

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

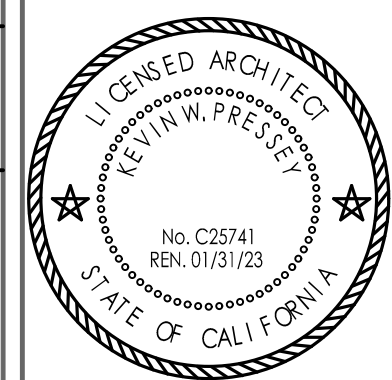

OPERATION & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON, PLAN CHECK COMMITTEE

DATE

PRESSEY & ASSOCIATES
 AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
 Tel 916-346-4280



ABBREVIATIONS			
ACC. & Z @	ACCESSIBLE AND ANGLE AT	INCL. INSUL	INCLUDE INSULATION
A.B.	ANCHOR BOLT	J-BOX JT.	ELECTRICAL JUNCTION BOX JOINT
A.C.	ASPHALTIC CONCRETE	LAV. LB.	LAVATORY POUND
A.F.F.	ABOVE FINISH FLOOR		
APPROX.	APPROXIMATE		
BLDG. BLK. BLKG. BM B.O.	BUILDING BLOCK BLOCKING BEAM BOTTOM OF	MAX. MB. MECH. MFR. MIN. MTL.	MAXIMUM MACHINE BOLT MECHANICAL MANUFACTURER MINIMUM METAL
€	CENTERLINE	(N)	NEW
CEM. CHKD. CLR. C.J. COL. COMP. CONC. CONN. CNTR. CONT. CNT.	CEMENT CHECKED CLEAR CONTROL JOINT COLUMN COMPOSITION CONCRETE CONNECTION CENTER CONTINUOUS COLD WATER	N.I.C. NO., # N.T.S	NOT IN CONTRACT NUMBER NOT TO SCALE
DEMO. DTL. D.F. D.I. DIA., Ø DIM. DRWGS. DS.	DEMOLITION DETAIL DOUGLAS FIR DROP INLET DIAMETER DIMENSIONS DRAWINGS DOWNSPOUT	O.C. O.D. O/	ON CENTER OUTSIDE DIAMETER OVER, ON
(E) EA. ELECT. EQUIP. ETC. EXP. E.J. EXT.	EXISTING EACH ELECTRICAL EQUIPMENT ET CETERA EXPANSION EXPANSION JOINT EXTERIOR	P.C. PSI ± P.LAM. PLYWD. P.T.R. P.V.C.	PORTLAND CEMENT POUNDS PER SQUARE INCH PLATE PLUS OR MINUS FIELD VERIFY PLASTIC LAMINATE PLYWOOD PENETRATION THRU ROOF POLYVINYL CHLORIDE
F.D. F.H. FDTN. F.F. FLASH. FLR. F.O.B. FT. F.S.	FLOOR DRAIN FIRE HOSE CABINET FOUNDATION FINISHED FLOOR FLASHING FLOOR FACE OF BLOCK FOOT FLOOR SINK	R.D. REF. REINF. REQ. REV. R.W.L.	ROOF DRAIN REFERENCE REINFORCED REQUIRED REVISIONS REDWOOD RAIN WATER LEADER
GA. GALV. GEN. G.I. G.S.M. GYP. BD.	GAUGE GALVANIZED GENERAL GALVANIZED IRON GALVANIZED SHEET METAL GYPSUM BOARD	SF. SHT. SIM. SPECS. SQ. S.STL. STD. STL.	SQUARE FEET SHEET SIMILAR SPECIFICATIONS SQUARE STAINLESS STEEL STANDARD STEEL
H. H.B. HORIZ. HVAC	HOOD HOSE BIB HORIZONTAL HEATING VENTILATION AIR CONDITIONING	T.O. T.O.S. THK. TYP.	TOP OF TOP OF STEEL THICK TYPICAL
		U.F.C.I. U.N.O. VCT V.T.R.	UNIVERSITY FURNISHED CONTRACTOR INSTALLED UNLESS OTHERWISE NOTED VINYL COMPOSITE TILE VENT THRU ROOF
		W/ WD. W.H. W.I. W.W.F.	WITH WOOD WATER HEATER WROUGHT IRON WELDED WIRE FABRIC

CODE ANALYSIS	
CODE	2022 CBC
CONSTRUCTION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE REGULATIONS, INCLUDING THE FOLLOWING:	
2022 CALIFORNIA ADMINISTRATIVE CODE (CCR), TITLE 24 (PART 1)	
2022 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24 (PART 2)	BASED ON 2018 IBC
2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24 (PART 3)	BASED ON 2017 NEC
2022 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24 (PART 4)	BASED ON 2018 UMC
2022 CALIFORNIA PLUMBING CODE (CPC), CCR, TITLE 24 (PART 5)	BASED ON 2018 UPC
2022 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24 (PART 9)	BASED ON 2018 IFC
2022 CALIFORNIA EXISTING BUILDING CODE (CEC), TITLE 24 (PART 10)	
2022 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CALGREEN), CCR, TITLE 24 (PART 11)	
2022 CALIFORNIA REFERENCED STANDARDS, CCR, TITLE 24 (PART 12)	
STATE FIRE MARSHAL REGULATIONS, CCR, TITLE 19 (PUBLIC SAFETY)	
NFPA 13:	AUTOMATIC SPRINKLER SYSTEMS, 2022 EDITION
NFPA 14:	STANDPIPE SYSTEMS, 2022 EDITION
NFPA 17:	DRY CHEMICAL EXTINGUISHING, 2017 EDITION
NFPA 17A:	WET CHEMICAL EXTINGUISHING, 2017 EDITION
NFPA 20:	STATIONARY PUMPS, 2022 EDITION
NFPA 24:	PRIVATE FIRE MAINS, 2022 EDITION
NFPA 72:	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED), 2022 EDITION
NFPA 2001:	CLEAN AGENT FIRE EXTINGUISHING, 2018 EDITION
ASME 17.1:	ELEVATOR STANDARD, 2016 EDITION
OCCUPANCY TYPE:	B
CONSTRUCTION TYPE:	(CBC TABLE 5-B)
A. CONSTRUCTION TYPE:	II-B
B. BUILDING AREA:	41,000 SF.
THIS PROJECT IS EXEMPT FROM LOCAL ZONING JURISDICTION.	
C. NUMBER OF STORIES:	2
D. HEIGHT:	39'-0"

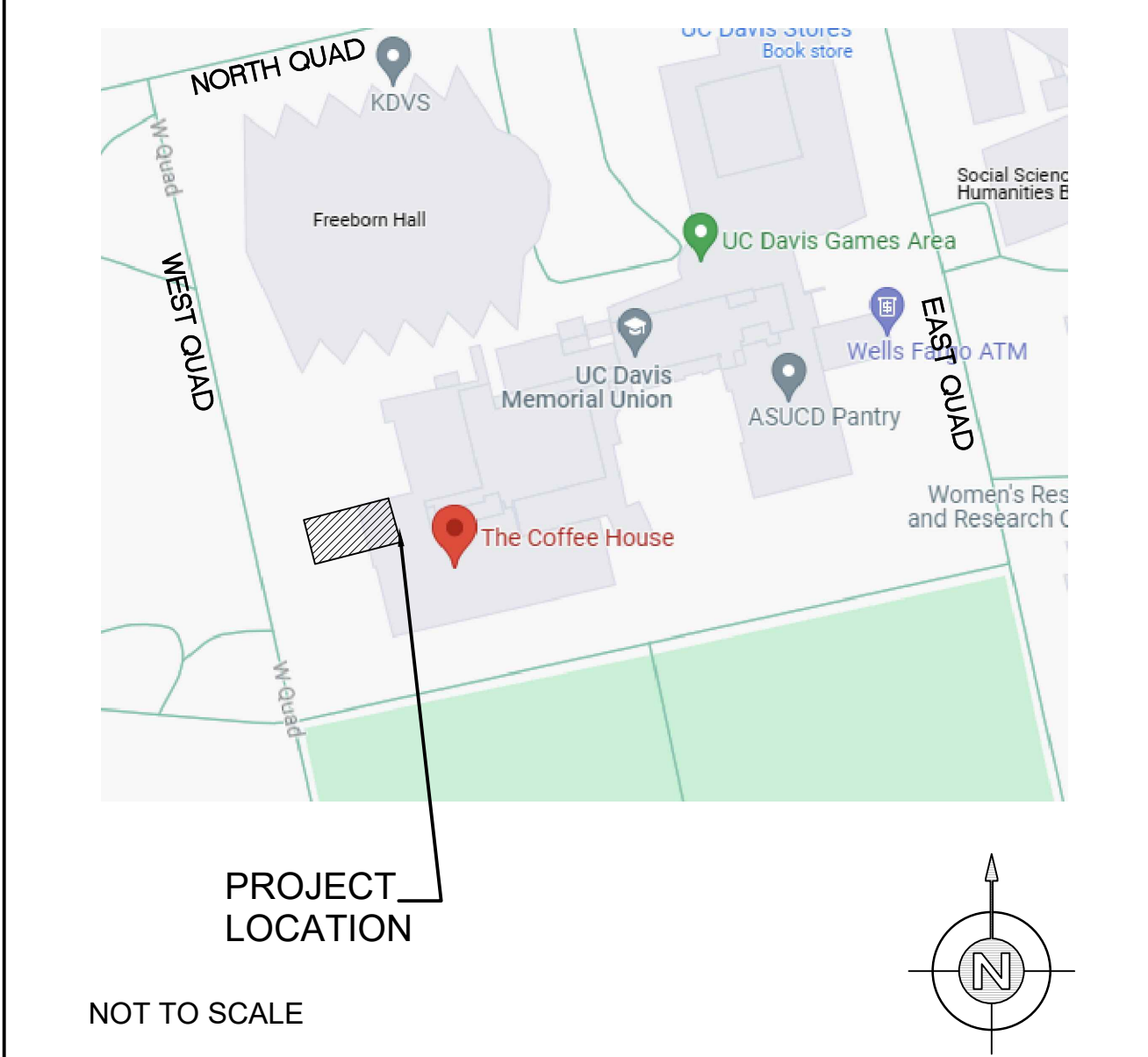
DEFERRED APPROVAL

PROJECT DIRECTORY	
ARCHITECT: PRESSEY & ASSOCIATES, INC. 2015 H STREET, THIRD FLOOR SACRAMENTO CA 95811 (916) 346-4280 CONTACT: KEVIN PRESSEY	STRUCTURAL ENGINEER: MICHAEL D. CRAWFORD STRUCTURAL ENGINEER 3300 KNIGHT CT. EL DORADO HILLS, CA 95762 (916) 941-6961 CONTACT: MICHAEL CRAWFORD
MECHANICAL / PLUMBING ENGINEER: PETERS ENGINEERING 2411 ALHAMBRA BLVD, SUITE 100 SACRAMENTO, CA 95817 (916) 447-2841 CONTACT: SEAN TICHENOR	ELECTRICAL ENGINEER: PETERS ENGINEERING 2411 ALHAMBRA BLVD, SUITE 100 SACRAMENTO, CA 95817 (916) 447-2841 CONTACT: GINO ROMANO

PROJECT SCOPE

- EXPANSION OF THE COFFEE HOUSE SPACE APPROXIMATELY 1,060 TO 1,100 SQUARE FEET AT MEMORIAL UNION.
- PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, INSURANCE AND SERVICES REQUIRED FOR THE REMODEL OF ROOM 2211 IN THE KEMPER HALL BUILDING.
- WORK SHALL INCLUDE, BUT NOT LIMITED TO, SELECTIVE DEMOLITION, FINISHES, HVAC, PLUMBING, AND ELECTRICAL MODIFICATIONS.
- ALL WORK SHALL BE COORDINATED WITH THE UNIVERSITY'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE UNIVERSITY.

LOCATION MAP



SHEET INDEX	
Sheet Number	Sheet Title
Architectural	
A0.0	TITLE SHEET
AS1.0	SITE PLAN
AS1.1	ENLARGED SITE PLAN
AD1.0	DEMOLITION FLOOR PLAN
AD2.0	REFLECTED CEILING PLAN-DEMOLITION
A1.0	FLOOR PLAN
A1.1	ENLARGED RESTROOM PLAN
A2.0	REFLECTED CEILING PLAN
A3.0	EXTERIOR ELEVATIONS
A3.1	INTERIOR ELEVATIONS
Structural	
S0.1	GENERAL NOTES & ABBREVIATIONS
S0.2	GENERAL NOTES
S0.3	GENERAL NOTES
S1.0	TYPICAL DETAILS - CONCRETE
S1.1	TYPICAL DETAILS - CONCRETE
S1.2	TYPICAL DETAILS - WOOD
S1.3	TYPICAL DETAILS - WOOD
S1.4	TYPICAL DETAILS - I-JOISTS
S1.5	TYPICAL DETAILS - I-JOISTS
S2.0	FOUNDATION PLAN
S2.1	FOUNDATION PLAN
S3.0	SECTION
S4.0	DETAILS
S4.1	DETAILS
Mechanical	
M0.1	SYMBOLS & NOTES
M0.2	SCHEDULES
M1.1	FLOOR PLAN - DEMOLITION
M2.1	FLOOR PLAN-MECHANICAL
M3.1	DETAILS
Plumbing	
P0.1	SYMBOLS & NOTES
P1.1	FLOOR PLAN - DEMOLITION
P2.1	FLOOR PLAN - PLUMBING
Electrical	
E0.1	SYMBOLS & NOTES
E0.2	SCHEDULES & NOTES
E1.0	SITE PLAN ELECTRICAL
E1.1	FLOOR PLAN DEMOLITION
E2.1	FLOOR PLAN-POWER
E2.2	FLOOR PLAN-LIGHTING
E3.1	ONE LINE DIAGRAM
E4.1	PANEL SCHEDULES
E5.1	DETAILS

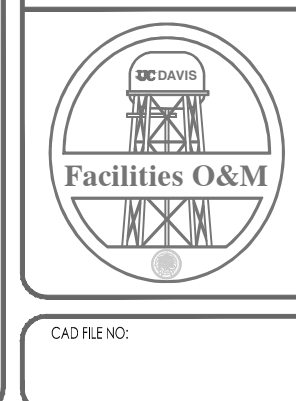
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DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHKD

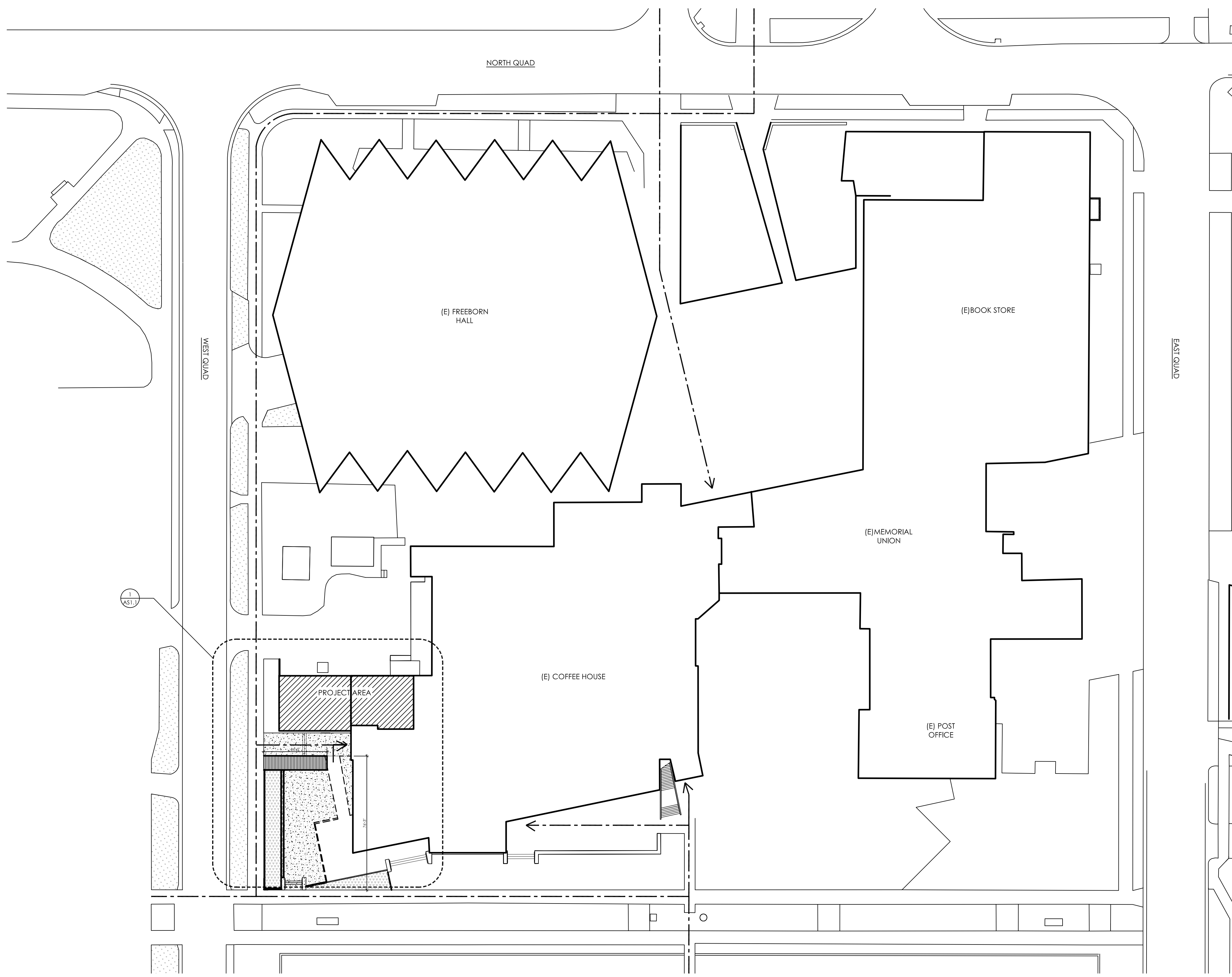
PROJECT TITLE	
COFFEE HOUSE EXPANSION	
ONE SHIELDS AVENUE DAVIS, CA 95616	

DRAWING TITLE	
TITLE SHEET	

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: A0.0
	CREATED BY: K. PRESSEY	DATE: 3/7/23	ZONE: D037
	DRAWN BY: K. PRESSEY	SCALE: 3/8" = 1'-0"	REV: -
	DATE: 11/28/2023	SHEET: 13	OF: 13

CAD FILE NO: _____ FILE NAME: A0.0 TITLE SHEET.dwg

DWG NO. PROJECT NO. CAD FILE NO. PROJECT# AS1.0 SITE PLAN.dwg WEST AND TELE INFORMATION REFERENCE

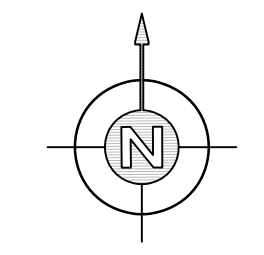


PATH OF TRAVEL: -----

THE ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THIS PLAN IS A BARRIER FREE PEDESTRIAN WAY, FROM AN ENTRANCE TO THE FACILITY TO THE AREA(S) OF WORK. IT IS A COMMON, CONTINUOUS PATH WITH A MINIMUM 48" WIDE, STABLE, FIRM, SMOOTH AND SLIP RESISTANT SURFACE, WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/4" VERTICAL OR 1/2" IF BEVELED 1:2. THE P.O.T., IF LESS THAN 60", MUST HAVE PASSING SPACES AT LEAST 60" X 60" LOCATED NOT MORE THAN 200' APART AND, IF THE GRADIENT IS CONTINUOUS, HAVE MIN. 60" LEVEL AREAS NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND THE SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 5% UNLESS CONSTRUCTED AS A RAMP. OVERHEAD CLEARANCES ARE 80" MINIMUM AND PROJECTIONS FROM WALLS ARE NOT MORE THAN 4" IF ABOVE 27" AND BELOW 80" FROM THE GRADE OR FLOOR SURFACE.

SITE PLAN LEGEND

- (E) LANDSCAPE
- ACCESSIBLE ROUTE
- ITEMS TO BE DEMOLISHED



1 SITE PLAN
SCALE: 1/32" = 1'-0"

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

FACILITIES OPERATION & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
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CHAIRPERSON PLAN CHECK COMMITTEE

DATE

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
SACRAMENTO, CA 95811
Tel 916-346-4280

LICENSED ARCHITECT
 KEVIN W. PRESSEY
 No. C25741
 REN. 01/31/23
 STATE OF CALIFORNIA

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REV	DATE	DESCRIPTION	BY	CHKD

PROJECT TITLE

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DRAWING TITLE

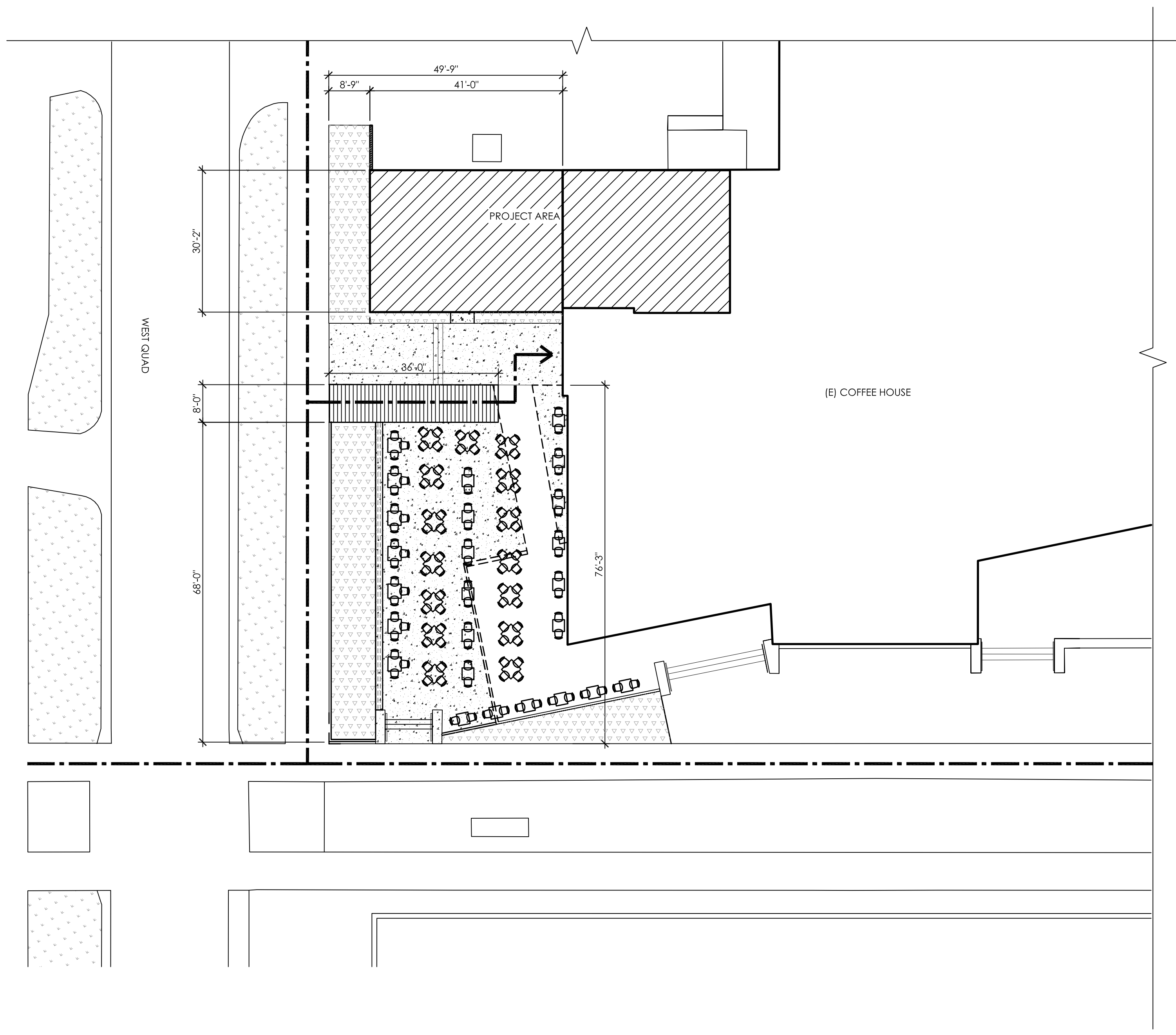
SITE PLAN

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: AS1.0
	CHECKED BY: K. PRESSEY	DATE: NOVEMBER 28, 2023	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE: D 22 x 34	REV: -
	DRAWN BY: K. PRESSEY	DATE: NOVEMBER 28, 2023	SHEET: 13

CAD FILE NO. AS1.0 SITE PLAN.dwg

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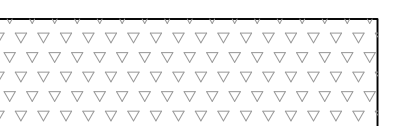

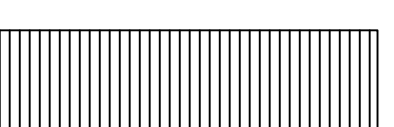

DWG NO. PROJECT NO. CAD FILE NO. WEST AND TELEPHONE NO. REFERENCE



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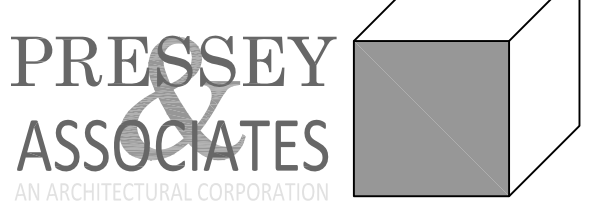
-  ACCESSIBLE ROUTE
-  (E) LANDSCAPE
-  PROPOSED LANDSCAPE
-  PROPOSED CONCRETE WALKWAY
-  PROPOSED SLOPED WALKWAY
-  ITEMS TO BE DEMOLISHED


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ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW


FACILITIES
OPERATIONS & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
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 CHAIRPERSON PLAN CHECK COMMITTEE DATE


PRESSEY ASSOCIATES
 AN ARCHITECTURAL CORPORATION
 2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
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 LICENSED ARCHITECT
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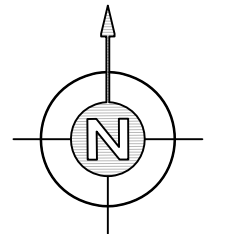
PROJECT TITLE

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DRAWING TITLE

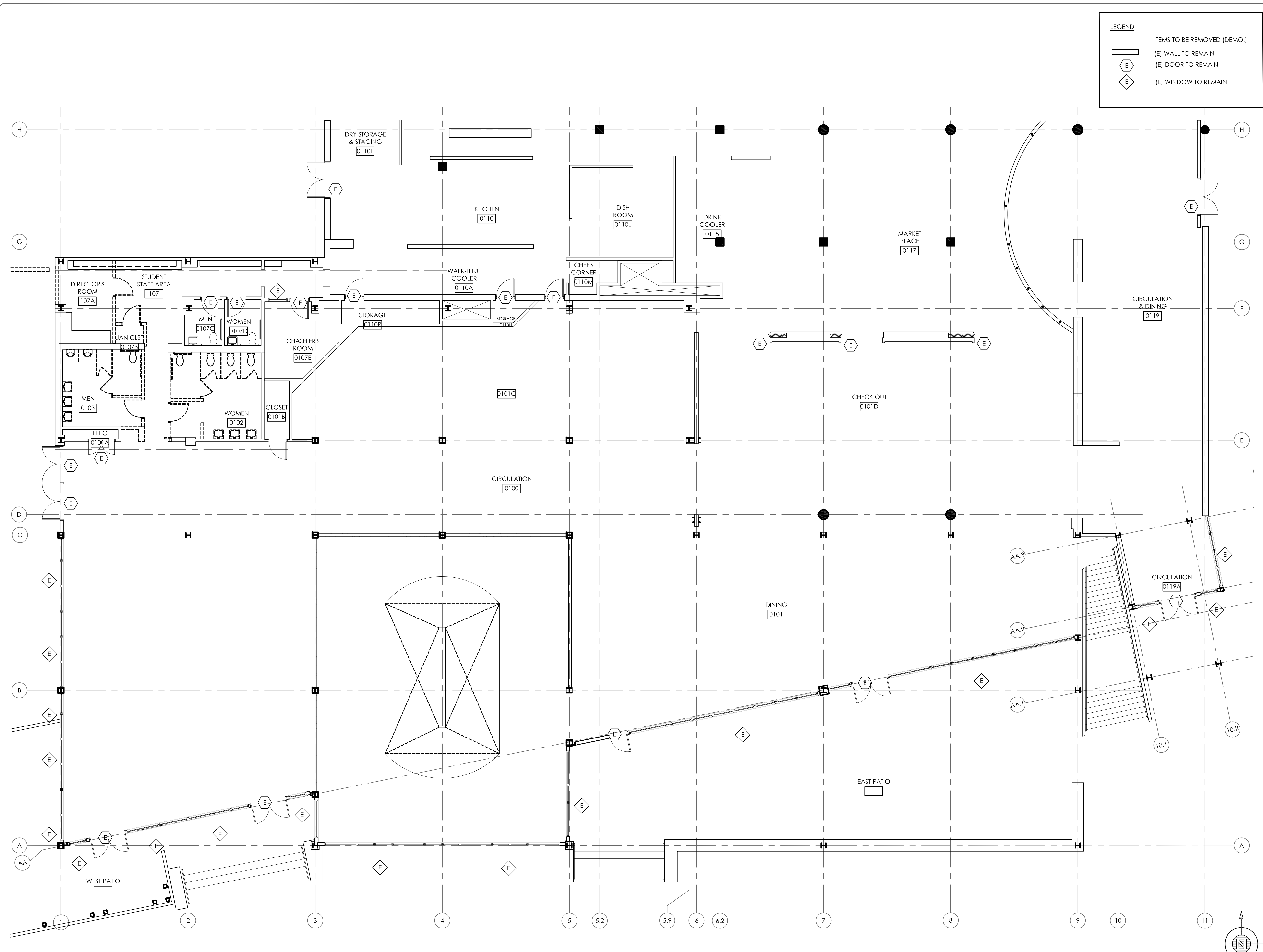
ENLARGED SITE PLAN

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: AS1.1
	CHECKED BY: K. PRESSEY	DATE: NOVEMBER 28, 2023	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE: 22 x 34	REV: -
	DRAWN BY: D	DATE: NOVEMBER 28, 2023	SHEET: 13



1 ENLARGED SITE PLAN
SCALE: 1/16" = 1'-0"

REVISED: 11/28/2023
 PROJECT#: AD1.0 DEMOLITION FLOOR PLAN.dwg
 DRAWING NO.



