

GENERAL INFORMATION

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- G101 REGULATORY COMPLIANCE FLOOR PLAN- FIRST FLOOR
- G102 REGULATORY COMPLIANCE FLOOR PLAN- SECOND FLOOR

ARCHITECTURAL

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- X/A201 INTERIOR AND EXTERIOR FINISH SCHEDULE
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- A/A202 DEMOLITION REFLECTED CEILING PLAN - SECOND FLOOR
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- A/A602 INTERIOR ELEVATIONS- ROOMS 106 - 112
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STRUCTURAL

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- X/S102 TYPICAL CONCRETE & TIMBER NOTES & DETAIL

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- 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-15: Title 5-Education
 CCR-16: Title 8-Industrial Safety
 CCR-19: 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 14, 2016 Edition, The Installation of Automatic Sprinkler Systems
 NFPA 24, 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:

- 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.
- 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

Board Room Remodel
Fresno Unified School District
 Fresno, CA

Darden Project Number: 1947.IDA
 Date: 03/22/2022

ELECTRICAL
 Hardin-Davidson Engineering
 1000 S. Suite 200
 Clovis, CA 93612
 T (559) 322-4985
 F (559) 322-4928

MECHANICAL
 Lawrence Engineering Group
 1000 S. Suite 101
 Fresno, CA 93720
 (559) 437-0101

STRUCTURAL
 Brooks Remodel Associates
 1000 S. Suite 100
 Fresno, CA 93711
 T (559) 449-8444
 F (559) 449-8404

ARCHITECTURAL
 Darden Architects, Inc.
 6790 N. West Avenue
 Fresno, CA 93711
 T (559) 448-8051
 F (559) 446-1785

Project Information

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

ARCHITECT

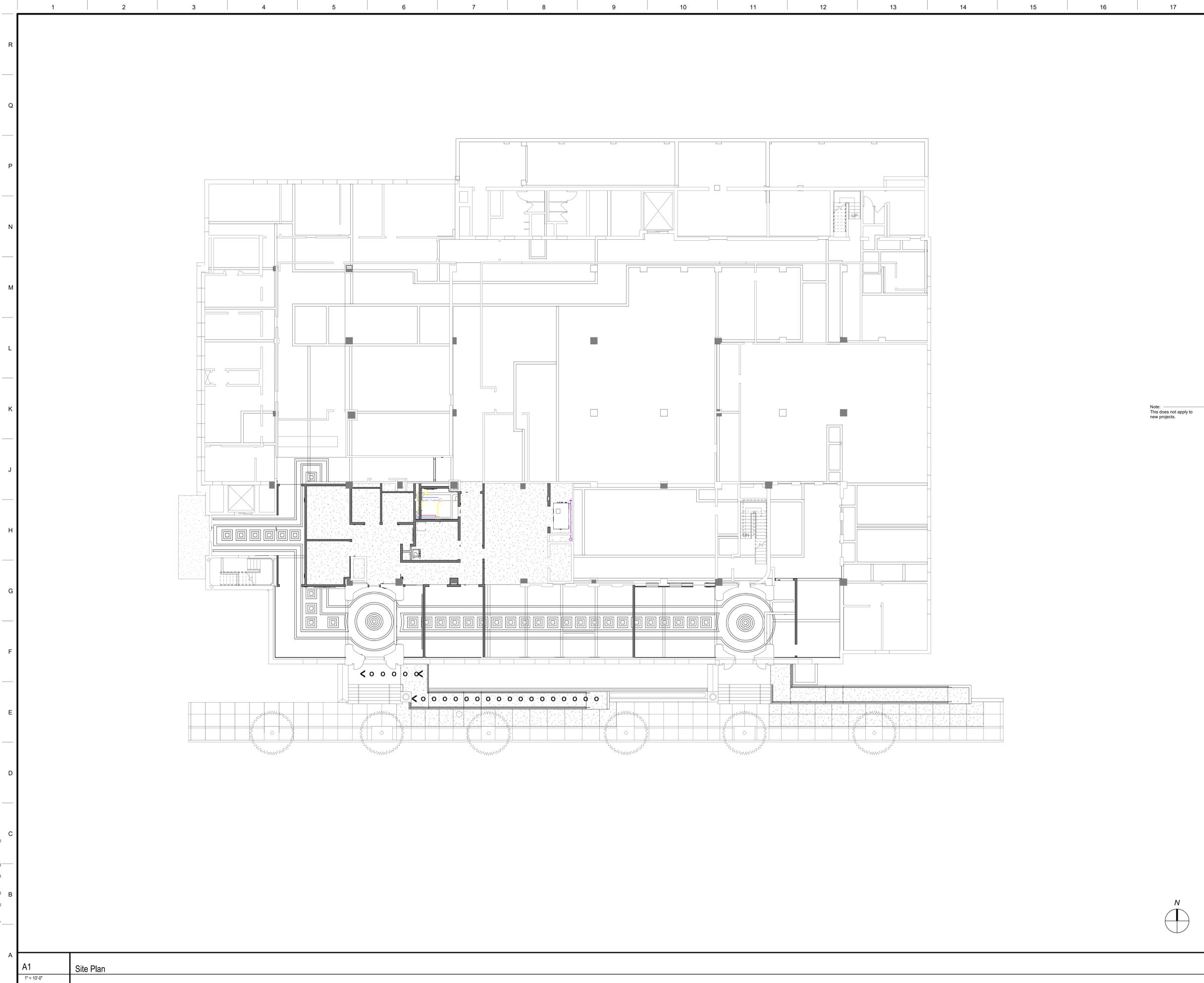
No.	Revision/Submission	Date

Revision

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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 Separation / Fire Wall
- 4 Hr. Rated Area & Construction Separation / Fire Wall
- Accessible Path of Travel
- Fire Truck Access Lane
- FH PLUMBING, Fire Hydrant (FH)
- FDC PLUMBING, Fire Department Connection (FDC) (Siamese)
- PV PLUMBING, Post Indicator Valve (PIV)
- BUILDING OUTLINE
- Accessible Restroom Location:
 - B = Boys
 - G = Girls
 - M = Men
 - W = Women
 - U = Unisex
 - S = Staff

ABBREVIATIONS

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

- NOTES**
- Site Gates, Site Ramps, and Site Stair locations in the "Path of Travel" are indicated on Drawing REGULATORY COMPLIANCE SITE PLAN and FLOOR PLAN
 - 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" below the walking surface.
 - 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 attention of the Architect.
 - 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.

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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Architect

No.	Revision/Submission	Date

Revision

Designed Designer: _____ Copyright 2022 Darden Architects

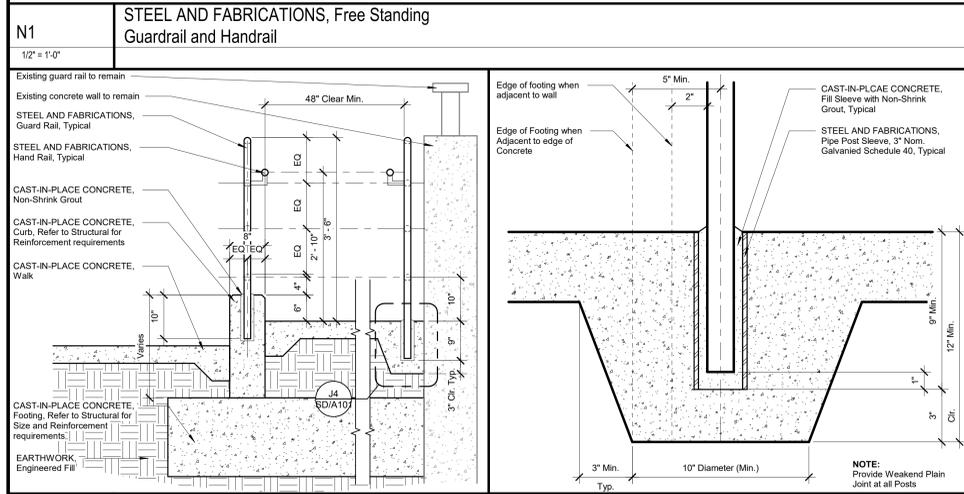
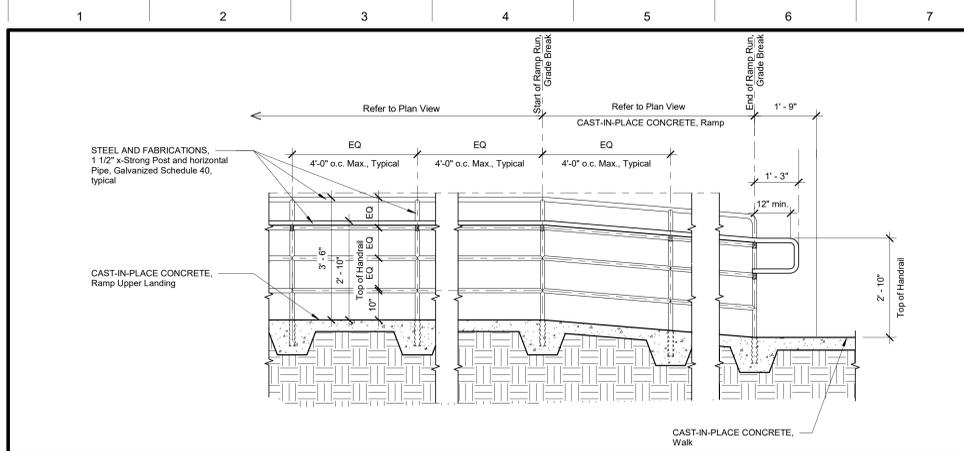
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Project Number: 1947.IDA Checked: Checker

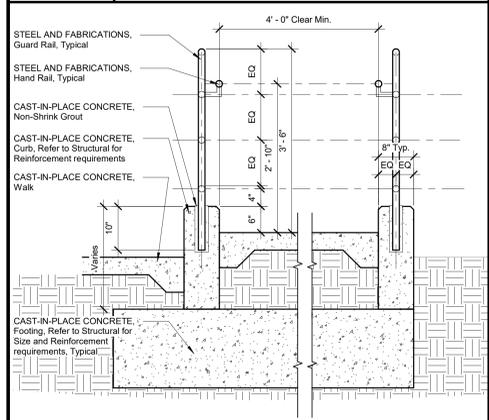
Date: 03/22/2022 Review: Approver

A1 Site Plan
 1" = 10'-0"

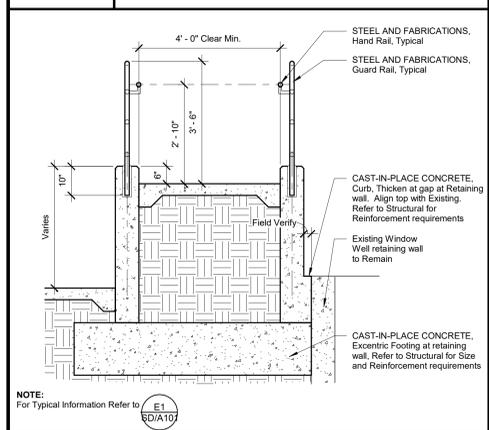




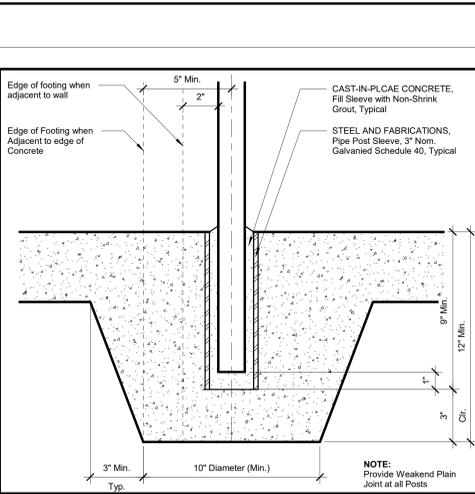
N1 1/2" = 1'-0"
STEEL AND FABRICATIONS, Free Standing Guardrail and Handrail



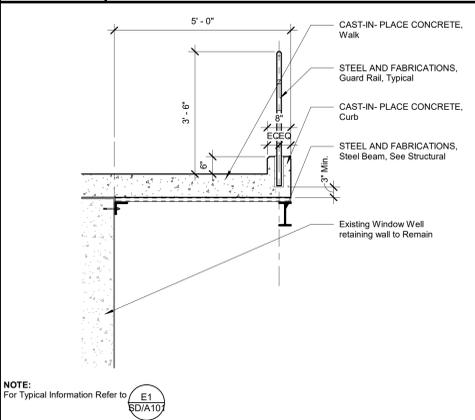
J1 3/4" = 1'-0"
CAST-IN-PLACE CONCRETE, Ramp Section



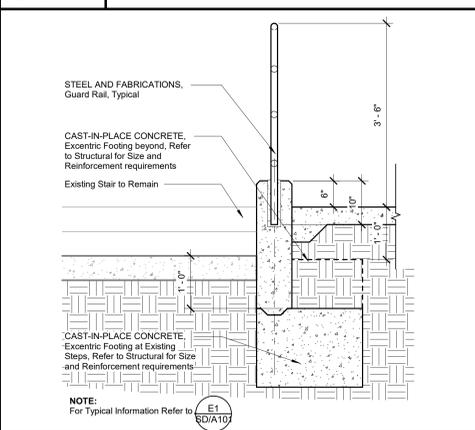
A1 3/4" = 1'-0"
CAST-IN-PLACE CONCRETE, Ramp Section



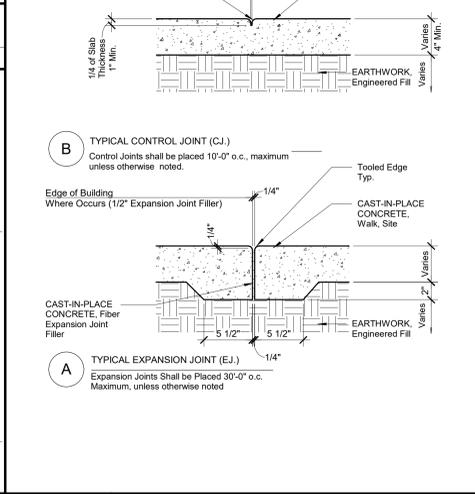
J4 3" = 1'-0"
STEEL AND FABRICATIONS, Guardrail Footing



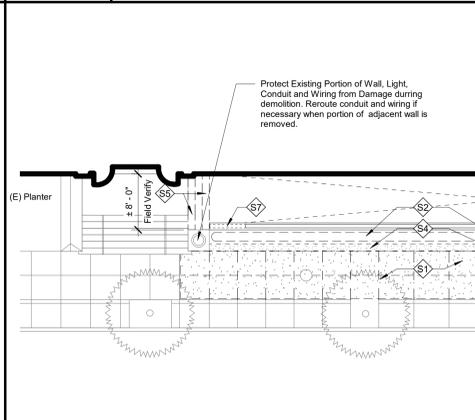
E4 1/2" = 1'-0"
CAST-IN-PLACE CONCRETE, Ramp Section



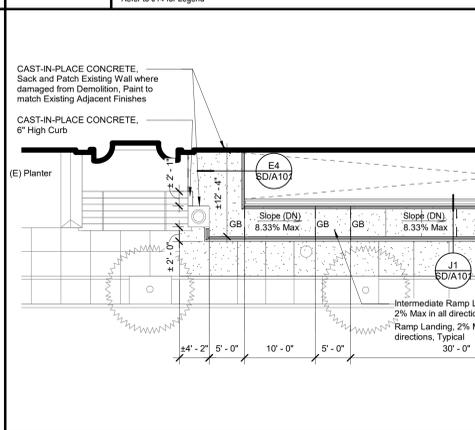
A4 3/4" = 1'-0"
CAST-IN-PLACE CONCRETE, Curb



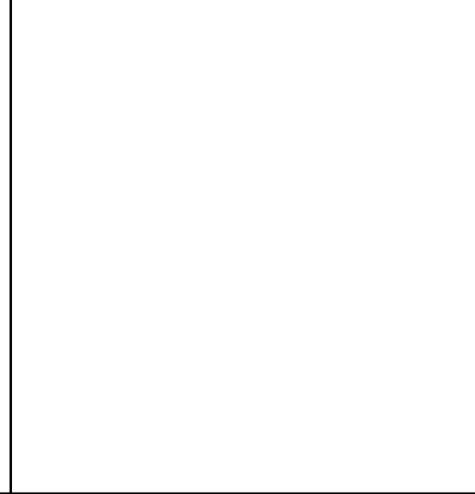
J7 1 1/2" = 1'-0"
CAST-IN-PLACE CONCRETE, Walk Sections



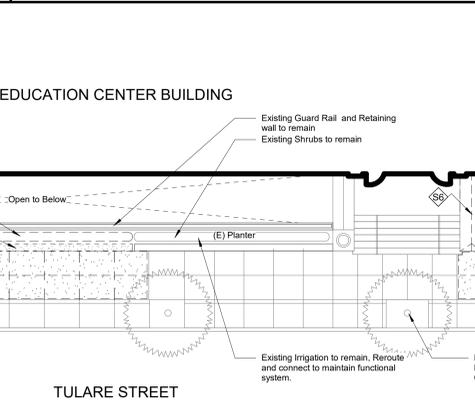
E7 1" = 10'-0"
Demolition Site Plan
Refer to J14 for Legend



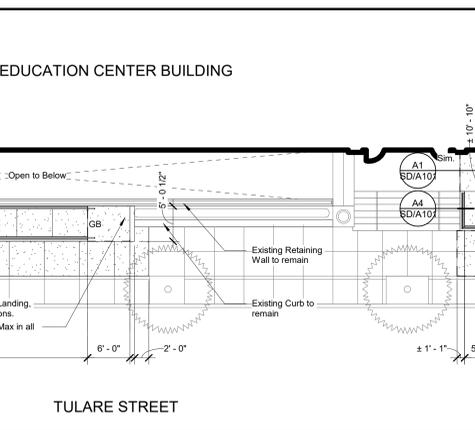
A7 1" = 10'-0"
Site Plan
Refer to F18 for Legend



J14 No Scale
Demolition Partial Site Plan Legend



E1 3/4" = 1'-0"
CAST-IN-PLACE CONCRETE, Ramp Section



A4 3/4" = 1'-0"
CAST-IN-PLACE CONCRETE, Curb

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 Tree
- Demolition Note Symbol
- Existing Building

DEMOLITION NOTES

- CLEARING AND DEMOLITION. Sawcut Existing Concrete as required for new improvements, Typical
- 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
- 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
- CLEARING AND DEMOLITION. Remove and Dispose of Existing Concrete Curb
- CLEARING AND DEMOLITION. Remove and Dispose of Existing Concrete Wall and Wall Cap to below elevation of new walk and curb.
- CLEARING AND DEMOLITION. Remove and Dispose of Existing Concrete Walk and Footing. Refer to Structural for Extent of Soil removal required for new work.
- CLEARING AND DEMOLITION. Remove and Dispose of Existing guard rail to the closest support in area to remain. Salvage end piece and reinstall at new railing end.

GENERAL NOTES

- Demolition to be in Compliance with the California Fire Code, Chapter 14 - Fire Safety During Construction and Demolition
- 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 system shall remain in operation during construction
- Protect all Adjacent finishes during demolition and Construction. Contractor shall repair any damaged area and bring back finish to match existing adjacent.

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
- PVC Irrigation Sleeve
- Grade Break
- Existing
- Drainage Swale
- General Direction of Slope
- ELECTRICAL, Existing Light Pole
- CAST-IN-PLACE CONCRETE, Control Joint
- CAST-IN-PLACE CONCRETE, Expansion Joint
- Finish Grade Contour
- STORM DRAINAGE, Catch Basin or Drain Box
- STORM DRAINAGE, Drain Box
- STORM DRAINAGE, Drain Inlet
- STORM DRAINAGE, Trench Drain
- PLUMBING, Fire Hydrant
- PLUMBING, Fire Department Connection (Siamese)
- PLUMBING, Post Indicator Valve
- PLUMBING, Clean Out
- CIVIL, Sewer Clean Out
- PLUMBING, Shut Off Valve
- ELECTRICAL, Pole Light Fixture
- ELECTRICAL, Bollard Light Fixture
- ELECTRICAL, Light Fixture, Directional
- ELECTRICAL & MECHANICAL, Utility Box

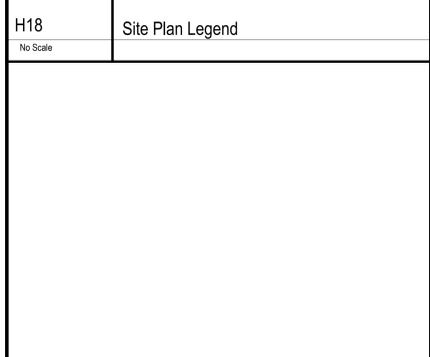
ABBREVIATIONS

(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	FM/FCD Fire/Metropolitan Flood Control District	SD Storm Drain
CB Catch Basin	FS Floor Sink	SL Site Lighting
CJ Control Joint	G Gas	S Signal
CM Communications	GT Gutter	SS Sanitary Sewer
COB Clean Out Box	GB Grade Break	TB Top of Bench
CW Cold Water	RG Rough Grade	TC Top of Curb
DB Drain Box	HG High Pressure Gas	TD Trench Drain
DI Drain Inlet	HL Hydronics Line	TG Top of Grate
DS Drainage Swale	INV N Invert North	TF Top of Fence
EMS Energy Management	INV NE Invert Northeast	TL Top of Lid
E Electrical Power	MH Manhole	TWB Top of Wall
EJ Expansion Joint, 1/2"	MS Mow Strip	Typ Typical
F Fire Protection	OC On Center	UNO Unless Noted Otherwise
FD Floor Drain	P1-P4 Pavement	VG Valley Gutter
FDC Fire Dept Connection	PIV Post Indicator Valve	W Waste

NOTES

- 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 SD/A101

H18 No Scale
Site Plan Legend



E7 1" = 10'-0"
Demolition Site Plan
Refer to J14 for Legend

Board Room Remodel
Fresno Unified School District
Fresno, CA

DEMOLITION SITE PLAN, SITE PLAN AND DETAILS
Drawing

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

ARCHITECT
No. C20205
STATE OF CALIFORNIA

No.	Revision/Submission	Date

Scale: As indicated
Project Number: 1947.IDA
Date: 03/22/2022

Designed Designer: Author
Checked: Checker
Review/Approver: Approver

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SD/A101

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

- TYPICAL NOTES**
- This schedule is provided for the convenience of the contractor. field verify all conditions and dimensions prior any fabrication
 - Schedule dimensions shall be considered nominal.
 - See Sheet X/A310 - X/A312 for casework attachment and details.
 - All details, materials, and finishes shall be considered typical for all similar conditions unless noted otherwise.
 - W.I. Number cabinet designs with suffix "M" shall be modified as indicated or detailed.
 - Provide all filler pieces, scribe strips, flush panels and closures, matching modular cabinetwork, required to complete cabinetwork assemblies and close the finish surfaces.
 - Provide cabinet door and drawer locks at all cabinets unless noted otherwise.
 - 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
 - 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.
 - 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.
 - 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.
 - See MODULAR CASEWORK specification for shelves, typical.

