Stud
FS	Floor Sink
HB	Hose Bib
MO	Masonry Opening
UNO	Unless Noted Otherwise
RO	Rough Opening
VCT	RESILIENT FLOORING, Vinyl Composition Tile
Typ.	Typical
Sim.	Similar
OH	Opposite Hand

NOTES

1. All Exterior Walls shall be Wall Assembly Type (6.B / E.M) Unless Noted Otherwise.
2. All Interior Walls shall be Wall Assembly Type (6.D / I.M) Unless Noted Otherwise.
3. All Dimensions are to Face of Stud (FOS) or Center Line, Unless Noted Otherwise.
4. All Elevation Dimensions are above Finish Floor at each floor level, Unless Noted Otherwise.
5. Dimensions noted as "+/-" are nominal.
6. Floor Drains (FD) and Floor Sinks (FS) shall be set -3/4" and a min. of 3'-0" from nearest wall, Unless Noted Otherwise.
7. IDENTIFYING DEVICES, For Room Signage refer (E11 / X/A601) to and Specifications
8. FIRE RESISTIVE ASSEMBLIES:
   a. All Through Penetrations and Wall Membrane Penetrations through Walls of Fire Resistive Construction shall be protected in accordance with their Fire Resistive Ratings.
   b. All Walls of Fire and/or Smoke Resistive Construction Shall Be Permanently Identified with Signs or Stenciling in lettering not less than 3 inches (76 mm) in. height with a minimum 3/8 inch (9.5 mm) stroke in a contrasting color incorporating the following wording: FIRE AND/OR SMOKE BARRIER "#" HOUR RATED, PROTECT ALL OPENINGS, Signs or Stenciling shall be located above ceilings on both sides of the wall, located 15'-0" from ends of wall and at intervals not to exceed 30'-0" horizontally along the wall or partition. Note: "#" indicates the hourly rating of the wall or partition.

G18	Floor Plan Legend
No Scale	

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

FLOOR PLAN- FIRST FLOOR
Drawing

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Architect

No.	Revision/Submission	Date

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Project Numbe1947.IDA	Checked By: AC	
Date: 03/22/2022	Reviewed By: TA	

A1	Floor Plan - First Floor
1/8" = 1'-0"	

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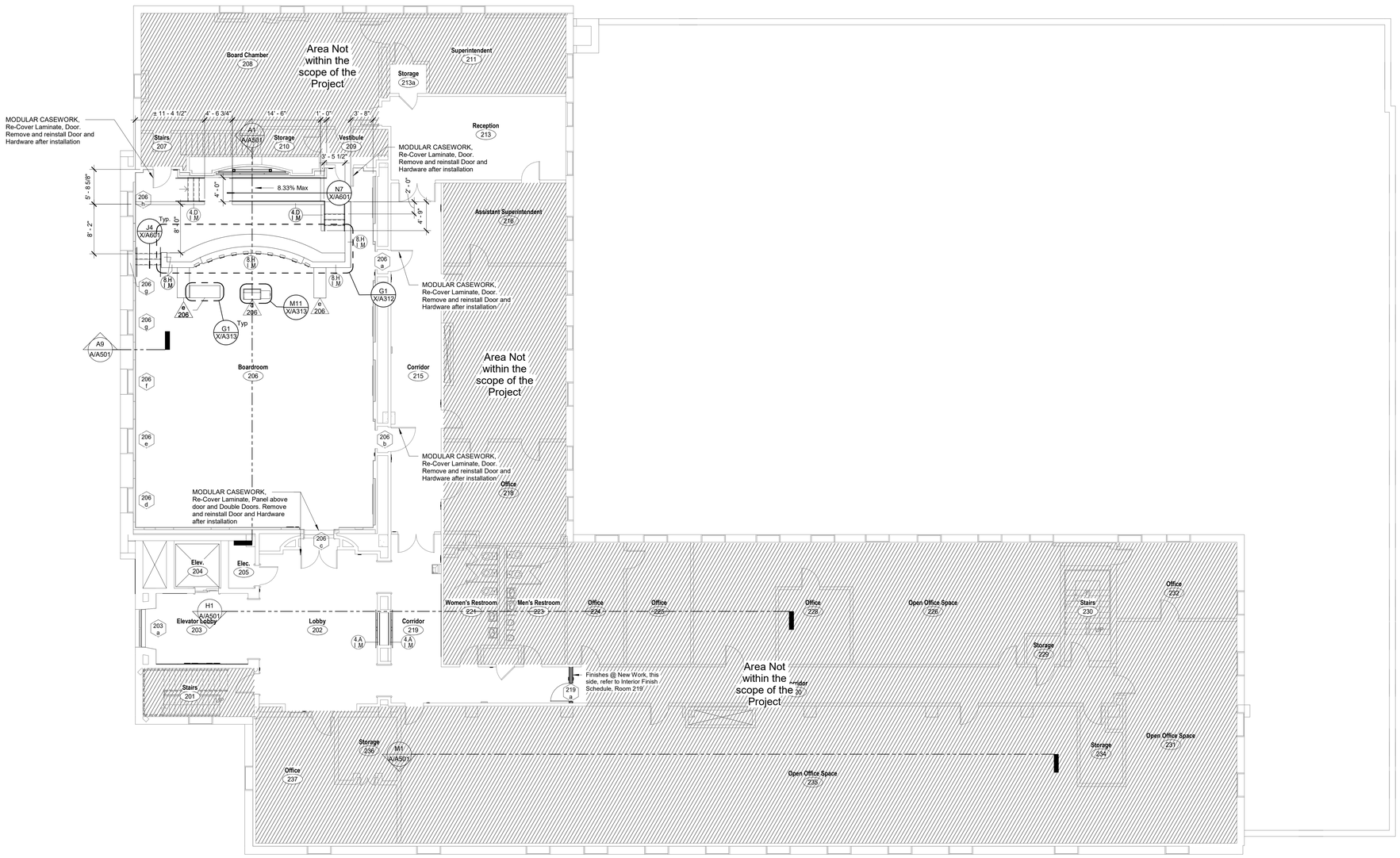

SYMBOLS

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- Stud Wall. Studs and finish material continuous from floor to minimum 6" above ceiling. Studs to be braced to underside of roof framing or deck if not required to be continuous to roof framing or deck. Studs at 16"o.c. Unless Otherwise Noted. See Structural for bracing and extent of Structural Sheathing.
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- 1 Hr. Fire Barrier - (1 Hr. Fire Resistive Construction, 60 Min. Door Assemblies)
- 1 Hr. Occupancy Separation / Fire Barrier - (1 Hr. Fire Resistive Construction, 45 Min. Door Assemblies, 45 Min. Window Assemblies)
- 2 Hr. Fire Wall (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Door Assemblies)
- 2 Hr. Fire Barrier (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Door Assemblies)
- 0 — Reference Grid
- 101 a — Opening Group No. Refer to Door or Window Opening Schedules
- Eq Mark — Equipment Item No. Refer to Equipment Schedule
- Room name 101 — Room Designation
- 8 8 — Wall Assembly Symbols. Refer to Sheet X/A101
- Reference Point

ABBREVIATIONS

FF	Face of Finish
FOC	Face of Concrete
FD	Floor Drain
FOM	Face of Masonry
FOS	Face of Stud
FS	Floor Sink
HB	Hose Bib
MO	Masonry Opening
UNO	Unless Noted Otherwise
RO	Rough Opening
VCT	RESILIENT FLOORING, Vinyl Composition Tile
Typ.	Typical
Sim.	Similar
OH	Opposite Hand

NOTES

1. All Exterior Walls shall be Wall Assembly Type (8 B / E.M) Unless Noted Otherwise.
2. All Interior Walls shall be Wall Assembly Type (6 D / I.M) Unless Noted Otherwise.
3. All Dimensions are to Face of Stud (FOS) or Center Line, Unless Noted Otherwise.
4. All Elevation Dimensions are above Finish Floor at each floor level, Unless Noted Otherwise.
5. Dimensions noted as "+/-" are nominal.
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G18 — Floor Plan Legend
No Scale

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

FLOOR PLAN- SECOND FLOOR
Drawing

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Architect

No.	Revision/Submission	Date

Revision

Designed BAF/DD
Drawn By: AF/AC
Checked By: AC
Reviewed By: TA

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Scale: 1/8" = 1'-0"
Project Numbe1947.IDA
Date: 03/22/2022

A/A120

A1 — Floor Plan - Second Floor
1/8" = 1'-0"

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DEMOLITION NOTES

C1 SELECTIVE DEMOLITION,
Remove and Dispose Existing Suspended Ceiling System, and support structure

C2 SELECTIVE DEMOLITION,
Remove and Dispose Existing Light Fixture, Coordinate with Electrical Drawings

C3 SELECTIVE DEMOLITION,
Remove and Dispose Existing HVAC Grilles

C4 SELECTIVE DEMOLITION,
Remove and Salvage to Owner existing wall mounted projection screen and ceiling mounted projector

C5 SELECTIVE DEMOLITION,
Remove and Salvage Existing Ceiling Tiles, for Painting

C6 SELECTIVE DEMOLITION,
Remove and Dispose Existing Ceiling and Support Structure

C7 SELECTIVE DEMOLITION,
Remove and Dispose Existing Acoustic spray material, Expose Existing Plaster. Plaster to Remain.

C8 SELECTIVE DEMOLITION,
Remove and Dispose Portion of Existing Ceiling as required for new work.

SYMBOLS

Existing Wall

Remove Existing Wall

Remove Existing Building Item (See Demolition Note, Plumbing, Mechanical, and Electrical Drawings)

Room name 101 — Room Designation

10 — Demolition Note Symbol

NOTES

1. See Specifications section, SELECTIVE DEMOLITION, See Plumbing, Mechanical, and Electrical Drawings and Specifications
2. Remove materials, equipment, and finishes indicated by demolition key notes
3. All Concrete removed shall be within sawcut lines or Existing expansion/ control joint lines.
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9. When Finished surfaces are cut so that a smooth transition with new work is not possible, terminate Existing surfaces along a straight line at a natural line of division and make recommendation to the architect.

A1 — Demolition Reflected Ceiling Plan - First Floor
1/8" = 1'-0"

G18 — Demolition Floor Plan Legend
No Scale

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

DEMOLITION REFLECTED CEILING PLAN - FIRST FLOOR
Drawing

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Architect

No.	Revision/Submission	Date

Revision

Designed BrAF/DD
Drawn By: AF/AC
Checked By: AC
Reviewed By: TA

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Scale: 1/8" = 1'-0"
Project Numbe1947.IDA
Date: 03/22/2022

A/A200

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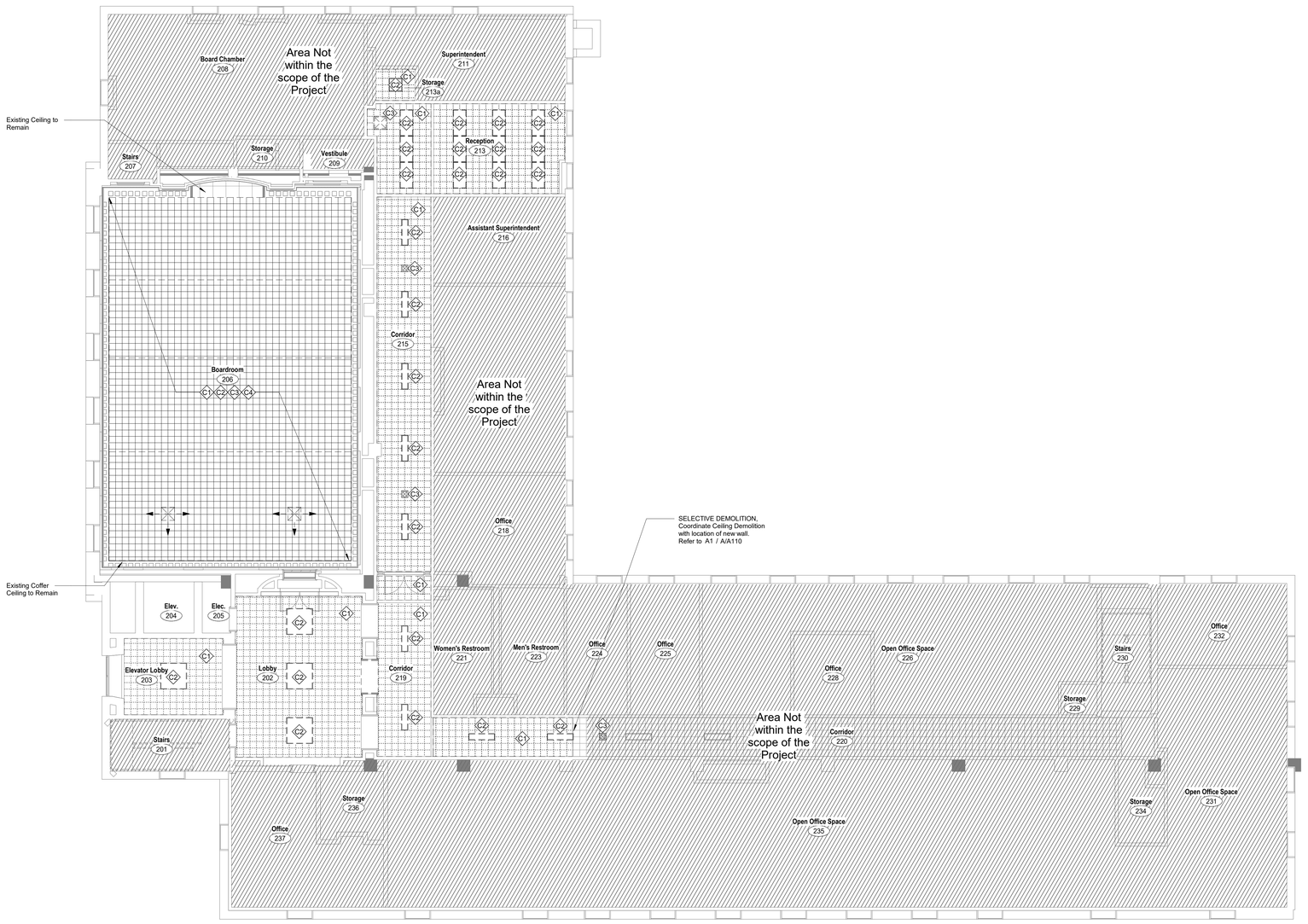

DEMOLITION NOTES

C1 SELECTIVE DEMOLITION,
Remove and Dispose Existing Suspended Ceiling System, and support structure

C2 SELECTIVE DEMOLITION,
Remove and Dispose Existing Light Fixture, Coordinate with Electrical Drawings

C3 SELECTIVE DEMOLITION,
Remove and Dispose Existing HVAC Grilles

C4 SELECTIVE DEMOLITION,
Remove and Salvage to Owner existing wall mounted projection screen and ceiling mounted projector

C5 SELECTIVE DEMOLITION,
Remove and Salvage Existing Ceiling Tiles, for Painting

C6 SELECTIVE DEMOLITION,
Remove and Dispose Existing Ceiling and Support Structure

C7 SELECTIVE DEMOLITION,
Remove and Dispose Existing Acoustic spray material, Expose Existing Plaster. Plaster to Remain.

C8 SELECTIVE DEMOLITION,
Remove and Dispose Portion of Existing Ceiling as required for new work.

SYMBOLS

Existing Wall

Remove Existing Wall

Remove Existing Building Item (See Demolition Note, Plumbing, Mechanical, and Electrical Drawings)

Room name 101 — Room Designation

10 — Demolition Note Symbol

NOTES

1. See Specifications section, SELECTIVE DEMOLITION, See Plumbing, Mechanical, and Electrical Drawings and Specifications
2. Remove materials, equipment, and finishes indicated by demolition key notes
3. All Concrete removed shall be within sawcut lines or Existing expansion/ control joint lines.
4. Coordinate removal of door hardware with HARDWARE in the specifications.
5. Where Demolition work is indicated, contractor shall remove and reinstall any or all items necessary for installation of new work. Existing area affected by demolition work shall be patched and repaired to match Existing construction.
6. Any damage resulting from the modernization activity shall be corrected at no additional expense to the owner and all surfaces cleaned and readied to receive new work.
7. Remove, cut, and patch work in a manner to minimize damage and to provide means of restoring products and finishes to original condition.
8. Where new work abuts or aligns with Existing, make a smooth and even transition. Patch work shall match Existing adjacent work in texture and appearance.
9. When Finished surfaces are cut so that a smooth transition with new work is not possible, terminate Existing surfaces along a straight line at a natural line of division and make recommendation to the architect.

G18 — Demolition Floor Plan Legend
No Scale

General Notes

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

DEMOLITION REFLECTED CEILING PLAN - SECOND FLOOR
Drawing

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Architect

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Reviewed By: TA

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Scale: 1/8" = 1'-0"
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Date: 03/22/2022

A/A202

A1 — Demolition Reflected Ceiling Plan - Second Floor
1/8" = 1'-0"

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SYMBOLS

- MECHANICAL, Air Supply Grill
- MECHANICAL, Air Return Grill
- MECHANICAL, Strip Grill
- MECHANICAL, Exhaust Fan
- FIRE PROTECTION, Fire Sprinkler Head
- OD — PLUMBING, Overflow Drain
- ACOUSTICAL CEILINGS, Suspended Ceiling Compression Strut/ Splay Wire location
- (RA) — ROOF ACCESSORIES, Roof Hatch
- ELECTRICAL, Light Fixture, Recessed. Unless Noted Otherwise. (p) = Pendant Mounted (s) = Surface Mounted
- HD — ELECTRICAL, Fire Alarm Device, Heat Detector
- SD — ELECTRICAL, Fire Alarm Device, Smoke Detector
- S — ELECTRICAL, Speaker
- (E) Plaster System
- Patch to Match (E) Plaster System, where damaged during Demolition.
- GYPSUM BOARD, Refer to Interior Finish Schedule
- ACOUSTICAL CEILINGS, Refer to Plan for Type.
- Metal Deck
- PLUMBING, Roof Drain, Refer to Plumbing.
- ACCESS DOORS AND FRAMES, Access Doors, Ceiling (20" X 30"), UNO
- 1 Hr. Corridor Wall - (1 Hr. Fire Resistive Construction, 20 Min. Door Assemblies, 45 Min. Window Assemblies)
- 1 Hr. Fire Barrier - (1 Hr. Fire Resistive Construction, 60 Min. Door Assemblies)
- 1 Hr. Occupancy Separation / Fire Partition - (1 Hr. Fire Resistive Construction, 45 Min. Door Assemblies, 45 Min. Window Assemblies)
- 2 Hr. Fire Wall (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Opening Assemblies)
- 2 Hr. Fire Barrier (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Opening Assemblies)
- Reference Point

ABBREVIATIONS

ACT	ACOUSTICAL CEILINGS, Tile, Suspended, Unless Noted Otherwise.
CLG	Ceiling
CP	CEMENT PLASTER, System
(E)	Existing
GB	GYPSUM BOARD, Type 'X', Unless Noted Otherwise.
GLB	GLUE-LAMINATED CONSTRUCTION, Beam
HT	Height
MD	METAL DECK
TYP	Typical
SIM	Similar
OH	Opposite hand
DS	Downspout
OD	Overflow Drain
UNO	Unless Noted Otherwise

NOTES

1. ACOUSTICAL CEILINGS, For typical suspended ceiling support and bracing, Refer to G14 X/A310 A14 X/A310
2. Gypsum Board Ceilings Noted As "CLG HT Varies", Gypsum Board is attached to bottom side of framing/ joists, UNO
3. Ceiling Heights indicated are above Finish Floor at each floor level, UNO.
4. Where Fire Sprinklers occur at Acoustic Tile, Sprinkler Heads shall be centered in the Tile.
5. Not all fire Sprinkler Head locations are shown to provide code required coverage. But locations shown are intended to convey design intent. Coordinate with FIRE PROTECTION.
6. See Structural for framing of soffits and ceilings
7. Single Lights or Single Rows of Lights at Soffits/ Ceilings shall be centered, UNO.

E18 — Reflected Ceiling Legend

No Scale

Board Room Remodel
Fresno Unified School District
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REFLECTED CEILING PLAN- FIRST FLOOR
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Date: 03/22/2022 | Reviewed By: TA

A/A210

A1 — Reflected Ceiling Plan- First Floor

1/8" = 1'-0"

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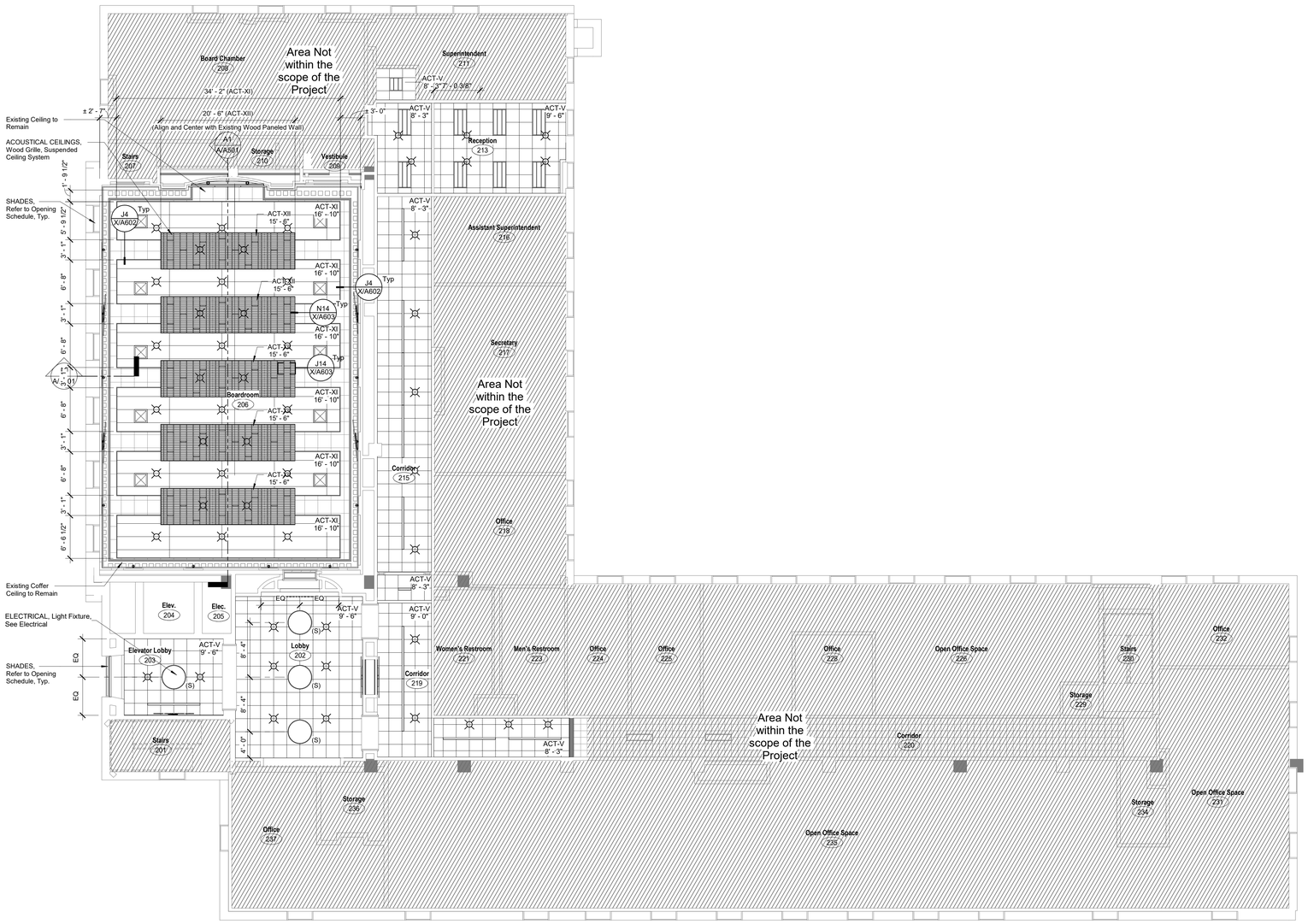

SYMBOLS

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- MECHANICAL, Strip Grill
- MECHANICAL, Exhaust Fan
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- PLUMBING, Roof Drain, Refer to Plumbing.
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- 1 Hr. Occupancy Separation / Fire Partition - (1 Hr. Fire Resistive Construction, 45 Min. Door Assemblies, 45 Min. Window Assemblies)
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- 2 Hr. Fire Barrier (2 Hr. Fire Resistive Construction, 1-1/2 Hr. Opening Assemblies)
- Reference Point

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CP	CEMENT PLASTER, System
(E)	Existing
GB	GYPSUM BOARD, Type 'X', Unless Noted Otherwise.
GLB	GLUE-LAMINATED CONSTRUCTION, Beam
HT	Height
MD	METAL DECK
TYP	Typical
SIM	Similar
OH	Opposite hand
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6. See Structural for framing of soffits and ceilings
7. Single Lights or Single Rows of Lights at Soffits/ Ceilings shall be centered, UNO.

E18 — Reflected Ceiling Legend

No Scale

Board Room Remodel
Fresno Unified School District
Fresno, CA
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REFLECTED CEILING PLAN- SECOND FLOOR
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Architect

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Drawn By: AF/AC
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Reviewed By: TA

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Scale: 1/8" = 1'-0"
Project Number: 1947.IDA
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A/A220

A1 — Reflected Ceiling Plan- Second Floor
1/8" = 1'-0"

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EXTERIOR COLOR LEGEND

Plaster Colors

PC-1 XXX Unless Noted Otherwise

PC-2 XXX

PC-3 XXX

Plaster walls perpendicular to elevation, not shown elsewhere, shall be the same color as face plane, Unless Noted Otherwise.

Block Colors

BC-1 XXX Unless Noted Otherwise

BC-2 XXX

BC-3 XXX

All Precision Block to be BC-X, UNO.
All Split Face Block to be BC-X, UNO.
Concrete Masonry Units below +0'-0" Shall Be BC-X, UNO.

Metal Colors

MC-1 XXX Unless Noted Otherwise

MC-2 XXX

MC-3 XXX

All Hollow Metal Frames to be match adjacent wall.
All Steel and Fabrications to match adjacent wall, UNO.
All METAL DECKING to be MC-1, UNO.
All Metal columns to be MC-1, UNO.

MCM Colors

MCM-1 XXX Unless Noted Otherwise

MCM-2 XXX

MCM-3 XXX

All MCM Panels to be MCM-1, UNO.

Metal Panel Colors

MP-1 XXX Unless Noted Otherwise

MP-2 XXX

MP-3 XXX

Fiber Cement Colors

FC-1 XXX Unless Noted Otherwise

FC-2 XXX

FC-3 XXX

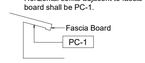
Door Colors

All Doors to match adjacent Frame & Wall, UNO.

Color Notes

1. XX-X Color Designation.
2. Parapet caps to match color of wall below, UNO.
3. Soffits to match color of outer face wall, UNO.

4. Horizontal soffits adjacent to fascia board shall be PC-1.



SYMBOLS

- ELECTRICAL, Horn
- ELECTRICAL, Speaker
- ELECTRICAL, Outlet
- ELECTRICAL, Light Fixture, +10'-0" B.O. Fixture UNO
- Glass

ABBREVIATIONS

AFF	Above Finished Floor
BO	Bottom of
CJ	Control Joint
DS	Downspout
EJ	Expansion Joint
HB	PLUMBING, Hose Bibb.
OD	PLUMBING, Overflow Drain, Refer to Detail G14 X/A310 D14 X/A310
OH	Opposite Hand
Sim.	Similar
TO	Top of
TOM	Top of Masonry
TOP	Top of Parapet Framing
TOF	Top of Framing
TOR	Top of Roof
TOS	Top of Steel
TPL	Top of Plate
Typ.	Typical
UNO	Unless Noted Otherwise

NOTES

1. CEMENT PLASTER, Cement Plaster System, Accessories, Refer to Detail A/A5 X/A310
2. PLUMBING, Rain Water Leader Overflow, Refer to orG14 X/A310 D14 X/A310 See Plumbing Drawings for Location.
3. Refer to Specifications Section Appendix "C" Exterior Color Schedule.
4. Refer to Exterior Finish Schedule on Sheet X/A201.

E18 — Exterior Elevations Legend

No Scale

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EXTERIOR ELEVATIONS
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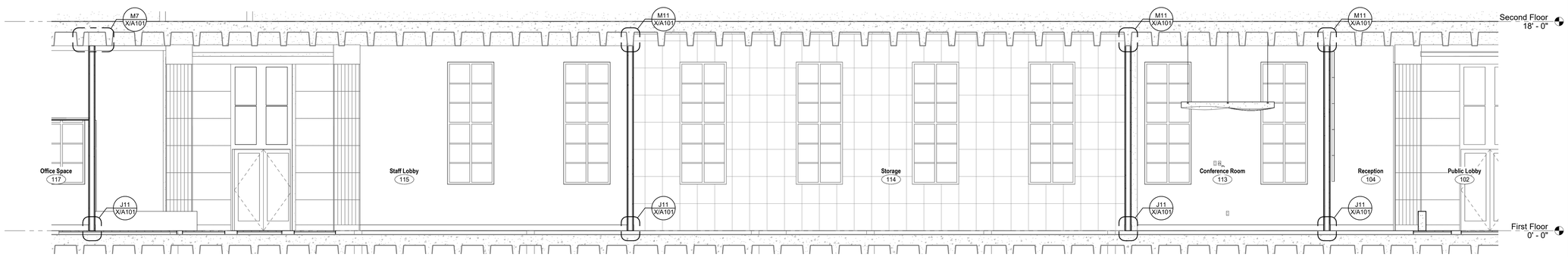
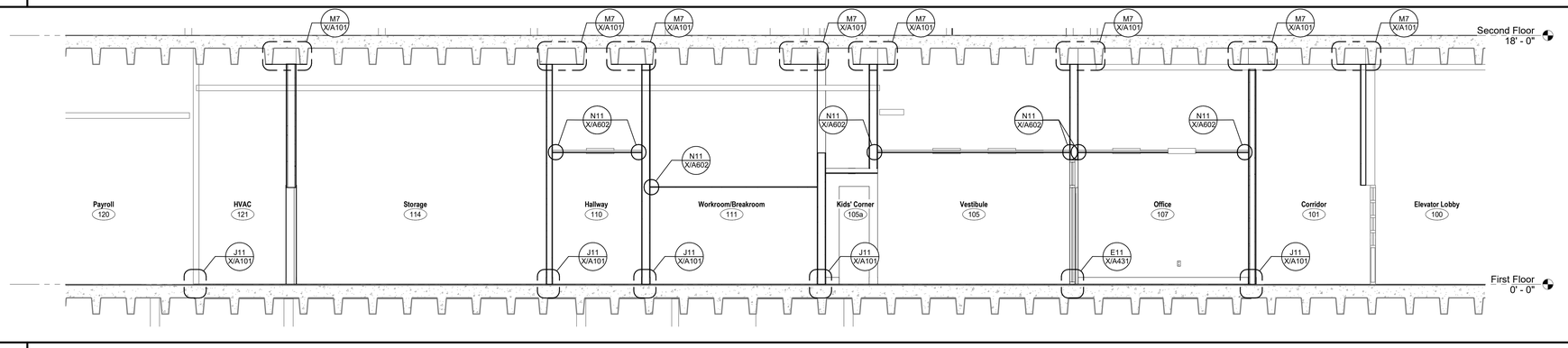


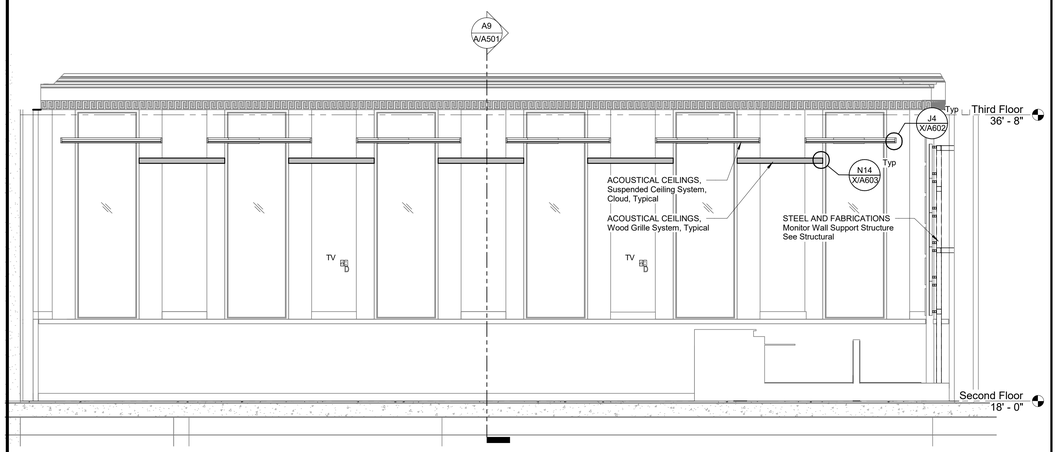
M1 — Building Section

1/4" = 1'-0"



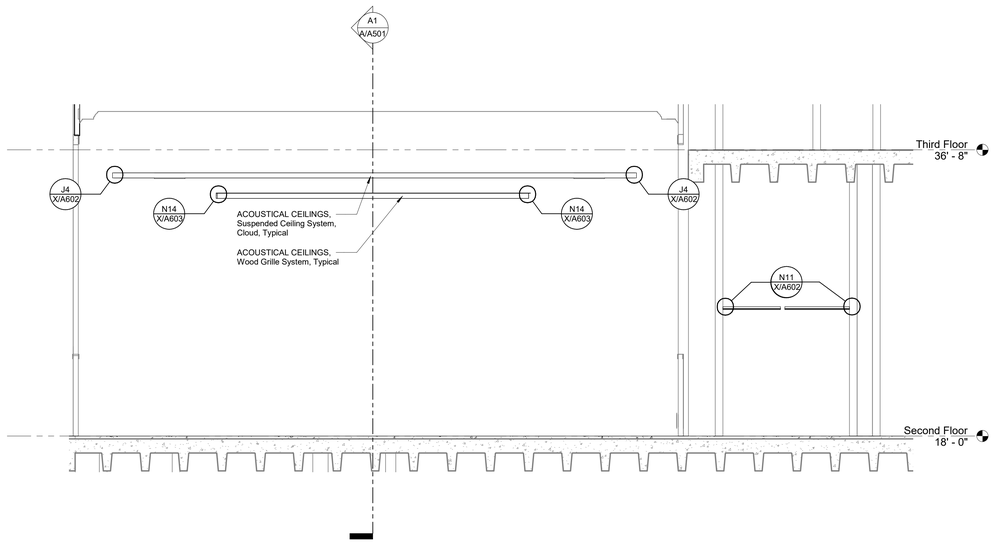
H1 — Building Section

1/4" = 1'-0"



A1 — Building Section

1/4" = 1'-0"



A9 — Building Section

1/4" = 1'-0"

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

BUILDING SECTIONS

Drawing

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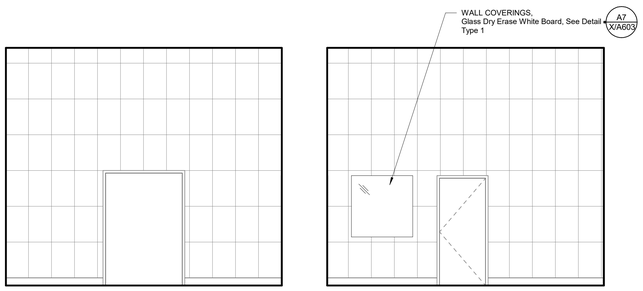
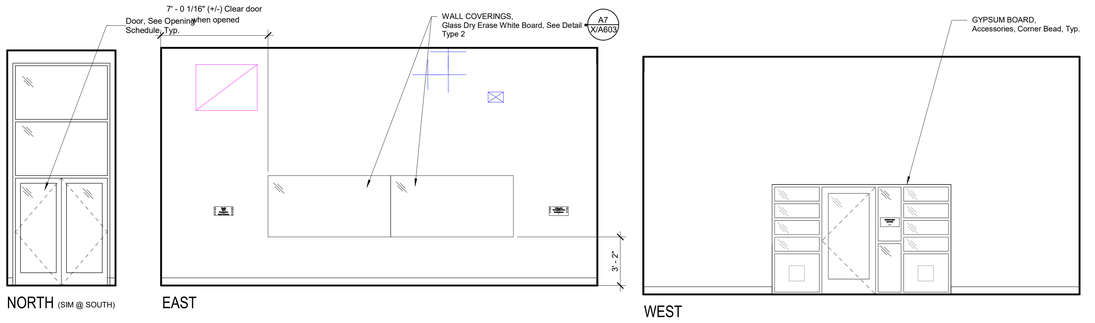
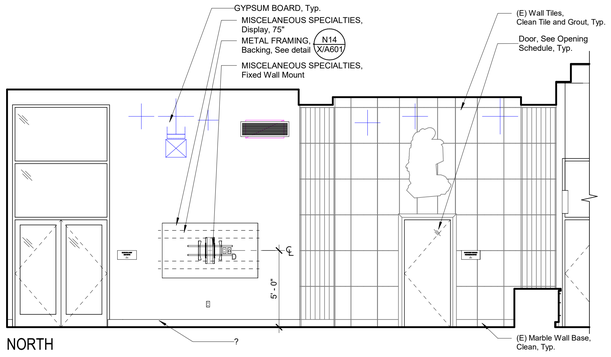
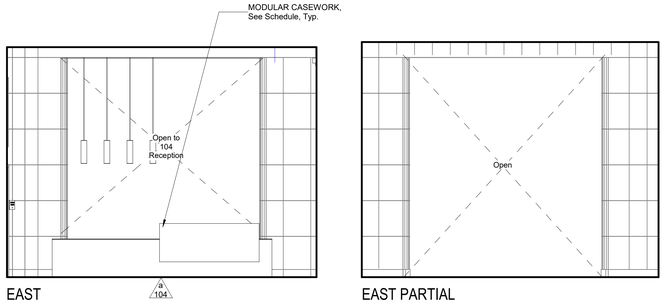


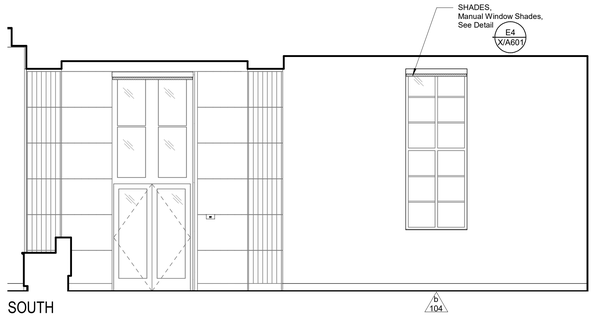
100 Elevator Lobby



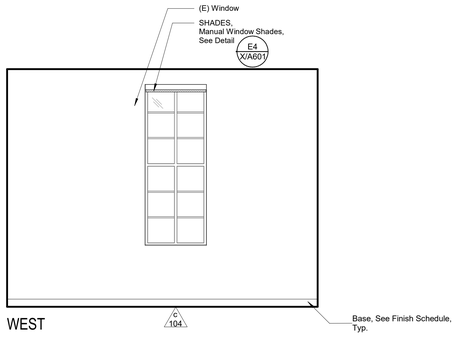
101 Corridor

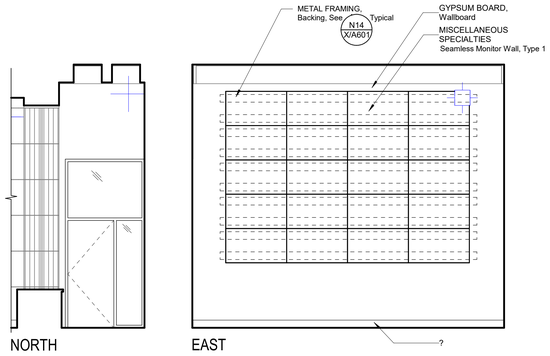


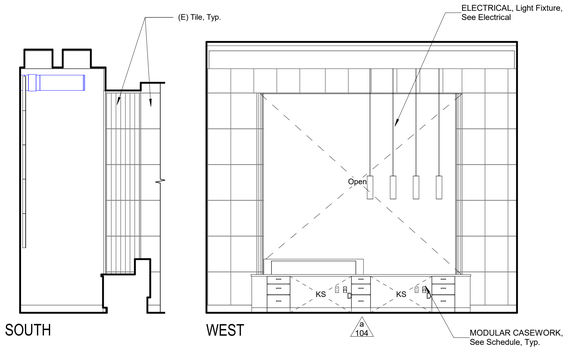




102 Public Lobby

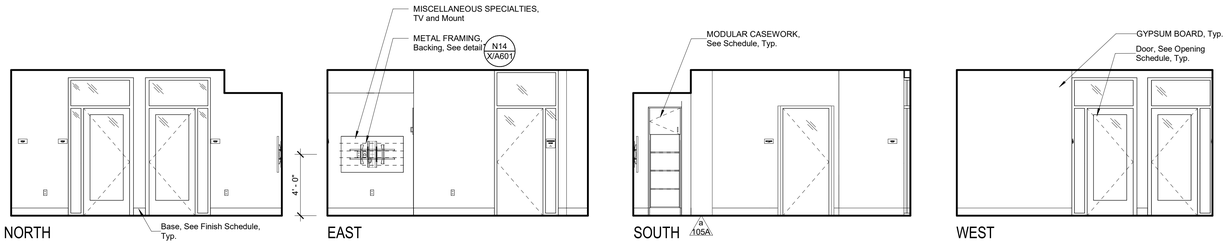






102 Public Lobby
(Continued)

104 Reception



105 Vestibule

SYMBOLS

- a / #### — Cabinet Group No. Refer to Modular Casework Schedule and Lab Casework Schedule.
- 10 — Equipment Item No. Refer to Equipment Schedule.
- FEC — FIRE PROTECTION SPECIALTIES, Fire Extinguisher Cabinet, Top of Cabinet @ +5'-0", Unless Noted Otherwise. Provide Fire Rated Cabinet at Rated Walls
- FEBC — FIRE PROTECTION SPECIALTIES, Fire Extinguisher/Blanket Cabinet, Top of Cabinet @ +5'-0", Unless Noted Otherwise. Provide Fire Rated Cabinet at Rated Walls. Provide Surface Mounted Cabinet at Rated Walls Where Stud Depth is Less than 6" and at Masonry Walls.
- ELECTRICAL, Speaker @ +7'-6" to center of device, Unless Noted Otherwise.
- ELECTRICAL, Clock @ +7'-6" to center of device, Unless Noted Otherwise.
- ELECTRICAL, Clock/Speaker @ +7'-6" to center of device, Unless Noted Otherwise.
- E — ELECTRICAL, Outlet
- E — ELECTRICAL, Light Switch
- E FA — ELECTRICAL, Fire Alarm Device
- E V — ELECTRICAL, Volume Control
- E TV — ELECTRICAL, Television Outlet
- T — MECHANICAL, Thermostat
- HB — PLUMBING, Hose Bib
- E D — ELECTRICAL, Data Outlet
- E M — ELECTRICAL, Microphone Outlet
- E IS — ELECTRICAL, Intrusion Sensor
- E MS — ELECTRICAL, Motion Sensor
- E — ELECTRICAL, Telephone Outlet

ABBREVIATIONS

Gl.	Glass
KS	Knee Space
OH	Opposite Hand
Typ.	Typical
Sim.	Similar
Dia.	Diameter
UNO	Unless Noted Otherwise

NOTES

1. All Details, Materials and Finishes shall be considered typical for all similar conditions Unless Noted Otherwise.
2. Refer to Plumbing, Mechanical, Telecommunications, Food Service, and Electrical for all wall mounted devices and coordinate location and heights with Architectural (ie. casework, equipment, etc.)
3. Locate and mount TOILET ACCESSORIES and PLUMBING per detail A11 X/A601 Unless Noted Otherwise.
4. Provide backing at all TOILET ACCESSORIES and IDENTIFYING DEVICES per detail N14 X/A601 Unless Noted Otherwise.
5. Provide Backing for TOILET ACCESSORIES, Grab Bars per detail A7 X/A601
6. Locate and mount IDENTIFYING DEVICES per detail E11 X/A601 Unless Noted Otherwise.
7. Provide backing at all MODULAR CASEWORK per detail L14 X/A310
8. Attach all MODULAR CASEWORK per details A14 X/A310 G14 X/A310
9. GYPSUM BOARD, Metal Accessories, see detail A14 X/A603 Typ

G18	Interior Elevation legend
No Scale	

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

INTERIOR ELEVATIONS- ROOMS 101 - 105
Drawing

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Scale: 1/4" = 1'-0"	Drawn By: AF/AC	A/A601
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Date: 03/22/2022	Reviewed By: TA	

A1	Interior Elevations
1/4" = 1'-0"	Refer to G18 for Interior Elevation Legend.