1 DEMOLITION FLOOR PLAN
 SCALE: 1/8" = 1'-0"

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
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FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

FACILITIES OPERATION & MAINTENANCE
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 CHAIRPERSON PLAN CHECK COMMITTEE

 DATE

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REV	DATE	DESCRIPTION	BY	CHKD

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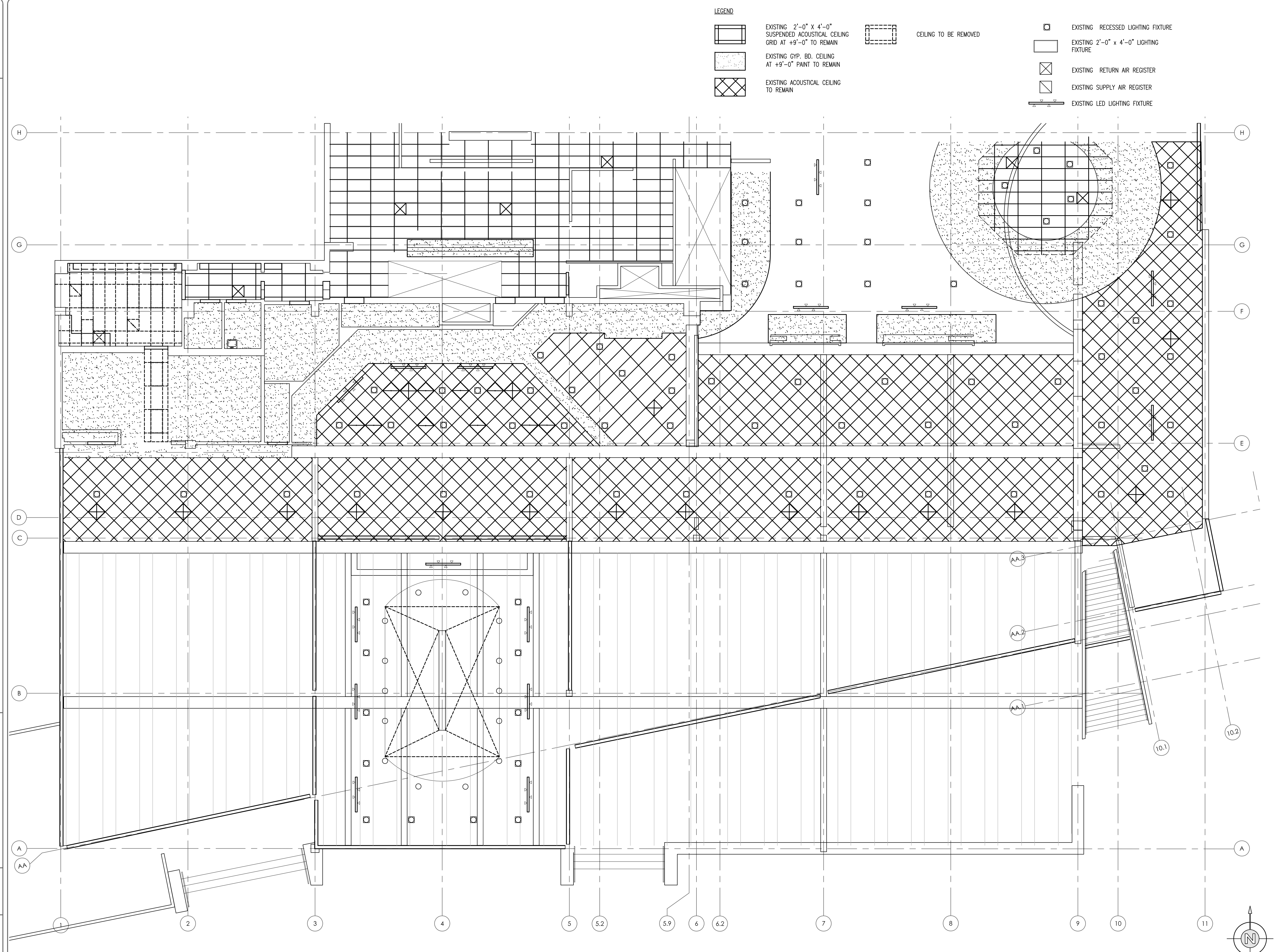
DEMOLITION FLOOR PLAN

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: AD1.0
	CHECKED BY: K. PRESSEY	DATE: NOVEMBER 28, 2023	SCALE: 3/8" = 1'-0"
	DESIGNED BY: K. PRESSEY	SCALE: 3/8" = 1'-0"	ZONE: D037
	DRAWN BY: ---	DATE: NOVEMBER 28, 2023	SHEET: 13

CAD FILE NO. _____ RENDER NO. _____
 AD1.0 DEMOLITION FLOOR PLAN.dwg

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DWG NO. PROJECT# CAD FILE NO. REF AND TELE INFORMATION



- LEGEND**
- EXISTING 2'-0" X 4'-0" SUSPENDED ACOUSTICAL CEILING GRID AT +9'-0" TO REMAIN
 - EXISTING GYP. BD. CEILING AT +9'-0" PAINT TO REMAIN
 - EXISTING ACOUSTICAL CEILING TO REMAIN
 - CEILING TO BE REMOVED
 - EXISTING RECESSED LIGHTING FIXTURE
 - EXISTING 2'-0" X 4'-0" LIGHTING FIXTURE
 - EXISTING RETURN AIR REGISTER
 - EXISTING SUPPLY AIR REGISTER
 - EXISTING LED LIGHTING FIXTURE

1 REFLECTED CEILING PLAN (EXISTING)
 SCALE: 1/8" = 1'-0"

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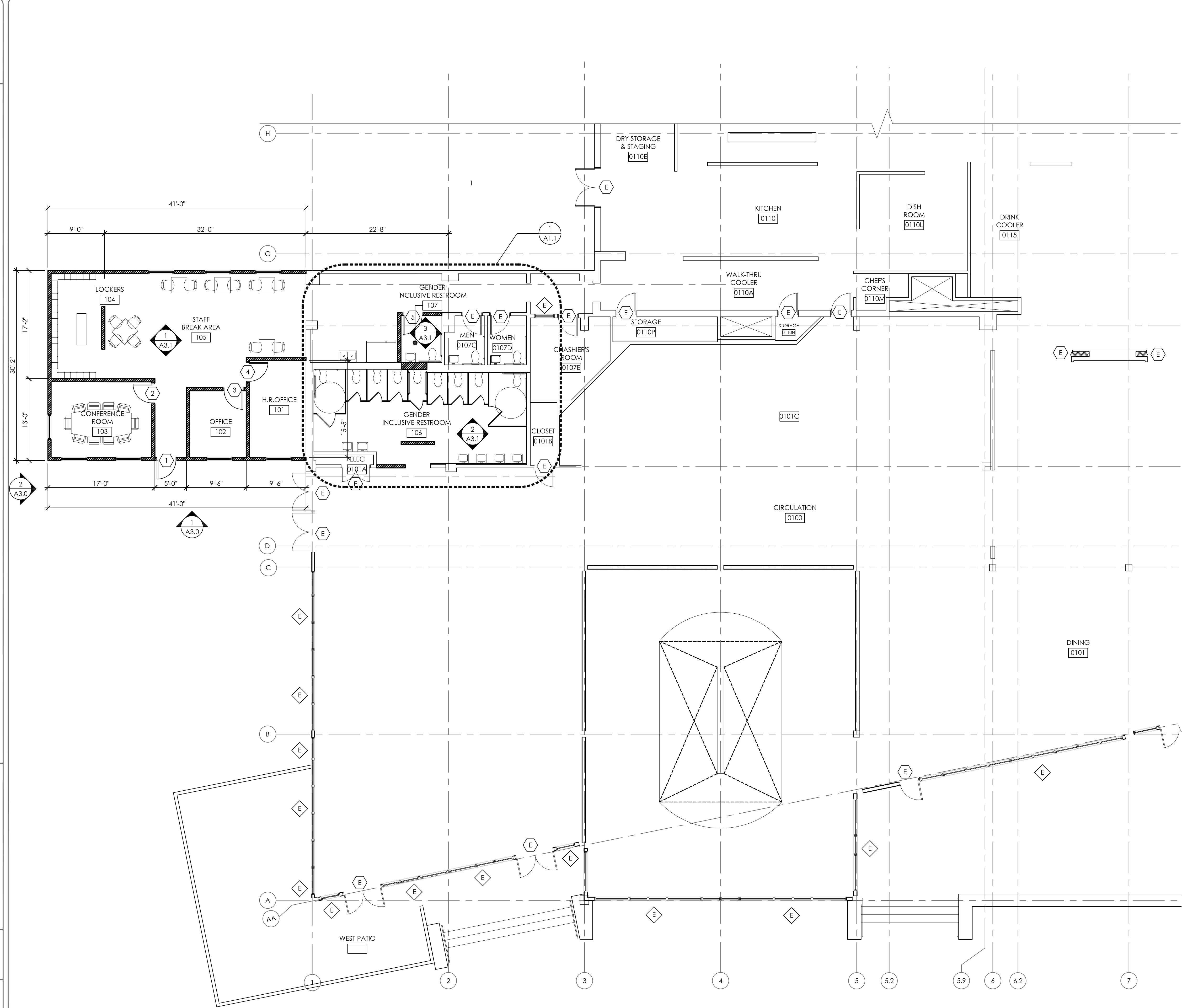
REFLECTED CEILING PLAN- DEMOLITION

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	CHECKED BY K. PRESSEY	DATE NOVEMBER 28, 2023	SCALE 3788
	DRAWN BY K. PRESSEY	SCALE 3788	ZONE D037
	DATE NOVEMBER 28, 2023	SHEET -	OF 13

CAD FILE NO. _____ REF INDEX NO. _____
AD2.0 RCP- DEMOLITION.dwg

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DWG NO. PROJECT NO. CAD FILE NO. PROJECT #
 ALL 1.1 FLOOR PLAN.dwg
 REVISIONS AND INFORMATION



LEGEND

	(E) WALL TO REMAIN
	(E) DOOR TO REMAIN
	(E) WINDOW TO REMAIN
	PROVIDE DOOR PER DOOR SCHEDULE

STAMPS / APPROVALS

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FLOOR PLAN

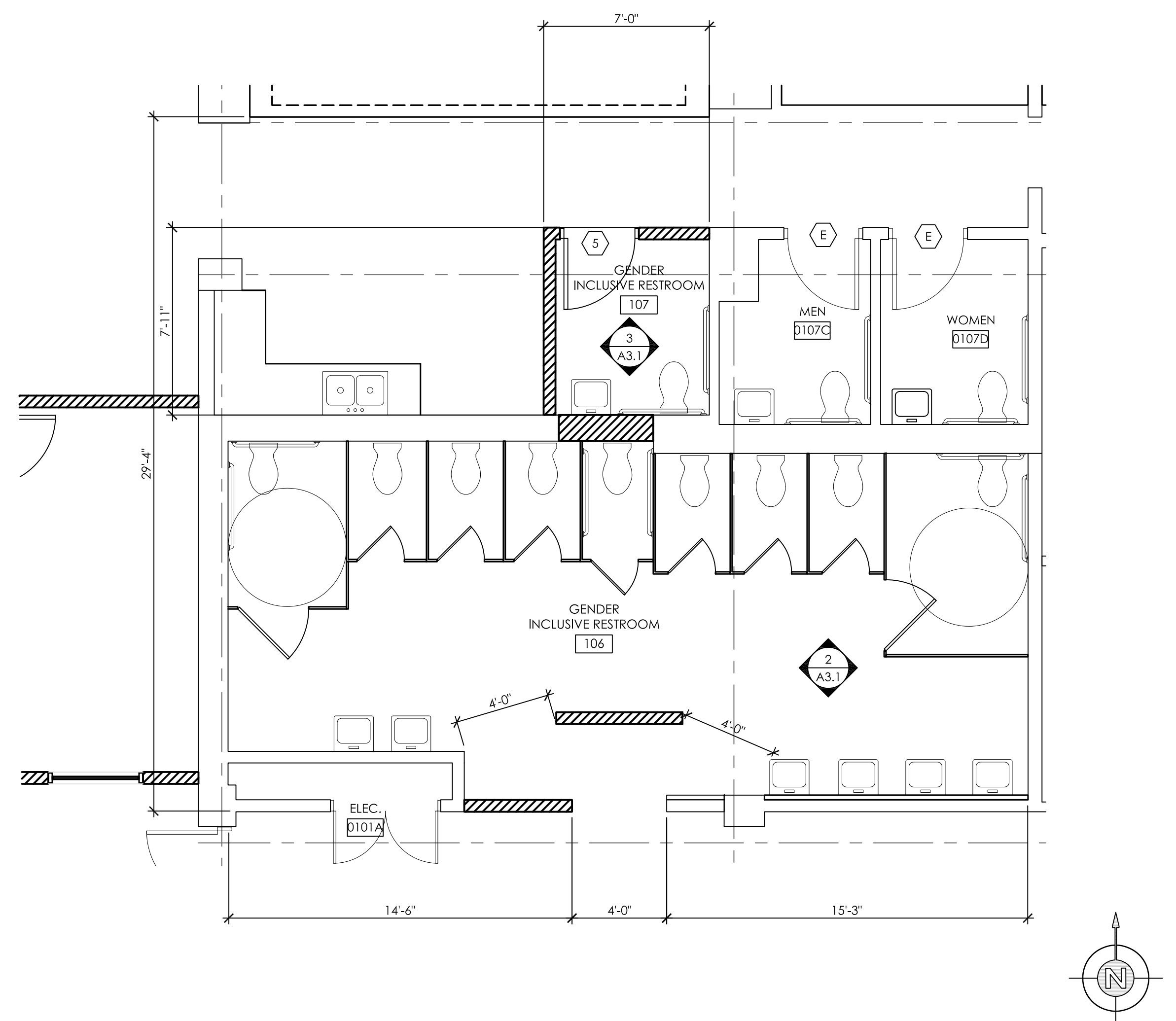
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	CHECKED BY: K. PRESSEY	DATE: NOVEMBER 28, 2023	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE: -	REV: -
	DRAWN BY: ---	DATE: NOVEMBER 28, 2023	SHEET: 13

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

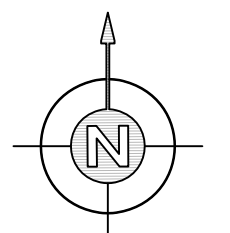
CAD FILE NO. _____ REVISION NO. _____
 A1.0 FLOOR PLAN.dwg

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REFERENCE: PROJECT: PROJECT# CAD FILE NO: FILE NAME: A1.1 ENLARGED RESTROOM PLAN.dwg




1 RESTROOM ENLARGED FLOOR PLAN
 SCALE: 1/4"=1'-0"




STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW


FACILITIES
OPERATION & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

_____ DATE _____
 CHAIRPERSON PLAN CHECK COMMITTEE

PRESSEY ASSOCIATES
 AN ARCHITECTURAL CORPORATION
 2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
 Tel 916-346-4280

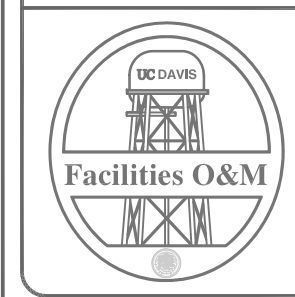


COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHKD

PROJECT TITLE
 COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

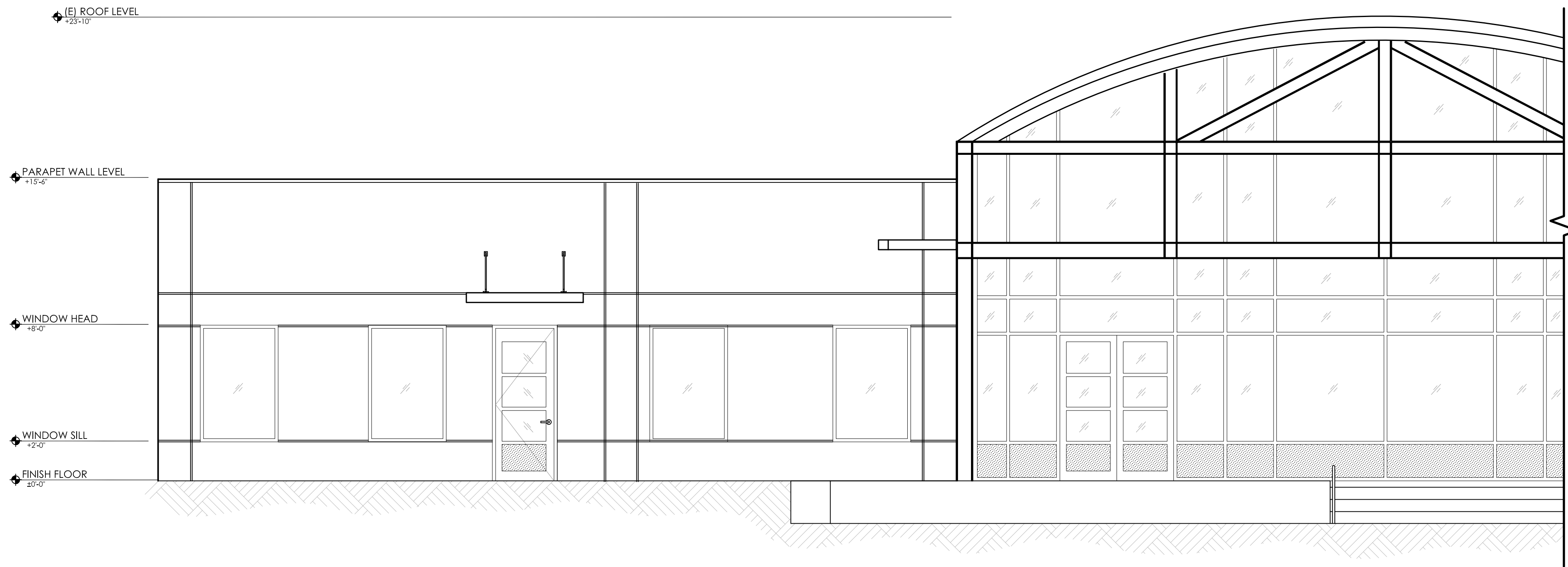
DRAWING TITLE
 ENLARGED RESTROOM PLAN

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: A1.1
	CREATED BY: K. PRESSEY	DATE: 3788	ZONE: D037
	DRAWN BY: K. PRESSEY	SCALE: ----	REV: ----
	DATE: D 22 x 34	DATE: NOVEMBER 28, 2023	SHEET OF: - 13

CAD FILE NO: _____ FILE NUMBER: **A1.1 ENLARGED RESTROOM PLAN.dwg**

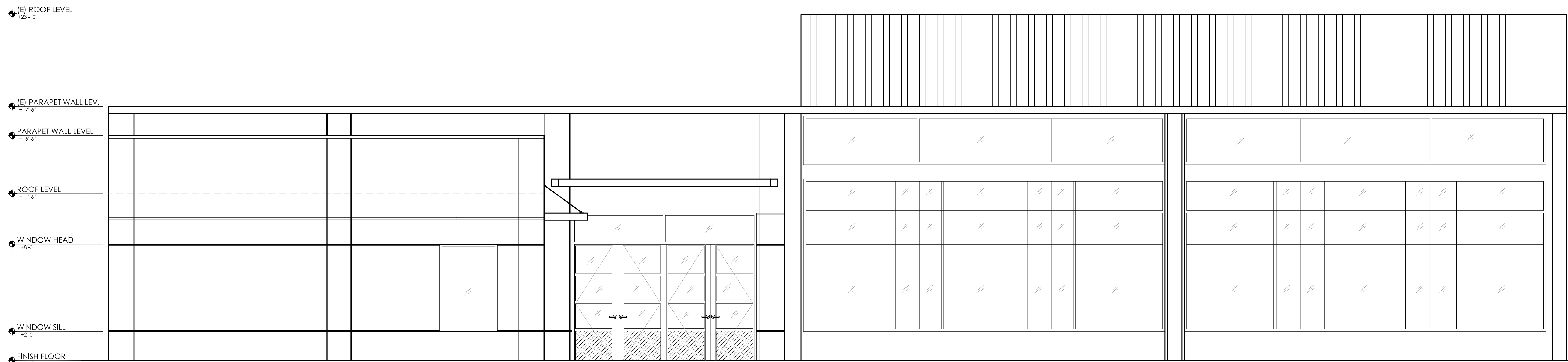
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RENDERING



1 EXTERIOR ELEVATION (NORTH)
SCALE: 1/4"=1'-0"

REFLECT AND INFORMATION



2 EXTERIOR ELEVATION (EAST)
SCALE: 1/4"=1'-0"

CAD FILE NO: A3.0 EXTERIOR ELEVATIONS.dwg

PROJECT#

DWG NO.

STAMPS / APPROVALS

DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW


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PLAN CHECK COMMITTEE CERTIFICATION
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_____ DATE _____
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COFFEE HOUSE EXPANSION
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 DAVIS, CA 95616


REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

DRAWING TITLE

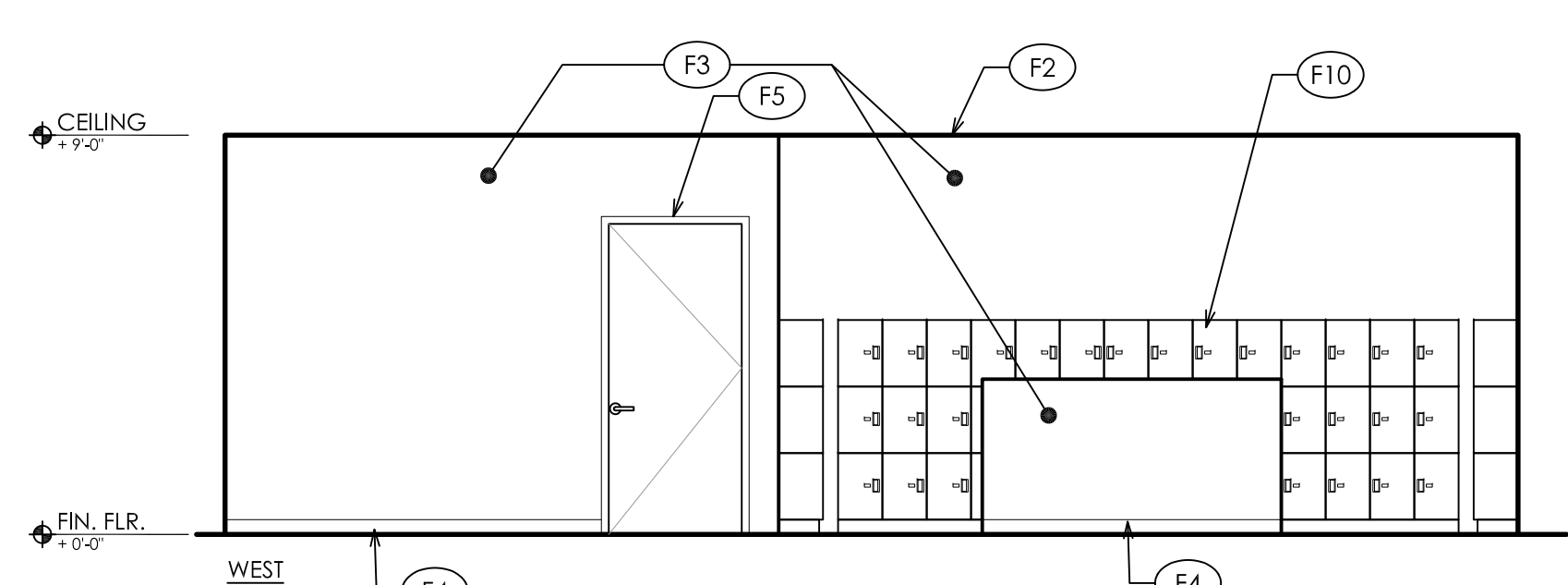
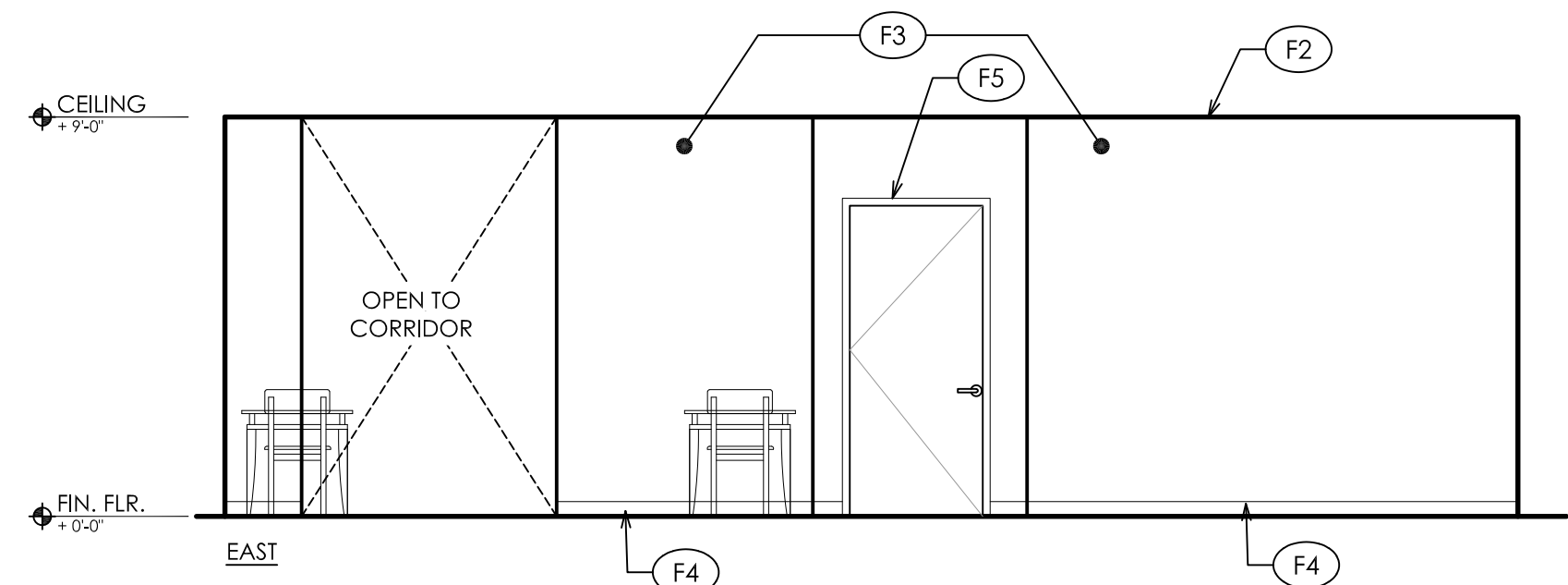
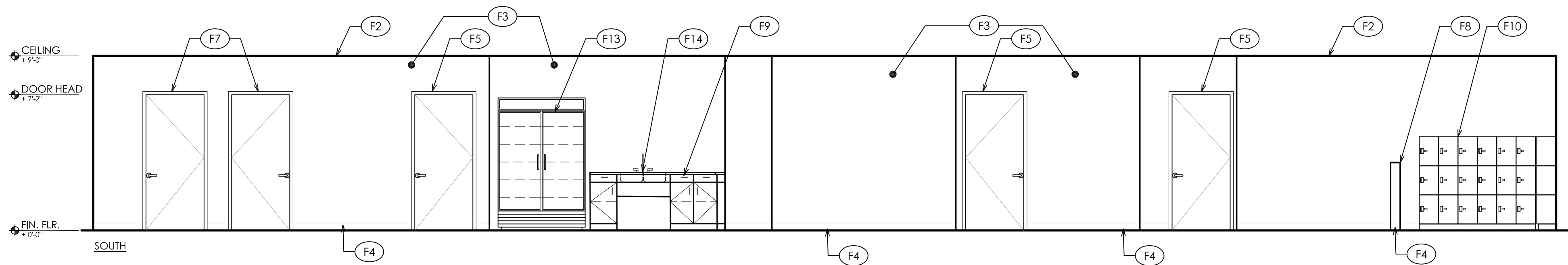
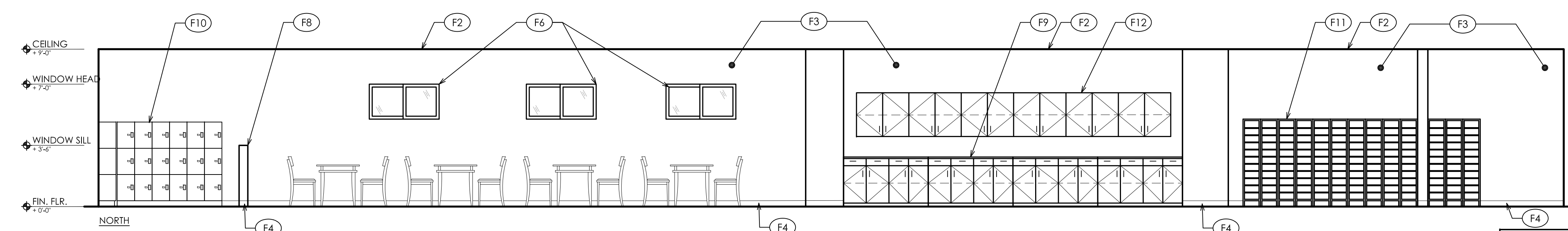
EXTERIOR ELEVATIONS

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: A3.0
	CHECKED BY: K. PRESSEY	DATE: NOVEMBER 28, 2022	SCALE: AS SHOWN
	DESIGNED BY: K. PRESSEY	CHAM: 3788	ZONE: D037
	DRAWN BY: ----	SCALE: ----	REV: ----
DATE: D 22 x 34	DATE: NOVEMBER 28, 2022	SHEET: -	OF: 13

CAD FILE NO: A3.0 EXTERIOR ELEVATIONS.dwg

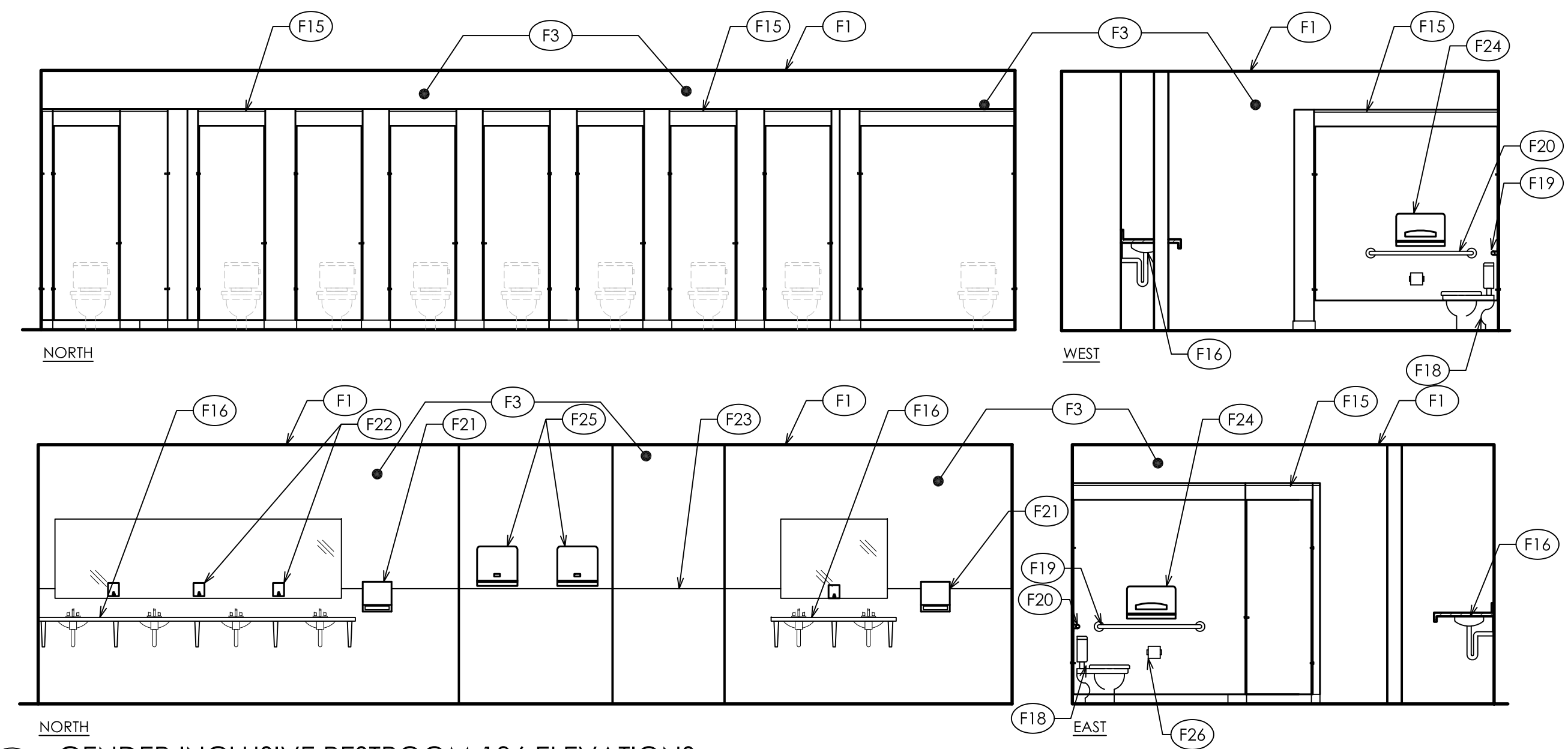
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REVISIONS

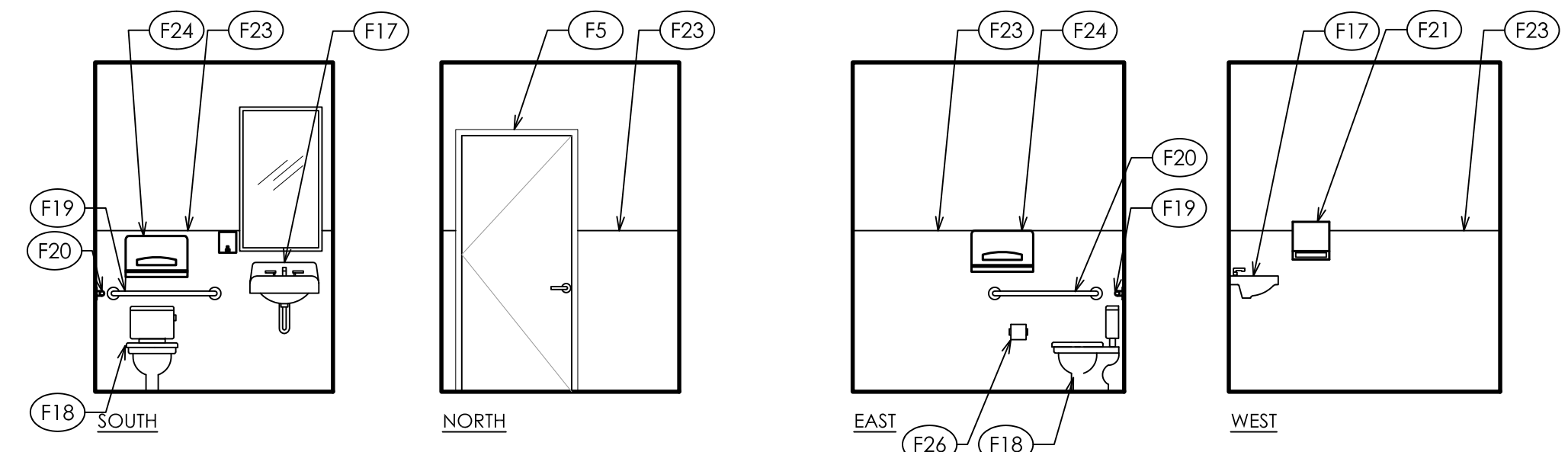


- INTERIOR ELEVATIONS KEYNOTES**
- (F1) 5/8" TYPE 'X' GYP. BD. CEILING - PAINT
 - (F2) PROVIDE SUSPENDED CEILING GRID
 - (F3) GYPSUM BOARD WALL PAINT
 - (F4) 4" RUBBER BASE
 - (F5) PROVIDE DOOR PER DOOR SCHEDULE
 - (F6) PROVIDE WINDOW PER WINDOW SCHEDULE
 - (F7) (E) DOOR TO REMAIN
 - (F8) LOW WALL W/ 2x4 WD. STUDS @16" O.C. AND 5/8" GYP. BD. EA. SIDE - PAINT
 - (F9) PROVIDE +34" HIGH GRANITE COUNTERTOP W/ LOWER CASEWORK
 - (F10) PROVIDE LOCKERS
 - (F11) (E) SHOE RACK TO REMAIN
 - (F12) PROVIDE UPPER CABINETS W/ SHELVES
 - (F13) REFRIGERATOR
 - (F14) PROVIDE KITCHEN SINK
 - (F15) TOILET PARTITION WALLS
 - (F16) PROVIDE +34" HIGH GRANITE COUNTERTOP W/DROP-IN SINK - SEE PLUMB. SHEETS
 - (F17) PROVIDE WALL HUNG LAVATORY - SEE PLUMB. SHEETS
 - (F18) PROVIDE WATER CLOSET - SEE PLUMB. SHEETS
 - (F19) PROVIDE 36" GRAB BAR PER DTL. 1/A7.3
 - (F20) PROVIDE 48" GRAB BAR PER DTL. 1/A7.3
 - (F21) WALL MOUNTED PAPER TOWEL DISPENSER
 - (F22) SOAP DISPENSER
 - (F23) FRP WAINSCOT
 - (F24) TOILET PAPER DISPENSER
 - (F25) DRYER
 - (F26) TOILET PAPER DISPENSER