- REMARKS**
- NOT USED.
 - MODULAR CASEWORK, Custom Reception Desk, Refer to Detail 
 - Modification: Omit (1) Door to create open shelves below and (1) enclosed cabinet above. Refer to Interior Elevations.
 - Modification: MODULAR CASEWORK, Accessible Lavatory, Refer to Detail 
 - MODULAR CASEWORK, Custom Reception Desk, Refer to Detail 
 - MODULAR CASEWORK, Solid Surface Sills, Refer to Detail 
 - MODULAR CASEWORK, Custom Dias Desk, Refer to Detail 
 - MODULAR CASEWORK, Base Filler / Counter Support, to be designed around column and provide support to adjacent Counter Top. Verify (E) conditions prior to fabrication.
 - MODULAR CASEWORK, Mobile Lectern, Refer Detail 
 - MODULAR CASEWORK, Table, Refer Detail 

H18 Casework Schedule Legend

No Scale

General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

MODULAR CASEWORK SCHEDULE
Drawing



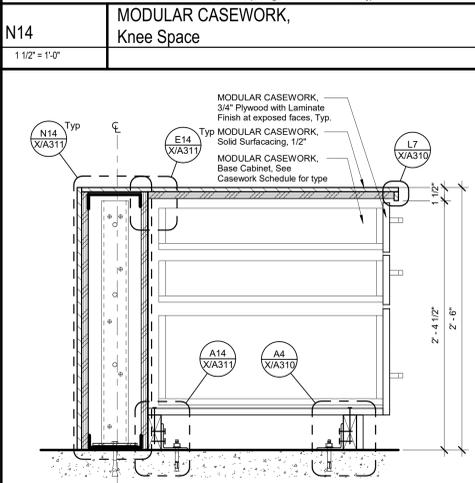
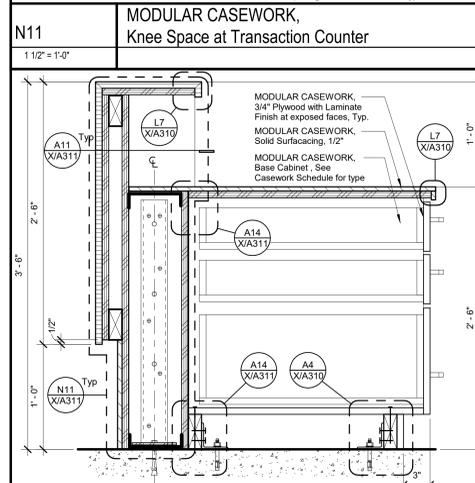
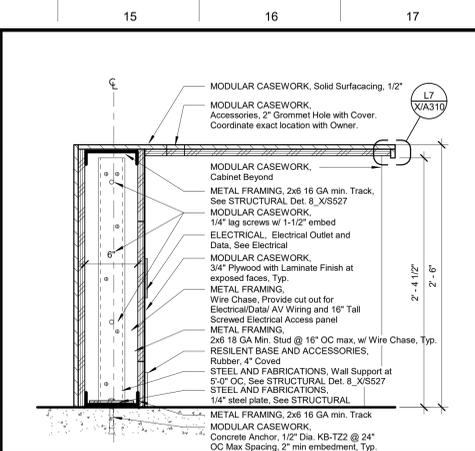
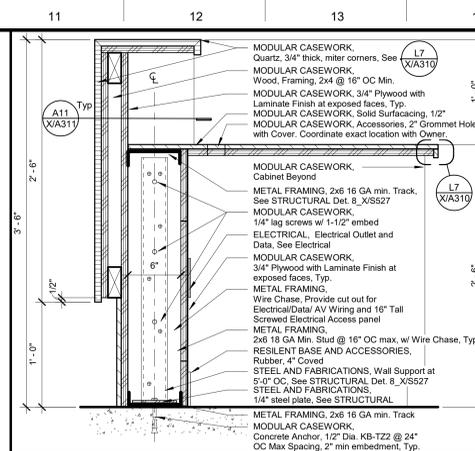
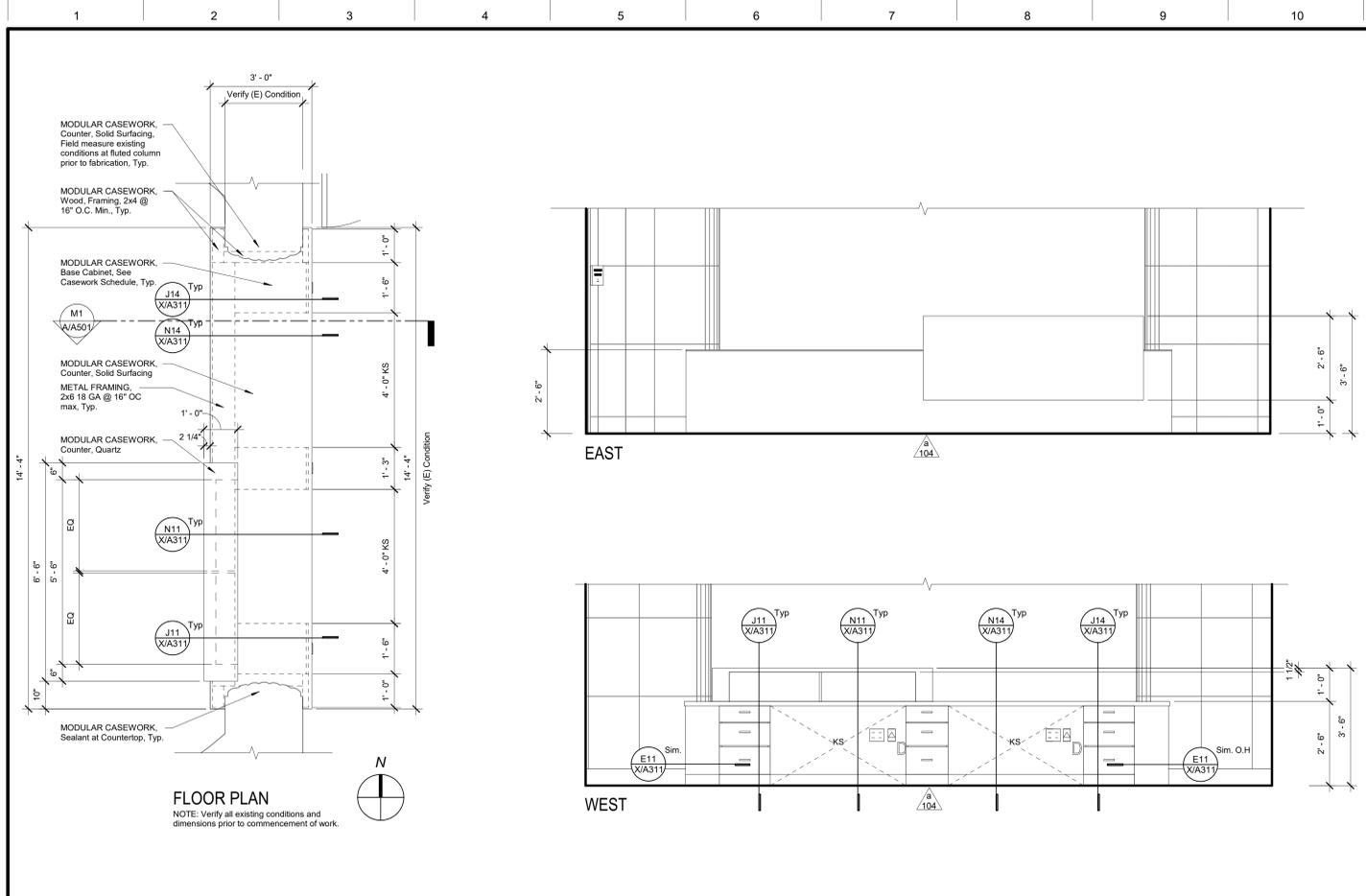
No.	Revision/Submission	Date

Revision

Designed Designer: _____
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Scale: 1/8" = 1'-0" Drawn By: Author
Project Number: 1947.IDA Checked By: _____
Date: 03/22/2022 Reviewer: _____

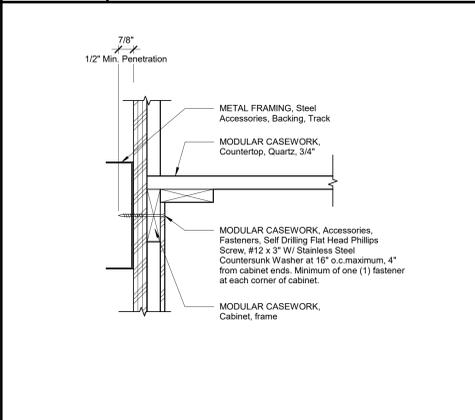
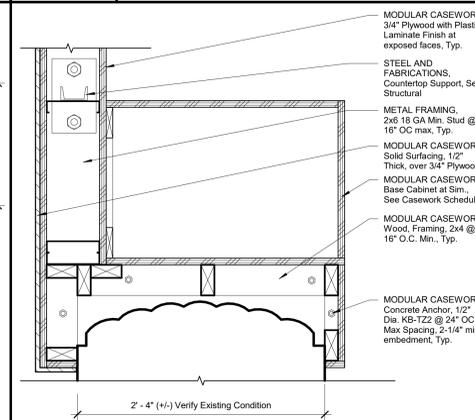
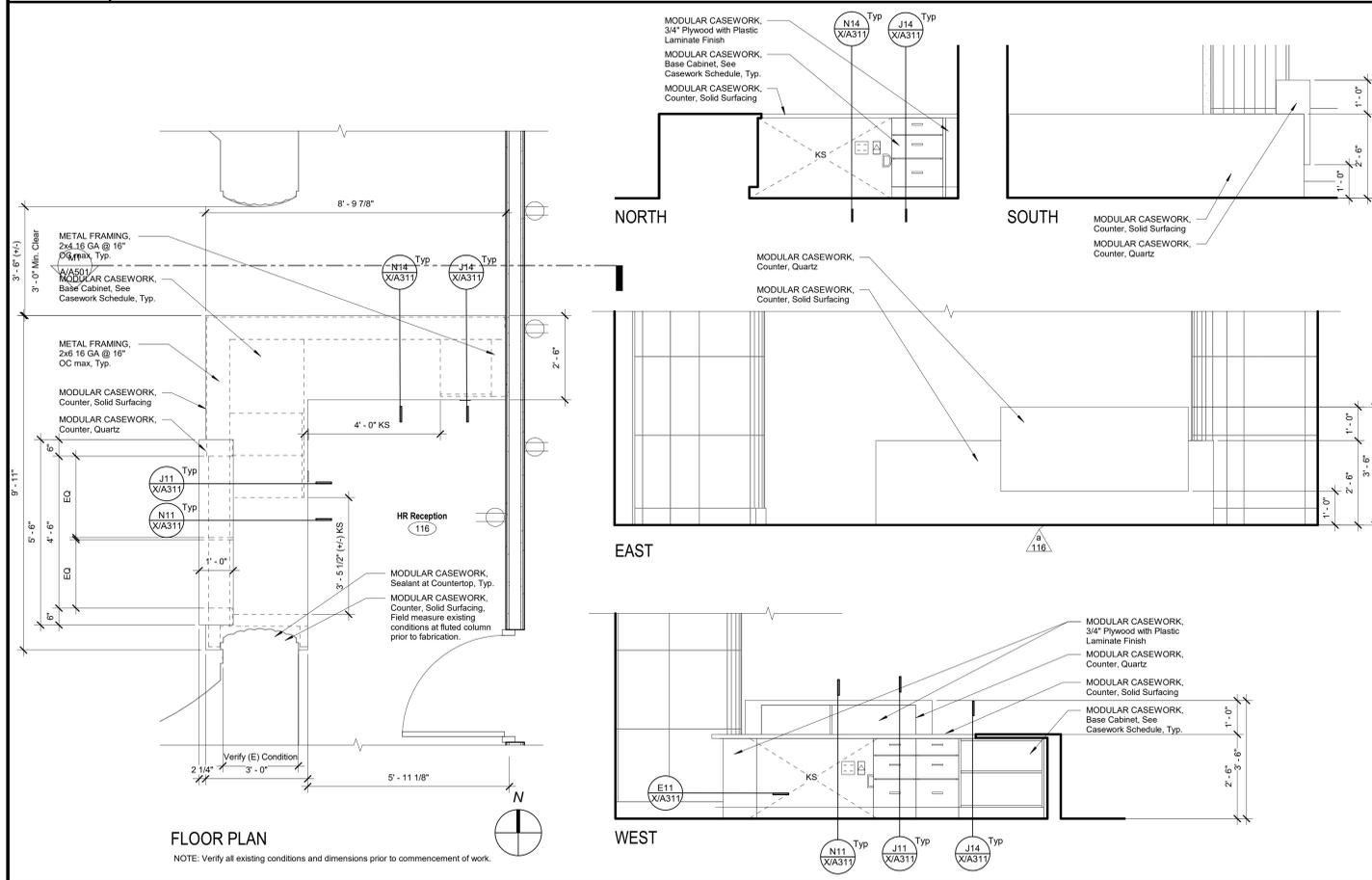
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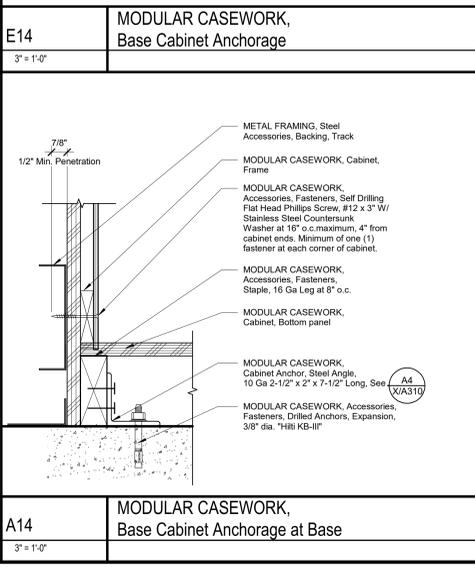
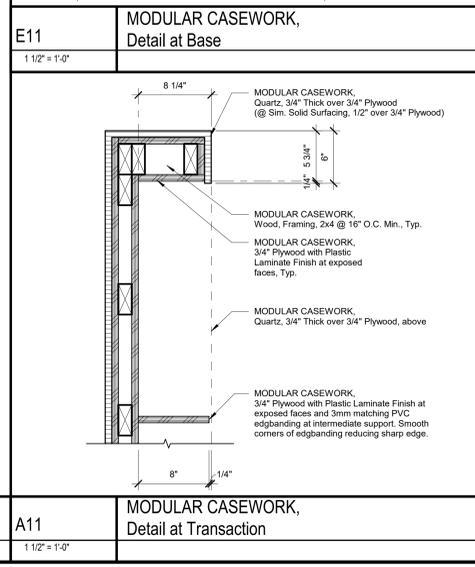
J1 Custom Casework - a104
1/2" = 1'-0"
Refer to Casework Schedule

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.



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



General Notes

MODULAR CASEWORK, Accessories, Fasteners, Self Drilling Flat Head Phillips Screw, #12 x 3" W/ Stainless Steel Countersunk Washer at 16" o.c. maximum, 4" from cabinet ends. Minimum of one (1) fastener at each corner of cabinet.

MODULAR CASEWORK, Cabinet, frame

Consultant

Project
Board Room Remodel
Fresno Unified School District
Fresno, CA

Drawing
MODULAR CASEWORK DETAILS- a104, a116

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No.	Revision/Submission	Date

Revision

Designed By: AF
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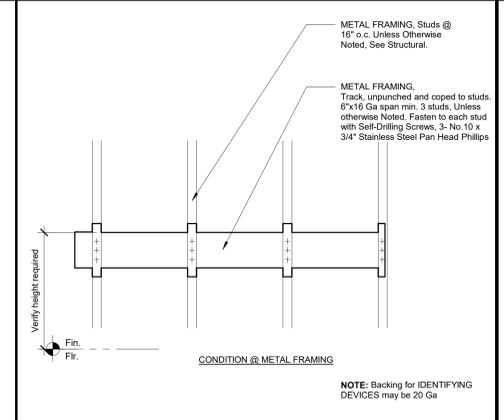
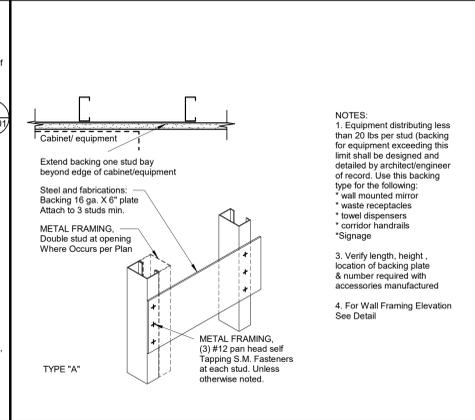
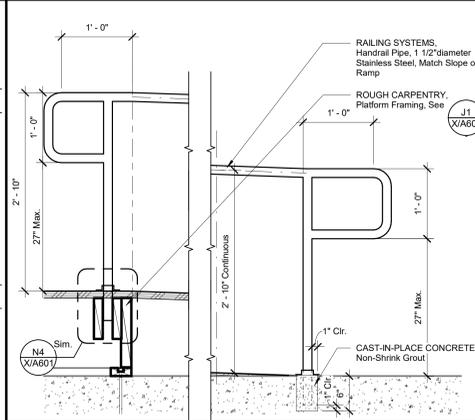
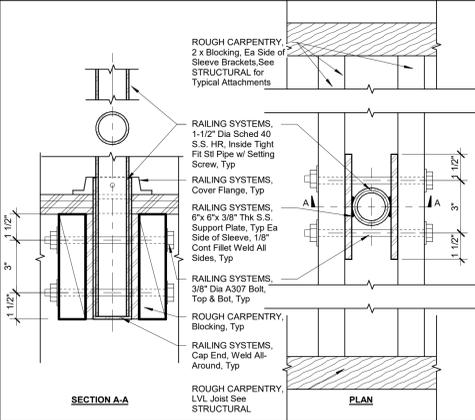
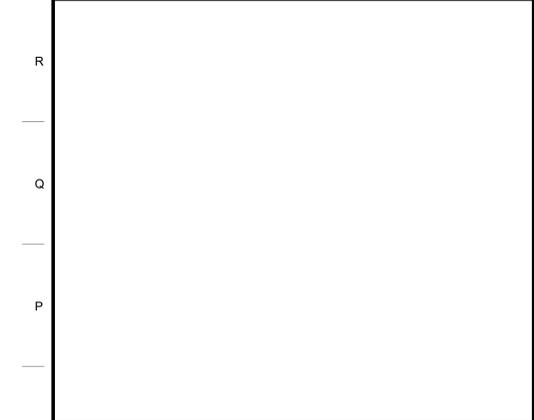
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Project Number: 1947.IDA
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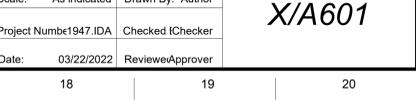
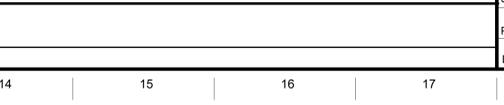
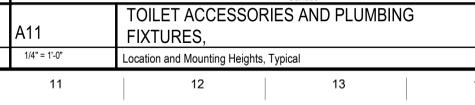
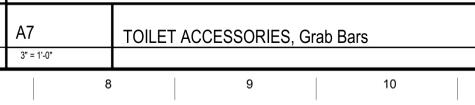
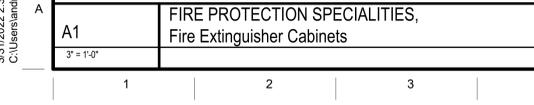
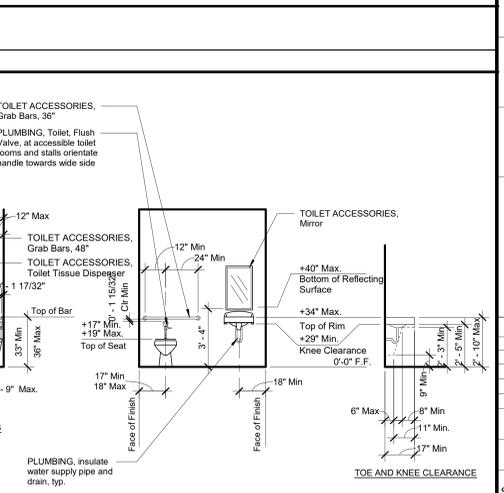
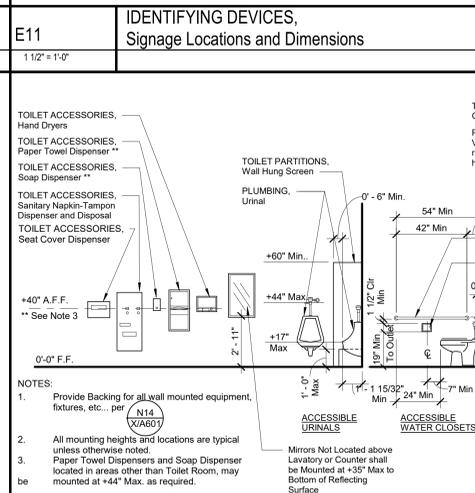
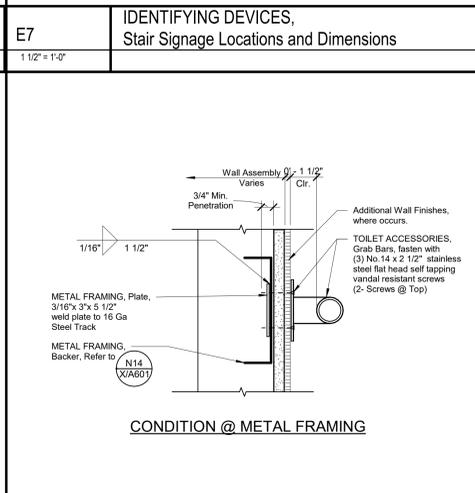
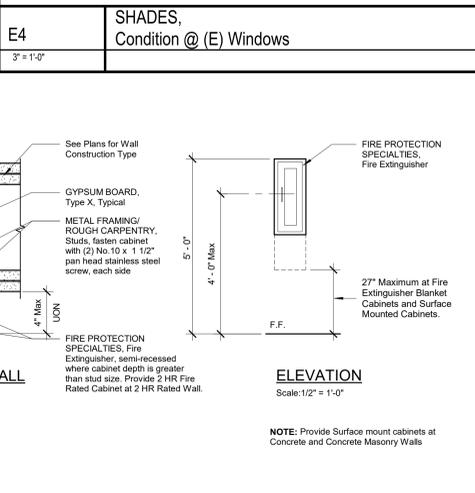
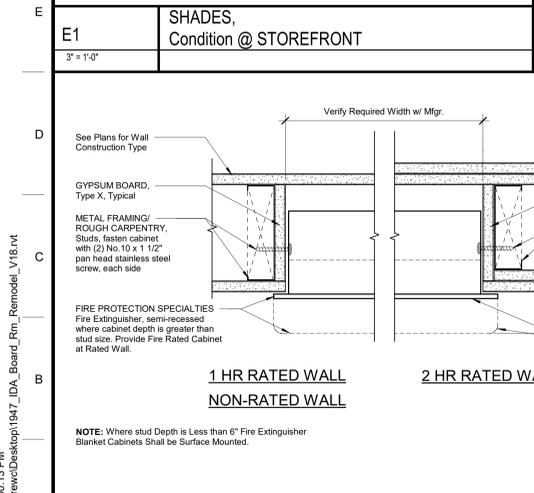
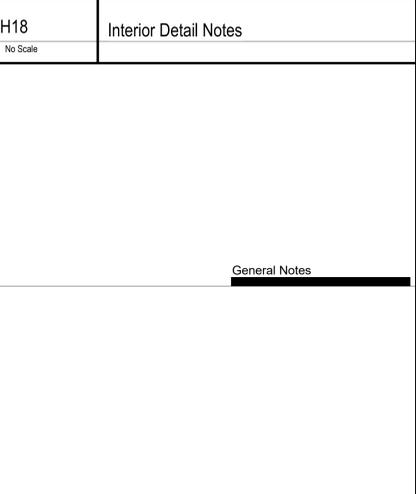
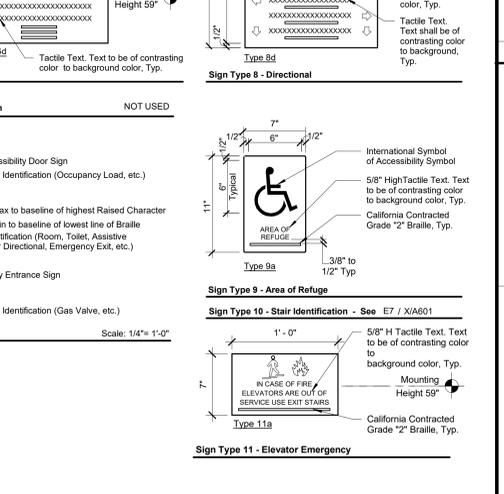
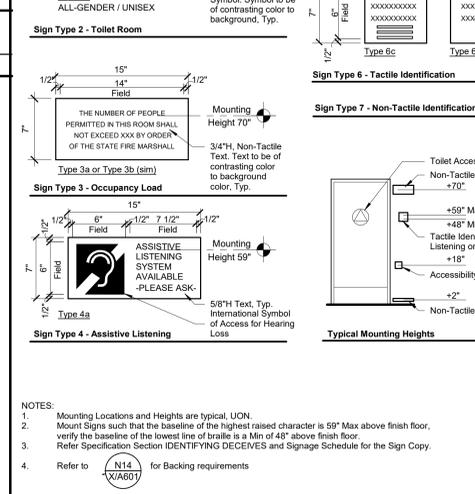
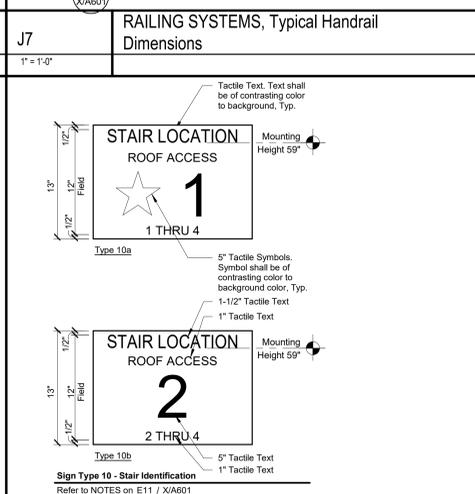
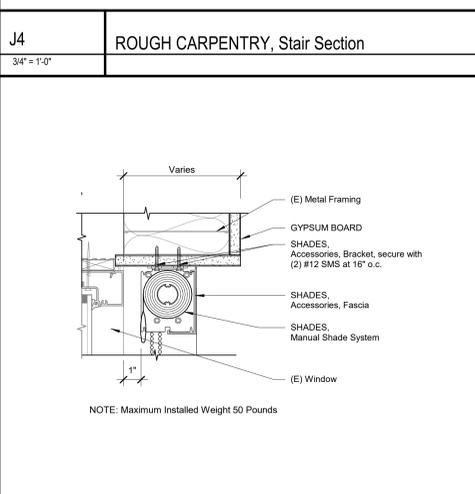
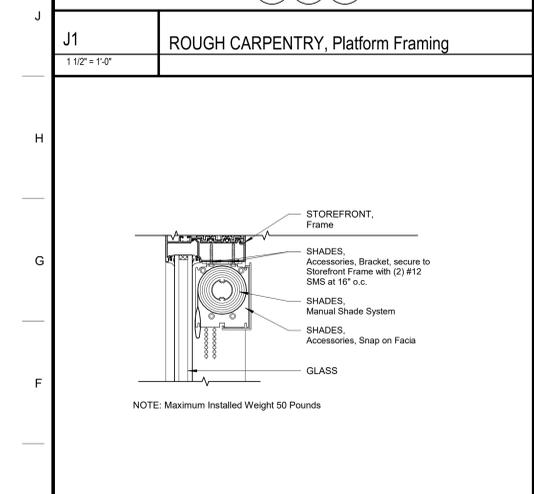
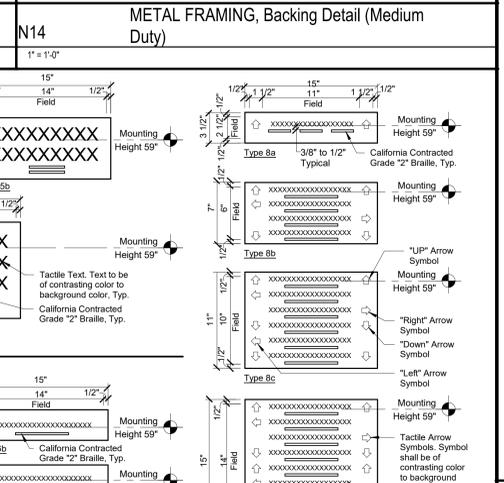
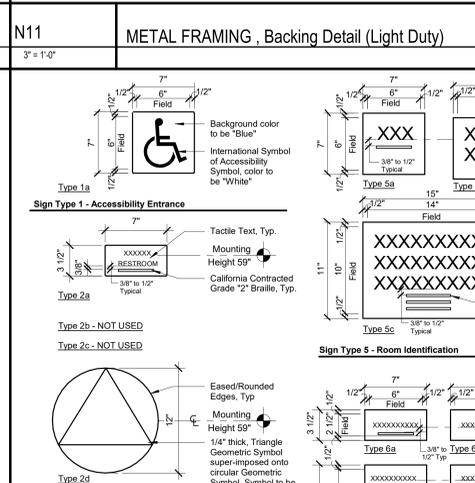
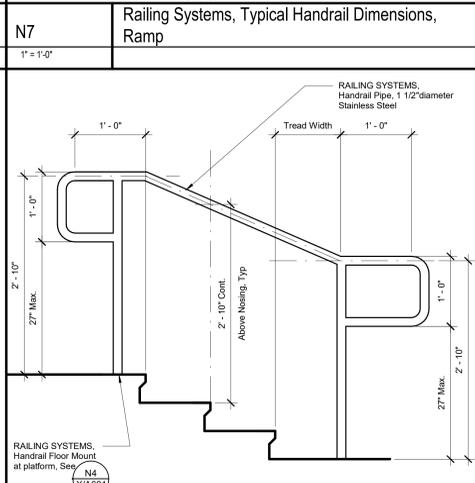
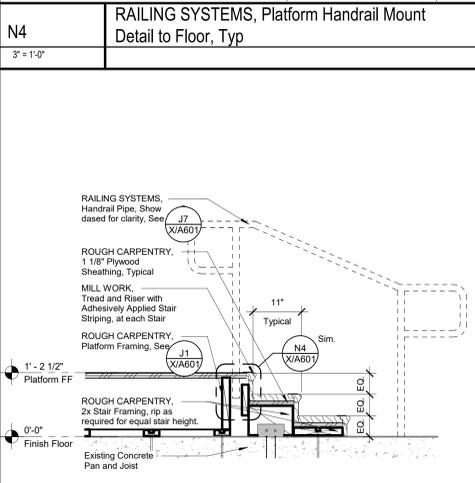
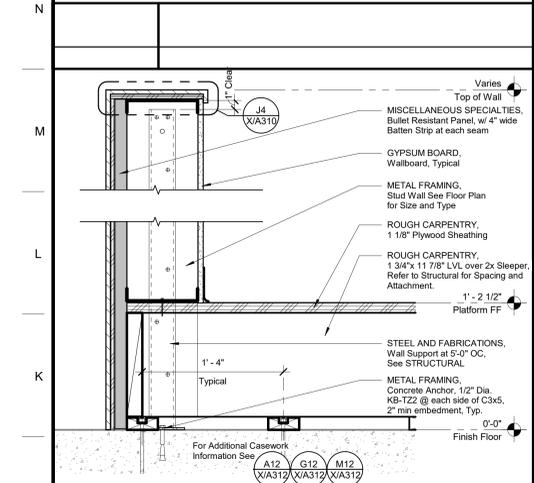
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X/A311