3/31/2022 2:28:50 PM
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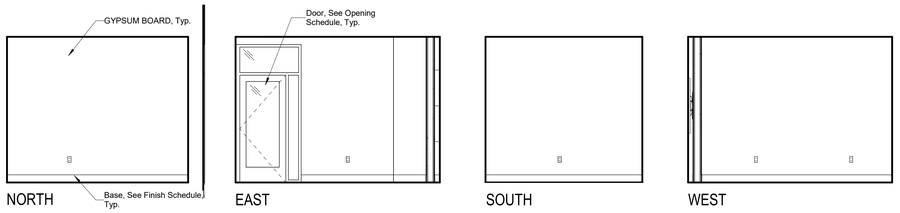
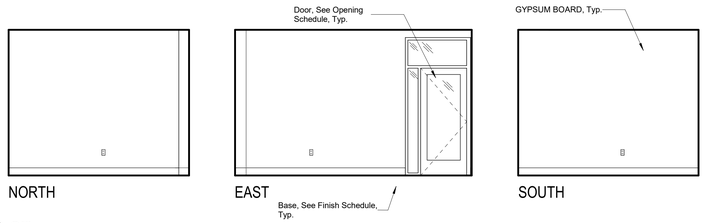
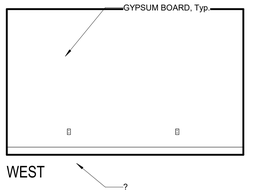


106 Office



107 Office



107 Office
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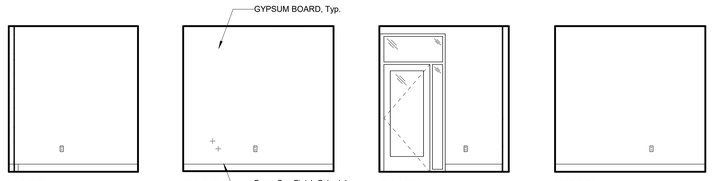

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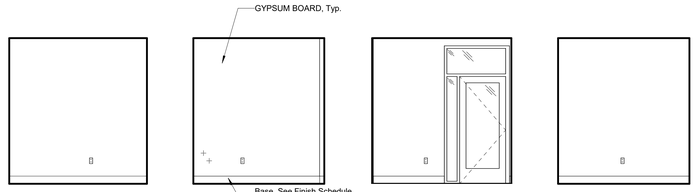
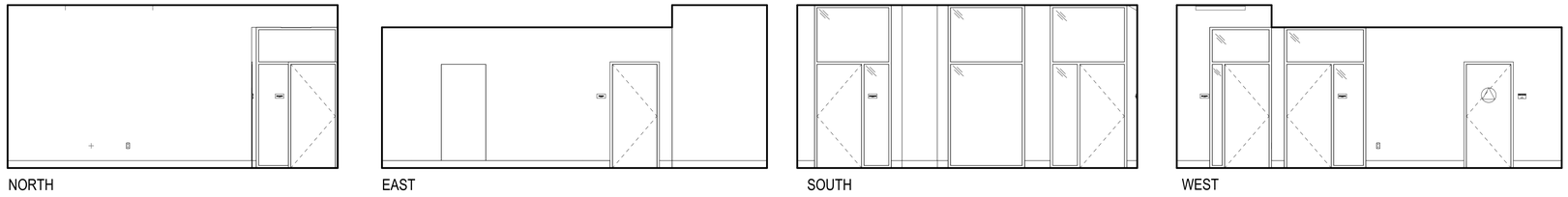
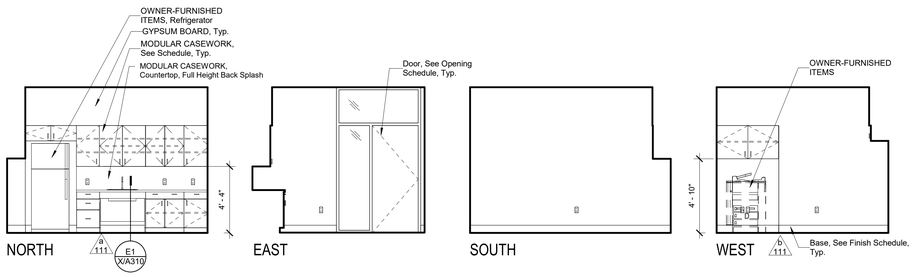


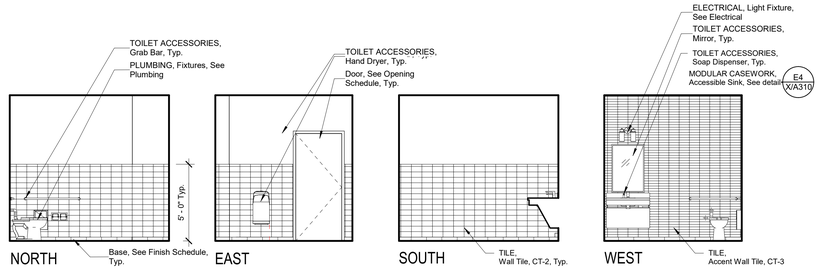
109 Office



110 Hallway



111 Workroom/Breakroom



112 Restroom

SYMBOLS

- Cabinet Group No. Refer to Modular Casework Schedule and Lab Casework Schedule.
- 10 — Equipment Item No. Refer to Equipment Schedule.
- FEC — FIRE PROTECTION SPECIALTIES, Fire Extinguisher Cabinet, Top of Cabinet @ +5'-0", Unless Noted Otherwise. Provide Fire Rated Cabinet at Rated Walls
- FEBC — FIRE PROTECTION SPECIALTIES, Fire Extinguisher/Blanket Cabinet, Top of Cabinet @ +5'-0", Unless Noted Otherwise. Provide Fire Rated Cabinet at Rated Walls. Provide Surface Mounted Cabinet at Rated Walls Where Stud Depth is Less than 6" and at Masonry Walls.
- ELECTRICAL, Speaker @ +7'-6" to center of device, Unless Noted Otherwise.
- ELECTRICAL, Clock @ +7'-6" to center of device, Unless Noted Otherwise.
- ELECTRICAL, Clock/Speaker @ +7'-6" to center of device, Unless Noted Otherwise.
- ELECTRICAL, Outlet
- ELECTRICAL, Light Switch
- FA — ELECTRICAL, Fire Alarm Device
- V — ELECTRICAL, Volume Control
- TV — ELECTRICAL, Television Outlet
- T — MECHANICAL, Thermostat
- HB — PLUMBING, Hose Bib
- D — ELECTRICAL, Data Outlet
- M — ELECTRICAL, Microphone Outlet
- IS — ELECTRICAL, Intrusion Sensor
- MS — ELECTRICAL, Motion Sensor
- TP — ELECTRICAL, Telephone Outlet

ABBREVIATIONS

Gl.	Glass
KS	Knee Space
OH	Opposite Hand
Typ.	Typical
Sim.	Similar
Dia.	Diameter
UNO	Unless Noted Otherwise

NOTES

1. All Details, Materials and Finishes shall be considered typical for all similar conditions Unless Noted Otherwise.
2. Refer to Plumbing, Mechanical, Telecommunications, Food Service, and Electrical for all wall mounted devices and coordinate location and heights with Architectural (ie. casework, equipment, etc.)
3. Locate and mount TOILET ACCESSORIES and PLUMBING per detail A11 X/A601 Unless Noted Otherwise.
4. Provide backing at all TOILET ACCESSORIES and IDENTIFYING DEVICES per detail N14 X/A601 Unless Noted Otherwise.
5. Provide Backing for TOILET ACCESSORIES, Grab Bars per detail A7 X/A601
6. Locate and mount IDENTIFYING DEVICES per detail E11 X/A601 Unless Noted Otherwise.
7. Provide backing at all MODULAR CASEWORK per detail L14 X/A310
8. Attach all MODULAR CASEWORK per details A14 X/A310 G14 X/A310
9. GYPSUM BOARD, Metal Accessories, see detail A14 X/A603 Typ

G18 — Interior Elevation legend
No Scale

General Notes

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

INTERIOR ELEVATIONS- ROOMS 106 - 112
Drawing

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Architect

No.	Revision/Submission	Date

Revision

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Designed By:	AF/DD
Drawn By:	AF/AC
Checked By:	AC
Reviewed By:	TA

Scale: 1/4" = 1'-0"
Project Numbe1947.IDA
Date: 03/22/2022

A/A602

A1 — Interior Elevations
1/4" = 1'-0" — Refer to G18 for Interior Elevation Legend.

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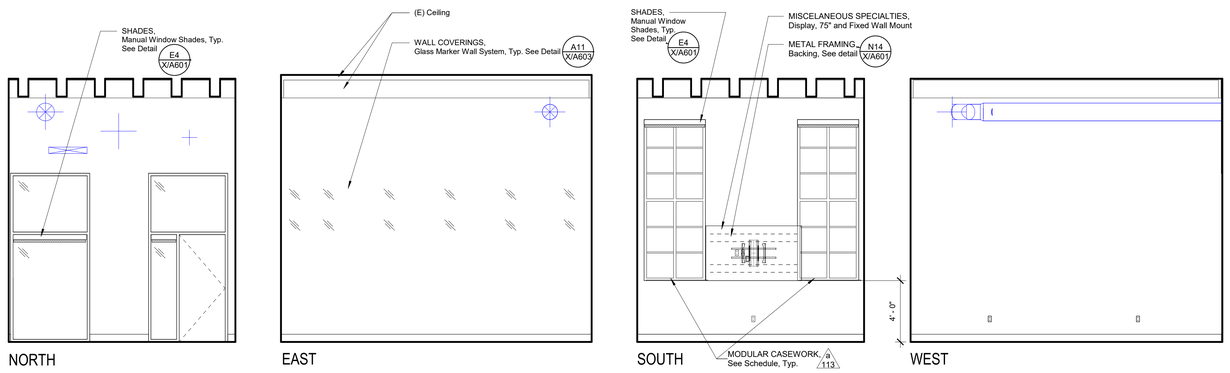
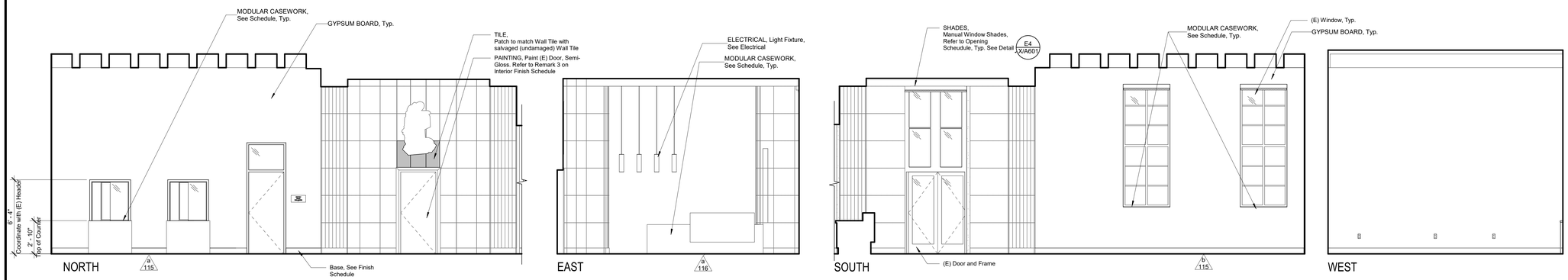
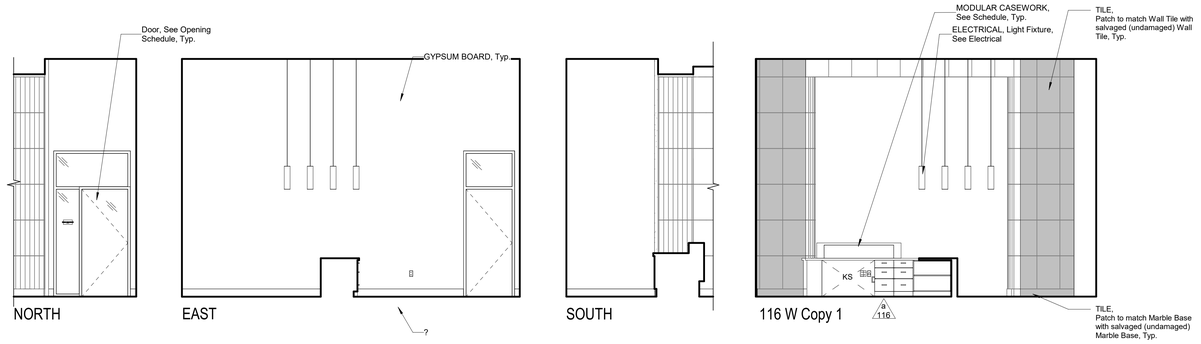


113 Conference Room



115 Staff Lobby



117 Office Space

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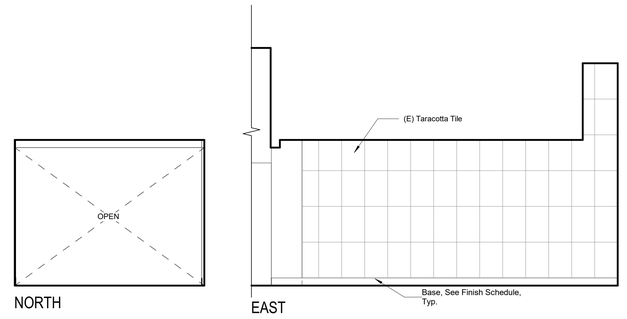

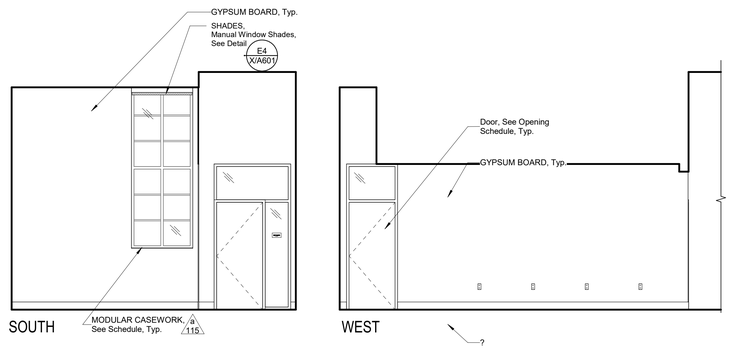

117 Office Space

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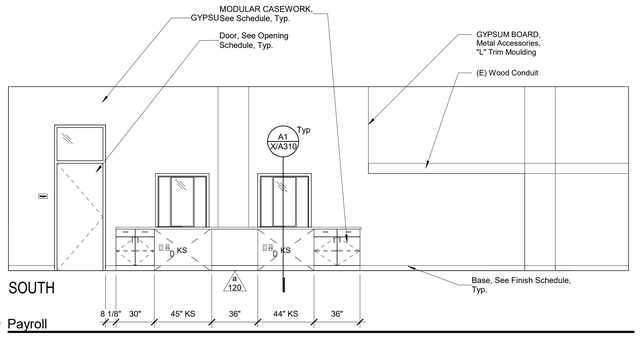

120 Payroll

SYMBOLS

- ### — Cabinet Group No. Refer to Modular Casework Schedule and Lab Casework Schedule.
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- E_D — ELECTRICAL, Data Outlet
- E — ELECTRICAL, Light Switch
- E_M — ELECTRICAL, Microphone Outlet
- E_FA — ELECTRICAL, Fire Alarm Device
- E_IS — ELECTRICAL, Intrusion Sensor
- E_V — ELECTRICAL, Volume Control
- E_MS — ELECTRICAL, Motion Sensor
- E_TV — ELECTRICAL, Television Outlet
- E_TP — ELECTRICAL, Telephone Outlet
- T — MECHANICAL, Thermostat
- T_HB — PLUMBING, Hose Bib

ABBREVIATIONS

Gl.	Glass
KS	Knee Space
OH	Opposite Hand
Typ.	Typical
Sim.	Similar
Dia.	Diameter
UNO	Unless Noted Otherwise

NOTES

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4. Provide backing at all TOILET ACCESSORIES and IDENTIFYING DEVICES per detail N14 X/A601 Unless Noted Otherwise.
5. Provide Backing for TOILET ACCESSORIES, Grab Bars per detail A7 X/A601
6. Locate and mount IDENTIFYING DEVICES per detail E11 X/A601 Unless Noted Otherwise.
7. Provide backing at all MODULAR CASEWORK per detail L14 X/A310
8. Attach all MODULAR CASEWORK per details A14 X/A310 G14 X/A310
9. GYPSUM BOARD, Metal Accessories, see detail A14 X/A603 Typ

G18	Interior Elevation legend
No Scale	

General Notes

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

INTERIOR ELEVATIONS- ROOMS 113-120

Drawing

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26035 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

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	Designed BAF/DD	
Scale: 1/4" = 1'-0"	Drawn By: AF/AC	A/A603
Project Numbe1947.IDA	Checked By: AC	
Date: 03/22/2022	Reviewed By: TA	

A1	Interior Elevations
1/4" = 1'-0"	Refer to G18 for Interior Elevation Legend.

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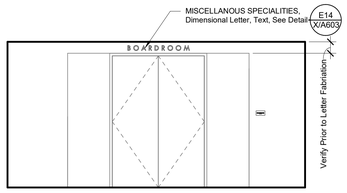
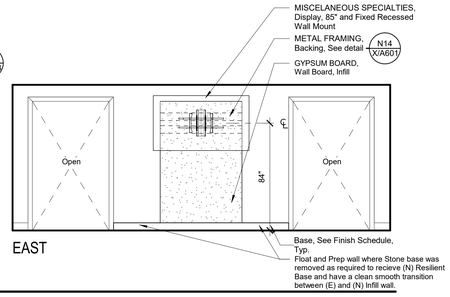
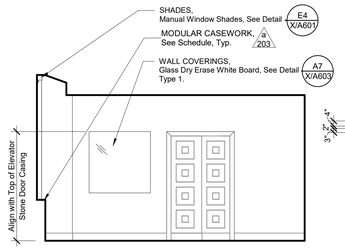
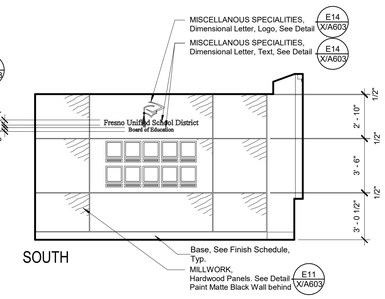


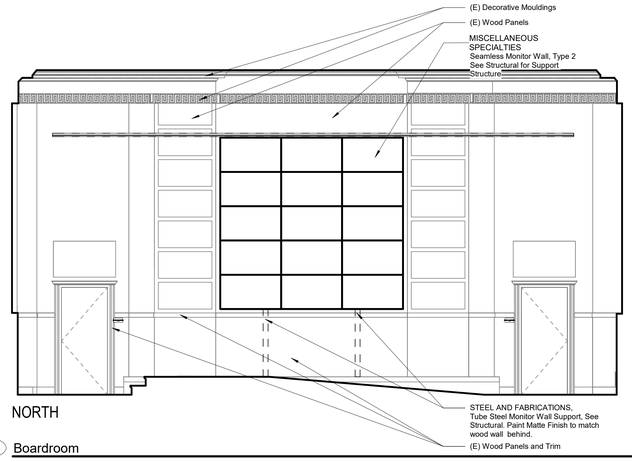


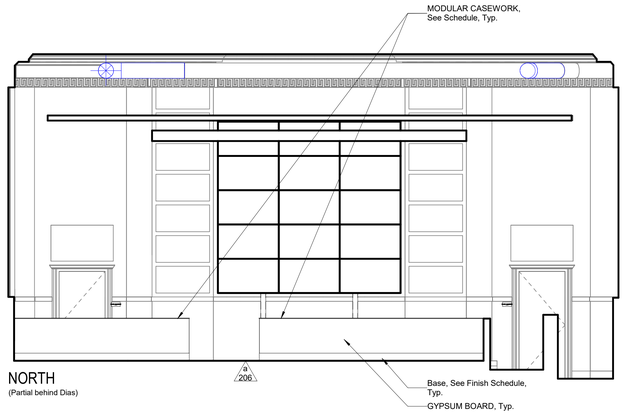
202 Lobby

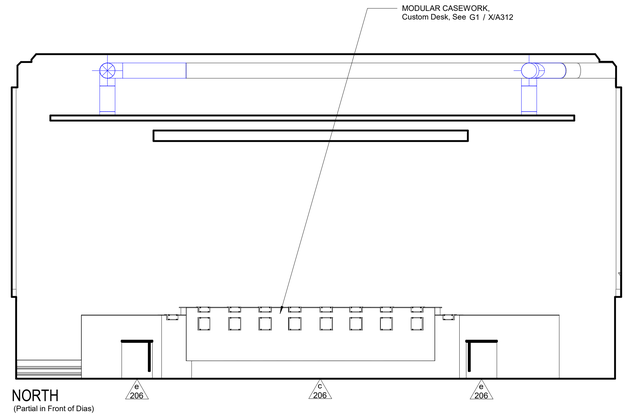




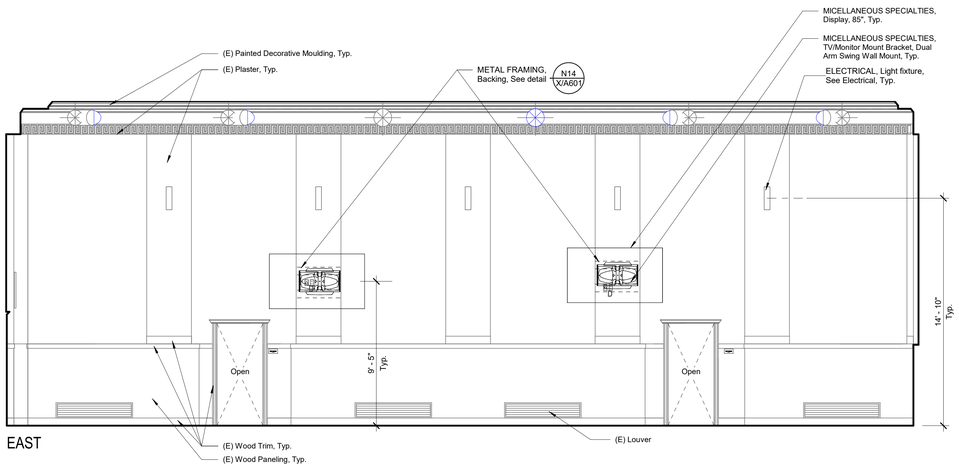
203 Elevator Lobby

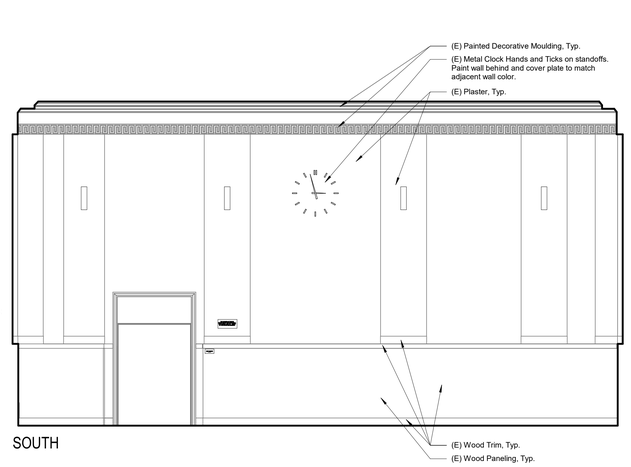






206 Boardroom





206 Boardroom
(Continued)

SYMBOLS

- a / ### — Cabinet Group No. Refer to Modular Casework Schedule and Lab Casework Schedule.
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- ELECTRICAL, Clock/Speaker @ +7'-6" to center of device, Unless Noted Otherwise.
- E — ELECTRICAL, Outlet
- E_D — ELECTRICAL, Data Outlet
- E — ELECTRICAL, Light Switch
- E_M — ELECTRICAL, Microphone Outlet
- E_FA — ELECTRICAL, Fire Alarm Device
- E_IS — ELECTRICAL, Intrusion Sensor
- E_V — ELECTRICAL, Volume Control
- E_MS — ELECTRICAL, Motion Sensor
- E_TV — ELECTRICAL, Television Outlet
- T — ELECTRICAL, Telephone Outlet
- T — MECHANICAL, Thermostat
- HB — PLUMBING, Hose Bib

ABBREVIATIONS

Gl.	Glass
KS	Knee Space
OH	Opposite Hand
Typ.	Typical
Sim.	Similar
Dia.	Diameter
UNO	Unless Noted Otherwise

NOTES

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5. Provide Backing for TOILET ACCESSORIES, Grab Bars per detail A7 X/A601
6. Locate and mount IDENTIFYING DEVICES per detail E11 X/A601 Unless Noted Otherwise.
7. Provide backing at all MODULAR CASEWORK per detail L14 X/A310
8. Attach all MODULAR CASEWORK per details A14 X/A310 G14 X/A310
9. GYPSUM BOARD, Metal Accessories, see detail A14 X/A603 Typ

G18 — Interior Elevation legend
No Scale

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

INTERIOR ELEVATIONS- ROOMS 202, 206
Drawing

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LICENSED ARCHITECT ANTONIO J. ALVAREZ No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

Designed BY AF/DD
Drawn By: AF/AC
Checked By: AC
Reviewed By: TA

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Scale: 1/4" = 1'-0"
Project Numbe 1947.IDA
Date: 03/22/2022

A/A604

A1 — Interior Elevations
1/4" = 1'-0"
Refer to G18 for Interior Elevation Legend.

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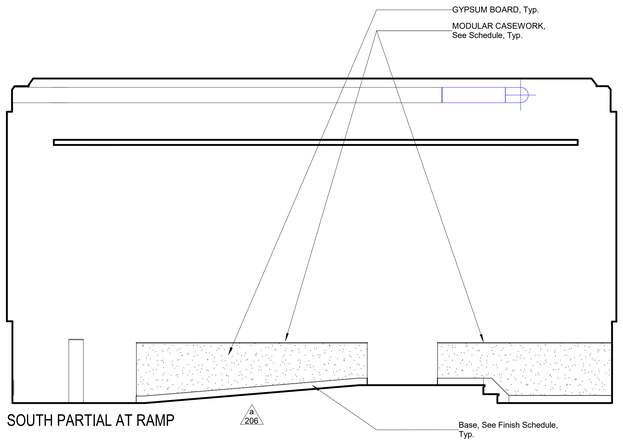
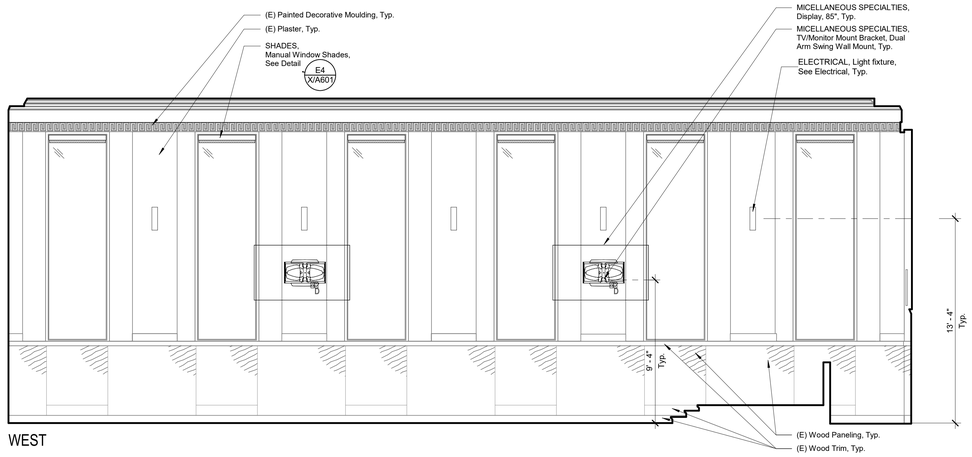
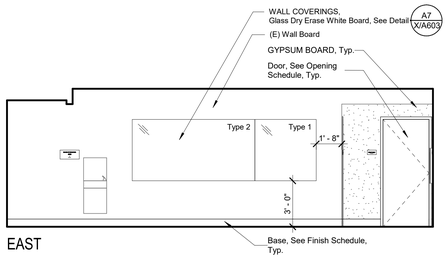


SOUTH PARTIAL AT RAMP



WEST



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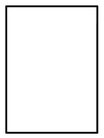

WEST

219 Corridor

220 Corridor

SYMBOLS

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- E — ELECTRICAL, Outlet
- E — ELECTRICAL, Light Switch
- E FA — ELECTRICAL, Fire Alarm Device
- E V — ELECTRICAL, Volume Control
- E TV — ELECTRICAL, Television Outlet
- T — MECHANICAL, Thermostat
- HB — PLUMBING, Hose Bib
- E D — ELECTRICAL, Data Outlet
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ABBREVIATIONS

Gl.	Glass
KS	Knee Space
OH	Opposite Hand
Typ.	Typical
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UNO	Unless Noted Otherwise

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8. Attach all MODULAR CASEWORK per details A14 X/A310 G14 X/A310
9. GYPSUM BOARD, Metal Accessories, see detail A14 X/A603 Typ

G18 — Interior Elevation legend

No Scale

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

INTERIOR ELEVATIONS- ROOMS 206, 219, 238

Drawing

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed BAF/DD

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Scale: 1/4" = 1'-0"
Drawn By: AF/AC
Project Numbe1947.IDA
Checked By: AC
Date: 03/22/2022
Reviewed By: TA

A/A605

A1 — Interior Elevations

1/4" = 1'-0"

Refer to G18 for Interior Elevation Legend.

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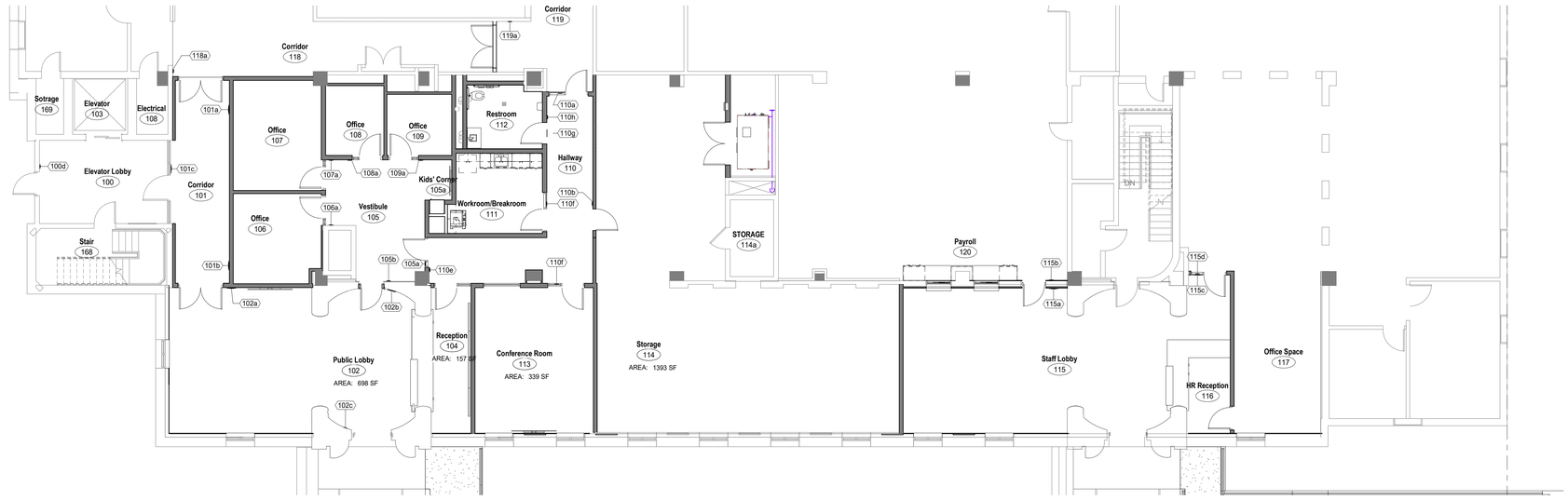
Signage Schedule- First Floor

Sign Mark	Door No	Sign Type	Sign Material	Sign Copy Line 1	Sign Copy Line 2	Sign Copy Line 3	Mtg Height	Mtg Cond	Remarks
110h	112 a	2a	--	RESTROOM	-	-	4' - 11"	-	-
110g	112 a	2d	--	-	-	-	4' - 11"	-	-
102c	102 a	6a	-	EXIT	-	-	5' - 0"	-	-
105b	102 a	6a	-	EXIT ROUTE	-	-	5' - 0"	-	-
110e	110 c	6a	-	EXIT ROUTE	-	-	5' - 0"	1	-
110a	110 a	6a	-	EXIT ROUTE	-	-	5' - 0"	4	-
119a	119 a	6a	-	EXIT ROUTE	-	-	5' - 0"	6	-
100d	100 a	6a	-	EXIT	-	-	5' - 0"	6	-
118a	101 a	6a	-	EXIT ROUTE	-	-	5' - 0"	6	-
110f	111 a	6a	-	BREAKROOM	-	-	5' - 0"	5	-
110b	110 b	6a	-	STORAGE	-	-	5' - 0"	1	-
109a	109 a	6a	-	OFFICE	-	-	5' - 0"	1	-
108a	108 a	6a	-	OFFICE	-	-	5' - 0"	1	-
107a	108 a	6a	-	OFFICE	-	-	5' - 0"	1	-
106a	106 a	6a	-	OFFICE	-	-	5' - 0"	1	-
110f	110g	6a	-	CONFERENCE	-	-	5' - 0"	5	-
115c	115 d	6a	-	HUMAN RESOURCES	-	-	5' - 0"	6	-
115d	115 d	6a	-	EXIT ROUTE	-	-	5' - 0"	-	-
115b	115 c	6a	-	EXIT ROUTE	-	-	5' - 0"	-	-
105a	110 c	6c	-	CONFERENCE	ROOMS	-	5' - 0"	6	-
102b	105 a	6d	-	CONSTITUENT SERVICES	CONFERENCE ROOMS	-	5' - 0"	6	-
102a	101 b	6d	-	ELEVATOR LOBBY	EXIT ROUTE	-	5' - 0"	-	-
101c	100 (E)	6d	-	ELEVATOR LOBBY	EXIT ROUTE	-	5' - 0"	-	-
115a	115 d	6d	-	STAFF ONLY	PAYROLL	FISCAL SERVICES	5' - 0"	6	-

L1 — Signage Schedule

No Scale



A1 — Signage Plan- First Floor

1/8" = 1'-0"

MOUNTING CONDITION

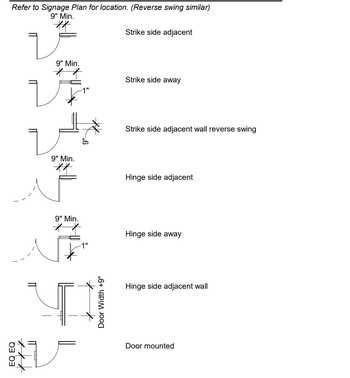
1. Metal Stud Framed Wall
2. Wood Stud Framed Wall
3. Concrete and Concrete Masonry
4. Glass
5. Door
6. See Plan

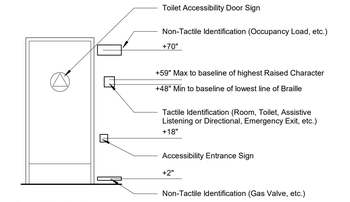
SIGN MATERIAL

A	=	Acrylic
EM	=	Exterior Metal.
IM	=	Interior Metal.
EP	=	Exterior Plastic.
IP	=	Interior Plastic.
D	=	Decal.

MOUNTING LOCATION

Refer to Signage Plan for location. (Reverse swing similar)





Typical Mounting Heights

Scale: N.T.S.

NOTES

1. Refer to Specification Section IDENTIFYING DEVICES.
2. Refer to Plan for Mounting Location.
3. Verify Sign Copy with Owner prior to fabrication, "-" indicates a blank space
4. For IDENTIFYING DEVICES, Signage Dimensions, refer to detail E11 X/A601

H18 — Signage Schedule Legend

No Scale

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

SIGNAGE PLAN- FIRST FLOOR

Drawing

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LICENSED ARCHITECT ANTONIO J. ANDREW No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed BY: AF/DD

Drawn By: AF/AC

Checked By: AC

Reviewed By: TA

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

Project Numbe1947.IDA

Date: 03/22/2022

A/A710

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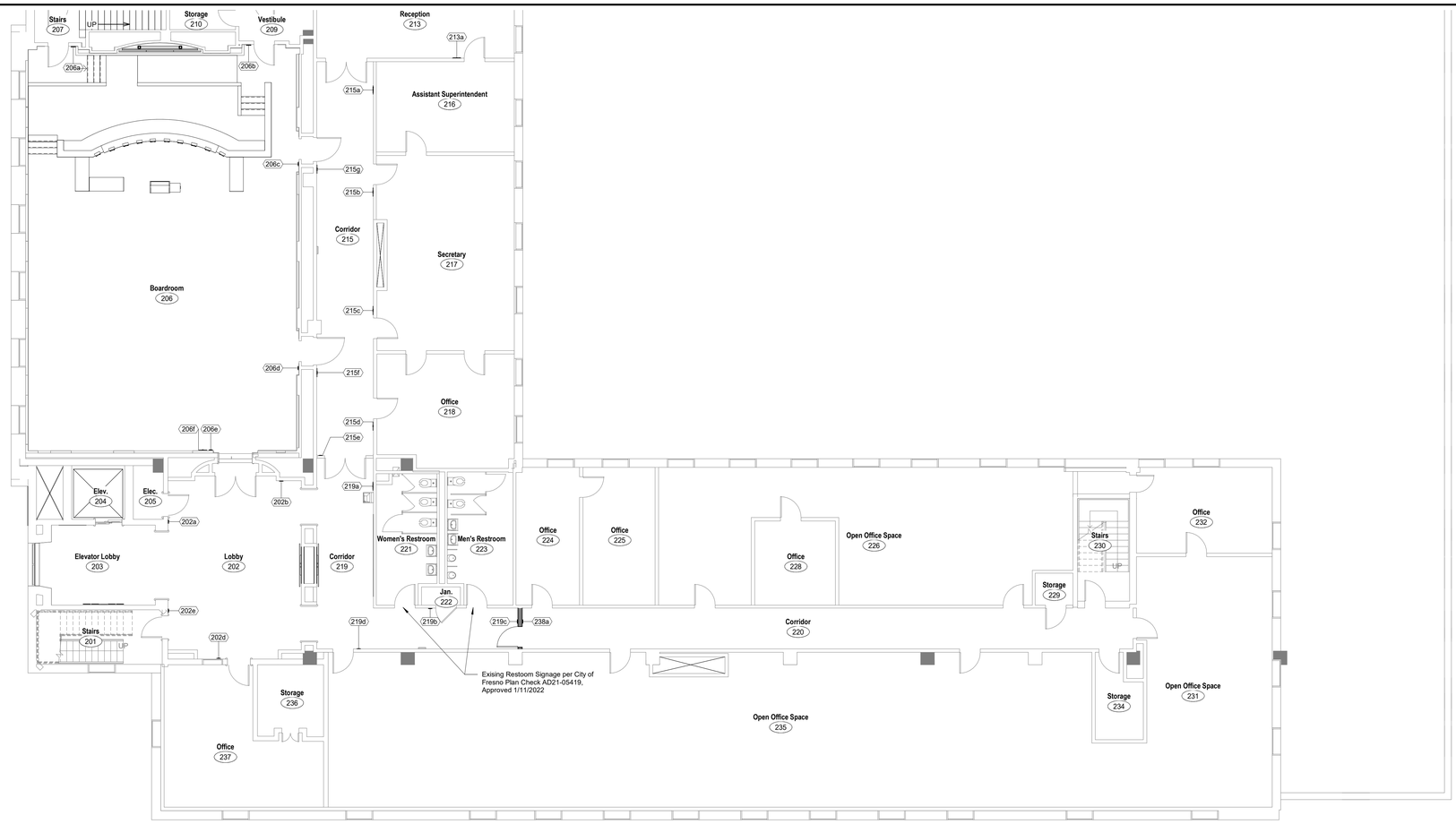
Signage Schedule- Second Floor

Sign Mark	Door No	Sign Type	Sign Material	Sign Copy Line 1	Sign Copy Line 2	Sign Copy Line 3	Sign Copy Line 4	Mtg Height	Mtg Cond	Remarks
206f	206 (E)	3a	--	####	-	-	-	6' - 8"	-	-
206e	206 (E)	6a	-	EXIT ROUTE	-	-	-	5' - 0"	6	-
206d	206 (E)	6a	-	EXIT ROUTE	-	-	-	5' - 0"	6	-
206c	206 (E)	6a	-	EXIT ROUTE	-	-	-	5' - 0"	6	-
202e	201 (E)	6a	-	EXIT ROUTE	-	-	-	5' - 0"	6	-
238a	219 a	6a	-	EXIT ROUTE	-	-	-	5' - 0"	1	-
219c	219 a	6a	-	STAFF ONLY	-	-	-	5' - 0"	1	-
215e	219 (E)	6a	-	EXIT ROUTE	-	-	-	5' - 0"	4	-
202b	215 (E)	6a	-	BOARDROOM	-	-	-	5' - 0"	1	-
202a	205 (E)	6a	-	ELECTRICAL	-	-	-	5' - 0"	1	-
202d	237 (E)	6a	-	OFFICE	-	-	-	5' - 0"	4	-
219d	235 (E)	6a	-	OFFICE	-	-	-	5' - 0"	1	-
219b	219 (E)	6a	-	JANITORIAL	-	-	-	5' - 0"	1	-
206b	206 (E)	6a	-	BOARD CHAMBERS	-	-	-	5' - 0"	6	-
206a	206 (E)	6a	-	BOARD CHAMBERS	-	-	-	5' - 0"	6	-
215a	213 (E)	6d	-	SUPERINTENDENT SUITE	219	-	-	5' - 0"	1	-
213a	213 (E)	6d	-	ASSISTANT SUPERINTENDENT	216	-	-	5' - 0"	1	-
215b	217 (E)	6d	-	SECRETARY	217	-	-	5' - 0"	1	-
215c	217 (E)	6d	-	SECRETARY	217	-	-	5' - 0"	1	-
215d	217 (E)	6d	-	OFFICE	218	-	-	5' - 0"	1	-
215f	215 (E)	6d	-	BOARDROOM	-	-	-	5' - 0"	1	-
215g	215 (E)	6d	-	BOARDROOM	-	-	-	5' - 0"	1	-
219a	219 (E)	6d	-	BOARD OF EDUCATION	SUITE	-	-	5' - 0"	1	-

L1 — Signage Schedule

No Scale



A1 — Second Floor

1/8" = 1'-0"

N

MOUNTING CONDITION

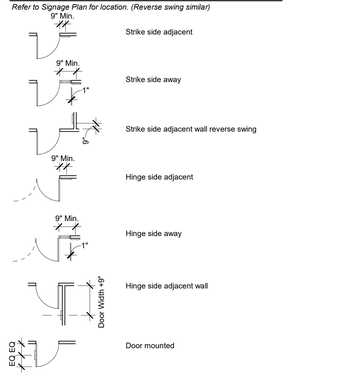
1. Metal Stud Framed Wall
2. Wood Stud Framed Wall
3. Concrete and Concrete Masonry
4. Glass
5. Door
6. See Plan

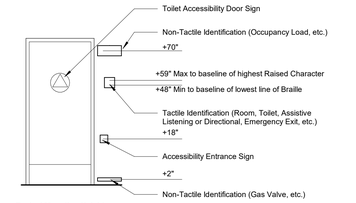
SIGN MATERIAL

A	=	Acrylic
EM	=	Exterior Metal.
IM	=	Interior Metal.
EP	=	Exterior Plastic.
IP	=	Interior Plastic.
D	=	Decal.

MOUNTING LOCATION

Refer to Signage Plan for location. (Reverse swing similar)





Typical Mounting Heights

Scale: N.T.S.

NOTES

1. Refer to Specification Section IDENTIFYING DEVICES.
2. Refer to Plan for Mounting Location.
3. Velfy Sign Copy with Owner prior to fabrication, "-" indicates a blank space
4. For IDENTIFYING DEVICES, Signage Dimensions, refer to detail E11 X/A601

H18 — Signage Schedule Legend

No Scale

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

SIGNAGE PLAN- SECOND FLOOR

Drawing

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LICENSED ARCHITECT ANTONIO J. ALVAREZ No. C26235 Exp. 10-31-2023 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed BAF/DD

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Scale: 1/8" = 1'-0"
Drawn By: AF/AC
Project Numbe1947.IDA
Checked By: AC
Date: 03/22/2022
Reviewed By: TA

A/A720

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LEGEND

- TERRAZZO, existing to be Polished
- CARPET, Modular Tile, MT-1
- CARPET, Modular Tile, MT-2
- CARPET, Walk Off, WO-1
- TILE, Ceramic Interior Floor Tile, CT-1
- RESILIENT SHEET, Vinyl Sheet, RS-1
- RESILIENT TILE, Luxury Vinyl Tile, RT-1
- RESILIENT TILE, Luxury Vinyl Tile, RT-2, Color 1
- RESILIENT TILE, Luxury Vinyl Tile, RT-2, Color 2
- RESILIENT TILE, Rubber Tile, RT-3

NOTES

1. The intent of this drawing is to clarify and detail the color and patterns of finishes. All information regarding construction conditions, casework, framing and ceiling details, etc. shall be per Architectural plans, unless otherwise noted.
2. This Drawing is provided for the convenience of the Contractor. Field verify all conditions and dimensions prior to fabrication, installation or application.
3. Refer to appropriate Specification Sections for Materials, Systems and Types.
4. Refer to Interior Finish Schedule for Paint Finish.
5. Refer to Interior Color Schedule for additional Information on Manufacturer, Pattern and Color.

G18 — Floor Pattern Legend

No Scale

? — 1/4" = 1'-0"

A800 - Floor Pattern

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

FLOOR PATTERN PLAN- FIRST FLOOR

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

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Designed BAF/DD
Drawn By: AF/AC
Checked By: AC
Reviewed By: TA

Scale: As indicated
Project Numbe1947.IDA
Date: 03/22/2022

A/A801

A1 — Floor Pattern Plan - First Floor

1/8" = 1'-0"

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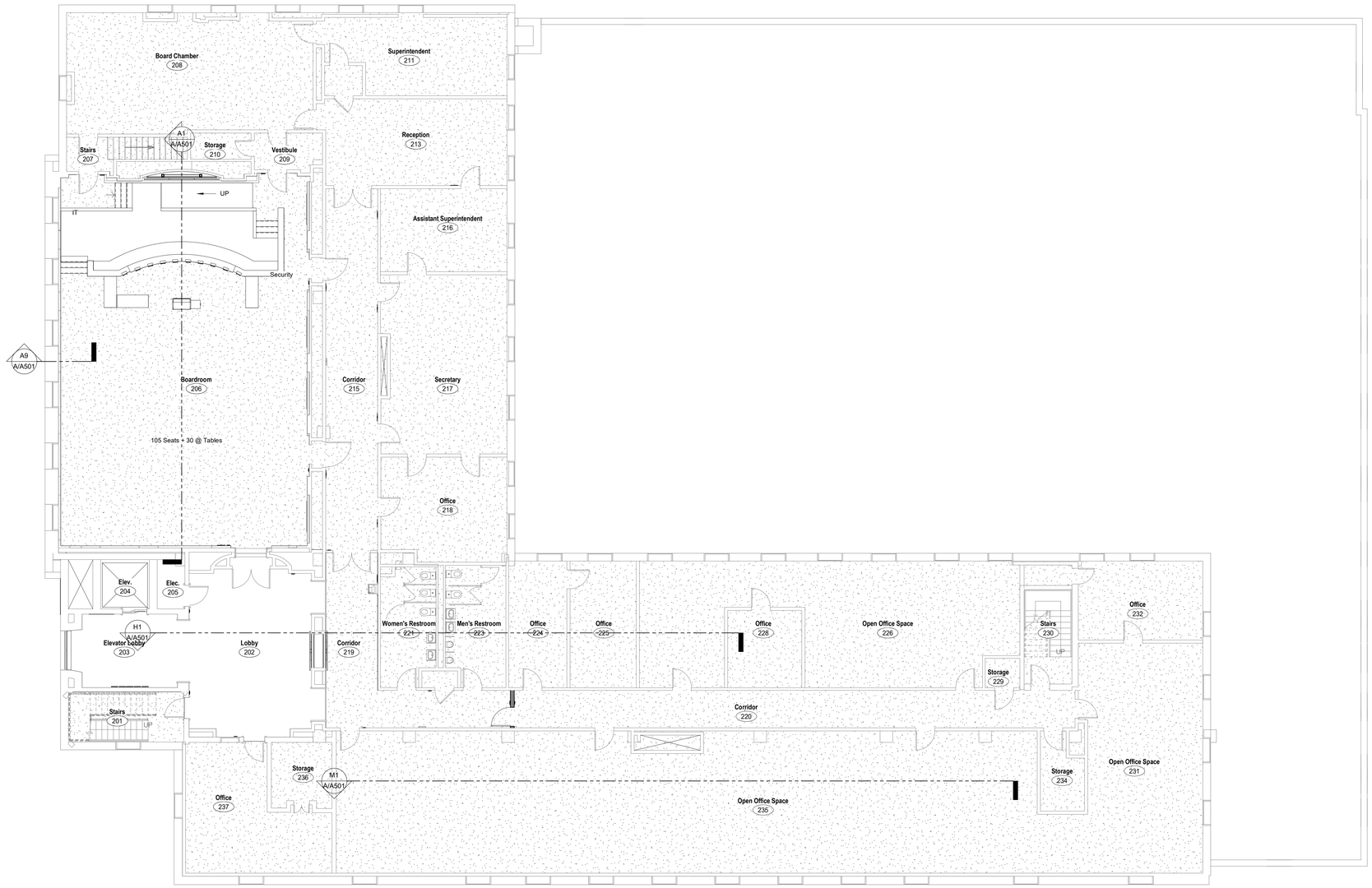

N

A1
1/8" = 1'-0"

Floor Pattern Plan - Second Floor

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General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

FLOOR PATTERN PLAN- SECOND FLOOR

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LICENSED ARCHITECT ANTONIO J. ANTUNEZ No. C26235 Exp. 10-31-2023 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed B\AF/DD

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Scale: 1/8" = 1'-0"
Drawn By: AF/AC
Project Numbe1947.IDA
Checked By: AC
Date: 03/22/2022
Reviewed By: TA

A/A802

1. ALL MEMBERS SHALL BE MANUFACTURED BY A CURRENT MEMBER OF THE STEEL STUD MANUFACTURER'S ASSOCIATION, IN ACCORDANCE WITH THE LATEST AMERICAN IRON AND STEEL INSTITUTE - NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS INCLUDING THE LATEST SUPPLEMENTS (A.I.S.I.-N.A.S.).