1 STAFF BREAK AREA ELEVATIONS
SCALE: 1/4"=1'-0"



2 GENDER INCLUSIVE RESTROOM 106 ELEVATIONS
SCALE: 1/4"=1'-0"



3 GENDER INCLUSIVE RESTROOM 107 ELEVATIONS
SCALE: 1/4"=1'-0"

STAMPS / APPROVALS		
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PLAN CHECK REVIEW	
CHAIRPERSON PLAN CHECK COMMITTEE	DATE

PRESSEY ASSOCIATES
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SACRAMENTO, CA 95811
Tel 916-346-4280

COFFEE HOUSE EXPANSION				
ONE SHIELDS AVENUE DAVIS, CA 95616				
REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE	
COFFEE HOUSE EXPANSION ONE SHIELDS AVENUE DAVIS, CA 95616	

DRAWING TITLE	
INTERIOR ELEVATIONS	

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: A3.1
	CHECKED BY: K. PRESSEY	DATE: NOVEMBER 28, 2022	SCALE: 3/8" = 1'-0"
	DESIGNED BY: K. PRESSEY	CHAM: 3788	ZONE: D037
	DRAWN BY: D	DATE: NOVEMBER 28, 2022	SHEET: 34

STRUCTURAL ABBREVIATIONS

(FOR REFERENCE, NOT ALL ARE APPLICABLE)

⊙	AT	f'c	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
∠	ANGLE	FAB	FABRICATE	OVSH	OVERSIZED HOLE
AB	ANCHOR BOLT	FD	FLOOR DRAIN	PAF	POWDER/POWER-ACTUATED FASTENER
ABV	ABOVE	FF	FINISH FLOOR	PC	PIPE COLUMN
ACI	AMERICAN CONCRETE INSTITUTE	FFE	FINISH FLOOR ELEVATION	PCF	POUNDS PER CUBIC FOOT
ADDNL	ADDITIONAL	FG	FINISH GRADE	PERP	PERPENDICULAR
ADJ	ADJACENT	FGWS	FLAT HEAD WOOD SCREW	PJP	PARTIAL JOINT PENETRATION
AFF	ABOVE FINISH FLOOR	FIN	FINISH	R	PLATE
AGF	AGGREGATE	FLG	FLANGE	PLF	PER LINEAR FOOT
AISC	AMERICAN INSTITUTE FOR STEEL CONSTRUCTION	FLR	FLOOR	PLWD	PLYWOOD
AISI	AMERICAN IRON & STEEL INSTITUTE	FN	FIELD NAILING/FIELD FASTENING	PN	PERIMETER
ALT	ALTERNATE	FND	FOUNDATION	PN	NAILING/PERIMETER FASTENING
ALUM	ALUMINUM	FOC	FACE OF CONCRETE	PSF	POUNDS PER SQUARE FOOT
APA	THE ENGINEERED WOOD ASSOCIATION	FOS	FACE OF STUD	PSI	POUNDS PER SQUARE INCH
APPROX	APPROXIMATE	FRMG	FRAMING	PSL	PARALLEL STRAND LUMBER
ARCH	ARCHITECT/ARCHITECTURAL	FT (')	FOOT/FEET	PT	POINT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	FTG	FOOTING	PTDF	PRESSURE TREATED DOUG FIR
ASD	ALLOWABLE STRESS DESIGN	Fy	SPECIFIED YIELD STRENGTH OF REINFORCING, PSI OR SPECIFIED MINIMUM YIELD STRESS OF STEEL, KSI	PVC	POLYVINYL CHLORIDE
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	CA	CALGAGE	R	RADIUS
ATR	ALL-THREAD ROD	CA	GALVANIZED	REIN	REINFORCING/REINFORCEMENT
AWS	AMERICAN WELDING SOCIETY	CA	GALV	REQ	REQUIRED
BEV	BEVELED	GL	GLUE	RHWS	ROUND HEAD WOOD SCREW
BLDG	BUILDING	GRD	GRADE	RR	ROOF RAFTER
BLK	BLOCK	GT	GROUT	RSB	RECESSED STUD BOLT
BLKG	BLOCKING	GWB	GYPSTUM WALLBOARD	SCAD	SEE ARCHITECTURAL DRAWINGS
BLW	BELOW	HAS	HEADED ANCHOR STUD	SCBF	SPECIAL CONCENTRIC BRACED FRAME
BM	BEAM	HD	HOLD-DOWN	SCHED	SCHEDULE
BN	BOUNDARY NAILING/BOUNDARY FASTENING	HG	HOT-DIPPED GALVANIZED	SCJ	SHRINKAGE CONTROL JOINT
BOC	BOTTOM OF CONCRETE	HDR	HEADER	SDPWS	SPECIAL DESIGN PROVISIONS FOR WIND & SEISMIC
BOF	BOTTOM OF FOOTING	HK	HOOK	SE	STRUCTURAL ENGINEER
BOS	BOTTOM OF STEEL	HORIZ	HORIZONTAL	SEIS JT	SEISMIC JOINT
BOTT	BOTTOM	HSB	HIGH-STRENGTH BOLT	SEOR	STRUCTURAL ENGINEER OF RECORD
BRCG	BRACING	HSS	HOLLOW STRUCTURAL SECTION	SHRWL	SHEARWALL
BRG	BEARING	HT	HEIGHT	SHT	SHEET
BRG PL	BEARING PLATE	IBC	INTERNATIONAL BUILDING CODE	SHTG	SHEATHING
BTW	BETWEEN	ICC	INTERNATIONAL CODE COUNCIL	SIM	SIMILAR
BYD	BEYOND	ID	INSIDE DIAMETER	SJ	SHRINKAGE JOINT
C	CAMBER	I	ISOLATION JOINT	SLRS	SEISMIC LOAD RESISTING SYSTEM
CBC	CALIFORNIA BUILDING CODE	IN	INCH	SOG	SLAB ON GRADE
CCR	CALIFORNIA CODE OF REGULATIONS	IN (")	INCH	SP	STRUCTURAL PANEL
CE	CIVIL ENGINEER	INFO	INFORMATION	SPG	SPACING
CG	CENTER OF GRAVITY	INTR	INTERIOR	SPEC	SPECIFICATION
CIP	CAST-IN-PLACE	JST	JOIST	SQ	SQUARE
CJ	CONSTRUCTION JOINT	JT	JOINT	SS	STAINLESS STEEL
CJP	COMPLETE JOINT PENETRATION	KSI	KIPS PER SQUARE INCH	STAG	STAGGER
CL	CENTERLINE	LBS	POUNDS	STD	STANDARD
CLG	CEILING	LL	LIVE LOAD	STIFF	STIFFENER
CLR	CLEAR	LLH	LONG LEG HORIZONTAL	STL	STEEL
CLSM	CONTROLLED LOW-STRENGTH MATERIAL	LLV	LONG LEG VERTICAL	STRUC	STRUCTURAL
COL	COLUMN	LGTH	LENGTH	SYM	SYMMETRICAL
CONC	CONCRETE	LONG	LONGITUDINAL	T24	TITLE 24 CALIFORNIA CODE
CONN	CONNECTION	LS	LAG SCREW	t _f	FLANGE THICKNESS
CONSTR	CONSTRUCTION	LST	LAMINATED STRAND LUMBER	THK	THICK/THICKNESS
CONT	CONTINUOUS	LT WT	LIGHT WEIGHT	THR	THREAD OR THREADED
COORD	COORDINATE/COORDINATION	LVL	LAMINATED VENEER LUMBER	TN	TOE NAIL
CTR	CENTER	MAX	MAXIMUM	TO	TOP OF
CTRD	CENTERED	MB	MACHINE BOLT	TOC	TOP OF CONCRETE
CTS	COUNTERSINK/COUNTERSUNK	MECH	MECHANICAL	TOF	TOP OF FOOTING/TOP OF FRAMING
DBL	DOUBLE	MEP	MECHANICAL, ELECTRICAL, PLUMBING	TOF	TOP OF STEEL
DEG	DEGREE	MFR	MANUFACTURER	TOW	TOP OF WALL
DEPR	DEPRESSED	MIN	MINIMUM	TRAN	TRANSVERSE
DF	DOUGLAS FIR	MISC	MISCELLANEOUS	TYP	TYPICAL
DIAM (ø)	DIAMETER	MSR	MACHINE STRESS RATED LUMBER	T&B	TOP & BOTTOM
DIAG	DIAGONAL	MTL	METAL	T&G	TONGUE & GROOVE
DIM	DIMENSION	NEW	NEW	UBC	UNIFORM BUILDING CODE
DJ	DOWELED JOINT	N/A	NOT APPLICABLE	UNO	UNLESS NOTED OTHERWISE
DL	DEAD LOAD	NDS	NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION	VERT	VERTICAL
DN	DOWN	NIC	NOT IN CONTRACT	VIF	VERIFY IN FIELD
DO	DUPLICATE ORDER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	W/	WITH
DTL	DETAIL	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	W/O	WITHOUT
DWG	DRAWING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	WDW	WINDOW
(E)	EXISTING CONDITION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	WF	WIDE FLANGE
EA	EACH	NOM	NOMINAL	WP	WORK POINT
EB	EXPANSION BOLT	NS&FS	NEAR SIDE & FAR SIDE	WRT	WITH RESPECT TO
EE	EACH END	NSG	NON SHRINK GROUT	WS	WOOD SCREW
EF	EACH FACE	NTS	NOT TO SCALE	WT	WEIGHT
EJ	EXPANSION JOINT	OC	ON CENTER	WWF	WELDED WIRE FABRIC
ELEV	ELEVATION	OD	OUTSIDE DIAMETER		
EMBED	EMBEDMENT	OH	OPPOSITE HAND		
EN	EDGE NAILING/EDGE FASTENING	OPG	OPENING		
EOR	ENGINEER OF RECORD	OPP	OPPOSITE		
EOS	EDGE OF SLAB	OSB	ORIENTED STRAND BOARD		
EQ (=)	EQUAL				
EQUIP	EQUIPMENT				
ES	EACH SIDE				
EW	EACH WAY				
EXTR	EXTERIOR				

PERIODIC STRUCTURAL OBSERVATION:

CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AT FOLLOWING STAGES OF CONSTRUCTION AND PROVIDE ALL NECESSARY ACCESS AND ASSISTANCE TO ALLOW THE STRUCTURAL ENGINEER TO PERFORM SITE OBSERVATION VISITS. THESE VISITS DO NOT CONSTITUTE INSPECTION OF THE WORK. PROVIDE A MINIMUM OF 2 BUSINESS DAYS NOTICE PRIOR TO REQUIRED TIME OF VISIT.

- [] PRIOR TO FOUNDATION CONCRETE POUR(S)
- [] PRIOR TO CONCRETE SLAB ON GRADE CONCRETE POUR(S)
- [] STRUCTURAL FRAME 50% COMPLETE
- [] STRUCTURAL FRAME 100% COMPLETE
- [] PRIOR TO COVERING PLYWOOD SHEATHING AT WALLS
- [] PRIOR TO COVERING PLYWOOD SHEATHING AT ROOF/FLOORS
- [] FOLLOWING METAL DECK WELDING
- [] PRIOR TO CONCRETE POUR(S) FOR ELEVATED SLABS
- [] CLOSE-IN OF BRACE FRAMES
- [] EQUIPMENT ANCHORAGE COMPLETE
- [] EPOXY INJECTION
- [] REPAIRS AS NOTED ON THE DETAILS

SAFETY NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE STRUCTURAL ENGINEER DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING FOR VERTICAL AND/OR LATERAL LOADS, SHORING AND LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER WILL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

DESIGN CRITERIA (2022 CBC):

OCCUPANCY

RISK CATEGORY III

LIVE LOADS

ROOF	20.0 PSF (REDUCIBLE) TYP
FLOOR	85.0 PSF (REDUCIBLE) TYP UNO
PARTITION	15.0 PSF TYP
CORRIDORS	100.0 PSF (REDUCIBLE) TYP
STORAGE	___ PSF TYP

PHOTOVOLTAIC PANEL SYSTEM

ROOF LOAD PSF

SNOW LOADS

P_s = ___ PSF
 P_f = ___ PSF
 C_e = ___
 I_s = ___
 C_t = ___
 P_s = ___
 w = ___

RAIN LOAD

RAIN INTENSITY in/hr

LATERAL LOADS

WIND EXPOSURE
 WIND SPEED (BASIC DESIGN) MPH (3 SEC GUST)
 WIND SPEED (ASD) MPH
 INTERNAL PRESSURE COEFFICIENT GC_{pi} = (ENCLOSED)

COMPONENTS & CLADDING (DESIGNED BY OTHERS)

ELEMENT	ZONE	P = P _{TABLE} (EAF)(RF) K _{zt}	
ROOF	1	16.0 PSF & -40 PSF	
	2	16.0 PSF & -63 PSF	
	3	16.0 PSF & -85 PSF	
ROOF OVERHANG	2	-63 PSF	
	3	-106 PSF	
WALL	4	27.0 PSF & -27 PSF	
	5	27.0 PSF & -50 PSF	
PARAPETS	CLASS A	122 PSF	
	CLASS B	84 PSF	

- PLUS & MINUS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
- WIND PRESSURES ARE NET VALUES.
- COMPONENT & CLADDING WIND LOADS ARE FOR A TRIBUTARY AREA OF 10 SQ FT OR LESS. WIND LOADS ON TRIBUTARY AREAS GREATER THAN 10 SQ FT MAY BE REDUCED FOLLOWING THE PROVISIONS OF ASCE 7-10.
- ROOF SYSTEM, INCLUDING CONNECTIONS, SHALL BE DESIGNED AND CONSTRUCTED FOR THE REQUIRED UPLIFT PRESSURES.
- ROOF OVERHANG PRESSURE INCLUDES LOAD FROM BOTH TOP AND BOTTOM SURFACE OF OVERHANG.

SEISMIC

V = EQUIVALENT LATERAL FORCE PROCEDURE BASE SHEAR (STRENGTH DESIGN)

V = C_sW = ___W

C_s = $\frac{S_{ps}}{(R/I_e)}$ = ___

BASIC SEISMIC-FORCE-RESISTING SYSTEM: _____

R = _____ SITE CLASS = _____

I_e = _____ S_s = _____ F_o = _____ S_{ps} = _____

Ω_o = _____ S₁ = _____ F_v = _____ S_{p1} = _____

ρ = _____

C_d = _____ SEISMIC DESIGN CATEGORY = _____

ANALYSIS PROCEDURE:

MODAL RESPONSE ANALYSIS UTILIZED
 MODAL ANALYSIS FORCES MULTIPLIED BY (V/V MODAL ANALYSIS)
 PER ASCE 7-16 SECTION 12.9.1.4.1

STORY DRIFT

DEFORMATION COMPATIBILITY AS REQUIRED BY ASCE 7-16 SECTION 12.12.5 FOR USE IN CLADDING, STAIRS & OTHER NON-STRUCTURAL ELEMENTS
 Δ = _____

FLOOD DESIGN DATA

BUILDING NOT LOCATED IN FLOOD HAZARD AREA

SPECIAL LOADS

NONE APPLICABLE

SEISMIC

F_p = SEISMIC DESIGN FORCE (STRENGTH DESIGN PER ASCE 7-16 CHAPTER 13)

F_p = $\frac{0.4 \cdot a_p \cdot S_{ps} \cdot W_p}{(R_p/I_e)}$ (1+2z/h) ≥ 0.3S_{ps}I_eW_p

a_p, R_p, & Ω_o AS PER TABLE 13.5-1 & 13.6-1 IN ASCE 7-16

I_e = _____

GENERAL NOTES:

- ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- TYPICAL NOTES AND DETAILS SHALL APPLY UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS.
- DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITION.
- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2022 CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, VOLUME 2 WITH LATEST REVISIONS REFERRED TO HEREIN AS "THE CODE", AND OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS, WHERE NO DETAIL ARE GIVEN. CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. IF CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS SHALL PREVAIL (FOR BIDDING). STRUCTURAL ENGINEER SHALL BE NOTIFIED OF CONFLICTS AND THAT PORTION OF WORK SHOULD NOT PROCEED UNTIL CONFLICT IS RESOLVED.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- ASTM SPECIFICATIONS ON THE DRAWINGS AND SPECIFICATIONS SHALL BE OF THE LATEST REVISION.
- CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
- HEAVY EQUIPMENT, CRANES AND MATERIAL STOCKPILES SHALL NOT BE LOCATED ON OR ADJACENT TO SHORING.
- SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER AND APPROVED BY THE APPROPRIATE AGENCY. FOR A SUBSTITUTION TO BE REVIEWED THE CONTRACTOR SHALL AGREE & COMPLY WITH THE FOLLOWING:
 - THE CONTRACTOR SHALL BE BILLED ON A TIME AND MATERIALS BASIS FOR THE REVIEW OF THE SUBSTITUTION WITH NO GUARANTEE OF APPROVAL.
 - VERIFY THAT THE SUBSTITUTION DOES NOT AFFECT DIMENSIONS SHOWN ON DRAWINGS.
 - THE CONTRACTOR SHALL ALSO PAY FOR CHANGES TO THE BUILDING DESIGN, WHICH INCLUDES BUT IS NOT LIMITED TO: ENGINEERING DESIGN, DETAILING, APPROVAL AGENCY PROCESS AND CONSTRUCTION COSTS CAUSED BY THE REQUESTED SUBSTITUTION.
 - THE PROPOSED SUBSTITUTION IS TO HAVE NO ADVERSE AFFECT ON OTHER TRADES, THE CONSTRUCTION SCHEDULE, OR THE SPECIFIED WARRANTY REQUIREMENTS.
- NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF A CONFLICT, THE STRUCTURAL ENGINEER AND ARCHITECT ARE TO BE NOTIFIED IMMEDIATELY. DRAWING SCALES GIVEN ARE APPROXIMATE- DO NOT SCALE PLANS OR DETAILS.
- SEE VISITS BY STRUCTURAL ENGINEER SHALL NOT BE IN LIEU OF INSPECTIONS.
- SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
 - SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS.
 - SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS.
 - SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES AND DEPRESSED AREAS, CHANGE IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
 - SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN.
 - FLOOR AND ROOF FINISHES.
 - DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THE FOLLOWING:
 - PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC EXCEPT AS SHOWN OR NOTED.
 - ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALL OR SLABS.
 - CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
 - SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES AND ANCHOR BOLTS FOR MOTOR MOUNTS.

INSPECTION NOTES:

GENERAL:

- IN ADDITION TO THE INSPECTIONS REQUIRED BY SECTION 110 OF THE 2022 CBC, THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PERFORM SPECIAL INSPECTIONS AND TESTS AS INDICATED ON THE STATEMENT OF SPECIAL INSPECTIONS.
- INSPECTORS: ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION AGENCY WHICH IS IN THE EMPLOYMENT OF THE OWNER.
 - ALL SPECIAL INSPECTION AND TESTING AGENCIES SHALL BE QUALIFIED PER ASTM E329 AND APPROVED BY THE BUILDING DEPARTMENT.
 - SPECIAL INSPECTORS SHALL SUBMIT INSPECTION REPORTS TO BUILDING DEPARTMENT, OWNER, ARCHITECT AND ENGINEER WITHIN TWO WEEKS OF PERFORMANCE OF INSPECTION OR TEST.
 - REFER TO CHAPTER 17 OF THE CODE FOR OTHER REQUIRED SPECIAL INSPECTIONS AND TESTS NOT LISTED.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THE TESTS AND INSPECTIONS ARE PERFORMED. JOBSITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTIONS.
 - PRIOR TO THE COMPLETION OF WORK INCLUDED IN THE CONSTRUCTION DOCUMENTS, SPECIAL INSPECTORS SHALL SUBMIT A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TEST, AND CORRECTIONS OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS, TO THE BUILDING OFFICIAL, OWNER, ARCHITECT AND ENGINEER.
 - WHERE THE CONTRACTOR CHOOSES TO USE AN APPROVED ALTERNATIVE MEANS FOR FASTENING OR ANCHORING MATERIALS THAT REQUIRE SPECIAL FIELD INSPECTION, SUCH AS FIELD WELDING, ADHESIVE OR EXPANSION ANCHORS, ETC. ALL ADDITIONAL SPECIAL INSPECTION AND TESTING COSTS SHALL BE PAID BY THE OWNER AND DEDUCTED FROM THE CONTRACT AMOUNT.

STRUCTURAL SHEET INDEX:

- S0.1 GENERAL NOTES & ABBREVIATIONS
- S0.2 GENERAL NOTES
- S0.3 GENERAL NOTES

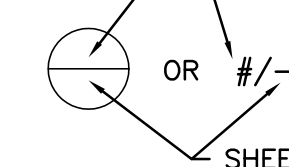
- S1.0 TYPICAL DETAILS - CONCRETE
- S1.1 TYPICAL DETAILS - CONCRETE
- S1.2 TYPICAL DETAILS - WOOD
- S1.3 TYPICAL DETAILS - WOOD
- S1.4 TYPICAL DETAILS - I-JOISTS
- S1.5 TYPICAL DETAILS - I-JOISTS

- S2.0 FOUNDATION PLAN
- S2.1 ROOF FRAMING PLAN

- S3.0 WALL SECTIONS

- S4.0 DETAILS
- S4.1 DETAILS

NUMBER OR LETTER IDENTIFYING PLAN, SECTION, ELEVATION OR DETAIL



SHEET NUMBER WHERE PLAN, SECTION, ELEVATION OR DETAIL IS LOCATED. A DASH INDICATES THAT THE PLAN, SECTION, ELEVATION OR DETAIL OCCURS ON THE SAME SHEET FROM WHICH IT IS BEING REFERENCED.

**FOR PLAN REVIEW
NOT FOR CONSTRUCTION**

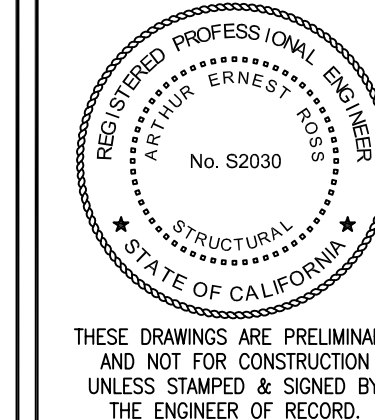
STAMPS / APPROVALS

DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATING MAINTENANCE PLAN CHECK COMMITTEE CERTIFICATION THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.
CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY ASSOCIATES
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THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

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COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
 DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE

DAVIS, CA 95616

DRAWING TITLE

GENERAL NOTES & ABBREVIATIONS

PROJECT MGR #	PROJECT NO. 23025	DRAWING NO. S0.1
CREATED BY AER	DATE 3/7/24	ZONE D037
DESIGNED BY AER	SCALE 3/8" = 1'-0"	REV.
DRAWN BY MTC	DATE JANUARY 08, 2024	SHEET OF 8

CONCRETE:

- CONCRETE CONSTRUCTION SHALL CONFORM TO THE CODE PER GENERAL NOTES.
- CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ASTM C94 AND ACI STANDARD 304. IN ADDITION, MAXIMUM FREE FALL OF CONCRETE SHALL BE 4'-0".
- ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY SUITABLE MEANS DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FIXTURES AND INTO CORNERS OF FORMS.
- THE MINIMUM 28 DAY STRENGTH SHALL BE PER MIX DESIGN SCHEDULE.
- CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- CONCRETE AGGREGATES:
 - NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33.
 - LIGHTWEIGHT AGGREGATES SHALL CONFORM TO ASTM C330.
- MINERAL ADMIXTURES SHALL COMPLY WITH ASTM C618 CLASS F.
- LIQUID ADMIXTURES SHALL COMPLY WITH THE FOLLOWING:
 - WATER REDUCERS ASTM C494 TYPE A
 - MID-RANGE WATER REDUCERS ASTM C494 TYPE A & F
 - NON-CHLORIDE ACCELERATORS ASTM C494 TYPE C OR C & E
 - RETARDING ADMIXTURES ASTM C494 TYPE B OR B & D
- GENERAL:
 - NO PIPES OR DUCT SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
 - REFER TO ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS FOR ALL MOULDS, GROOVES, ORNAMENTS, CLIPS, ETC. TO BE CAST IN CONCRETE.
- ALL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 318 SECTION 26.5.6 AND THE TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON THE STRUCTURAL DRAWINGS. ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE DUST, CHIPS, OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE. THE CONTRACTOR SHALL SUBMIT THE PROPOSED LOCATIONS OF CONSTRUCTION JOINTS TO THE ENGINEER FOR REVIEW BY THE STRUCTURAL ENGINEER BEFORE STARTING CONSTRUCTION.
- MAXIMUM SPACING OF CONSTRUCTION OR CONTROL JOINTS FOR A REINFORCED SLAB ON GRADE OR ELEVATED SLAB OVER METAL DECK SHALL BE 20'-0" OC.
- REMOVE ALL DEBRIS AND EXCESS WATER FROM THE FORMS BEFORE PLACING ANY CONCRETE.
- REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED AND FREE OF EXCESSIVE SCALE, RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCES THAT WILL IMPAIR BOND WITH CONCRETE. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE.
- WALLS SHALL BE PLACED IN HORIZONTAL LAYERS OF 2'-0" MAXIMUM DEPTH.
- CONCRETE IN WALLS, PIERS OR COLUMNS SHALL SET AT LEAST 2 HOURS BEFORE PLACING CONCRETE IN BEAMS, SPANDRELS OR SLABS SUPPORTED THEREON.
- NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
- CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGNS TO THE ARCHITECT/ENGINEER OF RECORD FOR REVIEW PRIOR TO PLACEMENT OF ANY CONCRETE. CONCRETE MIX DESIGNS SHALL PER ACI 318 CHAPTER 26 AND ACI 301 SECTION 5. CALCIUM CHLORIDE OR ADMIXTURES WHICH ADD CHLORIDES ARE NOT PERMITTED.
- NOTIFY THE ENGINEER OF RECORD (AND BUILDING OFFICIAL WHEN REQUIRED) 2 BUSINESS DAYS PRIOR TO PLACING CONCRETE.
- CAST-IN-PLACE CONCRETE (NON-PRESTRESSED), THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER:
 - NO. 5 BAR, W31 OR D31 WIRE, AND SMALLER 1½"
 - NO. 6 THROUGH NO. 11 BAR 2"
 - NO. 12 THROUGH NO. 18 BAR 2½"
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 - SLABS, WALLS, JOISTS:
 - NO. 14 AND NO. 18 BAR 1½"
 - NO. 11 BAR AND SMALLER ¾"
 - BEAMS, COLUMNS:
 - PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS 1½"
 - CONCRETE TILT-UP PANELS CAST AGAINST A RIGID HORIZONTAL SURFACE, SUCH AS A CONCRETE SLAB, EXPOSED TO THE WEATHER:
 - NO. 8 AND SMALLER 1"
 - NO. 9 THROUGH NO. 18 2"
- ALL BARS SHALL HAVE A CLASS "B" MINIMUM SPLICE LAP UNO. SEE REINFORCEMENT LAP SPLICES TABLE.
- SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART, UNO.
- DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH THE SAME SIZE REINFORCING, UNO.
- SPLICE CONTINUOUS BARS IN SPANDRELS, GRADE BEAMS, WALL BEAMS, ETC. AS FOLLOWS: TOP BARS AT MID-SPAN, BOTTOM BARS AT CENTERLINE SUPPORT UNO.
- HORIZONTAL WALL REINFORCING IN DOUBLE LAYER WALLS SHALL BE STAGGERED. USE #2 SPREADERS APPROXIMATELY EVERY THIRD INTERSECTION EACH DIRECTION FOR ALL DOUBLE LAYER WALLS.
- MINIMUM WALL REINFORCING SHALL BE:

WALL THICKNESS	SINGLE LAYER	DOUBLE LAYER
7" OR LESS	#4 @ 12" OC EA WAY	
8"	#4 @ 10" OC EA WAY	
9" & 10"	#4 @ 16" OC EA WAY	
11" & 12"	#4 @ 12" OC EA WAY	
- REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND INSTALLED IN ACCORDANCE WITH ACI 315. SEE REINFORCING STEEL NOTES FOR ADDITIONAL REQUIREMENTS.
- FINAL PRODUCT AS INDICATED ON DRAWINGS SHALL COMPLY WITH THE FOLLOWING:
 - ALL CONCRETE SHALL HAVE A "CLASS B" FINISH PER ACI 117 AND ACI 347 WITH GRADUAL IRREGULARITIES LIMITED TO ¼" IN 5'-0" AS MEASURED WITH A STRAIGHT EDGE.
 - SURFACE IRREGULARITIES ATTRIBUTABLE TO PLACEMENT AND CONSOLIDATION DEFICIENCIES AS DEFINED IN ACI 309.2R (E.G., BUG HOLES, HONEYCOMB, ETC.) WILL BE REVIEWED BY THE ARCHITECT AND ENGINEER. UNSATISFACTORY WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - GRADUAL SURFACE IRREGULARITIES SHALL NOT BE CUMULATIVE.
- FOR CONTROLLED LOW-STRENGTH MATERIAL (CLSM), SEE FOUNDATION NOTES.

MIX DESIGN SCHEDULE							
TYPE	USE CLASS	STRENGTH "f'c" MIN @ 28 DAYS (PSI)	CONCRETE UNIT WEIGHT (PCF)	MAX AGGREGATE SIZE (IN)	MAX (6) SLUMP (IN)	MAX WATER TO CEMENT RATIO (%)	FLY ASH (7) REPLACEMENT (%)
A	SLAB ON GRADE	4000	150	1"±¼"	4"±1"	.40	15% MIN 25% MAX
B	FOUNDATIONS	3000	150	1"±¼"	4"±1"	.50	15% MIN 25% MAX
C	WALLS	3000	150	1"±¼"	4"±1"	.50	15% MIN 25% MAX
D	SLAB OVER STEEL DECK	4000	150	1"±¼"	4"±1"	.50	15% MIN 25% MAX
E	SITE	2500	-	1"±¼"	4"±1"	.55	15% MIN 25% MAX
F	-	-	-	-	-	-	-

- FOOTNOTES:
- ADD WATER REDUCING ADMIXTURES PER SPECIFICATIONS FOR PLACING.
 - FOR HOT WEATHER CONCRETING REFER TO ACI 305R.
 - FOR COLD WEATHER CONCRETING REFER TO ACI 306R.
 - OTHER ADMIXTURES SHALL BE REVIEWED BY THE ENGINEER OF RECORD AND TESTING LABORATORY UPON CONCRETE MIX DESIGN SUBMITTAL.
 - SLUMPS SHALL NOT EXCEED 8"±1½" WHEN USING MID-RANGE WATER REDUCERS.
 - ADDITIONAL WATER SHALL NOT BE ADDED TO THE CONCRETE ONCE THE TRUCK LEAVES THE BATCH PLANT.
 - MIX DESIGN SHALL NOT BE PROPORTIONED WITHOUT FIELD EXPERIENCE OR TRIAL MIXTURES PER ACI 318, SECTION 26.4.3 WHEN USING MORE THAN 15% FLY ASH REPLACEMENT BY WEIGHT.

REINFORCEMENT LAP SPLICE LENGTHS (IN INCHES)

f'c = 2500 PSI AT 28 DAYS										
SPLICE CLASS	REINFORCEMENT LOCATION	REINFORCEMENT SIZE (GR60, UNO)								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	31	41	51	61	89	101	114	129	143
	OTHER	24	32	39	47	68	78	88	99	110

f'c = 3000 PSI AT 28 DAYS										
SPLICE CLASS	REINFORCEMENT LOCATION	REINFORCEMENT SIZE (GR60, UNO)								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
A	TOP	21	28	36	43	62	71	80	90	100
	OTHER	16	22	27	33	48	55	62	70	77
B	TOP	28	37	46	56	81	93	104	118	131
	OTHER	21	28	36	43	62	71	80	91	101

f'c = 3500 PSI AT 28 DAYS										
SPLICE CLASS	REINFORCEMENT LOCATION	REINFORCEMENT SIZE (GR60, UNO)								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
A	TOP	20	26	33	40	58	66	74	84	93
	OTHER	15	20	25	30	44	51	57	64	72
B	TOP	26	34	43	51	75	86	97	109	121
	OTHER	20	26	33	40	58	66	75	85	94

f'c = 4000 PSI AT 28 DAYS										
SPLICE CLASS	REINFORCEMENT LOCATION	REINFORCEMENT SIZE (GR60, UNO)								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
A	TOP	18	25	31	37	54	62	69	78	87
	OTHER	14	19	24	28	42	47	53	60	67
B	TOP	24	32	40	48	70	80	91	102	113
	OTHER	19	25	31	37	54	62	70	79	87

- FOOTNOTES:
- TABLE ABOVE BASED ON UNCOATED REINFORCING.
 - TOP REINFORCING IS HORIZONTAL REINFORCEMENT THAT HAS MORE THAN TWELVE INCHES OF FRESH CONCRETE CAST BELOW IT.
 - FOR BARS WITH COVER LESS THAN 1 BAR DIAMETER OR WITH CLEAR SPACING LESS THAN 2 BAR DIAMETERS, INCREASE LAP SPLICE BY 50%.
 - FOR LIGHTWEIGHT AGGREGATE CONCRETE, (WT = 110 PCF) INCREASE LAP SPLICE BY 30%.
 - ALL LAP SPLICES SHALL BE CLASS B, UNO.