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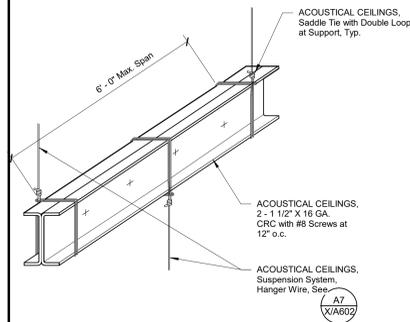


NOTES
1. GYPSUM BOARD, Metal Accessories, Refer to Detail A11 (X/A601)
METAL FRAMING, Sluds @ 16" o.c. Unless Otherwise Noted, See Structural.
METAL FRAMING, Track, unpunched and coped to studs, 6"x16 Ga span min. 3 studs, unless otherwise noted. Fasten to each stud with Self-Drilling Screws, 3-No. 10 x 3/4" Stainless Steel Pan Head Phillips
NOTE: Backing for IDENTIFYING DEVICES may be 20 Ga

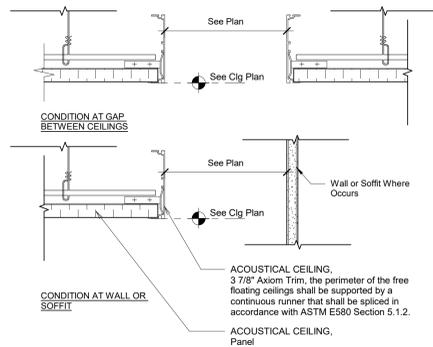


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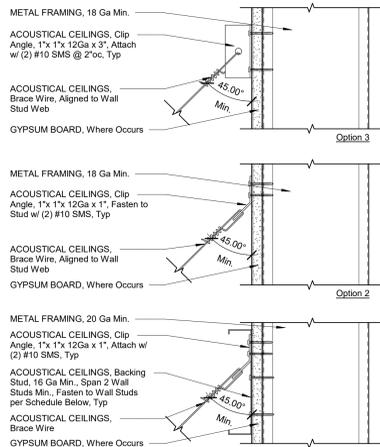
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Project Number: 1947.IDA Checked: []
Date: 03/22/2022 Reviewer/Approver: []
X/A601



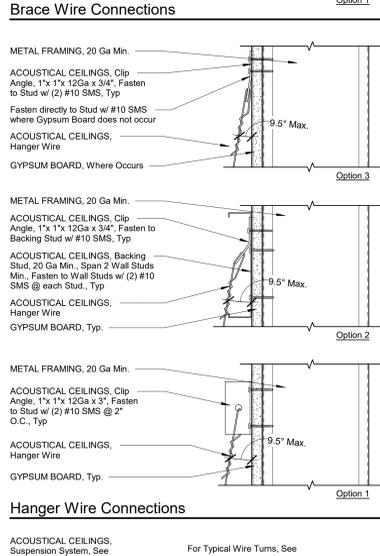
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ACOUSTICAL CEILINGS, Suspended Ceiling Trapeze Support
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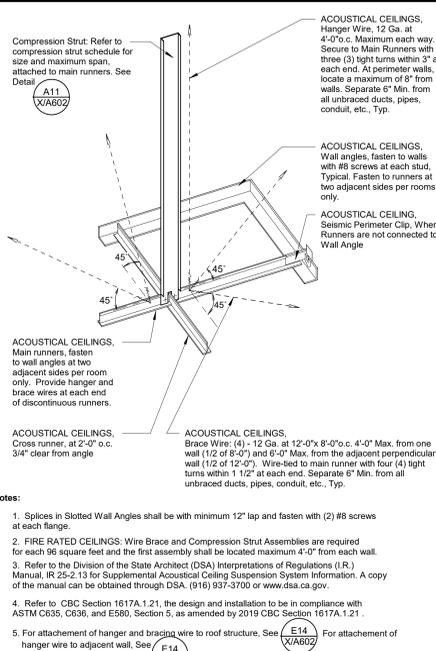
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ACOUSTICAL CEILINGS, Cloud Edge
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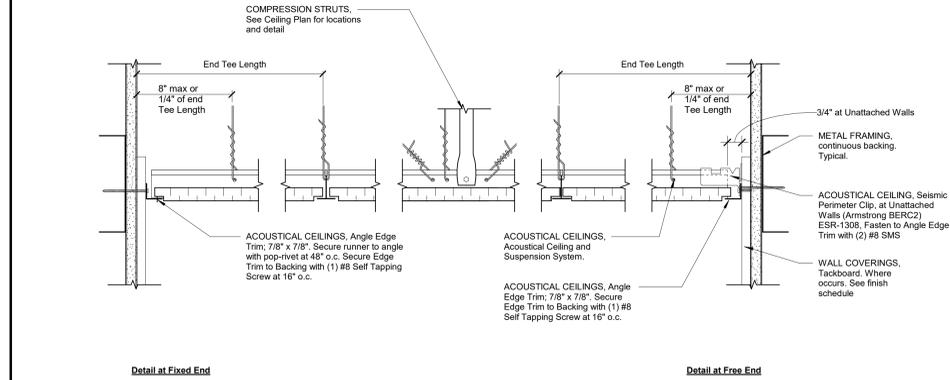
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18 Gauge	(4) #10 x 1 1/4\"/>	



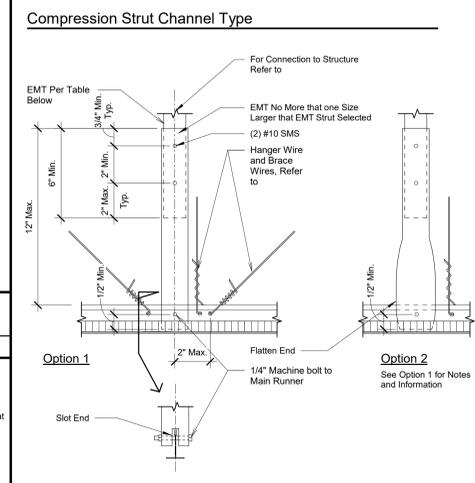
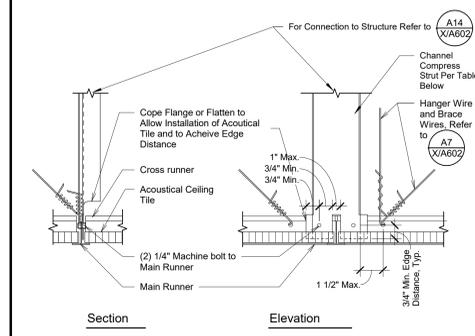
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ACOUSTICAL CEILINGS, Wire Connections to Metal Stud Wall Detail
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A7
ACOUSTICAL CEILINGS, Suspension System
3\"/>



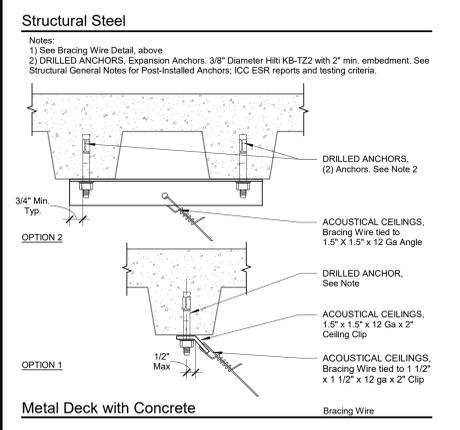
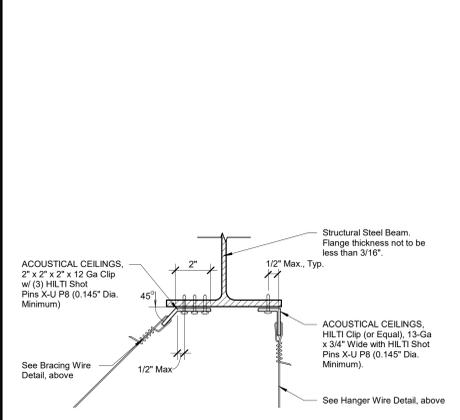
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ACOUSTICAL CEILINGS, Perimeter Ceiling Detail
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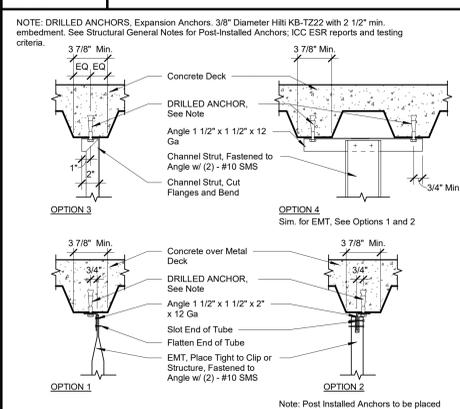
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3/4\"/>	
1\"/>	
1 1/4\"/>	
1 1/2\"/>	
2\"/>	

Channel Type Strut	Max. Length
250S125-33	5'-0"
250S137-33	6'-10"
362S137-33	8'-0"
250S137-43	8'-10"
400S137-43	10'-10"

A11
ACOUSTICAL CEILINGS, Suspension System, Compression Strut Schedule
3\"/>



E14
ACOUSTICAL CEILINGS, Suspension System, Hanger & Bracing (Splay) Wire Attachment
3\"/>



A14
ACOUSTICAL CEILINGS, Strut to Structure
1 1/2\"/>

Board Room Remodel
Fresno Unified School District
Fresno, CA

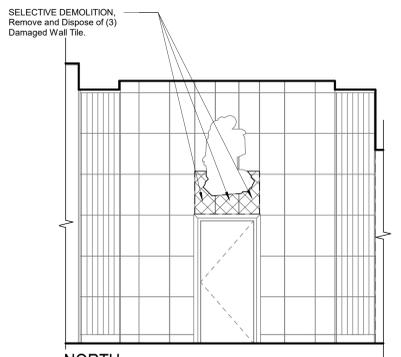
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Checked By:	---	
Reviewed By:	---	

X/A602



NORTH

N1 Partial Interior Elevation- Demolition Plan
1/4" = 1'-0"

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 accommodate 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
- F10 SELECTIVE DEMOLITION, Remove and Dispose of HVAC Grilles
- F11 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.
- F12 SELECTIVE DEMOLITION, Remove and Dispose of Shades
- F13 SELECTIVE DEMOLITION, Remove and Dispose of Flooring and Base.
- F14 SELECTIVE DEMOLITION, Remove and Dispose Existing Built-in Table.
- F15 SELECTIVE DEMOLITION, Remove and Salvage Existing Ceiling Tiles, for Painting
- F16 SELECTIVE DEMOLITION, Remove and dispose portion of existing gypsum board finish from soffit for structural connections, see Structural
- F17 SELECTIVE DEMOLITION, Remove and Dispose Recessed Element Finishes
- F18 SELECTIVE DEMOLITION, Remove and Dispose Raised Concrete Slab
- F19 SELECTIVE DEMOLITION, Remove and Dispose Entry Element including ceiling portion
- F20 SELECTIVE DEMOLITION, Remove and Dispose Raised Floor, Stairs and Ramp including Structure and associated Finishes.
- F21 SELECTIVE DEMOLITION, Remove and Dispose Wood and Cork Information Board.
- F22 SELECTIVE DEMOLITION, Remove and Dispose of Wall Tile, Tile Trim and Wall Covering, Demo to inside corner.
- F23 SELECTIVE DEMOLITION, Remove and Dispose of Wall Base in entire room, unless noted otherwise.
- F24 SELECTIVE DEMOLITION, Remove and reinstall (E) Hardwood Floor where patching is required, See Interior Finish Schedule. Coordinate removal with New Construction.
- F25 SELECTIVE DEMOLITION, Remove and Salvage to Owner TV, Cook, including internal mechanism.
- F26 SELECTIVE DEMOLITION, Remove and Dispose of Flooring, Panels.
- F27 SELECTIVE DEMOLITION, Remove and Dispose of Wall Protection Systems.
- F28 SELECTIVE DEMOLITION, Remove and Dispose of Vinyl Covered Tack Board including Trim.
- F29 SELECTIVE DEMOLITION, Remove and Dispose Portion of Existing Millwork to allow access for installation of Steel Support.
- F30 SELECTIVE DEMOLITION, Remove and Dispose of Ceiling Doors.
- F31 SELECTIVE DEMOLITION, Remove and Dispose of Portion of Wood Conduit and wiring. See Electrical.
- F32 SELECTIVE DEMOLITION, Remove and Dispose of Wood Paneling.
- F33 SELECTIVE DEMOLITION, Remove and Salvage for Reinstallation Semi-Recessed Fire Extinguisher Cabinet.
- F34 SELECTIVE DEMOLITION, Remove and Dispose of Stone Cased Opening and adjacent Stone wall base to Cased openings to remain.
- F35 SELECTIVE DEMOLITION, Remove and Dispose of Wall Covering above door.
- F36 SELECTIVE DEMOLITION, Remove and Dispose Portion of Teller Window Wall from Counter top to Floor between Terracotta Tile Wall Trim, including Marble Wall Cladding and Base, and Wall Assembly.
- F37 SELECTIVE DEMOLITION, Remove and Salvage to Owner TV and Wall Mount.