2. ALL GALVANIZED STUDS, TRACKS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE LATEST A.I.S.I.-N.A.S. STANDARD.

3. ALL STEEL MEMBERS SHALL HAVE PHYSICAL MARKING AND IDENTIFICATION NUMBERS AS REQUIRED BY A.S.T.M. C645 AND A.S.T.M. C955. THESE MARKINGS MUST INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING INFORMATION: DEPTH, FLANGE WIDTH, MINIMUM STEEL THICKNESS, MANUFACTURER DESIGNATION, STEEL YIELD STRENGTH AND PROTECTIVE COATING WEIGHT.

4. STRUCTURAL STEEL FRAMING MEMBERS MUST MEET THE PHYSICAL REQUIREMENTS OF A.S.T.M. C955, THE INSTALLATION REQUIREMENTS OF A.S.T.M. C1007 AND THE MINIMUM COATING REQUIREMENTS OF A.S.T.M. A653 COATING DESIGNATION G-60.

5. NON-STRUCTURAL STEEL FRAMING MEMBERS MUST MEET THE PHYSICAL REQUIREMENTS OF A.S.T.M. C645, THE INSTALLATION REQUIREMENTS OF A.S.T.M. C754 AND THE MINIMUM COATING REQUIREMENTS OF A.S.T.M. A653 COATING DESIGNATION G-40.

6. STEEL SHALL BE A.S.T.M. A1003, GRADE 50 FOR 12, 14, AND 16 GAUGE SECTIONS, AND A.S.T.M. A1003, GRADE 33 FOR 18 AND HIGHER GAUGE SECTIONS.

7. PROVIDE STEEL MEMBERS WITH SECTION PROPERTIES EQUAL TO OR GREATER THAN THOSE SPECIFIED BY THE "STEEL STUD MANUFACTURER'S ASSOCIATION" (S.S.M.A.) CATALOG, ICC ESR-3064P, FOR THE MEMBER SIZES DESIGNATED ON THE PLANS.

8. THE CONTRACTOR MUST PROVIDE A MATERIAL SUBMITTAL INDICATING THE SIZE, GAUGE, SECTIONAL PROPERTIES AND MATERIALS TO BE USED TO THE ARCHITECT AND ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AGENCY APPROVAL FOR ANY SUBSTITUTIONS.

9. BENT, KINKED, DISTORTED, CORRODED OR DAMAGED SECTIONS SHALL NOT BE USED.

10. STUDS MAY HAVE CUTOUTS (OR KNOCKOUTS). CUTOUTS MAY BE A MAXIMUM DIMENSION OF 1 1/2" WIDE x 4" LONG AND HAVE A MINIMUM SPACING OF 24" O.C. EXCEPT CUTOUTS FOR 1 5/8" AND 2 1/2" MUST NOT EXCEED A WIDTH OF 3/4". CUTOUTS SHALL NOT BE CLOSER THAN 12" FROM MEMBER ENDS.

11. ALL WELDING TO BE PERFORMED BY LIGHT GAUGE WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTIONS COMPLYING WITH AWS, D1.3. WELDING RODS SHALL CONFORM TO THE FOLLOWING:
- 18 GA. AND LIGHTER: E60XX
- 16 GA. AND HEAVIER: E70XX OR E6013
- LIGHT GAUGE TO STRUCTURAL STEEL: E70XX LOW HYDROGEN

12. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH A ZINC-RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT.

13. WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED.

14. LATERAL BRIDGING FOR STEEL STUD IS REQUIRED WHEN WALL BOARD, INSTALLED IN ACCORDANCE WITH A.I.S.I.-N.A.S. REQUIREMENTS, DOES NOT CONTINUE FULL HEIGHT ON BOTH SIDES. BRIDGING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND TYPICAL **BRIDGING DETAILS**. ALL EXTERIOR WALLS SHALL HAVE BRIDGING PER TYPICAL **BRIDGING DETAILS**.

15. SCREWS SHALL BE SELF-DRILLING/SELF-TAPPING STEEL SCREWS INSTALLED IN ACCORDANCE WITH THE A.I.S.I.-N.A.S. SCREWS SHALL HAVE SUFFICIENT LENGTH TO ENSURE A MINIMUM OF 3 FULL THREADS SHOWING AFTER PENETRATION OF JOINED LIGHT GAUGE MATERIALS. SCREWS SHALL HAVE A MINIMUM OF 1" EDGE/SPACING DISTANCE. THE MINIMUM SCREW HEAD DIAMETER SHALL BE 5/16", AND SCREW SIZES SHALL CONFORM TO THE FOLLOWING, U.N.O.

METAL TO METAL FASTENER SIZE

METAL THICKNESS 'T'	SCREW TYPE
T < 12 GA.	#10 W/ W3 POINT
12 GA. < T < 3/16"	#12 W/ W3 POINT
3/16" < T < 5/16"	1/4" DIA. W/ W4 POINT

16. LIGHT GAUGE STEEL CONTRACTOR SHALL PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS BEING USED.

17. STEEL TRACKS THAT OCCUR UNDER ALL EXTERIOR CURTAIN WALLS, BEARING WALLS AND SHEAR WALLS SHALL BE BOLTED TO MASONRY OR CONCRETE WITH 5'-0"Ø x 12" BOLTS SPACED NOT MORE THAN 5'-0" ON CENTER, WITH A MIN. OF 2 BOLTS FOR EACH PIECE OF TRACK, U.N.O. USE STANDARD STEEL PLATE WASHERS AT EACH BOLT LOCATION.

18. ALL ANCHOR BOLTS IN STEEL TRACKS SHALL BE 4 INCH MINIMUM AND 12 INCH MAXIMUM FROM THE END OF THE TRACK, AND HAVE 7 INCH MINIMUM EMBEDMENT INTO CONCRETE OR MASONRY. ANY LOCATION WHERE A HOLE OR NOTCH OCCURS THROUGH A TRACK FLANGE, TRACK SHALL HAVE AN ADDITIONAL ANCHOR BOLT PLACED 4 INCHES TO 12 INCHES ON EACH SIDE OF THE HOLE OR NOTCH.

19. ALL ANCHOR BOLTS SHALL BE MACHINE MADE TYPE F1554 GRADE 36 U.N.O. BOLTS WITH UPSET THREADS ARE NOT PERMITTED.

20. ALL STEEL FRAMING MEMBERS SHALL BE DESIGNATED ON PLANS WITH THE S.S.M.A. STUD AND TRACK SECTION NOMENCLATURE AS DESCRIBED BELOW:

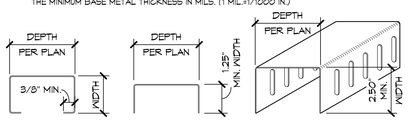
MEMBER DEPTH: (EXAMPLE: 6" = **600** X 1/100 INCHES)
FOR ALL "T" SECTIONS MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION.

600 S 162 - 54

STYLE: (EXAMPLE: STUD OR JOIST SECTION = **S**)

FLANGE WIDTH: (EXAMPLE: 1 5/8" = 1.625" = **162**)
ALL FLANGE WIDTHS ARE TAKEN IN 1/100 INCHES.

MATERIAL THICKNESS: (EXAMPLE: 18 GA = 0.054 IN. = **54** MILS)
THE MINIMUM BASE METAL THICKNESS IN MILS. (1 MIL=1/1000 IN.)



STUD "S" SECTION **TRACK "T" SECTION** **SLIP TRACK "T" SECTION**

E1 LIGHT GAUGE STEEL NOTES
X/S101 NOT TO SCALE

A1 NOT USED
NOT TO SCALE

1. SCREW ANCHORS INTO CONCRETE SHALL BE TITEN HD AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. 5956 WEST LAS POSITAS BOULEVARD PLEASANTON, CALIFORNIA 94588. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND I.C.C. REPORT NO. ESR 2713.

2. TEST VALUES AND INSTALLATION REQUIREMENTS SHALL BE AS FOLLOWS:

BOLT SIZE	MIN. EMBED	CONC. THKS.	TORQUE TEST
3/8"	3 1/4"	4"	10 FT LBS
1/2"	4"	6 1/4"	10 FT LBS
5/8"	5 1/2"	8 1/2"	10 FT LBS
3/4"	6 1/4"	10"	20 FT LBS

3. PLACEMENT GUIDELINES FOR ABOVE VALUES IN ITEM 2 REQUIRE THE FOLLOWING CONDITIONS:
- TABLE VALUES ARE BASED ON f'c = 2500 PSI
- HOLES DRILLED WITH A HAND-HELD ELECTRO-PNEUMATIC ROTARY HAMMER DRILL WITH A CARBIDE-TIPPED DRILL BIT CONFORMING TO ANSI B212.15-1994.
- PILOT HOLE MUST BE THE SAME DIAMETER AS THE SPECIFIED ANCHOR.
- HOLE IS TO BE DRILLED TO THE SPECIFIED EMBEDMENT DEPTH PLUS 1/2" (ONLY 1/4" REQUIRED FOR 3/8" SCREW)
- ANY SEISMIC DESIGN CATEGORY PER 2018 C.B.C.
- TENSION LOAD VALUES SHALL BE MULTIPLIED BY 0.6 FOR LIGHTWEIGHT CONCRETE
- A.C.I. "CRACKED" CONCRETE CONDITION IS ASSUMED.
- HOLES SHALL BE CLEANED IN ACCORDANCE WITH ICC REPORT NO. ESR-2713

4. WHEN INSTALLING SCREW ANCHORS IN EXISTING CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE-INCH BETWEEN THE EXISTING REINFORCEMENT AND THE SCREW ANCHOR.

5. ANY BOLTS SHOWN ON THE APPROVED PLANS AS SCREW ANCHORS, REQUIRES PERIODIC SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 4.4 IN THE I.C.C. REPORT. SPECIAL INSPECTION SHALL BE BY AN APPROVED TESTING AND INSPECTION AGENCY. ANY ITEMS THAT REQUIRE SCREW ANCHORS BUT ARE NOT SPECIFICALLY SHOWN ON THE APPROVED PLANS MUST BE APPROVED BY THE STRUCTURAL ENGINEER AND BUILDING DEPARTMENT PRIOR TO INSTALLATION.

N4 SIMPSON TITEN HD IN CONC.
X/S101 NOT TO SCALE

1. EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT TZ2 AS MANUFACTURED BY HILTI, INC., 7250 DALLAS PARKWAY, SUITE 1000, PLANO, TEXAS 75024. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND I.C.C. REPORT NO. ESR-4266.

2. TEST VALUES AND INSTALLATION REQUIREMENTS SHALL BE AS FOLLOWS:

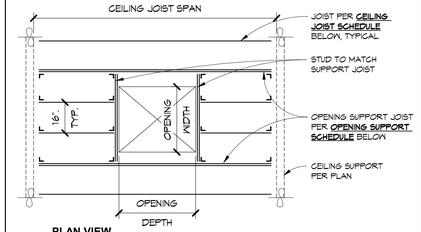
BOLT SIZE	MIN. EMBED	CONT. THKS.	TENSION TEST	TORQUE TEST
3/8"	2"	4"	1100#	25 ft-ft
1/2"	3 1/2"	5 1/2"	2000#	40 ft-ft
5/8"	4"	6"	2300#	60 ft-ft
3/4"	4 3/4"	8"	3100#	110 ft-ft

3. PLACEMENT GUIDELINES FOR ABOVE VALUES IN ITEM 2 REQUIRE THE FOLLOWING CONDITIONS:
- TABLE VALUES ARE BASED ON f'c = 3000 PSI
- HOLES DRILLED WITH A HAMMER DRILL AND CARBIDE BIT COMPLYING W/ ANSI B212.15-1994
- BIT DIAMETER EQUALS THE SIZE OF THE ANCHOR BEING INSTALLED
- HOLE DEPTH MUST EXCEED MIN. EMBED. BY ONE BOLT DIAMETER
- ANY SEISMIC DESIGN CATEGORY PER 2018 C.B.C.
- TENSION LOAD VALUES SHALL BE MULTIPLIED BY 0.6 FOR LIGHTWEIGHT CONCRETE
- A.C.I. "CRACKED" CONCRETE CONDITION IS SUFFICIENT
- FOR CARBON OR STAINLESS STEEL BOLTS

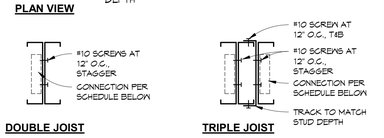
4. WHEN INSTALLING EXPANSION ANCHORS IN EXISTING CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE-INCH BETWEEN THE EXISTING REINFORCEMENT AND THE EXPANSION ANCHOR.

5. ANY BOLTS SHOWN ON THE APPROVED PLANS AS EXPANSION ANCHORS, REQUIRES SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 4.4 IN THE I.C.C. REPORT. SPECIAL INSPECTION SHALL BE BY AN APPROVED TESTING AND INSPECTION AGENCY. ANY ITEMS THAT REQUIRE EXPANSION ANCHORS BUT ARE NOT SPECIFICALLY SHOWN ON THE APPROVED PLANS MUST BE APPROVED BY THE STRUCTURAL ENGINEER AND BUILDING DEPARTMENT PRIOR TO INSTALLATION.

J4 HILTI KWIK BOLT TZ2 IN CONC.
X/S101 NOT TO SCALE



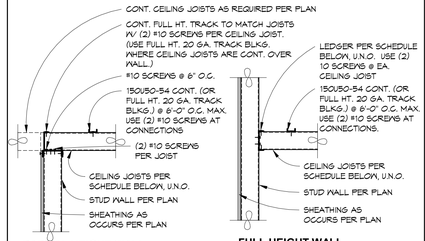
PLAN VIEW



DOUBLE JOIST **TRIPLE JOIST**

OPENING SUPPORT SCHEDULE

OPENING WIDTH	JOIST TYPE	CONNECTION TYPE
16" MAX.	SINGLE JOIST	(1) SIMPSON L50
32" MAX.	DOUBLE JOIST	(1) SIMPSON L50
48" MAX.	TRIPLE JOIST	(2) SIMPSON L50



PARTIAL HEIGHT WALL **FULL HEIGHT WALL**

CEILING JOIST SCHEDULE

MAX SPAN	SIZE/SPACING	LEDGER SIZE / ATTACHMENT
UP TO 10'-0"	400S162-33 @ 16" O.C.	400T125-33 W/(2) #10 SCREWS PER STUD
10'-1" TO 16'-0"	600S162-43 @ 16" O.C.	600T125-43 W/(3) #10 SCREWS PER STUD

NOTES:
1. DEFLECTION LIMIT IS L/360 WITH 13 PSF D.L. AND 10 PSF L.L.
2. JOISTS SPAN AND SPACING PER ICBO 4943P TABLES.

A4 CEILING JOIST SCHED. FOR LT. GA. STL.
X/S101 NOT TO SCALE

1. ALL CONSTRUCTION INDICATED IS NEW UNLESS SPECIFICALLY DENOTED AS EXISTING.

2. CAREFULLY EXAMINE THE CONSTRUCTION DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS OR DISCREPANCIES WITHIN THE STRUCTURAL CONSTRUCTION DOCUMENTS AND BETWEEN ALL OTHER CONSTRUCTION DOCUMENTS AND THE EXISTING CONDITION.

3. EXISTING CONSTRUCTION INDICATED IN THE CONSTRUCTION DOCUMENTS IS BASED UPON INFORMATION SHOWN ON AVAILABLE RECORD PLANS AND/OR LIMITED VISUAL OBSERVATIONS. THE EXISTING CONSTRUCTION MAY VARY FROM THAT INDICATED ON THE CONSTRUCTION DOCUMENTS. PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE PROJECT AS REPRESENTED IN THE CONSTRUCTION DOCUMENTS.

4. VERIFY CONSTRUCTION DOCUMENTS WITH THE EXISTING CONSTRUCTION PRIOR TO STARTING CONSTRUCTION OR FABRICATION. DO NOT SCALE THE EXISTING RECORD PLANS.

5. PROVIDE AND MAINTAIN A COMPLETE SET OF EXISTING RECORD PLANS AND MAKE THEM AVAILABLE FOR USE ON JOB SITE.

6. EXISTING STRUCTURAL ELEMENTS SHALL NOT BE REMOVED OR MODIFIED UNLESS INDICATED IN THE STRUCTURAL CONSTRUCTION DOCUMENTS. IF EXISTING STRUCTURAL ELEMENTS INTERFERE WITH THE WORK INDICATED ON PLANS, OR IF UNCERTAIN THAT AN ELEMENT IS STRUCTURAL, NOTIFY STRUCTURAL ENGINEER IMMEDIATELY.

7. PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF THE EXISTING STRUCTURE AND SITE DURING DEMOLITION AND CONSTRUCTION. MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, PROVIDING ADEQUATE SHORING, BRACING, WEATHER PROTECTION AND DUST PROTECTION. THE REMOVAL OR ALTERATION OF EXISTING STRUCTURAL ELEMENTS SHALL BE PERFORMED IN A MANNER TO PREVENT DAMAGE TO THOSE ELEMENTS THAT REMAIN. SHOULD DAMAGE OCCUR TO ANY EXISTING ELEMENTS, THOSE ELEMENTS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.

8. IF EXISTING STRUCTURAL ELEMENTS NOT INDICATED FOR REPLACEMENT OR REPAIR ARE DISCOVERED TO BE DAMAGED OR DIFFERENT THAN INDICATED ON THE PLANS, NOTIFY THE STRUCTURAL ENGINEER. SUCH DAMAGE OR DIFFERENCE SHALL INCLUDE, BUT NOT LIMITED TO, DRY ROT, WATER DAMAGE, INSECT DAMAGE, POOR WORKMANSHIP OR FIT-UP, BUCKLING OR EXCESSIVE DEFLECTION, SAGGING, TWISTING AND DIFFERENT SIZE, ORIENTATION, SPACING, GRADE QUALITY OR MATERIAL.

9. DO NOT CUT ANY EXISTING RE-BAR OR FRAMING MEMBERS NOT DETAILED ON STRUCTURAL CONSTRUCTION DOCUMENTS.

10. THE AREA SUBJECT TO THE BUILDING PAD AND SITE IMPROVEMENTS HAVE EXISTING BURIED UTILITIES. THESE UTILITIES ARE BEING USED BY THE EXISTING BUILDINGS, AND WILL REQUIRE SELECTIVE DEMOLITION AND RE-INSTALLATION. THE OWNER'S SURVEYOR HAS DOCUMENTED KNOWN UNDERGROUND UTILITIES, AS INDICATED IN THE TOPOGRAPHICAL SURVEY, BUT CONTRACTOR FIELD INVESTIGATIONS AND HAND DUG PITS ARE REQUIRED IN ORDER TO ESTABLISH THE ACTUAL LIMITS OF THE UNDERSGROUND UTILITIES. SHOULD AN UNDOCUMENTED UTILITY BE FOUND, DETERMINE THE LOCATION, SIZE AND SCOPE OF THE UNKNOWN UTILITY AND PROVIDE THE INFORMATION TO THE ARCHITECT FOR FURTHER DIRECTION.

11. CONTRACTOR SHALL HAVE ALLOWANCE TO REMOVE ANY OVER FOUR OF EXISTING FOOTINGS TO ALLOW PLACEMENT OF NEW FOOTINGS IN A CAREFUL MANNER.

J7 EXISTING CONDITIONS NOTES
X/S101 NOT TO SCALE

1. EPOXY SHALL BE HILTI HIT-HY 200 ADHESIVE AS MANUFACTURED BY HILTI, INC., 7250 DALLAS PARKWAY, SUITE 1000, PLANO, TEXAS 75024. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND I.C.C. REPORT NO. ESR-3187.

2. TEST VALUES AND INSTALLATION REQUIREMENTS SHALL BE AS FOLLOWS:

BAR SIZE	BOLT SIZE	MIN. EMBEDMENT	TEST LOAD (POUNDS)
#4	1/2"	4"	1190
#5	5/8"	5"	1540
#6	3/4"	7"	2190

3. PLACEMENT GUIDELINES FOR ABOVE VALUES IN ITEM 2 REQUIRE THE FOLLOWING CONDITIONS.
- TABLE VALUES ARE BASED ON f'c = 3000 PSI
- 6" MIN. EDGE DISTANCE & 12" MIN. BOLT/BAR SPACING
- HOLES DRILLED WITH A HAMMER DRILL AND CARBIDE BIT
- BIT DIAMETER EQUALS (BAR DIAMETER) + 1/8"
- HOLES SHALL BE DRY OR WATER-SATURATED, BUT NOT WATER FILLED
- MAX. LONG TERM TEMPS OF 110° F OR LESS & MAX. SHORT TERM OF 162° F OR LESS
- ANY SEISMIC DESIGN CATEGORY PER 2018 C.B.C.
- A.S.T.M. A 615 GRADE 60 REBAR
- A.S.T.M. A 193 GRADE B7 THREADED RODS
- A.C.I. "CRACKED" CONCRETE CONDITION IS SUFFICIENT
- DEPTH/THICKNESS OF CONCRETE BEING ATTACHED TO MUST BE AT LEAST 1 1/2" GREATER THAN THE EMBEDMENT DEPTH.

4. WHEN INSTALLING EPOXIED REBAR/BOLTS IN EXISTING CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE-INCH BETWEEN THE EXISTING REINFORCEMENT AND THE EPOXIED REBAR/BOLT.

5. ANY REBAR/BOLTS SHOWN ON THE APPROVED PLANS AS BEING EPOXIED, REQUIRES SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 4.4 IN THE I.C.C. REPORT. SPECIAL INSPECTION SHALL BE BY AN APPROVED TESTING AND INSPECTION AGENCY. ANY ITEMS THAT REQUIRE EPOXY BUT ARE NOT SPECIFICALLY SHOWN AS BEING EPOXIED ON THE APPROVED PLANS MUST BE APPROVED BY THE STRUCTURAL ENGINEER AND BUILDING DEPARTMENT PRIOR TO INSTALLATION.

E7 HILTI HIT-HY 200 EPOXY NOTES IN CONC.
X/S101 NOT TO SCALE

1. THESE NOTES GOVERN ALL CONDITIONS CALLED OUT ON THE PLANS AS "SHOT PINS" UNLESS SPECIFICALLY NOTED OTHERWISE.

2. ALL SHOT PINS SHALL BE AS MANUFACTURED BY HILTI, INCORP. REFERENCE SHALL BE MADE TO THE LATEST EDITION OF THE HILTI 'PRODUCT TECHNICAL GUIDE' AND THE ICC-ES ESR-2269 REPORT FOR ADDITIONAL INFORMATION.

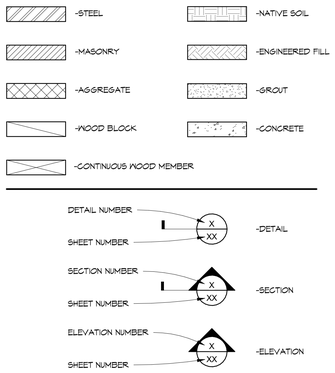
3. SHOT PINS DRIVEN INTO STEEL BASE MATERIAL SHALL BE X-U TYPE WITH P8 WASHERS. LENGTH OF PIN SHALL BE AS REQUIRED TO PENETRATE THROUGH THE STEEL BASE MATERIAL, MINIMUM EDGE DISTANCE TO ANY CONNECTED PART SHALL BE 1/2" AND MINIMUM FASTENER SPACING SHALL BE 2". ENTIRE POINTED END OF PIN MUST PENETRATE THROUGH STEEL LESS THAN 1/2" THICK OR PENETRATE A MINIMUM OF 1/2" INTO STEEL 1/2" THICK OR GREATER. PINS IN STEEL SUBJECT TO WITHDRAW LOADS ARE REQUIRED TO HAVE KNURLED SHANK.

4. SHOT PINS DRIVEN INTO CONCRETE BASE MATERIAL SHALL BE X-U TYPE WITH P8 WASHERS. LENGTH OF PIN SHALL BE AS REQUIRED TO PENETRATE 1 1/2" INTO THE CONCRETE BASE MATERIAL. MINIMUM EDGE DISTANCE TO ANY CONCRETE MATERIAL SHALL BE 3" AND MINIMUM FASTENER SPACING SHALL BE 4".

5. SHOT PINS DRIVEN INTO CONCRETE BASE MATERIAL THROUGH METAL DECK SHALL BE X-U TYPE WITH P8 WASHERS. LENGTH OF PIN SHALL BE AS REQUIRED TO PENETRATE 1" INTO THE CONCRETE THROUGH THE LOW FLUTE. PIN SHALL BE CENTERED IN THE LOW FLUTE AND MINIMUM FASTENER SPACING SHALL BE 4".

6. WHERE STEEL WASHERS ARE INDICATED ON THE DRAWINGS, PINS SHALL BE X-U WITH PREMOUNTED STEEL WASHERS WITH A MINIMUM DIAMETER OF 36mm (1 7/16").

A7 "SHOT PIN" NOTES FOR HILTI X-U
X/S101 NOT TO SCALE



N11 LEGENDS AND SYMBOLS
X/S101 NOT TO SCALE

1. ANY SUBSTITUTIONS FOR STRUCTURAL ITEMS ON APPROVED PLANS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO USE. REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO CONTRACTOR WITH NO GUARANTEE THE SUBSTITUTION WILL BE ALLOWED.

2. DETAILS AND NOTES ON TYPICAL SHEETS SHALL APPLY U.N.O. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITIONS. U.N.O.

3. DO NOT SCALE STRUCTURAL DRAWINGS. IF DIMENSIONS IN DRAWINGS ARE NOT CLEAR, OR DISCREPANCIES EXIST ON THE DRAWINGS OR SPECIFICATIONS, CONTACT THE ENGINEER.

4. SEE MECHANICAL, ELECTRICAL, AND/OR ARCHITECTURAL DRAWINGS FOR LOCATION AND SIZE OF PIPES, CONDUITS, FLOOR DRAINS, VENTS, DUCTS, DRAIN LEADERS AND OTHER SIMILAR OPENINGS NOT INDICATED ON THE STRUCTURAL DRAWINGS.

5. SEE MECHANICAL, ELECTRICAL AND/OR ARCHITECTURAL DRAWINGS FOR EMBEDMENT OF BOLTS, ANCHORS AND OTHER MISCELLANEOUS EMBEDDED ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS.

6. THE DESIGN, FABRICATION AND CONSTRUCTION SHALL COMPLY WITH ACCEPTED LOCAL GOVERNING CODES OF THE PARTICULAR AREA.

7. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL SOLELY AND COMPLETELY BE RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

8. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

9. CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER WHETHER PERFORMED PRIOR TO, DURING, OR AFTER COMPLETION OF CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS, BUT THEY DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

10. ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CONSTRUCTION SAFETY REQUIREMENTS OF O.S.H.A. AND ANY OTHER GOVERNMENTAL ENTITY HAVING JURISDICTION.

11. SHOP DRAWINGS:
- SHOP DRAWINGS SHALL BE SUBMITTED PER PROJECT SPECIFICATIONS.
- PRIOR TO SUBMISSION, THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE APPROVED DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE" TO APPROVED CONTRACT DOCUMENTS.
- THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE DESIGN TEAM THAT HE AND THE SUBCONTRACTOR UNDERSTAND THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL HE INTENDS TO FURNISH AND INSTALL, AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE.
- DESIGN DOCUMENTS ARE NOT SHOP DRAWINGS AND SHALL NOT BE SUBMITTED AS SUCH.

12. ALL NOTES SPECIFIED ON PLANS AND IN DETAILS WITH THE WORD "TYPICAL" FOLLOWED BY **BOLD AND UNDERLINED** TEXT REFER TO THE TYPICAL PROJECT DETAILS ON S1 SERIES SHEETS. TYPICAL DETAILS ARE NOT SPECIFICALLY REFERENCED ON PLANS AND SPECIFIC DETAIL U.N.O.

E11 GENERAL PROJECT NOTES
X/S101 NOT TO SCALE

A SPECIAL INSPECTOR EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND SECTION 1704.2 OF THE 2019 C.B.C. SHALL BE REQUIRED TO INSPECT THE PORTIONS OF THE PROJECT LISTED BELOW. THE SPECIAL INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED BY TITLE 24. THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF INSPECTIONS AS REQUIRED IN SECTION 1704.2.4 OF THE 2018 C.B.C. AND SUBMIT THEIR REPORTS DIRECTLY TO THE BUILDING DEPARTMENT.

REQUIRED AREAS OF INSPECTION	2019 C.B.C. REFERENCES
STEEL	SECTIONS 1705.2.1 AND 1705.12.1 AND TABLE 1705.2.3
· CONCRETE	SECTION 1705.3 AND TABLE 1705.3
· MASONRY	SECTION 1705.4
-RISK CATEGORY I, II OR III	TMS 402/ACI 530/ASCE 5
-RISK CATEGORY IV	TMS 602/ACI 530.1/ASCE 6
· WOOD	SECTIONS 1705.5 AND 1705.11.1/1705.12.2
· SOILS	SECTION 1705.6 AND TABLE 1705.6
· DRIVEN FOUNDATIONS	SECTION 1705.7 AND TABLE 1705.7
· CAST-IN-PLACE DEEP FOUNDATIONS	SECTIONS 1705.8 AND TABLE 1705.8
· POST-INSTALLED ANCHORS	SECTION 1904.2.7 AND I.C.C. E.S.R. EPORTS
· EPOXY ADHESIVES	SECTION 1904.2.7 AND I.C.C. E.S.R. REPORTS

A11 SPECIAL INSPECTION NOTES
X/S101 NOT TO SCALE

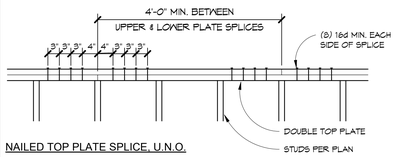
J14 DESIGN CRITERIA
X/S101 NOT TO SCALE

CODE
2019 CALIFORNIA BUILDING CODE

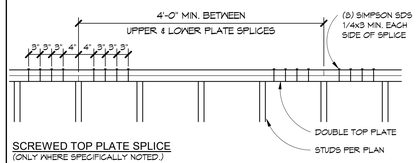
RISK CATEGORY — TYPE III

CONCRETE RAMP FLOOR LOADS
- DEAD LOADS — 50 PSF
- LIVE LOADS — 100 PSF

PLATFORM LOADS
- DEAD LOADS — 10 PSF
- LIVE LOADS — 100 PSF



NAILED TOP PLATE SPLICE, U.N.O.



SCREWED TOP PLATE SPLICE
(ONLY WHERE SPECIFICALLY NOTED.)

N1 TOP PLATE SPLICES FOR WOOD

X/S102 | NOT TO SCALE

1. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDING" PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. ALL BUTT WELDS SHALL BE COMPLETE JOINT PENETRATION WELDS.
3. ALL WELDING OF STRUCTURAL STEEL MEMBERS SHALL BE DONE BY CURRENTLY CERTIFIED WELDERS AND DONE IN CONFORMANCE WITH THE A.I.S.C. AND A.W.S. SPECIFICATIONS. WELDING IS NOT PERMITTED ON MEMBERS SUPPORTING LOADS.
4. WHERE THE CONTRACTOR REQUESTS WELDING TO BE USED IN LIEU OF BOLTED CONNECTIONS, SUCH WELDING SHALL BE DONE ONLY WITH THE ENGINEERS PRIOR APPROVAL. WHERE EMBEDDED PLATES OCCUR WITH SHEAR TABS, CONTRACTOR HAS OPTION TO FIELD WELD STEEL BEAM TO SHEAR TAB TO FACILITATE ERECTION WITH APPROVAL FROM ENGINEER. EMBEDDED PLATE MAY BE OVERSIZED BY 1" IN EACH DIRECTION TO FACILITATE FIELD WELDING. ANY TESTING AND/OR INSPECTION THE ENGINEER MAY DEEM NECESSARY TO BE ASSURED OF THE QUALITY OF SUCH WELDING, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
5. A.S.T.M. A325 BOLTS SHALL BE USED UNLESS NOTED OTHERWISE. TWIST-OFF TYPE TENSION-CONTROL A.S.T.M. F1852 BOLT ASSEMBLIES MAY BE SUBSTITUTED FOR A.S.T.M. A325 BOLTS AT ANYTIME. WHERE A.S.T.M. A490 BOLTS ARE SPECIFIED ON THE PLANS TWIST-OFF TYPE TENSION-CONTROL A.S.T.M. F2280 BOLT ASSEMBLIES MAY BE SUBSTITUTED AT ANYTIME.
6. A.S.T.M. F1554 GRADE 36 ANCHOR BOLTS SHALL BE USED UNLESS NOTED OTHERWISE. A.S.T.M. F1554 GRADE 36 BOLTS MAY BE WELDED, WHILE GRADE 55 MAY BE WELDED ONLY IF IT IS ORDERED WITH SUPPLEMENT S1 AND THE CARBON EQUIVALENT FORMULA SPECIFIED IN SECTION S1.1.5.2.1 OF THE A.S.T.M. GRADE 105 BOLTS MAY NOT BE WELDED.
7. A.S.T.M. A563 HEAVY-HEX NUTS SHALL BE USED UNLESS NOTED OTHERWISE. SEE A.S.T.M. A563 FOR THE APPROPRIATE GRADE AND FINISH OF THE NUTS WHICH VARY ACCORDING TO APPLICATION.
8. A.S.T.M. F436 WASHERS SHALL BE USED UNLESS NOTED OTHERWISE. AT SLIP CRITICAL CONNECTIONS A.S.T.M. F959 COMPRESSIBLE-WASHER-TYPE DIRECT TENSION INDICATORS SHALL BE USED UNLESS TWIST-OFF-TYPE TENSION-CONTROL BOLT ASSEMBLIES WITH A.S.T.M. F436 WASHERS ARE USED.
9. A.S.T.M. A108 SHEAR STUD CONNECTORS SHALL BE USED UNLESS NOTED OTHERWISE. THE MECHANICAL REQUIREMENTS MUST MEET A.W.S. D1.1 TABLE 7.1 FOR TYPE B SHEAR STUDS CONNECTORS. (F_y=50 ksi, F_u=65 ksi)
10. HOLES PUNCHED OR DRILLED IN BEAMS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWING: HOLES FOR BOLTS SHALL BE 1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT WHERE CONNECTION IS OF SHEAR TYPE, AND 3/16" LARGER WHERE CONNECTION IS OF BEARING TYPE ON CONCRETE OR MASONRY.
11. ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL SHALL RECEIVE ONE SHOP COAT OF RED OXIDE, ZINC CHROMATE OR APPROVED EQUAL BASE.
12. ALL STEEL MEMBERS AND THEIR CONNECTIONS, EXPOSED TO EARTH OR WEATHER SHALL BE HOT DIPPED GALVANIZED, UNLESS NOTED OTHERWISE. CAP ALL VENT HOLES AT ENCLOSED HSS STEEL SECTIONS AND SEAL HOLES TO A WATER TIGHT CONDITION.
13. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO THE FOLLOWING A.I.S.C. STANDARDS:
    - W (WIDE FLANGE) AND WT SHAPES SHALL BE A.S.T.M. A992 (F_y=50 ksi, F_u=65 ksi)
    - M, MT, S AND ST SHAPES SHALL BE A.S.T.M. A36 (F_y=36 ksi, F_u=58 ksi)
    - CHANNELS, ANGLES, PLATES 1/2" THICK OR LESS AND MISCELLANEOUS STEEL, SHALL BE A.S.T.M. A36 (F_y=36 ksi, F_u=58 ksi)
    - PLATES GREATER THAN 1/2" THICK SHALL BE A.S.T.M. A572 GR. 50. (F_y=50 ksi, F_u=65 ksi)
    - HP SHAPES SHALL BE A.S.T.M. A572 (F_y=50 ksi, F_u=65 ksi)
    - RECTANGULAR AND SQUARE HSS SHALL BE A.S.T.M. A500 GRADE B (F_y=46 ksi, F_u=58 ksi)
    - ROUND HSS SHALL BE A.S.T.M. A500 GRADE B (F_y=42 ksi, F_u=58 ksi)
    - PIPE SHALL CONFORM TO A.S.T.M. A53 GRADE B (F_y=35 ksi, F_u=60 ksi)
14. ALL ENDS OF EXPOSED STRUCTURAL SHAPES 4 HOLLOW STRUCTURAL SHAPED STEEL MEMBERS SHALL HAVE 1/4" CAP PLATE WITH PARTIAL PENETRATION WELDS, U.N.O., GRIND SMOOTH, A.E.S.S.
15. ALL STEEL BEAMS SHALL HAVE INSTALLED STANDARD MILL TOLERANCE UP, TYP., U.N.O.
16. FILLER METAL AND WELDING FLUX: E70XX IN ACCORDANCE WITH A.W.S. D1.1-2010.
17. WHERE LATERAL FORCE RESISTING COLUMNS OCCUR, A DOUBLE NUT SHALL BE PROVIDED ABOVE THE BASE PLATE AT ALL THREADED ROD/BOLT LOCATIONS.
18. CONTRACTOR SHALL PROVIDE AN ALLOWANCE EQUAL TO 2% OF THE BID FOR STRUCTURAL STEEL, MISCELLANEOUS IRON, AND REINFORCING STEEL TO BE USED AT THE DISCRETION OF THE STRUCTURAL ENGINEER. UNUSED PORTION TO REVERT TO THE OWNER UPON COMPLETION OF THE PROJECT.

E1 STEEL NOTES

X/S102 | NOT TO SCALE

A1 NOT USED

NOT TO SCALE

NAILING SCHEDULE[a]

#	CONNECTION	FASTENING [#][b,f,j]	LOCATION
1.	JOIST TO SILL OR GIRDER	3 - 8d	TOENAIL
2.	BRIDGING TO JOIST	2 - 8d	TOENAIL EACH END
3.	1"x6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d	FACE NAIL
4.	1"x6" SUBFLOOR OR GREATER TO EACH JOIST	3 - 8d	FACE NAIL
5.	2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d	BLIND & FACE NAIL
6.	SOLE PLATE TO JOIST OR BLOCKING	16d @ 16" O.C.	TYPICAL FACE NAIL
	SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3 - 16d @ 16"O.C.	BRACED WALL PANELS
7.	TOP PLATE TO STUD	2- 16d	END NAIL
8.	STUD TO SOLE PLATE	4 - 8d 2 - 16d	TOENAIL END NAIL
9.	DOUBLE STUDS	16d @ 24" O.C.	FACE NAIL
10.	DOUBLE 2x TOP PLATE	16d @ 16" O.C. 8 - 16d	FACE NAIL LAP SPLICE
	3x TOP PLATE OVER 2X PLATE	20d @ 16"O.C. 8 - 20d	FACE NAIL LAP SPLICE
11.	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d	TOENAIL
12.	RIM JOIST TO TOP PLATE	8d @ 6" O.C.	TOENAIL
13.	TOP PLATES, LAPS & INTERSECTIONS	2 - 16d	FACE NAIL
14.	CONTINUOUS HEADER, TWO PIECES	16d	16" O.C. @ EDGE
15.	CEILING JOISTS TO PLATE	3 - 8d	TOENAIL
16.	CONTINUOUS HEADER TO STUD	4 - 8d	TOENAIL
17.	CEILING JOISTS LAPS OVER PARTITIONS	3 - 16d MIN. TABLE 2308.10.4.1	FACE NAIL
18.	CEILING JOISTS TO PARALLEL RAFTERS	3 - 16d TABLE 2308.10.4.1	FACE NAIL
19.	RAFTER TO PLATE	3 - 8d	TOENAIL
20.	1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d	FACE NAIL
21.	1"x8" SHEATHING TO EA. BEARING	3 - 8d	FACE NAIL
22.	WIDER THAN 1"x8" SHEATHING TO EACH BEARING	3 - 8d	FACE NAIL
23.	BUILT-UP CORNER STUDS	16d	24" O.C.
24.	BUILT-UP GIRDER AND BEAMS	20d @ 32" O.C.	FACE NAIL @ TOP AND BOT. STAG. ON OPPOSITE SIDES
		2 - 20d	FACE NAIL @ ENDS AND @ EA. SPLICE
25.	2" PLANKS	16d	@ EACH BEARING
26.	COLLAR TIE TO RAFTER	3 - 10d	FACE NAIL
27.	JACK RAFTER TO HIP	3 - 10d 2 - 16d	TOENAIL FACE NAIL
28.	ROOF RAFTER TO 2x RIDGE BEAM	2 - 16d 2 - 16d	TOENAIL FACE NAIL
29.	JOIST TO BAND JOIST	3 - 16d	FACE NAIL
30.	LEDGER STRIP	3 - 16d	FACE NAIL
31.	WOOD STRUCTURAL PANELS AND PARTICLEBOARD, SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)[f]	1/2" & LESS 19/32" to 3/4" 7/8" to 1" 1 1/8" to 1 1/4"	6d[g] 1 3/4" 16GA.[h] 8d, 8d 2" 16 GA.[h] 10d, 8d
	SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)[f]	3/4" & LESS 7/8" to 1" 1 1/8" to 1	6d 8d 10d / 8d
32.	PANEL SIDING (TO FRAMING)	1/2" & LESS 5/8"	6d[c] 8d[c]
33.	FIBERBOARD SHEATHING[d]	1/2"	8d NO.16 GA. STAPLE [i]
		25/32"	8d NO.16 GA. STAPLE [i]
34.	INTERIOR PANELING[d]	1/4" to 3/8"	6d

a. COMMON NAILS ARE REQUIRED TO BE USED U.N.O. COMMON NAIL PROPERTIES ARE AS FOLLOWS:
- 6d = 0.113"Ø x 2" LONG
- 8d = 0.131"Ø x 2 1/2" LONG
- 10d = 0.148"Ø x 3" LONG
- 16d = 0.162"Ø x 3 1/2" LONG
- 20d = 0.192"Ø x 4" LONG

b. NAILS SPACED AT 6" O.C. AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305.

c. CORROSION-RESISTANT SIDING (6d = 1 7/8"X0.106"; 8d = 2 3/8"X0.128") OR CASING (6d = 2"X0.099"; 8d = 2 1/2"X0.113") NAIL.

d. FASTENERS SPACED 3" O.C. AT EXTERIOR EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6" O.C. E.N. & 12" O.C. F.N. FOR NONSTRUCTURAL APPLICATIONS.

e. NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.

f. ROOF SHEATHING APPLICATIONS, 8d ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.

g. NAILING DRIVEN INTO PRESERVATIVE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED OR EQUIVALENT.

h. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16".

i. FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, WITH COATING PER A.S.T.M. A153.

j. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" LENGTH SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING. PANEL SUPPORTS @ 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).

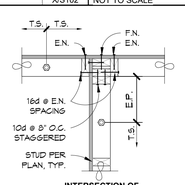
k. FASTENERS SPACED 4" O.C. E.N., 8" O.C. F.N. FOR SUBFLOOR AND WALL SHEATHING AND 3" O.C. E.N. AND 6" O.C. F.N. FOR ROOF SHEATHING.

l. FASTENERS SPACED 4" O.C. E.N. AND 8" O.C. F.N.

m. THIS SCHEDULE WILL GOVERN UNLESS NOTED OTHERWISE ON PLANS.

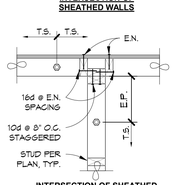
E4 NAILING SCHED. C.B.C. TABLE 2304.9.1

X/S102 | NOT TO SCALE

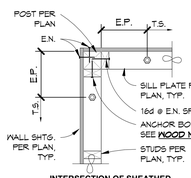


INTERSECTION OF SHEATHED WALLS

NOTES:
1. SEE WOOD NOTES FOR ANCHOR BOLT SPACING REQUIREMENTS, U.N.O.
2. ABBREVIATIONS
   A) E.P. = END PLATE
   B) T.S. = TYP. SPACING
   C) E.N. = EDGE NAILING
   D) F.N. = FIELD NAILING



INTERSECTION OF SHEATHED AND UNSHEATHED WALLS



INTERSECTION OF SHEATHED WALLS AT CORNERS

A4 STUD WALL FRAMING AT CORNERS

X/S102 | NOT TO SCALE

1. ALL BOLTS SHALL BE MACHINE MADE TYPE F1554 GRADE 36 U.N.O.
2. BOLT HOLES IN WOOD SHALL BE OVERSIZED BY NOT MORE THAN 1/32".
3. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH STANDARD STEEL WASHERS UNDER HEAD AND NUTS WHICH BEAR ON WOOD ACCORDING TO THE WASHER SCHEDULE BELOW, U.N.O.