FOUNDATIONS:

- REFER TO RECOMMENDATIONS IN GEOTECHNICAL REPORT, FILE NO. _____ BY _____ DATED _____ ALLOWABLE SOIL BEARING PRESSURE FOR FOUNDATION IS _____ PSF (DL + LL) AND _____ PSF (DL + LL + SEISMIC OR WIND).
- ALL SITEWORK AND GRADING SHALL BE DONE IN COMPLIANCE WITH THE GEOTECHNICAL REPORT AND THE CONTRACT DOCUMENTS.
- GEOTECHNICAL ENGINEER SHALL BE RETAINED TO PROVIDE INSPECTION AND TESTING SERVICES DURING GRADING AND FOUNDATION PHASE OF CONSTRUCTION AS PER GEOTECHNICAL REPORT RECOMMENDATIONS. INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO DSA/HCAI. GEOTECHNICAL ENGINEER SHALL VERIFY CONDITION AND/OR ADEQUACY OF ALL FOUNDATION EXCAVATIONS PRIOR TO PLACING FORMS OR REINFORCING. WHERE FOOTING BOTTOMS WILL BEAR ON CONTROLLED LOW-STRENGTH MATERIAL (CLSM), THE CLSM SHALL COMPLY WITH THE PROVISIONS OF THE GEOTECHNICAL REPORT AS REQUIRED BY SECTION 1804.7 OF THE 2022 CBC.
- ALL FOUNDATIONS ARE SHOWN AND DIMENSIONED AS BEING FORMED. FOUNDATIONS MAY BE PLACED IN NEAT EXCAVATIONS PROVIDED FOOTINGS ARE INCREASED 2" IN WIDTH, SEE TYPICAL UNIFORMED FOOTING DETAIL.
- EXCAVATIONS SHALL BE CLEANED OF ALL DEBRIS AND LOOSE SOIL. STANDING WATER SHALL BE REMOVED PRIOR TO CONCRETE PLACEMENT.
- FOUNDATION DEPTHS INDICATED ON PLANS ARE MINIMUMS BASED OFF OF THE GEOTECHNICAL REPORT MENTIONED ABOVE, AND ARE FOR ESTIMATING PURPOSES. FINAL DEPTHS OF FOOTINGS MAY CHANGE AT THE TIME OF EXCAVATION BY THE GEOTECHNICAL ENGINEER. FOUNDATION DEPTHS DO NOT NECESSARILY ACCOUNT FOR ALL PIPES, CONDUITS, UTILITIES AND TRENCHES ADJACENT TO OR CROSSING FOOTINGS AS SHOWN OR INDICATED ON ALL OTHER CONTRACT DOCUMENTS. STEP FOOTINGS AS REQUIRED TO COMPLY WITH TYPICAL DETAILS FOR PIPES AND CONDUITS AT FOOTINGS.
- TOPS AND BOTTOMS OF ALL FOUNDATIONS SHALL BE LEVEL. SLOPING FOUNDATIONS ARE NOT PERMITTED. CHANGES IN BOTTOM OF FOUNDATION ELEVATION SHALL BE MADE ACCORDING TO STEPPED FOOTING DETAILS.
- FOOTINGS SHALL BE CENTERED UNDER WALLS AND/OR COLUMNS UNLESS OTHERWISE INDICATED ON DRAWINGS.
- CONTRACTOR SHALL CHECK FOOTING FORMS TO VERIFY THAT THEY ARE SQUARE AND PLUMB. THE CONTRACTOR SHALL ALSO VERIFY THAT ALL INSERTS AND EMBEDS ARE IN THEIR CORRECT LOCATION AND ORIENTATION PRIOR TO PLACING CONCRETE.
- NOTIFY THE STRUCTURAL ENGINEER 48 HOURS IN ADVANCE OF PLACING CONCRETE.

REINFORCING STEEL

- REINFORCING SHALL CONFORM TO ASTM A706 - GRADE 60 UNO.
- NO REINFORCING BARS ARE TO BE WELDED UNLESS SPECIFICALLY DETAILED IN CONTRACT DOCUMENTS. ALL BARS SO DETAILED TO BE WELDED SHALL BE ASTM A706 BARS.
- ALL REBAR TO BE WELDED SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED TESTING LABORATORY. CONTRACTOR MUST FURNISH TO THE LABORATORY MILL CERTIFICATES SHOWING CHEMICAL ANALYSIS. ALL PREHEATING AND WELDING SHALL BE DONE BY WELDERS CERTIFIED TO WELD REINFORCING BARS IN ACCORDANCE WITH AWS D1.4-2018 STANDARDS.
- E80xx ELECTRODE SHALL BE USED FOR ALL REBAR WELDING.
- TACK WELDING TO REBAR IS STRICTLY PROHIBITED.
- WIRE FABRIC SHALL CONFORM TO ASTM A1064. WELDED WIRE FABRIC SHALL BE LAP SPLICED TWO SQUARES MINIMUM EACH DIRECTION.
- REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE OR GROUTING MASONRY. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE OR GROUTING MASONRY.
- DRILL THROUGH STEEL COLUMNS AND BEAMS TO PASS CONTINUOUS REINFORCING (1" DIAMETER MAXIMUM) UNO.
- SEE CONCRETE AND/OR MASONRY NOTES AS APPLICABLE FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE AN ALLOWANCE OF 2% OF THE BID FOR ALL REINFORCING STEEL TO BE USED AT THE DISCRETION OF THE STRUCTURAL ENGINEER. UNUSED AMOUNT TO REVERT TO THE OWNER UPON COMPLETION OF THE JOB.

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW	
OPERATIONAL MAINTENANCE PLAN CHECK REVIEW CERTIFICATION THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.	
CHARRISON PLAN CHECK COMMITTEE	DATE

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REN. 01/31/23
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REGISTERED PROFESSIONAL ENGINEER
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No. S2030
STRUCTURAL
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THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE	
COFFEE HOUSE EXPANSION	
ONE SHIELDS AVENUE DAVIS, CA 95616	

DRAWING TITLE	
GENERAL NOTES	

	PROJECT MGR ##	PROJECT NO. 23025	DRAWING NO. S0.2
	CREATED BY AER	DATE 3788	ZONE D037
	DESIGNED BY AER	SCALE 3788	REV. 0
	DRAWN BY MTC	DATE JANUARY 08, 2024	SHEET OF 8

**FOR PLAN REVIEW
NOT FOR CONSTRUCTION**

CAD FILE NO.	FILE NUMBER
	X23071_KPA-UCD_22x34.dwg

NAILING NOTES & SCHEDULE:

- ALL NAILS FOR STRUCTURAL WORK SHALL BE COMMON STEEL WIRE NAILS COMPLYING WITH SECTION 2303.6.
- COMMON STEEL WIRE NAIL DIMENSIONS:

NAIL	SHANK DIAMETER	HEAD DIAMETER	LENGTH
6d	0.113"	0.266"	2"
8d	0.131"	0.281"	2½"
10d	0.148"	0.312"	3"
16d	0.162"	0.344"	3½"
20d	0.192"	0.406"	4"

DIMENSIONAL TOLERANCES SHALL BE AS FOLLOWS:

- LENGTH: ± 1/16" FOR NAILS UP TO 2½" LONG
± 1/32" FOR LONGER NAILS
- HEAD DIAMETER: ±10% OF THE NOMINAL DIAMETER
- SHANK DIAMETER: ± 0.004"

- NAILS NOT COMPLYING WITH NOTE 2 SHALL BE RECOGNIZED BY AN ACCEPTED, VALID, INDEPENDENT THIRD-PARTY RESEARCH REPORT PROVIDING JUSTIFICATION OF THE LOAD-CARRYING CAPACITY OF THE NAILS FOR USE IN CONNECTIONS ADDRESSED IN THE NDS OR SDPWS. SUCH NAILS ARE DEEMED TO BE ALTERNATIVE NAILS TO THE NAILS PRESCRIBED IN THE CBC. THE CONTRACTOR SHALL SUBMIT EVIDENCE OR PROOF SUBSTANTIATING THE USE OF THE ALTERNATIVE NAILS PRIOR TO THEIR USE.
- HOLES SHALL BE PRE-DRILLED WHERE NECESSARY TO PREVENT SPLITTING.
- NAILING NOT NOTED IN SCHEDULE, ON DRAWINGS, OR CBC TABLE 2304.10.2 SHALL BE A MINIMUM OF TWO NAILS AT EACH CONTACT:
8d FOR 1x MATERIAL AND 16d FOR 2x MATERIAL.
- NAILS USED IN WET OR EXTERIOR LOCATIONS, INCLUDING EXTERIOR WALL COVERING ATTACHMENTS, SHALL COMPLY WITH SECTION 2304.10.6.1.
- NAILS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE RETARDANT TREATED LUMBER SHALL COMPLY WITH SECTION 2304.10.5.
- POWER-DRIVEN NAILS INSTALLED IN SIMPSON HARDWARE SHALL BE APPROVED BY SIMPSON AND THE BUILDING DEPARTMENT PRIOR TO INSTALLATION.
- POWER-DRIVEN NAILS TO BE INSTALLED INTO PLYWOOD SHEATHING SHALL BE SUBJECT TO SATISFACTORY JOBSITE INSTALLATION DEMONSTRATION AND CONTINUAL SATISFACTORY INSTALLATION PERFORMANCE. ALL NAIL HEADS TO BE FULL ROUND HEADS.

NAILING SCHEDULE (7)		NAILING
1. JOIST OR RAFTERS TO SIDES OF STUDS 8-INCH JOIST OR LESS FOR EACH ADDITIONAL 4 INCHES IN DEPTH OF JOIST		3- 16d 1- 16d
2. BRIDGING TO JOIST, TOENAIL EACH END A. BLOCKING BETWEEN JOISTS OR RAFTERS- TO JOIST OR RAFTERS- TOENAILS EACH SIDE, EACH END B. BLOCKING BETWEEN STUDS, EACH END		2- 8d 2- 10d(5) 2- 10d TOENAILS OR 2- 16d
3. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS		16d AT 16" OC 3- 16d PER 16"
4. TOP PLATE TO STUD, END NAIL		2x4: 2- 16d 2x6, 2x8: 3- 16d
5. STUD TO SOLE PLATE	4- 8d, TOENAIL OR 2- 16d, END NAIL	
6. MULTIPLE STUDS, FACE NAIL STAGGERED		16d AT 24" OC
7. TOP PLATE TO TOP PLATE, TYPICAL FACE NAIL TOP PLATE TO TOP PLATE, LAP SPLICE		16d AT 16" OC 8- 16d
8. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL		3- 8d
9. RIM JOIST TO TOP PLATE, TOENAIL		8d AT 6" OC
10. TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL		3- 16d
11. BUILT-UP HEADER, FACE NAIL (2" TO 2" HEADER)		16d AT 16" OC ALONG EACH EDGE
12. CEILING JOISTS TO TOP PLATE, TOENAIL		3- 8d
13. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL		3- 16d
14. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL		3- 16d
15. JOISTS OR RAFTERS AT ALL BEARINGS, TOENAIL		3- 8d
16. BUILT-UP CORNER STUDS		16d AT 24" OC
17. BUILT-UP GIRDER & BEAMS, FACE NAIL (2" LUMBER LAYERS, 10" DEEP MAX)		20d AT 32" OC AT TOP & BOTTOM STAGGERED ON OPPOSITE SIDES & 2- 20d AT ENDS & AT EACH SPLICE
18. WOOD STRUCTURAL PANELS & PARTICLEBOARD (1) SUBFLOOR, ROOF & WALL SHEATHING (TO FRAMING): ½" OR LESS 6d (2) 1½" - ¾" 8d (4) OR 6d (3) ¾" - 1¼" 10d (4) OR 8d (3) COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING): ¾" & LESS 8d (4) ¾" - 1" 8d (4) 1½" - 1¼" 10d (4) OR 8d (3)		

(1) NAILS SPACED AT 6" OC AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT ALL SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL DIAPHRAGMS AND SHEARWALLS, REFER TO SECTION 2305 AND THE TYPICAL STRUCTURAL PLYWOOD NAILING DETAIL. NAILS FOR WALL SHEATHING SHALL BE COMMON.
(2) COMMON OR DEFORMED SHANK.
(3) DEFORMED SHANK.
(4) COMMON.
(5) WHEN POSSIBLE, 2- 16d NAILS DRIVEN PERPENDICULAR TO THE GRAIN SHALL BE USED INSTEAD OF TOENAILS.
(6) SEE NAILING EXAMPLES DETAIL.
(7) FOR WOOD MEMBER CONNECTIONS NOT IDENTIFIED IN THE DRAWINGS OR NAILING SCHEDULE, CONNECT PER CBC TABLE 2304.10.2.

WOOD:

- ALL STRUCTURAL WOOD SHALL CONFORM WITH THE FOLLOWING SPECIFICATIONS:
DOUGLAS FIR-COAST REGION WEST COAST LUMBER INSPECTION BUREAU GRADING RULES #17.
REDWOOD STANDARD SPECIFICATIONS FOR GRADES OF CALIFORNIA REDWOOD LUMBER.
GLUED LAMINATED BEAMS STANDARD SPECIFICATION FOR STRUCTURAL GLUED LAMINATED TIMBER, AITC 117.
PLYWOOD APA VOLUNTARY PRODUCT STANDARD PS 1-19 & PS 2-18 FOR SOFTWOOD PLYWOOD.
ORIENTED STRAND BOARD (OSB) APA STANDARD PRP-108 & PS 2-18
ENGINEERED LUMBER WEYERHAEUSER SPECIFICATIONS
LAMINATED VENEER LUMBER (LVL)
PARALLEL STRAND LUMBER (PSL)
& LAMINATED STRAND LUMBER (LSL) PER ICC EVALUATION SERVICE INC., EVALUATION REPORT ESR 1387 OR APPROVED EQUAL
- MINIMUM GRADES SHALL BE:
STRUCTURAL FRAMING (SF) DF #1 TYPICAL EXCEPT: CEILING JOISTS DF #2
ALL MEMBERS TO BE FREE OF HEART CENTER. TYPICAL UNO.
GLUED LAMINATED MEMBERS (GL) COMBINATION 24F-V4 SPECIES DF/DF FOR SIMPLE SPANS
AND COMBINATION 24F-V8 SPECIES DF/DF FOR CANTILEVERS AND CONTINUOUS CONDITIONS.
STRUCTURAL PLYWOOD (SP) WALL PLYWOOD: 1½" APA RATED SHEATHING, 5 PLY, ¾" SPAN RATING, STRUCTURAL 1, UNO.
ROOF PLYWOOD: 1½" APA RATED SHEATHING, 5 PLY, ¾" SPAN RATING, STRUCTURAL 1, UNO.
ORIENTED STRAND BOARD (OSB) WALLS: 1½" APA RATED SHEATHING, ¾" SPAN RATING, STRUCTURAL 1, UNO
ROOF: 1½" APA RATED SHEATHING, ¾" SPAN RATING, STRUCTURAL 1, UNO.
PARALLEL STRAND LUMBER (PSL) SHALL MEET THE FOLLOWING STRUCTURAL PROPERTIES:
Fb = 2900 PSI
Fv = 290 PSI
E = 2.0E6 PSI
LAMINATED VENEER LUMBER (LVL) SHALL MEET THE FOLLOWING STRUCTURAL PROPERTIES:
Fb = 2600 PSI
Fv = 285 PSI
E = 1.9E6 PSI
LAMINATED STRAND LUMBER (LSL) SHALL MEET THE FOLLOWING STRUCTURAL PROPERTIES:
Fb = 2900 PSI
Fv = 400 PSI
E = 1.7E6 PSI

- WALLS SHALL HAVE DOUBLE TOP PLATES, LAPPED AT WALL AND PARTITION INTERSECTION WITH 3- 16d NAILS. SPLICE UPPER AND LOWER PLATES AS SHOWN IN TYPICAL WALL FRAMING DETAIL.
- PROVIDE 2x SOLID BLOCKING BETWEEN JOISTS OR RAFTERS AT ALL BEARING SUPPORTS, UNLESS NOTED OTHERWISE. BLOCKING SHALL BE FULL DEPTH OF JOISTS/RAFTERS.
- WHEN TOP PLATES ARE NOTCHED OR BORED, SEE TYPICAL DETAIL.
- ALL BOLTS AND LAG SCREWS SHALL COMPLY WITH THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/AWC NDS-2018).
- HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".
- HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE NO LARGER THAN THE ROOT OF THE THREAD.
- LAG SCREWS AND WOOD SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
- ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD. APPLIES ALSO TO POST-INSTALLED ANCHORS. FOR PLATE WASHERS AT SILL BOLTS, SEE DETAILS.

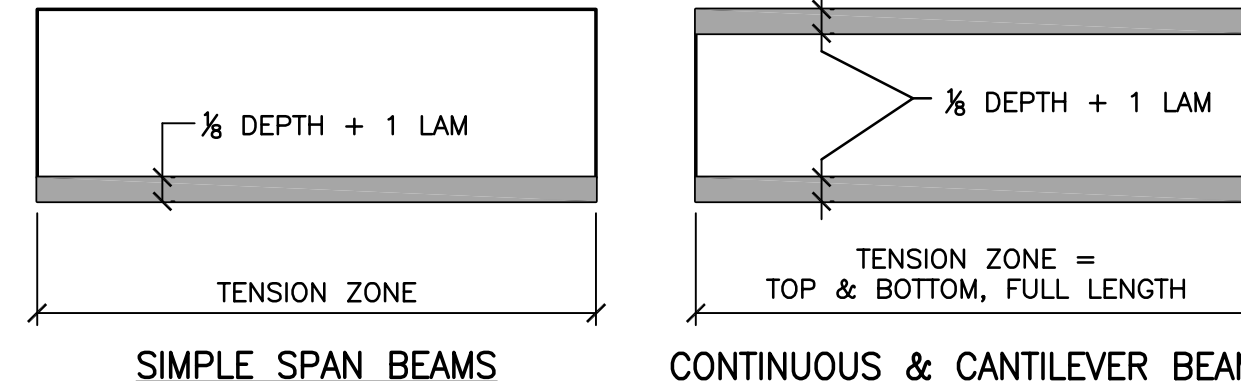
BOLT-DIA	MALLEABLE IRON WASHER	STEEL WASHER	CARRIAGE BOLT-DIA	WROUGHT IRON WASHER
½"	2½"øx¼"	2"x2"x¼"	½"	¾" (2" OD)
¾"	2¾"øx½"	2½"x2½"x¼"	¾"	1" (2¼" OD)
1"	3"øx¾"	3"x3"x½"	1"	1½" (2½" OD)
1½"	3½"øx1"	3½"x3½"x½"	1½"	2" (3" OD)
2"	4"øx1½"	4"x4"x¾"	2"	2½" (3½" OD)
2½"	4½"øx2"	4½"x4½"x¾"	2½"	3" (4" OD)

- ALL BOLTS AND LAG SCREWS SHALL BE TIGHTENED AT TIME OF INSTALLATION AND RE-TIGHTENED BEFORE CLOSING IN OR AT COMPLETION OF JOB.

- INSTALL ALL STRUCTURAL PLYWOOD ON ROOF AND FLOORS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.
- PROVIDE BLOCKING/BRIDGING BETWEEN JOISTS OR RAFTERS AT 8'-0" ON CENTER MAXIMUM, UNLESS NOTED OTHERWISE. SEE FRAMING PLANS AND TYPICAL DETAIL.
- JOISTS UNDER AND PARALLEL TO NON-BEARING PARTITIONS SHALL BE DOUBLED AND NAILED TOGETHER.
- WHERE FRAMING HANGERS ARE REQUIRED AND ARE NOT SHOWN ON SECTIONS, DETAILS OR PLANS THE FOLLOWING SIMPSON HANGERS SHALL BE USED. SLOPE, SKEW, TURN IN FLANGES AND PROVIDE TOP FLANGE HANGERS AS REQUIRED.
2x & 3x MEMBERS U HANGERS
4x MEMBERS HU HANGERS
6x MEMBERS HUF HANGERS
1-JOIST MEMBERS MIT HANGERS
GLU LAM MEMBERS LEG HANGERS
- ALL METAL HARDWARE SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, OR APPROVED EQUAL. ALL ITEMS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS TO THE MAXIMUM CAPACITY. ALL METAL HARDWARE AND FASTENERS EXPOSED TO WEATHER OR IN CONTACT WITH PRESSURE-PRESERVATIVE TREATED WOOD SHALL BE COATED WITH ZMAX (G-185) OR HOT-DIPPED GALVANIZED.
- WOOD SYMBOLS:



- PROVIDE PLYWOOD/OSB EDGE NAILING AROUND ALL OPENINGS AND BLOCK ALL UNSUPPORTED PLYWOOD/OSB EDGES.
- UPSET THREADS ON SILL BOLTS ARE NOT ALLOWED.
- ALL FRAMING LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF INSTALLATION AND SHALL BE AT 19% MAXIMUM MOISTURE CONTENT (VERIFIED BY CONTRACTOR) BEFORE BEING ENCLOSED BY INSULATION, GYPSUM BOARD, OR OTHER SURROUNDING ARCHITECTURAL MATERIALS. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROVIDE LUMBER MEETING THESE CRITERIA.
- BOLTS ARE NOT TO BE INSTALLED IN LUMBER OVER 19% MOISTURE CONTENT.
- EDGE NAILING OF STRUCTURAL WALL SHEATHING TO THE SILL PLATE SHALL NOT OCCUR UNTIL ROOF FRAMING AND SHEATHING IS COMPLETE.
- ALL FASTENERS AND CONNECTORS INSTALLED IN PRESERVATIVE TREATED WOOD, FIRE RETARDANT TREATED WOOD OR EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED.
- ALL WOOD MEMBERS IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-PRESERVATIVE TREATED. FIELD TREAT ALL LOCATIONS WHERE PRESSURE-PRESERVATIVE TREATED WOOD IS CUT, DRILLED OR NOTCHED WITH A WATER-BORNE COPPER-BASED WOOD PRESERVATIVE.
- GLUED LAMINATED MEMBERS:
A. ALL SIMPLE SPAN FLOOR BEAMS AND WALL HEADERS SHALL HAVE 3500 FT RADIUS CAMBER UNO. ALL SIMPLE SPAN ROOF BEAMS SHALL HAVE 1600 FT RADIUS CAMBER UNO. ALL SPANS THAT ARE CONTINUOUS OVER ONE OR MORE INTERMEDIATE SUPPORTS OR SPANS WITH A CANTILEVER SHALL HAVE 1/8" CAMBER, UNO.
B. ALL GLUED LAMINATED MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 16%.
C. SPECIAL INSPECTION OF GLUED LAMINATED BEAMS SHALL BE IN ACCORDANCE WITH CBC SECTION 2303.1.3 AND SECTION 1705A.5.5 (CBC) 1705A.5.5 (DSA/HCAI. SPECIAL INSPECTION IS NOT REQUIRED FOR NON-CUSTOM MEMBERS OF 5½" INCH MAXIMUM WIDTH AND 18 INCH MAXIMUM DEPTH, AND WITH A MAXIMUM CLEAR SPAN OF 32 FEET, MANUFACTURED AND MARKED IN ACCORDANCE WITH ANSI/APA A190.1 SECTION 14.1 FOR NON-CUSTOM MEMBERS.
D. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION OF GLUED LAMINATED MEMBERS. SHOP DRAWINGS SHALL INDICATE BEAMS AS SIMPLE OR CONTINUOUS.
E. APPEARANCE OF MEMBERS SHALL BE FRAMING OR INDUSTRIAL APPEARANCE EXCEPT MEMBERS IN EXPOSED ARCHITECTURAL APPLICATIONS SHALL BE ARCHITECTURAL APPEARANCE UNO.
F. COMPLY WITH AITC 111 FOR PROTECTION DURING SHIPPING AND FIELD HANDLING.
G. SHADED AREAS BELOW SHALL HAVE A 6" MINIMUM JOINT SPACING IN ADJACENT LAMINATIONS.



- STRAPS PASSING THROUGH PLYWOOD SHEATHING WHERE NOTED PER PLANS SHALL PASS THROUGH NEATLY DRILLED ROUND HOLES OR NEATLY SLOTTED HOLES. THE DIAMETER OF HOLES OR LENGTH OF SLOT SHALL NOT EXCEED THE STRAP WIDTH + 1/4 INCH AND WIDTH OF SLOT SHALL NOT EXCEED 1/4 INCH.

STAMPS / APPROVALS		
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FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATIONAL MAINTENANCE PLAN CHECK REVIEW CERTIFICATION
THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____

PRESEY ASSOCIATES
AN ARCHITECTURAL CORPORATION

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Sacramento, CA 95811
Tel 916-346-4280

REGISTERED ARCHITECT
No. C25741
REN. 01/31/23
STATE OF CALIFORNIA

CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190 N
SACRAMENTO, CA 95839
(916) 920-2020 WWW.CYSENG.COM
CYS Job No. 23071

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST BOOS
No. S2030
STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

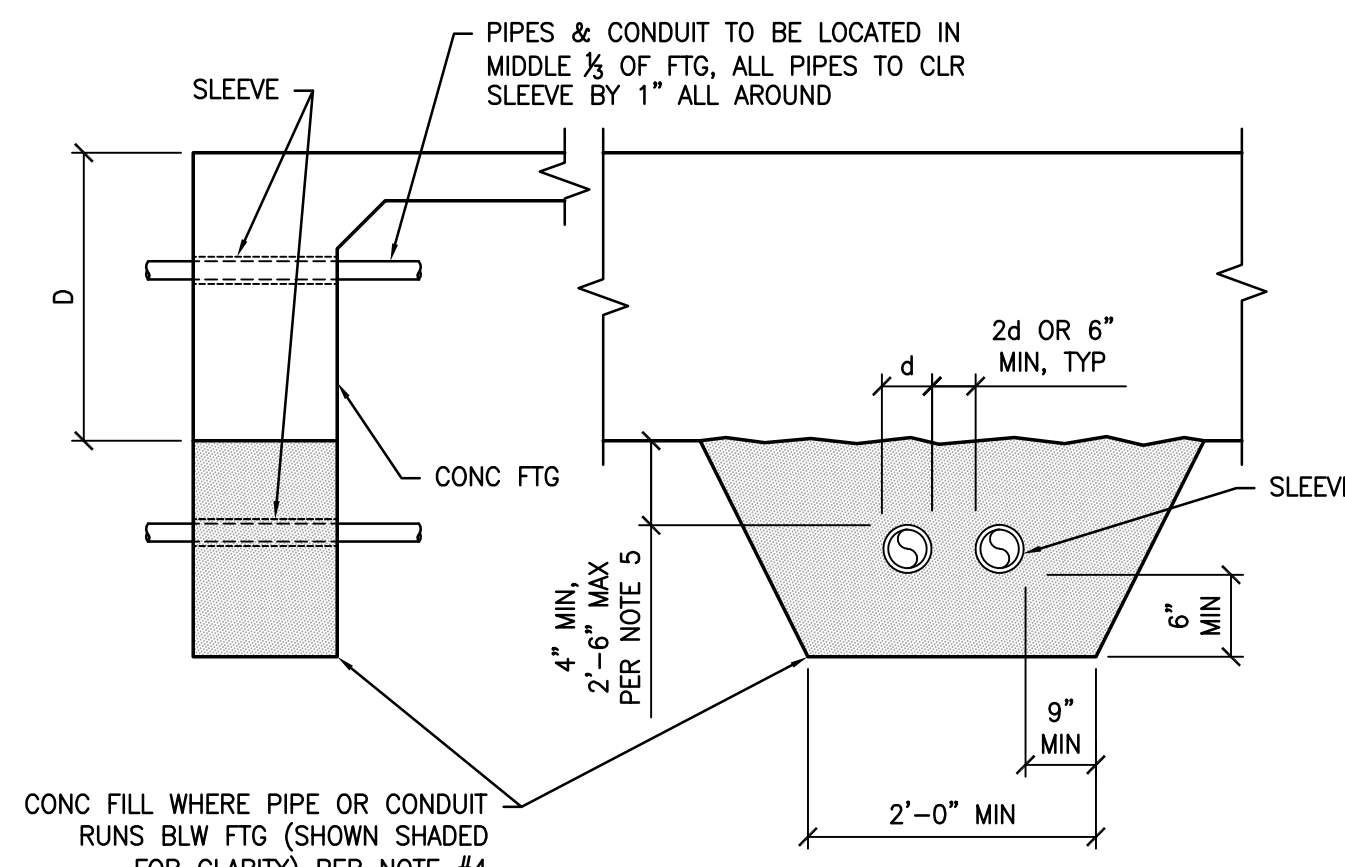
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GENERAL NOTES

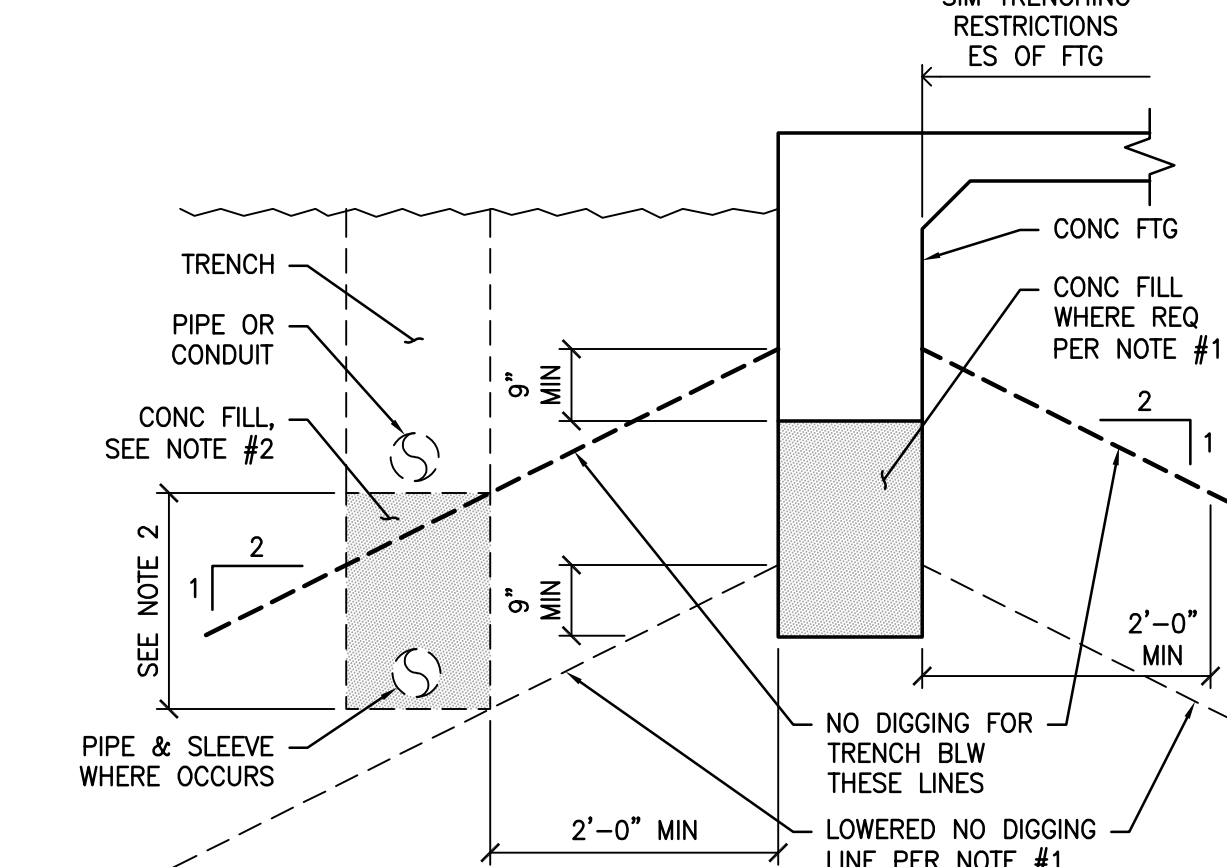
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CREATED BY	DATE	ZONE
AER	3788	D037
DRAWN BY	SCALE	REV.
MTC	D	22 x 34
DATE	JANUARY 08, 2024	SHEET
OF	8	8