SYMBOLS

- Existing Wall
- Remove Existing Wall
- Remove Existing Building Item (See Demolition Note, Plumbing, Mechanical, and Electrical Drawings)
- Room name (101) Room Designation
- Demolition Note Symbol (F10)

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 - FIRST FLOOR
Drawing

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Scale: As indicated Drawn By: AF/AC
Project Number: 1947.IDA Checked By: AC
Date: 03/22/2022 Reviewed By: TA

A/A001

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

DEMOLITION NOTES

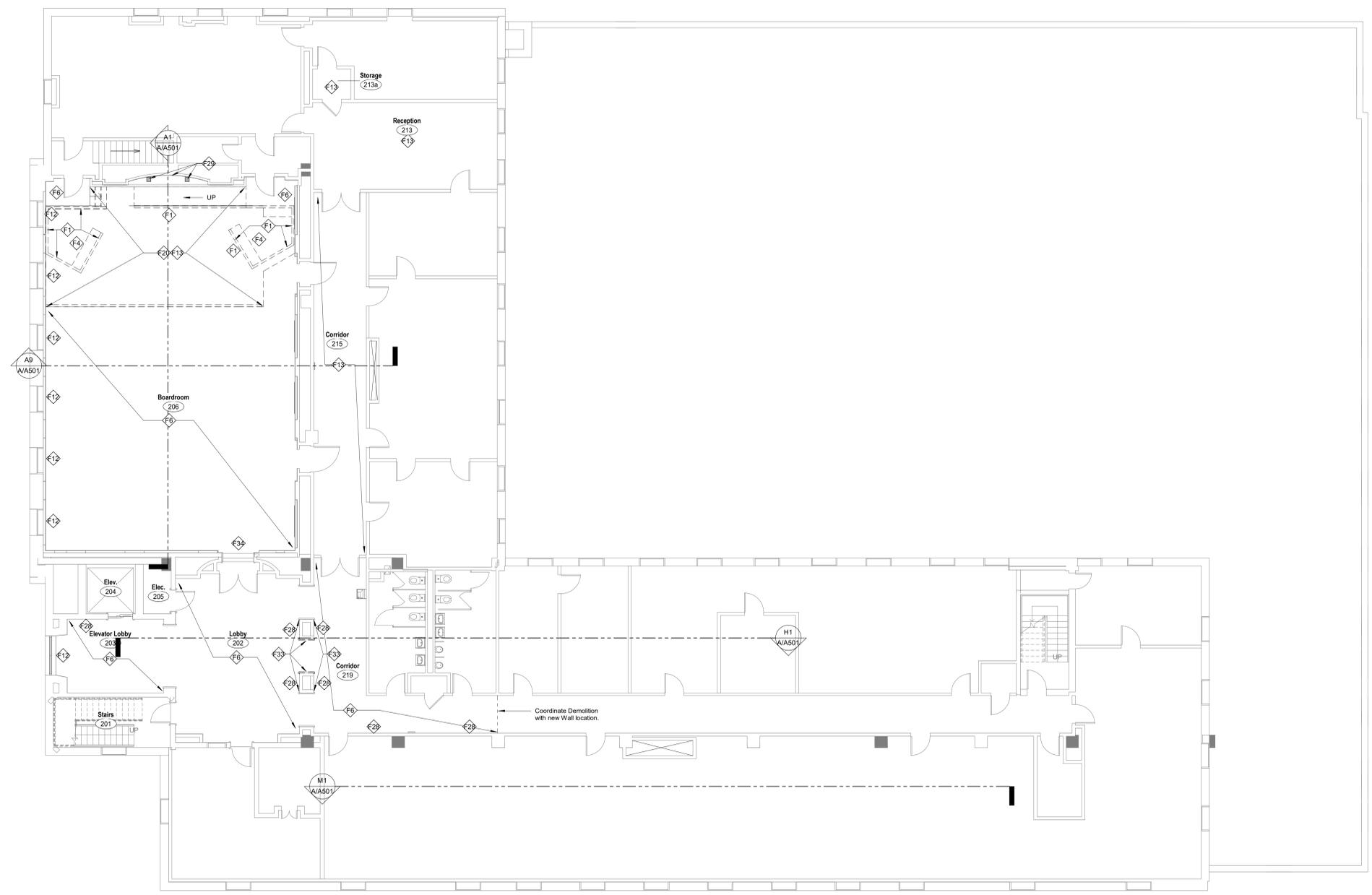
- ⦿ F1 SELECTIVE DEMOLITION, Remove and Dispose portion of Existing wall.
- ⦿ F2 SELECTIVE DEMOLITION, Remove and Dispose Existing door and frame
- ⦿ F3 SELECTIVE DEMOLITION, Remove and Dispose Existing Windows and Frames
- ⦿ F4 SELECTIVE DEMOLITION, Remove and Dispose Existing Casework
- ⦿ F5 SELECTIVE DEMOLITION, Remove and Salvage to Owner, Existing Casework
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- ⦿ F7 SELECTIVE DEMOLITION, Remove and Dispose Portion of Teller Window Wall to Tile Trim to accommodate 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
- ⦿ F10 SELECTIVE DEMOLITION, Remove and Dispose of HVAC Grilles
- ⦿ F11 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.
- ⦿ F12 SELECTIVE DEMOLITION, Remove and Dispose of Shades
- ⦿ F13 SELECTIVE DEMOLITION, Remove and Dispose of Flooring and Base.
- ⦿ F14 SELECTIVE DEMOLITION, Remove and Dispose Existing Built-in Table.
- ⦿ F15 SELECTIVE DEMOLITION, Remove and Salvage Existing Ceiling Tiles, for Painting
- ⦿ F16 SELECTIVE DEMOLITION, Remove and dispose portion of existing gypsum board finish from soffit for structural connections, see Structural
- ⦿ F17 SELECTIVE DEMOLITION, Remove and Dispose Recessed Element Finishes
- ⦿ F18 SELECTIVE DEMOLITION, Remove and Dispose Raised Concrete Slab
- ⦿ F19 SELECTIVE DEMOLITION, Remove and Dispose Entry Element including ceiling portion
- ⦿ F20 SELECTIVE DEMOLITION, Remove and Dispose Raised Floor, Stairs and Ramp including Structure and associated Finishes.
- ⦿ F21 SELECTIVE DEMOLITION, Remove and Dispose Wood and Cork Information Board.
- ⦿ F22 SELECTIVE DEMOLITION, Remove and Dispose of Wall Tile, Tile Trim and Wall Covering, Demo to inside corner.
- ⦿ F23 SELECTIVE DEMOLITION, Remove and Dispose of Wall Base in entire room, unless noted otherwise.
- ⦿ F24 SELECTIVE DEMOLITION, Remove and reinstall (E) Hardwood Floor where patching is required. See Interior Finish Schedule. Coordinate removal with New Construction.
- ⦿ F25 SELECTIVE DEMOLITION, Remove and Salvage to Owner of Clock, including internal mechanism.
- ⦿ F26 SELECTIVE DEMOLITION, Remove and Dispose of Flooring
- ⦿ F27 SELECTIVE DEMOLITION, Remove and Dispose of Wall Protection System.
- ⦿ F28 SELECTIVE DEMOLITION, Remove and Dispose of Vinyl Covered Tack Board including Trim.
- ⦿ F29 SELECTIVE DEMOLITION, Remove and Dispose Portion of Existing Millwork to allow access for installation of Steel Support
- ⦿ F30 SELECTIVE DEMOLITION, Remove and Dispose of Colling Doors.
- ⦿ F31 SELECTIVE DEMOLITION, Remove and Salvage for Portion of Wood Conduit and wiring. See Electrical.
- ⦿ F32 SELECTIVE DEMOLITION, Remove and Dispose of Wood Paneling.
- ⦿ F33 SELECTIVE DEMOLITION, Remove and Salvage for Reinstallation Semi-Recessed Fire Extingisher Cabinet.
- ⦿ F34 SELECTIVE DEMOLITION, Remove and Dispose of Stone Cased Opening and adjacent Stone Wall base to Cased openings to remain.
- ⦿ F35 SELECTIVE DEMOLITION, Remove and Dispose of Wall Covering above door.
- ⦿ F36 SELECTIVE DEMOLITION, Remove and Dispose Portion of Teller Window Wall from Counter top to Floor between Terracotta Tile Wall Trim, including Marble Wall Cladding and Base, and Wall Assembly.
- ⦿ F37 SELECTIVE DEMOLITION, Remove and Salvage to Owner TV and Wall Mount.

SYMBOLS

- Existing Wall
- - - - - Remove Existing Wall
- ⦿ Remove Existing Building Item (See Demolition Note, Plumbing, Mechanical, and Electrical Drawings)
- ⦿ Room name (101) Room Designation
- ⦿ 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 resided 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

DEMOLITION FLOOR PLAN - SECOND FLOOR
 Drawing

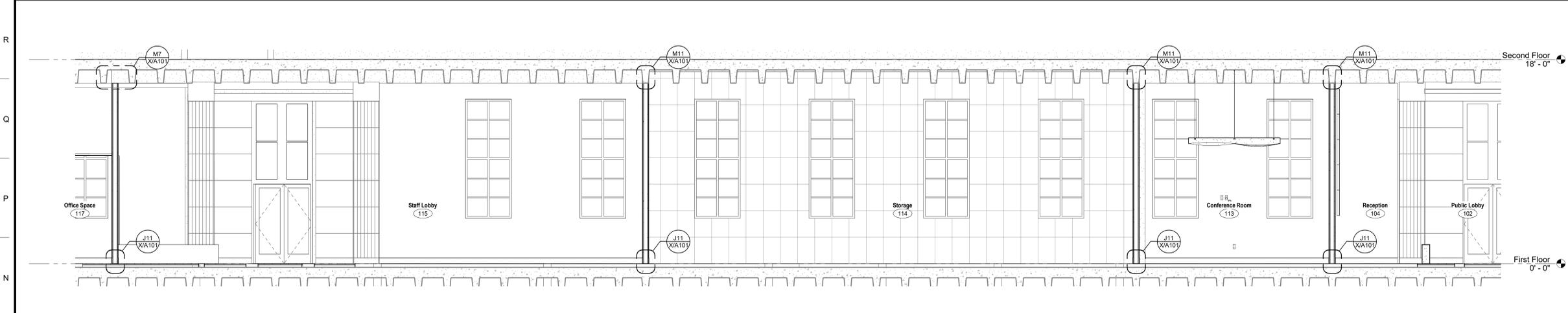
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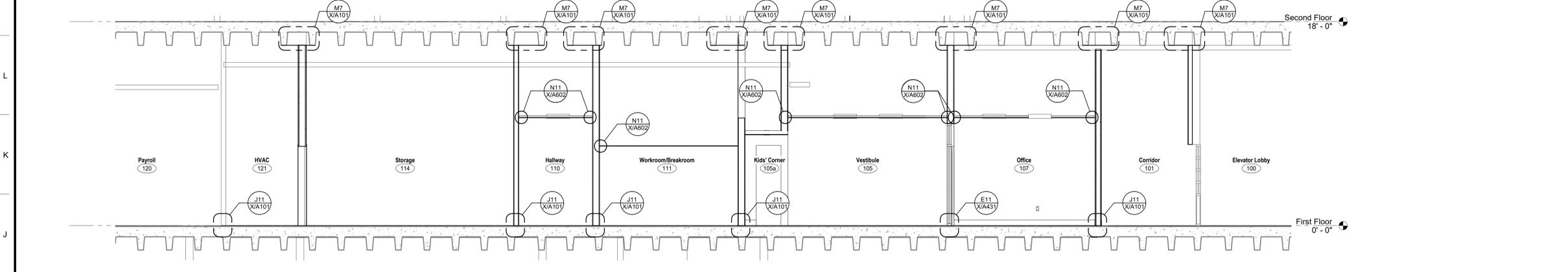
No.	Revision/Submission	Date
1	Revision 1	Date 1

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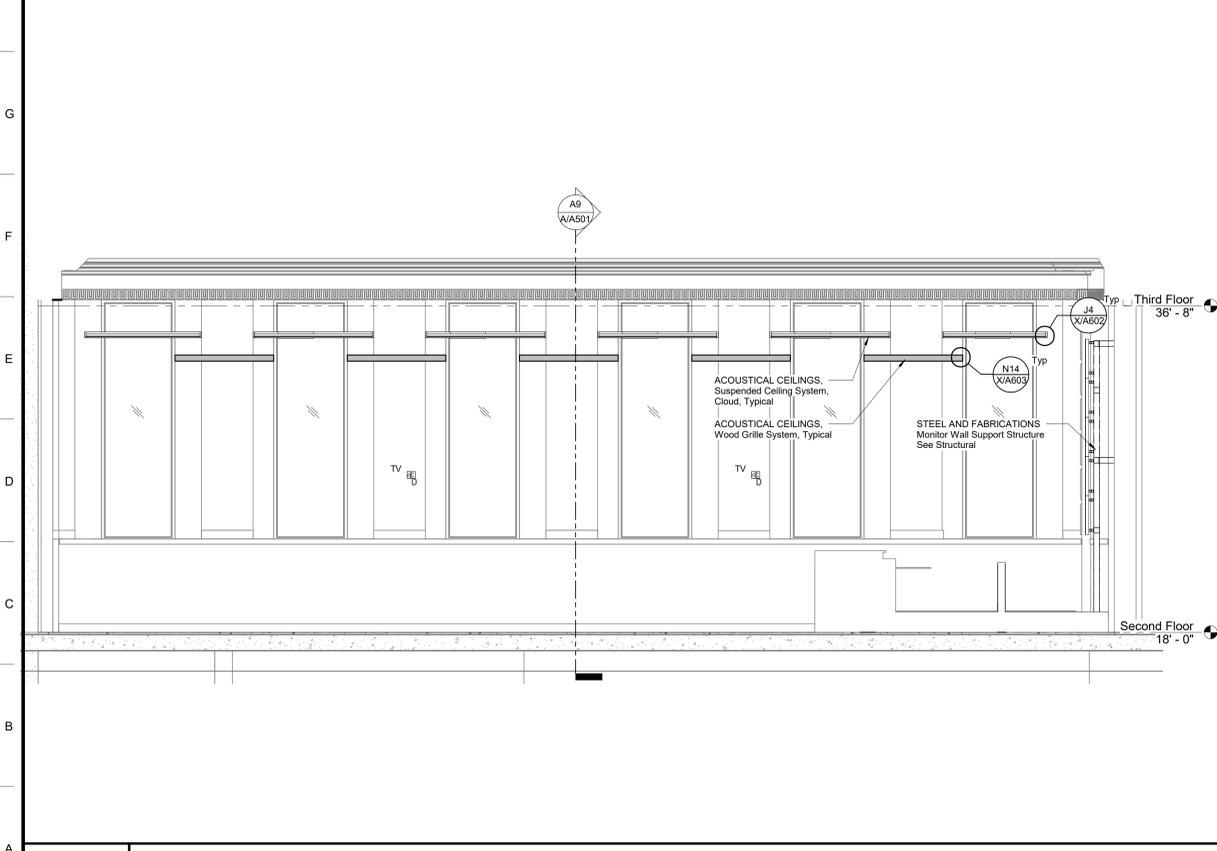
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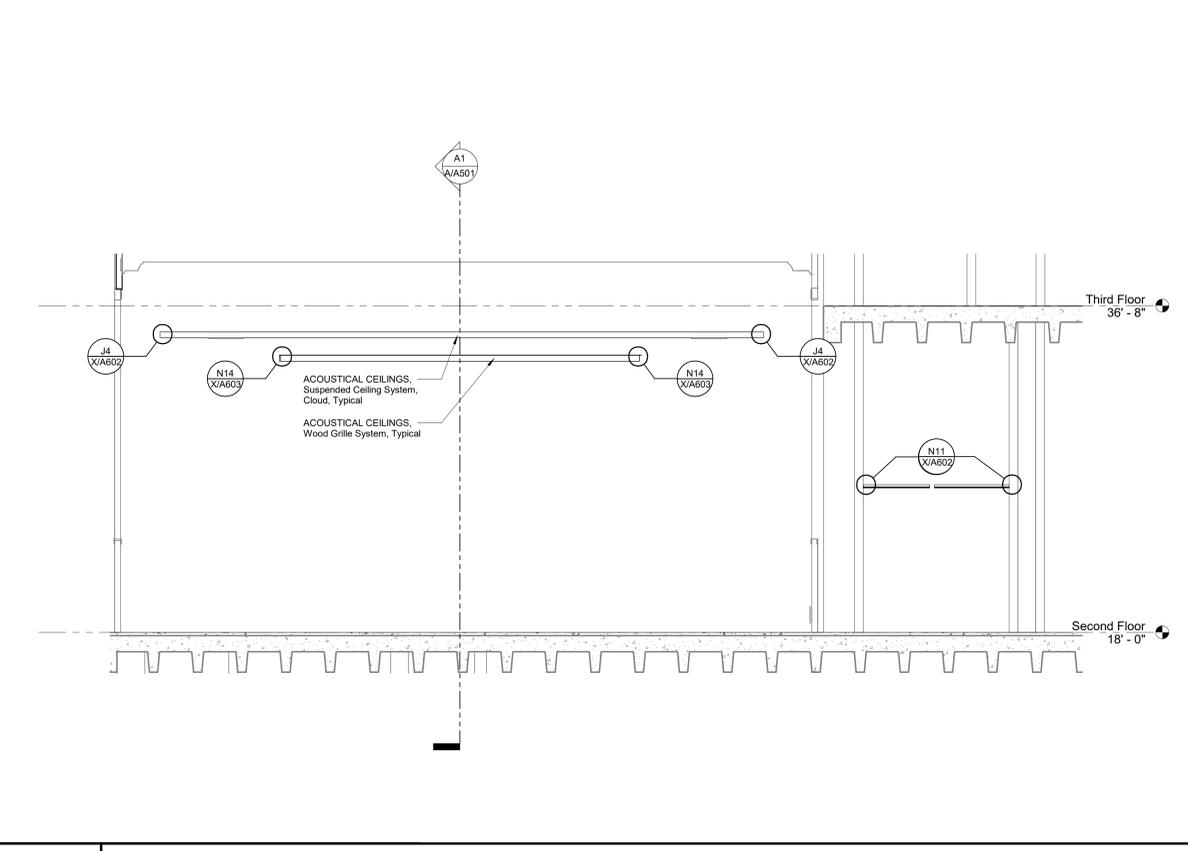
M1 Building Section
1/4" = 1'-0"



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

BUILDING SECTIONS

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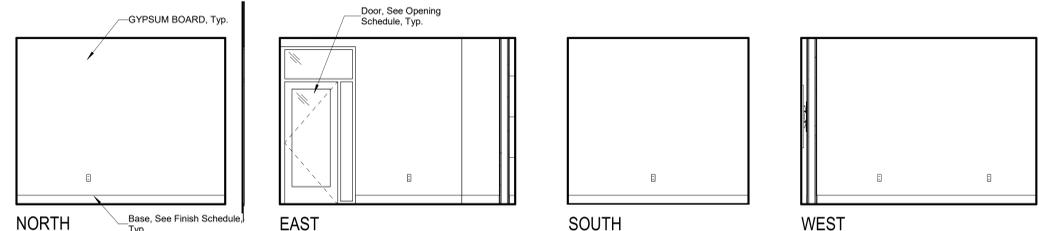
No.	Revision/Submission	Date

Revision

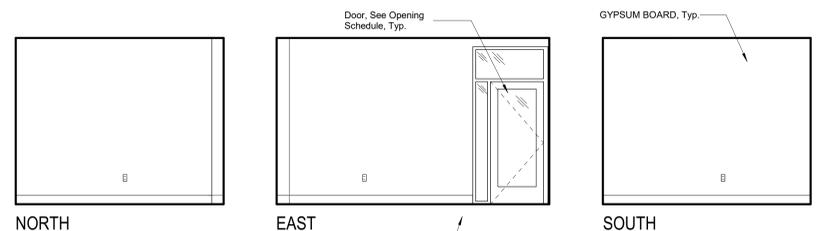
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A/A501

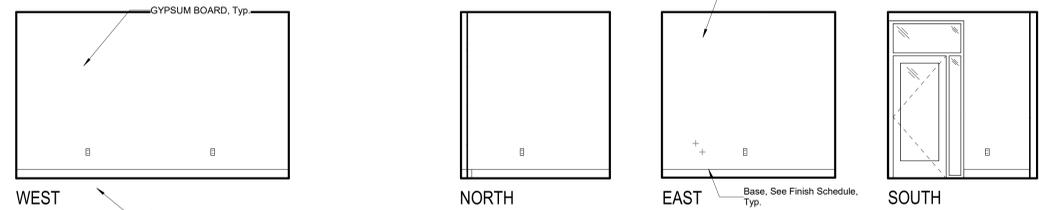
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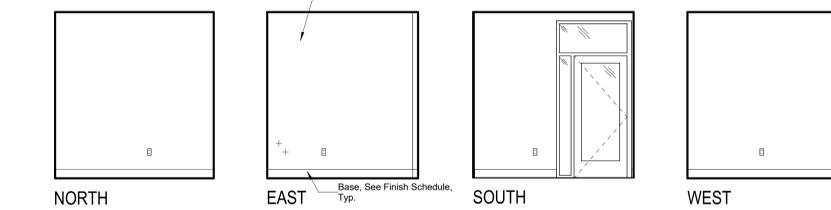
106 Office



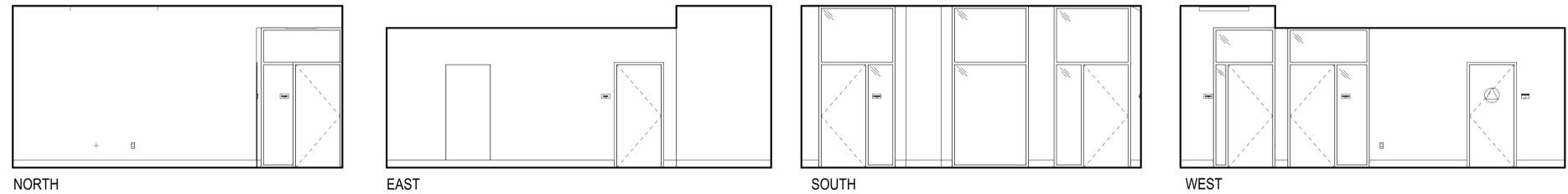
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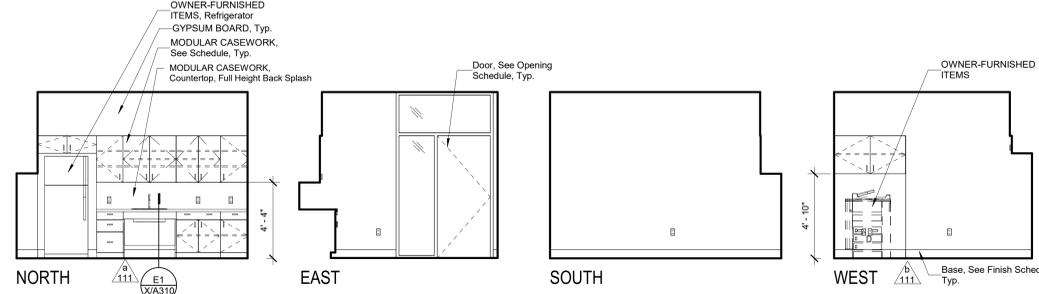
107 Office (Continued)



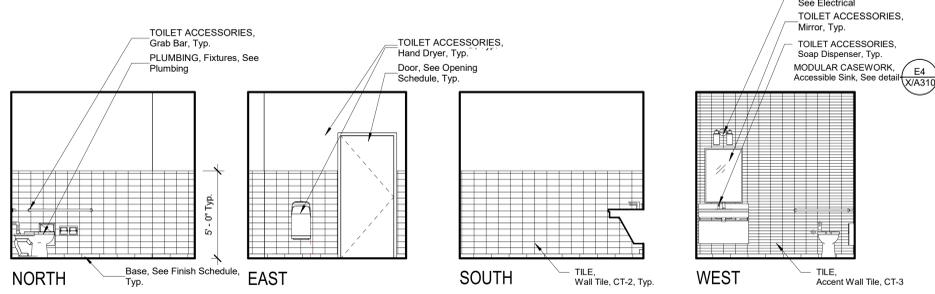
109 Office



110 Hallway



111 Workroom/Breakroom



112 Restroom

SYMBOLS

	Cabinet Group No. Refer to Modular Casework Schedule and Lab Casework Schedule.
	Equipment Item No. Refer to Equipment Schedule.
	FIRE PROTECTION SPECIALTIES, Fire Extinguisher Cabinet, Top of Cabinet @ +5'-0". Unless Noted Otherwise, Provide Fire Rated Cabinet at Rated Walls.
	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
	ELECTRICAL, Fire Alarm Device
	ELECTRICAL, Volume Control
	ELECTRICAL, Television Outlet
	MECHANICAL, Thermostat
	PLUMBING, Hose Bib
	ELECTRICAL, Data Outlet
	ELECTRICAL, Microphone Outlet
	ELECTRICAL, Intrusion Sensor
	ELECTRICAL, Motion Sensor
	ELECTRICAL, Telephone Outlet

ABBREVIATIONS

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

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

G18	Interior Elevation legend
No Scale	

General Notes

Consultant

Board Room Remodel
 Fresno Unified School District
 Fresno, CA

INTERIOR ELEVATIONS- ROOMS 106 - 112
 Drawing

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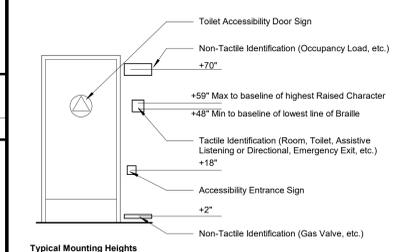
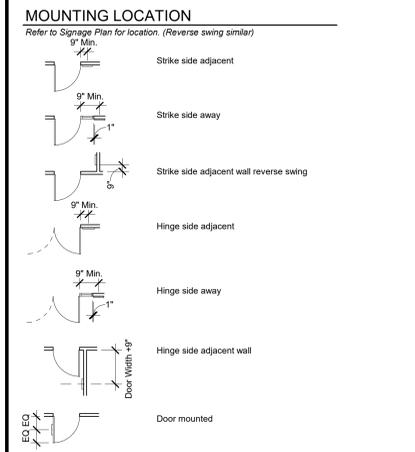
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A/A602