WASHER SCHEDULE

BOLT SIZE	STEEL PLATE SQUARE	MALLEABLE IRON ROUND	STANDARD CUT WASHER
1/2"Ø	2 x 2 x 1/4"	2 1/2"Ø x 1/4"	1 3/8"Ø x 7/64"
5/8"Ø	2 1/2 x 2 1/2 x 1/4"	2 3/4"Ø x 5/16"	1 3/4"Ø x 1/8"
3/4"Ø	3 x 3 x 5/16"	3"Ø x 3/8"	2"Ø x 5/32"
7/8"Ø	3 1/2 x 3 1/2 x 5/8"	3 1/2"Ø x 7/16"	2 1/4"Ø x 11/64"
1"Ø	3 3/4 x 3 3/4 x 7/16"	4"Ø x 1/2"	2 1/2"Ø x 11/64"
1 1/8"Ø	4 x 4 x 7/16"	4 1/2"Ø x 9/16"	2 3/4"Ø x 11/64"
1 1/2"Ø	4 1/4 x 4 1/4 x 1/2"	5"Ø x 5/8"	3 1/2"Ø x 3/16"

4. BOLTS AND SCREWS SHALL BE TIGHTENED AT TIME OF ERECTION AND RE-TIGHTENED BEFORE CLOSING IN OR AT COMPLETION OF JOB.
5. ANCHOR AND/OR SILL BOLTS WITH UPSET THREADS ARE NOT PERMITTED.
6. SILL PLATES UNDER ALL EXTERIOR AND BEARING WALLS SHALL BE BOLTED TO MASONRY OR CONCRETE WITH 5/8"Ø x 12" BOLTS SPACED NOT MORE THAN 6'-0" ON CENTER, WITH A MIN. OF 2 BOLTS FOR EACH PIECE OF SILL PLATE, U.N.O. SHEAR WALLS ABOVE 2 STORIES SHALL HAVE BOLTS SPACED NOT MORE THAN 4'-0" O.C., U.N.O. ALL SILL PLATE ANCHOR BOLTS SHALL HAVE A MINIMUM 4" SQ. x 1/4" SLOTTED PLATE WASHERS (OR SIMPSON BPS) WITH A STANDARD CUT WASHER PLACED BETWEEN THE PLATE WASHER AND THE NUT, U.N.O. THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SIDE(S) WITH SHEATHING.
7. ALL ANCHOR BOLTS IN WOOD SHALL BE SPACED 4 INCH MINIMUM AND 12 INCH MAXIMUM FROM END OF THE SILL PLATE, AND HAVE 7 INCH MINIMUM EMBEDMENT INTO CONCRETE OR MASONRY, ANY LOCATION WHERE A HOLE OR NOTCH LARGER THAN THE SILL PLATE THICKNESS OCCURS, SHALL HAVE ADDITIONAL ANCHOR BOLTS PLACED 4 INCHES TO 12 INCHES ON EACH SIDE OF THE HOLE OR NOTCH.
8. SILL PLATES AT ALL WALLS SHALL BE PRESERVATIVE-TREATED D.F. 2X OF THE SAME WIDTH AS STUDS, U.N.O. ALL PRESERVATIVE-TREATED D.F. SHALL BEAR THE AWPB QUALITY MARK. ALL CUTS OR HOLES SHALL BE PRE-TREATED PRIOR TO INSTALLATION.
9. NO SILL PLATE PIECE SHALL END WITHIN THE LENGTH OF SHEAR PANEL UNLESS SPECIFICALLY SHOWN AND DETAILED ON THE PLANS.
10. ALL EXPOSED FASTENERS SHALL HAVE ZINC-COATING CORROSION RESISTANCE.
11. ALL FASTENERS AND HARDWARE IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE RETARDANT WOOD SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHT FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH A.S.T.M. A153. EXCEPTION: FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH A.S.T.M. B 695, CLASS 55 MIN.
12. BEARING WALLS AND PARTITIONS SHALL HAVE DOUBLE TOP PLATES.
13. ALL FASCIA BOARDS MUST BE CONTINUOUS WITH NO SPLICES ALLOWED WITHIN 12'-0" MINIMUM FROM FRAMING CORNERS, UNLESS NOTED OTHERWISE.
14. PLYWOOD NOTES:
    - IN HORIZONTAL PLYWOOD DIAPHRAGMS, NO PANEL LESS THAN 2'-0" WIDE SHALL BE USED. IN VERTICAL PLYWOOD SHEAR WALLS, NO PANEL LESS THAN 1'-4" WIDE SHALL BE USED. PLYWOOD SHEETS SHALL NOT BE LESS THAN 8 SQUARE FEET AT ANY LOCATION. PROVIDE FULL SHEETS OF PLYWOOD WHEREVER POSSIBLE.
    - ANY PIECE OF PLYWOOD SPANNING ACROSS FEWER THAN 3 SUPPORTS SHALL BE BLOCKED ON EDGES.
    - SHEAR WALL PLYWOOD SHALL BE BLOCKED AT ALL EDGES.
    - DIAPHRAGM AND SHEAR WALL NAILING SHALL CONFORM TO SECTION 2306.3 OF C.B.C. 2019.
    - NAILS SHALL NOT BE OVER DRIVEN AS TO CAUSE CRUSHING OF FACEFLY.
    - WHERE GLUING OF PLYWOOD IS REQUIRED, INSURE THAT CONTACT SURFACES ARE FREE OF DIRE, DUST, STANDING WATER OR OTHER DELETERIOUS MATTER. APPLY A BEAD OF GLUE ABOUT 1/4 INCH IN DIAMETER TO ALL CONTACT/ BEARING SURFACES. ON WIDE AREAS, APPLY GLUE IN SERPENTINE PATTERN. APPLY TWO BEADS OF GLUE ON JOISTS WHERE PANEL ENDS BUTT TO EACH OTHER. APPLY GLUE PROGRESSIVELY TO BUTTING EDGES OF PANELS AND INTO THE GROOVED EDGES OF TONGUE AND GROVE PANELS AS WORK PROGRESSES. ADHESIVE SHALL CONFORM TO A.P.A. SPEC AFG-01.
15. ALL STRUCTURAL WOOD SHALL CONFORM WITH THE FOLLOWING SPECIFICATIONS:
    - DOUGLAS FIR - LARCH . . . . . WCLIB OR WWPA RULES
    - PLYWOOD . . . . . U.S. PRODUCT STANDARD PS1-07 FOR STRUCTURAL PLYWOOD . . . . . PLYWOOD SHEATHING, GROUP 1, EXP. 1, U.N.O.
16. MINIMUM GRADES SHALL BE AS FOLLOWS U.N.O. ON DRAWINGS:
    - STRUCTURAL FRAMING. . . . . DF NO. 1 OR BETTER
    - 4x AND LARGER AND POST. . . . . DF NO. 1 OR BETTER
17. PREDRILL HOLES WHERE WOOD TENDS TO SPLIT.
18. WHERE LAG SCREWS ARE INDICATED, PROVIDE A FULL BODY DIAMETER LAG SCREW. THE SHANK SHALL EXTEND BEYOND THE ADJOINING MEMBER PLANE, U.N.O. LAG SCREWS SHALL NOT HAVE UPSET THREADS OR REDUCED BODY.
19. FOR LAG SCREWS, LEAD HOLE FOR THE UNTHREADED PORTION SHALL HAVE A DIAMETER EQUAL TO THE SHANK DIAMETER AND THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 65% OF THE SHANK DIAMETER. MINIMUM PENETRATION (NOT INCLUDING THE LENGTH OF TAPERED TIP) OF THE LAG SCREW INTO MAIN MEMBER SHALL BE EIGHT TIMES THE DIAMETER. LEAD HOLES ARE NOT REQUIRED FOR 5/8" AND SMALLER DIAMETER LAG SCREWS PROVIDED THAT EDGE DISTANCES, END DISTANCES, AND SPACING ARE SUFFICIENT TO PREVENT UNUSUAL SPLITTING.
20. SEE NAILING SCHEDULE FOR MINIMUM NAILING REQUIREMENTS.
21. USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE LOCAL BUILDING DEPARTMENT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MIN. ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

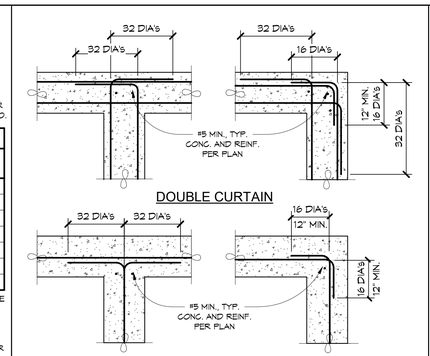
E7 WOOD NOTES

X/S102 | NOT TO SCALE

1. ALL LVL TO BE 'REDLAM' AS MANUFACTURED BY REDBUILT, OR EQUIVALENT. SEE STRUCTURAL PLANS FOR SPECIFIC INFORMATION ON THE LVL'S BEING USED ON THIS PROJECT. SUBSTITUTE LVL'S MUST BE SUBMITTED AND APPROVED BY THE BUILDING DEPARTMENT AS A CHANGE ORDER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BEAR ALL COSTS OF OBTAINING APPROVAL OF SUBSTITUTES, WITH NO GUARANTEE THAT THE SUBSTITUTE WILL BE ACCEPTED.
2. DESIGN AND FABRICATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 C.B.C. AND I.C.C. E.S. REPORT E.S.R.-2993.
3. ALLOWABLE STRESS INCREASES FOR LOAD DURATION SHALL BE:
    - WIND OR SEISMIC 1.6
    - ROOF 1.25
    - SNOW 1.15
    - FLOOR 1.0
4. ALLOWABLE STRESS INCREASES FOR REPETITIVE MEMBERS SHALL BE NOT BE TAKEN GREATER THAN 1.0 PER N.D.S.-18 SECTION 8.3.7.
5. NO HOLES OR NOTCHES OF ANY KIND ARE ALLOWED IN ANY LVL'S, UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
6. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS, AND THEN VERIFY IN FIELD WALL LAYOUT DIMENSIONS. NOTIFY THE ENGINEER AND ARCHITECT PRIOR TO PROCEEDING IF ANY DISCREPANCIES EXIST.
7. LVL MEMBERS SHALL MEET THE MINIMUM PROPERTIES SHOWN BELOW:
    - F_b = 2,700 PSI
    - F_v = 285 PSI
    - F_c (PERPENDICULAR) = 750 PSI
    - F_c (PARALLEL) = 2,510 PSI
    - E = 2,000,000 PSI
    - Emin. = 965,710 PSI

A7 LVL NOTES LAMINATED VENEER LUMBER

X/S102 | NOT TO SCALE



DOUBLE CURTAIN

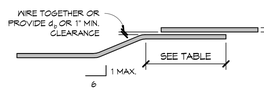
SINGLE CURTAIN

N11 REBAR PLACEMENT AT INTERSECTIONS

X/S102 | NOT TO SCALE

LAP LENGTH (3,000 PSI CONCRETE)

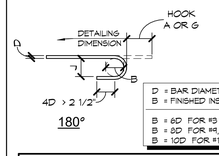
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
BOTTOM BAR	16"	28"	36"	43"	62"	72"	81"	91"	101"
TOP BAR	21"	38"	47"	56"	81"	94"	105"	118"	131"



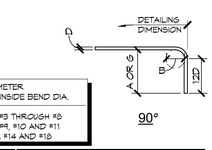
NOTES:
1. SPLICES ARE SHOWN IN INCHES AND SHALL CONFORM TO CLASS "B" SPLICES AS PER A.C.I.318-14, FOR 3,000 PSI CONCRETE.
2. SPLICE LENGTHS ASSUME THE MODIFICATION FACTORS OF A.C.I.318-14 SECTIONS 25.1.1 ARE 1.0. FOR OTHER CONDITIONS PROVIDE SPLICE LENGTHS IN ACCORDANCE WITH A.C.I.318-14.
3. USE THE SPLICE LENGTH GIVEN FOR TOP BARS WHEN MORE THAN 12" OF CONCRETE IS CAST BELOW HORIZONTAL BARS IN THE MEMBER. USE THE SPLICE LENGTH GIVEN FOR BOTTOM BARS FOR ALL OTHER CONDITIONS.

J11 LAP SPLICE SCHEDULE (CONC.)

X/S102 | NOT TO SCALE



180°

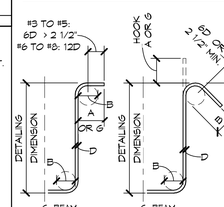


90°

D = BAR DIAMETER
B = FINISHED INSIDE BEND DIA.
B = 6D FOR #3 THROUGH #8
B = 8D FOR #9, #10 AND #11
B = 10D FOR #14 AND #18

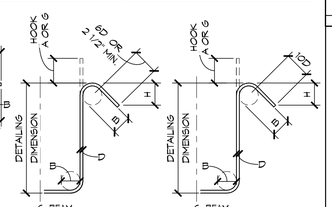
DIMENSION OF STD. 180° HOOKS, ALL GRADES			
BAR SIZE	A OR G	J	B
#3	5"	3"	2 1/4"
#4	6"	4"	3"
#5	7"	5"	3 3/4"
#6	8"	6"	4 1/2"
#7	10"	7"	5 1/4"
#8	11"	8"	6"
#9	1'-3"	1'-1 3/4"	9 1/2"
#10	1'-5"	1'-1 1/4"	10 3/4"
#11	1'-7"	1'-2 3/4"	12"
#14	2'-3"	1'-9 3/4"	18 1/4"
#18	3'-0"	2'-4 1/2"	24"

DIMENSION OF STD. 90° HOOKS, ALL GRADES		
A OR G	B	
6"	2 1/4"	
8"	3"	
10"	3 3/4"	
1'-0"	4 1/2"	
1'-2"	5 1/4"	
1'-4"	6"	
1'-7"	9 1/2"	
1'-10"	10 3/4"	
2'-0"	12"	
2'-7"	18 1/4"	
3'-5"	24"	



90°

STIRRUP HOOKS
(TIE BENDS SIMILAR)



135°

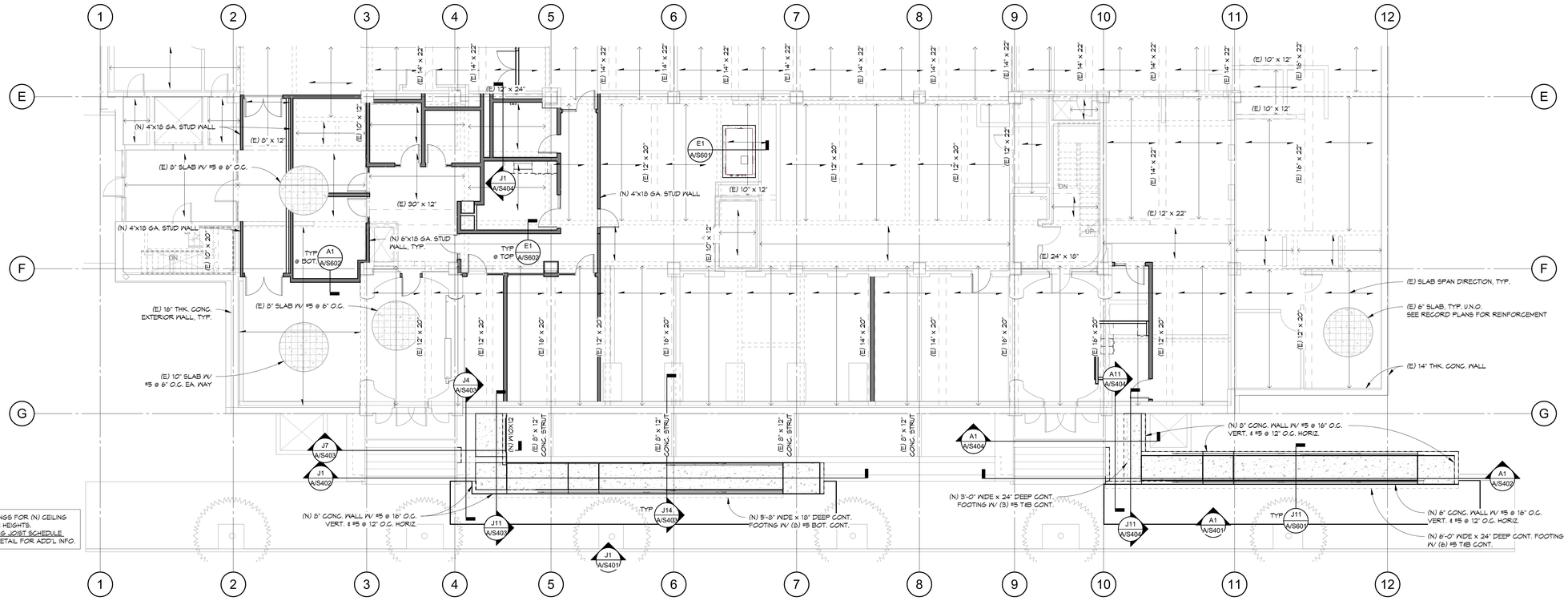
SEISMIC STIRRUP/TIE

BAR SIZE	B	90°		135°		135° SEISMIC HOOK			
		A OR G		A OR G	APPROX H.	SIZE	B	A OR G	APPROX H.
#3	1 1/2"	4"		4"	2 1/2"	#3	1 1/2"	4 1/4"	3"
#4	2"	4 1/2"		4 1/2"	3"	#4	2"	4 1/2"	3"
#5	2 1/2"	6"		5 1/2"	3 3/4"	#5	2 1/2"	5 1/2"	3 3/4"
#6	4 1/2"	1'-0"		6"	4 1/2"	#6	4 1/2"	8"	4 1/2"
#7	5 1/4"	1'-2"		7"	5 1/4"	#7	5 1/4"	9"	5 1/4"
#8	6"	1'-4"		10 1/2"	6"	#8	6"	10 1/2"	6"

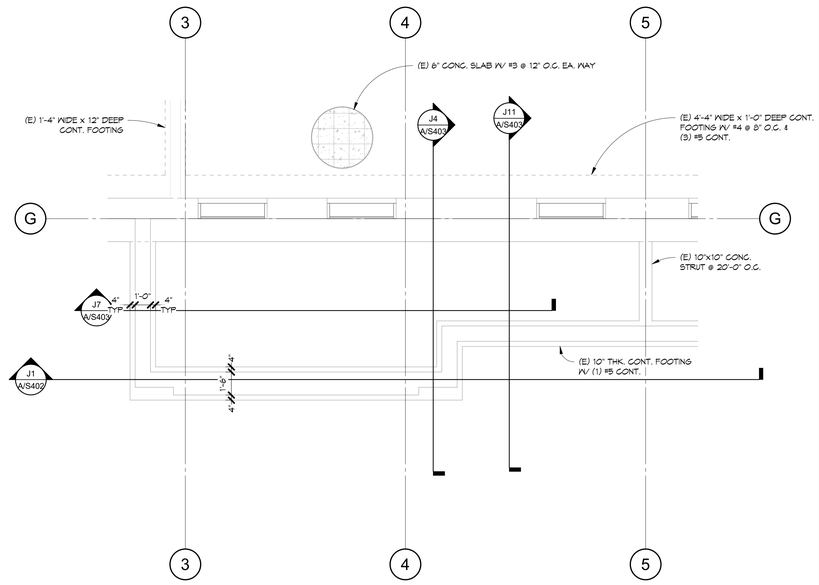
A11 STANDARD REBAR HOOKS

X/S102 | NOT TO SCALE

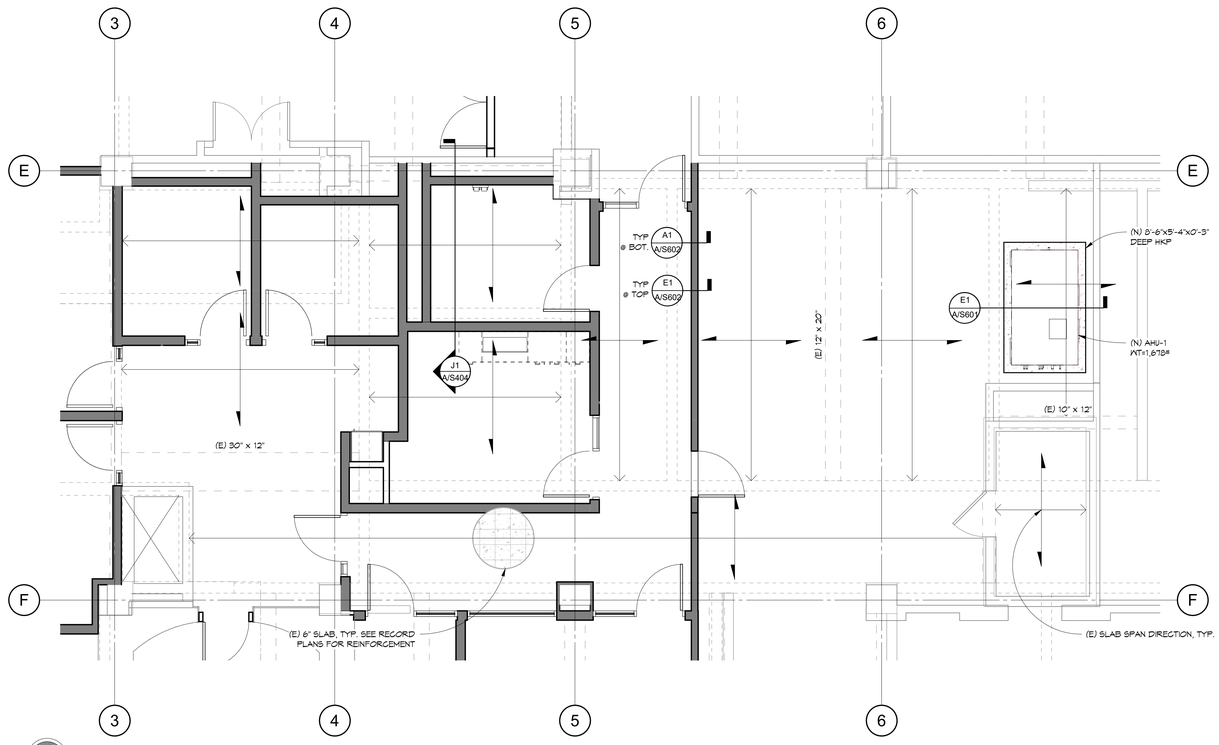
1. FOUNDATIONS SHALL BEAR ON ENGINEERED FILL OR NATIVE SOIL A MINIMUM OF XX" BELOW ADJACENT GRADE OR FINISHED GRADE U.N.O. IN A SOILS REPORT.
2. MAXIMUM SIZE AGGREGATE SHALL BE AS FOLLOWS:
    - SLAB ON GRADE: 1"
    - CONCRETE OVER METAL DECK: 3/8"
    - FOOTINGS 1 1/2"
    - COLUMNS & WALLS 1 1/2"
3. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS:
    - 4000 PSI NORMAL WEIGHT SLAB ON GRADE
    - 3000 PSI NORMAL WEIGHT CONCRETE OVER METAL DECK
    - 3000 PSI NORMAL WEIGHT FOOTINGS
    - 3000 PSI NORMAL WEIGHT COLUMNS & WALLS
4. MAXIMUM WATER CEMENT RATIOS SHALL BE AS FOLLOWS:
    - 0.45 SLAB ON GRADE
    - 0.45 CONCRETE OVER METAL DECK
    - 0.58 FOOTINGS
    - 0.50 COLUMNS & WALLS
5. THICKNESS OF CONCRETE FILL OVER METAL DECK PER PLANS ARE MINIMUM THICKNESS. CONTRACTOR



J1 | FIRST FLOOR PARTIAL FRAMING PLAN
A/S401 | A/S301 | 1/8" = 1'-0"



A1 | (E) STAIRS PARTIAL FOUNDATION PLAN
A/S401 | A/S301 | 1/4" = 1'-0"



A7 | FIRST FLOOR PARTIAL MECH'L ANCHORAGE PLAN
A/S401 | A/S301 | 1/4" = 1'-0"

BrooksRansom ASSOCIATES
749 N PALM AVE, STE 101 FRESNO, CA 93728
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FIRST FLOOR PARTIAL FRAMING PLAN
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Scale: As indicated	Drawn By: ER		A/S301
Project Number:XXXXX	Checked By: AL		
Date: 2022-02-25	Reviewed By: AL		

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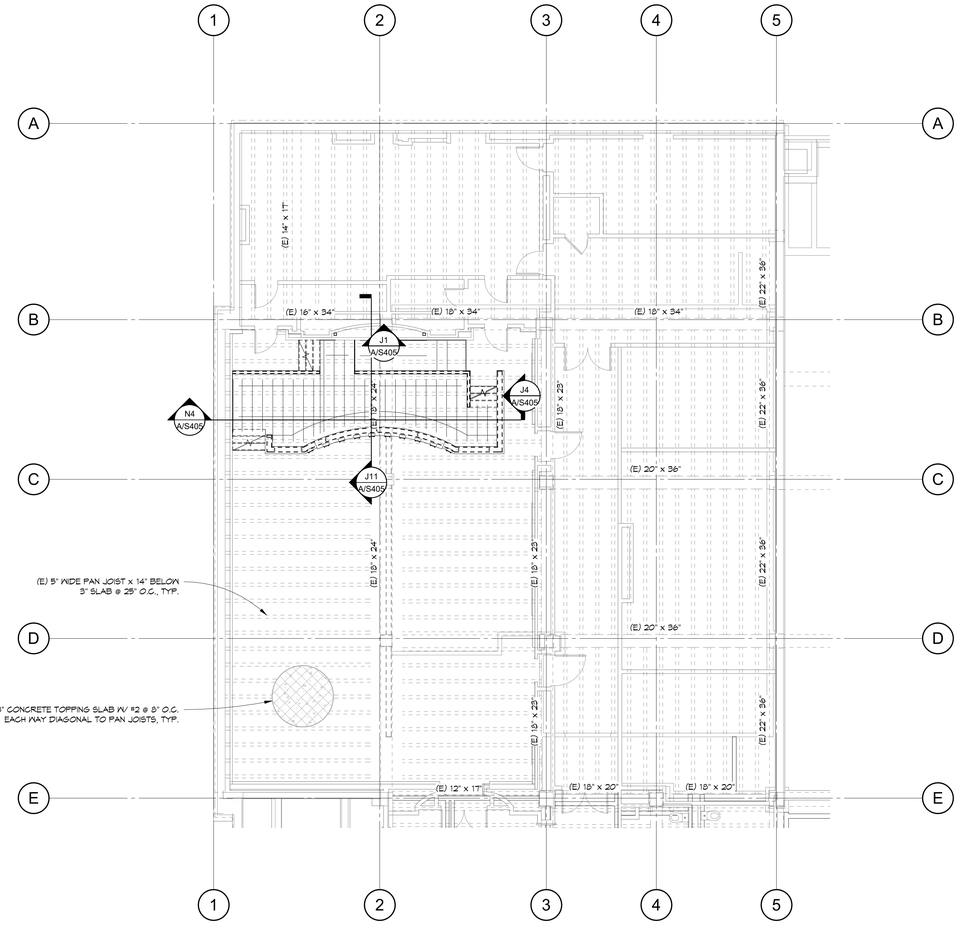
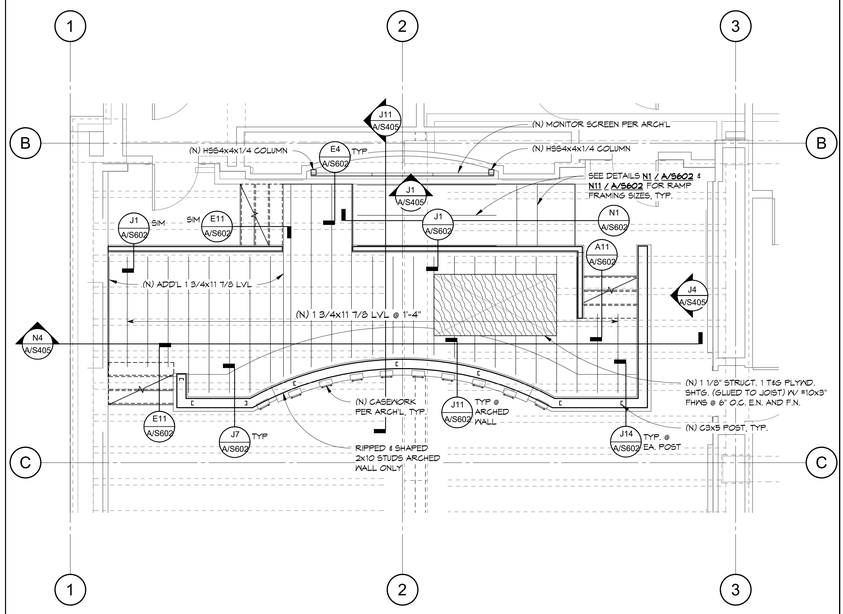


A1	SECOND FLOOR PARTIAL FRAMING PLAN		
A/S404	A/S302	1/8" = 1'-0"	



J11	PLATFORM FRAMING PLAN		
A/S404	A/S302	1/4" = 1'-0"	

1. SEE TYPICAL SHEETS FOR ALL GENERAL AND MATERIAL NOTES, AND ALL TYPICAL SCHEDULES AND DETAILS. THE INFORMATION ON THE TYPICAL SHEETS APPLY TO THE PROJECT AND ARE NOT SPECIFICALLY REFERENCED ON PLAN WORK, UNLESS NOTED OTHERWISE. IF TYPICAL DETAILS ARE SPECIFIED ON PLANS OR NOTES, THEY WILL BE REFERENCED WITH THE WORD "TYPICAL" FOLLOWED BY **BOLD AND UNDERLINED** TEXT STATING THE TITLE OF THE TYPICAL DETAIL OR NOTE.
2. ALL UNCLEAR AND/OR MISSING DETAILS SHALL BE BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION BEFORE PROCEEDING WITH CONSTRUCTION.
3. ALL EXTERIOR WALLS AND EXTERIOR SOFFITS SHALL HAVE 15/32" SHEATHING WITH 10d @ 6"O.C. E.N. AND 10d @ 12"O.C. F.N., UNLESS NOTED OTHERWISE. SEE **WOOD NOTES** FOR SHEATHING MATERIAL.
4. ALL TOP OF FRAMING ABOVE FINISH SLAB VARIES, SEE PLAN FOR INFORMATION.
5. VERIFY ROOF SLOPE(S) WITH ARCHITECTURAL PLANS.
6. AT OPENINGS IN DIAPHRAGM OR WALL SHEATHING SEE TYPICAL **BLOCKING AROUND OPENING** DETAIL FOR INFORMATION, UNLESS NOTED OTHERWISE.
7. TOP PLATE SPLICES SHALL BE NAILED PER THE TYPICAL **TOP PLATE SPLICE** DETAIL.
8. WHERE FRAMING MEMBERS ARE BUILT UP OF MULTIPLE MEMBERS, SEE TYPICAL **MULTIPLE-MEMBER CONNECTION** DETAIL FOR FASTENER INFORMATION.
9. ALL FRAMING SHALL BE D.F. NO. 1 OR BETTER, UNLESS OTHERWISE NOTED. SEE TYPICAL **WOOD NOTES** ADDITIONAL INFORMATION.
10. COORDINATE WITH ARCHITECTURAL IF ADDITIONAL FRAMING BLOCKING IS REQUIRED FOR SUSPENDED CEILING, SOFFITS AND FINISHES.
11. DIAPHRAGM SHEATHING SHALL BE BOUNDARY NAILED TO ALL BLOCKING, BEAM AND RAFTERS THAT ARE IN LINE WITH SHEAR WALLS.
12. WHERE HEADERS ARE NOT SPECIFICALLY NOTED ON PLAN, SEE TYPICAL **WALL FRAMING AT OPENINGS** DETAIL FOR HEADER INFORMATION.
13. ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE.

E11	WOOD FRAMING NOTES		
	A/S302	NOT TO SCALE	

(E) NON-BEARING WALL.

(N) NON-BEARING WALL. PROVIDE 2x STUDS @ 16"O.C. SEE ARCHITECTURAL PLANS FOR THICKNESS OF STUDS REQUIRED. SEE TYPICAL **NON-BEARING WALL** DETAIL FOR TOP OF WALL CONNECTION.

WALL BELOW. SEE FRAMING PLAN AT LEVEL BELOW.

"XX" AS INDICATED ON PLAN. SEE TYPICAL **SCHEDULES** AS FOLLOWS:
C# - COLUMN SCHEDULE
P# - PILASTER SCHEDULE
W# - WALL SCHEDULE
F# - FOUNDATION SCHEDULE

F.F. +X'-X" FINISHED FLOOR (F.F.) OR TOP OF FRAMING (T.O.F.). +X'-X" IS THE DISTANCE FROM FINISHED FIRST FLOOR, UNLESS NOTED OTHERWISE.

E14	WOOD LEGEND		
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7485 N. PALM AVE, STE 100 | FRESNO, CA 93711
(559) 449-0444 OFFICE | (559) 449-0454 FAX
19707.01

REGISTERED PROFESSIONAL ENGINEER
GAYLORD R. RANSOM
No. S 2386
EXPIRES 3-31-26
STRUCTURAL
STATE OF CALIFORNIA

Consultant

BOARD ROOM REMODEL
Fresno Unified School District
Fresno, CA
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LICENSED ARCHITECT
ARSENIO J. AVILA
No. C26235
Exp. 10-31-25
STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: AL	Copyright	Darden Architects
Scale: As indicated	Drawn By: ER		A/S302
Project Number:XXXXX	Checked By: AL		
Date: 2022-02-25	Reviewed/Approver		

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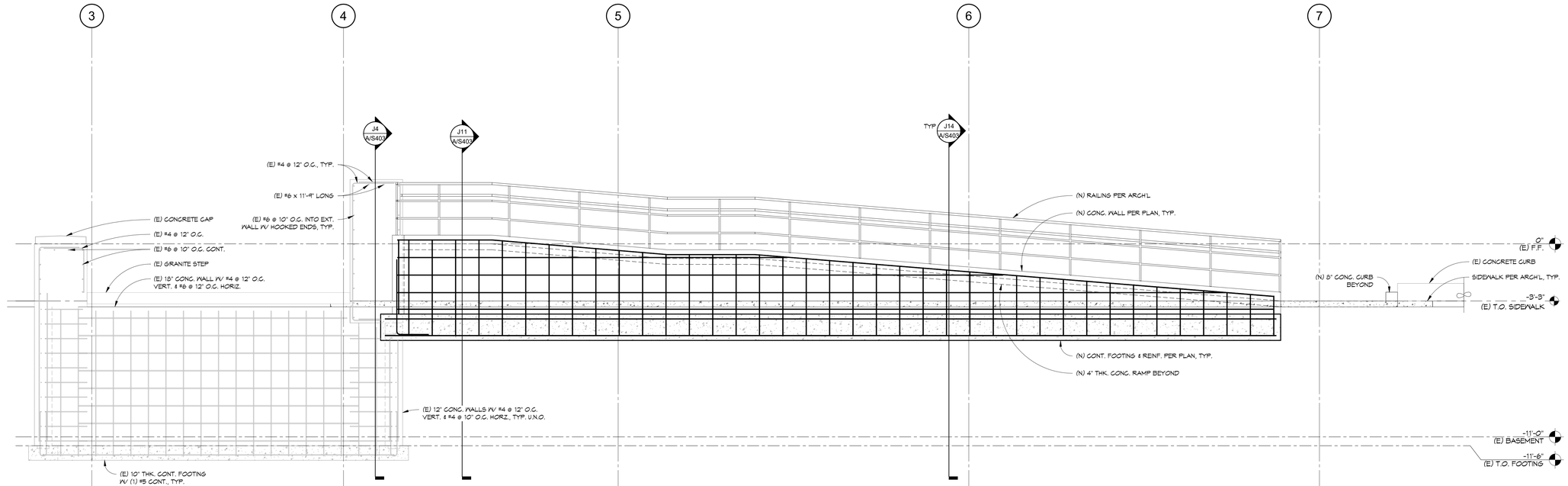
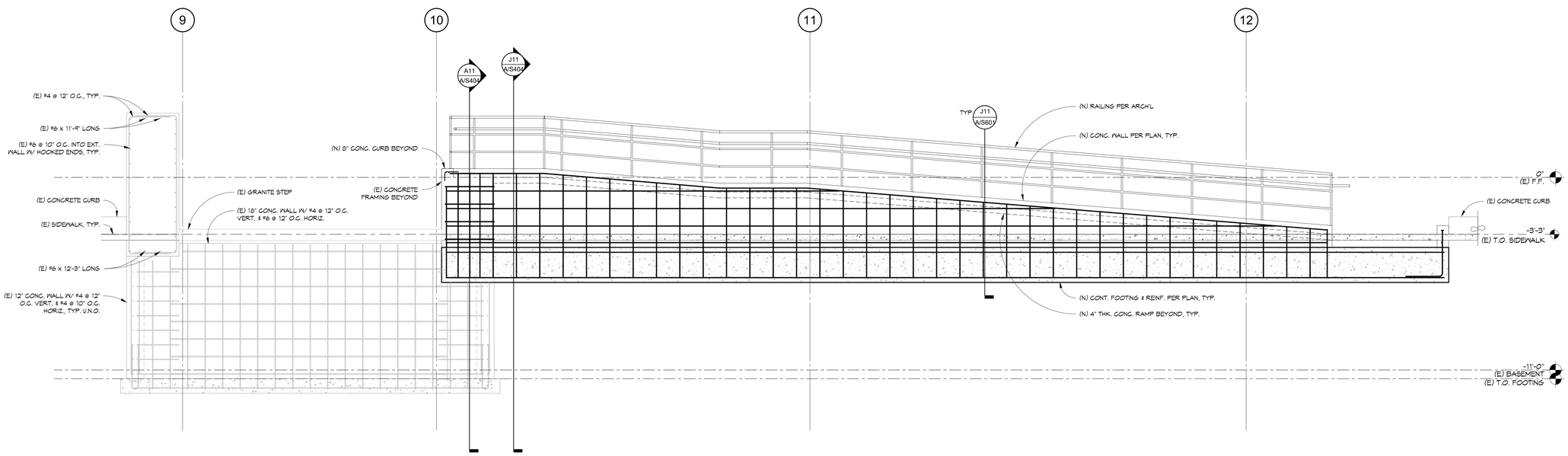


J1 ELEVATION

A/S301 A/S401 3/8" = 1'-0"



A1 ELEVATION

A/S301 A/S401 3/8" = 1'-0"

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(559) 449-9444 OFFICE | (559) 449-9454 FAX
19707.01

REGISTERED PROFESSIONAL ENGINEER
GAYLORD R. RANSOM JR.
NO. S23386
EXPIRES 1-31-23
CIVIL
STATE OF CALIFORNIA

Consultant

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No. C26235
Exp. 10-31-23
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Architect

No.	Revision/Submission	Date

Revision

		Designed By: ER	Copyright Darden Architects
Scale:	3/8" = 1'-0"	Drawn By: ER	A/S401
Project Number:	XXXXX	Checked By: AL	
Date:	2022-02-25	Reviewed By: AL	

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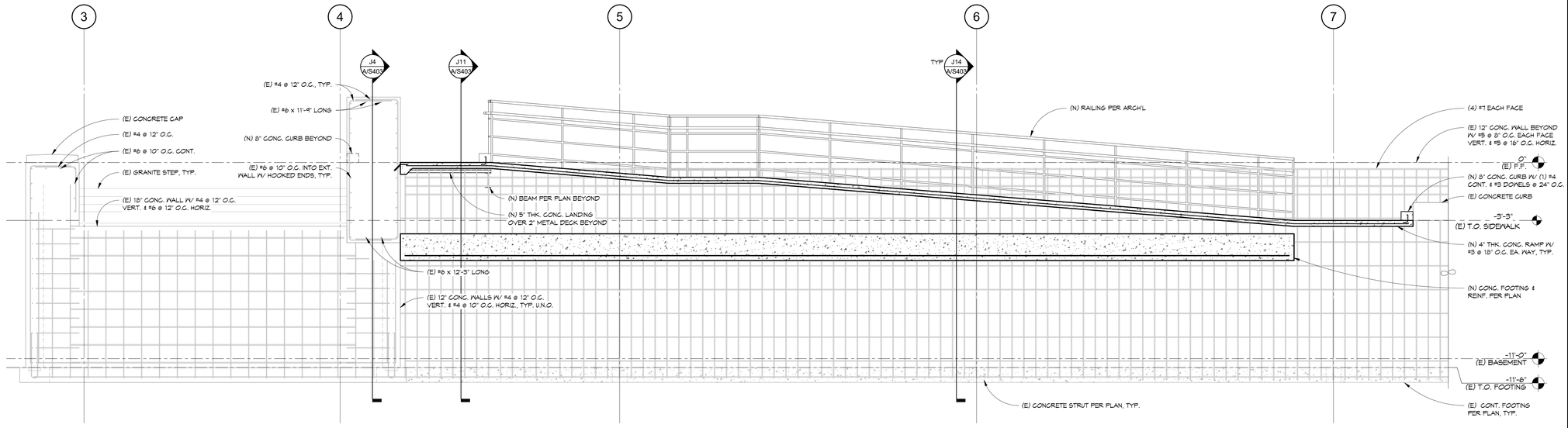
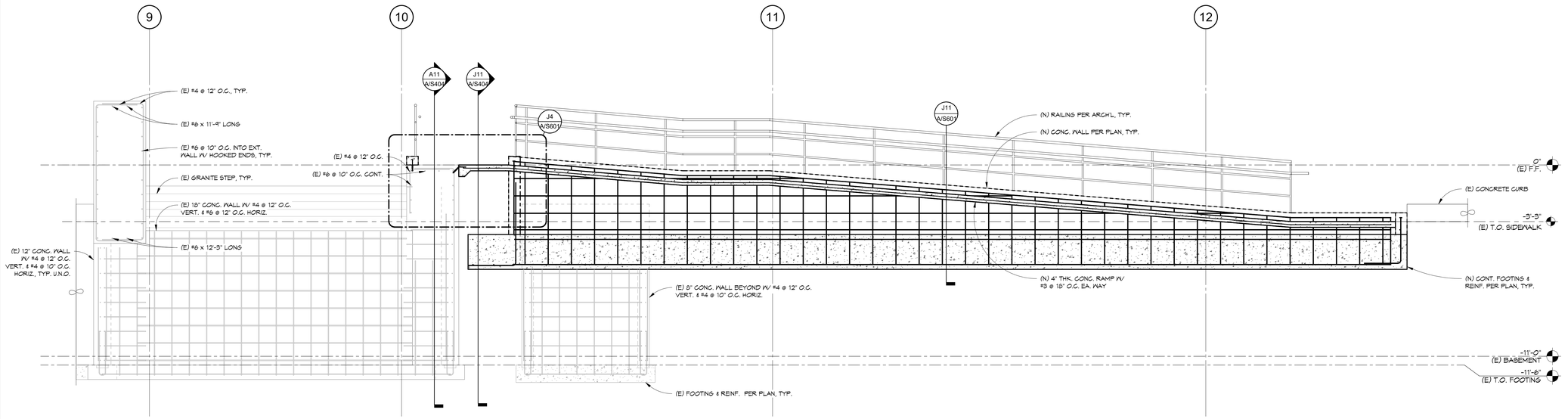


J1 SECTION
A/S301 | A/S402 | 3/8" = 1'-0"



A1 SECTION
A/S301 | A/S402 | 3/8" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
GAYLORD R. RANSOM JR.
NO. S23861
EXPIRES 1-31-23
CIVIL
STATE OF CALIFORNIA

Consultant

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LICENSED ARCHITECT
ARSHID J. ARYA
No. C26235
Exp. 10-31-23
STATE OF CALIFORNIA

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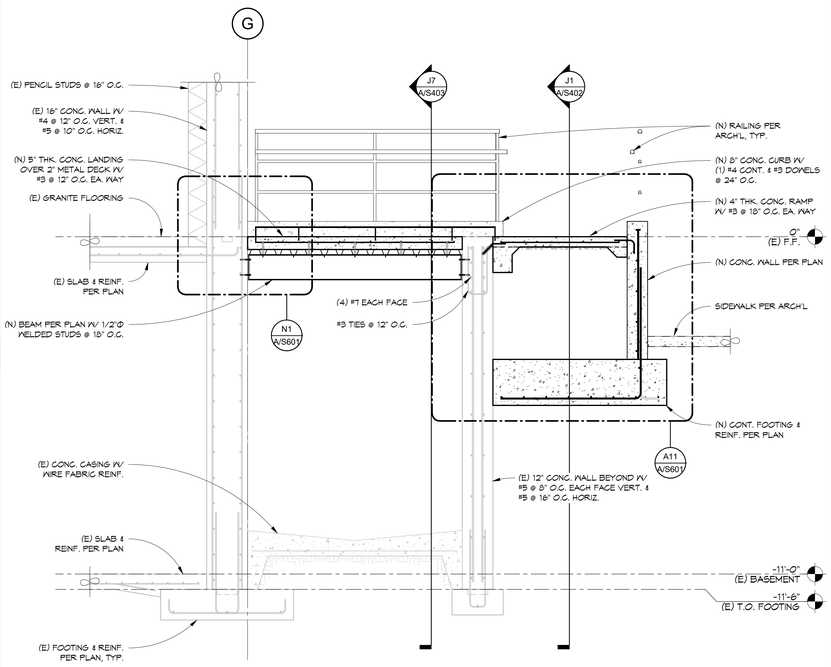
N1 NOT USED
NOT TO SCALE

J1 NOT USED
NOT TO SCALE



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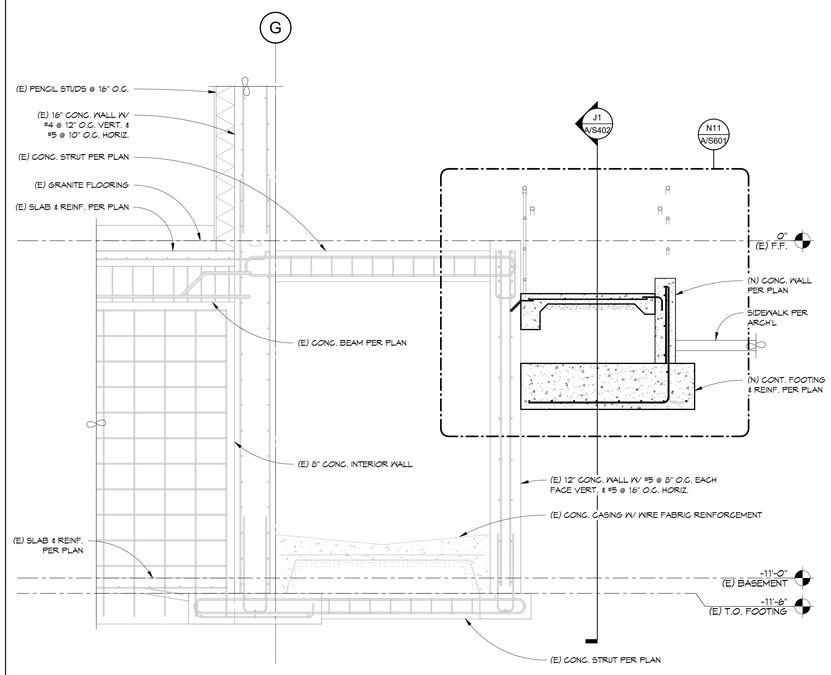

J14 SECTION
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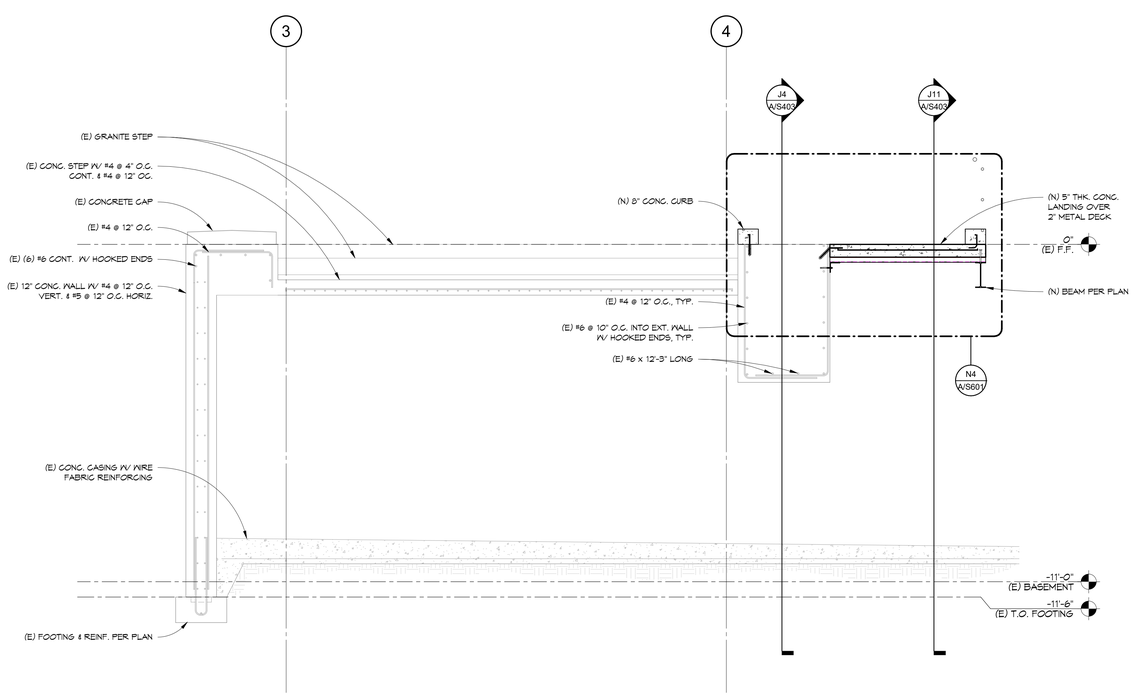
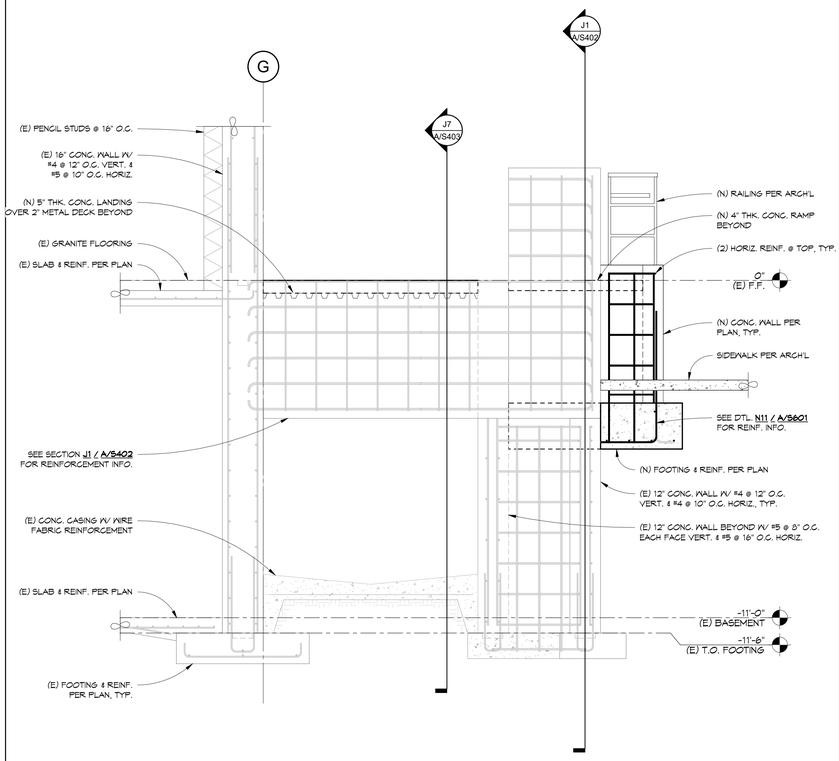