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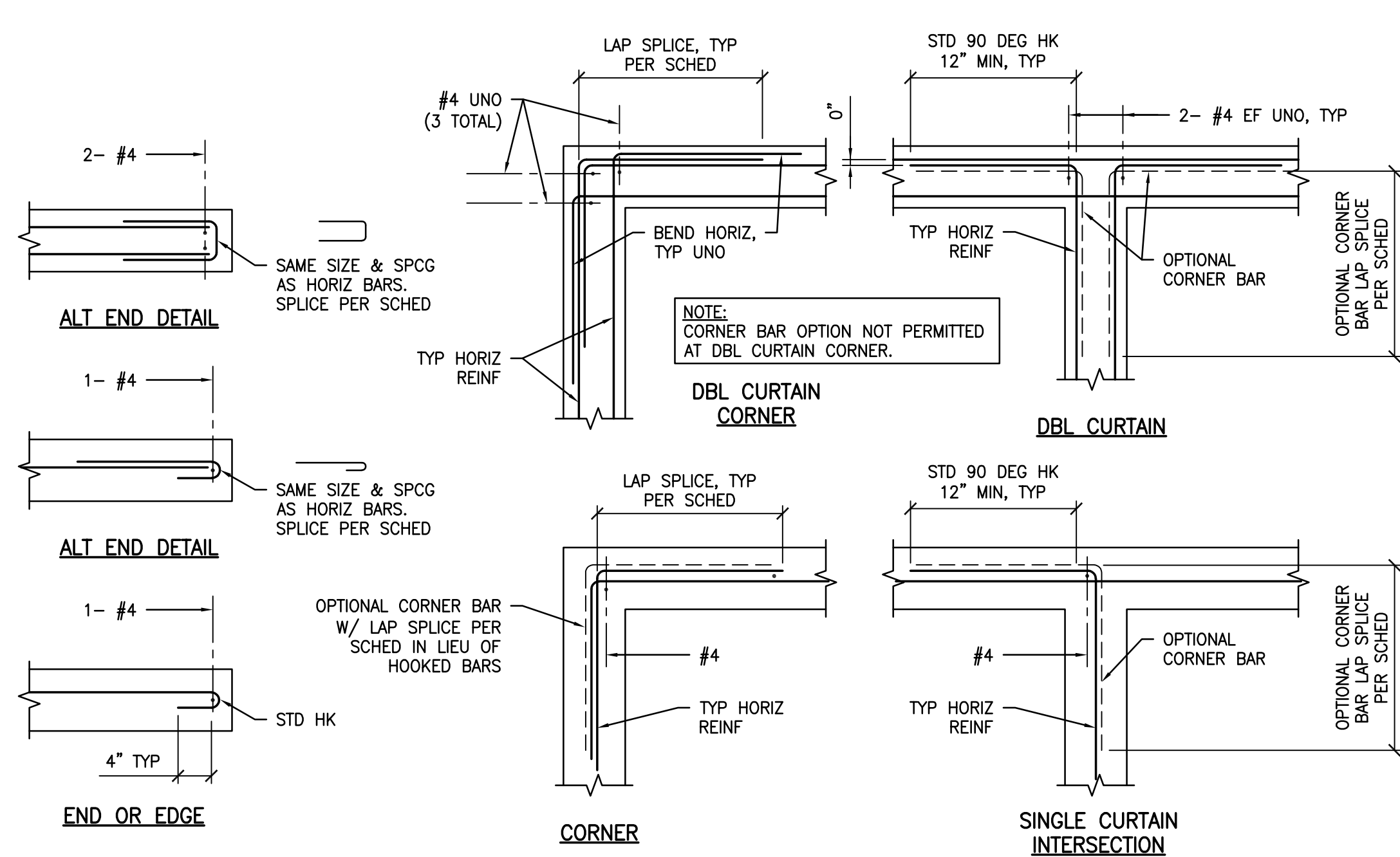
PIPES & CONDUIT PERP TO FTG



PIPES & CONDUIT PARALLEL TO FTG

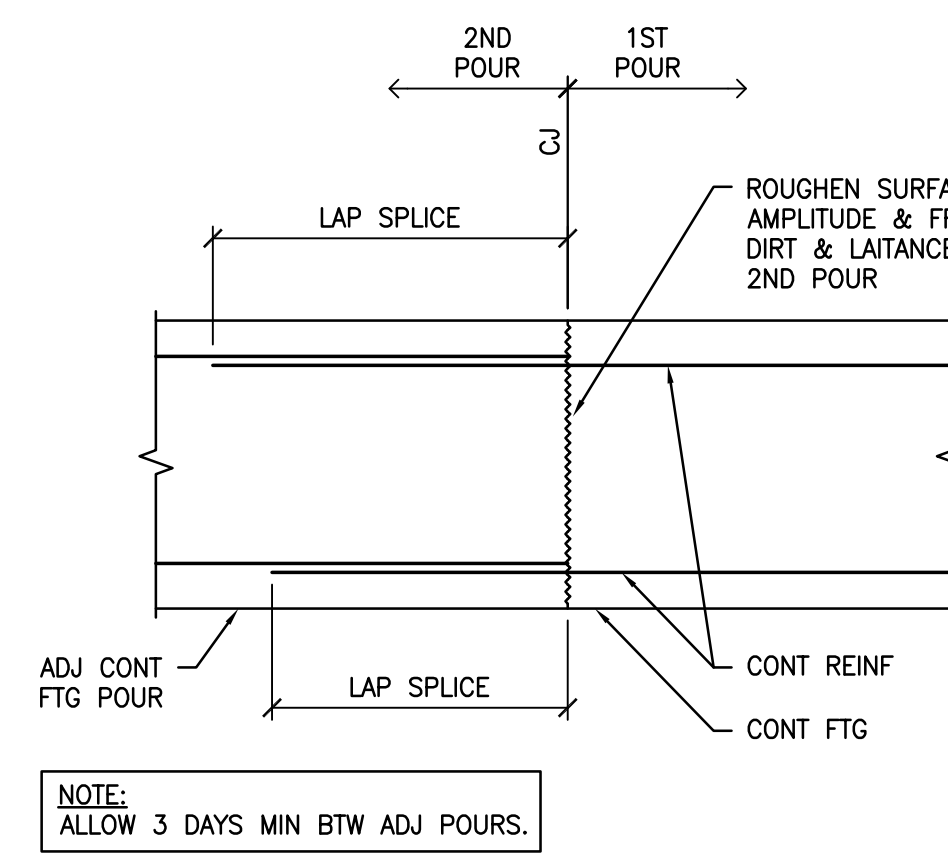
- NOTES:**
- WHERE TRENCH OCCURS BLW "NO DIGGING LINE" (SHOWN AS HEAVY DASHED LINE), LOWER BOF W/ CONC FILL TO LOWER NO DIGGING LINE AS REQ (SHOWN AS LIGHT DASHED LINE).
 - IN LIEU OF LOWERING BOF WHERE TRENCH OCCURS BLW NO DIGGING LINE, FILL PORTION OF TRENCH BLW NO DIGGING LINE W/ CONC FILL PRIOR TO EXCAVATING FTG. PROVIDE SLEEVE W/ 1" CLR AROUND PIPE TO BE ENCASED IN CONC.
 - CONC FILL SHALL HAVE f'_c AT 28 DAYS > 1500 PSI.
 - CONC FILL TO BE SAME WIDTH AS FTG & FULL WIDTH OF PIPE TRENCH.
 - STEP CONC FILL OR FTG IF PIPE IS MORE THAN 2'-6" BLW BOF.
 - NO PIPE SHALL BE PLACED BLW SPREAD FTGS, TYP.
 - IF PIPE IS IN PLACE PRIOR TO CASTING CONC, INSTALL A NON-COMPRESSIBLE SLEEVE AROUND THE PIPE W/ A 1" GAP AROUND THE PIPE.
 - PROVIDE 2" CLR MIN BTW PIPES OR CONDUIT & REINF.
 - NO PIPES ARE ALLOWED WITHIN FTG IN LONGITUDINAL DIRECTION.
 - CONDUITS WITHIN FTG SHALL BE LOCATED SUCH THAT VERT RISERS DO NOT CROSS ADJ HORIZ CONDUIT. MIN COVER SHALL BE 1 1/2" & 2d MIN SEPARATION.

PIPE AT CONDUIT
DETAIL
8
S1.0 NTS

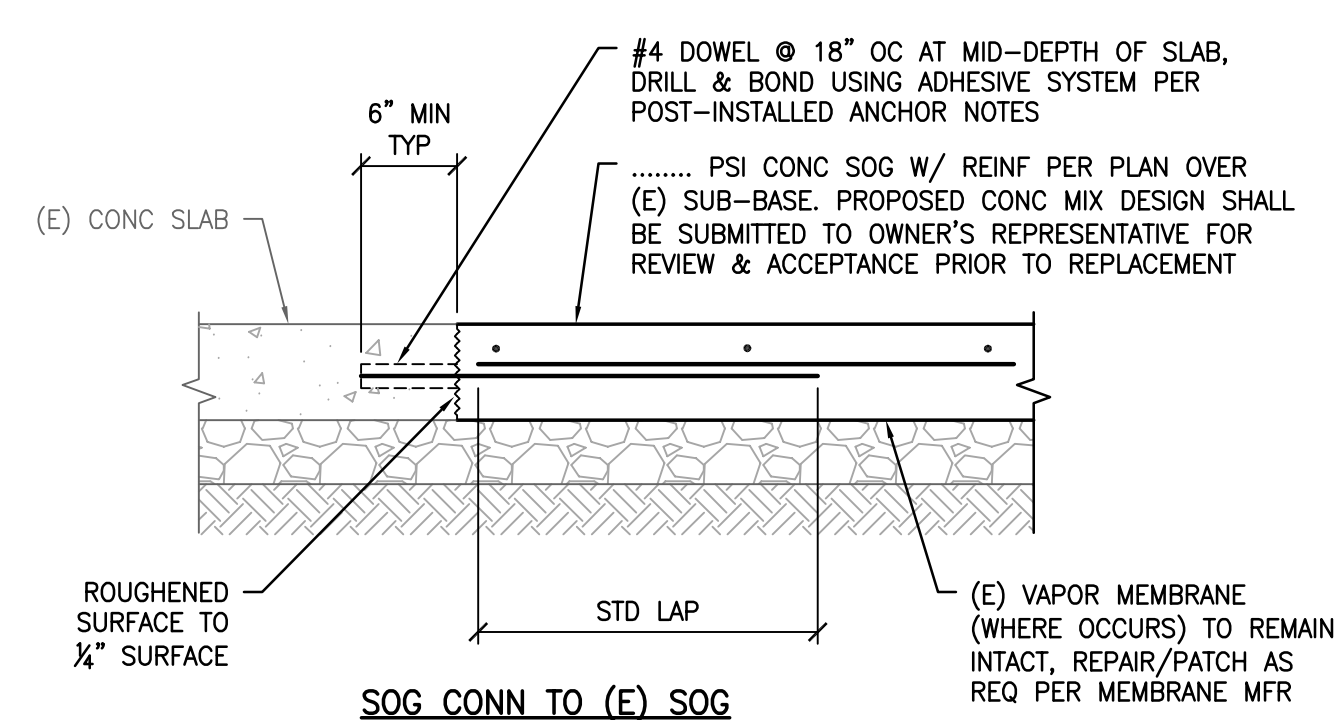


- NOTES:**
- BAR INTERSECTIONS APPLY TO ALL SINGLE, DBL & MULTIPLE CURTAIN INTERSECTIONS & TO ALL VARIATIONS OF VERT & HORIZ REBAR POSITIONS.
 - TYP VERT REINF NOT SHOWN FOR CLARITY.
 - LAP SPLICES PER SCHED ON SHT S0.2.

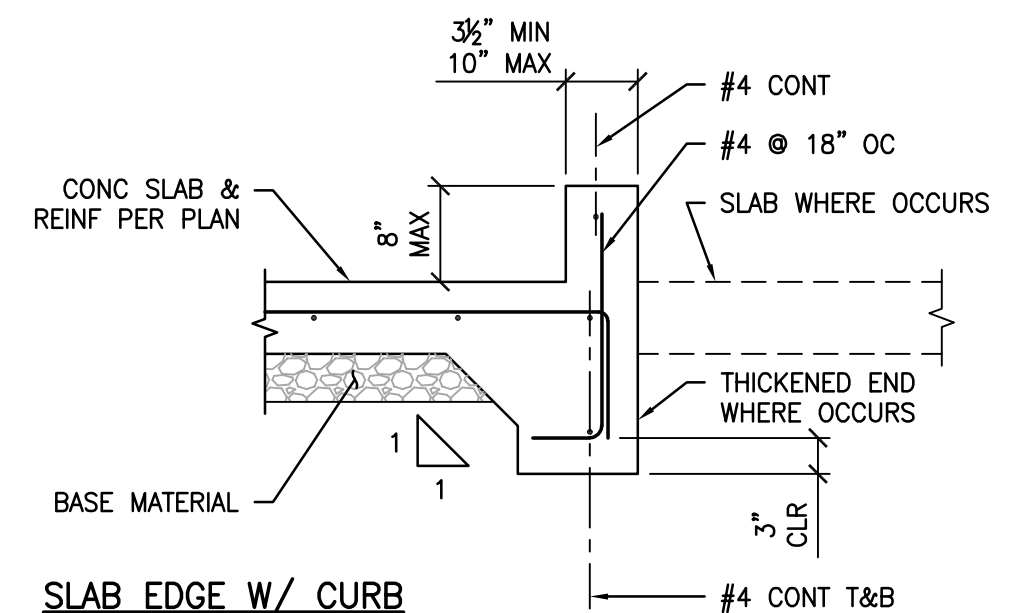
TYP REINF SPLICED AT INTERSECTIONS OF BM, WALLS & FTGS
DETAIL
4
S1.0 NTS



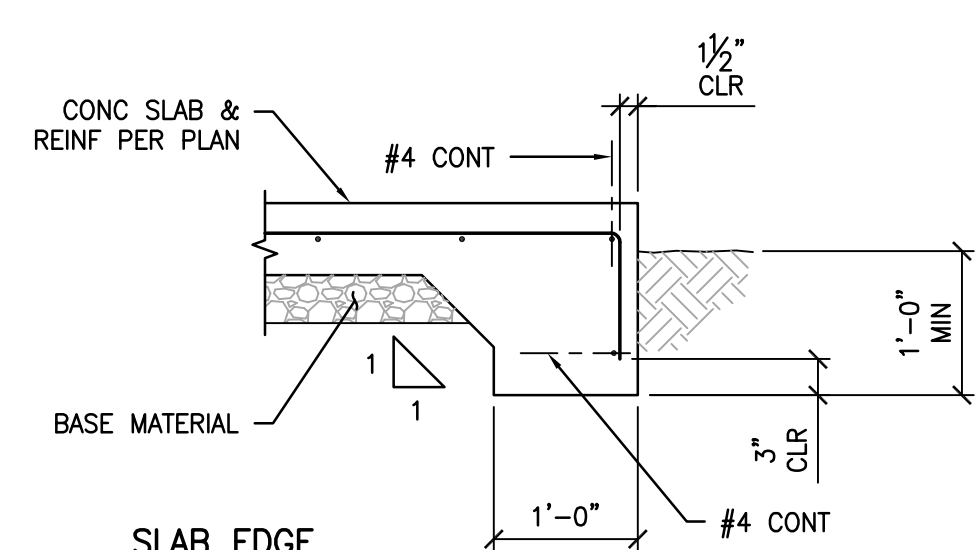
CONC FTG CONSTR JT
DETAIL
6
S1.0 NTS



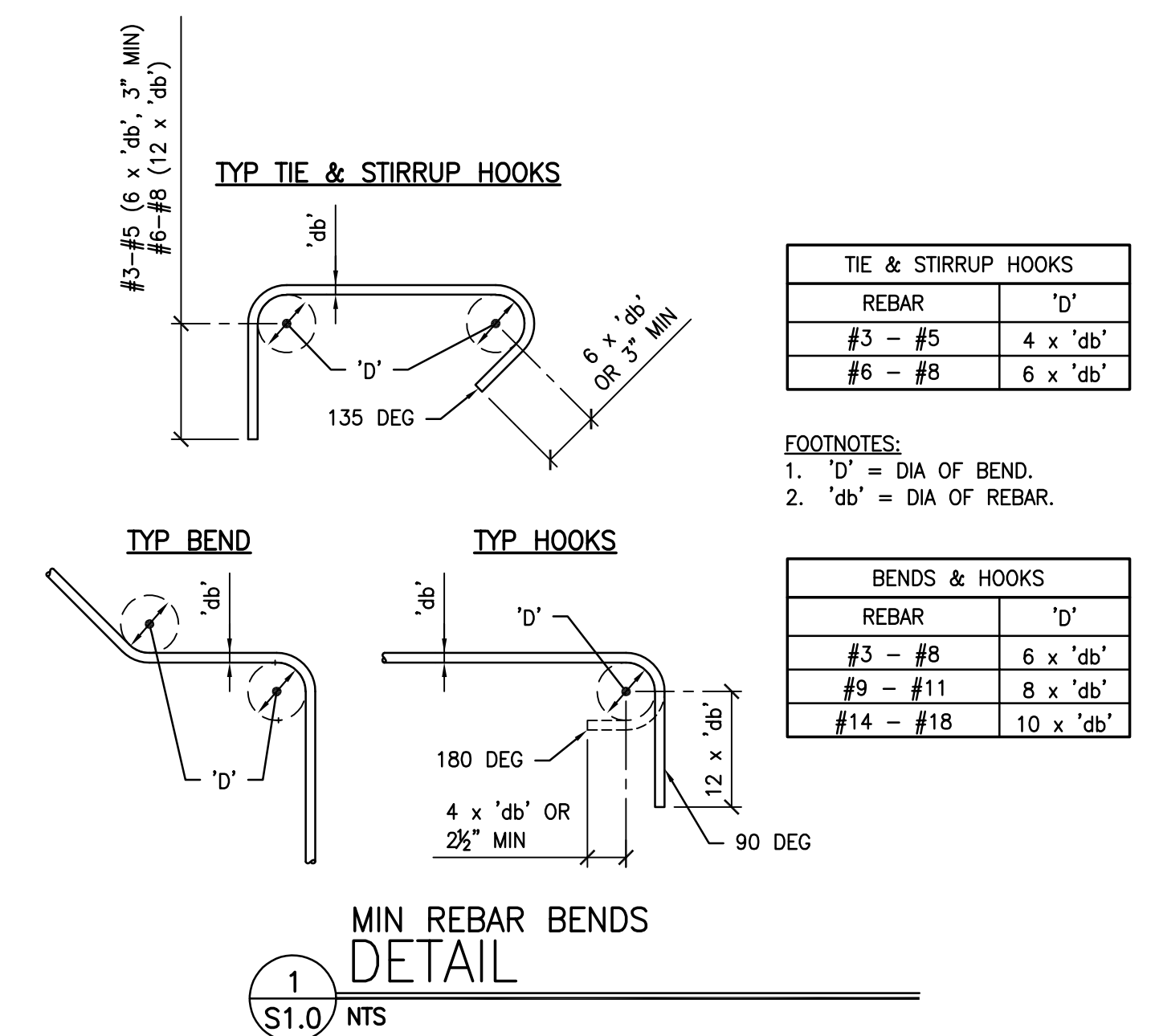
SLAB DOWELS AT (E) SOG
DETAIL
7
S1.0 NTS



- NOTES:**
- FOR INFO NOT SHOWN, SEE TYP SLAB EDGE DTL BLW.
 - SAD FOR CURB SIZE & LOCATION.



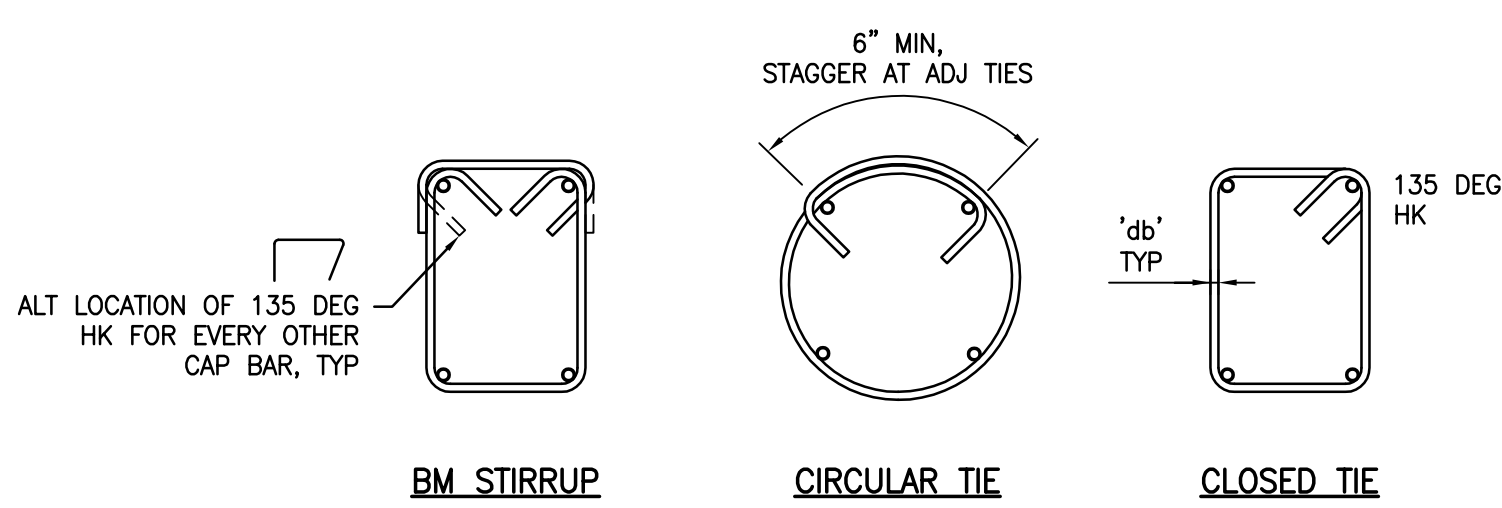
THICKENED SLAB EDGE
DETAIL
5
S1.0 NTS



TIE & STIRRUP HOOKS	
REBAR	'd'
#3 - #5	4 x 'db'
#6 - #8	6 x 'db'

- FOOTNOTES:**
- 'd' = DIA OF BEND.
 - 'db' = DIA OF REBAR.

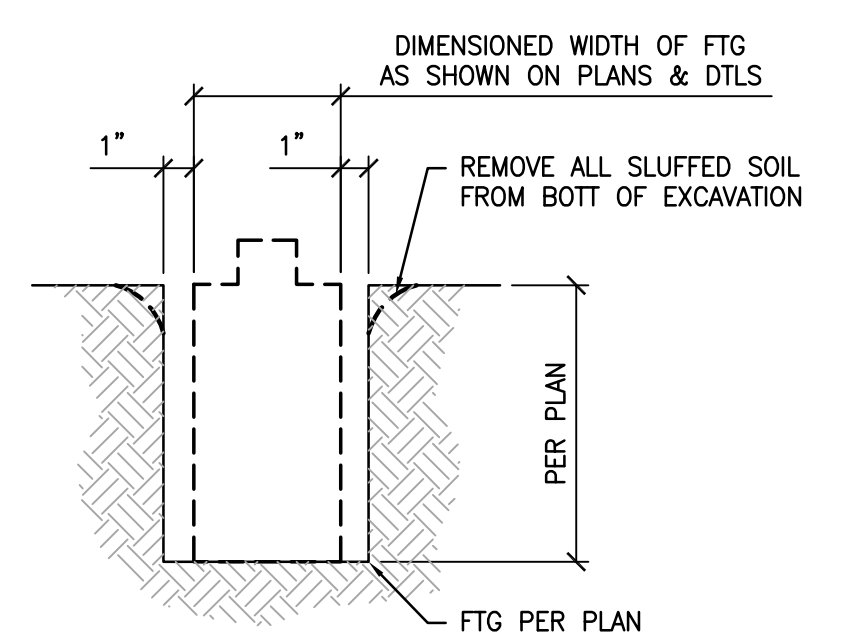
BENDS & HOOKS	
REBAR	'd'
#3 - #8	6 x 'db'
#9 - #11	8 x 'db'
#14 - #18	10 x 'db'



BM STIRRUP CIRCULAR TIE CLOSED TIE

- NOTE:**
- 'db' = DIA OF REBAR.
 - FOR BEND & HK INFO NOT SHOWN, SEE TYP REINF BENDS DTL.

MIN REBAR BENDS
DETAIL
2
S1.0 NTS



UNFORMED FTGS
DETAIL
3
S1.0 NTS

STAMPS / APPROVALS		
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FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW	
OPERATING & MAINTENANCE PLAN CHECK COMMITTEE CERTIFICATION THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.	
CHAIRPERSON PLAN CHECK COMMITTEE	DATE

PRESSEY ASSOCIATES
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STATE OF CALIFORNIA
No. C25741
REN. 01/31/23

CYS STRUCTURAL ENGINEERS, INC.

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CYS Job No. 23071

STATE OF CALIFORNIA
No. S20330

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE

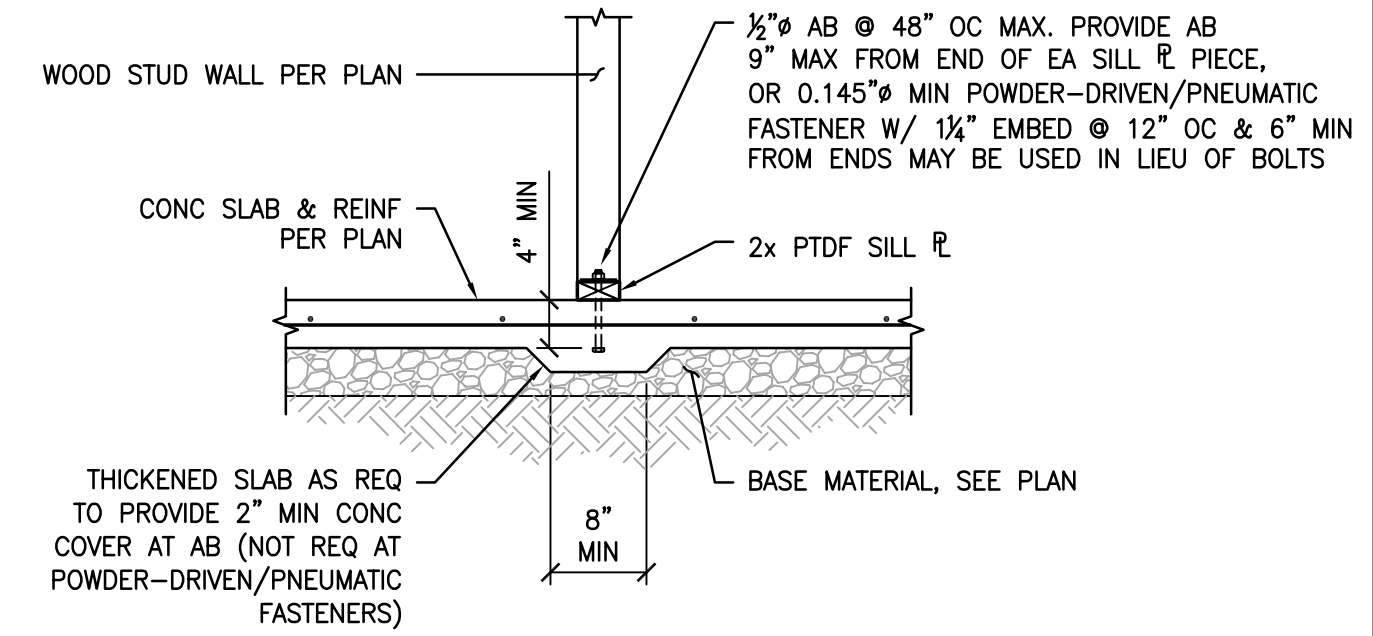
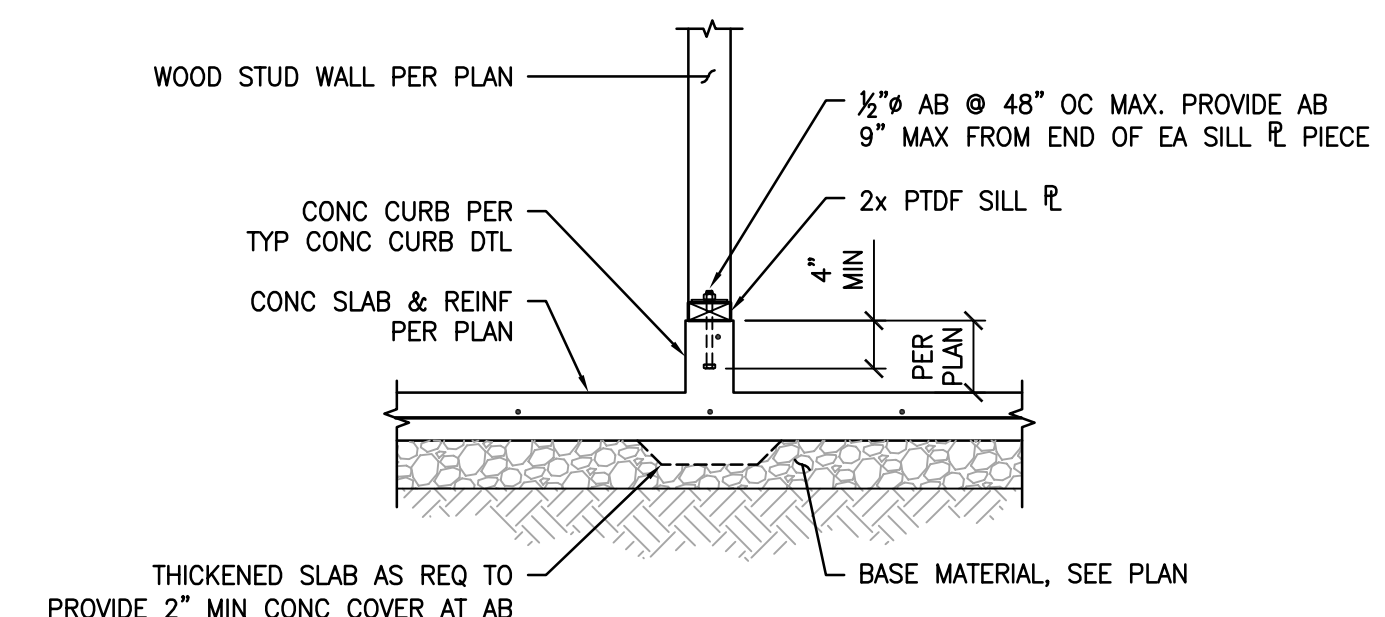
COFFEE HOUSE EXPANSION
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DRAWING TITLE

TYPICAL DETAILS - CONCRETE

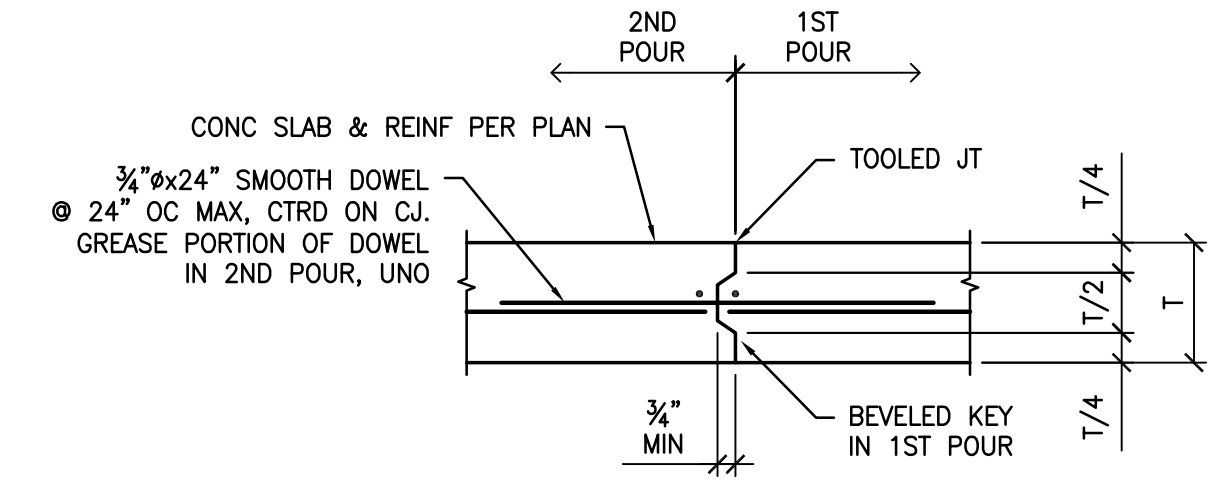
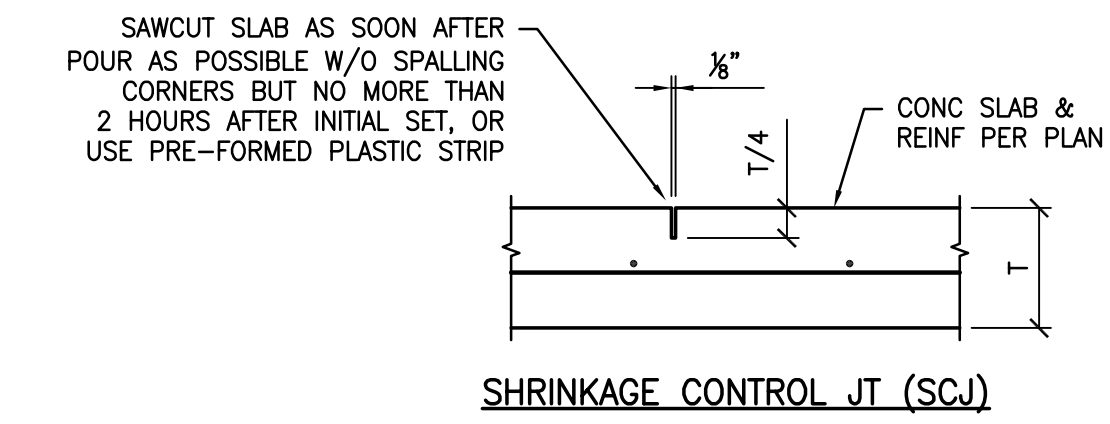
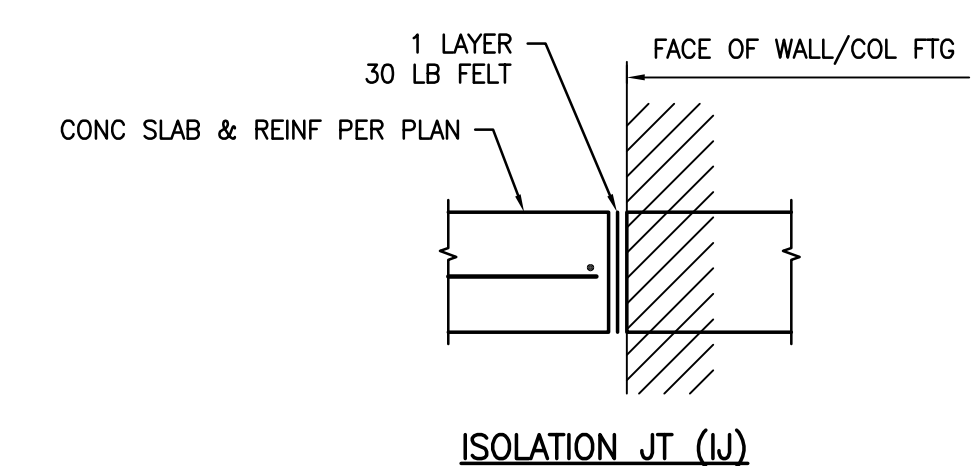
PROJECT MGR	PROJECT NO.	DRAWING NO.
#	23025	S1.0
CREATED BY	DATE	ZONE
AER	3788	D037
DRAWN BY	SCALE	REV.
MTC		
DATE	DATE	SHEET
D 22 x 34	JANUARY 08, 2024	8

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TYP NON-STRUC WOOD STUD WALL DETAIL

1 S1.1 NTS



NOTES:
 PROVIDE CONSTR OR CONTROL JTS AT MAX SPCG (PER CONC NOTES) TO DIVIDE SLAB INTO RECTANGULAR AREAS W/ LONG TO SHORT DIM RATIO NOT EXCEEDING 1 1/2 TO 1. AREAS SHALL NOT HAVE RE-ENTRANT CORNERS.