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	-

MOUNTING CONDITION	SIGN MATERIAL
1. Metal Stud Framed Wall	A = Acrylic
2. Wood Stud Framed Wall	EM = Exterior Metal
3. Concrete and Concrete Masonry	IM = Interior Metal
4. Glass	EP = Exterior Plastic
5. Door	IP = Interior Plastic
6. See Plan	D = Decal

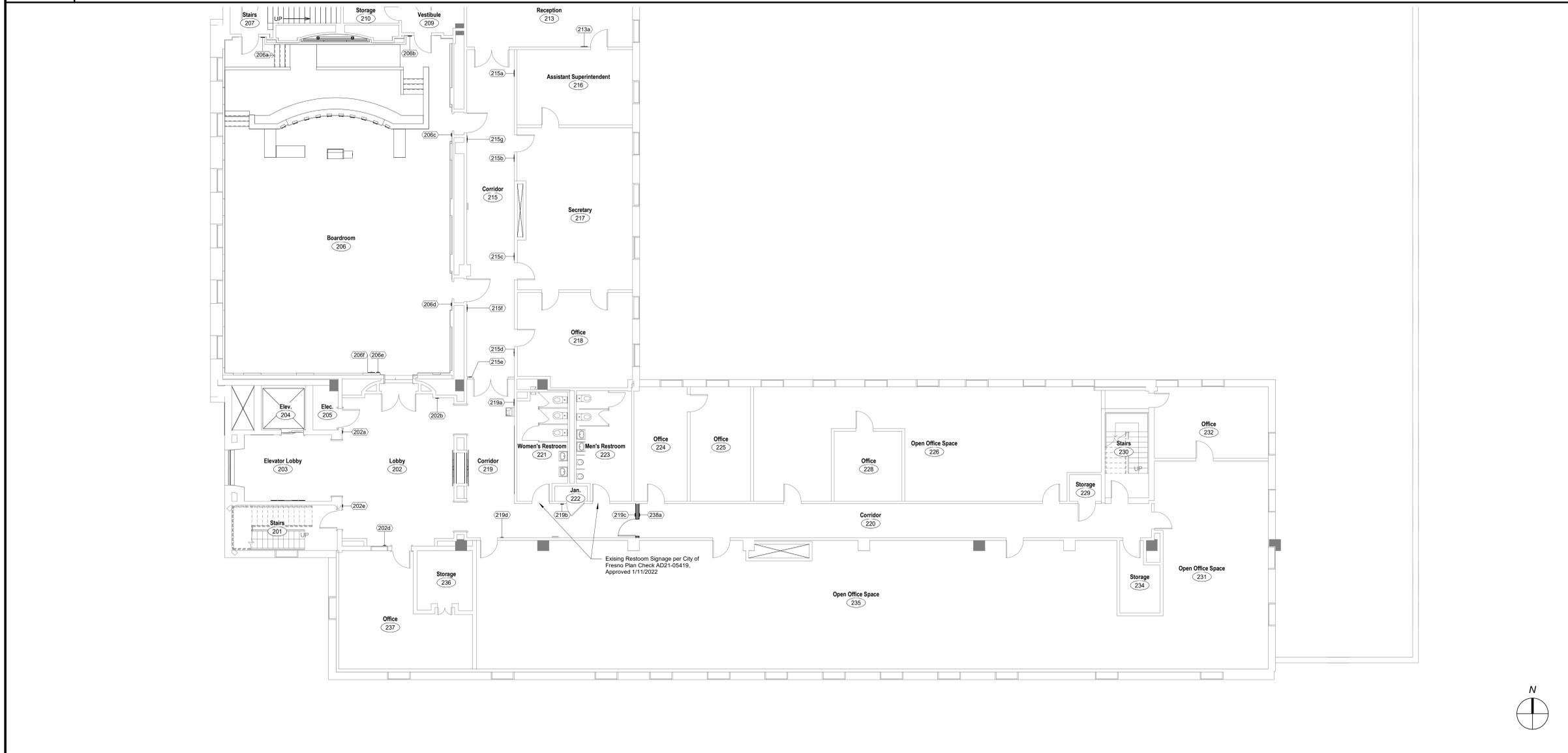


Typical Mounting Heights
Scale: N.T.S.

NOTES

- Refer to Specification Section IDENTIFYING DEVICES.
- Refer to Plan for Mounting Location.
- Verify Sign Copy with Owner prior to fabrication. "*" indicates a blank space.
- For IDENTIFYING DEVICES, Signage Dimensions, refer to detail.

L1 Signage Schedule



H18 Signage Schedule Legend

No Scale

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Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

SIGNAGE PLAN- SECOND FLOOR

Drawing

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Revision

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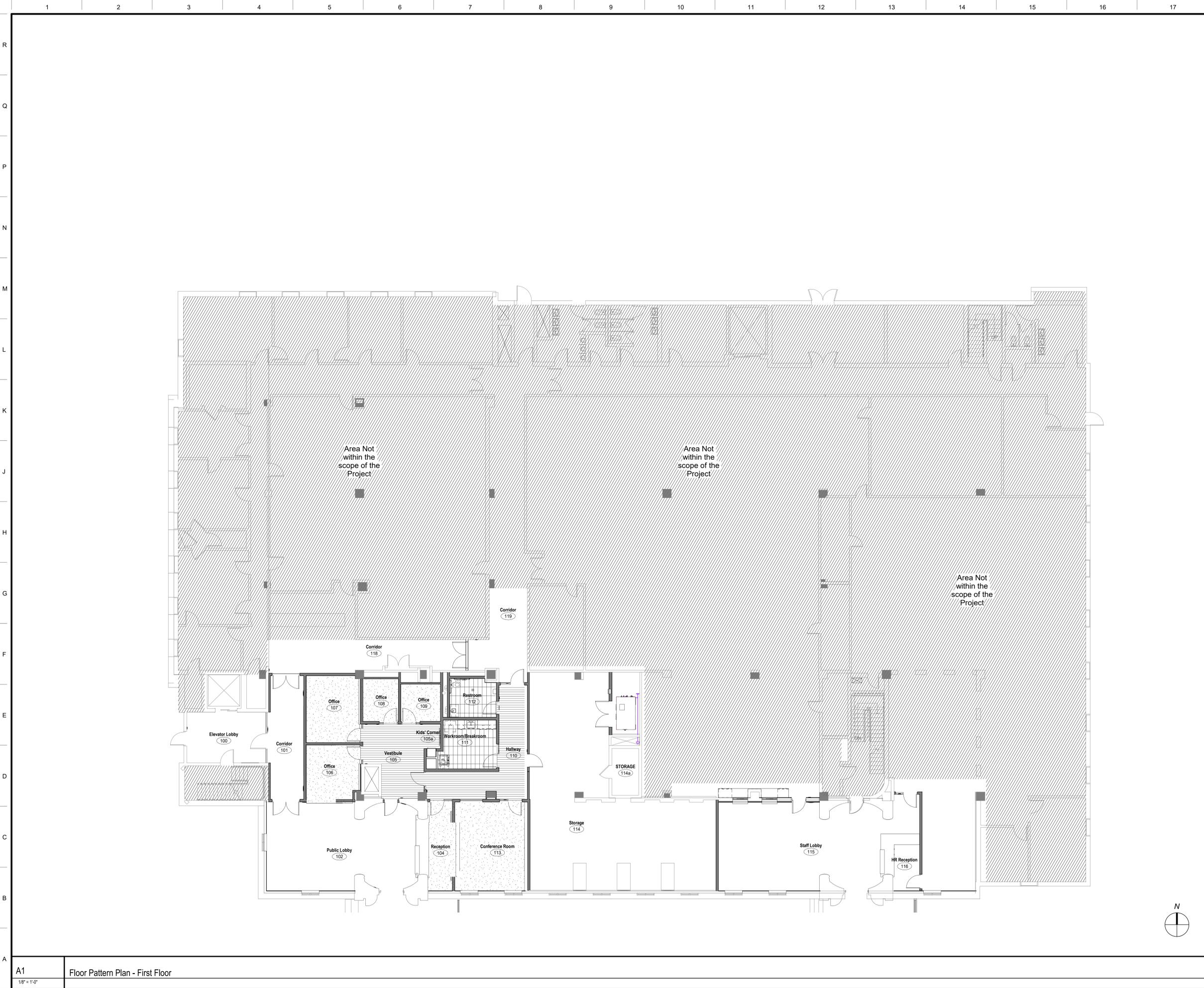
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A/A720

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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	

A800 - Floor Pattern
 1/4" = 1'-0"
 General Notes

Board Room Remodel
 Fresno Unified School District
 Fresno, CA

FLOOR PATTERN PLAN- FIRST FLOOR
 Drawing

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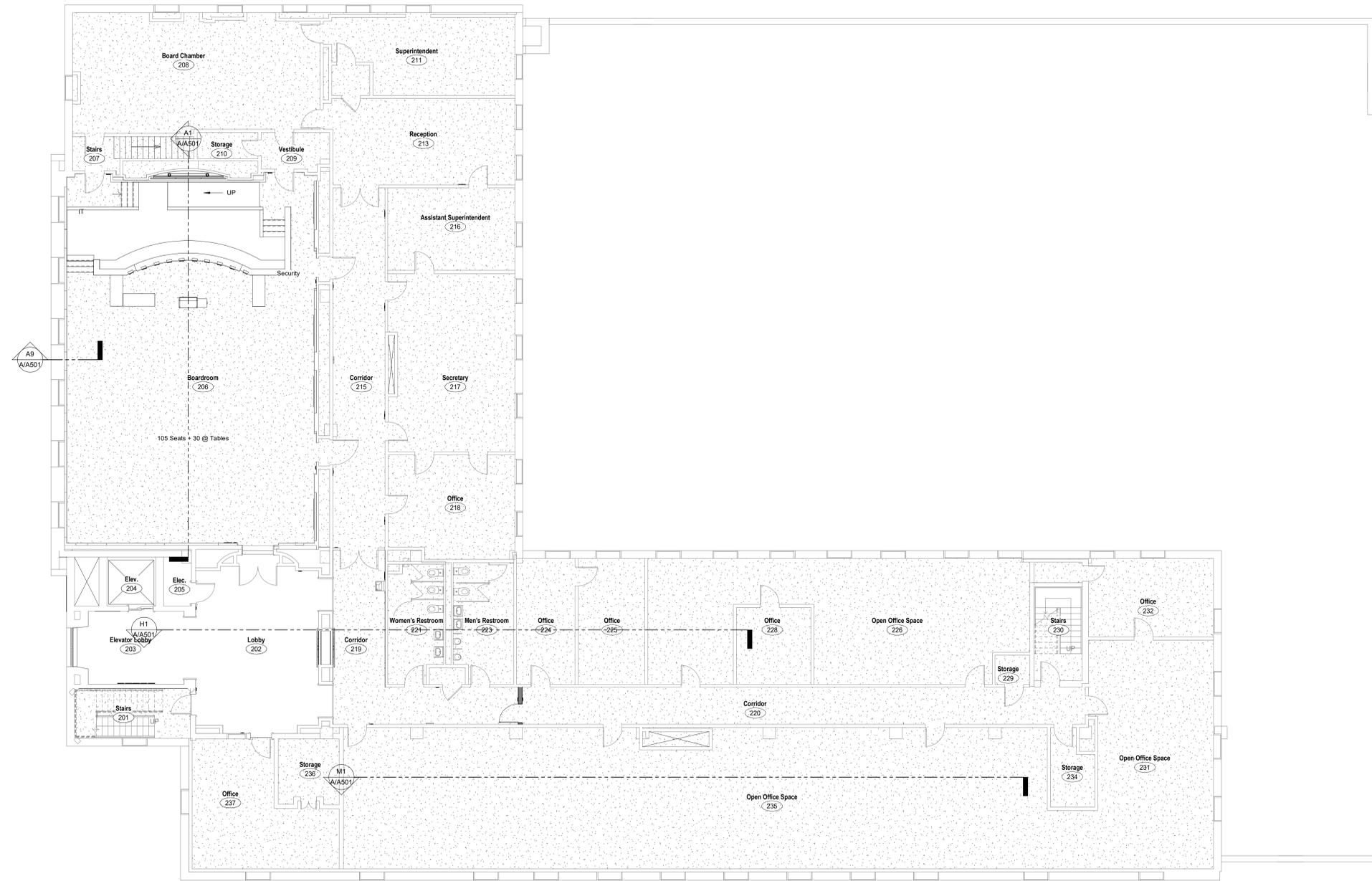
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A1 Floor Pattern Plan - First Floor
 1/8" = 1'-0"

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General Notes

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

FLOOR PATTERN PLAN- SECOND FLOOR

Drawing

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	Reviewed By: TA	

A1 Floor Pattern Plan - Second Floor

1/8" = 1'-0"

1. ALL MEMBERS SHALL BE MANUFACTURED BY A CURRENT MEMBER OF THE STEEL STUD MANUFACTURERS 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 (A151-N.A.S.).

2. ALL GALVANIZED STUDS, TRACKS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE LATEST A151-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. C695. 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. C695, 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. C154 AND THE MINIMUM COATING REQUIREMENTS OF A.S.T.M. A653 COATING DESIGNATION G-60.

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 MANUFACTURERS ASSOCIATION' (S.S.M.A.) CATALOG, ICG 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 1/2" 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 A151-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 A151-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 3/16", AND SCREW SIZES SHALL CONFORM TO THE FOLLOWING, U.N.O.

METAL TO METAL FASTENER SIZE	
METAL THICKNESS 'T'	SCREW TYPE
T < 1/2 GA.	#10 XV #3 POINT
1/2 GA. < T < 3/16"	#12 XV #3 POINT
3/16" < T < 5/16"	1/4" DIA. XV #4 POINT

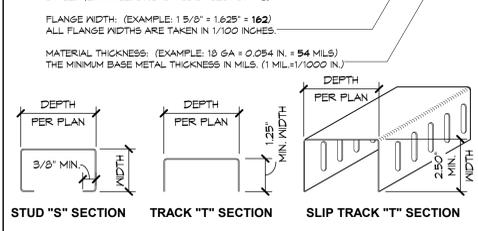
16. LIGHT GAUGE STEEL CONTRACTOR SHALL PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS 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 5/8" O.D. 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 1 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 UNF 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.



E1	LIGHT GAUGE STEEL NOTES
X/S101	NOT TO SCALE



A1	NOT USED
X/S101	NOT TO SCALE

1. SCREEN ANCHORS INTO CONCRETE SHALL BE TITEN HD AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. 8959 WEST LAS POSITAS BOULEVARD PLEASANTON, CALIFORNIA 94566. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND I.C.G. REPORT NO. ESR-2113.

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

BOLT SIZE	MIN. EMBED THKS.	CONC. TORQUE TEST	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 Fc = 2900 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
- HOLES IS TO BE DRILLED TO THE SPECIFIED EMBEDMENT DEPTH PLUS 1/2" (ONLY 1/4" REQUIRED FOR 3/8" SCREEN)
- ANY SEISMIC DESIGN CATEGORY PER 2019 C.B.C.
- TENSION LOAD VALUES SHALL BE MULTIPLIED BY 0.6 FOR LIGHTWEIGHT CONCRETE
- A.G.I. 'CRACKED' CONCRETE CONDITION IS ASSUMED
- HOLES SHALL BE CLEANED IN ACCORDANCE WITH ICG REPORT NO. ESR-2113

4. WHEN INSTALLING SCREEN 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 SCREEN ANCHOR.

5. ANY BOLTS SHOWN ON THE APPROVED PLANS AS SCREEN ANCHORS, REQUIRES PERIODIC SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 4.4 IN THE I.C.G. REPORT. SPECIAL INSPECTION SHALL BE BY AN APPROVED TESTING AND INSPECTION AGENCY. ANY ITEMS THAT REQUIRE SCREEN 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 T22 AS MANUFACTURED BY HILTI, INC., 1250 DALLAS PARKWAY, SUITE 1000, PLANO, TEXAS 75024. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND I.C.G. REPORT NO. ESR-4266.

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

BOLT SIZE	MIN. EMBED THKS.	CONT. TENSION TEST	TORQUE TEST
3/8"	2"	4"	25 #-FT
1/2"	3 1/2"	5 1/2"	40 #-FT
5/8"	4"	6"	2300#
3/4"	4 3/4"	8"	3700#

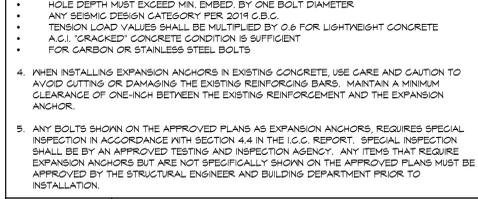
3. PLACEMENT GUIDELINES FOR ABOVE VALUES IN ITEM 2 REQUIRE THE FOLLOWING CONDITIONS:

- TABLE VALUES ARE BASED ON Fc = 3000 PSI
- HOLES DRILLED WITH A HAMMER DRILL AND CARBIDE BIT COMPLYING WITH 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 2019 C.B.C.
- TENSION LOAD VALUES SHALL BE MULTIPLIED BY 0.6 FOR LIGHTWEIGHT CONCRETE
- A.G.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.G. 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 T22 IN CONC.
X/S101	NOT TO SCALE



J7	EXISTING CONDITIONS NOTES
X/S101	NOT TO SCALE

1. EPOXY SHALL BE HILTI HIT-HY 200 ADHESIVE AS MANUFACTURED BY HILTI, INC., 1250 DALLAS PARKWAY, SUITE 1000, PLANO, TEXAS 75024. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND I.C.G. REPORT NO. ESR-3191.

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

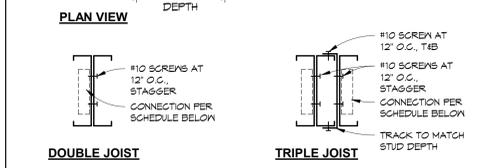
BAR SIZE	BOLT SIZE	EMBEDMENT	MIN. TEST LOAD (POUNDS)
#4	1/2"	4"	1190
#5	5/8"	5"	1540
#6	3/4"	7"	2190

3. PLACEMENT GUIDELINES FOR ABOVE VALUES IN ITEM 2 REQUIRE THE FOLLOWING CONDITIONS:

- TABLE VALUES ARE BASED ON Fc = 3000 PSI
- 5" 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 2019 C.B.C.
- A.S.T.M. A 615 GRADE 60 REBAR
- A.S.T.M. A 185 GRADE 87 TREADED RODS
- A.G.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.G. 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

E11	GENERAL PROJECT NOTES
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 ICG-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 WITHDRAWAL 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 LOM FLUTE. PIN SHALL BE CENTERED IN THE LOM 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 7/8").

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 ANY OTHER CONSTRUCTION DOCUMENTS AND THE EXISTING CONDITION.

3. EXISTING CONSTRUCTION INDICATED IN THE CONSTRUCTION DOCUMENTS IS BASED UPON INFORMATION SHOWN ON A 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.

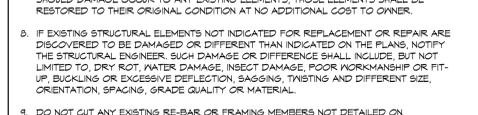
8. IF EXISTING STRUCTURAL ELEMENTS NOT INDICATED FOR REPLACEMENT OR REPAIR ARE DISCOVERED TO BE DAMAGED OR DIFFERENT THAN INDICATED ON THE PLANS, NOTIFY THE STRUCTURAL ENGINEER. SUCH DAMAGE OR DIFFERENCE SHALL INCLUDE, BUT NOT LIMITED TO, DRY ROT, WATER DAMAGE, INSECT DAMAGE, FLOOR JOIST ROT, WARPING 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. 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 DIG PITS ARE REQUIRED IN ORDER TO ESTABLISH THE ACTUAL LIMITS OF THE UNDERGROUND 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.

N1	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 BASED 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. SPECIAL DETAILS ARE NOT SPECIFICALLY REFERENCED ON PLANS AND SPECIFIC DETAIL U.N.O.

11. 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 WITHDRAWAL LOADS ARE REQUIRED TO HAVE KNURLED SHANK.

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. SPECIAL DETAILS ARE NOT SPECIFICALLY REFERENCED ON PLANS AND SPECIFIC DETAIL U.N.O.

13. 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.

14. 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.

15. 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.

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

17. 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.

18. 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. SPECIAL DETAILS ARE NOT SPECIFICALLY REFERENCED ON PLANS AND SPECIFIC DETAIL U.N.O.

19. 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.

20. 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.

21. 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.

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

23. 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.

24. 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. SPECIAL DETAILS ARE NOT SPECIFICALLY REFERENCED ON PLANS AND SPECIFIC DETAIL U.N.O.

25. 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.

26. 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.

27. 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.

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

29. 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.

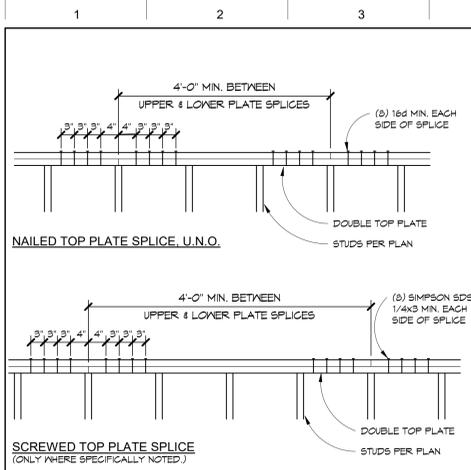
30. ALL NOTES SPECIFIED ON PLANS AND IN DETAILS WITH THE WORD 'TYPICAL' FOLLOWED BY **BOLD AND UNDERLINED** TEXT REFER TO THE TYPICAL PROJECT DETAILS ON S1 SERIES SHEETS. SPECIAL DETAILS ARE NOT SPECIFICALLY REFERENCED ON PLANS AND SPECIFIC DETAIL U.N.O.

A7	"SHOT PIN" NOTES FOR HILTI X-U
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 ANY OTHER CONSTRUCTION DOCUMENTS AND THE EXISTING CONDITION.