J7 SECTION
A/S301 | A/S403 | 1/2" = 1'-0"



J4 SECTION
A/S301 | A/S403 | 1/2" = 1'-0"

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Architect

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A/S403

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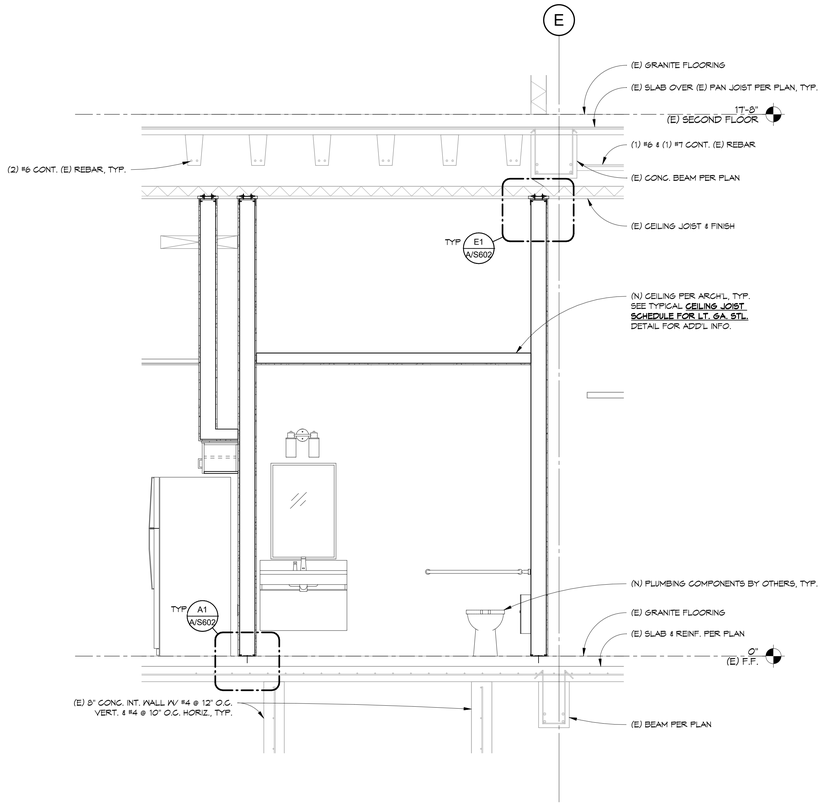

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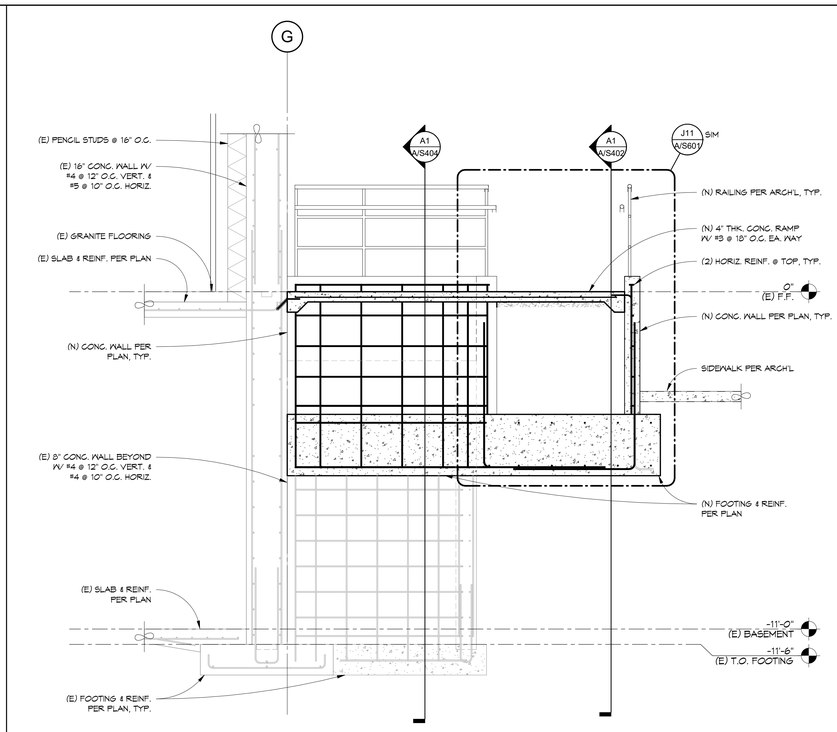

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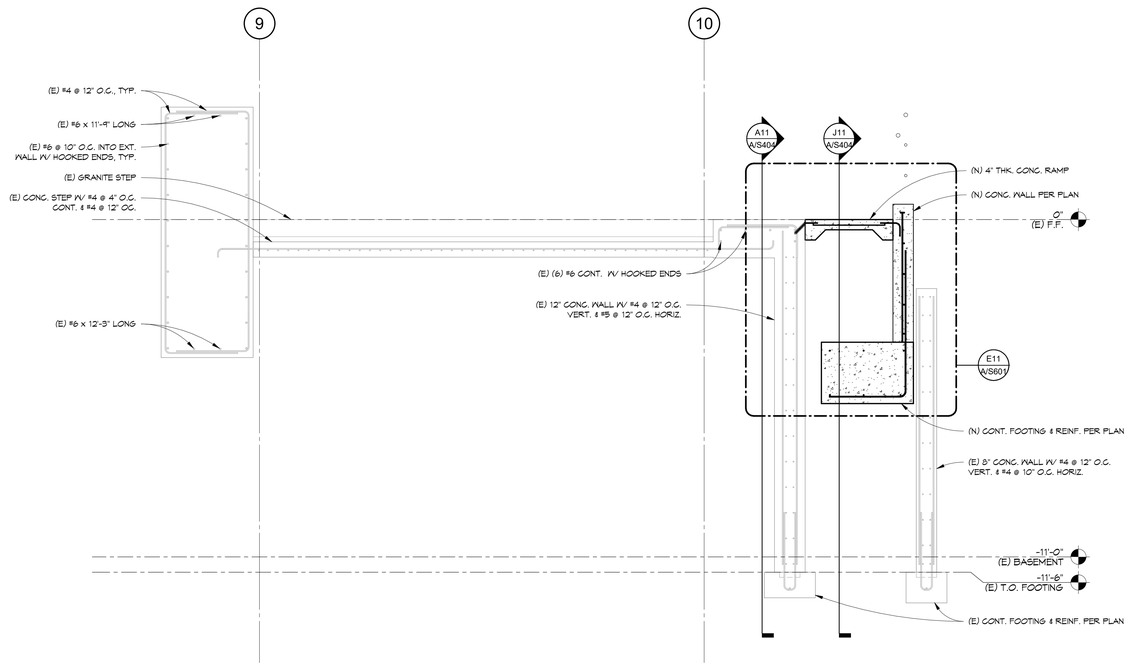

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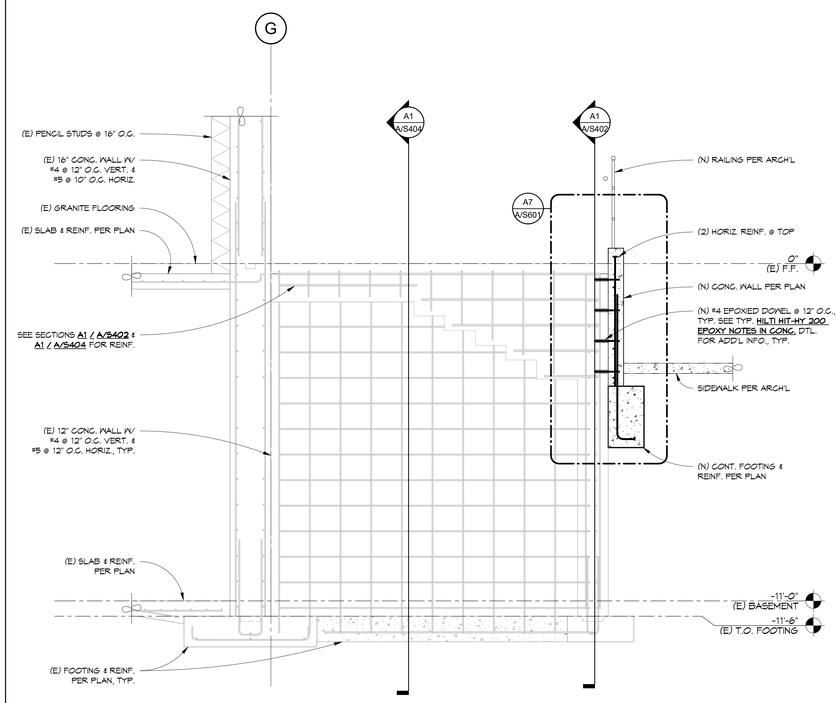

A11 SECTION
A/S301 A/S404 1/2" = 1'-0"

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A/S404

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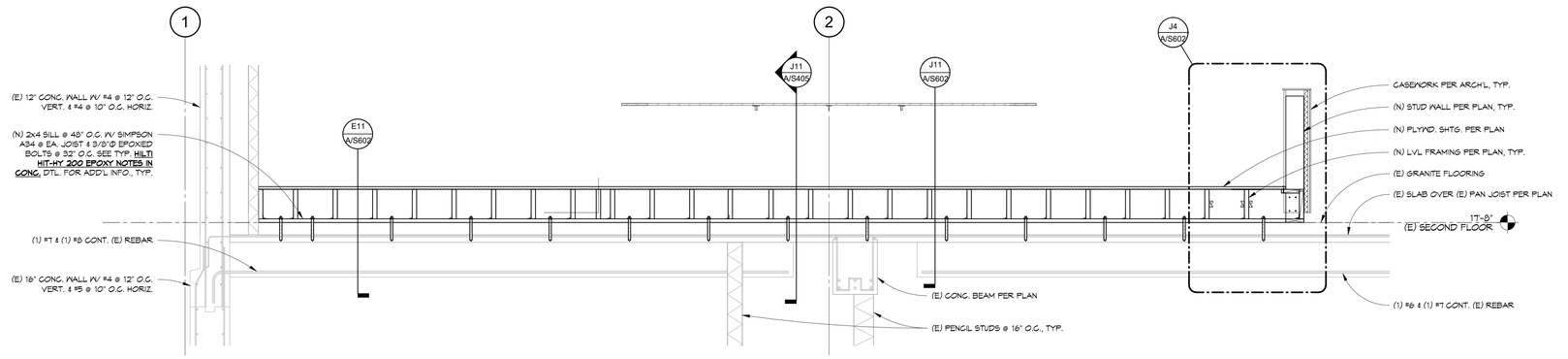
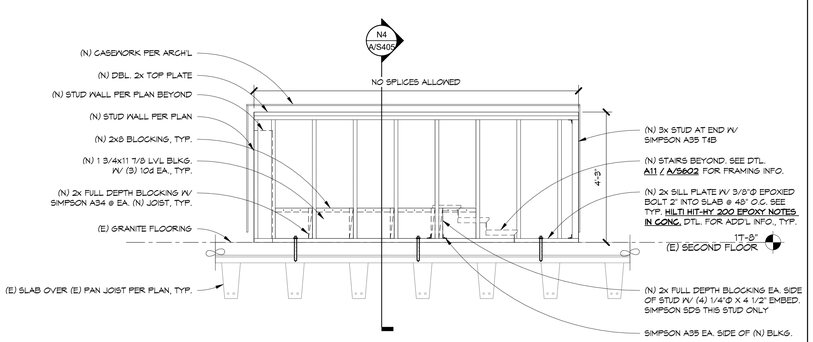
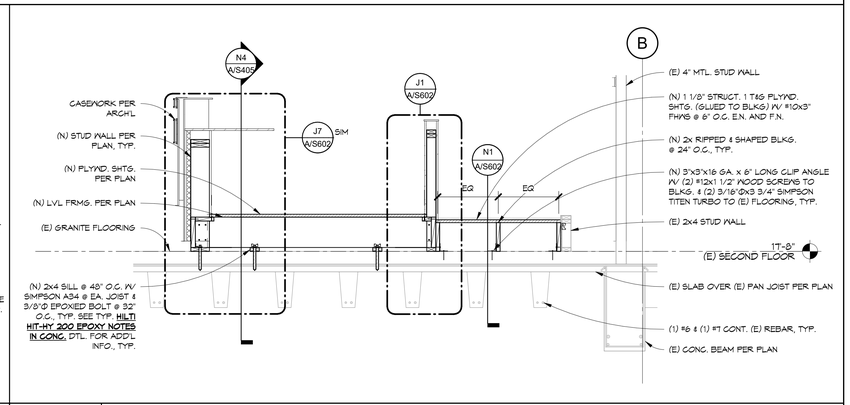


N4 SECTION
A/S302 | A/S405 | 1/2" = 1'-0"



J4 WALL ELEVATION
A/S302 | A/S405 | 1/2" = 1'-0"



J11 SECTION
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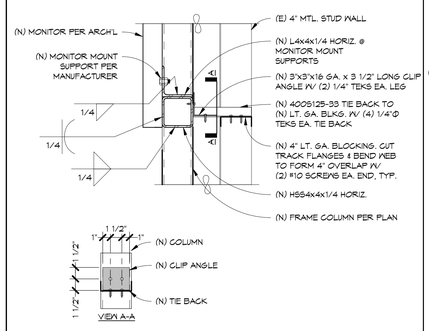
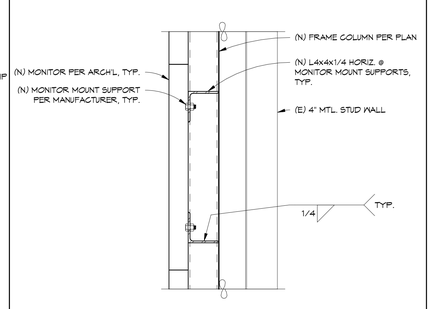


E1 DETAIL
A/S405 | A/S405 | 1 1/2" = 1'-0"



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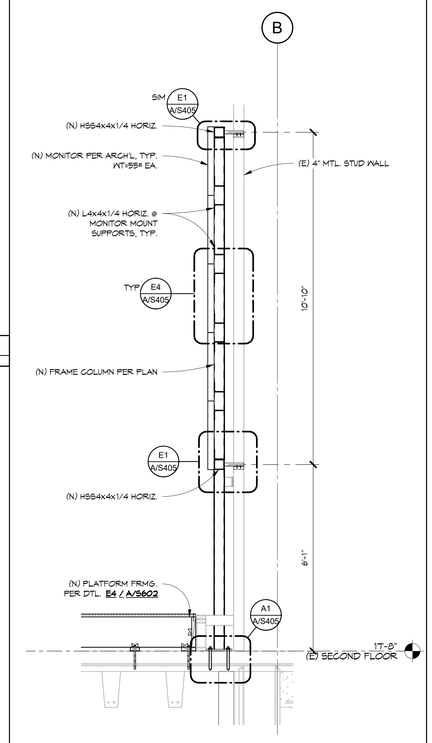
A/S405 | A/S405 | 1 1/2" = 1'-0"



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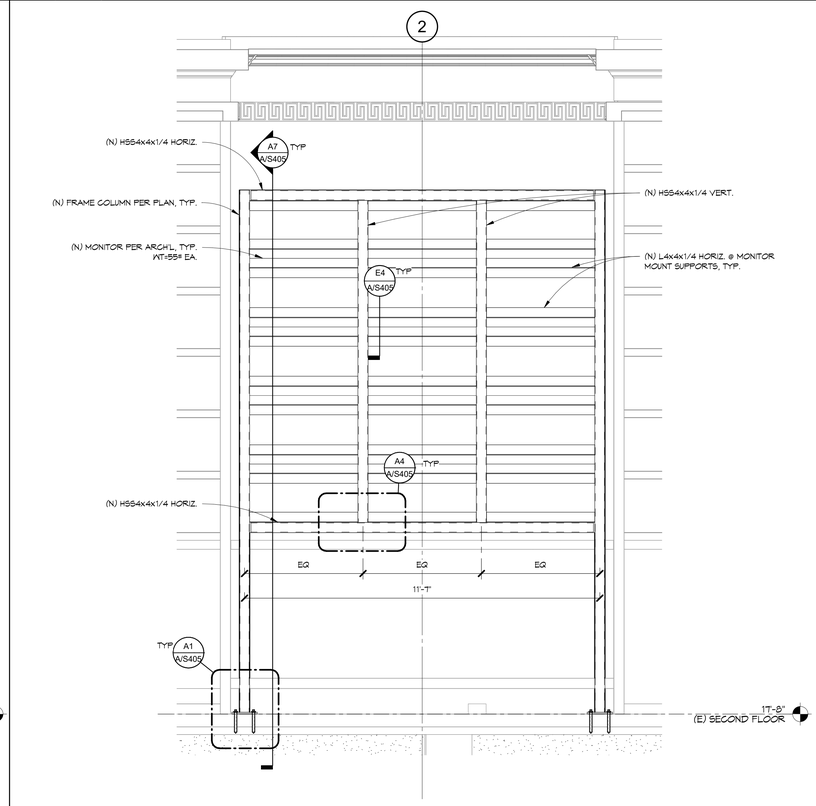
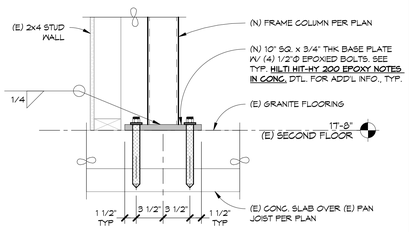
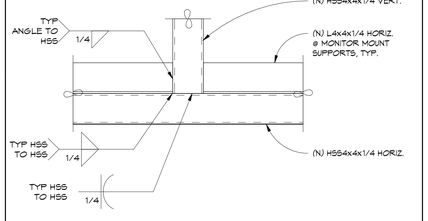


J1 WALL ELEVATION
A/S302 | A/S405 | 1/2" = 1'-0"



A1 DETAIL
A/S405 | A/S405 | 1 1/2" = 1'-0"



A4 DETAIL
A/S405 | A/S405 | 1 1/2" = 1'-0"

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7485 N. PALM AVE, STE 102 | FRESNO, CA 93711
(559) 449-0444 OFFICE | (559) 449-0404 FAX
19707.01

REGISTERED PROFESSIONAL ENGINEER
DAVID R. RANSOM
NO. 52386
EXPIRES
3-31-23
STRUCTURAL
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Consultant

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Fresno, CA

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LICENSED ARCHITECT
ARISTOTLE J. AVILES
No. C26235
10-31-23
STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

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Scale: As indicated	Drawn By: ER		
Project Number:XXXXX	Checked By: AL		
Date: 2022-02-25	Reviewed By: AL		

A/S405

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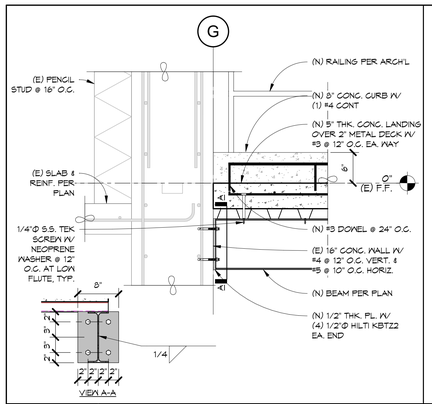
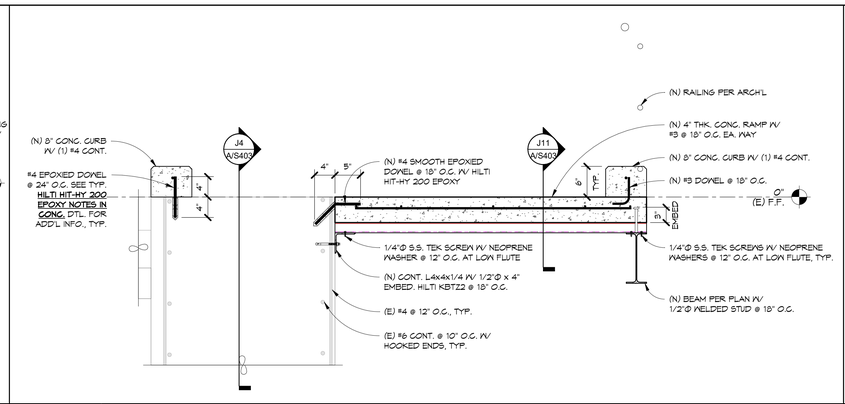


N1	DETAIL
A/S403 | A/S601	1" = 1'-0"



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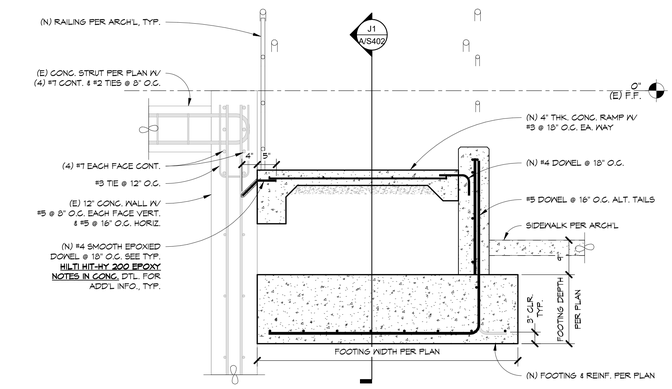

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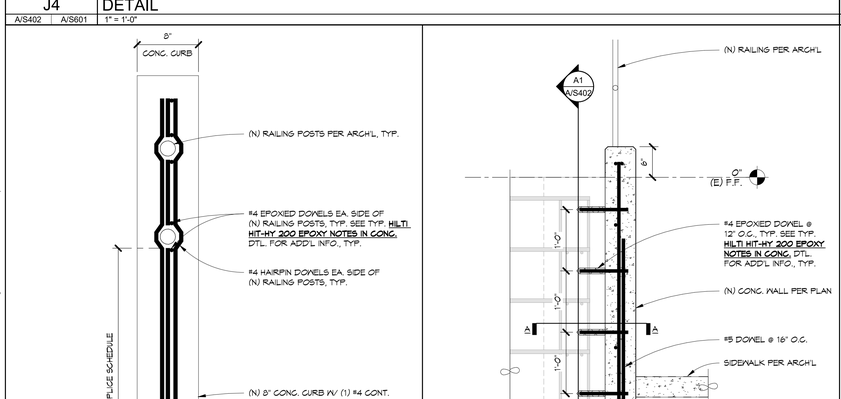
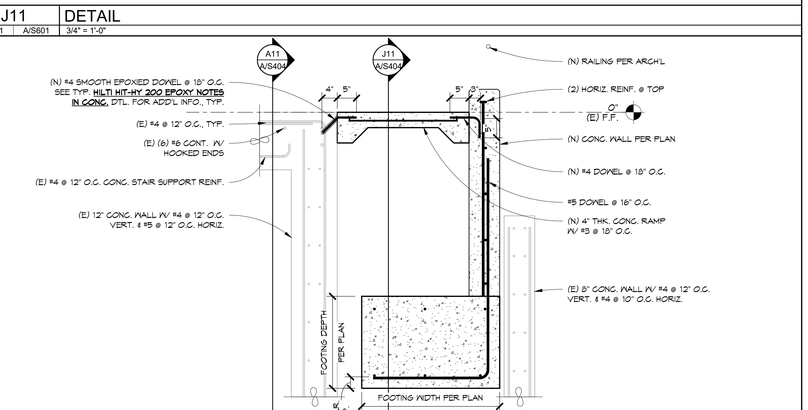
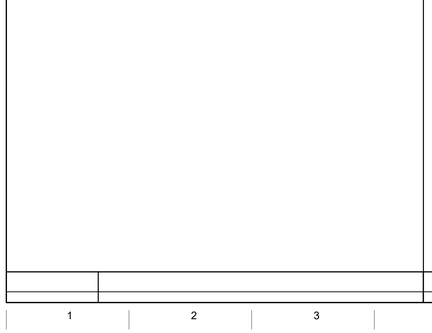
A/S403 | A/S601	3/4" = 1'-0"



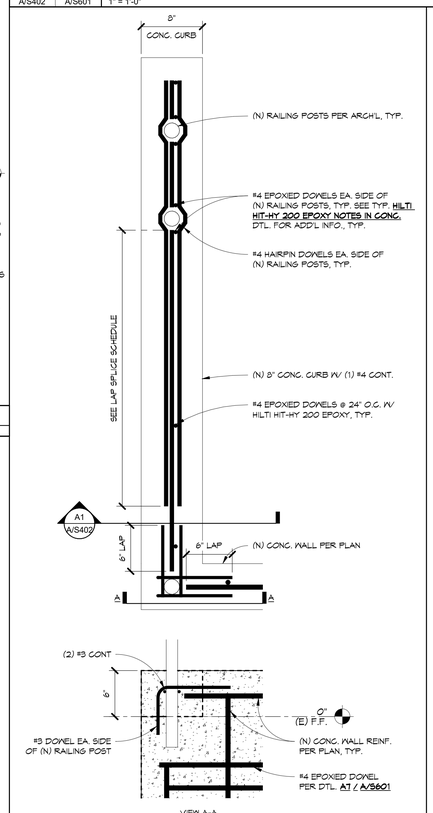
J4	DETAIL
A/S402 | A/S601	1" = 1'-0"



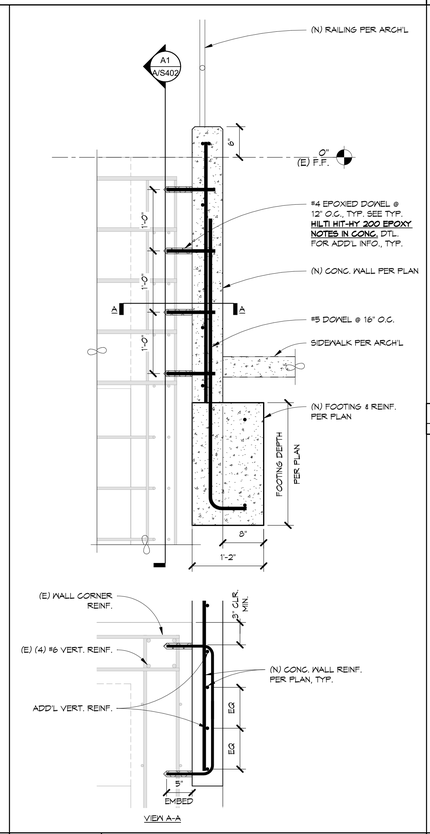
J11	DETAIL
A/S301 | A/S601	3/4" = 1'-0"



E1	DETAIL
A/S301 | A/S601	3/4" = 1'-0"

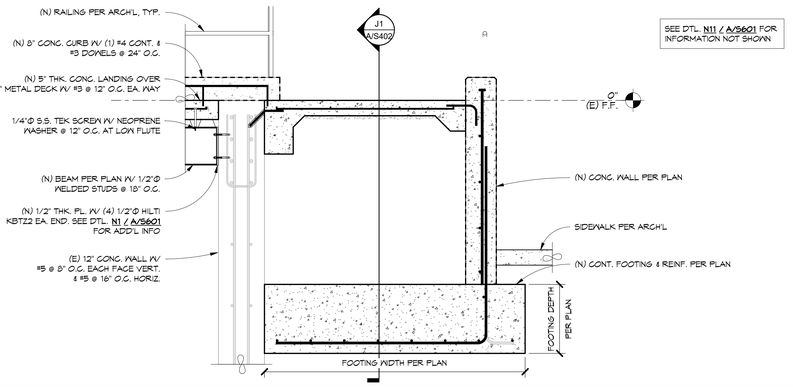


A4	DETAIL
A/S601 | A/S601	1 1/2" = 1'-0"



A7	DETAIL
A/S404 | A/S601	1" = 1'-0"

E11	DETAIL
A/S404 | A/S601	3/4" = 1'-0"



A11	DETAIL
A/S403 | A/S601	3/4" = 1'-0"

BrooksRansom ASSOCIATES
749 N PALM AVE, STE 101 FRESNO, CA 93728
(559) 449-0444 OFFICE | (559) 449-0404 FAX
19707.01

REGISTERED PROFESSIONAL ENGINEER
DAYLOND R. RANSOM
NO. 52386
EXPIRES
3-31-23
STRUCTURAL
CALIFORNIA

Consultant

BOARD ROOM REMODEL
Fresno Unified School District
Fresno, CA

Project

DETAILS

Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT
ANTONIO J. AVILA
No. C26235
EXP. 10-31-23
STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: ER	Copyright	Darden Architects
Scale: As indicated	Drawn By: ER		
Project Number:XXXXX	Checked By: AL		
Date: 2022-02-25	Reviewed By: AL		

A/S601

2/25/2022 11:59:42 AM
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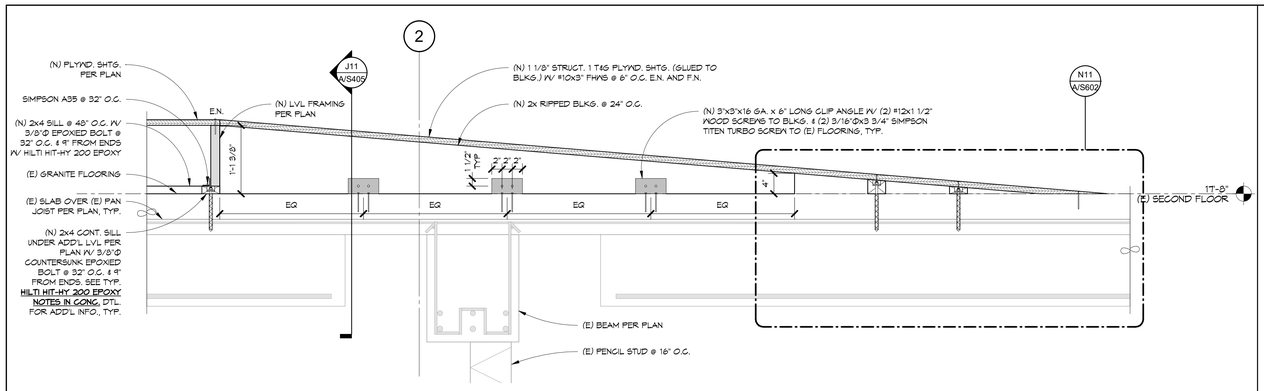
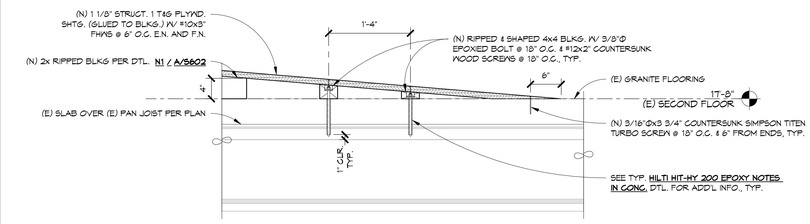
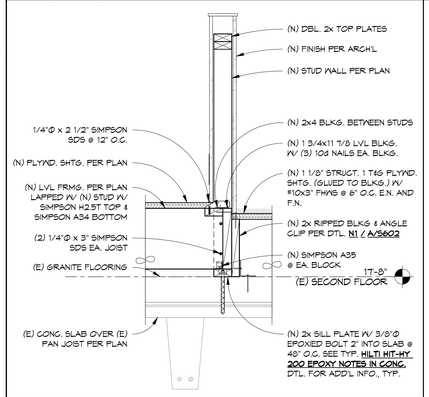
N1 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



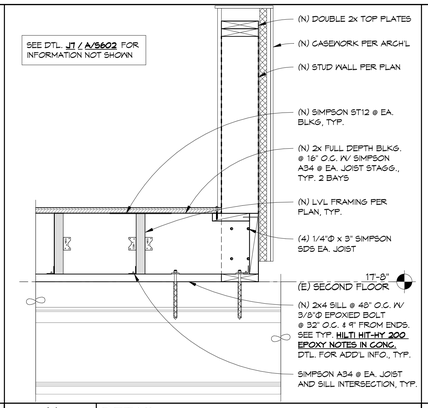
N11 DETAIL
A/S602 | A/S602 | 1" = 1'-0"



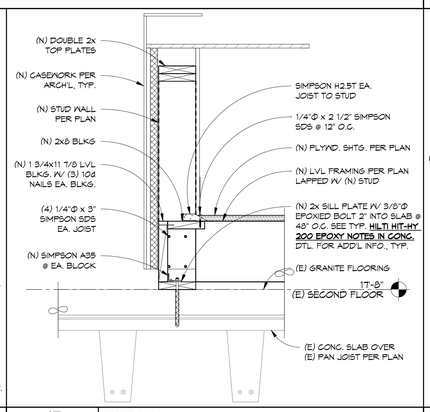
J1 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



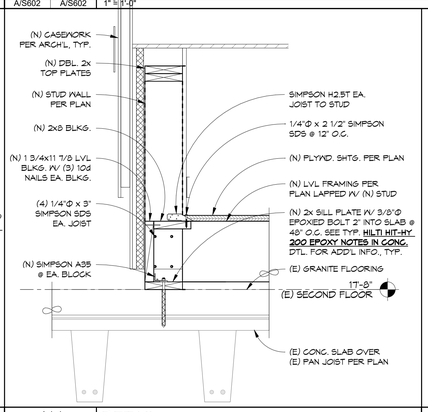
J4 DETAIL
A/S405 | A/S602 | 1" = 1'-0"



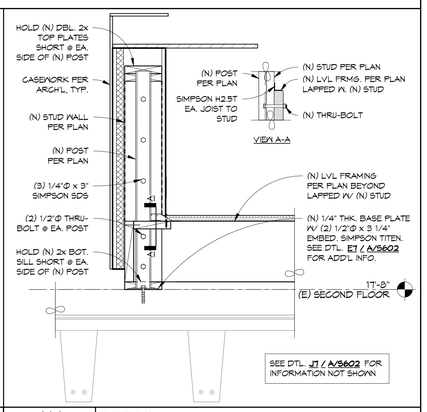
J7 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



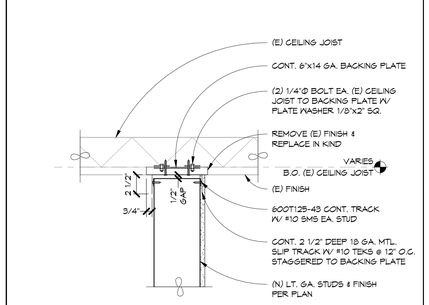
J11 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



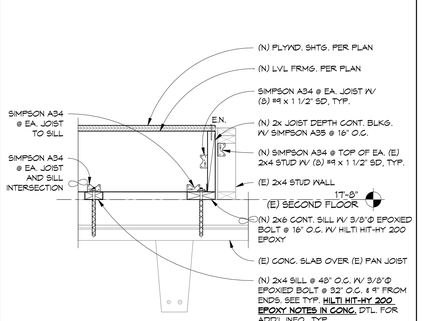
J14 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



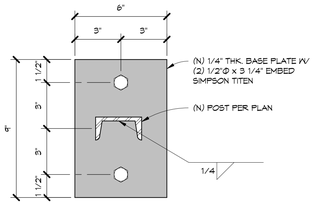
J1 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



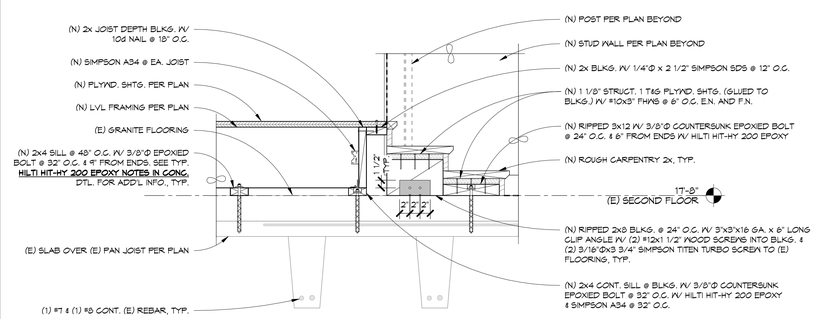
J4 DETAIL
A/S405 | A/S602 | 1" = 1'-0"



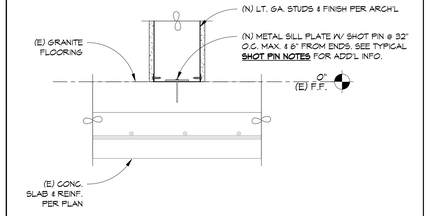
J7 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



J11 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



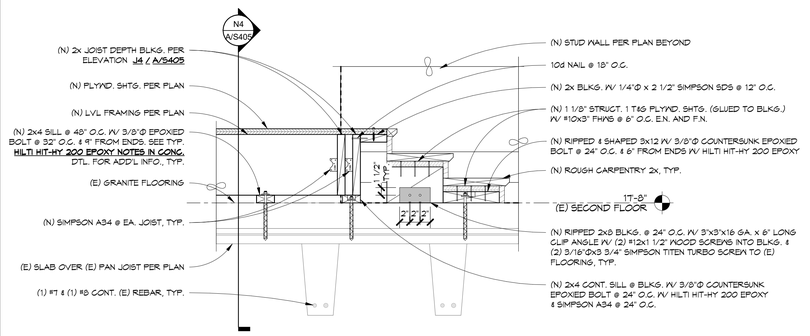
E1 DETAIL
A/S301 | A/S602 | 1 1/2" = 1'-0"



E4 DETAIL
A/S302 | A/S602 | 1" = 1'-0"

E7 DETAIL
A/S602 | 3" = 1'-0"

E11 DETAIL
A/S302 | A/S602 | 1" = 1'-0"



A1 DETAIL
A/S301 | A/S602 | 1 1/2" = 1'-0"

A11 DETAIL
A/S302 | A/S602 | 1" = 1'-0"

BrooksRansom ASSOCIATES
7495 N. PALM AVE. STE 100 | FRESNO, CA 93711
(559) 449-9444 OFFICE (559) 449-9454 FAX
19707.01

REGISTERED PROFESSIONAL ENGINEER
GAYLORD R. RANSOM JR.
No. S23365
EXPIRES 1-31-25
CIVIL
STATE OF CALIFORNIA

Consultant

BOARD ROOM REMODEL
Fresno Unified School District
Fresno, CA

Project

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darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT
ANTONIO J. AVILA
No. C26235
Exp. 10-31-25
STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: ER	Copyright	Darden Architects
Scale: As indicated	Drawn By: ER		A/S602
Project Number: XXXXX	Checked By: AL		
Date: 2022-02-25	Reviewed By: AL		

2/25/2022 11:59:45 AM
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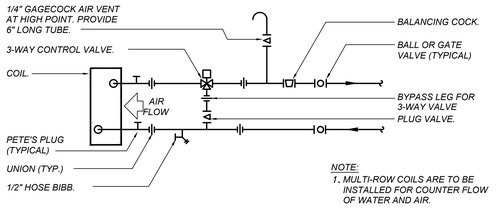
AIR HANDLER SCHEDULE		
DESIGNATION		AH-1
SUPPLY FAN (PER FAN)	QUANITY	1
	SUPPLY AIR FLOW (CFM)	11,000
	TOTAL SP / ESP (IN. WC)	2.57/1.57
	MIN. O.S.A. (CFM)	-
	HP/BRAKE HP	15/12.89
	VOLTS/PHASE	230/3
	FLA (AMPS)	36
	FAN TYPE/CLASS	FWD CURVED/1
	ISOLATOR DFLEC (IN.)	1
COOLING COIL	SENSIBLE (MBH)	292.4
	TOTAL (MBH)	325.5
	COIL SIZE (FT.²)	29.2
	ROWS / FINS PER INCH	4/12
	AIR PD (IN. WC)	0.32
	EADB/EAWB (°F)	80/64
	GPM/PD (FT.)	65.1/3.8
	EWT (°F)	45
	BRANCH SIZE (IN.)	2.5
	VALVE TYPE	3
HEATING COIL	CAPACITY (MBH)	563.8
	COIL SIZE (FT.²)	29.2
	ROWS / FINS PER IN.	1/12
	AIR PD (IN. WC)	0.07
	EWT /EAT (°F)	160/135.3
	GPM/PD (FT.)	45.7/5
	BRANCH SIZE	2
	VALVE TYPE	3
FILTER		
	TYPE	PLEATED
	EFFICIENCY	13.0
MANUFACTURER		DAIKIN
TYPE		VERTICAL
MODEL NUMBER		LAH030A
LOCATION		SEE PLANS
OPER. WT (LBS)		2,000
ACCESSORIES		1, 2

1. BACnet CARD
2. SEE DETAIL H/X/M101 FOR CONTROL DIAGRAM.

BOX SELECTION					
VARIABLE VOLUME BOX W/ HEATING COIL SCHEDULE					
DESIGNATION	VVH-1	VVH-2	VVH-3	VVH-4	VVH-5
CFM (MAX / MIN) (1)	800 / 90	1000 / 120	800 / 90	2700 / 300	650 / 70
INLET PRESS. (IN. W.C.)	1.00	1.00	1.00	1.00	1.00
INTERNAL P.D. (IN. W.C.)	0.55	0.46	0.55	0.71	0.52
MAX NC	28	25	28	30	28
HEATING CAPACITY (MBH)	22.5	33.5	22.5	76.2	20.7
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
TYPE	DESV	DESV	DESV	DESV	DESV
MODEL (2)	8	9	8	14	7
SERVICE	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN
OPER. WT. (LBS)	45	50	45	60	45
ACCESSORIES	SEE SPECS	SEE SPECS	SEE SPECS	SEE SPECS	SEE SPECS

(1) : MAXIMUM AIRFLOW FOR VVH BOX SHOWN. SEE PLAN FOR ACTUAL MAX. / MIN. AIRFLOWS.
(2) : INLET DUCT SIZE MATCHES MODEL NO.

GRILLE SCHEDULE		
MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TITUS TDC (TYPE 3) LOUVER FACE SQUARE OR RECTANGULAR NECK DIFFUSER FOR STD. LAY-IN CEILING, AND NO. 26 OFF-WHITE FINISH. (18"X18" NECK ADAPTER SIZE SHOWN).
B	CEILING RETURN OR EXHAUST	TITUS CORE 50F (TYPE 3) ALUMINUM EGG CRATE REGISTER WITH 1/2" x 1/2" GRID, FOR LAY-IN CEILING, AND NO. 26 OFF-WHITE FINISH.
C	CEILING SUPPLY	TITUS TDC (TYPE 1) LOUVER FACE SQUARE OR RECTANGULAR NECK DIFFUSER FOR SURFACE MOUNTING, AND NO. 26 OFF-WHITE FINISH.
D	CEILING RETURN OR EXHAUST	TITUS CORE 50F (TYPE 1) ALUMINUM EGG CRATE REGISTER WITH 1/2" x 1/2" GRID, FOR SURFACE MOUNTING WITH NO. 26 OFF-WHITE FINISH.
E	WALL RETURN	TITUS CORE 25RL (TYPE 1) STEEL RETURN REGISTER, , AND NO. 20 OFF-WHITE FINISH.
F	DUCT SUPPLY	TITUS MODEL S300 FL DIRECT SPRIAL DUCT MOUNTED FRONT 3/4" LOUVER SPACING, L 3/8" WIDE FRAME, AND NO. 26 WHITE FINISH. CONTOUR TO MATCH OFF-WHITE FINISH.
G	WALL SUPPLY	TITUS MODEL 1707 REGISTER WITH REMOVABLE CORE, O.B.D., 5 DEGREE UPWARD DEFLECTION, AND NO. 26 OFF-WHITE FINISH.
H	WALL RETURN	TITUS CORE 13RL STEEL RETURN GRILLE, AND NO. 26 OFF-WHITE FINISH.



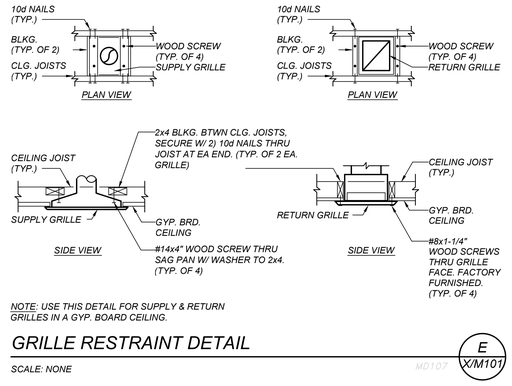
NOTE:
1. MULTI-ROW COILS ARE TO BE INSTALLED FOR COUNTER FLOW OF WATER AND AIR.

3 WAY COOLING COIL PIPING DETAIL

SCALE: NONE

MP003

J X/M101



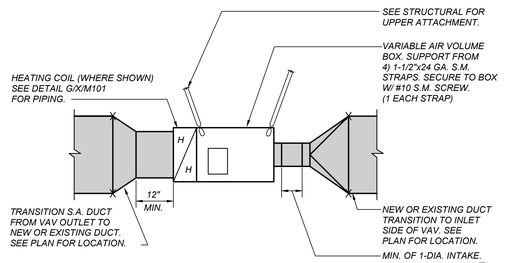
NOTE: USE THIS DETAIL FOR SUPPLY & RETURN GRILLES IN A GYP. BOARD CEILING.