SOG JTS DETAIL

2 S1.1 NTS

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
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FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

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PRESSEY ASSOCIATES
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LICENSED ARCHITECT
 KEVIN W. PRESSEY
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 CYS Job No. 23071

REGISTERED PROFESSIONAL ENGINEER
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 No. S2030
 STRUCTURAL
 STATE OF CALIFORNIA

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COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE
 COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

DRAWING TITLE
 TYPICAL DETAILS - CONCRETE

PROJECT MGR #	PROJECT NO. 23025	DRAWING NO. S1.1
CHECKED BY AER	DATE 3788	ZONE D037
DESIGNED BY AER	SCALE	REV.
DRAWN BY MTC	DATE JANUARY 08, 2024	SHEET 8
REV. D	SCALE 22 x 34	DATE JANUARY 08, 2024

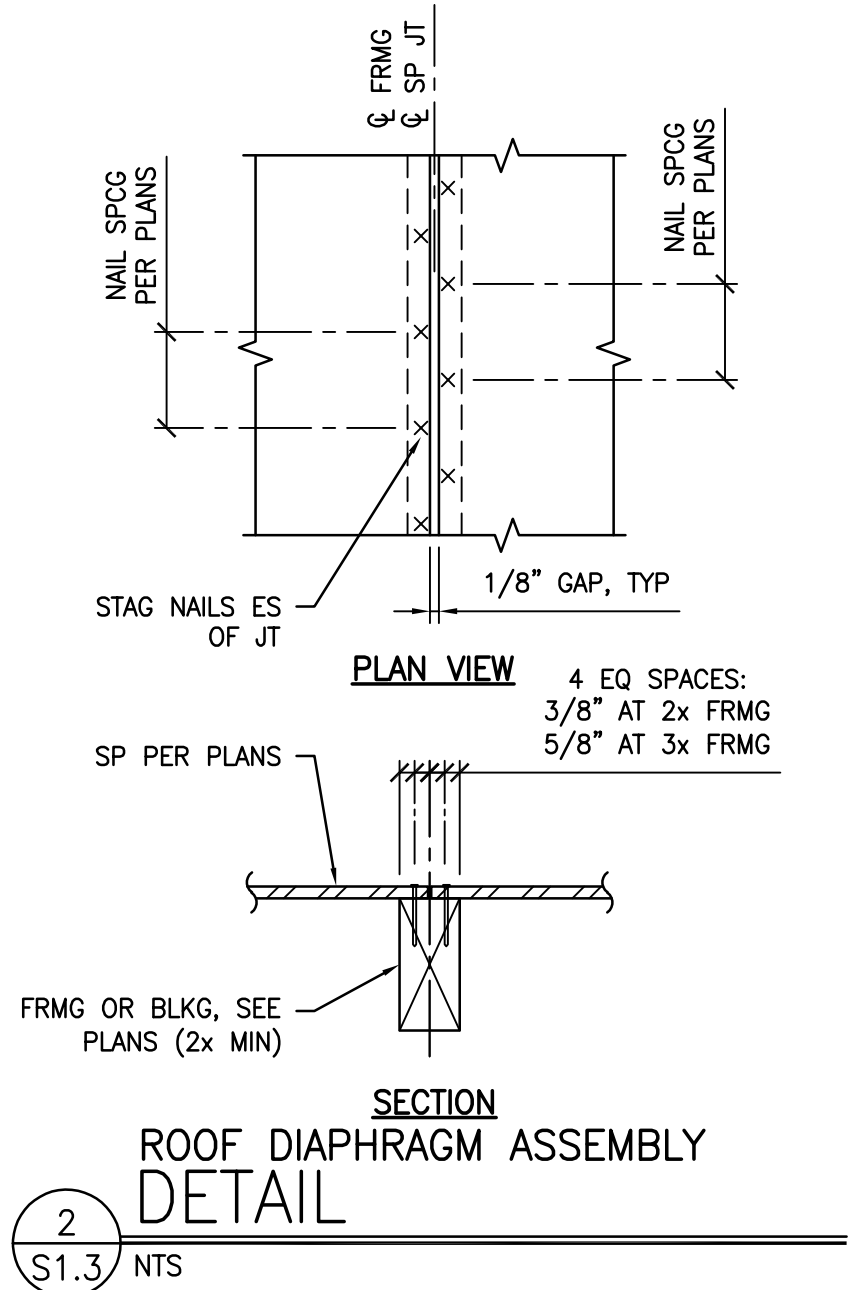
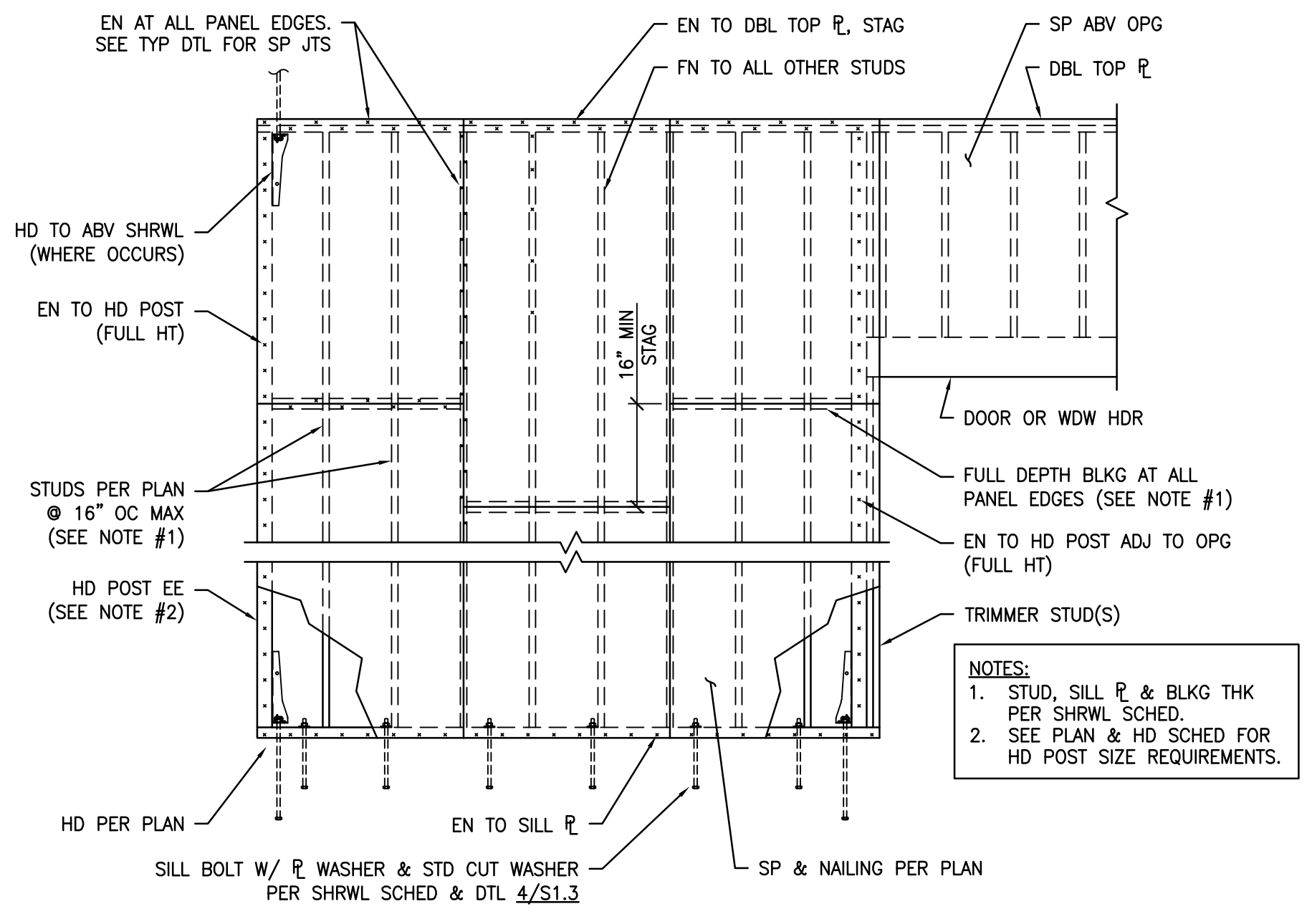
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**FOR PLAN REVIEW
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IF THIS DRAWING IS NOT 22"x34" IT HAS BEEN REDUCED. SCALE ACCORDINGLY.

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 REVISIONS
 REVISIONS

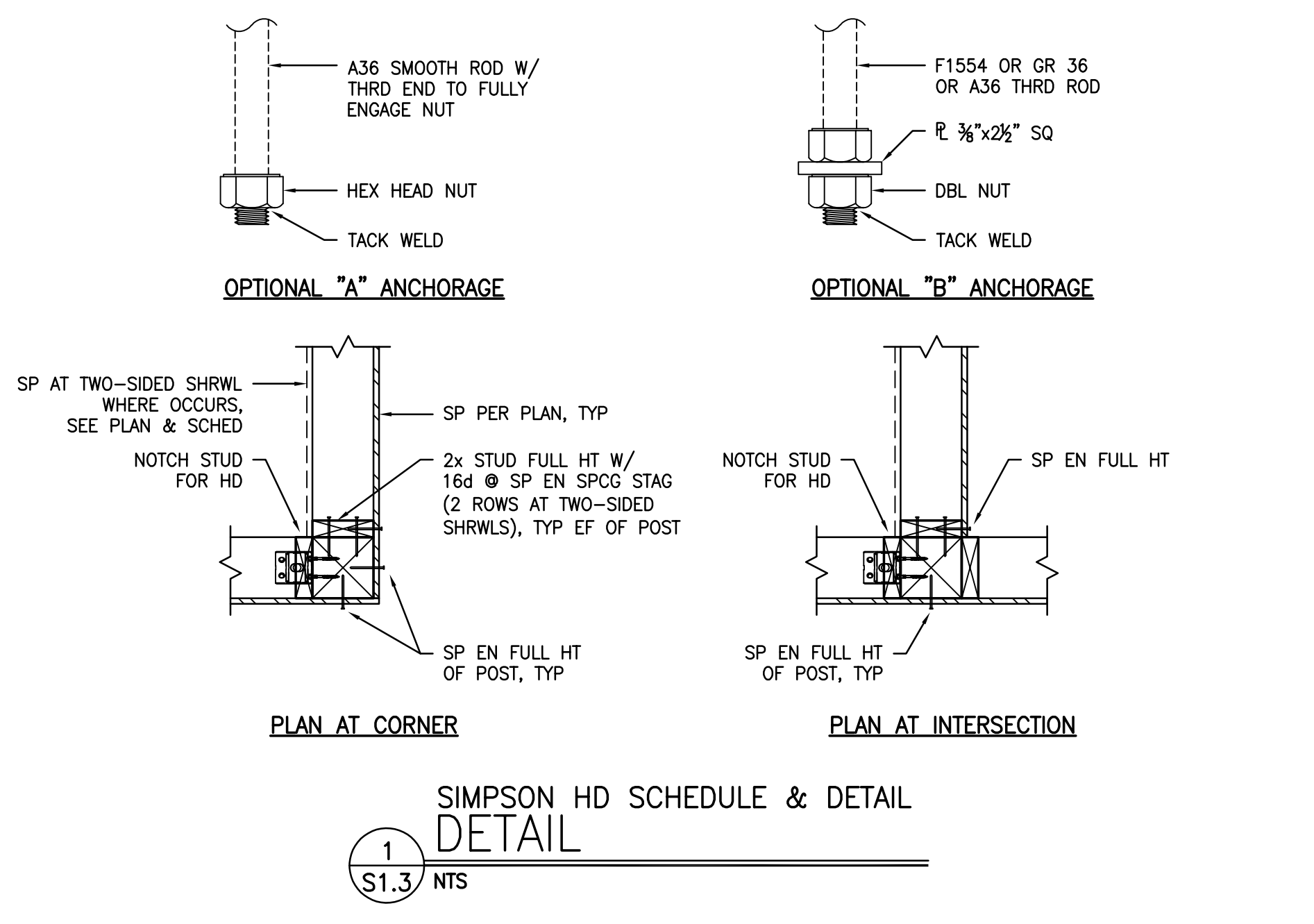
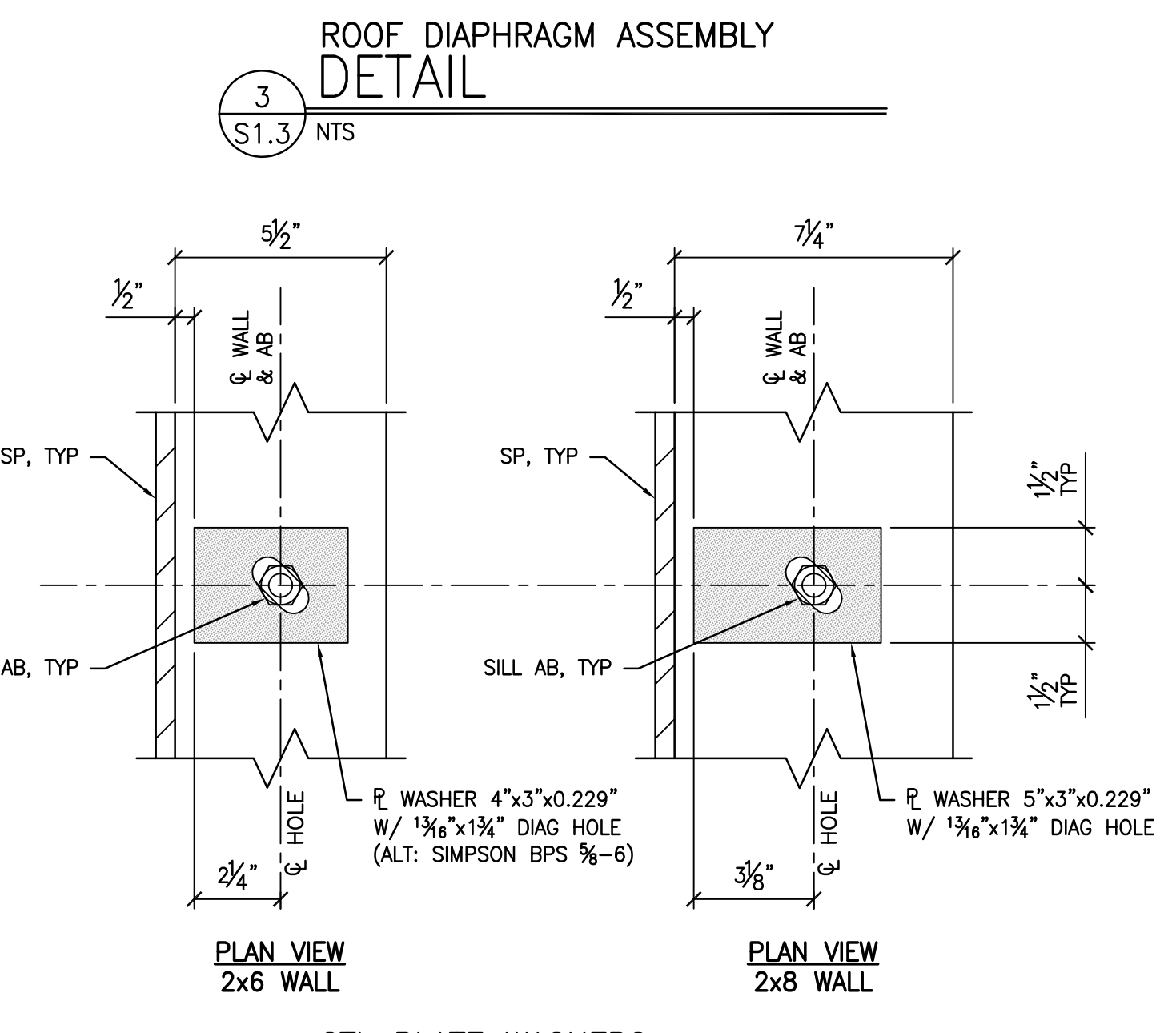
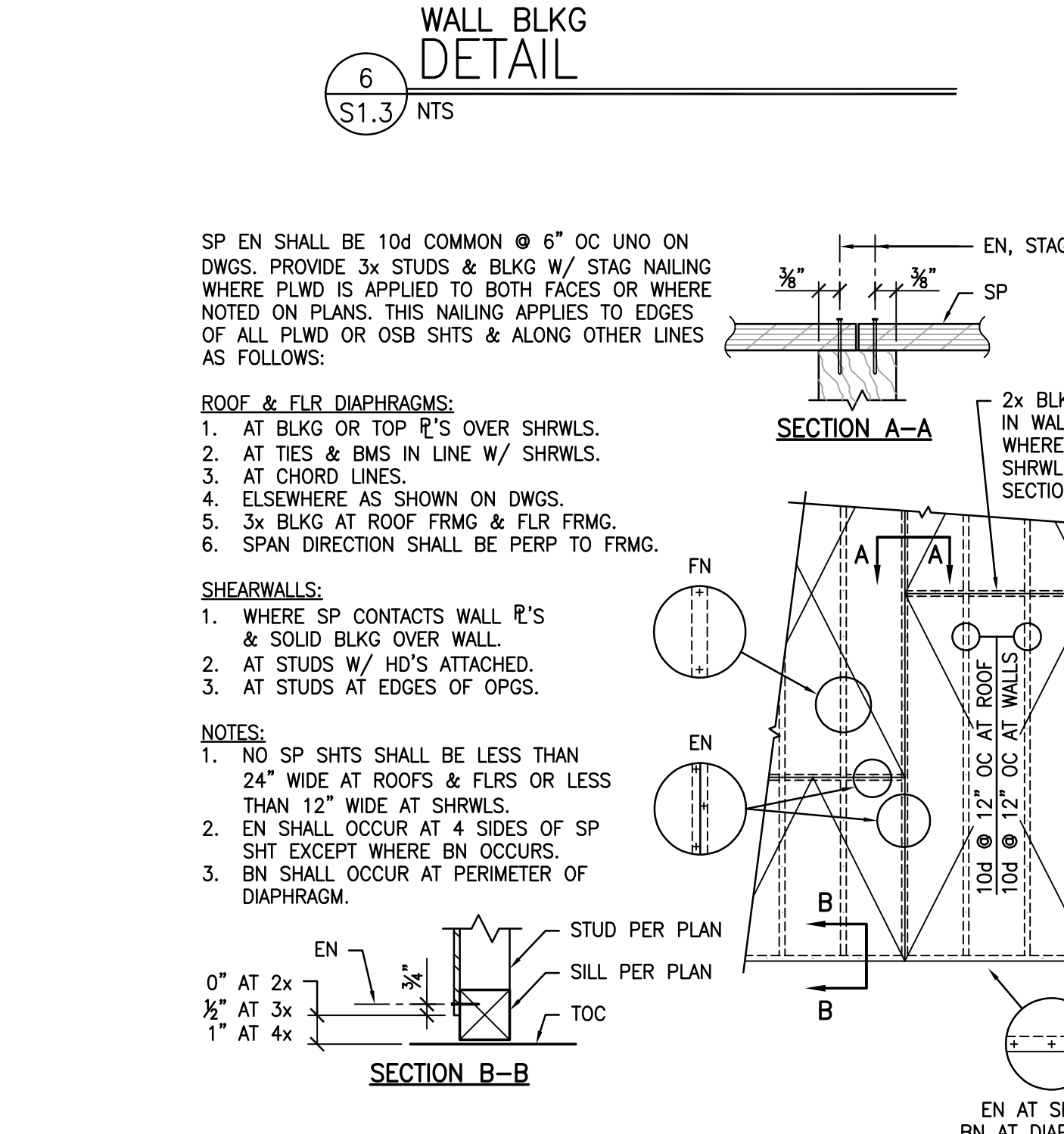
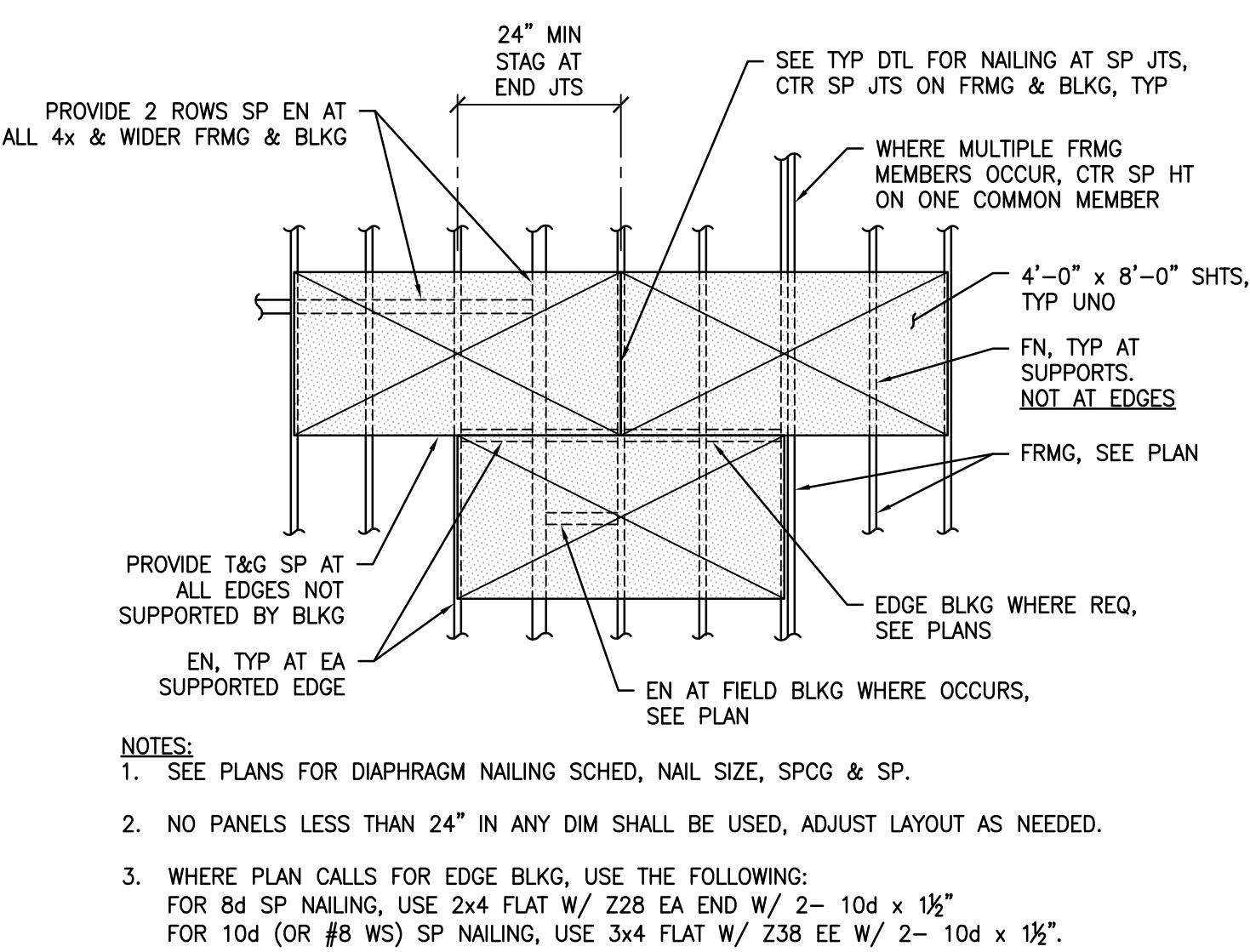
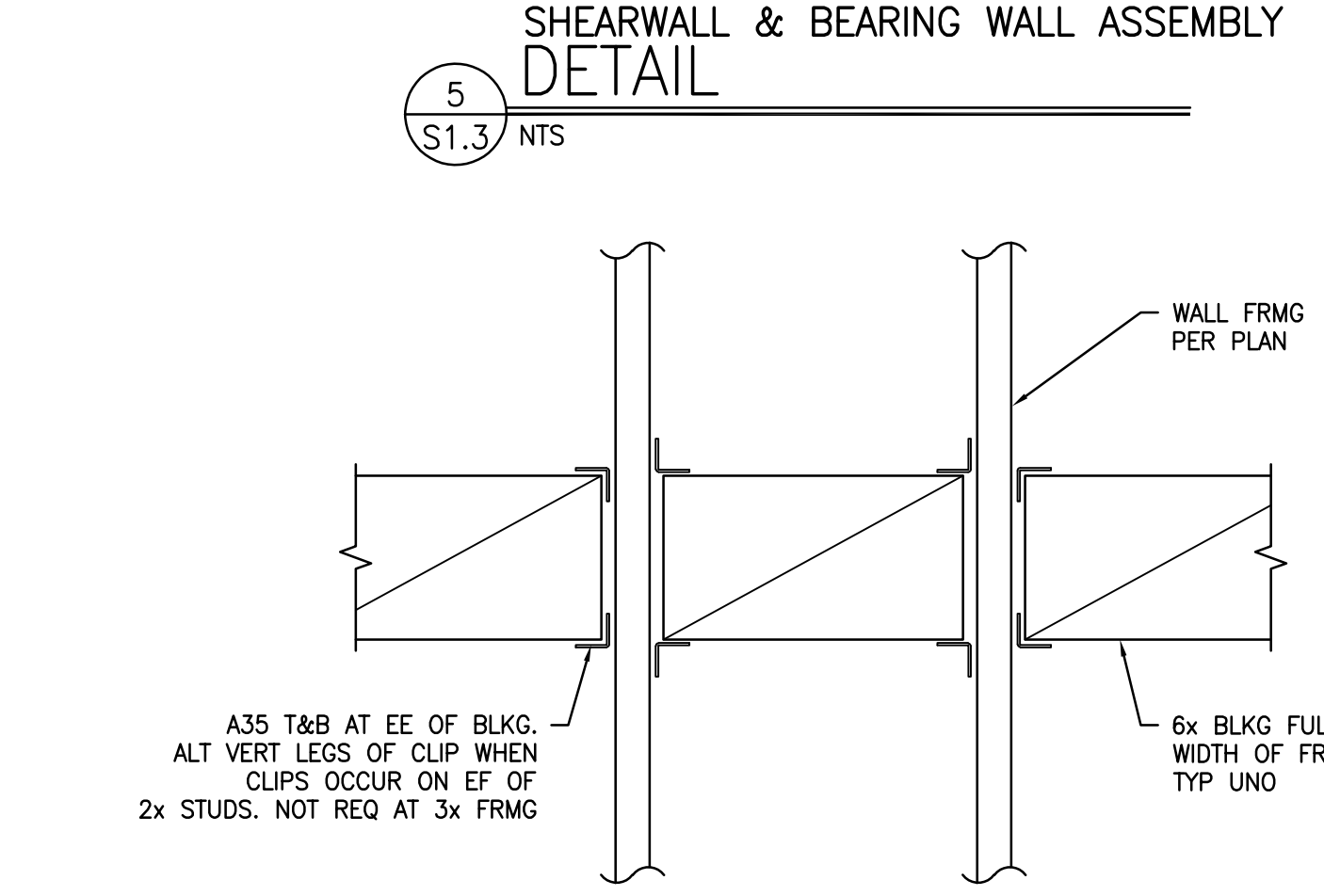
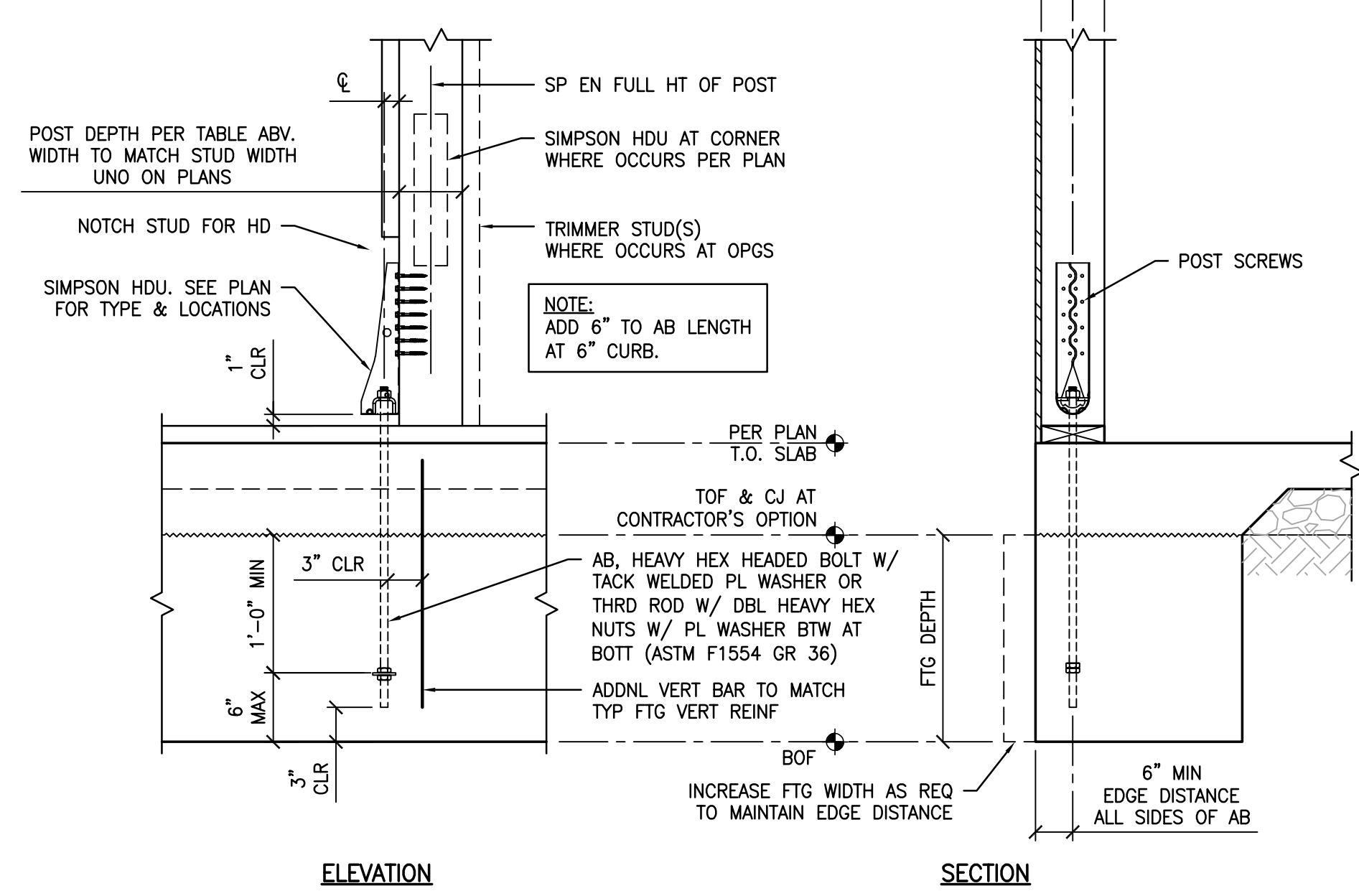
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 X23071_KPA-UCD_23071.dwg



HOLDOWN MARK	HOLDOWN	AB	POST SCREWS QUANTITY *	POST DEPTH UNO **	℄
2	HDU2-SDS2.5	5/8"	6	4x	1 5/16"
22	DTT2Z	1/2"	6	2- 2x	13/16"
4	HDU4-SDS2.5	5/8"	10	4x	1 5/16"
5	HDU5-SDS2.5	5/8"	14	4x	1 5/16"
8	HDU8-SDS2.5	7/8"	20	6x	1 3/8"
11	HDU11-SDS2.5	1"	30	6x	1 3/8"
14	HDU14-SDS2.5	1"	36	6x	1 9/16"

* "SIMPSON" SDS $\frac{1}{4}$ x2 $\frac{1}{2}$ WOOD SCREWS, TYP
 ** PROVIDE HD POST IF POST OR KING STUD IS NOT ALREADY INDICATED IN DWGS. STITCH 2x'S TOGETHER W/ MIN 16d @ 6" OC STAGGERED.