3. EXISTING CONSTRUCTION INDICATED IN THE CONSTRUCTION DOCUMENTS IS BASED UPON INFORMATION SHOWN ON A AVAILABLE RECORD PLANS AND/OR LIMITED VISUAL OBSERVATIONS. THE EXIST



N1 TOP PLATE SPLICES FOR WOOD	
X/S102	NOT TO SCALE

- MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- ALL BUTT WELDS SHALL BE COMPLETE JOINT PENETRATION WELDS.
- 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.
- WHERE THE CONTRACTOR REQUESTS WELDING TO BE USED IN LIEU OF BOLTED CONNECTIONS, SUCH WELDING SHALL BE DONE ONLY WITH THE ENGINEER'S PRIOR APPROVAL. WHERE ENBEDDED PLATES WITH SHEAR TABS, CONTRACTOR HAS OPTION TO FIELD WELD STEEL BEAM TO SHEAR TAB TO FACILITATE ERECTION WITH APPROVAL FROM ENGINEER. ENBEDDED 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.
- A.S.T.M. A325 BOLTS SHALL BE USED UNLESS NOTED OTHERWISE. TWIST-OFF TYPE TENSION CONTROL A.S.T.M. F1952 BOLT ASSEMBLIES MAY BE SUBSTITUTED FOR A.S.T.M. A325 BOLTS AT ANYTIME. WHERE A.S.T.M. A440 BOLTS ARE SPECIFIED ON THE PLANS TWIST-OFF TYPE TENSION CONTROL A.S.T.M. F2200 BOLT ASSEMBLIES MAY BE SUBSTITUTED AT ANYTIME.
- 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 36 MAY BE WELDED ONLY IF IT IS ORDERED WITH SUPPLEMENT S1 AND THE CARBON EQUIVALENT FORMULA SPECIFIED IN SECTION 5.1.5.2.1 OF THE A.S.T.M. GRADE 105 BOLTS MAY NOT BE WELDED.
- 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.
- A.S.T.M. F436 WASHERS SHALL BE USED UNLESS NOTED OTHERWISE. AT SLIP CRITICAL CONNECTIONS A.S.T.M. F194 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.
- A.S.T.M. A100 SHEAR STUD CONNECTORS SHALL BE USED UNLESS NOTED OTHERWISE. THE MECHANICAL REQUIREMENTS MUST MEET A.I.S.C. D1.1 TABLE 7.1 FOR TYPE B SHEAR STUDS CONNECTORS. (Fy=50 ksi, Fu=65 ksi)
- Holes punched or drilled in beams shall be as follows unless noted otherwise on the drawings: HOLES FOR BOLTS SHALL BE 1/8" 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.
- ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL SHALL RECEIVE ONE SHOP COAT OF RED OXIDE ZINC CHROMATE OR APPROVED EQUAL BASE.
- 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.
- 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 (Fy=50 ksi, Fu=65 ksi)
 - M, N, T, S AND ST SHAPES SHALL BE A.S.T.M. A36 (Fy=36 ksi, Fu=58 ksi)
 - CHANNELS, ANGLES, PLATES 1/2" THICK OR LESS AND MISCELLANEOUS STEEL SHALL BE A.S.T.M. A36 (Fy=36 ksi, Fu=58 ksi)
 - PLATES GREATER THAN 1/2" THICK SHALL BE A.S.T.M. A572 GR. 50 (Fy=50 ksi, Fu=65 ksi)
 - HF SHAPES SHALL BE A.S.T.M. A572 (Fy=50 ksi, Fu=65 ksi)
 - RECTANGULAR AND SQUARE HSS SHALL BE A.S.T.M. A500 GRADE B (Fy=46 ksi, Fu=58 ksi)
 - ROUND HSS SHALL BE A.S.T.M. A500 GRADE B (Fy=42 ksi, Fu=58 ksi)
 - PIPE SHALL CONFORM TO A.S.T.M. A53 GRADE B (Fy=35 ksi, Fu=50 ksi)
- ALL ENDS OF EXPOSED STRUCTURAL SHAPES & HOLLOW STRUCTURAL SHAPED STEEL MEMBERS SHALL HAVE 1/4" CAP PLATE WITH PARTIAL PENETRATION WELDS, U.N.O., GRIND SMOOTH, A.E.S.S.
- ALL STEEL BEAMS SHALL HAVE INSTALLED STANDARD MILL TOLERANCE UPT, TYP., U.N.O.
- FILLER METAL AND WELDING FLUX E70XX IN ACCORDANCE WITH A.I.S.C. D1.1-2010.
- WHERE LATERAL FORCE RESISTING CAPACITIES OCCUR, A DOUBLE NUT SHALL BE PROVIDED ABOVE THE BASE PLATE AT ALL THREADED ROD/BOLT LOCATIONS.
- 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.

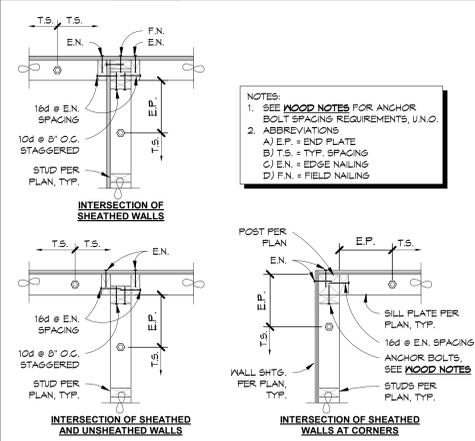
E1 STEEL NOTES	
X/S102	NOT TO SCALE

NAILING SCHEDULE

#	CONNECTION	FASTENING	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
7	SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3 - 16d @ 16" O.C.	BRACED WALL PANELS
8	TOP PLATE TO STUD	2 - 16d	END NAIL
9	STUD TO SOLE PLATE	4 - 8d 2 - 16d	TOENAIL END NAIL
10	DOUBLE STUDS	16d @ 24" O.C.	FACE NAIL
11	DOUBLE 2X TOP PLATE	16d @ 16" O.C. 8 - 16d	FACE NAIL LAP SPLICE
12	3X TOP PLATE OVER 2X PLATE	20d @ 16" O.C. 8 - 20d	FACE NAIL LAP SPLICE
13	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d	TOENAIL
14	RM JOIST TO TOP PLATE	8d @ 6" O.C.	TOENAIL
15	TOP PLATES, LAPS & INTERSECTIONS	2 - 16d	FACE NAIL
16	CONTINUOUS HEADER, TWO PIECES	16d	16" O.C. @ EDGE
17	CEILING JOISTS TO PLATE	3 - 8d	TOENAIL
18	CONTINUOUS HEADER TO STUD	4 - 8d	TOENAIL
19	CEILING JOISTS LAPS OVER PARTITIONS	3" 16d MIN. TABLE 2309.10.4.1	FACE NAIL
20	CEILING JOISTS TO PARALLEL RAFTERS	3 - 16d TABLE 2309.10.4.1	FACE NAIL
21	RAFTER TO JOIST	3 - 8d	TOENAIL
22	1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d	FACE NAIL
23	1"x8" SHEATHING TO EA. BEARING	3 - 8d	FACE NAIL
24	UNDER THAN 1"x8" SHEATHING TO EACH BEARING	3 - 8d	FACE NAIL
25	BUILT-UP CORNER STUDS	16d	24" O.C.
26	BUILT-UP GIRDER AND BEAMS	20d @ 32" O.C.	FACE NAIL @ TOP AND BOTTOM STAG. ON OPPOSITE SIDES
27	2" PLANKS	16d	FACE NAIL @ ENDS AND @ EA. SPLICE
28	COLLAR TIE TO RAFTER	3 - 10d	FACE NAIL
29	JACK RAFTER TO HPF	3 - 10d	TOENAIL
30	ROOF RAFTER TO 2X RIDGE BEAM	2 - 16d 2 - 16d	TOENAIL FACE NAIL
31	JOIST TO BAND JOIST	3 - 16d	FACE NAIL
32	LEDGER STRIP	3 - 16d	FACE NAIL
33	WOOD STRUCTURAL PANELS AND PARTICLEBOARD, SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" @ 16" O.C. OR LESS 13/32" to 3/4" 1/8" to 1" 1 1/8" to 1 1/4"	6d 8d 10d, 8d 6d
34	SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	3/4" @ 16" O.C. 7/8" to 1" 1 1/8" to 1 1/4"	6d 8d 10d, 8d
35	PANEL SIDING (TO FRAMING)	1/2" @ 16" O.C. OR LESS 5/8"	6d 8d
36	FIBERBOARD SHEATHING	1/2"	6d NO 16 GA. STAPLE
37	INTERIOR PANELING	25/32"	6d NO 16 GA. STAPLE
38	EXTERIOR PANELING	1/4" to 3/8"	6d

- COMMON NAILS ARE REQUIRED TO BE USED U.N.O. COMMON NAIL PROPERTIES ARE AS FOLLOWS:
 - 6d = 0.135" x 2" LONG
 - 8d = 0.131" x 3" LONG
 - 10d = 0.148" x 3" LONG
 - 16d = 0.162" x 3 1/2" LONG
 - 20d = 0.192" x 4" LONG
- 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 2309.
- CORROSION-RESISTANT SIDING (6d - 1 1/8" x 106"; 8d - 2 3/8" x 128") OR CASING (6d - 2" x 90; 8d - 2 1/2" x 132) NAIL.
- 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. EN. & 12" O.C. F.N. FOR NONSTRUCTURAL APPLICATIONS.
- NAILS SPACED 6" @ PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
- ROOF SHEATHING APPLICATIONS, 8d ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
- NAILING DRIVEN INTO PRESERVATIVE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED OR EQUIVALENT.
- STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16".
- 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.
- CORROSION-RESISTANT STAPLES WITH NOMINAL 1/16" 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).
- FASTENERS SPACED 4" O.C. EN. & 8" O.C. F.N. FOR SUBFLOOR AND WALL SHEATHING AND 3" O.C. EN. AND 8" O.C. F.N. FOR ROOF SHEATHING.
- FASTENERS SPACED 4" O.C. EN. AND 8" O.C. F.N.
- THIS SCHEDULE WILL GOVERN UNLESS NOTED OTHERWISE ON PLANS.

E4 NAILING SCHED. C.B.C. TABLE 2304.9.1	
X/S102	NOT TO SCALE



A4 STUD WALL FRAMING AT CORNERS	
X/S102	NOT TO SCALE

- ALL BOLTS SHALL BE MACHINE MADE TYPE F1554 GRADE 36 U.N.O.
- BOLT HOLES IN WOOD SHALL BE OVERSIZED BY NOT MORE THAN 1/32".
- 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.

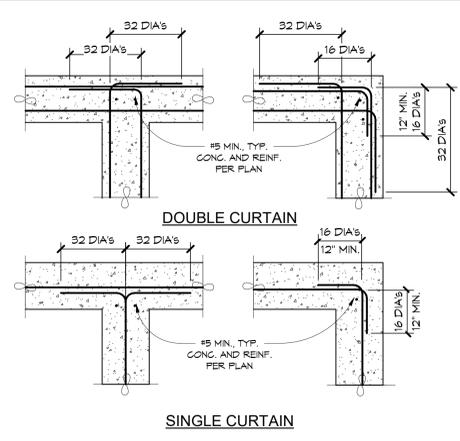
WASHER SCHEDULE

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

- BOLTS AND SCREWS SHALL BE TIGHTENED AT TIME OF ERECTION AND RE-TIGHTENED BEFORE CLOSING IN OR AT COMPLETION OF JOB.
- ANCHOR AND/OR SILL BOLTS WITH UPSET THREADS ARE NOT PERMITTED.
- SILL PLATES UNDER ALL EXTERIOR AND BEARING WALLS SHALL BE BOLTED TO MASONRY OR CONCRETE WITH 5/8" x 12" BOLTS SPACED NOT MORE THAN 48" ON CENTER, WITH A MIN. OF 2 BOLTS FOR EACH PIECE OF SILL PLATE, U.N.O. SHEAR WALLS ABOVE 2 STORES SHALL HAVE BOLTS SPACED NOT MORE THAN 4'-0" O.C., U.N.O. ALL SILL PLATE ANCHOR BOLTS SHALL HAVE A MINIMUM 4" x 1/4" SLOTTED PLATE WASHERS (OR SIMPSON EPS) 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.
- ALL ANCHOR BOLTS IN WOOD SHALL BE SPACED 4 INCH MINIMUM AND 12 INCH MAXIMUM FROM END OF THE SILL PLATE, AND HAVE 1 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.
- ALL ANCHOR BOLTS IN WOOD SHALL BE PRESERVATIVE-TREATED D.P.F. 2X OF THE SAME WIDTH AS STUDS, U.N.O. ALL PRESERVATIVE-TREATED D.P.F. SHALL BEAR THE AMP/B QUALITY MARK. ALL CUTS OR HOLES SHALL BE PRE-TREATED PRIOR TO INSTALLATION.
- NO SILL PLATE PIECE SHALL END WITHIN THE LENGTH OF SHEAR PANEL UNLESS SPECIFICALLY SHOWN AND DETAILED ON THE PLANS.
- ALL EXPOSED FASTENERS SHALL HAVE ZINC-COATING CORROSION RESISTANCE.
- ALL FASTENERS AND HARDWARE IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE RETARDANT PLYWOOD 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, THINNER 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 MN.
- DIAPHRAGM AND SHEAR WALL NAILING SHALL CONFORM TO SECTION 2309.3 OF C.B.C. 2019.
- NAILS SHALL NOT BE OVER DRIVEN AS TO CAUSE CRUSHING OF FACILITY.
- WHERE GULING OF PLYWOOD IS REQUIRED, INSURE THAT CONTACT SURFACES ARE FREE OF DIRT, 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 GROOVE PANELS AS WORK PROGRESSES. ADHESIVE SHALL CONFORM TO A.P.A. SPEC AF-01.
- ALL STRUCTURAL WOOD SHALL CONFORM WITH THE FOLLOWING SPECIFICATIONS:
 - DOUGLAS FIR - LARGH U.S. PRODUCT STANDARD PS1-01 FOR SOFTWOOD PLYWOOD
 - PLYWOOD U.S. PRODUCT STANDARD PS1-01 FOR SOFTWOOD PLYWOOD
- 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
 - STRUCTURAL PLYWOOD PLYWOOD SHEATHING, GROUP 1, EXP. 1, U.N.O.
- PREDRILL HOLES WHERE WOOD TENDS TO SPLIT.
- 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.
- 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 3/8" AND SMALLER DIAMETER LAG SCREWS PROVIDED THAT EDGE DISTANCES, END DISTANCES, AND SPACING ARE SUFFICIENT TO PREVENT UNUSUAL SPLITTING.
- SEE NAILING SCHEDULE FOR MINIMUM NAILING REQUIREMENTS.
- USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION FOR EACH PROJECT AND TO THE APPROVAL OF 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.

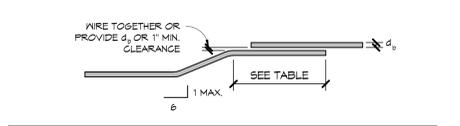
- ALL LVL TO BE REPLAM AS MANUFACTURED BY REDBULL, OR EQUIVALENT. SEE STRUCTURAL PLANS FOR SPECIFIC INFORMATION ON THE LVL'S BEING USED ON THIS PROJECT. SUBSTITUTE LVL'S MUST BE SUBMITTED AND APPROVED BY THE BUILDING DEPARTMENT AS A CHANGE ORDER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BEAR ALL COSTS OF OBTAINING APPROVAL OF SUBSTITUTES, WITH NO GUARANTEE THAT THE SUBSTITUTE WILL BE ACCEPTED.
- DESIGN AND FABRICATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2014 C.B.C. AND I.C.C. E.S. REPORT E.S.R.-2493.
- ALLOWABLE STRESS INCREASES FOR LOAD DURATION SHALL BE:
 - WIND OR SEISMIC 1.6
 - ROOF 1.25
 - SNOW 1.15
 - FLOOR 1.0
- ALLOWABLE STRESS INCREASES FOR REPETITIVE MEMBERS SHALL BE NOT BE TAKEN GREATER THAN 1.0 PER N.D.S.-19 SECTION B.3.1.
- NO HOLES OR NOTCHES OF ANY KIND ARE ALLOWED IN ANY LVL'S, UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
- 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.
- LVL MEMBERS SHALL MEET THE MINIMUM PROPERTIES SHOWN BELOW:
 - Fb = 2,100 PSI
 - Fv = 295 PSI
 - Fc (PERPENDICULAR) = 2,350 PSI
 - Fc (PARALLEL) = 2,150 PSI
 - E = 2,000,000 PSI
 - Emin. = 965,710 PSI

E7 WOOD NOTES	
X/S102	NOT TO SCALE



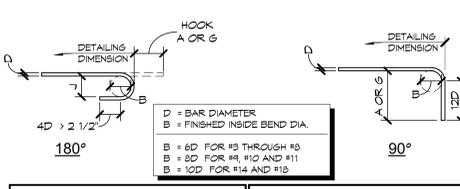
N1 REBAR PLACEMENT AT INTERSECTIONS	
X/S102	NOT TO SCALE

LAP LENGTH (3,000 PSI CONCRETE)										
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11	
BOTTOM BAR	16"	24"	36"	48"	62"	72"	81"	91"	101"	
TOP BAR	21"	30"	47"	56"	81"	94"	105"	110"	131"	

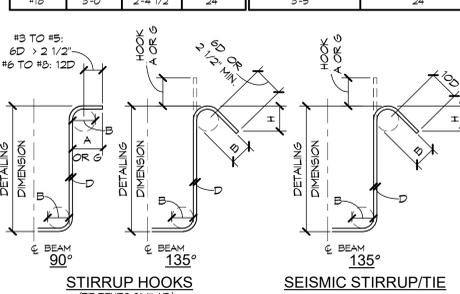


- NOTES:
- SPLICES ARE SHOWN IN 6 INCHES AND SHALL CONFORM TO CLASS 'B' SPLICES AS PER A.C.I.318-14, FOR 3,000 PSI CONCRETE.
 - SPLICE LENGTHS ASSUME THE MODIFICATION FACTORS OF A.C.I.318-14 SECTIONS 25.1.1 ARE 1.0. FOR OTHER CONDITIONS PROVIDE SPLICE LENGTHS IN ACCORDANCE WITH A.C.I.318-14.
 - USE THE 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



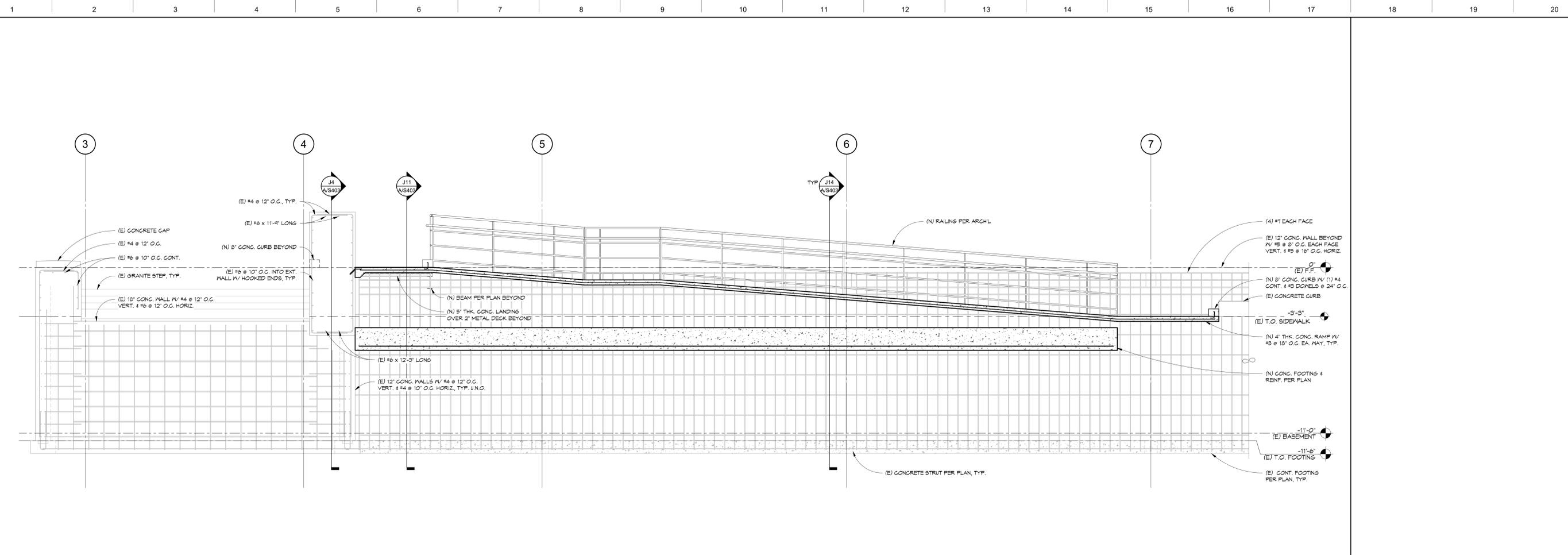
BAR SIZE	DIMENSION OF STD. 180° HOOKS, ALL GRADES				DIMENSION OF STD. 90° HOOKS, ALL GRADES			
	A O R G	J	B		A O R G	J	B	
#3	5"	3"	2 1/4"	6"	5"	3 3/4"	4 1/2"	5 1/4"
#4	6"	4"	3"	8"	6"	4 1/2"	5 1/4"	6"
#5	7"	5"	3 3/4"	10"	7"	5 1/4"	6"	7 1/4"
#6	8"	6"	4 1/2"	11"	8"	6"	6"	8"
#7	10"	7"	5 1/4"	12"	9"	6 1/2"	6"	9 1/2"
#8	11"	8"	6"	14"	10"	7"	7"	10"
#9	13"	1-11/16"	7 1/2"	15"	11"	7 1/2"	7 1/2"	11 1/2"
#10	15"	1-1 1/4"	10 3/4"	17"	13"	8 1/2"	8 1/2"	13 1/2"
#11	17"	1-2 3/4"	12"	20"	15"	10"	10"	15"
#14	21"	1-4 3/4"	18 1/4"	24"	19"	12 1/2"	12 1/2"	19 1/4"
#18	30"	2-4 1/2"	24"	30"	24"	18 1/2"	18 1/2"	24"



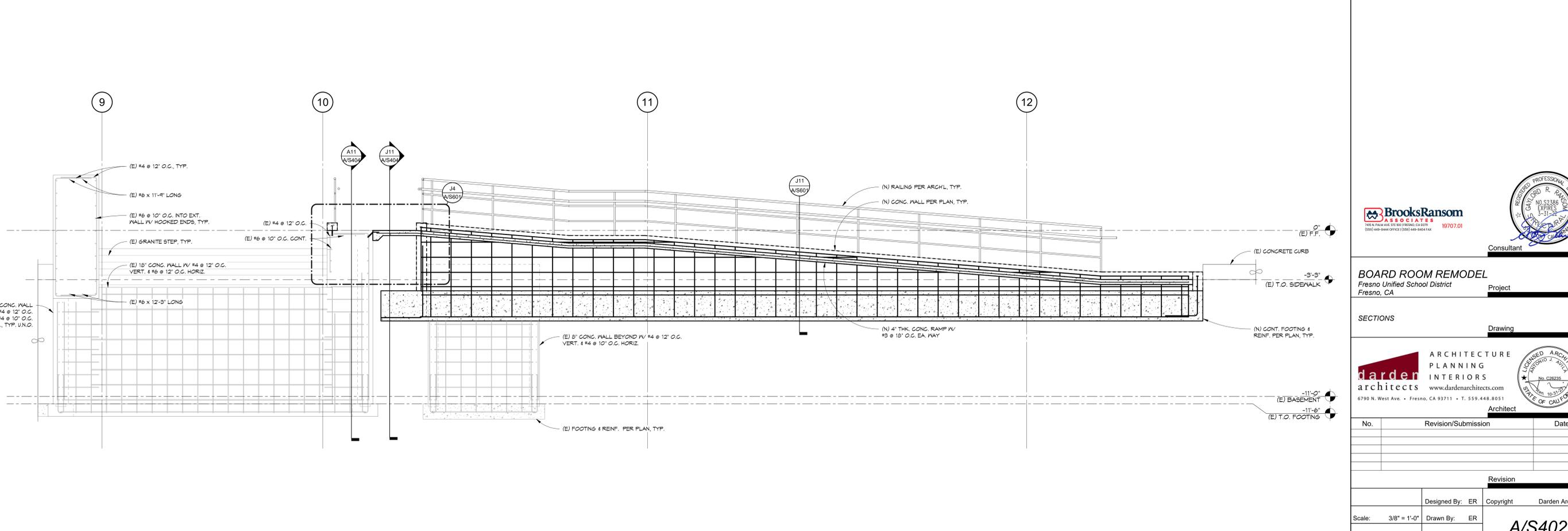
BAR SIZE	90°			135°			135° SEISMIC HOOK					
	B	A O R G	APPROX. H.	SIZE	B	A O R G	APPROX. H.	SIZE	B	A O R G	APPROX. H.	
#3	1 1/2"	4"	4"	2 1/2"	#3	1 1/2"	4 1/4"	3"	#3	1 1/2"	4 1/4"	3"
#4	2"	4 1/2"	4 1/2"	3"	#4	2"	4 1/2"	3"	#4	2"	4 1/2"	3"
#5	2 1/2"	5"	5 1/2"	3 3/4"	#5	2 1/2"	5 1/2"	3 3/4"	#5	2 1/2"	5 1/2"	3 3/4"
#6	4 1/2"	10"	9"	4 1/2"	#6	4 1/2"	9"	4 1/2"	#6	4 1/2"	9"	4 1/2"
#7	5 1/4"	12"	9"	5 1/4"	#7	5 1/4"	9"	5 1/4"	#7	5 1/4"	9"	5 1/4"
#8	6"	14"	10 1/2"	6"	#8	6"	10 1/2"	6"	#8	6"	10 1/2"	6"