GRILLE RESTRAINT DETAIL

SCALE: NONE

MD107

E X/M101

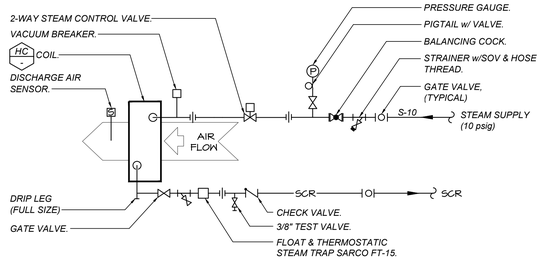


VAV/VVH BOX MOUNTING DETAIL

SCALE: NONE

MM090

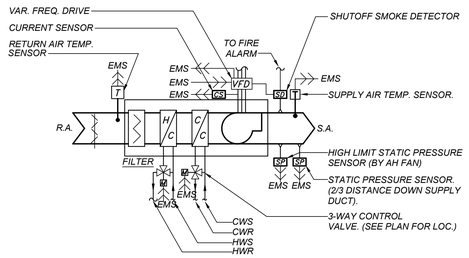
F X/M101



STEAM COIL PIPING DETAIL

SCALE: NONE

G X/M101

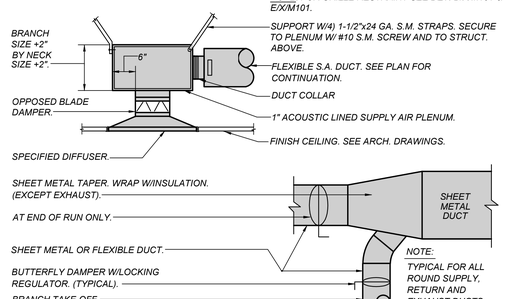


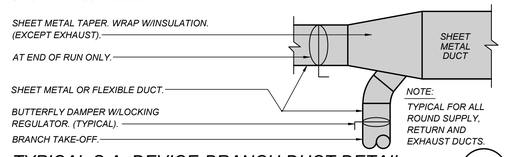
AIR HANDLER DIAGRAM

SCALE: NONE

MC053

H X/M101



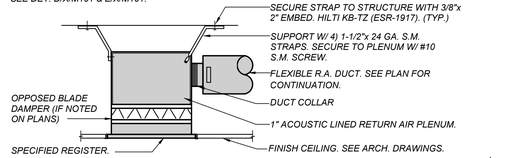


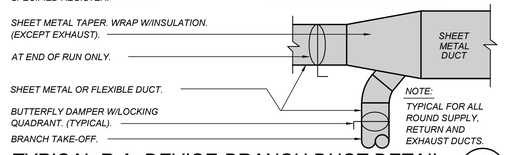
TYPICAL S.A. DEVICE-BRANCH DUCT DETAIL

SCALE: NONE

MD001

A X/M101



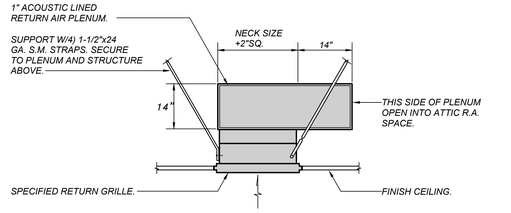


TYPICAL R.A. DEVICE-BRANCH DUCT DETAIL

SCALE: NONE

MD073

B X/M101

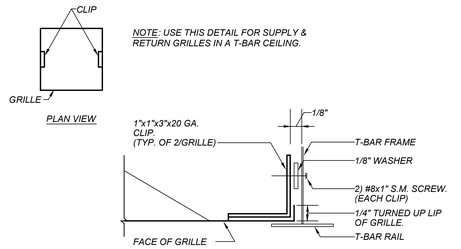


RETURN AIR GRILLE DETAIL

SCALE: NONE

MD011

C X/M101



GRILLE RESTRAINT DETAIL

SCALE: NONE

MD090

D X/M101

Agency Approval

AIR CONDITIONING LEGEND		
SYMBOL	ITEM	ABBR
	ROUND DUCT	Ø
	FLAT OVAL DUCT	
	SHEET METAL DUCT	—
	ACOUSTIC LINING FOR DUCT OR GRILLES	(L)
	DUCT W/EXT INSULATION & GALV. SM SUNSHIELD	—
	SUPPLY AIR DUCT DROP	—
	RETURN AIR DUCT DROP	—
	EXHAUST DUCT AIR DROP	—
	SUPPLY AIR DUCT RISE	—
	RETURN AIR DUCT RISE	—
	EXHAUST AIR DUCT RISE	—
	TURNING VANES	TV
	EXTRACTOR	—
	VOLUME CONTROL DAMPER W/LOCKING QUADRANT	VCD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
	VOLUME CONTROL DAMPER W/ REMOTE REGULATOR	VCR
& ■	FIRE/SMOKE DAMPER WITH ACCESS PANEL	F/SD
& ▲	FIRE DAMPER WITH ACCESS PANEL	FD
CFM	CUBIC FEET OF AIR PER MINUTE	CFM
M	EMS MOTORIZED DUCT DAMPER/PIPE VALVE ACTUATOR	—
T	EMS TEMPERATURE SENSOR @ +4'-0" TOP OF BOX	—
SP	EMS STATIC PRESSURE SENSOR	SP
DP	EMS DIFFERENTIAL PRESSURE SENSOR	DP
CS	EMS CURRENT SENSOR	CS
	DIRECTION OF FLOW	—
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	PIPE/DUCT TURN DOWN	—
	PIPE/DUCT TURN UP	—
	POINT OF CONNECTION	POC
	EXISTING (DESIGNATED)	(E)
	NEW (DESIGNATED)	(N)
SD	DUCT SMOKE DETECTOR	SD
—	ABOVE GRADE	AG
—	BELOW GRADE	BG
—RD—	REFRIGERANT DISCHARGE	RD
—RL—	REFRIGERANT LIQUID	RL
—RS—	REFRIGERANT SUCTION	RS
—EMS—	ENERGY MANAGEMENT SYSTEM CABLE IN CONDUIT	EMS
—DCW—	DOMESTIC COLD WATER	DCW
—IOI—	BALL VALVE	—

General Notes

LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 (559) 431-0101 22005 Fresno, CA 93720 FAX (559) 431-1342
REGISTERED PROFESSIONAL ENGINEER ERIK W. CARLSON M34846 exp. 6-30-22 MECHANICAL STATE OF CALIFORNIA
Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

MECHANICAL DETAILS, SCHEDULES, & LEGENDS

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
LICENSED ARCHITECT ARISTID J. APITZ No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

	Designed By: EF	Copyright 2022 Darden Architects
Scale: AS NOTED	Drawn By: LEG	
Project Number: 1947.IDA	Checked By: EF	X/M101
Date: 2/1/2022	Reviewed By: RC	

1/19/2022 2:26:35 PM
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STATE OF CALIFORNIA
Mechanical Systems
NRCC-MCH-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	FUSD District Office Remodel	Report Page:	(Page 3 of 9)
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H. FAN SYSTEMS & AIR ECONOMIZERS

This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e) and §140.4(m) for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name:	AHU-1	Economizer:[1]	Differential Temperature	Economizer Controls:	Designed per §140.4(e) and (m)	System Fan Type:	Variable Air Volume

01	02	03	04	05	06	07	08
Fan Name or Item Tag	Fan Function	Qty	Maximum Design Supply Airflow (CFM)	HP Unit[2]	Design HP	Fan Power Pressure Drop Adjustment - Table 140.4-B	
						Device	Design Airflow through Device (CFM)
SF	Supply	1	11000	BHP	11.4		
Total System Design Supply Airflow (CFM):			11000	Total System Design (BHP):	11.4	Maximum System Fan Power (BJHP):	14.3

[1] *FOOTNOTES: Computer room economizers must meet requirements of §140.9(c) and will be documented on the NRCC-PRC-E document.*
[2] *The unit used for HP must be consistent for all fans within a system.*

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in §110.2 and §120.2 and prescriptive controls in §140.4(f) and (n) or requirements in §141.0(b)2E for altered space conditioning systems.

01	02	03	04	05	06	07	08	09
System Name	System Zoning	Conditioned Floor Area Being Served (ft²)	Thermostats §110.2(b) & (c)[1], §120.2(a)or §141.0(b)2E	Shut-Off Controls §120.2(e)	Isolation Zone Controls §120.2(e)	Demand Response §110.12 and §120.2(b)	Supply Air Temp. Reset §140.4(f)	Window Interlocks per §140.4(n)
AHU-1	Single zone	<= 25,000 ft²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	NA: Serves humidity sensitive process	Provided

[1] *FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.*
*Notes: Controls with a * require a note in the space below explaining how compliance is achieved. EX: system 1: SA Temp Reset: Exempt because zones compliant with §140.4(d) ; EXCEPTION 2 to §140.4(f)*

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Mechanical Systems
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K. TERMINAL BOX CONTROLS

This table is used to demonstrate compliance with prescriptive zone control requirements in §140.4(d).

01	02	03	04	05	06	07	08	09	10	11	12
		Design			Deadband Compliance			Reheated, Recooled, Mixed Air Compliance			
Zone/System/VAV Box Name or Item Tag	Zonal Control Strategy per §140.4(d)	Peak Primary Airflow CFM	Primary Air in Deadband CFM	Reheated Recooled Mixed Airflow CFM	Outside Air CFM	20% (30% if no DDC) of Peak Primary Airflow CFM	Max Deadband Airflow CFM	50% of Peak Primary Airflow	1st Stage Modulates <=95 °F and Maintains DB Rate?	2nd Stage Modulates from DB Flow to Heating Max Flow?	Complies
VVH-1	NA: Peak SA <= 300 CFM	0	0	0	644	0	645	0	Yes	Yes	Yes
VVH-2	NA: Peak SA <= 300 CFM	0	0	0	522	0	523	0	Yes	Yes	Yes
VVH-3	NA: Peak SA <= 300 CFM	0	0	0	354	0	355	0	Yes	Yes	Yes
VVH-4	NA: Peak SA <= 300 CFM	0	0	0	600.6	0	601.6	0	Yes	Yes	Yes
VVH-5	NA: Peak SA <= 300 CFM	0	0	0	800.7	0	801.7	0	Yes	Yes	Yes

L. DISTRIBUTION (DUCTWORK and PIPING)

This table is used to show compliance with mandatory pipe insulation requirements found in §120.3 and prescriptive requirements found in §140.4(l) for duct leakage testing.

Duct Leakage Sealing

The answers to the questions below apply to the following duct systems: AHU-1 — Duct leakage testing triggered for these systems? No

11	No	The scope of the project includes only duct systems serving healthcare facilities
12	Yes	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.
13	Yes	The space conditioning system serves less than 5,000 ft² of conditioned floor area.
14	No	The combined surface area of the ducts in the following locations is more than 25% of the total surface area of the entire duct system:
	☐	Outdoors
	☐	In a space directly under a roof that has a U-factor greater than the u-factor of the ceiling, or if the roof does not meet the requirements of §140.3(a)1B or if the roof has fixed vents or openings to the outside/ unconditioned spaces
	☐	In an unconditioned crawl space

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STATE OF CALIFORNIA
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O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Form/Title	Systems/Spaces To Be Field Verified	Field Inspector	
		Pass	Fail
NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.	Daikin - LAH030A;	☐	☐
NRCA-MCH-05-A - Air Economizer Controls	Daikin - LAH030A;	☐	☐
NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO_2) concentration setpoints.	Daikin - LAH030A;	☐	☐
NRCA-MCH-07-A Supply Fan Variable Flow Controls	Daikin - LAH030A;	☐	☐
NRCA-MCH-11-A Automatic Demand Shed Controls	Daikin - LAH030A;	☐	☐
NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance	Daikin - LAH030A;	☐	☐
NRCA-MCH-18-A Energy Management Control Systems	Daikin - LAH030A;	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01	02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	Yes	M-Sheets

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Mechanical Systems
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C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01		02		03		04		05		06		07		08		09
System Summary §110.1, §110.2, §140.4	AND	Pumps §140.4(k)	AND	Fans/ Economizers §140.4(c), §140.4(e)	AND	System Controls §110.2, §120.2, §140.4(f)	AND	Ventilation §120.1	AND	Terminal Box Controls §140.4(d)	AND	Distribution §120.3, §140.4(l)	AND	Cooling Towers §110.2(e)2		Compliance Results
[See Table F]		[See Table G]		[See Table H]		[See Table I]		[See Table J]		[See Table K]		[See Table L]		[See Table M]		
	AND		AND	Yes	AND	Yes	AND	Yes	AND	Yes	AND	Yes	AND			COMPLIES
Mandatory Measures 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. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

This section does not apply to this project.

G. PUMPS

This section does not apply to this project.

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J. VENTILATION AND INDOOR AIR QUALITY

VVH-4	Main Entry Lobby	1001			500.5	0	0	DCV	Provided per §120.1(d)4
								Occ Sensor	NA: Not required space type
VVH-5	Office space	1387			208	0	0	DCV	NA: Not required per §120.1(d)3
								Occ Sensor	NA: Not required space type
17	Total System Required Min OA CFM				1089	0	18	Ventilation for this System Complies?	Yes

[1] *FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system*
[2] *Air filtration requirements apply to the following three system types per §120.1(c)1A : space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.*
[3] *Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.*
[4] *See Standards Tables 120.1-A and 120.1-B.*
[5] *For lecture halls with fixed seating, the expected number of occupants shall be shall be determined in accordance with the California Building Code.*
[6] *§120.2(e)1 requires systems serving rooms that are required by §130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft² or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by §130.1(c).*

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STATE OF CALIFORNIA
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L. DISTRIBUTION (DUCTWORK and PIPING)

	☐	In other unconditioned spaces
15		The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.
16		The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.
17	Yes	Duct system shall be sealed in acordance with the California Mechanical Code

M. COOLING TOWERS

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title	Field Inspector	
	Pass	Fail
NRCI-MCH-01-E - Must be submitted for all buildings	☐	☐

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft
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STATE OF CALIFORNIA
Mechanical Systems
NRCC-MCH-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	FUSD District Office Remodel	Report Page:	(Page 1 of 9)
Project Address:	2309 Tulare St	Date Prepared:	3/1/2022

This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations.

A. GENERAL INFORMATION

01	Project Location (city)	Fresno	04	Total Conditioned Floor Area	4170
02	Climate Zone	13	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1
☒	Office (B)	☐ Retail (M)		☐ Non-refrigerated Warehouse (S)	
☐	Hotel/ Motel Guest Rooms (R-1)	☐ School (E)		☐ Healthcare Facility (I)	
☐	High-Rise Residential (R-2/R-3)	☐ Relocatable Class Bldg (E)		☒ Other (write in)	See Table J

B. PROJECT SCOPE

This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations.

01		02		03	
Air System(s)		Wet System Components		Dry System Components	
☐	Heating Air System	☐	Water Economizer	☒	Air Economizer
☐	Cooling Air System	☐	Pumps	☐	Electric Resistance Heat
Mechanical Controls		☐	System Piping	☒	Fan Systems
☒	Mechanical Controls (existing to remain, altered or new)	☐	Cooling Towers	☒	Ductwork (existing to remain, altered or new)
		☐	Chillers	☒	Ventilation
		☐	Boilers	☒	Zonal Systems/ Terminal Boxes

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STATE OF CALIFORNIA
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J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 and §120.2(e)3B for all nonresidential, high-rise residential and hotel/motel occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☒	Check this box if the project included Nonresidential or Hotel/Motel spaces
03	☐	Check this box if the project included new or altered high-rise residential dwelling units.

Nonresidential and Hotel/ Motel Ventilation Systems

04		05			06			07	
System Name	AHU-1	System Design OA CFM Airflow[1]		2921	System Design Transfer Air CFM		0	Air Filtration per §120.1(c) and §141.0(b)2 [2]	
								Provided per §120.1(c) (NR and Hotel/Motel))	
08	09	10	11	12	13	14	15	16	
Space Name ot Item Tag	Mechanical Ventilation Required per §120.1(c)3 [3]					Exh. Vent per §120.1(c)4		DCV or Sensor Controls per §120.1(d)3, §120.1(d)5, and §120.1(e)3 [6]	
	Occupancy Type[4]	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people[5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM		
VVH-1	Conference/ meeting	322			161	0	0	DCV	Provided per §120.1(d)4
								Occ Sensor	NA: Not required space type
VVH-2	Office space	870			130.5	0	0	DCV	NA: Not required per §120.1(d)3
								Occ Sensor	NA: Not required space type
VVH-3	Office space	590			88.5	0	0	DCV	NA: Not required per §120.1(d)3
								Occ Sensor	NA: Not required space type

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STATE OF CALIFORNIA
Mechanical Systems
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Project Address:	2309 Tulare St	Date Prepared:	3/1/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Abel Lopez	Documentation Author Signature: Abel Lopez
Company: Lawrence Engineering Group	Signature Date: 2022-03-01
Address: 7084 N Maple Avenue Suite 101	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Fresno CA 93720	Phone: 559-431-0101

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

Responsible Designer Name: Ryan W. Carlson	Responsible Designer Signature:
Company: Lawrence Engineering Group	Date Signed: 2022-03-01
Address: 7084 North Maple Avenue Suite 101	License: CA #M34846
City/State/Zip: Fresno CA 93720	Phone: 559-431-0101

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft
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BUILDING ENERGY ANALYSIS REPORT

PROJECT:
FUSD District Office Remodel
2309 Tulare St
Fresno , CA 93721

Project Designer:
Darden Architects
6790 N West Avenue
Fresno, CA 93711
559-448-8051

Report Prepared by:
Abel Lopez
Lawrence Engineering Group
7084 N Maple Avenue Suite 101
Fresno, CA 93720
559-431-0101

Job Number:
22005

Date:
3/1/2022

The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2019 Building Energy Efficiency Standards.
This program developed by EnergySoft Software – www.energysoft.com.

Agency Approval

GENERAL NOTES:

1. *LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE HVAC BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL DUCT AND PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.*
2. *PENETRATIONS OF PIPES, CONDUITS, ETC. IN WALLS OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED INCLUDING EXISTING PIPE AND CONDUIT THROUGH NEW WALLS AND FLOORS. SEE SPECIFICATIONS.*
3. *ALL PIPING, DUCTWORK AND CONDUIT REQUIRING SEISMIC BRACE AND SUPPORT SHALL BE SUPPORTED PER MASON INDUSTRIES, INC. "SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES", HCAI (OSHPD) PREAPPROVED ANCHORAGE OPM-0043-13 OR OTHER HCAI (OSHPD) PREAPPROVED SYSTEM.*
4. *WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE-OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.*
5. *DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE ACOUSTIC LINING IS SHOWN, INCREASE EACH SHEET METAL DIMENSION TO ACCOMMODATE LINING & MAINTAIN CLEAR INSIDE DUCT DIMENSIONS SHOWN.*
6. *[SA DUCTWORK FOR VAV SYSTEMS SHALL BE 2" PRESSURE CLASS UPSTREAM OF BOXES AND 1" DOWNSTREAM OF BOXES, AND]SA DUCTWORK SHALL BE 1" PRESSURE CLASS AND] RA & EA DUCTWORK SHALL BE 1" PRESSURE CLASS UNLESS OTHERWISE NOTED.*

General Notes

LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 (559) 431-0101 — 22005 — Fresno, CA 93720 FAX (559) 431-1362
REGISTERED PROFESSIONAL ENGINEER — RYAN W. CARLSON — M34846 — 6-30-22 — MECHANICAL — STATE OF CALIFORNIA

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

MECHANICAL T24 DOCUMENTS & GENERAL NOTES

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
LICENSED ARCHITECT — ANTONIO J. ANTUNEZ — No. C26235 — Exp. 10-31-23 — STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

Designed By: EF
Drawn By: LEG
Checked By: EF
Reviewed By: RC
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Scale: AS NOTED
Project Number: 1947.IDA
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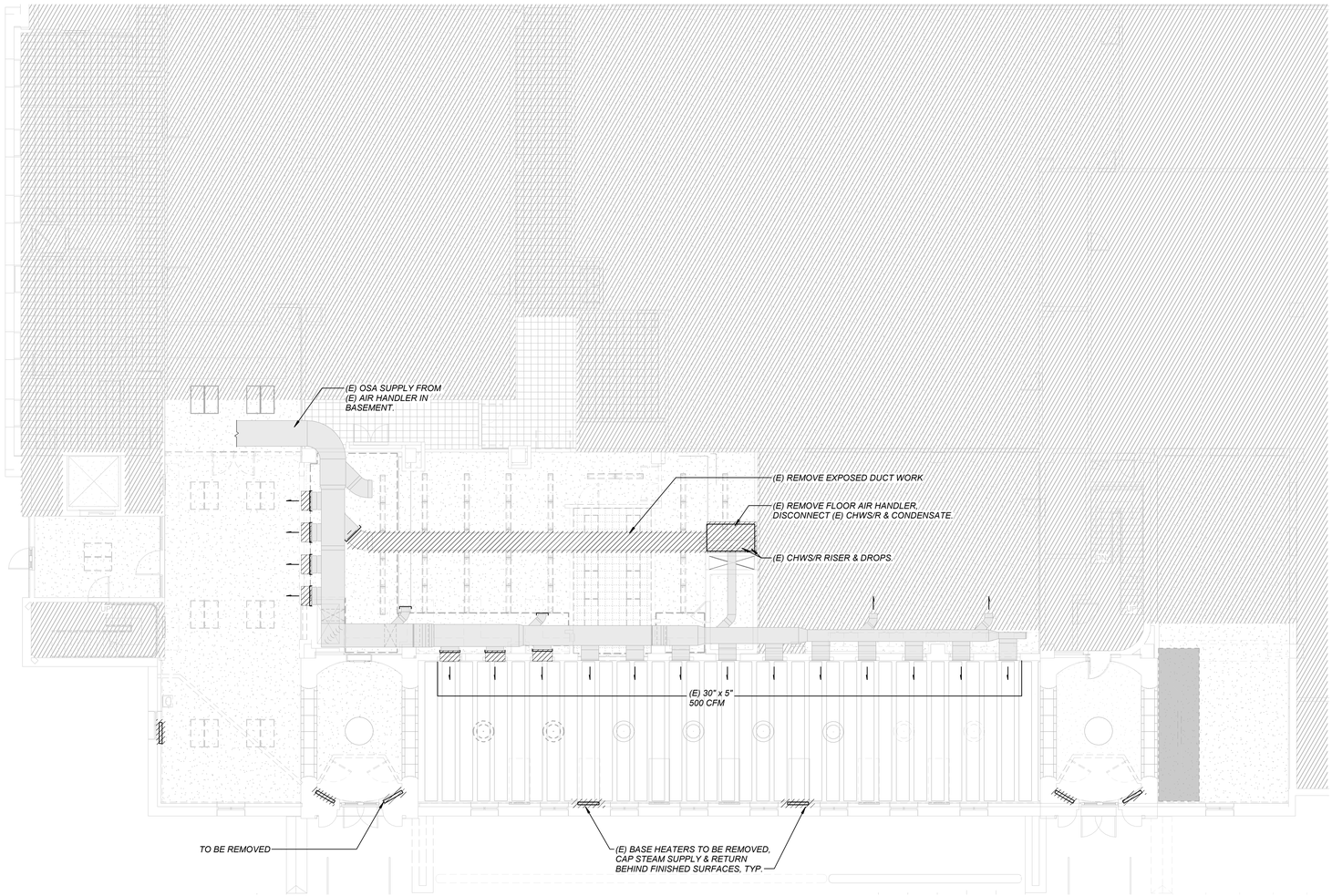

Agency Approval

General Notes

LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 Fresno, CA 93720
(559) 431-0101 22005 FAX (559) 431-1362
RYAN W. CARLSON M34846 REGISTERED PROFESSIONAL ENGINEER MECHANICAL STATE OF CALIFORNIA
Exp. 8-30-23

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

FIRST FLOOR MECHANICAL DEMOLITION PLAN

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LICENSED ARCHITECT ANTONIO J. AVILA No. C26235 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: EF	Copyright 2022 Darden Architects
Scale: 1/8" = 1'-0"	Drawn By: LEG	A/M101
Project Numbe1947.IDA	Checked By: EF	Sheet: ____ of: ____
Date: 2/1/2022	Reviewed By: RC	

A1
1/8" = 1'-0"

FIRST FLOOR MECHANICAL DEMOLITION PLAN

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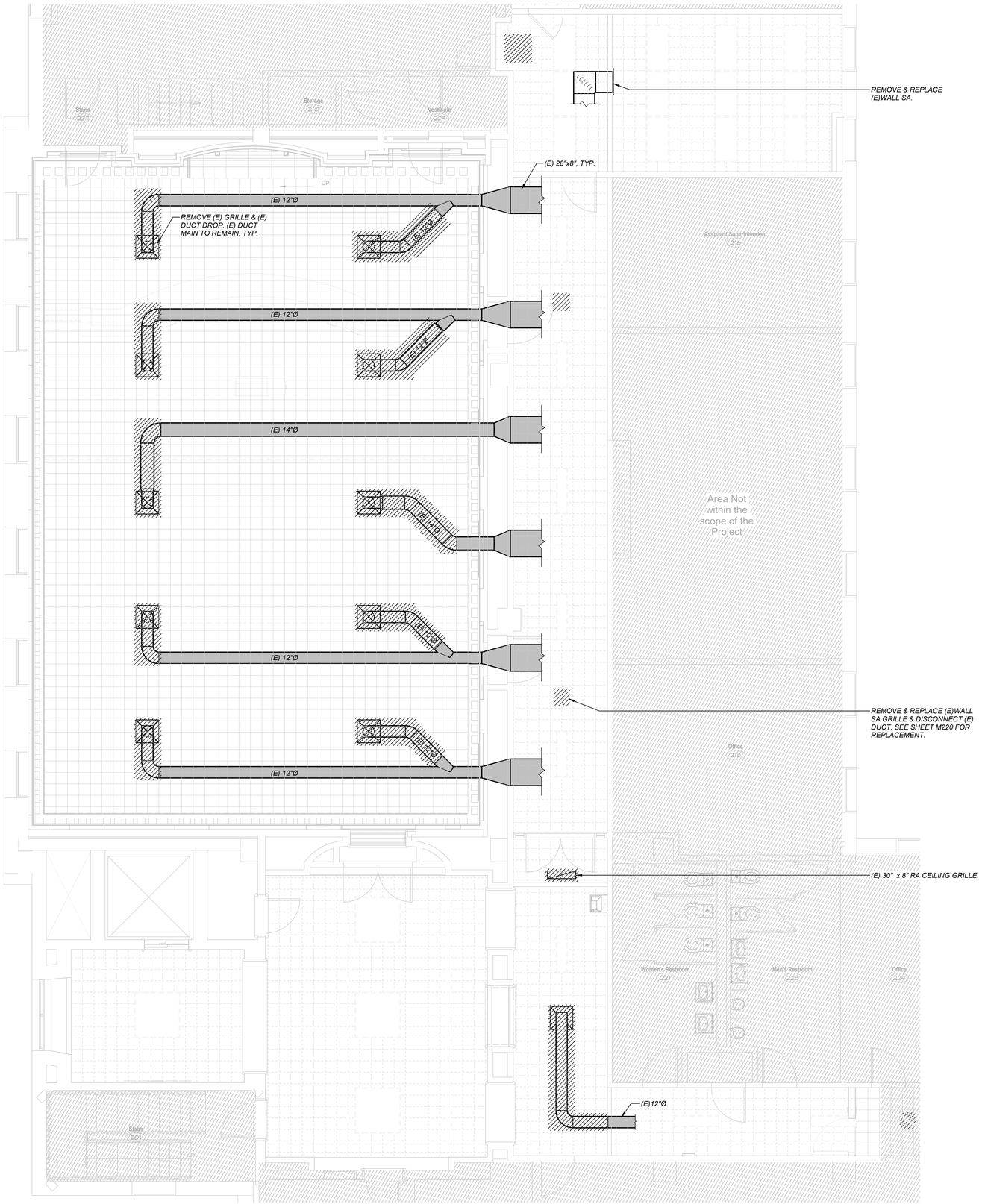

A1
1/4" = 1'-0"

SECOND FLOOR DEMOLITION PLAN

3/11/2022 10:05:34 AM
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General Notes

LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101
(559) 431-0101
22005
Fresno, CA 93720
FAX (559) 431-1342
RYAN W. CARLSON M34846 MECHANICAL STATE OF CALIFORNIA
Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

SECOND FLOOR MECHANICAL DEMOLITION PLAN
Drawing

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Architect

No.	Revision/Submission	Date

Revision

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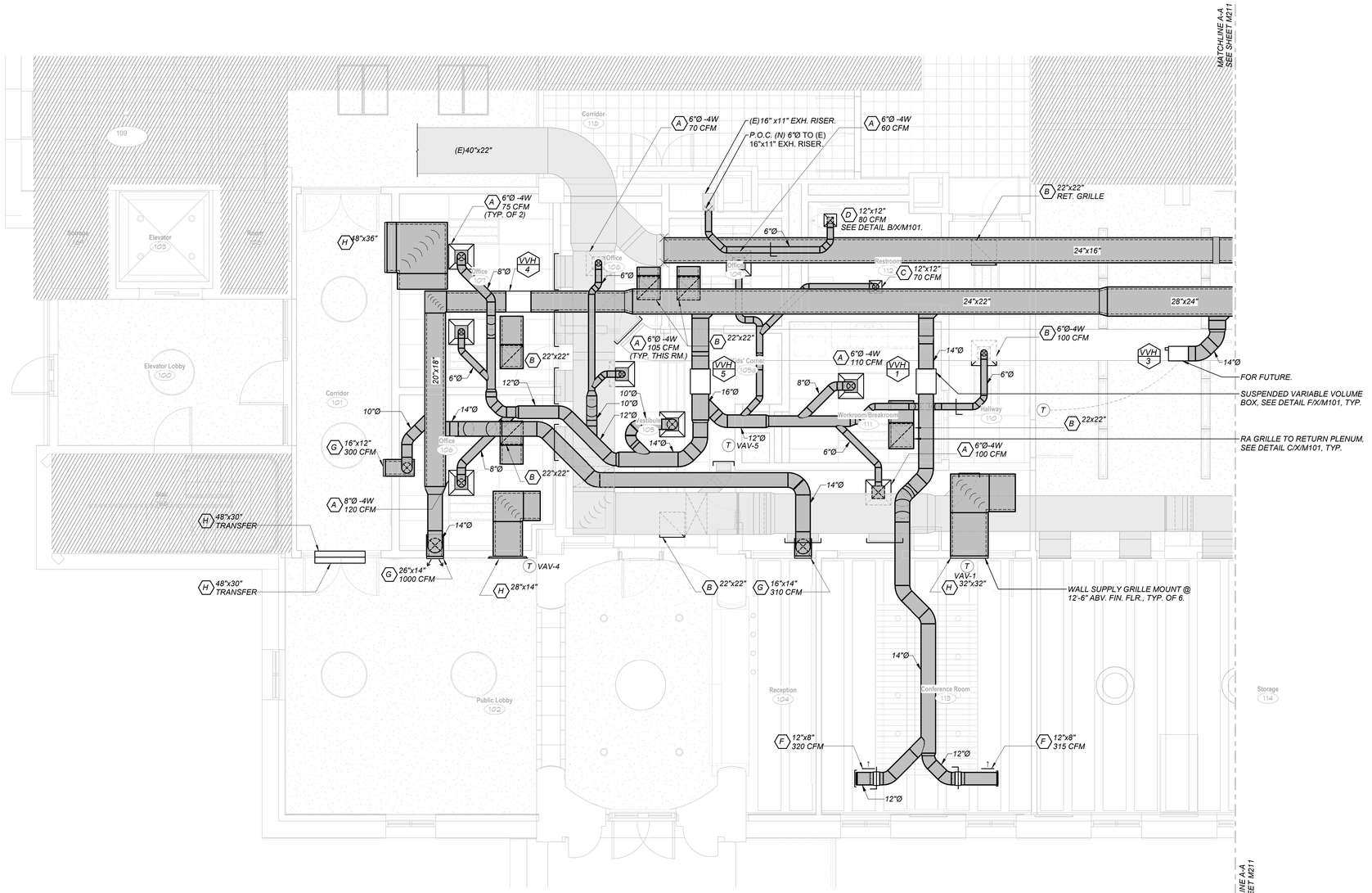
Scale: 1/4" = 1'-0"	Drawn By: LEG	A/M102
Project Numbe1947.IDA	Checked By: EF	
Date: 2/1/2022	Reviewed By: RC	Sheet: ____ of: ____



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LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 Fresno, CA 93720
(559) 431-0101 FAX (559) 431-1342
22005
REGISTERED PROFESSIONAL ENGINEER RYAN W. CARLSON M34846 EXP. 6-30-22 MECHANICAL STATE OF CALIFORNIA
Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

FIRST FLOOR MECHANICAL PLAN WEST
Drawing

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ARCHITECTURE PLANNING INTERIORS
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Architect

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Project Numbe1947.IDA	Checked By: EF	Sheet: _____ of: _____
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A1
1/4" = 1'-0"
FIRST FLOOR MECHANICAL PLAN WEST

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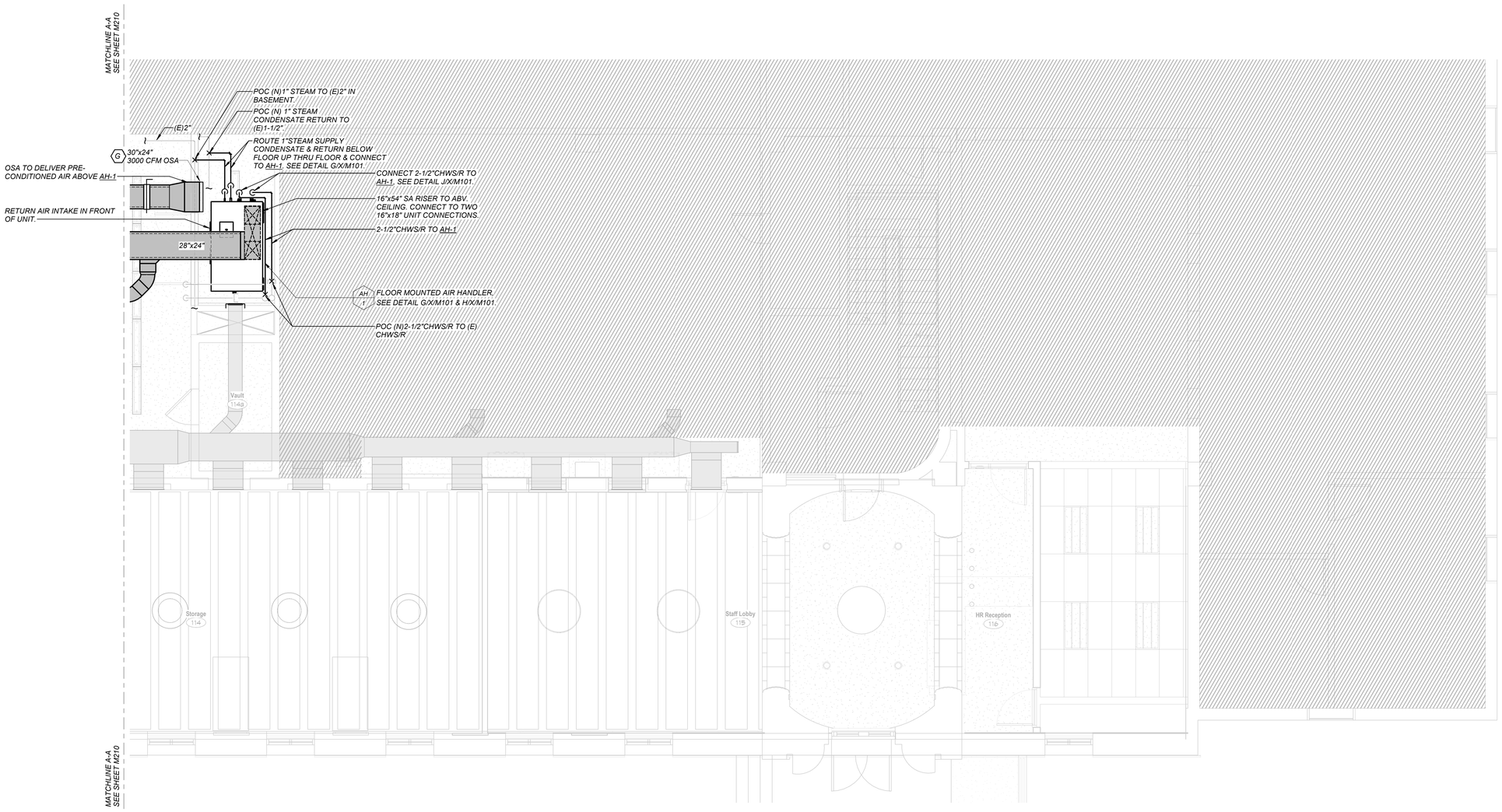

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General Notes

LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 Fresno, CA 93720
(559) 431-0101 22005 FAX (559) 431-1362
REGISTERED PROFESSIONAL ENGINEER RYAN W. CARLSON M34846 MECHANICAL STATE OF CALIFORNIA
Exp. 8-30-23

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

FIRST FLOOR MECHANICAL PLAN EAST

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Project Numbe1947.IDA	Checked By: EF	Sheet: ____ of: ____
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A1
1/4" = 1'-0"

FIRST FLOOR MECHANICAL PLAN EAST

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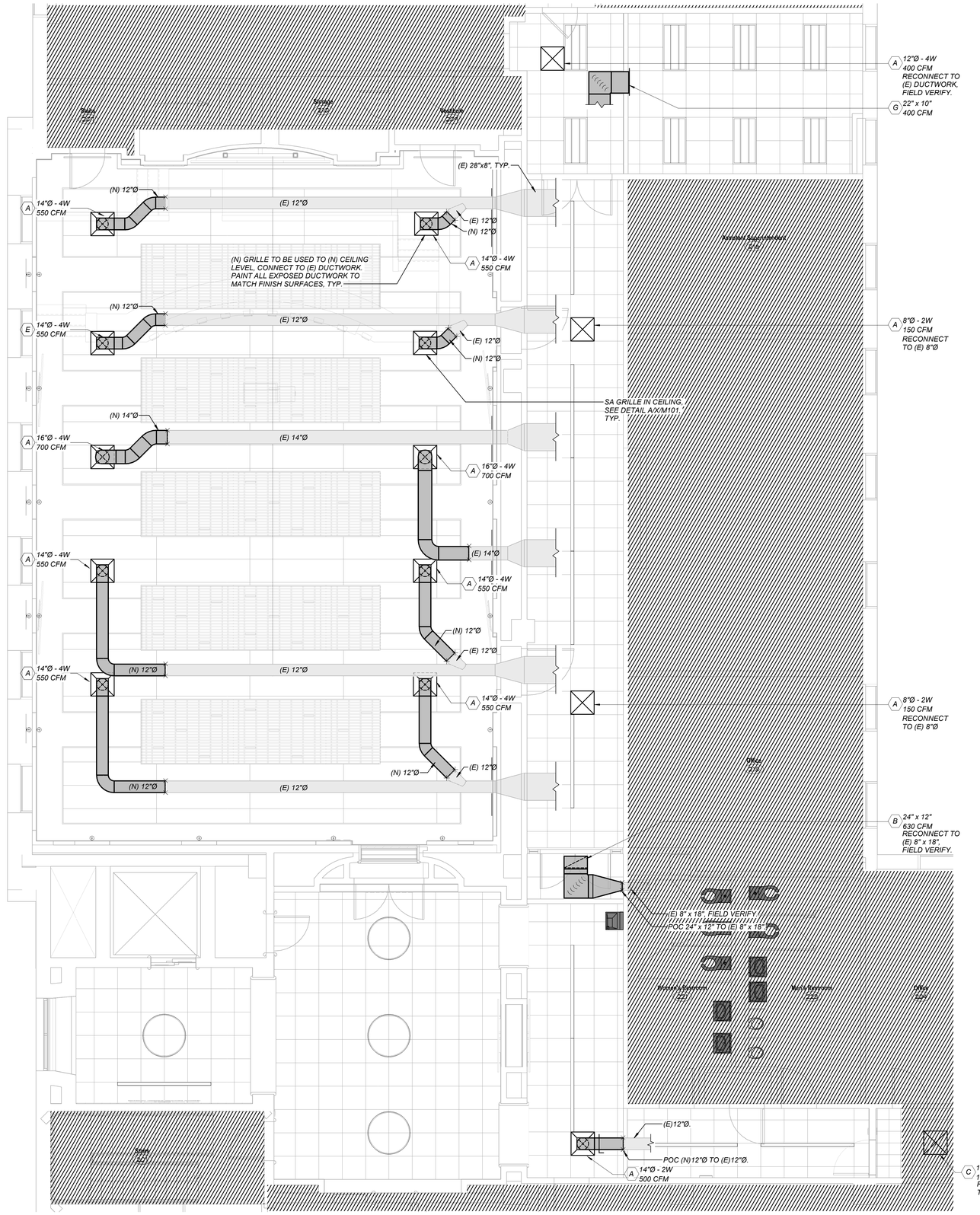

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LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101
(559) 431-0101
22005
Fresno, CA 93720
FAX (559) 431-1362
Consultant

REGISTERED PROFESSIONAL ENGINEER
RAY W. CARLSON
M34846
Exp. 9-30-23
MECHANICAL
STATE OF CALIFORNIA

Board Room Remodel
Fresno Unified School District
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SECOND FLOOR MECHANICAL PLAN
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LICENSED ARCHITECT
ANTONIO J. ANTUNEZ
No. C26235
Exp. 10-31-23
STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

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Drawn By: LEG
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Reviewed By: RC

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Date: 2/1/2022

A/M220
Sheet: _____ of: _____

A1
1/4" = 1'-0"
SECOND FLOOR MECHANICAL PLAN

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GENERAL PLUMBING NOTES:

1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE 2019 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WOULD NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUESTED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.

2. THE APPLICABLE CODES AND REGULATIONS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

   CALIFORNIA CODE OF REGULATIONS
   TITLE 8, INDUSTRIAL RELATIONS
   TITLE 19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
   TITLE 24, PART 1, ADMINISTRATIVE REGULATIONS
   2019 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR
   2019 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
   2019 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR
   2019 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR
   2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR

   NFPA 101 2018 EDITION
   OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT

3. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE PLUMBING BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.

4. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

5. MEP COMPONENT ANCHORAGE NOTE:

   ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

   1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

   2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.

   3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

   THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

   A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

   B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

   THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

6. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

   PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, 1617A.1.26.

   THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

   MP ☐ MD ☐ PP ☐ A. OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

   MP ☐ MD ☐ PP ☒ B. OPTION 2: PLUMBING PIPING (PP) - SHALL COMPLY WITH OPM-0043-13 OSHPD PRE-APPROVAL (MASON WEST, SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED DISTRIBUTION SYSTEMS).

   BRACE ALL PIPING 3" DIAMETER AND GREATER; USE Ip=1.0 FOR SEISMIC DESIGN CALCULATIONS. EXCEPTION: NATURAL GAS PIPING 1"DIAMETER AND GREATER, USE Ip=1.5 FOR SEISMIC DESIGN CALCULATIONS.

7. PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2019 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS.

8. FIELD VERIFY THE EXACT LOCATION, DEPTH AND SIZE OF ALL NEW POINTS OF CONNECTION TO EXISTING UTILITIES PRIOR TO COMMENCING NEW UTILITY WORK.

9. INSTALLATION OF NEW UTILITIES FROM EXISTING MAINS IN THE STREET SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.

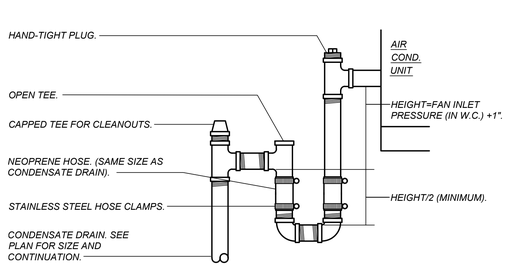
10. INSTALLATION, TYPE AND MANUFACTURERS MODELS OF DOMESTIC WATER METERS, BACKFLOW PREVENTERS, FIRE HYDRANTS, DETECTOR CHECK VALVES, MANHOLES, DRAIN INLETS/OUTLETS AND OTHER APPURTENANCE OF SITE UTILITY SYSTEMS SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.

11. CONTRACTOR SHALL EXCAVATE AND BACKFILL THE GAS SERVICE TRENCH FOR THE LOCAL GAS UTILITY. THE LOCAL GAS UTILITY SHALL INSTALL THEIR GAS SERVICE LINE TO THE GAS METER. TRENCHING SHALL BE IN ACCORDANCE WITH UTILITY STANDARDS. ALL CHARGES AND FEES INCURRED BY THE UTILITY FOR NEW GAS SERVICE SHALL BE PAID BY THE CONTRACTOR.

12. ALL DOMESTIC WATER PIPING SHALL BE A MINIMUM OF 1/2" SIZE UNLESS NOTED OTHERWISE. USE A REDUCING DROP ELL AT FIXTURE CONNECTION WHEN APPLICABLE.

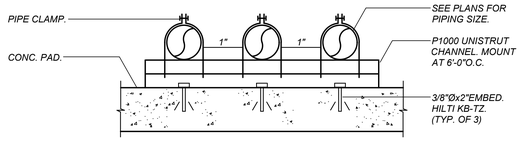
PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE	CONNECTION SIZES S or W	V	CW	HW	DESCRIPTION
WC-1	WATER CLOSET	4"	2"	1"	-	KOHLER ELONGATED FLOOR MOUNT, "HIGHCLIFF ULTRA" #K96057, 1.28 GPF. CHURCH #295SSC OPEN-FRONT WHITE SEAT WITH CHECK STAINLESS STEEL HINGE POSTS AND FASTENERS AND SELF-SUSTAINING HINGES, LESS COVER, BOLT CAPS. ZER 6000 - CP - TPO WITH TRAP PRIMER CONNECTION WHERE SHOWN ON DRAWINGS) METROFLUSH HIGH EFFICIENCY PISTON FLUSH VALVE WITH BATTERY OPERATED SENSOR FLUSH VALVE, 1.28 GALLONS/FLUSH. MOUNT FLUSH VALVE HANDLE ON WIDE SIDE OF STALL OR ROOM. CBC ACCESS COMPLIANT (+18" TO TOP OF SEAT)
SA-1	SHOCK ABSORBER	-	-	3/4"	-	JAY R. SMITH #5005, (OR ZURN EQUAL) STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "B" FOR UP TO 32 FIXTURES UNITS. INSTALL IN UPWARD POSITION.
L-1	LAVATORY	2"	1-1/2"	1/2"	1/2"	KOHLER UNDERMOUNT "VERTICYL RECTANGLE" #K-8189, (OR AMERICAN STANDARD OR ZURN EQUAL) ADA ACCESS COMPLIANT, 17-1/8"x 13-3/8"x7-3/16" RECTANGLE. CHINA WITH FAUCET HOLE AT CENTER. McGUIRE #155A GRID DRAIN, ZURN "CAMAYA SERIES" Z6953-XL-CV SENSOR OPERATED, MOTOR GEAR-DRIVEN CERAMIC OPERATION, ACA PLUG-IN POWER CONVERTER, 120V / 1a ELECTRIC POWERED FAUCET. STAY OPEN FOR 30 SECONDS AT 0.5 GPM.
S-1	SINK	2"	1-1/2"	1/2"	1/2"	KOHLER UNDER MOUNT "VAULT" #K-3984, (OR AMERICAN STANDARD OR ZURN EQUAL) ADA ACCESS COMPLIANT, 24"x18"x6" RECTANGLE. FAUCET HOLE AT CENTER. KOHLER "DUOSTRAINER" #K-8801 STRAINER, MOEN #7565E SERIES SENSOR OPERATED ACA PLUG-IN POWER CONVERTER, 120V/1Ø ELECTRIC POWERED FAUCET. STAY OPEN FOR 30 SECONDS AT 1.5 GPM.
TMV-1	THERMOSTATIC MIXING VALVE	-	-	1/2"	1/2"	POWERS #LFLM490CEMSOO (OR BRADLEY EQUAL) "HYDROGUARD" POLISHED CHROME LEAD FREE THERMOSTATIC MIXING VALVE WITH CHECK STOPS, BALL VALVE, DIAL THERMOMETER TO 108°F.
FD-1	FLOOR DRAIN	2"	1-1/2"	1/2"	-	JAY R. SMITH #2005Y02-P050 DUCO CAST IRON BODY WITH 5"SQUARE NICKEL BRONZE STRAINER AND 1/2" TRAP PRIMER CONNECTION.
SB-1	SUPPLY BOX	-	-	1/2"	-	SPECIALTY PRODUCTS #0B-509, METAL RECESSED REFRIGERATOR WATER SUPPLY BOX WITH WHITE FINISH, INTEGRAL SHUT-OFF VALVE AND MINI-WATER HAMMER ARRESTER.