NOTES:
 1. HD ANCHOR MUST BE SECURED IN PLACE PRIOR TO FND INSPECTION.
 2. WHEN HD & POST ARE INDICATED PER PLAN AT OPG JAMBS, THE POST SHALL REPLACE THE KING STUDS REQ IN WALL OPG FRMG DTL.



STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATING & MAINTENANCE
 PLAN CHECK REVIEW CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE UNDERGONE THE PLAN CHECK PROCESS.

CHARPERRON PLAN CHECK COMMITTEE

PRESSEY ASSOCIATES
 AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
 Tel 916-346-4280

REGISTERED ARCHITECT
 KEVIN W. PRESSEY
 No. C25741
 REN. 01/31/23
 STATE OF CALIFORNIA

CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190 N
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 (916) 920-2020 WWW.CYSENG.COM
 CYS Job No. 23071

REGISTERED PROFESSIONAL ENGINEER
 ANTHONY ERNEST BOGGS
 No. S20330
 STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
 DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE

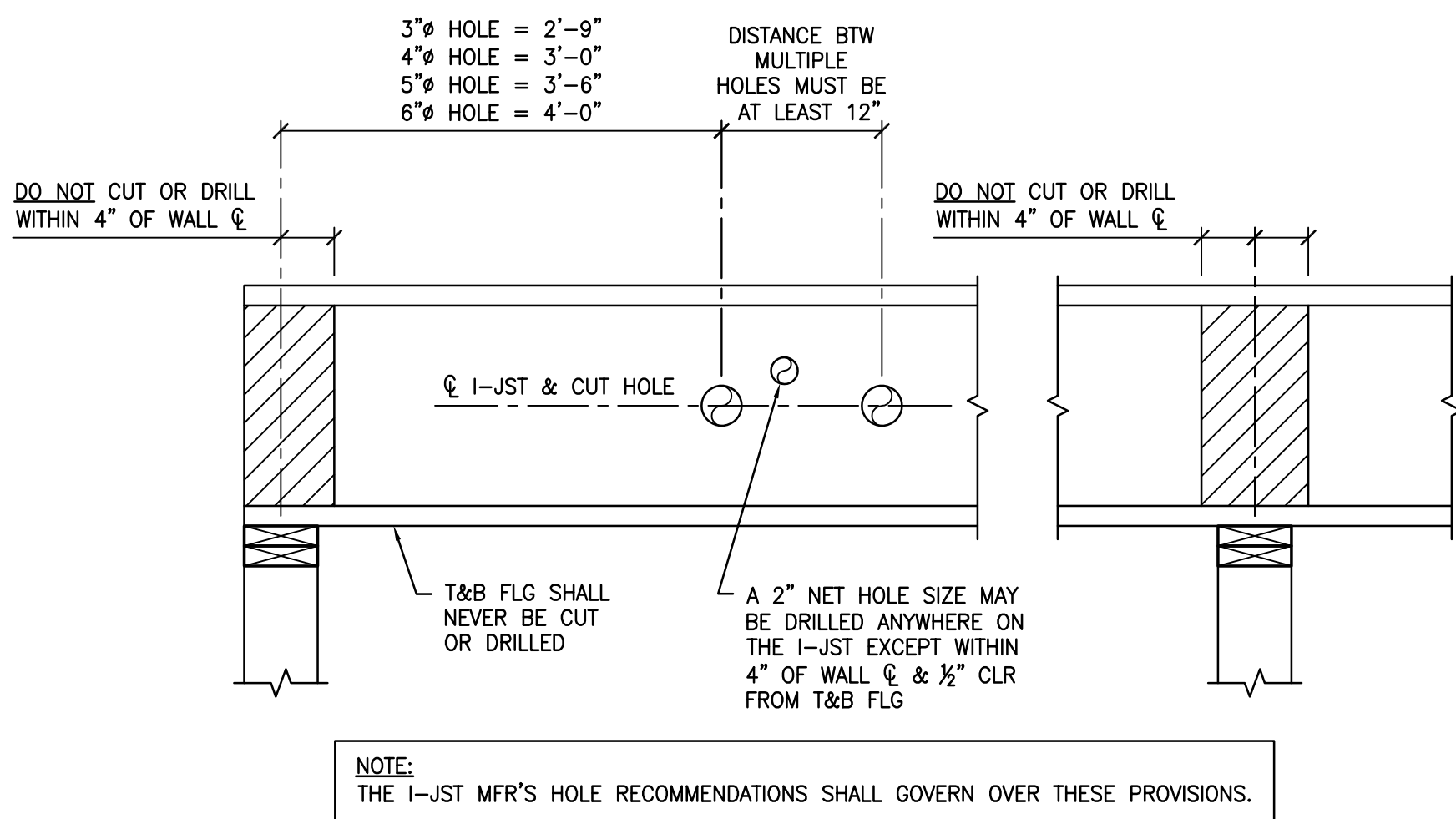
COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

DRAWING TITLE

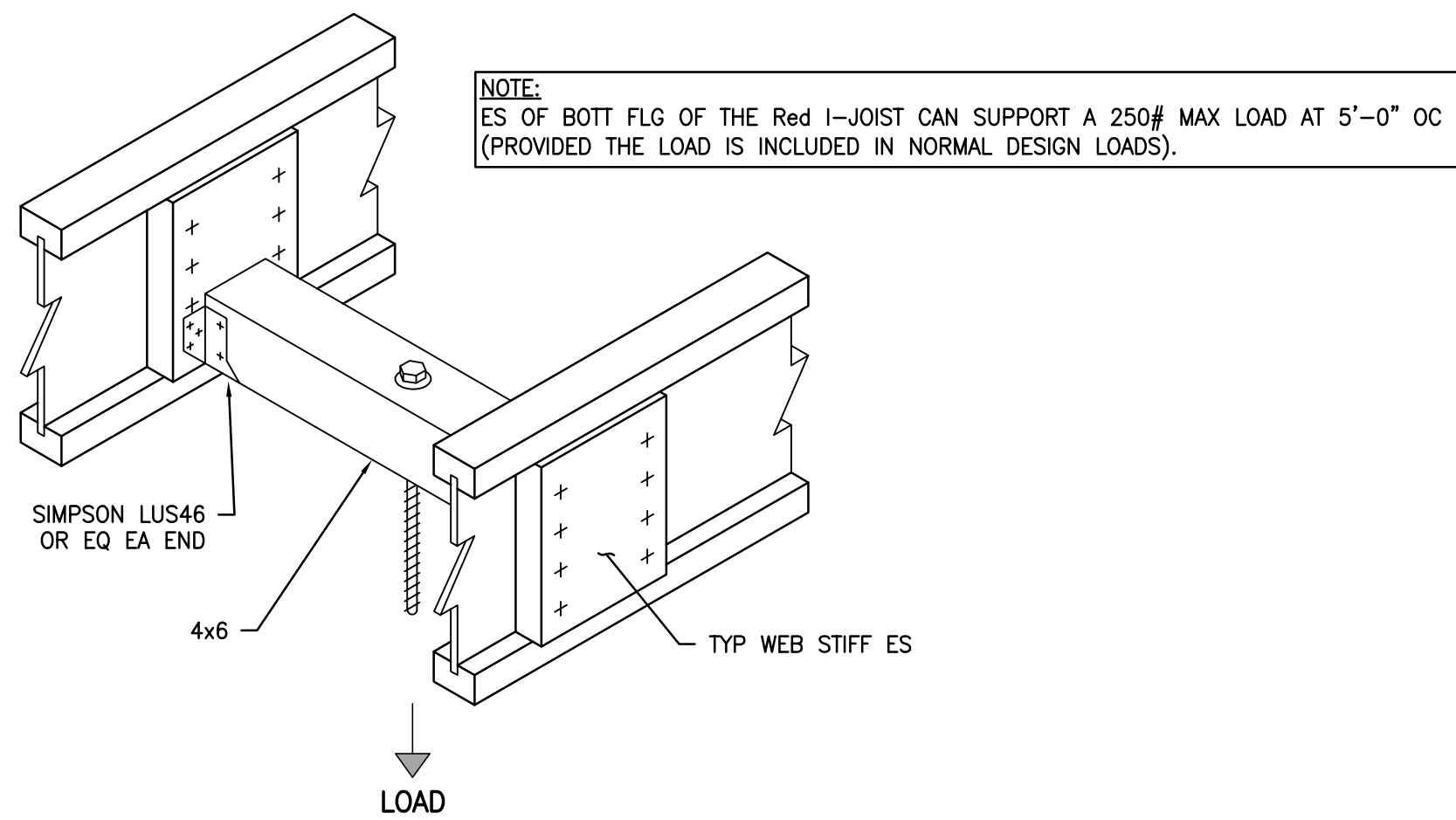
TYPICAL DETAILS - WOOD

PROJECT MGR ##	PROJECT NO. 23025	DRAWING NO. S1.3
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DESIGNED BY AER	SCALE MTC	REV.
DATE D 22 x 34	DATE JANUARY 08, 2024	SHEET OF 8

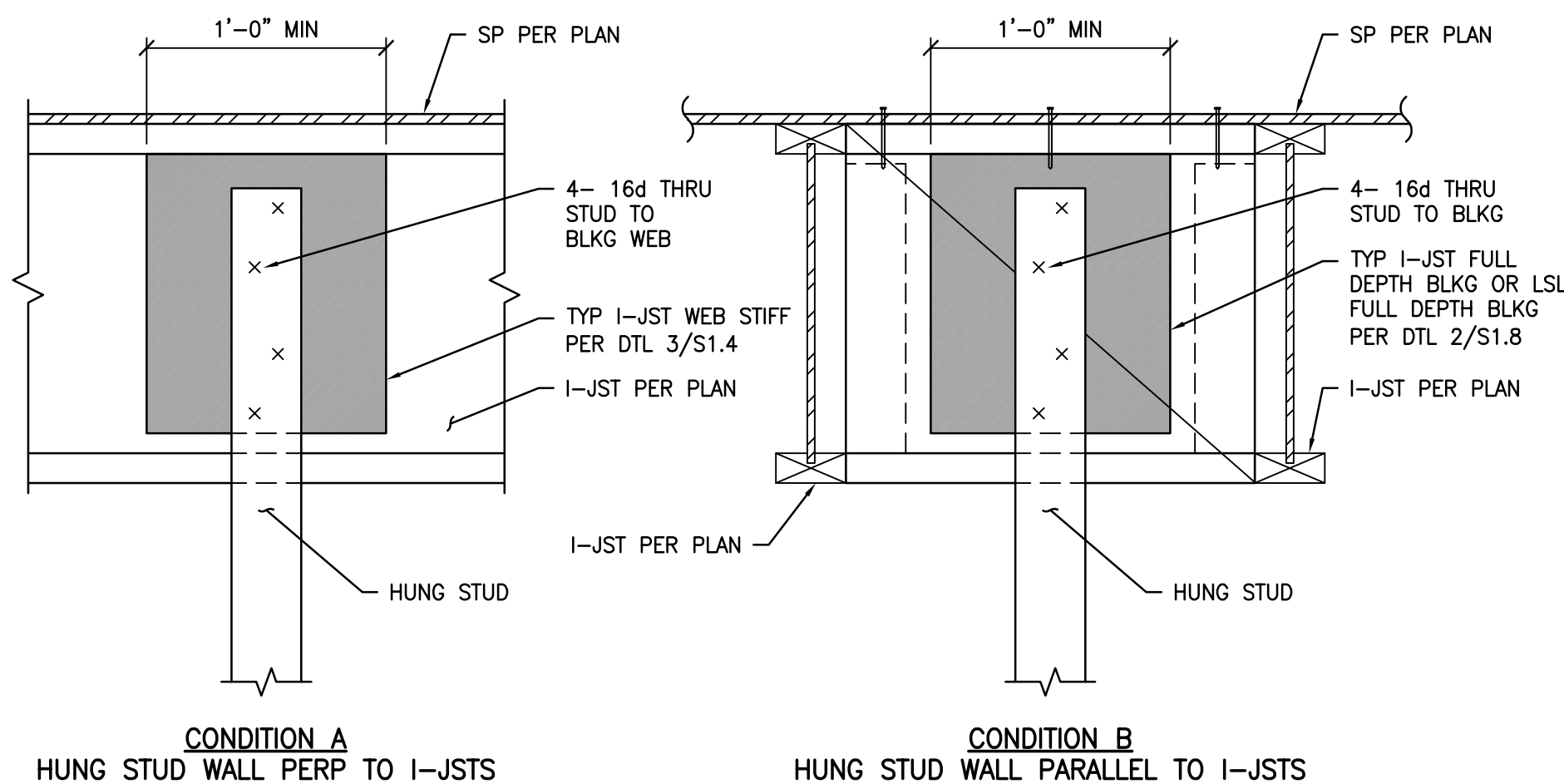
**FOR PLAN REVIEW
 NOT FOR CONSTRUCTION**



5 I-JOIST CUT/DRILLED HOLE REQUIREMENTS DETAIL
S1.4 NTS



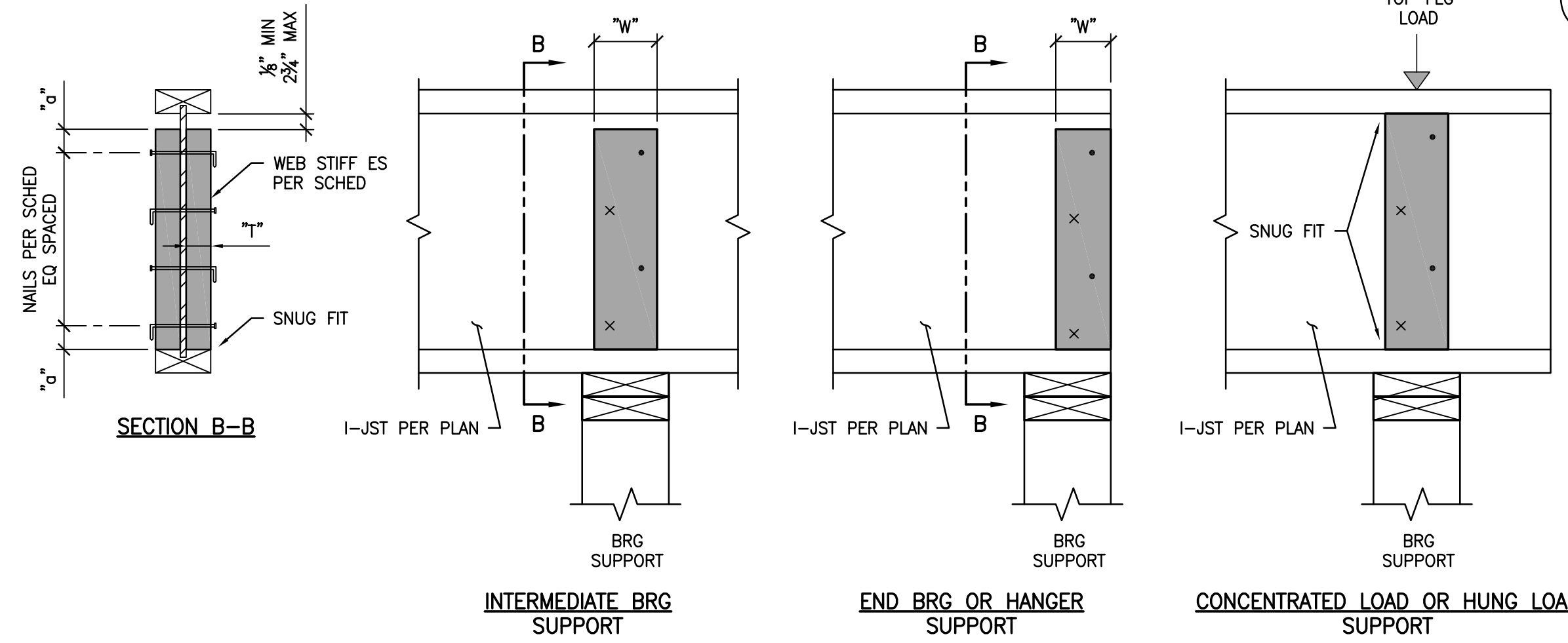
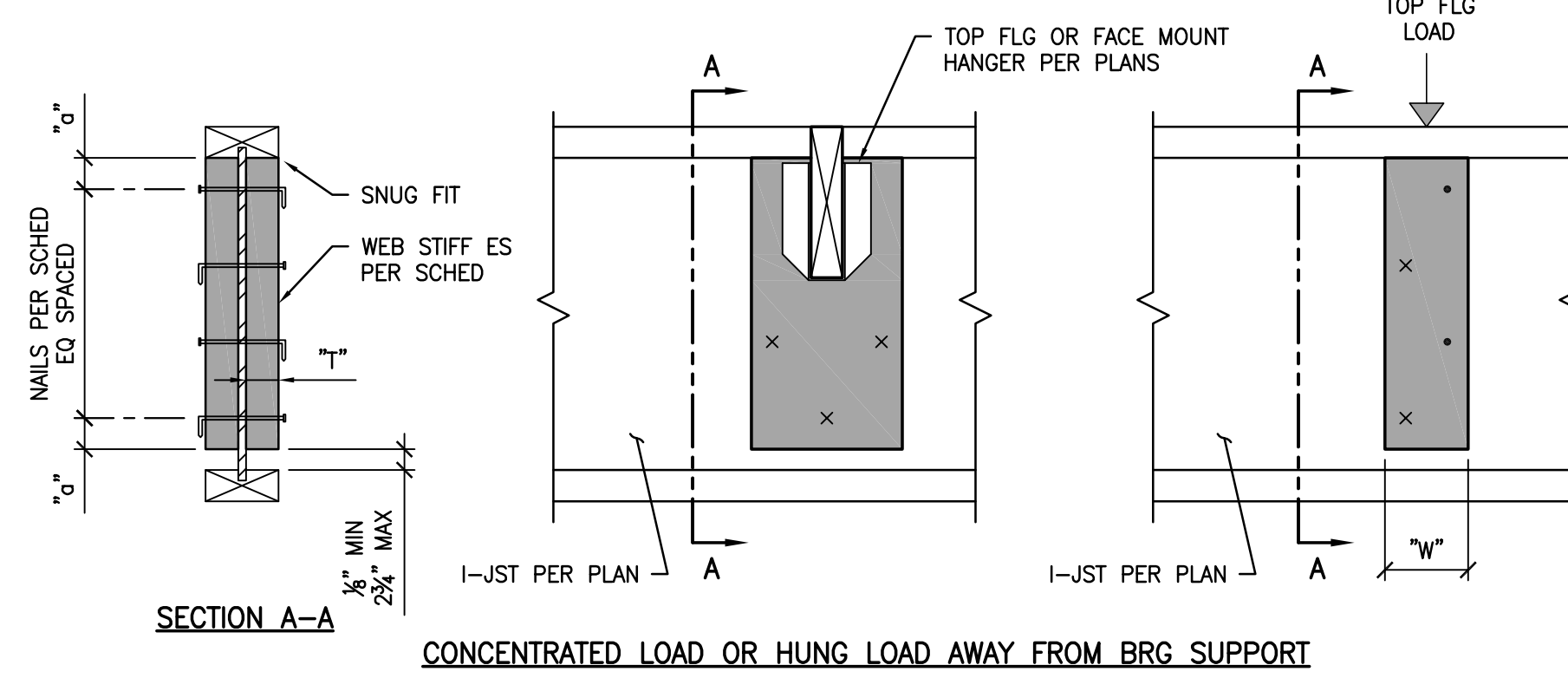
6 I-JOIST SUPPORT DETAIL
S1.4 NTS



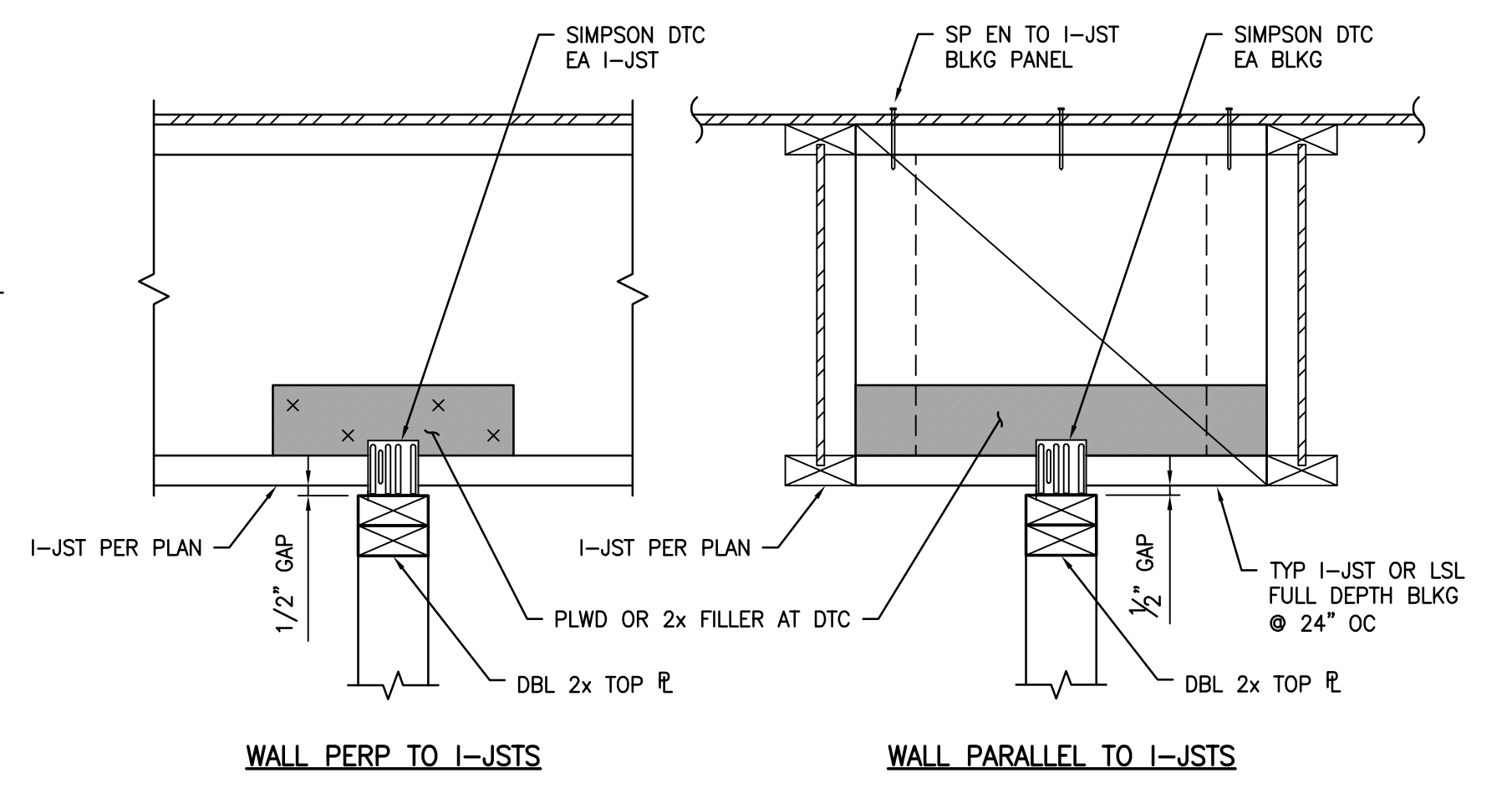
7 HUNG STUD CONN TO STRUCTURE DETAIL
S1.4 NTS

WEB STIFFENER SIZE & NAILING SCHEDULE				
JOIST SERIES	MIN STIFFENER "T" x "W"	MATERIAL	EDGE DIM "a"	JOIST DEPTH
Red-165	7/8" x 2 1/2"	SHTHG (PS1 OR PS2) W/ FACE GRAIN VERTICAL	1"	8- 8d
Red-190	2x4	CONSTRUCTION GRADE OR BETTER LUMBER	1 1/2"	5- 16d
Red-190H	1 1/2" x 3 1/2"	LSL OR LVL	1"	10- 16d

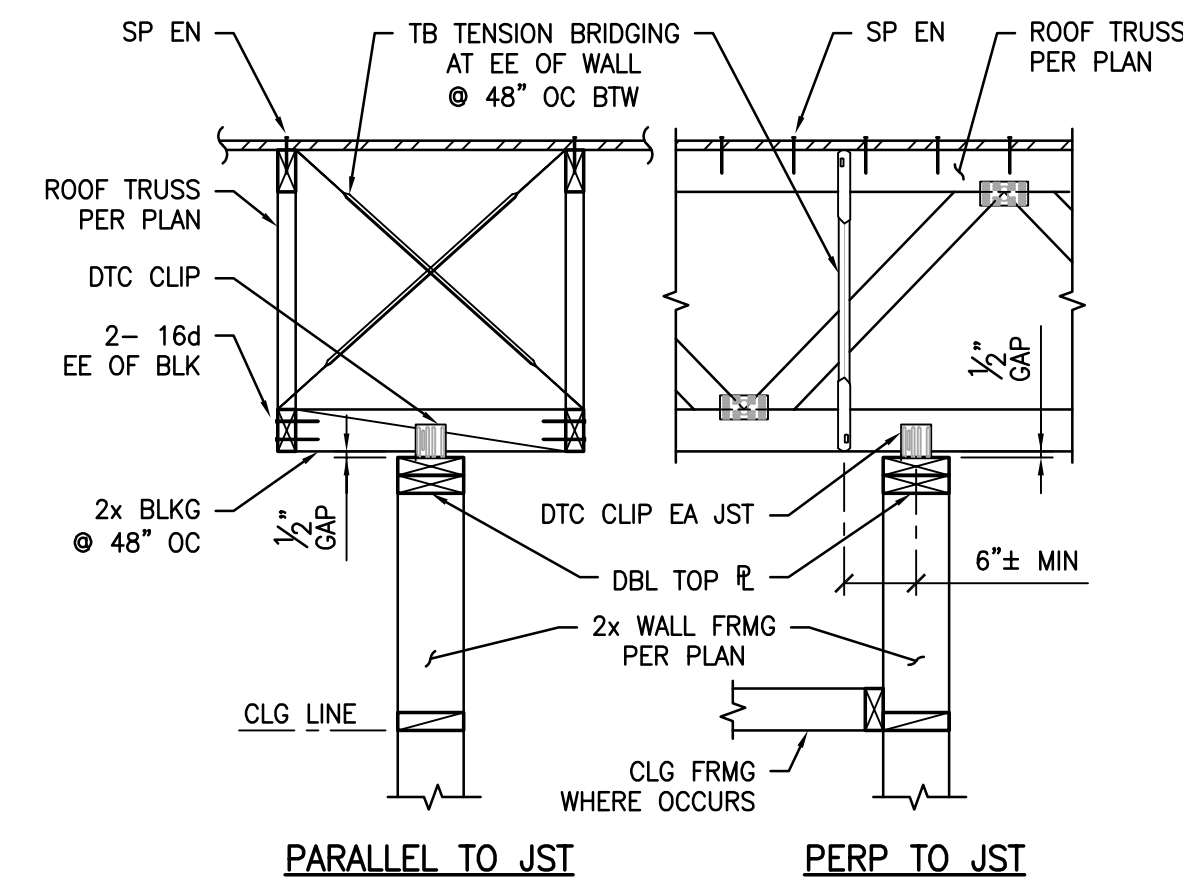
- NOTES:
1. WEB STIFFENERS REQ ES OF I-JSTS AT ALL BRG PTS & CONCENTRATED PT LOADS.
 2. WEB STIFFENERS SHALL REMAIN VERTICAL AT SLOPED I-JSTS (CONDITION NOT SHOWN).
 3. CLINCH NAILS PERP TO FACE GRAIN AS REQ.
 4. WEB STIFFENER MIN THK SHALL BE PER ICC-ES ESR-2994.



3 TYP I-JOIST WEB STIFF & NAILING DETAIL
S1.4 NTS



4 T.O. FULL HT NON-BRG WALL AT I-JOIST FRMG DETAIL
S1.4 NTS

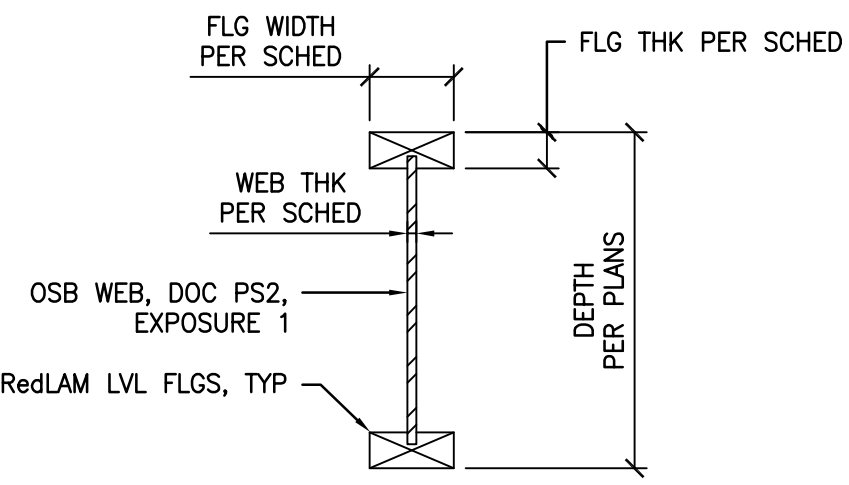


NOTE: SEE NAILING SCHED & TYP NAILING DETAILS FOR NAILING REQUIREMENTS.

2 NON-BRG PARTITIONS AT TRUSSES DETAIL
S1.4 NTS

MIN SECTION PROPERTIES			
MEMBER	FLG THK (IN)	FLG WIDTH (IN)	WEB THK (IN)
Red-165	1 1/2	2 1/2	7/16
Red-190	1 1/2	3 1/2	7/16
Red-190H	1 3/4	3 1/2	7/16
Red-190HS	2 1/2	3 1/2	1/2

- NOTES:
1. SEE ICC-ES ESR-2993 & ESR-2994 FOR ADDNL INFO.
 2. I-JSTS SHALL BE MANUFACTURED BY "RedBUILT" OR APPROVED EQ.



1 I-JOIST PROPERTIES SCHED
S1.4

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW		
OPERATING MAINTENANCE PLAN CHECK	CONSTRUCTION CERTIFICATION	THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.
CHAIRPERSON PLAN CHECK COMMITTEE		DATE

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
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Tel 916-346-4280

LICENSED ARCHITECT
KEVIN W. PRESSEY
No. C25741
REN. 01/31/23
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST BOGGS
No. S20330
STRUCTURAL
STATE OF CALIFORNIA

CYS STRUCTURAL ENGINEERS, INC.