A11 STANDARD REBAR HOOKS	
X/S102	NOT TO SCALE

- FOUNDATIONS SHALL BEAR ON ENGINEERED FILL OR NATIVE SOIL. A MINIMUM OF 30" BELOW ADJACENT GRADE OR FINISHED GRADE U.N.O. IN A SOILS REPORT.
- 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"
- MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS:
 - 4000 PSI NORMAL HEIGHT CONCRETE OVER METAL DECK
 - 3000 PSI NORMAL HEIGHT CONCRETE OVER METAL DECK
 - 3000 PSI NORMAL HEIGHT FOOTINGS
 - 3000 PSI NORMAL HEIGHT COLUMNS & WALLS
- MAXIMUM WATER CEMENT RATIOS SHALL BE AS FOLLOWS:
 - SLAB ON GRADE: 0.45
 - CONCRETE OVER METAL DECK: 0.45
 - FOOTINGS: 0.50
 - COLUMNS & WALLS: 0.50
- THICKNESS OF CONCRETE FILL OVER METAL DECK PER PLANS ARE MINIMUM THICKNESS. CONTRACTOR SHALL MAKE ALLOWANCES FOR ADDITIONAL FIELD REQUIRED TO COMPENSATE FOR BEAM AND DECK DEFLECTIONS AND TO MAINTAIN SURFACE TOLERANCES PER PLANS AND SPECIFICATIONS.
- THE FOLLOWING ARE MINIMUM CONCRETE COVER DIMENSIONS PER A.C.I. 318-14 SECTION 20.6.1:
 - 4000 PSI NORMAL HEIGHT CONCRETE TO FACE OF CONCRETE: ALL REINFORCING SHALL MAINTAIN THE FOLLOWING CLEAR DISTANCES, U.N.O.
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER: (NO. 8 THROUGH NO. 18) 1 1/2"
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 - SLABS, WALLS AND JOISTS: (NO. 14 AND NO. 18) 1 1/2"
 - (NO. 11 AND SMALLER) 3/4"
 - BEAMS AND COLUMNS: (ALL SIZES) 1 1/2"
 - SHELLS AND FOLDED PLATE MEMBERS: (NO. 6 AND LARGER) 3/4"
 - (NO. 5 AND SMALLER) 1/2"
 - PLACE REINF. AT MID-THICKNESS FOR SLABS ON GRADE.
- CONSTRUCTION LOADS SHALL NOT BE PLACED ON NEW CONCRETE CONSTRUCTION, INCLUDING CONCRETE TOPPING ON METAL DECK, FOR AT LEAST 7 DAYS AFTER CONCRETE PLACEMENT OR WITH APPROVAL BY ENGINEER.
- ALL SPLICES IN CONTINUOUS REINFORCEMENT USED IN WALLS, FOOTINGS, ETC. SHALL HAVE A MINIMUM LAP AS DESCRIBED IN THE TYPICAL LAP SPLICE DETAIL. SPLICES IN ADJACENT BARS SHALL NOT BE LESS THAN 4'-0" APART. VERTICAL WALL BARS SHALL BE SPICED AT OR NEAR BEAM AND SLABS, OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED.
- ALL REINFORCEMENT CROSSING CONSTRUCTION JOINTS SHALL BE CONTINUOUS, OR SHALL BE MADE EFFECTIVELY CONTINUOUS BY USE OF FULLY DEVELOPED LAP SPLICES, DOVELLS (WITH LAPPED SPLICES) OR APPROVED COUPLERS.
- HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSE CLEAN AGGREGATE SOLIDLY EMBEDDED.
- CONCRETE SHALL NOT BE DROPPED THROUGH REINF. STEEL (AS IN WALL) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 5'-0" AND A SUFFICIENT NUMBER OF CHUTES AND TRUNKS SHALL BE USED TO ENSURE THE CONCRETE REMAINS LEVEL AT ALL TIMES.
- ALL STEEL COLUMN BASE PL



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



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

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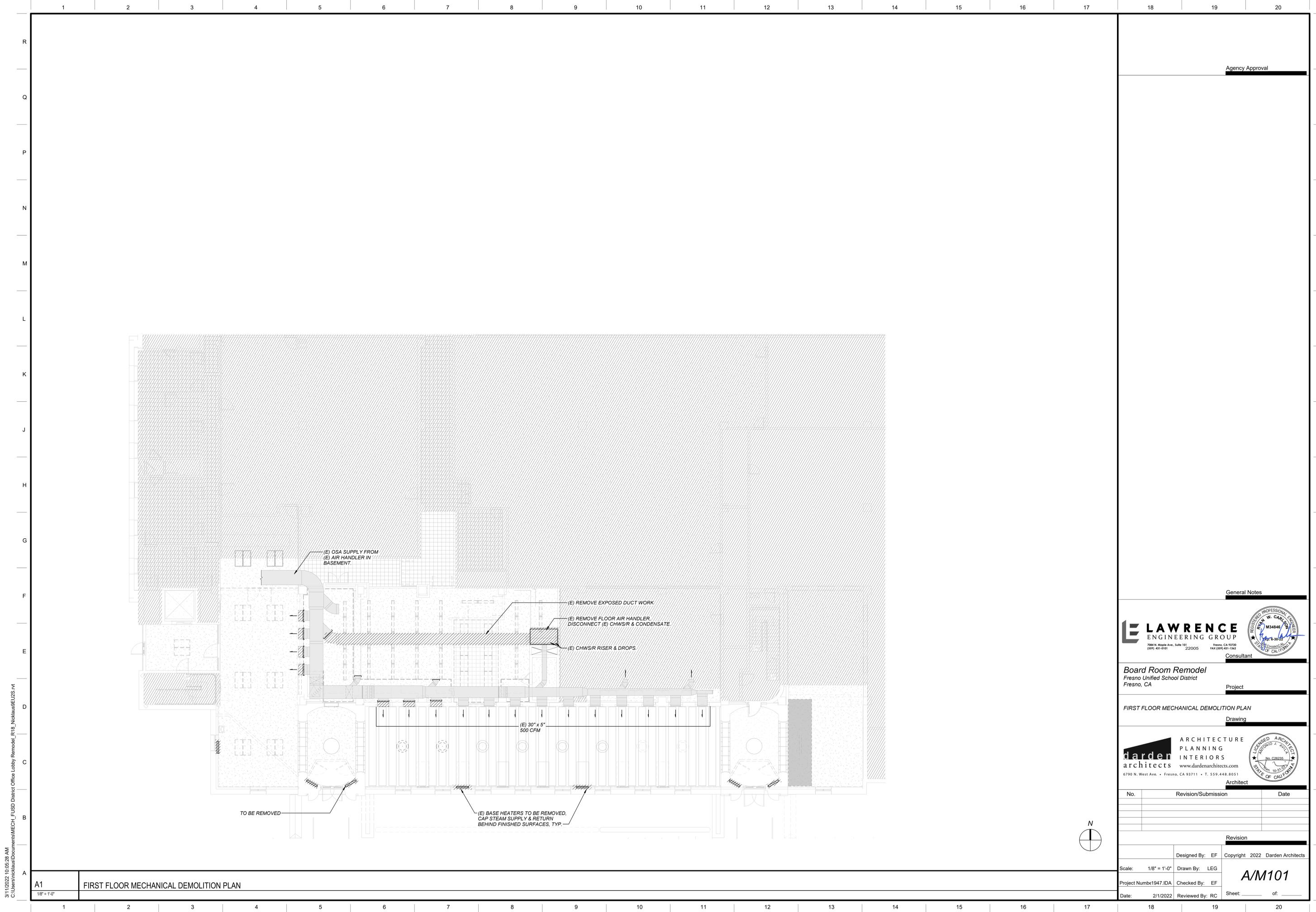


BOARD ROOM REMODEL
Fresno Unified School District
Fresno, CA

SECTIONS
Drawing



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Revision		
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A1 FIRST FLOOR MECHANICAL DEMOLITION PLAN

1/8" = 1'-0"

Agency Approval

General Notes

LAWRENCE
ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 Fresno, CA 93720
(509) 431-0101 22005 FAX (509) 431-1942



Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

FIRST FLOOR MECHANICAL DEMOLITION PLAN
Drawing

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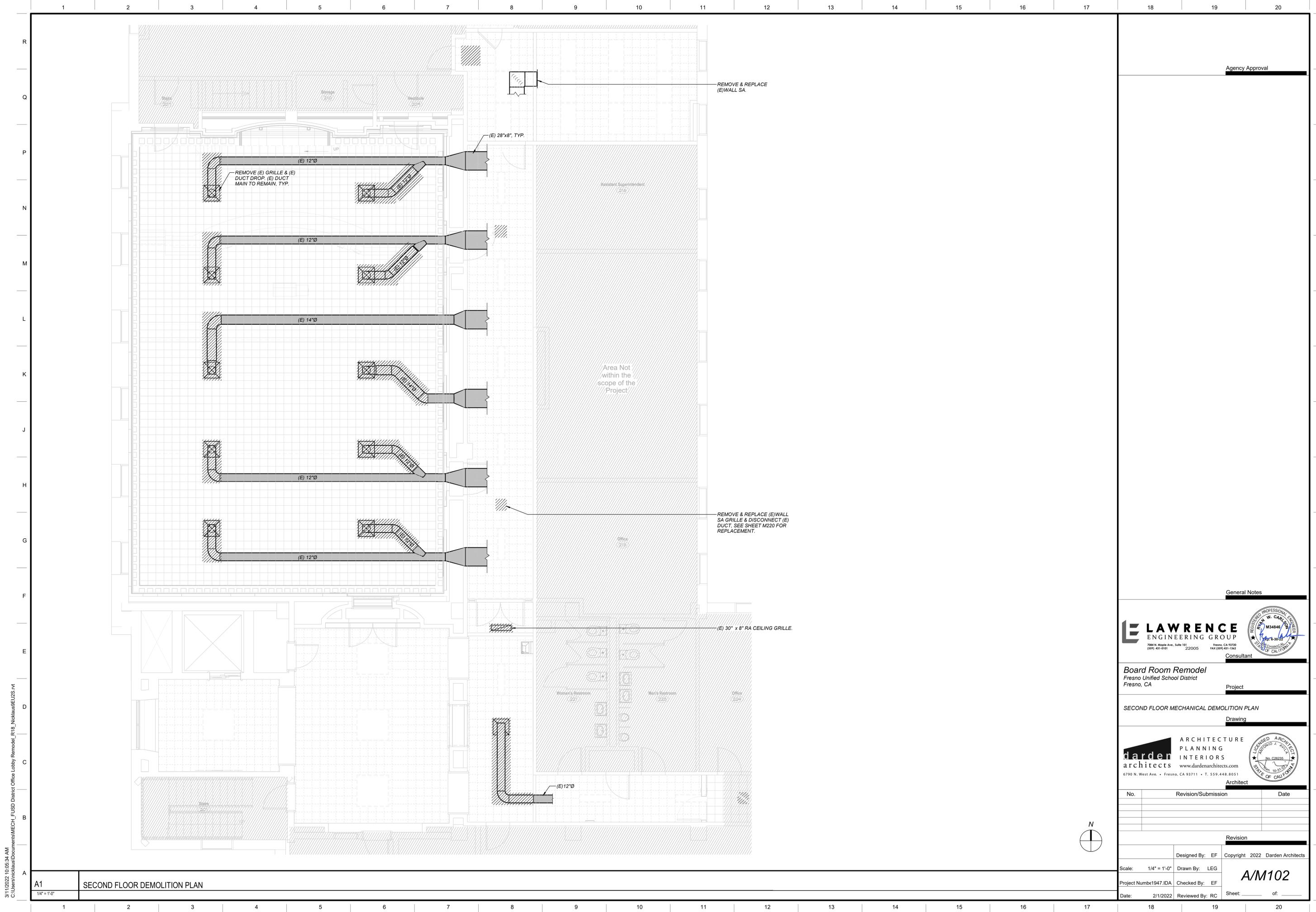
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A1 SECOND FLOOR DEMOLITION PLAN

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General Notes

LAWRENCE
ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 Fresno, CA 93720
(509) 431-0101 22005 FAX (509) 431-1942

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

SECOND FLOOR MECHANICAL DEMOLITION PLAN
Drawing

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

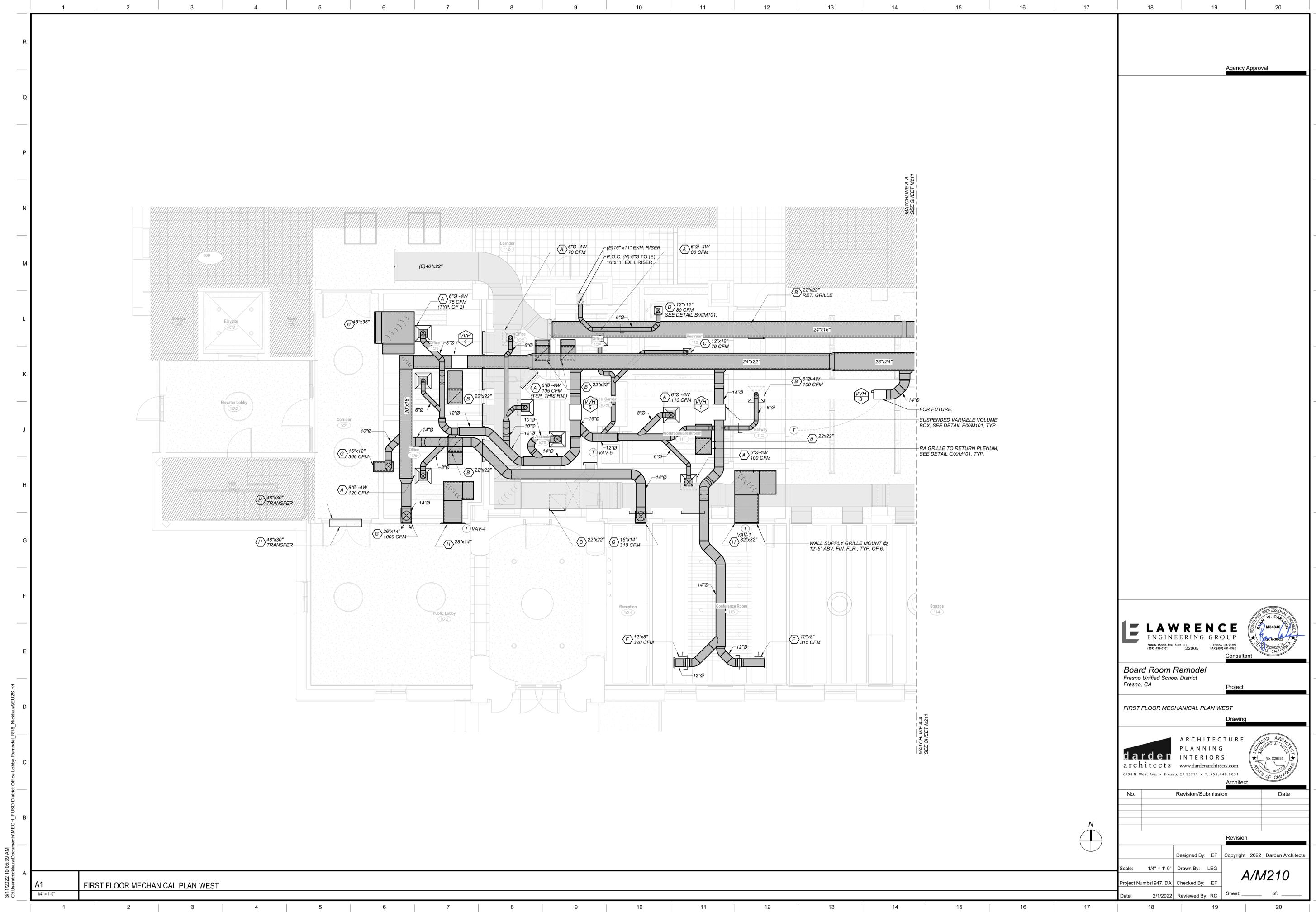
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No.	Revision/Submission	Date

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A/M102
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LAWRENCE ENGINEERING GROUP
 7084 N. Maple Ave., Suite 101 Fresno, CA 93720
 (509) 431-0201 FAX (509) 431-1943

Consultant

W. CARLSON
 REGISTERED PROFESSIONAL ENGINEER
 No. C29836
 MECHANICAL
 STATE OF CALIFORNIA

Board Room Remodel
 Fresno Unified School District
 Fresno, CA

Project

FIRST FLOOR MECHANICAL PLAN WEST

Drawing

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

Architect

W. CARLSON
 LICENSED ARCHITECT
 No. C29836
 STATE OF CALIFORNIA

No.	Revision/Submission	Date

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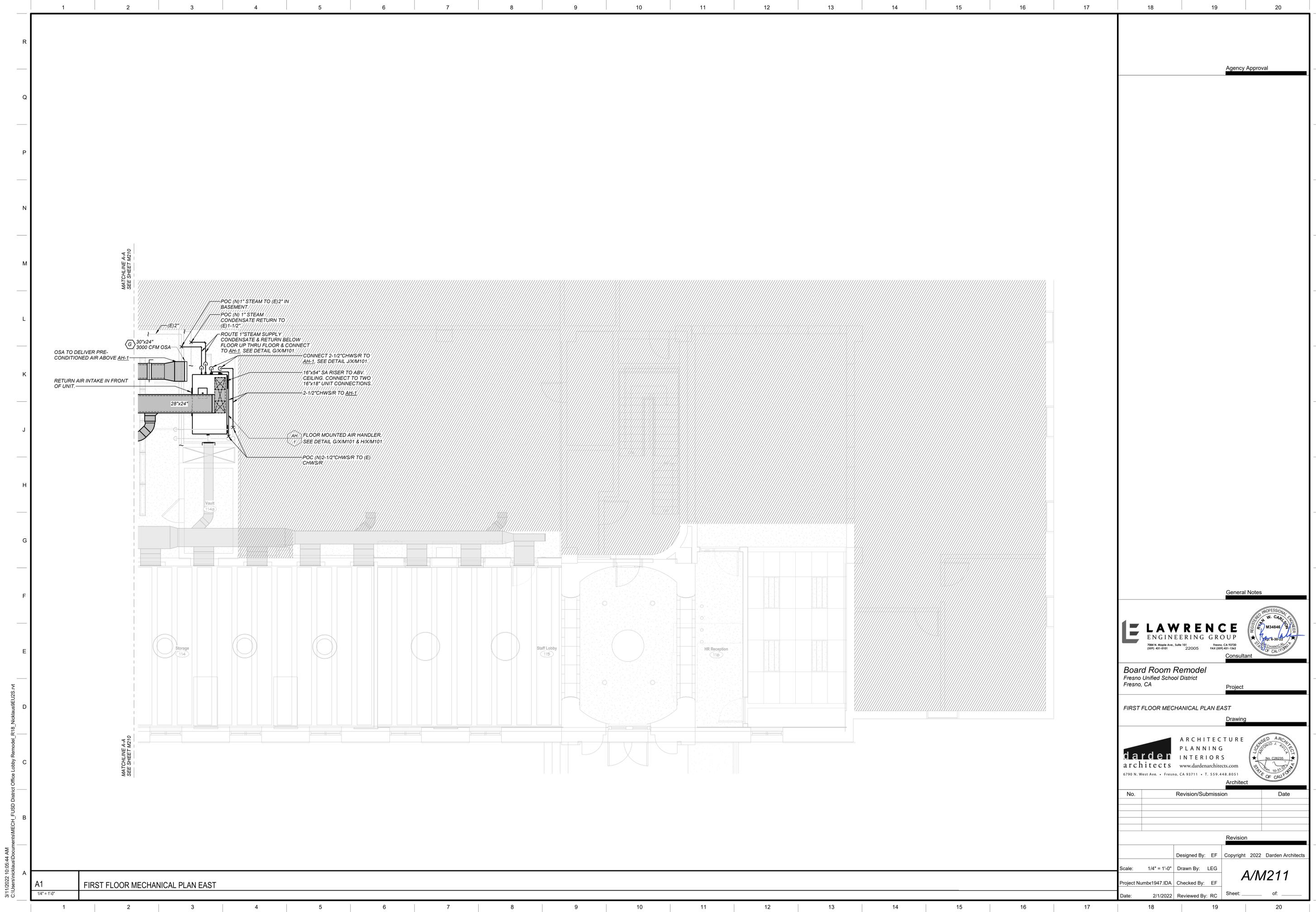
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A1 FIRST FLOOR MECHANICAL PLAN WEST



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General Notes

LAWRENCE ENGINEERING GROUP
 7084 N. Maple Ave., Suite 101 Fresno, CA 93720
 (559) 431-0101 22005 FAX (559) 431-1942

Consultant

Board Room Remodel
 Fresno Unified School District
 Fresno, CA

Project

FIRST FLOOR MECHANICAL PLAN EAST

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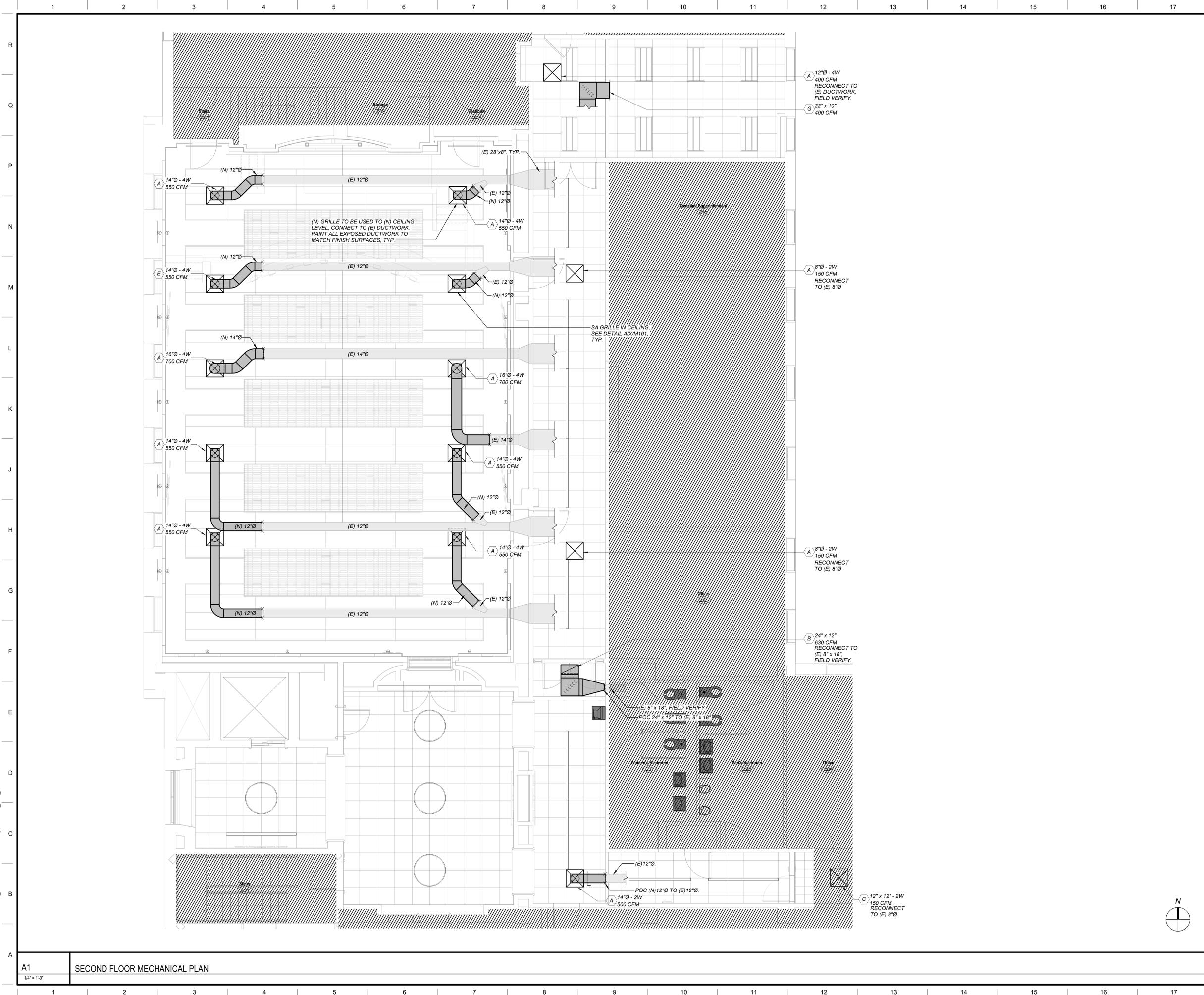
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LAWRENCE
ENGINEERING GROUP
7084 N. Maple Ave., Suite 101 Fresno, CA 93720
(509) 431-0101 22005 FAX (509) 431-1943