CONDENSATE DRAIN CONNECTION DETAIL — A / X/P101

SCALE: NONE



PIPE SUPPORT ON GRADE DETAIL — B / X/P101

SCALE: NONE

	PLUMBING LEGEND	
SYMBOL	ITEM	ABBR
	SOIL or WASTE	S or W
	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER RETURN	HWR
—G—	LOW PRESSURE NATURAL GAS	G
—5#G—	5 PSI GAS	5#G
—GSM—	GAS SERVICE MAIN BY THE LOCAL GAS UTILITY	GSM
—C—	CONDENSATE DRAIN	CD
—RWL—	RAIN WATER LEADER	RWL
—OD—	OVERFLOW DRAIN	OD
—SD—	STORM DRAIN	SD
—IW—	INDIRECT WASTE	IW
—F—	FIRE PROTECTION LINE	F
	EXISTING PIPING	(E)
(E)	EXISTING	
(N)	NEW	
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
	DOWN	DN
	FLOOR CLEANOUT	FCO
	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
	PIPING TURN UP	
	PIPING TURN DOWN	
	POINT OF CONNECTION	P.O.C
	SHUT-OFF VALVE IN BOX	SOV
	SHUT-OFF VALVE	SOV
	SHUT-OFF VALVE IN RISER	-
	SHUT-OFF VALVE IN DROP	-
	GATE VALVE	-
	BUTTERFLY VALVE	-
	GLOBE VALVE	-
	CHECK VALVE	-
	PLUG VALVE	-
	BALL VALVE	-
	BALANCE COCK	-
	REDUCER	-
	MANHOLE	MH
	FLOW LINE	FL
	UNION	-
	RELIEF VALVE	-
	BALANCING VALVE	-
	PRESSURE GAUGE	-
	THERMOMETER	-

Agency Approval

General Notes

LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 (559) 431-0101 22005 Fresno, CA 93720 FAX (559) 431-1362
REGISTERED PROFESSIONAL ENGINEER RYAN W. CARLSON M34846 Exp. 6-30-22 MECHANICAL STATE OF CALIFORNIA

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

DETAILS & SCHEDULES

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
LICENSED ARCHITECT ANTONIO J. ARIAS No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

	Designed By: AK	Copyright 2022 Darden Architects
Scale: As Indicated	Drawn By: LEG	X/P101
Project Number: 1947.IDA	Checked By: AK	
Date: 2/1/2022	Reviewed By: RC	

1/19/2022 2:26:35 PM
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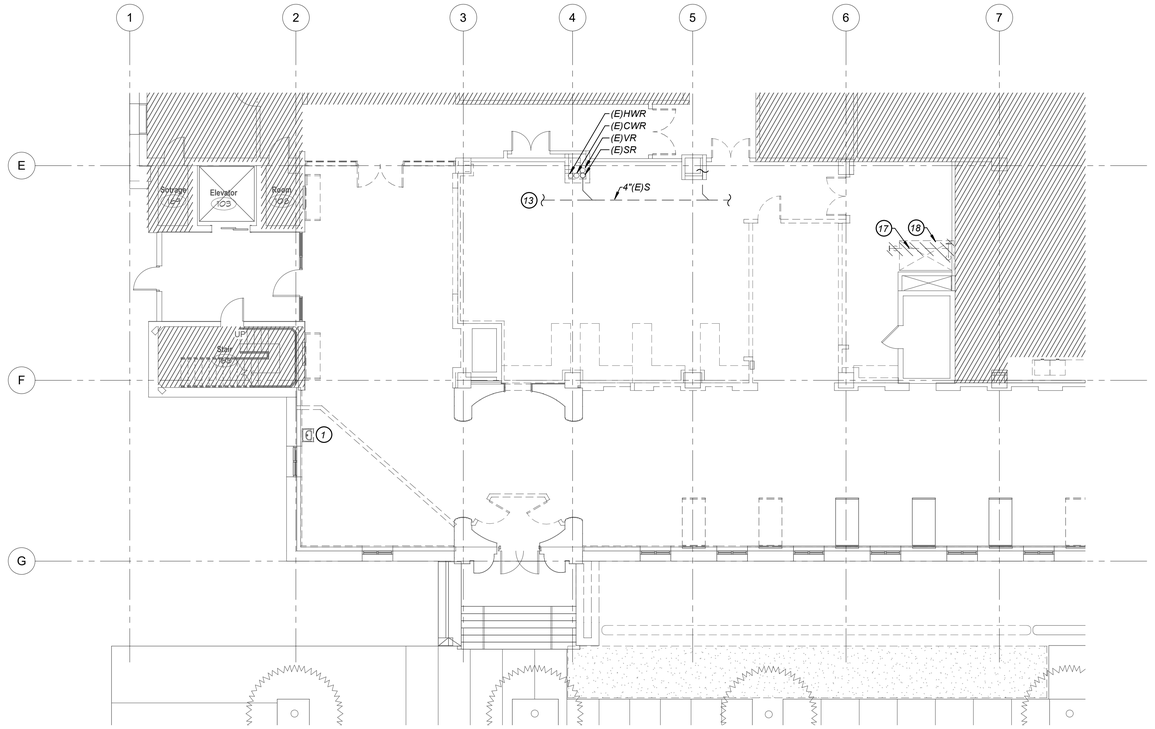
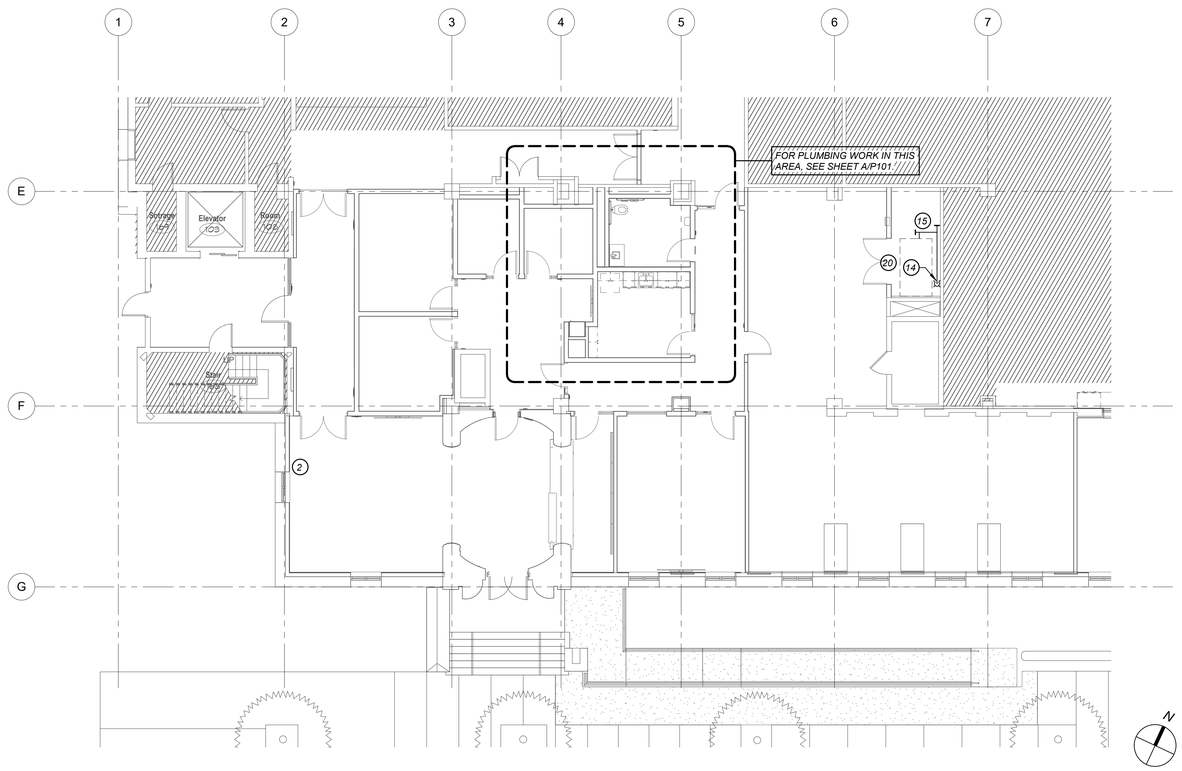


PLUMBING NOTES (THIS SHEET ONLY):

1. *ALL PLUMBING UTILITIES TO REMAIN IN SERVICE DURING DEMOLITION. COORDINATE ALL SHUT-DOWNS WITH MAINTENANCE STAFF TO MINIMIZE INTERRUPTION OF SERVICES.*

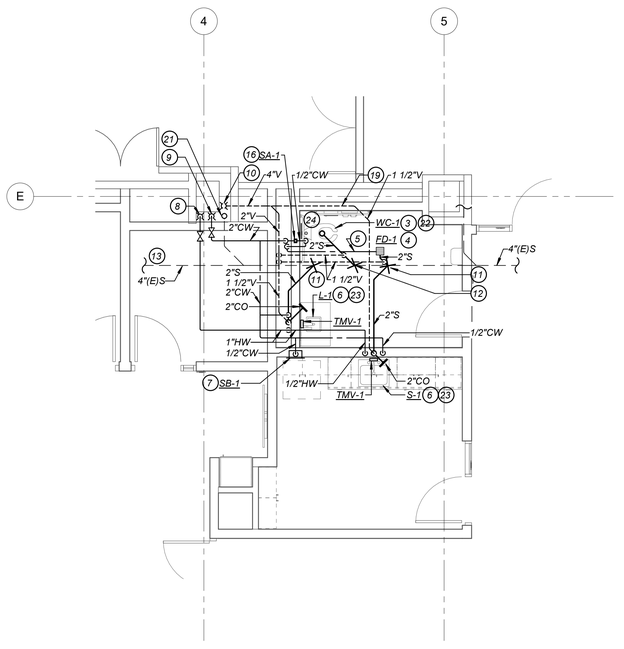
J1 — FIRST FLOOR DEMOLITION PLAN

1/8" = 1'-0"



A1 — FIRST FLOOR PLUMBING PLAN

1/8" = 1'-0"



A11 — FIRST FLOOR ENLARGED FP

1/4" = 1'-0"

KEYNOTES (THIS SHEET ONLY):

1. *DISCONNECT AND REMOVE (E) SINK AND ALL TRIM. CAP ALL PLUMBING BEHIND FINISHED SURFACES.*
2. *PATCH AND MATCH ARCHITECTURAL FINISHES FOR ALL SURFACES.*
3. *INSTALL NEW PLUMBING ROUGH FOR NEW FIXTURE INSTALLATION. CORE THROUGH CONCRETE DECK AS REQUIRED FOR ADA COMPLIANCE. REFER TO ARCH. DRAWINGS. CONNECT 4"S, 1-1/2"V UP.*
4. *INSTALL NEW FLOOR DRAIN. CORE THROUGH CONCRETE DECK, PROVIDE 2"S, 1-1/2" V AND ½"CW. PIPE TRAP PRIMER FROM WC-1 FLUSH VALVE, ADA COMPLIANT.*
5. *CONNECT ½" CW FROM TRAP PRIMER TO FD-1.*
6. *INSTALL NEW PLUMBING ROUGH FOR NEW FIXTURE INSTALLATION. CORE THROUGH CONCRETE DECK AS REQUIRED. CONNECT 2"S WITH WCO, 1-1/2"V UP. REFER TO ARCH. DRAWINGS FOR ADA COMPLIANCE.*
7. *INSTALL NEW PLUMBING ROUGH FOR NEW FIXTURE INSTALLATION. CONNECT 1/2" CW DOWN THRU FLOOR FOR SUPPLY BOX.*
8. *POC ½" HW TO (E) 1" HW AND EXTEND ABOVE CEILING TO NEW FIXTURES.*
9. *POC 2" CW TO (E) 2" CW AND EXTEND ABOVE CEILING TO NEW FIXTURES.*
10. *POC 2" V TO (E) 4" V AND EXTEND ABOVE CEILING TO NEW FIXTURES.*
11. *POC 2" S TO (E) 4" S AND EXTEND BELOW FLOOR TO NEW FIXTURES.*
12. *POC 4" S TO (E) 4" S AND EXTEND BELOW FLOOR TO NEW FIXTURES.*
13. *EXISTING 4"S ON CEILING OF BASEMENT.*
14. *POC 1" CONDENSATE TO (E) CONDENSATE. SEE DETAIL A-X/P101 FOR CONDENSATE DRAIN CONNECTION.*
15. *SEE DETAIL B-X/P101 FOR CONDENSATE SUPPORTS.*
16. *INSTALL SHOCK ABSORBER IN AN UPRIGHT POSITION BEHIND WALL ACCESS PANEL.*
17. *REMOVE (E) CONDENSATE LINE.*
18. *(E) AIR HANDLER*
19. *INSTALL (N) 1-1/2"V PIPING ABOVE CEILING.*
20. *(N) AIR HANDLER*
21. *(E) SEWER RISER*
22. *INSTALL NEW PLUMBING ROUGH FOR NEW FIXTURE INSTALLATION. CONNECT 1-1/2"CW DOWN TO WC-1 FROM ABOVE CEILING.*
23. *INSTALL NEW PLUMBINGL ROUGH FOR NEW FIXTURE INSTALLATION. CONNECT 1/2"CW DOWN AND 1/2"HW DOWN TO PLUMBING FIXTURE.*
24. *INSTALL ACCESS PANEL FOR SA-1.*

Agency Approval

General Notes

LAWRENCE ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 Fresno, CA 93720
(559) 431-0101 22005 FAX (559) 431-1362

REGISTERED PROFESSIONAL ENGINEER — RYAN W. CARLSON — M34846 — EXP. 6-30-22 — MECHANICAL — STATE OF CALIFORNIA

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

PLUMBING FLOOR PLAN

Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT — ANTONIO J. AYALA — No. C26235 — Renewal: 10-31-23 — STATE OF CALIFORNIA

Architect

No.	Revision/Submission	Date

Revision

		Designed By: AK	Copyright 2022 Darden Architects
Scale:	As indicated	Drawn By: LEG	A/P101
Project Number:	1947.IDA	Checked By: AK	
Date:	2/1/2022	Reviewed By: RC	

3/10/2022 4:14:25 PM
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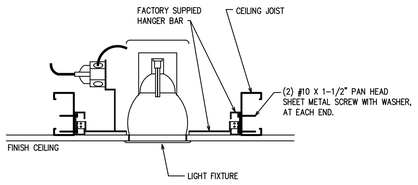
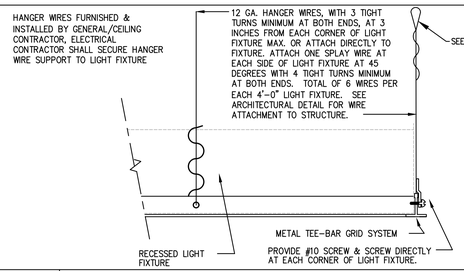
LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	DESCRIPTION	CATALOG#	LAMP	WATTS	VOLT	MOUNTING	REMARKS
A	ABL - LITHONIA	2X4 TROFFER	2BLT4 40L ADSM EZ1 LP835 N100	LED	31.7	MVOLT	RECESSED	NLIGHT
AE	ABL - LITHONIA	2X4 TROFFER	2BLT4 40L ADSM EZ1 LP835 E10WLCP N100	LED	31.7	MVOLT	RECESSED	NLIGHT
A1	ABL - LITHONIA	2X2 TROFFER	2BLT2 RB 33L ADSM EZ1 LP835 N100	LED	26.7	MVOLT	RECESSED	NLIGHT
B	USAI LIGHTING	RECESSED SLOT	MDG 0827H1 35KH 50 BL BL NCVS UNV D6E GL95 UAS (VERIFY)	LED	27.0	MVOLT	RECESSED	COORDINATE WITH SUSPENDED CEILING
C8	PRUDENTIAL LTG	RECESSED SLOT	BPRO4-REC-FLSH-LED35-MO-8FT-TMW-WWF-LP-SC-UNV-XX-DM01	LED	44.8	MVOLT	RECESSED	
D2	PRUDENTIAL LTG	RECESSED SLOT	BPRO4-REC-FLSH-LED35-MO-2FT-TMW-BTW-LP-SC-UNV-XX-DM01	LED	11.8	MVOLT	RECESSED	
D8	PRUDENTIAL LTG	RECESSED SLOT	BPRO4-REC-FLSH-LED35-MO-8FT-TMW-BTW-LP-SC-UNV-XX-DM01	LED	44.8	MVOLT	RECESSED	
D8E	PRUDENTIAL LTG	RECESSED SLOT	BPRO4-REC-FLSH-LED35-MO-8FT-TMW-BTW-LP-SC-UNV-XX-DM01-EMHE	LED	44.8	MVOLT	RECESSED	EMERGENCY EGRESS
D16	PRUDENTIAL LTG	RECESSED SLOT	BPRO4-REC-FLSH-LED35-MO-16FT-TMW-BTWWWF-LP-SC-UNV-XX-DM01	LED	89.6	MVOLT	RECESSED	
D16E	PRUDENTIAL LTG	RECESSED SLOT	BPRO4-REC-FLSH-LED35-MO-16FT-TMW-BTWF-LP-SC-UNV-XX-DM01-2EMHE	LED	89.6	MVOLT	RECESSED	EMERGENCY EGRESS
D24	PRUDENTIAL LTG	RECESSED SLOT	BPRO4-REC-FLSH-LED35-MO-24FT-TMW-BTW-LP-SC-UNV-XX-DM01	LED	134.4	MVOLT	RECESSED	
F	EUREKA	CYLINDER	3049-18-LED-35-80-120V-DV-W1-BLKE-BLKE	LED	13.7	MVOLT	WALL	BOARD ROOM
G	EUREKA	CYLINDER	4049-18-LED-35-80-120V-DV-ME-C60-RC1-BLK-BLKE-BLKE-3983	LED	13.7	MVOLT	PENDANT	
G1	PATHWAY LIGHTING	CYLINDER	C86-A-V-1035WL9-2035WL9-DA-MB	LED	23.6	MVOLT	PENDANT	COORDINATE WITH SUSPENDED CEILING
G2	EUREKA	SURFACE ROUND	4549-10-LED-35-80-120V-DV-ME-CLR-BLKE-BLKE-3983	LED	14.0	MVOLT	SURFACE	
H	EUREKA	SURFACE ROUND	3046-46-LEDHO-35-80-120V-DV-SL-WHE	LED	104.9	MVOLT	SURFACE	EMERGENCY EGRESS
HE	EUREKA	SURFACE ROUND	3046-46-LEDHO-35-80-120V-DV-EMB-SL-WHE-3981EA	LED	104.9	MVOLT	SURFACE	
J	ABL - LITHONIA	DOWNLIGHT	LDN4 35/10 LO4AR LSS MVOLT GZ1	LED	10.6	MVOLT	RECESSED	
JE	ABL - LITHONIA	DOWNLIGHT	LDN4 35/10 LO4AR LSS MVOLT GZ1 E10WLCP	LED	10.6	MVOLT	RECESSED	EMERGENCY EGRESS
L	TARGETTI	TAPE	DFA-SB-42-O-35-24V	LED	4.2/FT	MVOLT	RECESSED	DOME RETROFIT
X	BEGHELLI	EXIT	CRV-SA-LG-1-C-S-AL	LED	2	MVOLT	UNIVERSAL	BATTERY EXIT
M	PRUDENTIAL LTG	WALL MOUNT	BPRO3-LIN-FLSH-LO-4FT-XXX-SAL-NU-SC-UNV-WM-X3-DM01	LED	15.2	MVOLT	WALL	WALL
K	ABL - ACLUX	DOWNLIGHT	AX3-A-G4-12LM-34K-80CRI-35D-GZ1-MVOLT-3CP-CS-HB26	LED	12	MVOLT	RECESSED	ADJUSTABLE

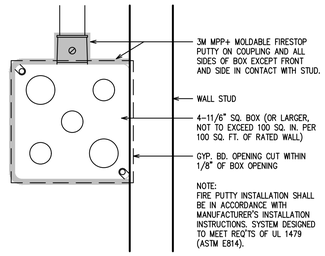
M1 — LIGHTING FIXTURE SCHEDULE
No Scale



J1 — TYPICAL RECESSED CAN LIGHT MOUNTING DETAIL
No Scale



J5 — T-BAR LAY-IN LIGHT FIXTURE MOUNTING DETAIL
No Scale



J10 — ELECTRICAL BOX IN FIRE RATED WALL DETAIL
No Scale

ELECTRICAL SYMBOLS:

- 2x4 LAY-IN LIGHT FIXTURE
- 2x4 LAY-IN LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP
- RECESSED CAN LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP
- SURFACE LIGHT FIXTURE
- WALL LINEAR LIGHT FIXTURE
- SLOT LIGHT FIXTURE
- EMERGENCY EXIT LIGHT
- LIGHTING CONTROL SYSTEM WALL STATION WITH NUMBER ZONES CONTROLLED (ON/OFF, RAISE/LOWER) AS INDICATED, WALL MOUNTED +48" A.F.F. TO TOP OF THE BOX. (1) LITHONIA #NPODM-DX-WH
- $_{LCP}$ LIGHTING CONTROL SYSTEM MASTER LCD STATION FOR BOARD ROOM LITHONIA #FCS-7ST5N-DBL
- LIGHTING CONTROL SYSTEM OCCUPANCY SENSOR, CEILING MOUNTED. LITHONIA #NCM-PDT-10-RJB
- $_{P}$ LIGHTING CONTROL SYSTEM OCCUPANCY SENSOR/PHOTOCELL, CEILING MOUNTED. LITHONIA #NCM-PDT-10-RJB-ADCX
- LIGHTING CONTROL SYSTEM DIMMING POWER PACK. LITHONIA #NPP16-D
- LIGHTING SYSTEM RELAY PACK
- LIGHTING CONTROL SYSTEM BRIDGE. LITHONIA #NBRG-8
- LIGHTING CONTROL SYSTEM GATEWAY. LITHONIA #NGWY2
- $_{L}$ LINE VOLTAGE MOTION SENSOR
- DUPLEX RECEPTACLE, WALL MOUNTED +15" TO BOTTOM OF BOX, U.O.N.
- $_{TV}$ DUPLEX RECEPTACLE, WALL MOUNTED AT TELEVISION
- FOUR-PLEX RECEPTACLE, WALL MOUNTED +15" TO BOTTOM OF BOX, U.O.N.
- WEATHERPROOF, G.F.I. PROTECTED DUPLEX RECEPTACLE, WALL MOUNTED +15" TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED
- G.F.I. PROTECTED DUPLEX RECEPTACLE, WALL MOUNTED +15" TO BOTTOM OF BOX, U.O.N.
- POKE-THROUGH AS NOTED
- MOTOR CONNECTION AND FUSIBLE DISCONNECT SWITCH, FUSE AS REQUIRED, NEMA 3R FOR OUTDOOR
- MOTOR CONNECTION, STARTER W/ OVERLOADS, AND FUSIBLE DISCONNECT SWITCH, FUSE AS REQUIRED, NEMA 3R FOR OUTDOOR
- POWER DISTRIBUTION BOARD OR WIRE GUTTER AS NOTED
- T TRANSFORMER
- SURFACE / FLUSH PANELBOARD
- TERMINAL CABINET OR CONTROL PANEL AS NOTED
- EXISTING CONDUIT/WIRING TO BE DEMOLISHED
- WIRES IN CONDUIT, CONCEALED IN WALL OR CEILING
- A-2 HOMERUN OF CONDUIT AND WIRING, CIRCUIT NO. 2 TO PANEL 'A'
- CROSS HATCHES INDICATE NUMBER OF #12 AWG. CONDUCTORS IN CONDUIT, WHEN MORE THAN TWO. WIRE SIZE INDICATED ON PLANS WHEN OTHER #12 AWG. PROVIDE GROUND PER CEC 250. (LARGE HATCHES ARE NEUTRAL CONDUCTORS, SMALL HATCHES ARE HOT OR SWITCH-LEG CONDUCTORS, CURVED HATCHES ARE 0-10V PURPLE & GREY CONDUCTORS)
- SURFACE / FLUSH PANELBOARD
- (E) EXISTING
- (N) NEW

J14 — ELECTRICAL SYMBOLS
No Scale

DSA File No.:
10-119

DSA Application No.:
02-119598

Agency Approval

GENERAL ELECTRICAL NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE 2019 C.E.C. CODES AND ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
2. IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT, ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.
3. THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
4. ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM. REPAIR OR REPLACE EXISTING ITEMS DAMAGED DURING CONSTRUCTION. LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION.
5. ELECTRICAL EQUIPMENT SHALL HAVE A TESTING LABORATORY LABEL ATTACHED (U.L., C.S.A., ETC.).
6. ELECTRICAL EQUIPMENT SHALL BE SUITABLE FOR AVAILABLE SHORT CIRCUIT CURRENT.
7. CONDUCTORS SHALL BE COPPER, TYPE THWN-2 FOR SIZE NO. 6 AWG AND SMALLER; TYPE THWN-2 FOR SIZES LARGER THAN NO. 6 AWG. SPLICES SHALL BE SUBMERSIBLE RATED. WIRING SHALL BE MEGGER TESTED PRIOR TO ENERGIZING.
8. ALL WIRING SHALL BE INSTALLED IN METALLIC CONDUIT OR MC CABLE. CONCEAL WIRING IN WALLS WHERE POSSIBLE.
9. ELECTRICIANS MUST BE "CERTIFIED" BY THE STATE OF CALIFORNIA. NON-COMPLIANT VIOLATION OF THIS REQUIREMENT BY EITHER ELECTRICIANS OR WORKING CONTRACTORS SHALL BE REPORTED TO THE LICENSE BOARD AS REQUIRED UNDER THE EXISTING LABOR CODE SECTION 108.2 & 3099.2 & THE DEPT. OF INDUSTRIAL RELATIONS, PHONE (510) 286-3900 TO REPORT ANY VIOLATION OF THIS REQUIREMENT.
10. PROVIDE UPDATED TYPED PANEL DIRECTORIES FOR ALL PANELS WITH NEW CIRCUITS.
11. COORDINATE ALL WORK WITH 'AV' DESIGN & PROVIDE AV CABLING PATHWAYS.
12. VERIFY WITH DISTRICT ALL DATA MDF & IDF LOCATIONS & UPGRADES FOR NEW DATA CABLING.
13. PROVIDE CONCRETE & OPERATING WIRED NLIGHT LIGHTING CONTROL SYSTEMS, COMPLETE WITH SUBMITTALS FOR EACH ROOM.

K18 — GENERAL ELECTRICAL NOTES
No Scale

FIRE ALARM SYSTEM EXPANSION & SUBMISSION:

INCLUDE IN BID ALL WORK REQUIRED TO: SURVEY EXISTING BUILDING SIMPLEX 4100 FIRE ALARM SYSTEM; DETERMINE CODE REQUIRED SCOPE OF WORK REQUIRED TO EXPAND THE EXISTING SIEMENS SYSTEM FOR EFFECTED AREAS OF FLOORS 1 DESIGN & PROVIDE DOCUMENTS REQUIRED FOR THE SYSTEM TO SUBMIT AS A C10 CONTRACTOR TO THE CITY OF FRESNO FIRE PREVENTION; OBTAIN APPROVAL & PERMITS; & PROVIDE ALL REQUIRED WORK. INCLUDE ALL REQUIRED INITIATION DEVICES, NOTIFICATION APPLIANCES, NAC EXPANDER PANELS, CONCEALED WIRING, EQUIPMENT UPGRADES, CALCULATIONS, SUBMITTALS, & PERMITS. THE EXISTING FACP IS LOCATED IN THE BASEMENT ELECTRICAL ROOM. AS-BUILT PLANS ARE AVAILABLE UPON REQUEST, OF THE 2008 SYSTEM UPGRADE.

G18 — FIRE ALARM SYSTEM NOTES
No Scale

MOUNTING NOTES:

A. CEILING METAL FRAMING MEMBER OR METAL BLOCKING:
SEE ARCH. PLANS.

B. HANGER BOLT:
B-LINE #ARS-25-100
1/4"x1" SHEET METAL SCREW WITH 1/4-20 THREADED HANGER BOLT.

C. J-BOX:
LIGHTING CIRCUIT J-BOX (AT POWER FEED END OF FIXTURE ONLY).

D. GYP. BOARD:
SEE ARCH. PLANS.

E. POWER FEED:
WHITE SO CORD, 18/3 OR 18/4, AS REQUIRED.

F. AIRCRAFT CABLE:
3/32" STAINLESS STEEL AIRCRAFT CABLE W/ GRIPLOCK #CC-1420-TZ CABLE COUPLER WITH 1/4-20 INTERNAL THREADS & BARREL TERMINAL AT ONE END.

G. CANOPY:
BY MANUFACTURER

H. ZIP TIE:
NEATLY ZIP TIE POWER FEED TO AIRCRAFT CABLE AT 6" CENTERS W/ WHITE ZIP TIES. USE FACTORY SUPPLIED WHICH WHEN AVAILABLE.

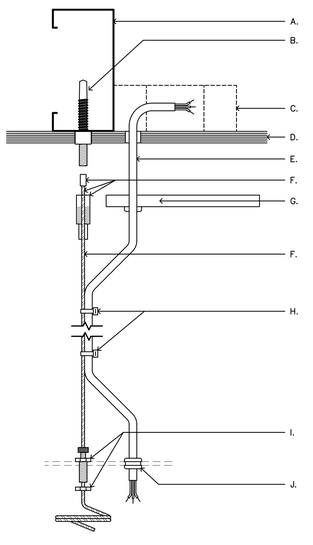
I. GRIPPER:
UL LISTED AIRCRAFT CABLE GRIPPER W/ KNURLED LOCK NUT. 1/4-20" THREADED BODY & NUT ATTACHES TO FIXTURE.

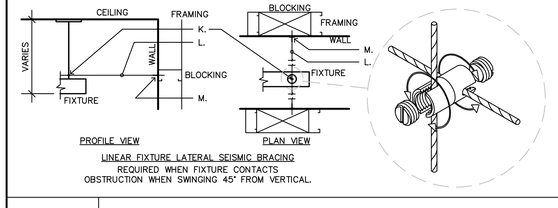
J. STRAIN RELIEF:
STRAIN RELIEF BUSHING AT FIXTURE.

K. 2-CABLE CLAMP:
GRIPLOCK #CC-UNICROSS
SECURE TO EACH HANGER CABLE WITHIN 4" OF FIXTURE ATTACHMENT POINT.

L. LATERAL BRACING CABLE:
3/32" STAINLESS STEEL AIRCRAFT CABLE INSTALLED LONGITUDINALLY ACROSS FIXTURE TO PREVENT SWAYING.

M. WALL CABLE ANCHOR:
GRIPLOCK #25Z-M13-1420-SL
SECURED WITH #12 SHEET METAL SCREW TO WALL FRAMING/BLOCKING AT EACH END OF FIXTURE.





LINEAR FIXTURE LATERAL SEISMIC BRACING
REQUIRED WHEN FIXTURE CONTACTS OBSTRUCTION WHEN SWINGING 45° FROM VERTICAL.

A1 — CABLE HUNG LIGHT FIXTURE MOUNTING DETAIL (HARD LID)
No Scale

MOUNTING NOTES:

A. HANGER WIRE:
12GA GALV. HANGER WIRES FROM SUPPORT CLIP TO ROOF STRUCTURE PER DSA IR 25-2.13. REFER TO ARCHITECTURAL DETAILS FOR ACCEPTABLE HANGER WIRE CONNECTIONS.

B. SUPPORT CLIP:
CADDY "INDEPENDENT SUPPORT CLIP" W/ 1/4-20 STUD. ATTACHES OVER T-BAR RUNNER.

C. J-BOX:
LIGHTING CIRCUIT J-BOX (AT POWER FEED END OF FIXTURE ONLY).

D. ACOUSTIC CEILING TILE:
INSTALLED IN T-BAR GRID SYSTEM. SEE ARCH. PLANS.

E. POWER FEED:
WHITE SO CORD, 18/3 OR 18/4, AS REQUIRED.

F. AIRCRAFT CABLE:
3/32" STAINLESS STEEL AIRCRAFT CABLE W/ GRIPLOCK #CC-1420-TZ CABLE COUPLER WITH 1/4-20 INTERNAL THREADS & BARREL TERMINAL AT ONE END.

G. CANOPY:
BY MANUFACTURER

H. ZIP TIE:
NEATLY ZIP TIE POWER FEED TO AIRCRAFT CABLE AT 6" CENTERS W/ WHITE ZIP TIES.

I. GRIPPER:
UL LISTED AIRCRAFT CABLE GRIPPER W/ KNURLED LOCK NUT. 1/4-20" THREADED BODY & NUT ATTACHES TO FIXTURE.

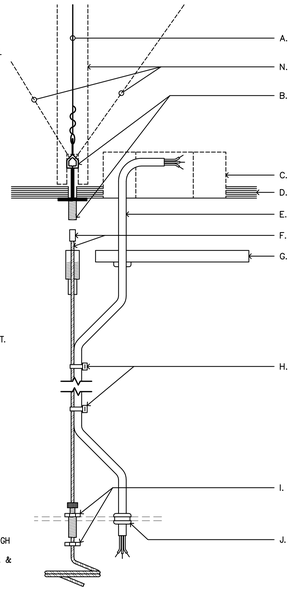
J. STRAIN RELIEF:
STRAIN RELIEF BUSHING AT FIXTURE.

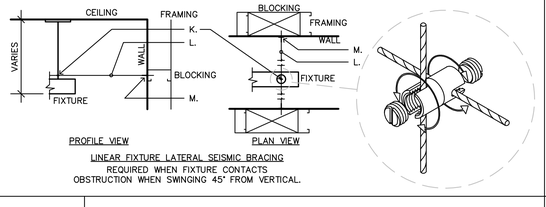
K. 2-CABLE CLAMP:
GRIPLOCK #CC-UNICROSS
SECURE TO EACH HANGER CABLE WITHIN 4" OF FIXTURE ATTACHMENT POINT.

L. LATERAL BRACING CABLE:
3/32" STAINLESS STEEL AIRCRAFT CABLE INSTALLED LONGITUDINALLY ACROSS FIXTURE TO PREVENT SWAYING.

M. WALL CABLE ANCHOR:
GRIPLOCK #25Z-M13-1420-SL
SECURED WITH #12 SHEET METAL SCREW TO WALL FRAMING/BLOCKING AT EACH END OF FIXTURE.

N. COMPRESSION STRUT:
PROVIDE COMPRESSION STRUT AND (4) SPLAY WIRES THROUGH MAIN RUNNER PER DSA IR 25-2.13 WITHIN 6" OF EACH SUPPORT CLIP, SUPPORT CLIPS TO BE SPACED MAX. 8' O.C. & WITHIN 6" OF EACH END. SEE ARCH. DETAILS FOR INSTALLATION REQUIREMENTS.

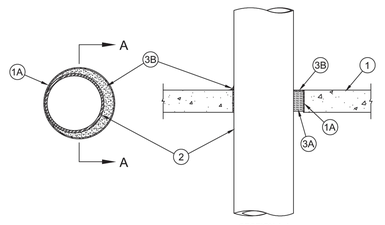




LINEAR FIXTURE LATERAL SEISMIC BRACING
REQUIRED WHEN FIXTURE CONTACTS OBSTRUCTION WHEN SWINGING 45° FROM VERTICAL.

A5 — MOUNTING DETAILS
No Scale

System No. C-AJ-1366
December 04, 2008
F Rating – 2 Hr
T Rating – 0 Hr
L Rating At Ambient – Less Than 1 CFM/sq ft
L Rating At 400 F – 2 CFM/sq ft



1. **Floor or Wall Assembly** – Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete floor or min 3 in. (76 mm) thick. reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 10 in. (254 mm).
   See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

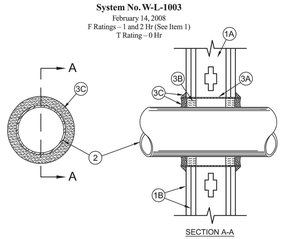
1A. **Steel Sleeve** (Optional) – Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast into concrete floor or wall. Sleeve to be flush with top and bottom surfaces of floor or both surfaces of wall.

2. **Through Penetrants** – One metallic pipe, tubing or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between tube and periphery of opening shall be min 0 in. to max 7/8 in. (22 mm). Penetrants to be rigidly supported on both sides of floor assembly. The following types and sizes of metallic pipes, tubing or conduit may be used:
   A. **Steel Pipe** – Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. **Iron Pipe** – Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.
   C. **Conduit** – Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.
   D. **Conduit** – Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.
   E. **Copper Tubing** – Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube.
   F. **Copper Pipe** – Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. **Firestop System** – The details of the firestop system shall be as follows:
   A. **Packing Material** – Min 2 in. (51 mm) thickness of min 4 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.
   B. **Fill, Void or Cavity Materials* - Caulk** – Min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top surface of floor or both surfaces of wall. Min 1/2 in. (13 mm) diam bead of caulk applied to the penetrant/concrete interface at the point contact location on the top surface of floor or both surfaces of wall.
   3M COMPANY – FireDam 150+

*Bearing the UL Classification Mark

This material was extracted and drawn by 3M Fire Protection Products from the 2009 edition of the UL Fire Resistance Directory. c UL us

System No. W-L-1003
February 14, 2008
F Ratings – 1 and 2 Hr (See Item 1)
T Rating – 0 Hr



1. **Wall Assembly** – The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-1/2 in. (89 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board*** – Nom 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 15 in. (381 mm).
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Through Penetrant** – One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The space between pipes, conduits or tubing and the steel sleeve (Item 3A) shall be min of 0 in. (point contact) to max 2-3/8 in. (60 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. **Steel Pipe** – Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. **Iron Pipe** – Nom 12 in. (305 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.
   C. **Conduit** – Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.
   D. **Copper Tubing** – Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. **Copper Pipe** – Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. **Firestop System** – Installed symmetrically on both sides of wall assembly. The details of the firestop system shall be as follows.
   A. **Steel Sleeve** – Cylindrical sleeve fabricated from min 0.019 in. thick (0.48 mm) galv sheet steel and having a min 2 in. (51 mm) lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall plus 1 to 4 in. (25 to 102 mm) such that, when installed, the ends of the sleeve will project approx 1/2 to 2 in. (13 to 51 mm) beyond the surface of the wall on both sides of the wall assembly.
   Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the openings and releasing the coil to let it uncoil against the circular cutouts in the gypsum board layers.
   B. **Packing Material** – Min 1 in. (25 mm) thickness of mineral wool batt insulation firmly packed into steel sleeve on both sides of the wall assembly as permanent forms. Packing material to be recessed min 1/2 in. (13 mm) from end of steel sleeve (flush with or recessed into gypsum board surface) on both sides of wall assembly.
   B1. **Packing Material** – (Not shown) – As an alternate to Item B, nom 1 in. (25 mm) thick polyethylene backer rod may be used. The backer rod is to be recessed within the steel sleeve a min of 1 in. (25 mm) from each surface of wall.
   C. **Fill, Void or Cavity Materials* – Caulk or Sealant** – When mineral wool batt insulation is used, caulk or sealant applied to fill the steel sleeve to a min depth of 1/2 in. (13 mm) on both sides of wall assembly. When backer rod is used, a min thickness of 1 in. (25 mm) of caulk or sealant is required flush with both sides of wall. A nom 1/4 in. (6 mm) diam continuous bead of caulk or sealant shall be applied around the circumference of the steel sleeve at its egress from the gypsum board layers on both sides of the wall assembly.
   3M COMPANY – CP 25WB+, IC 15WB+ or FB-3000 WT

*Bearing the UL Classification Mark

This material was extracted and drawn by 3M Fire Protection Products from the 2008 edition of the UL Fire Resistance Directory. c UL us

A10 — CONDUIT PENETRATION FIRE STOP DETAILS
No Scale

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Consultant

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Architect

No.	Revision/Submission	Date

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Drawn By: HDE
Checked By: RH
Reviewed By: RH

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X/E001
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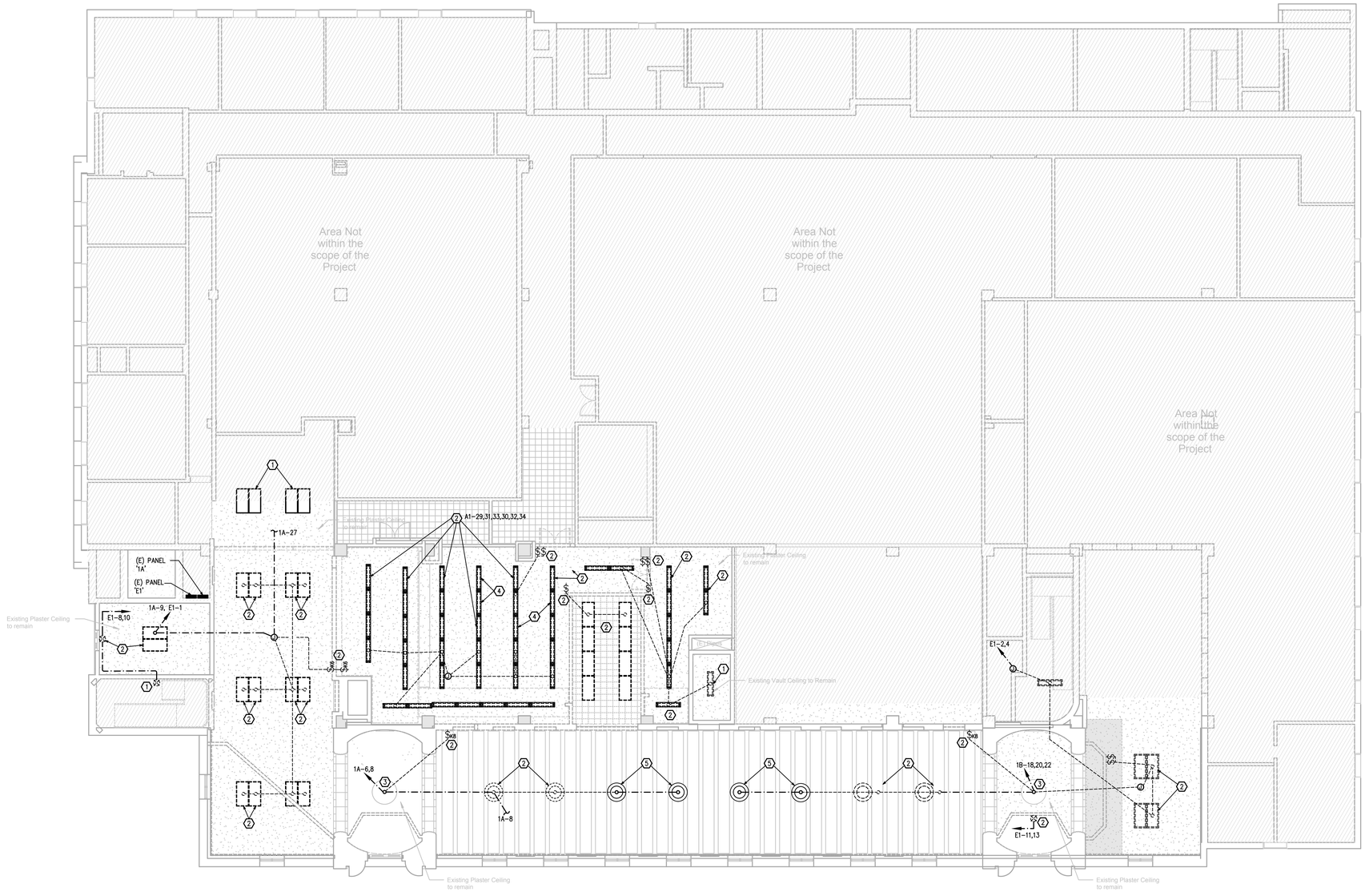

N

DSA File No.:
10-119

DSA Application No.:
02-119598

Agency Approval

DRAWING KEY NOTES ⟨1⟩

1. EXISTING LIGHT FIXTURE & SWITCHING TO REMAIN.
2. REMOVE EXISTING LIGHTING & SWITCHING, BUGEYES, & UNUSED WIRING. RE-USE EXISTING CIRCUITS FOR NEW LIGHTS.
3. EXISTING LIGHT FIXTURE TO BE RETROFITTED.
4. (2) FIXTURES TO BE RELOCATED TO STORAGE 121.
5. EXISTING LIGHT FIXTURE TO BE RECONNECTED.

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Consultant

Board Room Remodel
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DEMOLITION CEILING PLAN - FIRST FLOOR

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Project Number: 1947. IDA	Checked By: RH	
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A1
1/8" = 1'-0"

Demolition Ceiling Plan - First Floor

3/30/2022 2:00:26 PM
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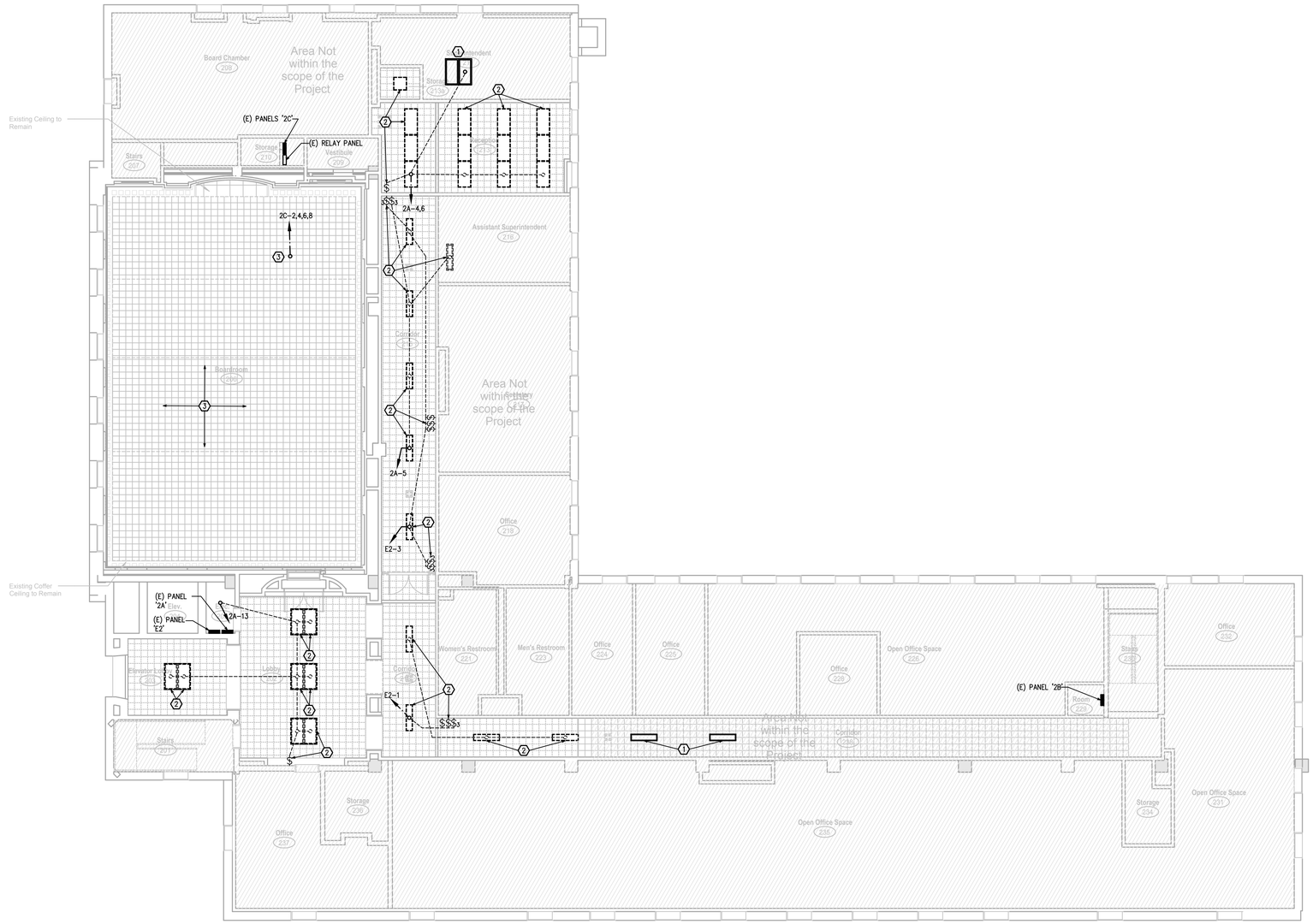

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DSA File No.:
10-119

DSA Application No.:
02-119598

Agency Approval

DRAWING KEY NOTES ⟨1⟩

1. EXISTING LIGHT FIXTURE & SWITCHING TO REMAIN.
2. REMOVE EXISTING LIGHTING & SWITCHING, & UNUSED WIRING. RE-USE EXISTING CIRCUITS FOR NEW LIGHTS.
3. REMOVE ALL EXISTING LIGHTS, CONTROLS & UNUSED WIRING IN BOARD ROOM AS REQUIRED (NOT SHOWN).

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Consultant

Board Room Remodel
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DEMOLITION CEILING PLAN - SECOND FLOOR

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Demolition Ceiling Plan - Second Floor

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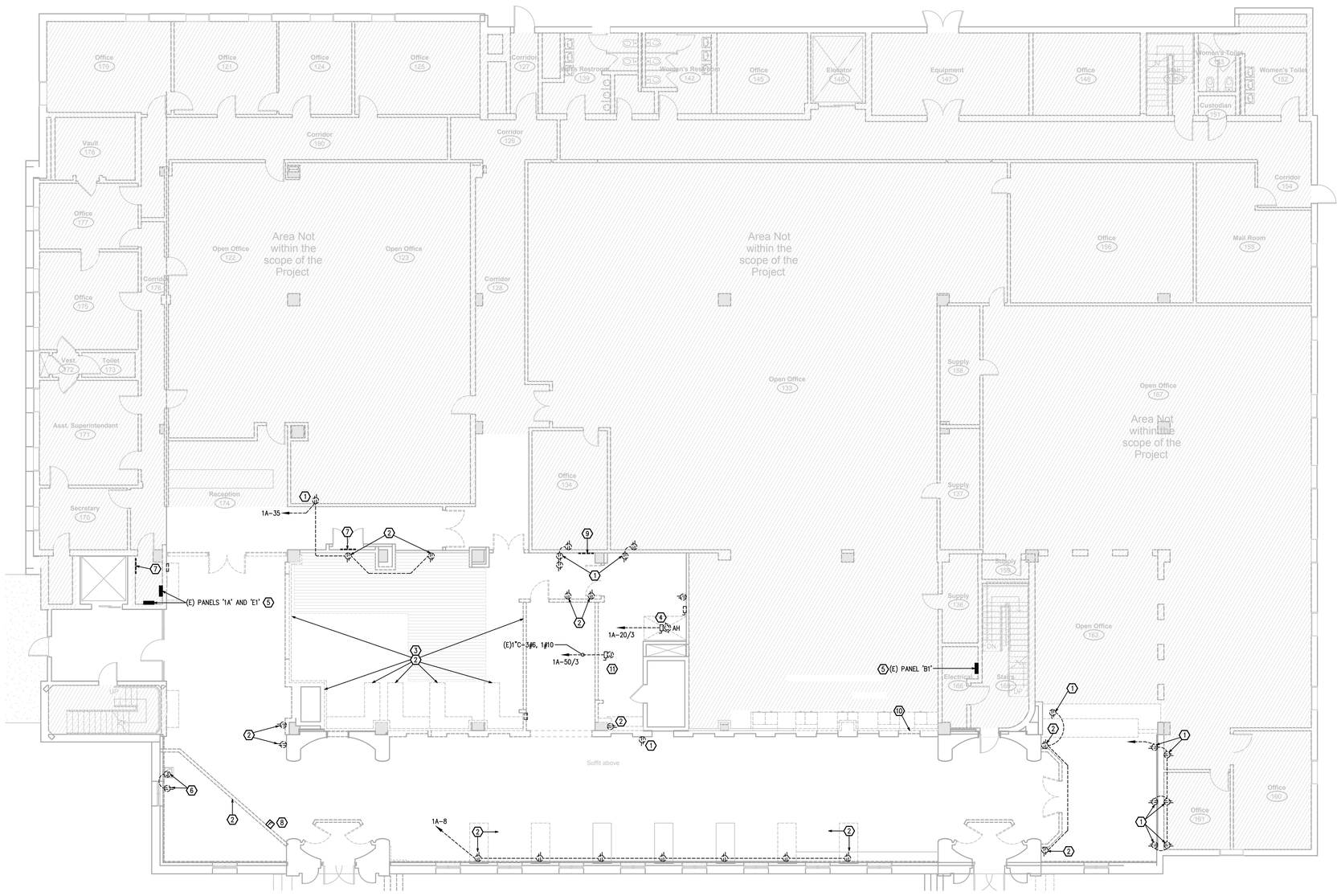

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DSA File No.:
10-119

DSA Application No.:
02-119598

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DRAWING KEY NOTES (1)

1. EXISTING ELECTRICAL NOT INTERFERING WITH DEMOLITION TO REMAIN WHETHER SHOWN OR NOT.
2. REMOVE EXISTING ELECTRICAL IN AREA, TO BE DEMOLISHED WHETHER SHOWN OR NOT. REMOVE CIRCUITS BACK TO SOURCE & REMOVE UN-USED & SURFACE WIRING. REMOVE UN-USED DATA OUTLETS & CABLING.
3. REMOVE ALL EXISTING OUTLETS & WIRING IN DESKS & REMOVE ALL SURFACE WIREWAYS. USE CIRCUITS FOR NEW WORK.
4. DISCONNECT EXISTING AIR HANDLER & REMOVE UN-USED WIRING.
5. EXISTING PANEL TO REMAIN. USE CIRCUITS AVAILABLE FROM DEMOLITION FOR NEW WORK.
6. REMOVE EXISTING RECEPTACLE, DISCONNECT EXISTING WATER HEATER, & REMOVE EXISTING UN-USED WIRING.
7. MAINTAIN DATA/ TEL IDF.
8. RELOCATE FIRE ALARM PULL STATION UNDER DEFERRED APPROVAL.
9. REMOVE UN-USED DATA IDF & BACKBOARD.
10. REROUTE SURFACE WIREWAY AS REQUIRED TO AVOID NEW DOOR.
11. DISCONNECT EXISTING DUCT FURNACES. REMOVE UNUSED WIRING. USE CIRCUIT TO POWER NEW VARIABLE VOLUME BOX HEAT COILS.

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Consultant

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DEMOLITION POWER PLAN - FIRST FLOOR

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A1
1/8" = 1'-0"

Demolition Power Plan - First Floor

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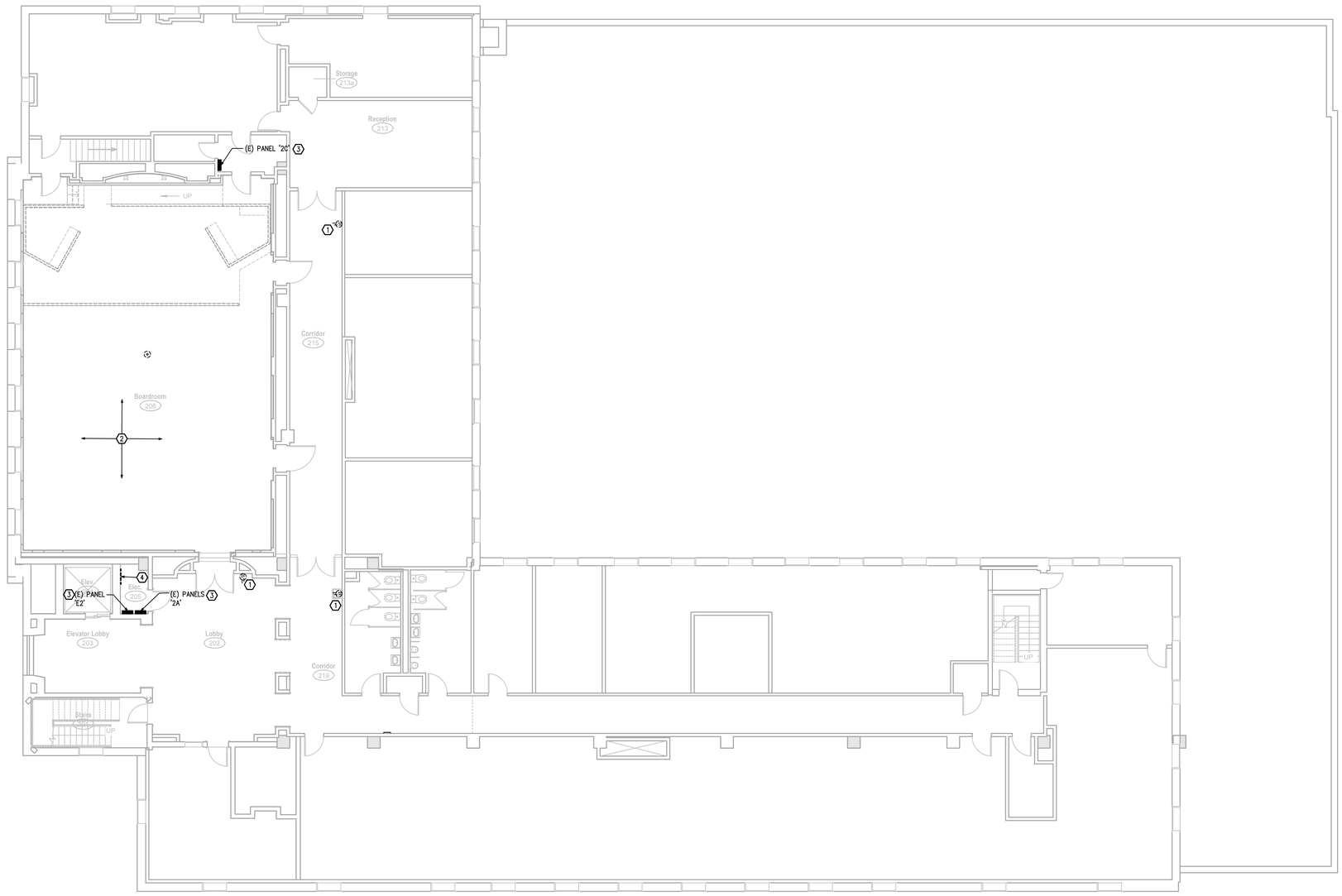

N

DSA File No.:
10-119

DSA Application No.:
02-119598

Agency Approval

DRAWING KEY NOTES (1)

1. EXISTING ELECTRICAL, NOT INTERFERING WITH BOARDROOM DEMOLITION TO REMAIN, WHETHER SHOWN OR NOT.
2. REMOVE ALL OUTLETS & CIRCUITS IN BOARD ROOM TO BE DEMOLISHED, WHETHER SHOWN OR NOT. USE CIRCUITS FOR NEW WORK.
3. EXISTING PANELS TO REMAIN. USE CIRCUITS AVAILABLE FROM DEMOLITION FOR NEW WORK.
4. MAINTAIN DATA/TEL IDF.

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A1
1/8" = 1'-0"
Demolition Power Plan - Second Floor

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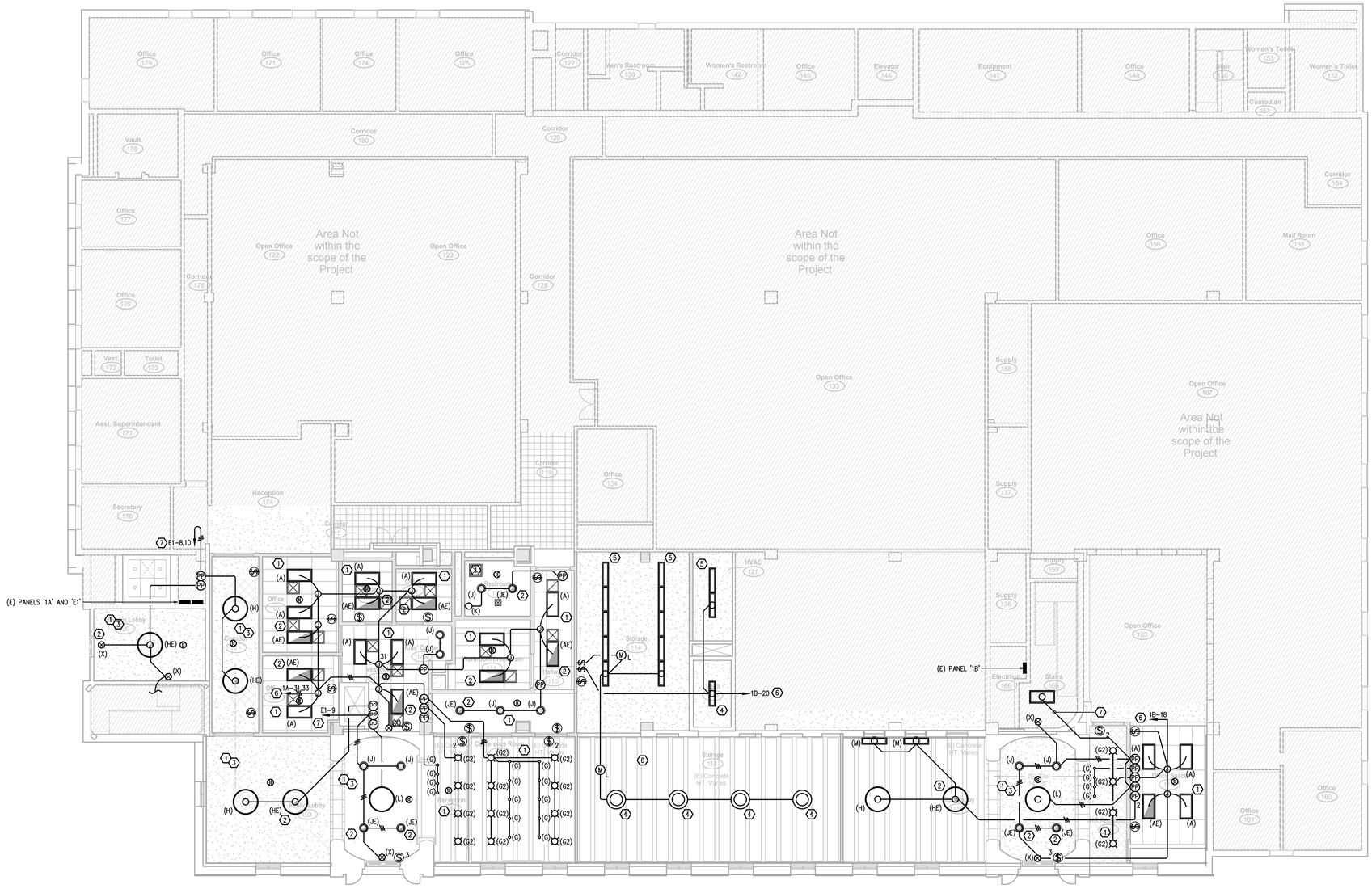

DSA File No.:
10-119

DSA Application No.:
02-119598

Agency Approval

DRAWING KEY NOTES

1. PROVIDE NEW LIGHTING & COMPLETE OPERATING WIRED NLIGHT CONTROLS WITH ALL REQUIRED NLIGHT ENABLED FIXTURES, MOTION SENSORS, DIMMER SWITCHES, CABLING, POWER PACKS, RELAY PACKS, BRIDGES, & GATEWAYS.
2. PROVIDE UNSWITCHED LINE FOR EMERGENCY BATTERY LIGHTS.
3. CONNECT TO GENERATOR PANEL CIRCUITS.
4. RECONNECT EXISTING FIXTURES, PROVIDE SWITCHING.
5. RELOCATE & RECONNECT EXISTING FIXTURES FOR STORAGE. PROVIDE SWITCHING.
6. RE-USE EXISTING LIGHTING CIRCUIT AVAILABLE FROM DEMOLITION.
7. RE-USE AVAILABLE GENERATOR LIGHTING CIRCUIT AVAILABLE FROM DEMOLITION.

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LIGHTING PLAN - FIRST FLOOR

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A1
1/8" = 1'-0"
Lighting Plan - First Floor

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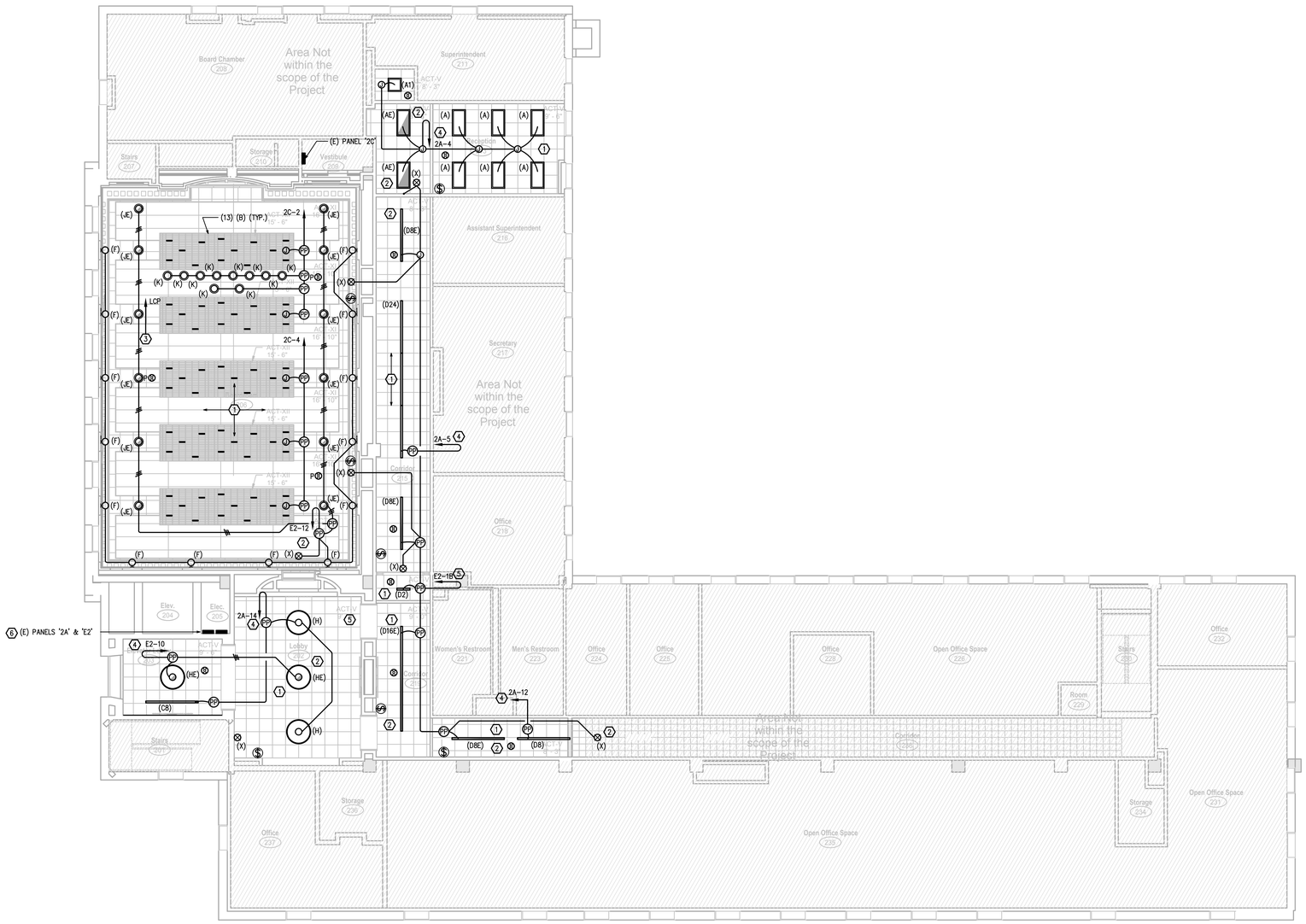

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DSA File No.:
10-119

DSA Application No.:
02-119598

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DRAWING KEY NOTES

1. PROVIDE NEW LIGHTING & COMPLETE OPERATING WIRED NLIGHT CONTROLS WITH ALL REQUIRED NLIGHT ENABLED FIXTURES, MOTION SENSORS, DIMMER SWITCHES, CABLING, POWER PACKS, RELAY PACKS, BRIDGES, & GATEWAYS.
2. PROVIDE UNSWITCHED LINE FOR EMERGENCY BATTERY LIGHTS.
3. PROVIDE (2) LITHONIA FCS-7TSN-DBL FRESCO CONTROL SYSTEM 7" LCD CONTROLLER FOR BOARD ROOM LIGHTING. LOCATE ONE AT TECHNOLOGY CONTROLLER & ONE AT CENTER BOARD MEMBER DESK. VERIFY LOCATIONS PRIOR TO ROUGH-IN. PROGRAM TO OVERRIDE THE TWO DOOR STATIONS.
4. RE-USE EXISTING LIGHTING CIRCUIT AVAILABLE FROM DEMOLITION.
5. PROVIDE NEW CIRCUIT FROM GENERATOR PANEL E2.
6. PROVIDE (3) 20A/1P CIRCUIT BREAKERS IN (E) PANEL 'E2' EGRESS LIGHTING.

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A1
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Lighting Plan - Second Floor

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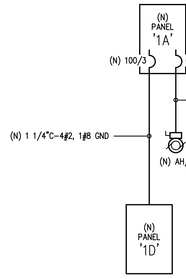
PANEL '1D' SCHEDULE

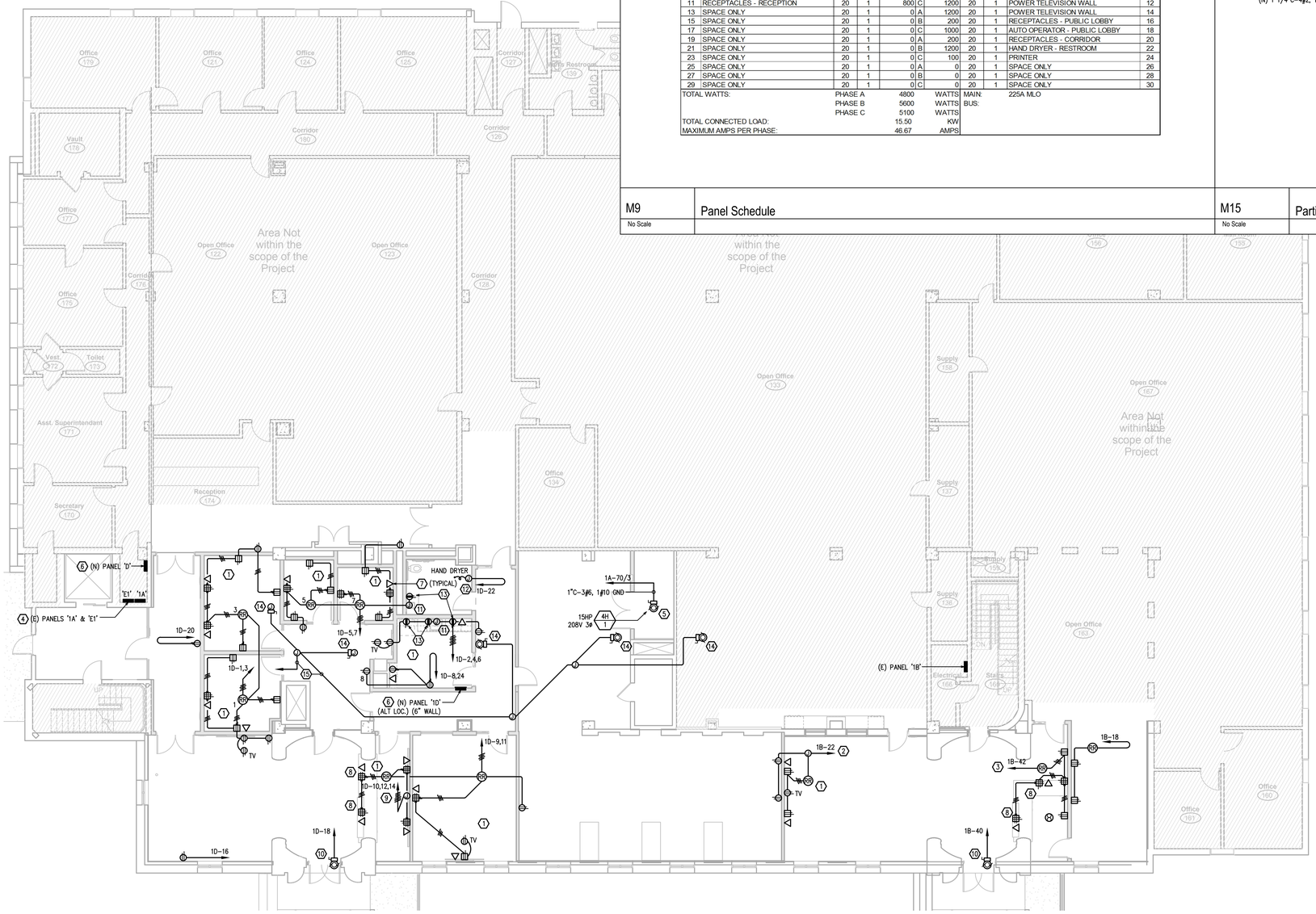
120/208V 3ø 4W — INDOOR/RECESSED

CIRC NO	DESCRIPTION	BREAKER AMPS	BREAKER POLE	WATTS	PH	WATTS	BREAKER AMPS	BREAKER POLE	DESCRIPTION	CIRC NO
1	RECEPTACLES - OFFICE	20	1	1000	A	1000	20	1	RECEPTACLES - BREAK ROOM	2
3	RECEPTACLES - OFFICE	20	1	1000	B	1000	20	1	RECEPTACLES - BREAK ROOM	4
5	RECEPTACLES - OFFICE	20	1	1000	C	1000	20	1	RECEPTACLES - BREAK ROOM	6
7	RECEPTACLES - OFFICE	20	1	1000	A	400	20	1	RECEPTACLES - BREAK ROOM	8
9	RECEPTACLES - CONFERENCE	20	1	1000	B	1200	20	1	POWER TELEVISION WALL	10
11	RECEPTACLES - RECEPTION	20	1	800	C	1200	20	1	POWER TELEVISION WALL	12
13	SPACE ONLY	20	1	0	A	1200	20	1	POWER TELEVISION WALL	14
15	SPACE ONLY	20	1	0	B	200	20	1	RECEPTACLES - PUBLIC LOBBY	16
17	SPACE ONLY	20	1	0	C	1000	20	1	AUTO OPERATOR - PUBLIC LOBBY	18
19	SPACE ONLY	20	1	0	A	200	20	1	RECEPTACLES - CORRIDOR	20
21	SPACE ONLY	20	1	0	B	1200	20	1	HAND DRYER - RESTROOM	22
23	SPACE ONLY	20	1	0	C	100	20	1	PRINTER	24
25	SPACE ONLY	20	1	0	A	0	20	1	SPACE ONLY	26
27	SPACE ONLY	20	1	0	B	0	20	1	SPACE ONLY	28
29	SPACE ONLY	20	1	0	C	0	20	1	SPACE ONLY	30
TOTAL WATTS:		PHASE A		4800	WATTS	MAIN:			225A MLO	
		PHASE B		5600	WATTS	BUS:				
		PHASE C		5100	WATTS					
TOTAL CONNECTED LOAD:				15.50	KW					
MAXIMUM AMPS PER PHASE:				46.67	AMPS					

M9 — Panel Schedule — No Scale



M15 — Partial Single Line Diagram — No Scale



N

A1 — Power Plan - First Floor — 1/8" = 1'-0"

DSA File No.: *10-119*

DSA Application No.: *02-119598*

Agency Approval

DRAWING KEY NOTES

1. PROVIDE NEW POWER & COMPLETE & OPERATING NLIGHT RECEPTACLE SWITCHING CONTROLS WITH ALL REQUIRED RELAY PACKS, BRIDGES, GATEWAYS, & CONNECTIONS TO LIGHTING SYSTEM CONTROLS.
2. REUSE EXISTING CIRCUITS AVAILABLE FROM DEMOLITION.
3. PROVIDE NEW CIRCUIT FROM EXISTING SPARE.
4. EXISTING PANEL '1A'. PROVIDE NEW 70A/3P CIRCUIT BREAKER IN PLACE OF EXISTING 20A/3P FOR NEW AIR HANDLER. PROVIDE NEW 100A/3P CIRCUIT BREAKER IN PLACE OF CIRCUITS 30, 32, 34 FOR NEW SUBPANEL '1D'.
5. CONNECT NEW AIR HANDLER, PROVIDE NEW FEEDER TO PANEL '1A'.
6. PROVIDE NEW SUBPANEL '1D' IN ELECTRICAL ROOM WITH 1 1/4"C-4#2, 1#8 GND TO EXISTING PANEL '1A'. IF CODE CLEARANCE NOT AVAILABLE, LOCATE IN BREAK ROOM.
7. PROVIDE (3) CAT6 JACK DATA OUTLET WITH 1 1/4"C TO CEILING & (3) CAT6 DATA JACKS TO DATA IDF. (TYPICAL).
8. COORDINATE OUTLET LOCATIONS WITH CASEWORK.
9. PROVIDE POWER CONNECTIONS AT TV WALL. VERIFY EXACT REQUIREMENTS.
10. CONNECT POWER AND CONTROLS FOR MOTORIZED DOOR. VERIFY EXACT REQUIREMENTS.
11. CONNECT ELECTRICALLY POWERED SINK AS REQUIRED.
12. CONNECT HAND DRYER, VERIFY VOLTAGE.
13. LOCATE ABOVE COUNTER AT +40".
14. CONNECT NEW VARIABLE VOLUME HEAT COIL, 1500W, 208V 3Ø, TAP 50 AMP 208V 3Ø CIRCUIT WITH 3/4:C-3#12, 1#12 GND & PROVIDE 15A/3P ENCLOSED CIRCUIT BREAKER OR 15A FUSED DISCONNECT.
15. INTERCEPT EXISTING DUCT FURNACE 208V, 3Ø, 50A BRANCH CIRCUIT FROM DEMOLITION & EXTEND 1"C-3#6, 1#10 GND TO NEW VARIABLE VOLUME HEAT COILS.

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www.hardin-davidson.com
Consultant

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No.	Revision/Submission	Date

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Sheet: _____ of: _____

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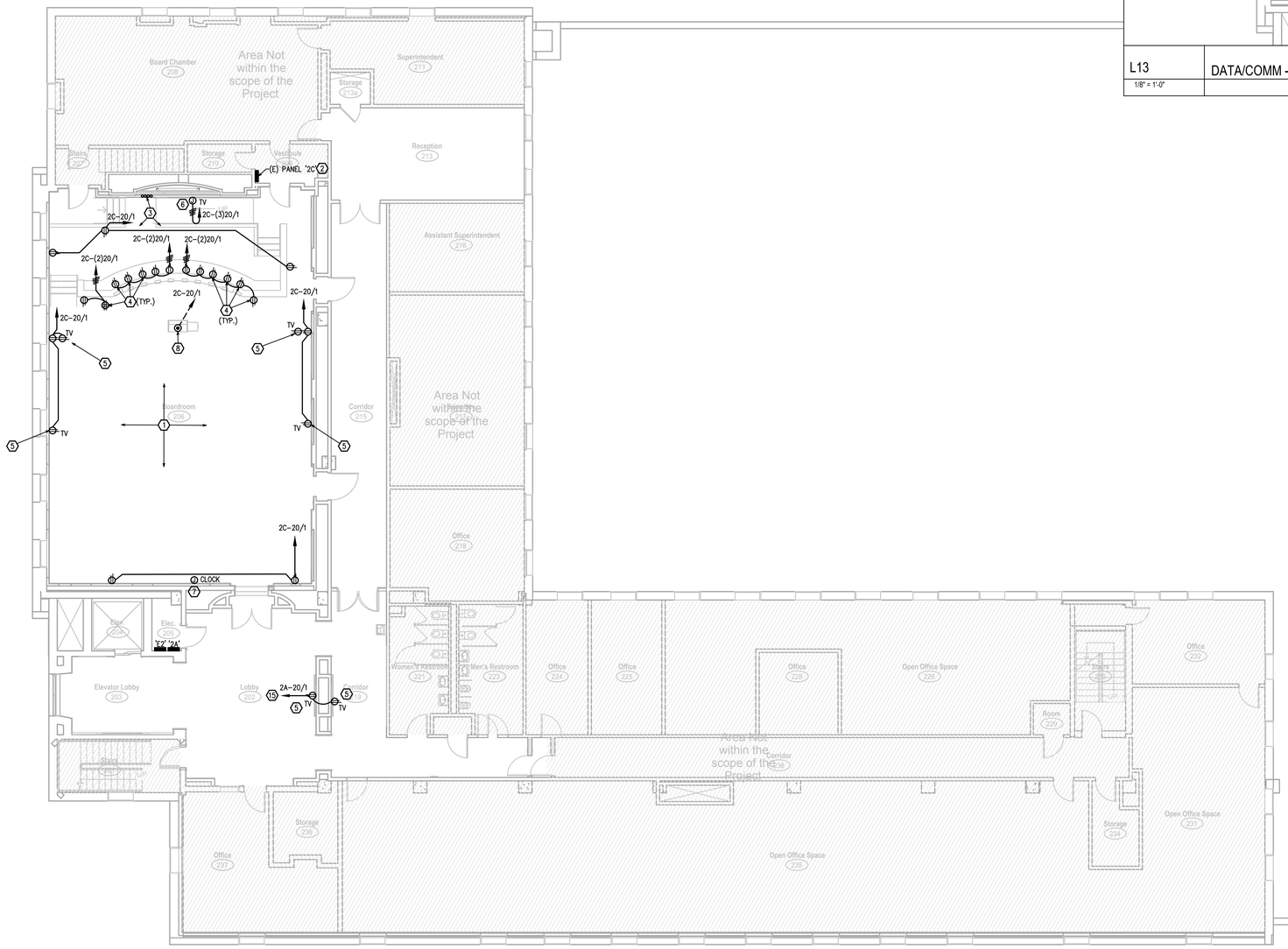

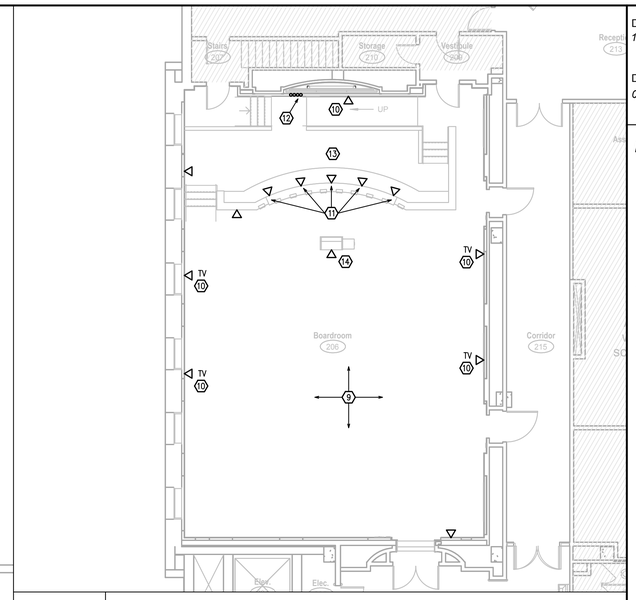

L13
1/8" = 1'-0"

DATA/COMM - Second Floor

N

A1
1/8" = 1'-0"

Power Plan - Second Floor

DSA File No.:
10-119

DSA Application No.:
02-119598

Agency Approval

DRAWING KEY NOTES

1. PROVIDE ALL NEW CONCEALED WIRING & FLUSH OUTLETS FOR BOARDROOM.
2. EXISTING PANEL '2C'. USE EXISTING CIRCUITS FROM DEMOLITION & EXISTING SPARES FOR NEW BOARDROOM CIRCUITS
3. RUN NEW WIRING UNDER NEW RAISED PLATFORM, RISE UP WALL, & TO EXISTING PANEL '2C'
4. LOCATE OUTLETS IN NEW CASE & CABINET WORK.
5. LOCATE FOR NEW WALL TV.
6. CONNECT MULTIPLE WALL TV SYSTEM AS REQUIRED.
7. EXISTING WALL CLOCK, INVESTIGATE IF OPERATING.
8. PROVIDE FLUSH FLOOR POKE THROUGH FLOOR OUTLET WITH DUPLEX RECEPTACLE, (3) CAT 6 JACK DATA OUTLET, & SPACE FOR AV JACKS. LEGRAND EVOLUTION 6" SERIES.
9. PROVIDE ALL NEW DATA OUTLETS. EACH WITH (3) CAT 6 JACKS & (3) CAT 6 CABLES TO DATA IDF. PROVIDE CONCEALED 1-1/4"C TO CEILING SPACE FOR WALL OUTLETS.
10. LOCATE AT WALL TV.
11. LOCATE IN CASE WORK.
12. PROVIDE (2) 4"C FROM UNDER PLATFORM, UP WALL, AND TO STORAGE ROOM CEILING SPACE FOR DATA CABLING.
13. RUN CABLING UNDER NEW RAISED PLATFORM.
14. PROVIDE DATA OUTLET IN FLOOR BOX, RUN CABLING IN 1ST FLOOR CEILING SPACE & TO DATA IDF.
15. TO EXISTING PANEL 2A. PROVIDE 2A/1P CIRCUIT BREAKER.

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 tel • 559.323.4928 fax
www.hardin-davidson.com
R.J. HARDIN No. 9125 REGISTERED PROFESSIONAL ENGINEER ELECTRICAL STATE OF CALIFORNIA
Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

POWER PLAN - SECOND FLOOR
Drawing

darden architects
ARCHITECTURE
PLANNING
INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
LICENSED ARCHITECT RICHARD J. HARDIN No. C26235 Exp. 10-31-2023 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

	Designed By: RH	Copyright 2022 Darden Architects
Scale: As indicated	Drawn By: HDE	
Project Number: 1947.IDA	Checked By: RH	A/E202
Date: 03/30/2022	Reviewed By: RH	Sheet: _____ of: _____

3/30/2022 2:00:45 PM
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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	FUSD Ed Center Remodel	Report Page:	(Page 1 of 7)
Project Address:	1350 M St	Date Prepared:	3/30/2022

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.

A. GENERAL INFORMATION

01	Project Location (city)	Fresno		04	Total Conditioned Floor Area (ft²)	10,770	
02	Climate Zone	13		05	Total Unconditioned Floor Area (ft²)	0	
03	Occupancy Types Within Project (select all that apply):			06	# of Stories (Habitable Above Grade)	1	
☒ Office	☐ Retail	☐ Warehouse	☐ Hotel/Motel	☐ School	☐ Support Areas		
☐ Parking Garage	☐ High-Rise Residential	☐ Relocatable	☐ Healthcare	☐ 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	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☐ New Lighting System				
☐ New Lighting System - Parking Garage				
☒ Altered Lighting System	Area Category Method	10770	Area Category Method	0
Total Area of Work (ft²)	10770		0	

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-03-30 13:43:54

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

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	FUSD Ed Center Remodel	Report Page:	(Page 2 of 7)
Project Address:	1350 M St	Date Prepared:	3/30/2022

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	09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	=	Total Allowed (Watts)	Total Designed (Watts)	Adjustments 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		7,000.5	0		=	7,000 ≥	4,146.9	0	=	4146.9	COMPLIES
Unconditioned					=	≥			=		
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

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.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3	Design Watts	Field Inspector	
									Pass	Fail
A/AE	31.7w 2x4 Recessed Troffer	No	No	31.7	CEC Default	26	No	824.2	☐	☐
A1	26.7w Recessed LED	No	No	26.7	Mfr. Spec	1	No	26.7	☐	☐

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-03-30 13:43:54

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

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	FUSD Ed Center Remodel	Report Page:	(Page 3 of 7)
Project Address:	1350 M St	Date Prepared:	3/30/2022

F. INDOOR LIGHTING FIXTURE SCHEDULE

B	27w Recessed LED	No	No	27	Mfr. Spec	65	No	1,755	☐	☐
C8	44.8w Recessed LED	No	No	44.8	CEC Default	1	No	44.8	☐	☐
D16E	89.6w Recessed LED	No	No	89.6	CEC Default	1	No	89.6	☐	☐
D2	11.8w Recessed LED	No	No	11.8	CEC Default	2	No	23.6	☐	☐
D24	134.4w Recessed LED	No	No	134.4	CEC Default	1	No	134.4	☐	☐
D8/D8E	44.8w Recessed LED	No	No	44.8	CEC Default	4	No	179.2	☐	☐
F	13.7w Wall Mounted LED	No	No	13.7	CEC Default	12	No	164.4	☐	☐
G	13.7w Pendant Light	No	No	13.7	CEC Default	18	No	246.6	☐	☐
G2	14.0w Surface Mounted LED	No	No	14	CEC Default	8	No	112	☐	☐
H/HE	12w Recessed LEC	No	No	12	CEC Default	11	No	132	☐	☐
J/JE	10.6 Recessed Downlight	No	No	10.6	CEC Default	15	No	159	☐	☐
K	12w Recessed LEC	No	No	12	CEC Default	10	No	120	☐	☐
L	4.2w/ft Tape Light	No	No	52.5	CEC Default	2	No	105	☐	☐
M	15.2w Wall Mounted LED	No	No	15.2	CEC Default	2	No	30.4	☐	☐
							Total Designed Watts: CONDITIONED SPACES	4,146.9		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column D5.*

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

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-03-30 13:43:54

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

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	FUSD Ed Center Remodel	Report Page:	(Page 4 of 7)
Project Address:	1350 M St	Date Prepared:	3/30/2022

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	
		Pass	Fail
Not Required <= 10,000 SF	Whole Building Other	☐	☐

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/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector	
								Pass	Fail
All areas	All Other Space Types	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐

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

13

Plan Sheet Showing Daylit Zones:

E101 & E102

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 .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Fusd Ed Center	Office greater than 250 square feet	0.65	10,770	7,000.5	No	No

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-03-30 13:43:54

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

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	FUSD Ed Center Remodel	Report Page:	(Page 5 of 7)
Project Address:	1350 M St	Date Prepared:	3/30/2022

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

TOTALS:	10,770	7,000.5	See Tables J, 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.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-03-30 13:43:54

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

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	FUSD Ed Center Remodel	Report Page:	(Page 6 of 7)
Project Address:	1350 M St	Date Prepared:	3/30/2022

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/NRCI/

Yes	No	Form/Title	Field Inspector	
			Pass	Fail
●	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
○	●	NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐
○	●	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.	☐	☐
○	●	NRCI-LTI-05-E- Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐	☐
○	●	NRCI-LTI-06-E- Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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	Fail
●	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
●	○	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	●	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	●	NRCA-LTI-05-A. - Must be submitted for institutional tuning power adjustment factor (PAF)	☐	☐

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-03-30 13:43:54

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

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	FUSD Ed Center Remodel	Report Page:	(Page 7 of 7)
Project Address:	1350 M St	Date Prepared:	3/30/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Richard J. Hardin	Documentation Author Signature:
Company: Hardin-Davidson Engineering	Signature Date: 2022-03-30
Address: 356 Pollasky Ave., Suite 200	CEA/ HERS Certification Identification (if applicable): E9125
City/State/Zip: Clovis CA 93612	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

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

Responsible Designer Name: Richard Hardin	Responsible Designer Signature:
Company: Hardin-Davidson Engineering	Date Signed: 2022-03-30
Address: 356 Pollasky Ave Suite 200	License: E9125
City/State/Zip: Fresno CA 93612	Phone: (559) 323-4995

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-03-30 13:43:54

DSA File No.: *10-119*

DSA Application No.: *02-119598*

Agency Approval

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 tel • 559.323.4928 fax
www.hardin-davidson.com
Consultant

REGISTERED PROFESSIONAL ENGINEER R. J. HARDIN No. 9125 ELECTRICAL STATE OF CALIFORNIA

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

TITLE 24 COMPLIANCE FORMS - INDOOR LIGHTING
Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

LICENSED ARCHITECT ANTONIO J. ALVES No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

	Designed By: RH	Copyright 2022 Darden Architects
Scale: As indicated	Drawn By: HDE	A/E301
Project Number: 1947. IDA	Checked By: RH	
Date: 03/30/2022	Reviewed By: RH	Sheet: _____ of: _____

A1
NO SCALE
Title 24 Compliance Forms - Indoor Lighting

3/30/2022 2:00:46 PM
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STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: FUSD Ed Center Remodel	Report Page:	Page 1 of 4
Project Address: 1350 M St.	Date Prepared:	02/25/2022

A. GENERAL INFORMATION

01 Project Location (city)		02 Occupancy Types Within Project:			
☐ Office	☐ Retail	☐ Warehouse	☐ Hotel/ Motel	☐ School	☐ Support Areas
☐ Parking Garage	☐ High-Rise Residential	☐ Relocatable	☐ Healthcare Facilities	☐ Other (Write In):	

B. PROJECT SCOPE

Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06
					Demand Response Controls
Electrical Service Designation/ Description	Scope of Work[1]	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a)[2]	System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b)	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.
Existing	Add/Alt to feeders and branch circuits only		☑	☐	

[1] FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.
[2] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

C. COMPLIANCE RESULTS

Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D. for guidance and review the Table that indicates "No".

01		02		03		04	05
Service Electrical Metering §130.5(a)	AND	Separation for Monitoring §130.5(b)	AND	Voltage Drop §130.5(c)	AND	Controlled Receptacles §130.5(d)	**Compliance Results**
(See Table F)		(See Table G)		(See Table H)		(See Table I)	
	AND		AND		AND		**COMPLIES with Exceptional Conditions**

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: FUSD Ed Center Remodel	Report Page:	Page 2 of 4
Project Address: 1350 M St.	Date Prepared:	02/25/2022

D. EXCEPTIONAL CONDITIONS

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

Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.
Table H. indicates voltage drop calculations will be provided by the contractor.

E. ADDITIONAL REMARKS

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

F. SERVICE ELECTRICAL METERING

This Section Does Not Apply

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This Section Does Not Apply

H. VOLTAGE DROP

Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2PIII.

01	02		03	04	05	
Electrical Service Designation/ Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method		Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
					Pass	Fail
Existing	☑ Voltage drop < 5%	☐ Permitted by CA Elec Code (Exception to §130.5(c))*	Contractor Responsible		☐	☐

**NOTES If "Permitted by CA Elec Code*" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*
[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This Section Does Not Apply

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: FUSD Ed Center Remodel	Report Page:	Page 3 of 4
Project Address: 1350 M St.	Date Prepared:	02/25/2022

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
◉	○	NRCI-ELC-01-E - Must be submitted for all buildings.	☐	☐

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: FUSD Ed Center Remodel	Report Page:	Page 4 of 4
Project Address: 1350 M St.	Date Prepared:	02/25/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Richard J. Hardin	Documentation Author Signature:	
Company:	Hardin-Davidson Engineering	Signature Date:	02/25/2022
Address:	356 Pollasky Ave., Suite 200	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Clovis CA 93612	Phone:	

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

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

Responsible Designer Name:	Richard J. Hardin	Responsible Designer Signature:	
Company :	Hardin-Davidson Engineering	Date Signed:	02/25/2022
Address:	356 Pollasky Ave., Suite 200	License:	E-9125
City/State/Zip:	Clovis CA 93612	Phone:	

DSA File No.:
10-119

DSA Application No.:
02-119598

Agency Approval

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 tel • 559.323.4928 fax
www.hardin-davidson.com
REGISTERED PROFESSIONAL ENGINEER R. J. HARDIN No. 9125 ELECTRICAL STATE OF CALIFORNIA
Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA
Project

TITLE 24 COMPLIANCE FORMS - POWER DISTRIBUTION
Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
LICENSED ARCHITECT ANTONIO J. ALVAREZ No. C26235 Exp. 10-31-23 STATE OF CALIFORNIA
Architect

No.	Revision/Submission	Date

Revision

	Designed By: RH	Copyright 2022 Darden Architects
Scale: As indicated	Drawn By: HDE	
Project Number: 1947. IDA	Checked By: RH	*A/E302*
Date: 03/30/2022	Reviewed By: RH	Sheet: _____ of: _____

A1
NO SCALE
Title 24 Compliance Forms - Power Distribution

3/30/2022 2:01:02 PM
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