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

SECOND FLOOR MECHANICAL PLAN

Drawing

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A/M220

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A1 SECOND FLOOR MECHANICAL PLAN

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	DESCRIPTION	CATALOG#	LAMP	WATTS	VOLT	MOUNTING	REMARKS
A	ABL - LITHONIA	2X4 TROFFER	2BLT4 40L AD5M E21 LP835 N100	LED	31.7	MVOLT	RECESSED	NLIGHT
AE	ABL - LITHONIA	2X4 TROFFER	2BLT4 40L AD5M E21 LP835 E10WLCP N100	LED	31.7	MVOLT	RECESSED	NLIGHT
A1	ABL - LITHONIA	2X2 TROFFER	2BLT2 RB 33L AD5M E21 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-BTW-LP-SC-UNV-XX-DM01	LED	89.6	MVOLT	RECESSED	
D16E	PRUDENTIAL LTG	RECESSED SLOT	BPRO4-REC-FLSH-LED35-MO-16FT-TMW-BTW-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	3048-18-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-C80-RC1-BLK-BLKE-BLKE-3983	LED	13.7	MVOLT	PENDANT	
G1	PATHWAY LIGHTING	CYLINDER	C86-A-V-1035VW9-2035VW9-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 L04AR LSS MVOLT G21	LED	10.6	MVOLT	RECESSED	
JE	ABL - LITHONIA	DOWNLIGHT	LDN4 35/10 L04AR LSS MVOLT G21 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-L0-4FT-XXX-SAL-NU-SC-UNV-WM-X3-DM01	LED	15.2	MVOLT	WALL	WALL
K	ABL - ACLUX	DOWNLIGHT	AX3-A-64-12L-M-34K-80CRI-350-G21-MVOLT-3CP-3C-HB26	LED	12	MVOLT	RECESSED	ADJUSTABLE

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 #NFCOM-DX-WH
- LIGHTING CONTROL SYSTEM MASTER LCD STATION FOR BOARD ROOM LITHONIA #NFC-7512N-DBL
- LIGHTING CONTROL SYSTEM OCCUPANCY SENSOR, CEILING MOUNTED. LITHONIA #NFCOM-PDT-10-R8B
- LIGHTING CONTROL SYSTEM OCCUPANCY SENSOR/PHOTOCELL, CEILING MOUNTED. LITHONIA #NFCOM-PDT-10-R8B-BOX
- LIGHTING CONTROL SYSTEM DIMMING POWER PACK. LITHONIA #HPP16-D
- LIGHTING SYSTEM RELAY PACK
- LIGHTING CONTROL SYSTEM BRIDGE. LITHONIA #NBRG-8
- LIGHTING CONTROL SYSTEM GATEWAY. LITHONIA #NHW2
- LINE VOLTAGE MOTION SENSOR
- DUPLEX RECEPTACLE, WALL MOUNTED +15" TO BOTTOM OF BOX, U.O.N.
- DUPLEX RECEPTACLE, WALL MOUNTED AT TELEVISION
- FOUR-FLEX 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
- TRANSFORMER
- PANELBOARD
- TERMINAL CABINET OR CONTROL PANEL AS NOTED
- EXISTING CONDUIT/WIRING TO BE DEMOLISHED
- WIRES IN CONDUIT, CONCEALED IN WALL OR CEILING
- 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 SEC 250. (LARGE HATCHES ARE NEUTRAL CONDUCTORS, SMALL HATCHES ARE HOT OR SWITCH-LEG CONDUCTORS, CURVED HATCHES ARE 0-10V PURPLE & GREY CONDUCTORS)
- PANELBOARD
- EXISTING
- NEW

DSA File No.: 10-119

DSA Application No.: 02-119598

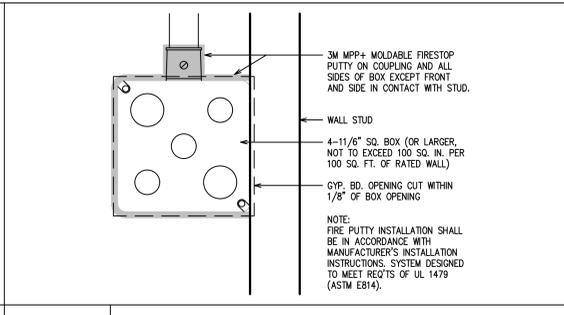
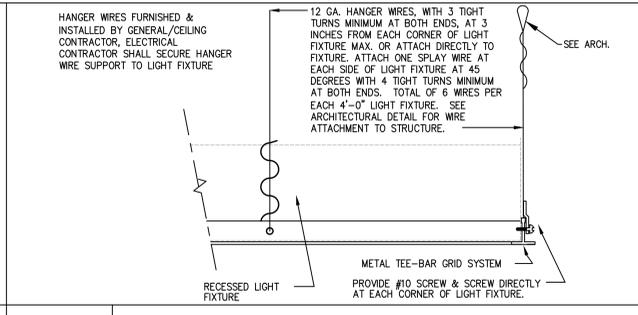
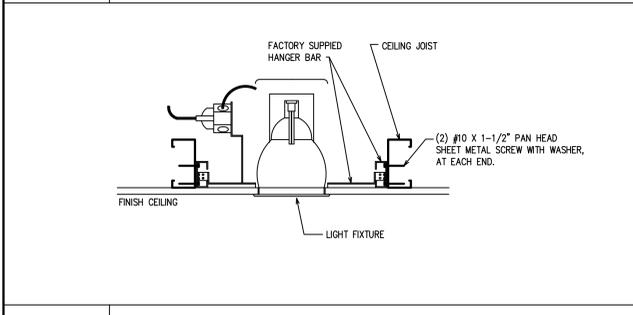
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GENERAL ELECTRICAL NOTES:

- 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.
- 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.
- THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
- ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM. REPAIR OR REPLACE EXISTING ITEMS DAMAGED DURING CONSTRUCTION. LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION.
- ELECTRICAL EQUIPMENT SHALL HAVE A TESTING LABORATORY LABEL ATTACHED (U.L., C.S.A., ETC.).
- ELECTRICAL EQUIPMENT SHALL BE SUITABLE FOR AVAILABLE SHORT CIRCUIT CURRENT.
- 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 MEASURER TESTED PRIOR TO ENERGIZING.
- ALL WIRING SHALL BE INSTALLED IN METALLIC CONDUIT OR MC CABLE. CONCEAL WIRING IN WALLS WHERE POSSIBLE.
- ELECTRICALS 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 (916) 286-3000 TO REPORT ANY VIOLATION OF THIS REQUIREMENT.
- PROVIDE UPDATED TYPED PANEL DIRECTORIES FOR ALL PANELS WITH NEW CIRCUITS.
- COORDINATE ALL WORK WITH 'AV' DESIGN & PROVIDE AV CABLING PATHWAYS.
- VERIFY WITH DISTRICT ALL DATA MDF & IDF LOCATIONS & UPGRADES FOR NEW DATA CABLING.
- PROVIDE CONCRETE & OPERATING WIRED NIGHT LIGHTING CONTROL SYSTEMS. COMPLETE WITH SUBMITTALS FOR EACH ROOM.

M1 LIGHTING FIXTURE SCHEDULE

No Scale



J1 TYPICAL RECESSED CAN LIGHT MOUNTING DETAIL

No Scale

J5 T-BAR LAY-IN LIGHT FIXTURE MOUNTING DETAIL

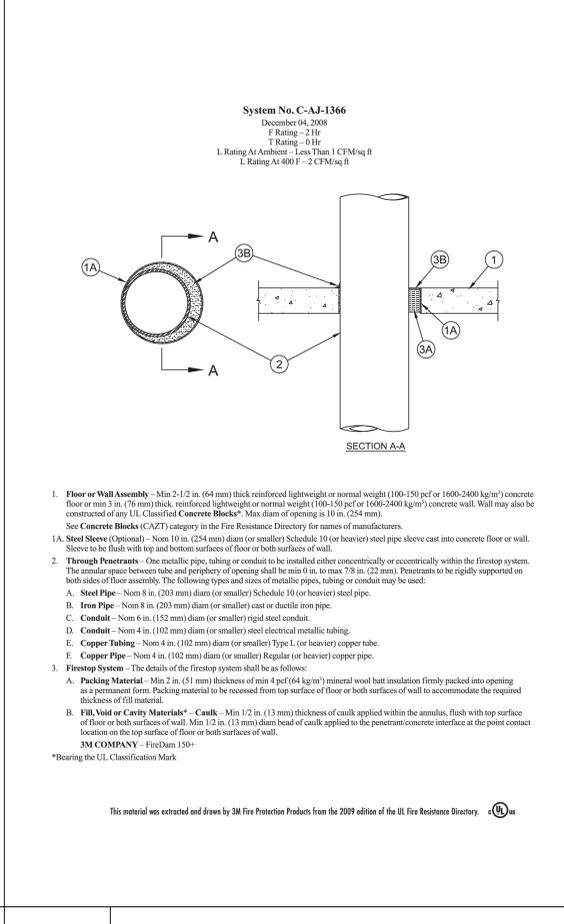
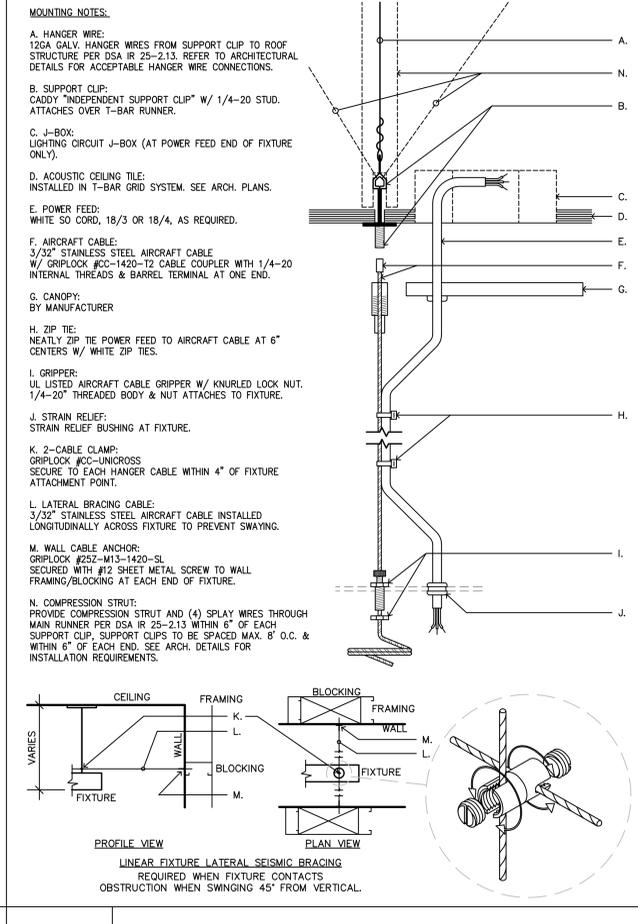
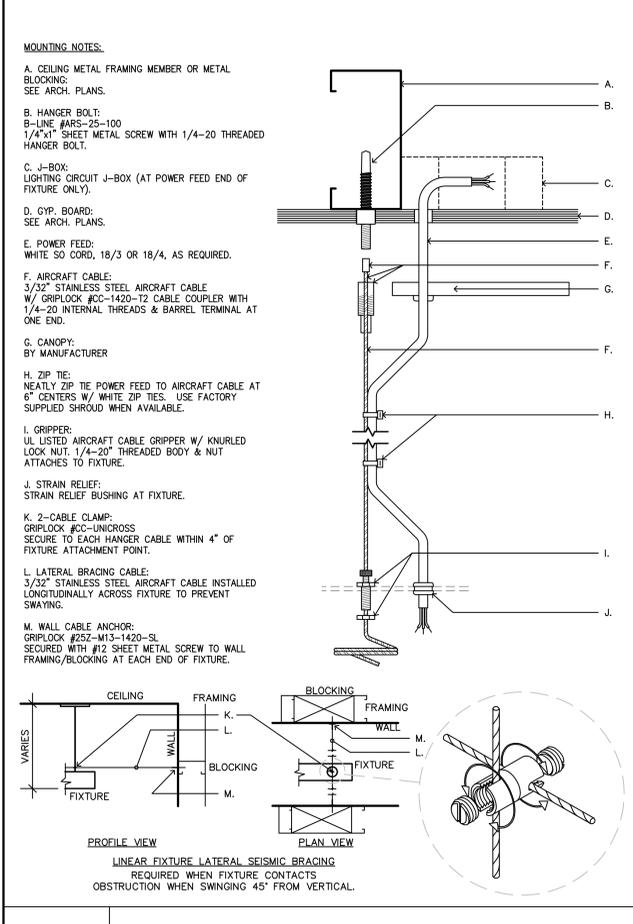
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J10 ELECTRICAL BOX IN FIRE RATED WALL DETAIL

No Scale

J14 ELECTRICAL SYMBOLS

No Scale



G18 FIRE ALARM SYSTEM NOTES

No Scale

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

Consultant

Board Room Remodel
Fresno Unified School District
Fresno, CA

Project

ELECTRICAL INFORMATION

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

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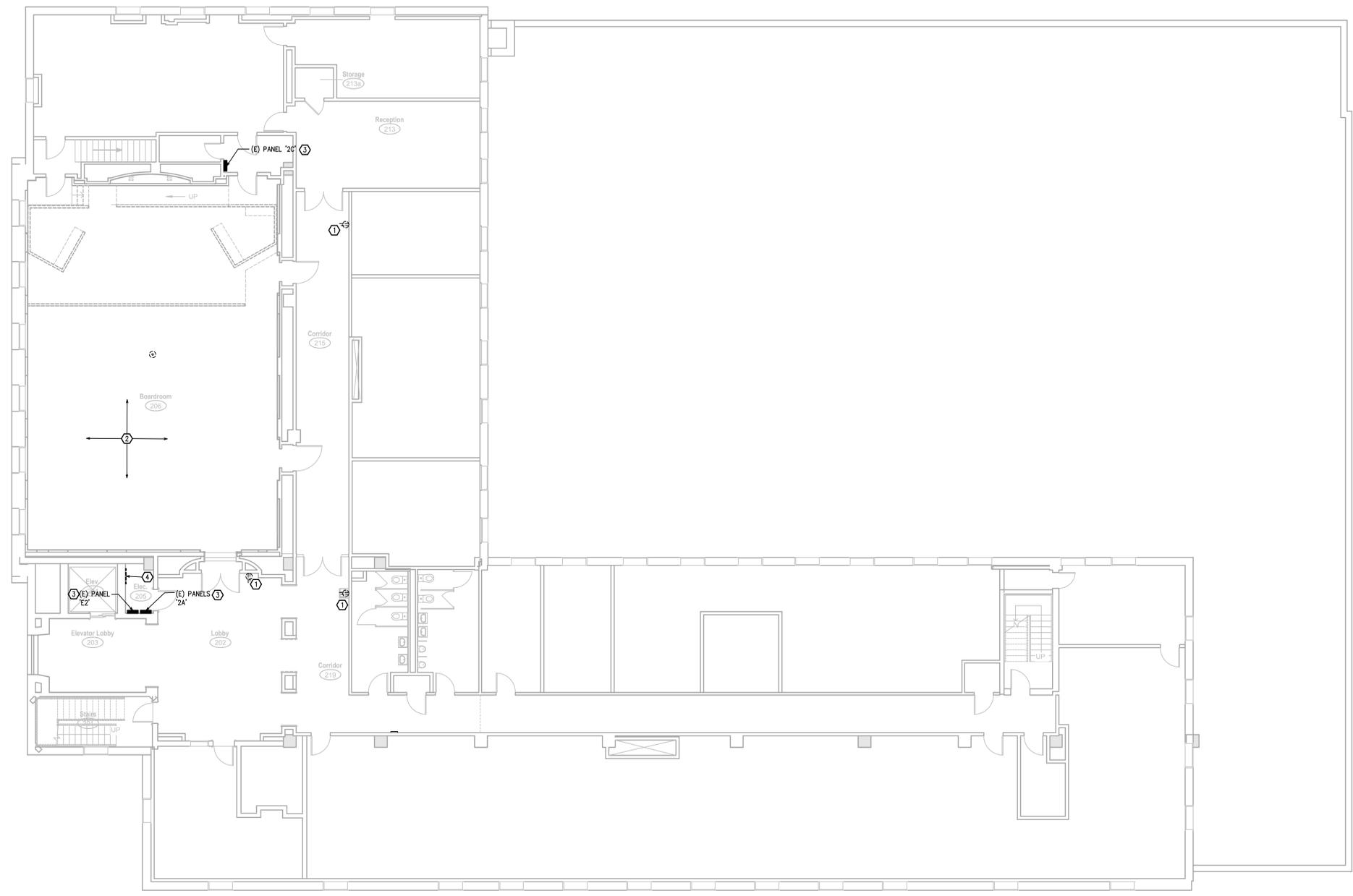
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DSA File No.:
10-119

DSA Application No.:
02-119598

Agency Approval

DRAWING KEY NOTES

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.

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

Board Room Remodel
 Fresno Unified School District
 Fresno, CA
 Project

DEMOLITION PLAN - SECOND FLOOR
 Drawing

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

No.	Revision/Submission	Date

Revision

Scale: As indicated
 Project Number: 1947-IDA
 Date: 03/30/2022

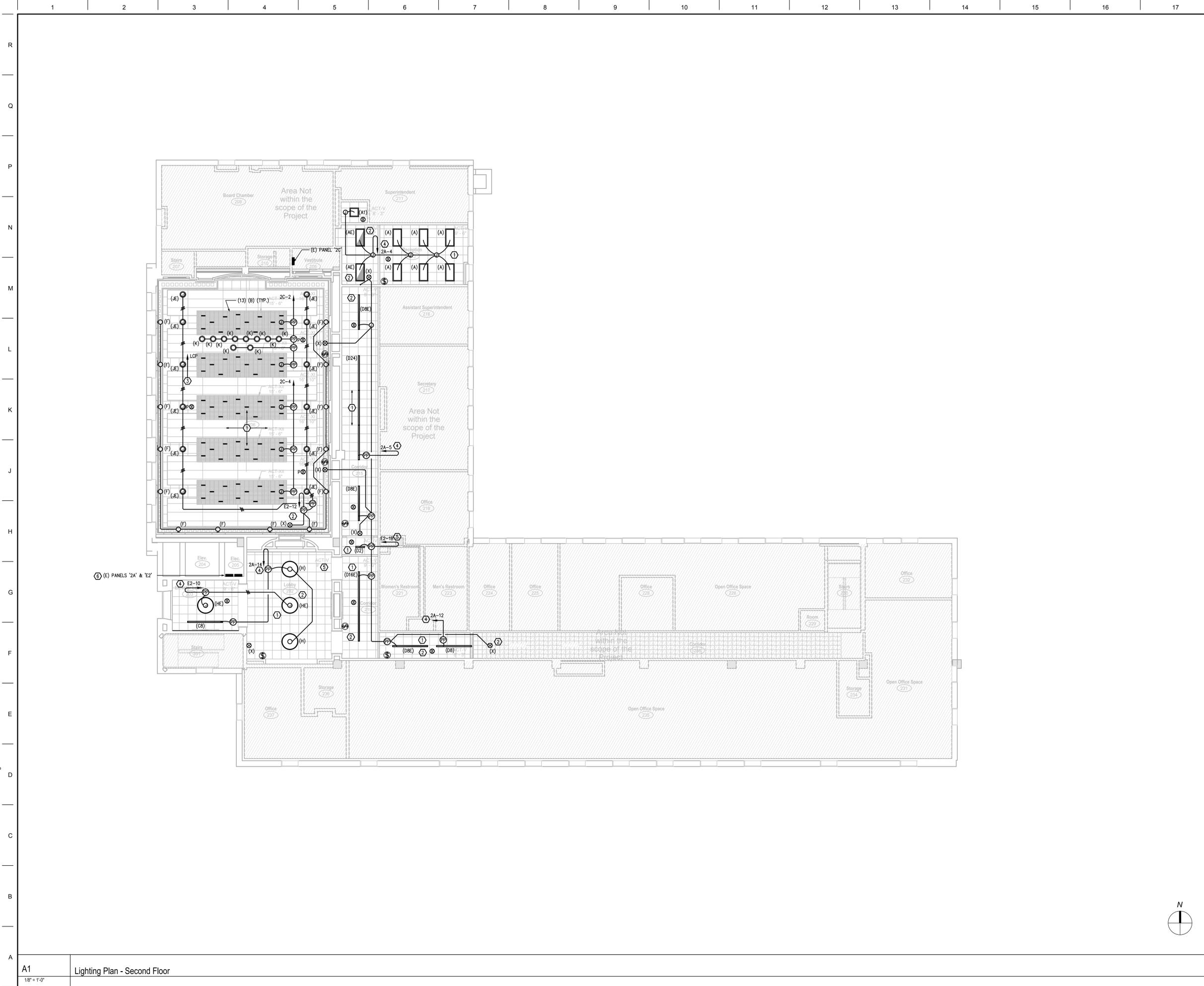
Designed By: RH
 Drawn By: HDE
 Checked By: RH
 Reviewed By: RH

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A/E004

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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 LIGHT CONTROLS WITH ALL REQUIRED NIGHT 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.



Hardin-Davidson Engineering
 356 Pollasky Ave., Suite 200, Clovis, CA 93612
 559.323.4955 tel • 559.323.4928 fax
 www.hardin-davidson.com

Consultant



Board Room Remodel
 Fresno Unified School District
 Fresno, CA

Project

LIGHTING PLAN - SECOND FLOOR
 Drawing



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

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
Date: 03/30/2022	Reviewed By: RH

A/E102

Sheet: _____ of: _____

A1 Lighting Plan - Second Floor

1/8" = 1'-0"