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(916) 920-2020 WWW.CYSENG.COM
CYS Job No. 23071

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COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

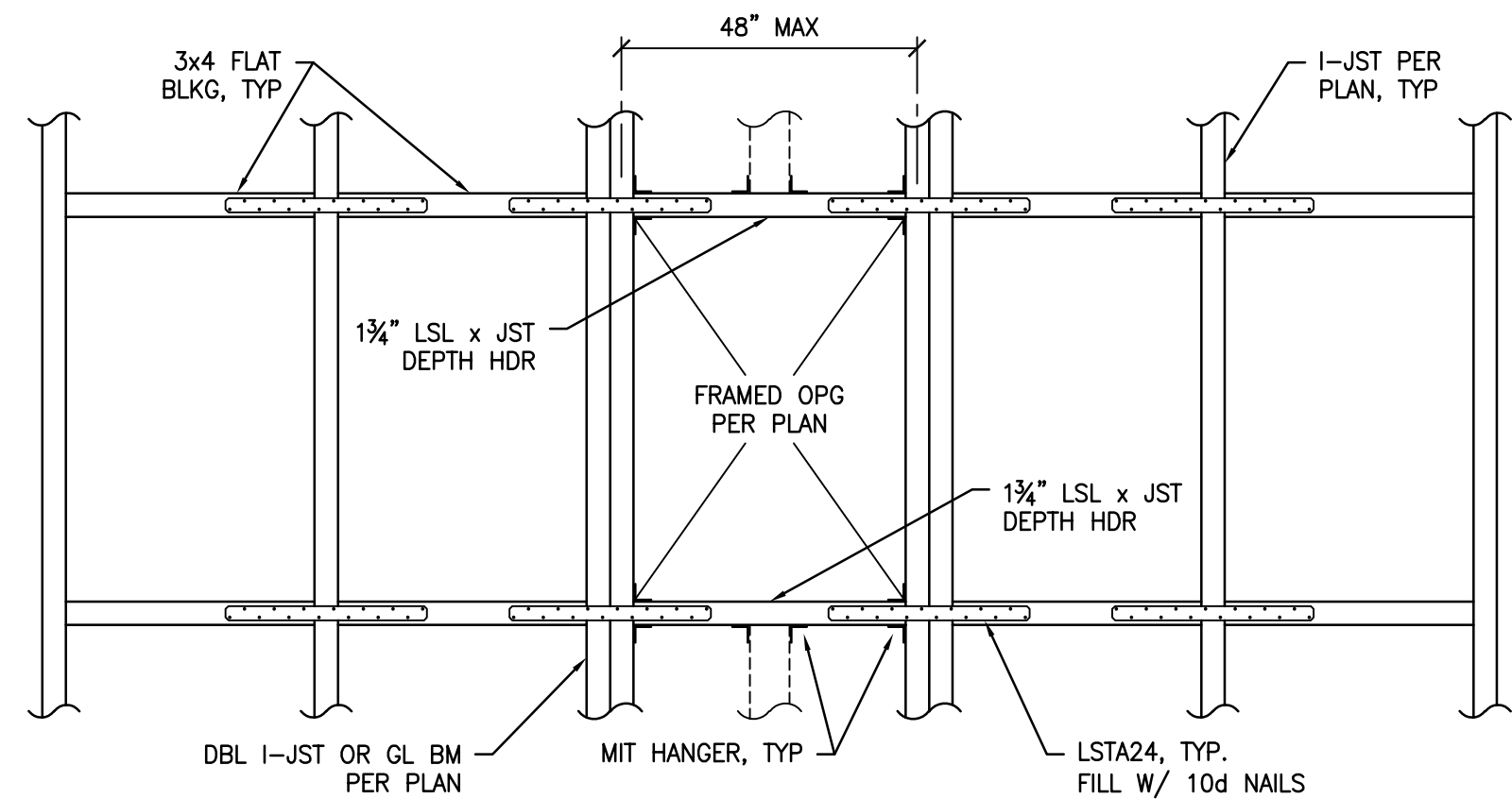
DRAWING TITLE

TYPICAL DETAILS - I-JOISTS

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DRAWN BY MTC	DATE JANUARY 08, 2024	SHEET NO. 8
DATE D 22 x 34	SCALE AS SHOWN	FILE NUMBER XZ3071_KPA-UCD_22x34.dwg

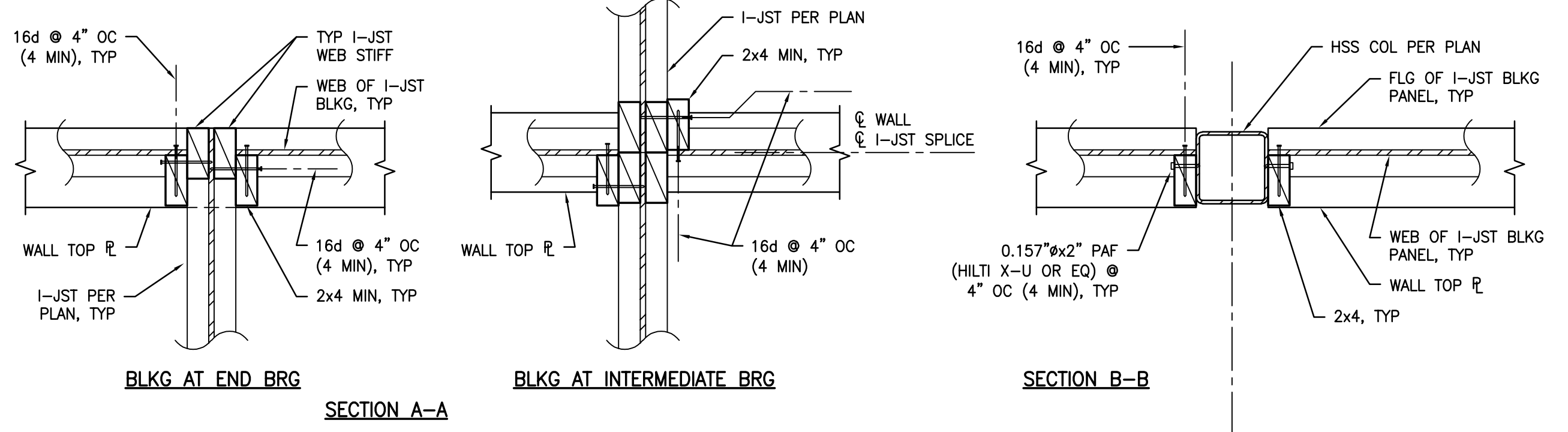
**FOR PLAN REVIEW
NOT FOR CONSTRUCTION**

FILE NUMBER: XZ3071_KPA-UCD_22x34.dwg



NOTE:
PROVIDE SP EN TO ALL MEMBERS IN LINE W/ BOUNDARIES OF OPG.

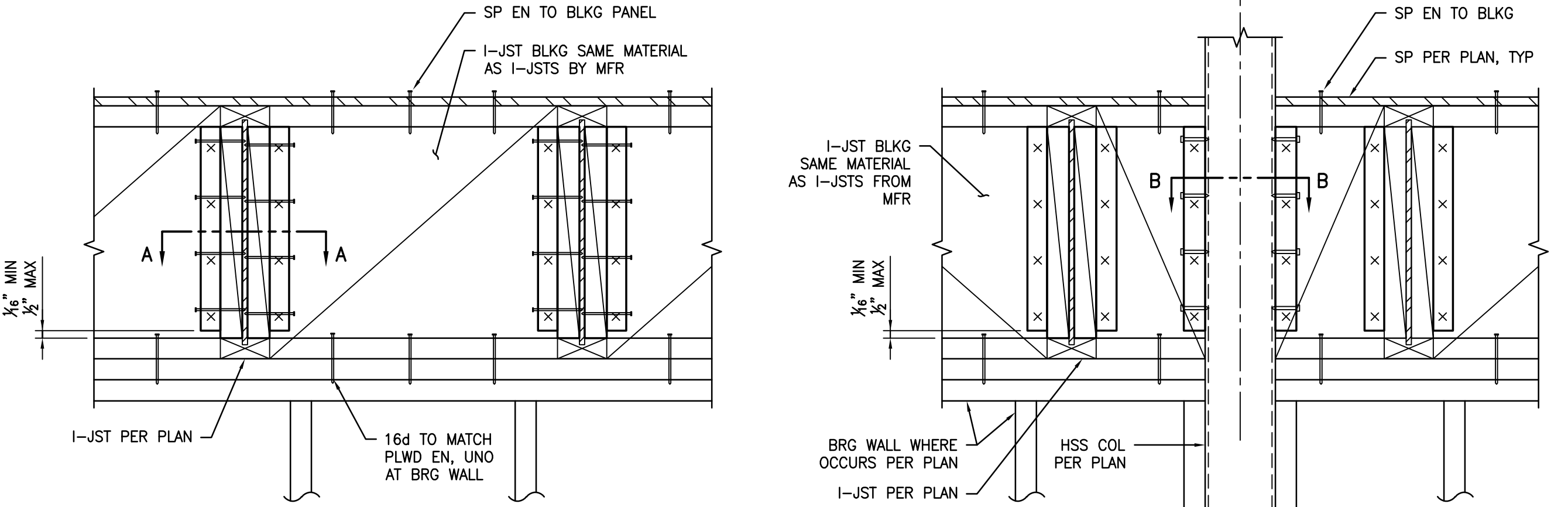
4
S1.5 NTS
I-JOIST FRAMED OPG
DETAIL



BLKG AT END BRG

BLKG AT INTERMEDIATE BRG

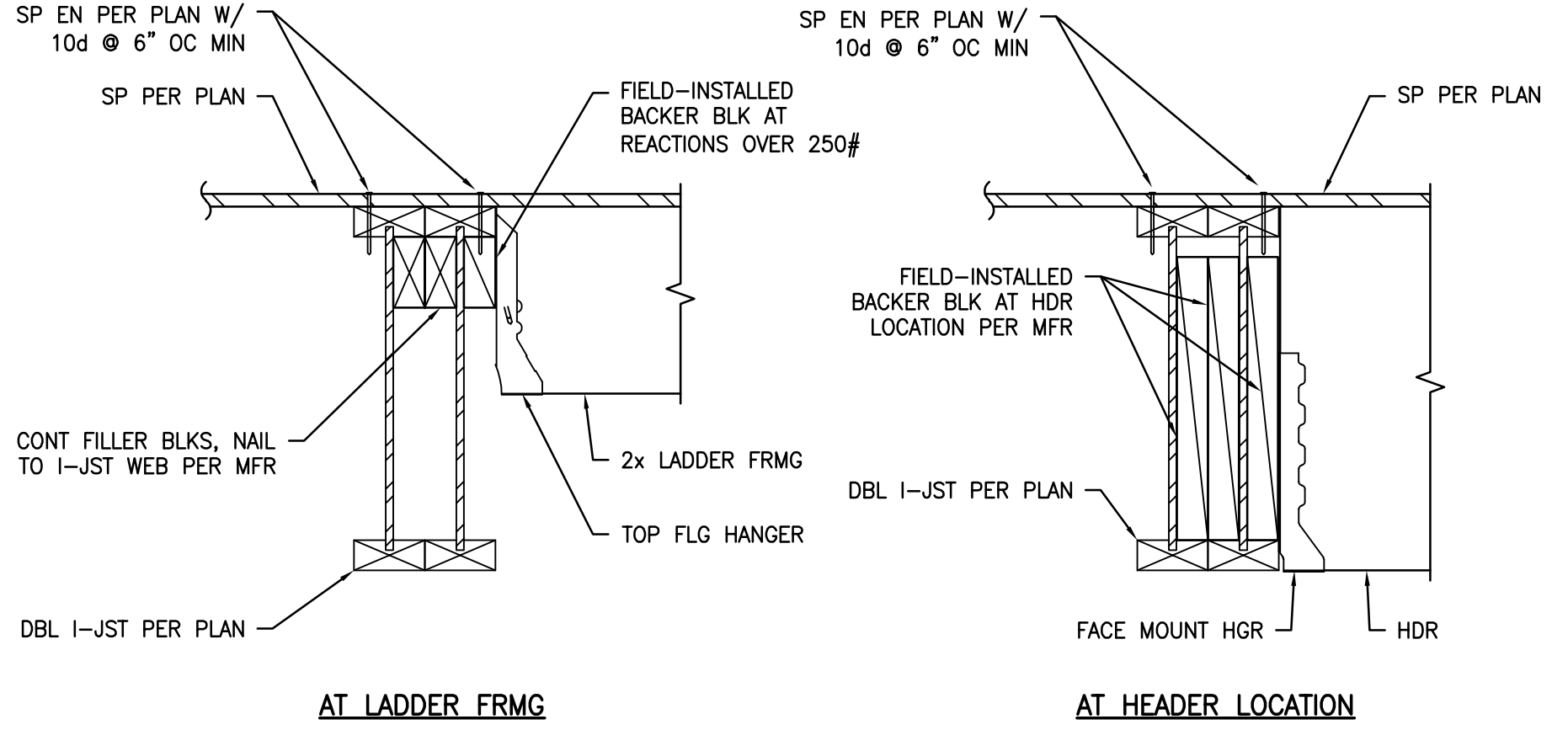
SECTION B-B



BLKG AT BRG WALL

BLKG AT HSS COL

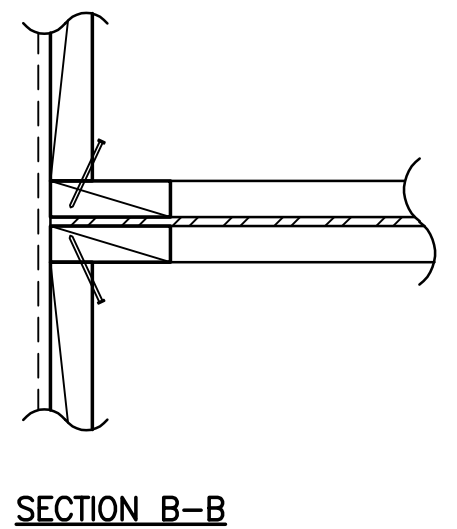
1
S1.5 NTS
I-JOIST BLKG PANEL
DETAIL



AT LADDER FRMG

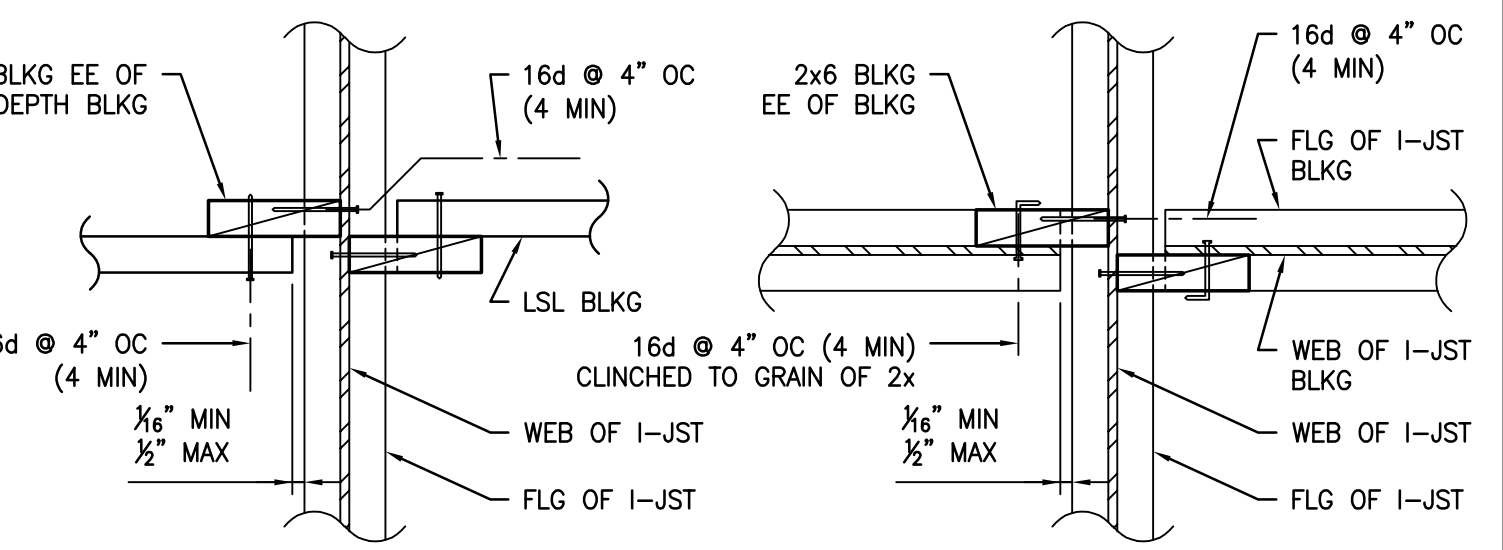
AT HEADER LOCATION

5
S1.5 NTS
SIDE LOADED DBL I-JOIST
DETAIL



SECTION B-B

NOTE:
PROVIDE 3/2" LSL BLKG FOR SILL NAILING LESS THAN 4" OC.

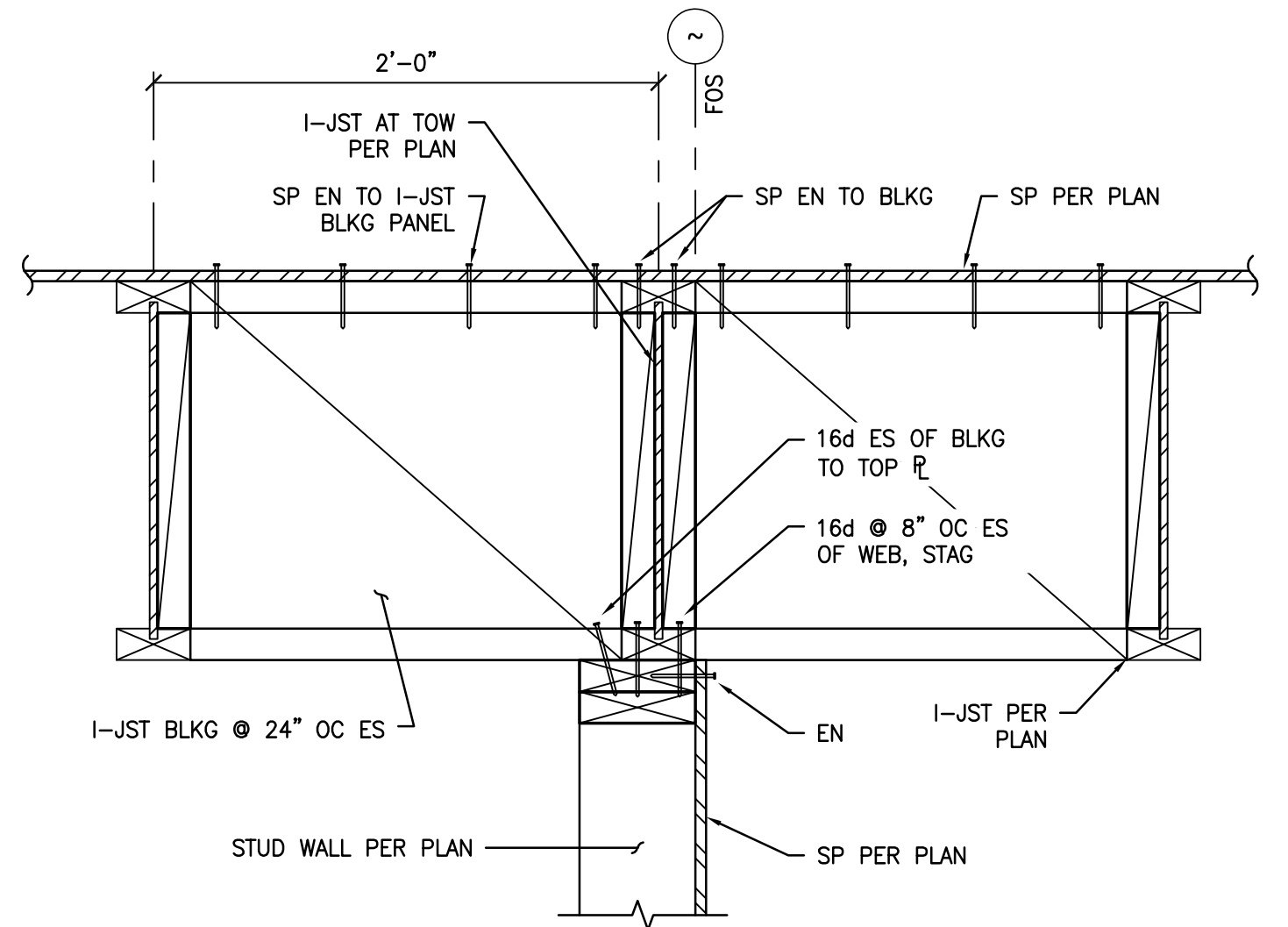


LSL BLKG

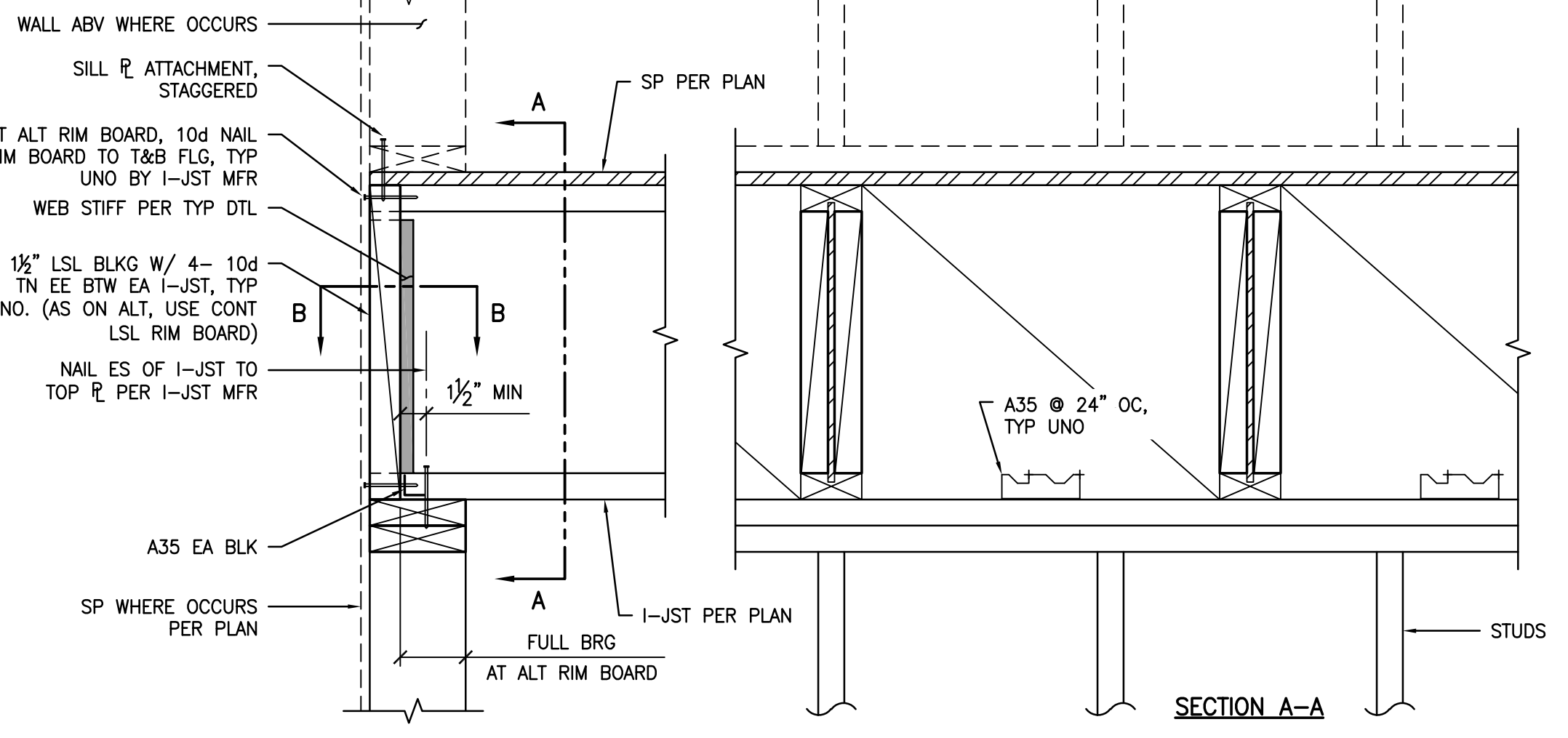
SECTION A-A

I-JOIST BLKG

2
S1.5 NTS
TYP I-JOIST OR LSL FULL DEPTH BLKG
DETAIL



6
S1.5 NTS
DETAIL



3
S1.5 NTS
TYP LSL BLKG AT BRG WALL
DETAIL

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW	
OPERATING & MAINTENANCE PLAN CHECK COMMITTEE CERTIFICATION THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.	
CHAIRPERSON PLAN CHECK COMMITTEE	DATE

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION
2015 H ST., THIRD FLR.
SACRAMENTO, CA 95811
Tel 916-346-4280

REGISTERED ARCHITECT
KEVIN W. PRESSEY
No. C25741
REN. 01/31/23
STATE OF CALIFORNIA

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190 N
SACRAMENTO, CA 95839
(916) 920-2020 WWW.CYSENG.COM
CYS Job No. 23071

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST FOGUS
No. S20330
STATE OF CALIFORNIA

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COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

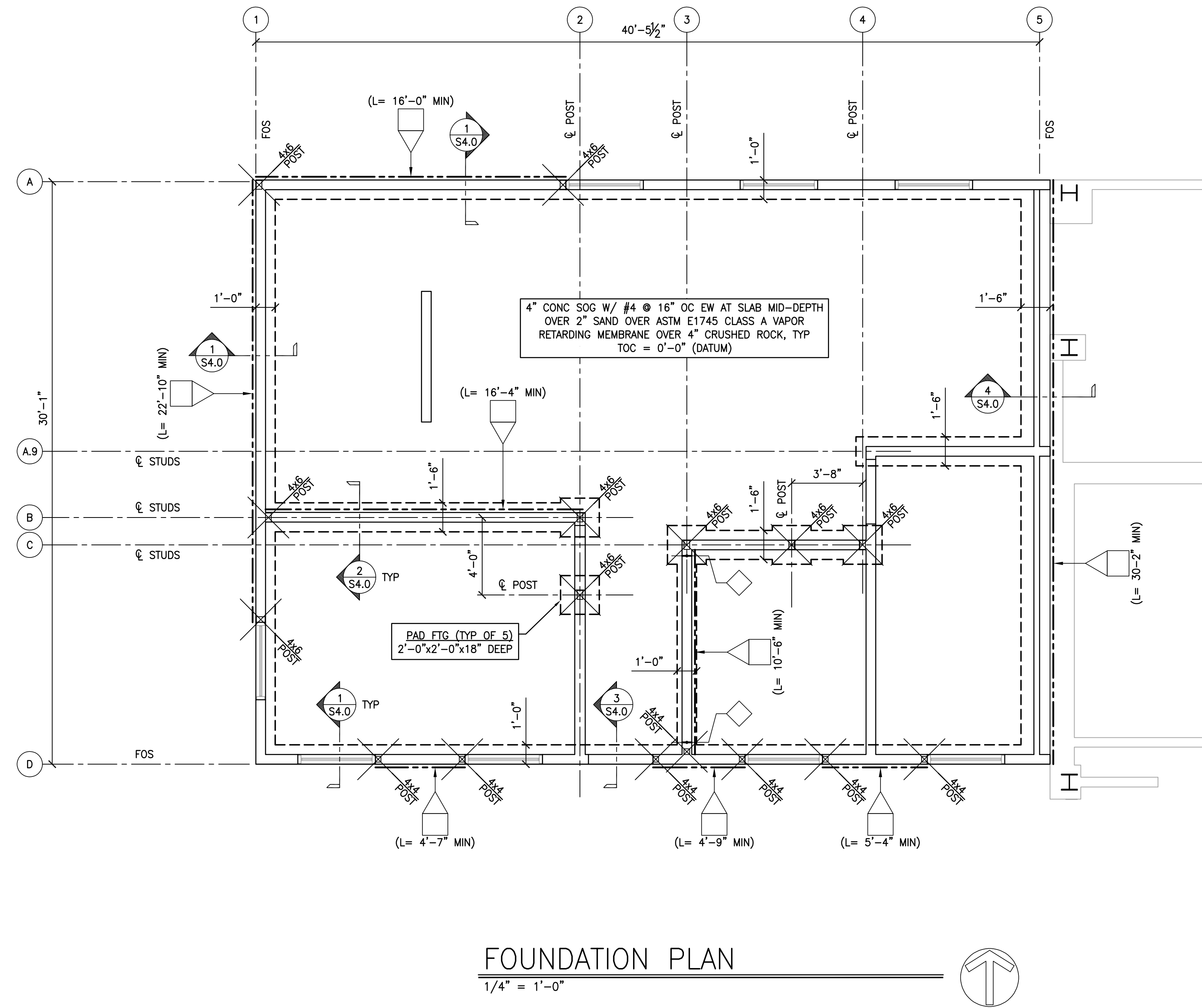
PROJECT TITLE
COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

DRAWING TITLE
TYPICAL DETAILS - I-JOISTS

PROJECT INFO		DRAWING INFO	
PROJECT MGR AER	PROJECT NO. 23025	DRAWING NO. S1.5	
DESIGNED BY AER	SCALE 3/8" = 1'-0"	ZONE D037	
DRAWN BY MTC	DATE JANUARY 08, 2024	SHEET 8	
DATE 1/22/24			

**FOR PLAN REVIEW
NOT FOR CONSTRUCTION**

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 REVISED: X23071_KPA-UCD_22x34.dwg
 REVISED: X23071_KPA-UCD_22x34.dwg



FOUNDATION PLAN
1/4" = 1'-0"

FOUNDATION NOTES

- SEE S0 SHEETS FOR GENERAL NOTES.
- SEE S1 SHEETS FOR TYP DETAILS.
- SEE CIVIL DWGS & SPECS FOR SUB-GRADE RECOMMENDATIONS.
- DIMS ARE TO FACE OF STUD OR CENTERLINE OF COLS/POST, UNO.
- SAD FOR DIMS, EXTENT & NATURE OF ALL WALLS.
- SAD FOR DIMS & LOCATIONS OF SLAB STEPS, SLOPES, FLR DRAINS, FLR SINKS, CURBS & SLAB EDGES.
- TOC SLAB ELEV = +0'-0" (DATUM ELEV).
- TOP OF FTG ELEV (TOF) = -0'-10", TYP UNO.
- SAD & OTHER CONSULTANTS DWGS FOR UTILITIES THAT WILL AFFECT FTGS & COMPLY W/ TYP DETAILS.
- FOR SLEEVES AT FTGS, SEE DTL (8) (S1.0)
- SEE ARCH PLANS FOR SLAB CONTROL JT LAYOUT WHERE CONC SLAB IS FINISHED FLOORING. PREFORMED PLASTIC STRIPS NOT PERMITTED IN THESE AREAS. SOG CJ LOCATIONS SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO PLACEMENT OF CONC PER DTL (2) (S1.1)
- EXTR CONC FLATWORK IS NOT SHOWN. SEE CIVIL & ARCH DWGS.
- 2x6 STUDS @ 16" OC AT INTR WALLS ON GRIDS A.9, B & C. ALL OTHER WALLS ARE 2x4 @ 16" OC.
- POSTS: 4x6 AT 6" WALLS, 4x4 AT 4" WALLS.
- ALL EXTR WALLS SHALL HAVE 1/2" PLWD.

FOUNDATION LEGEND

- INDICATES WOOD POST PER PLAN
- INDICATES WOOD STUD WALL
- INDICATES SHEARWALL LOCATION PER DTL (5) (S1.3)
- INDICATES HOLDOWN PER HOLDOWN DTL & SCHED (1) (S1.3)
- SHEARWALL MARK PER SHEARWALL SCHEDULE THIS SHT, (L= 1'-0" MIN)
- SHADING INDICATES CURB. (T.O. CURB ELEV = +0'-6") SEE CURB PLAN A/- FOR LOCATIONS & VERIFY EXTENTS W/ ARCH DWGS.

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATING & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
SACRAMENTO, CA 95811
Tel 916-346-4280

STATE OF CALIFORNIA
No. C25741
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SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CYS Job No. 23071

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST HOGS
No. S2030
STATE OF CALIFORNIA

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COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

DRAWING TITLE

FOUNDATION PLAN

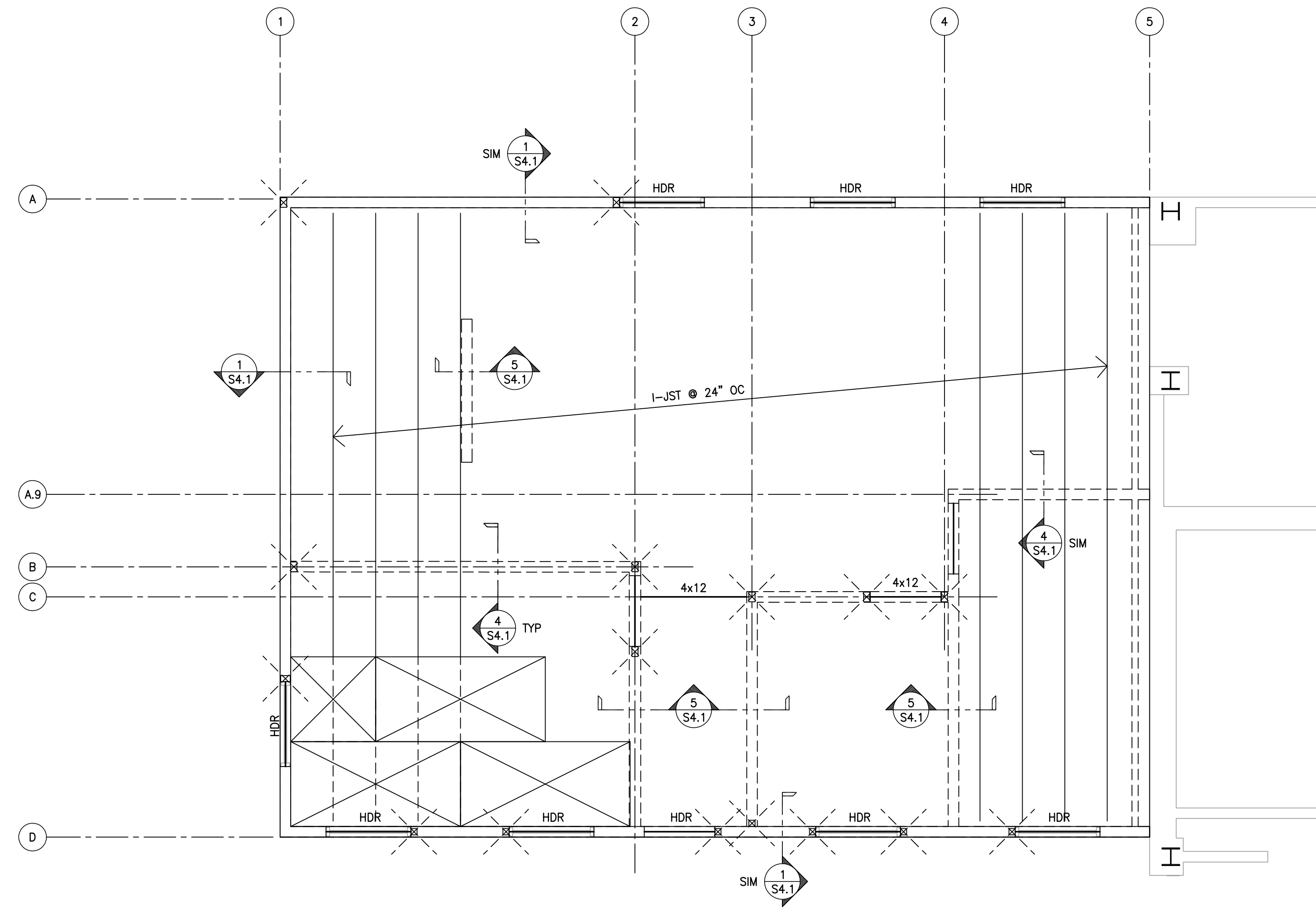
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CREATED BY AER	DATE 3788	ZONE D037
DESIGNED BY AER	SCALE	REV.
DRAWN BY MTC	DATE JANUARY 08, 2024	SHEET 8
DATE D 22 x 34	DATE	DATE

**FOR PLAN REVIEW
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CAD FILE NO: X23071_KPA-UCD_22x34.dwg

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 DRAWING NO: S2.1



ROOF FRAMING PLAN
1/4" = 1'-0"

ROOF FRAMING NOTES

- SEE S0 SHEETS FOR GENERAL NOTES.
- SEE S1 SHEETS FOR TYP DETAILS.

ROOF FRAMING LEGEND

 INDICATES WOOD POST BLW PER FOUNDATION PLAN

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATIONAL MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON, PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY & ASSOCIATES
AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
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STATE OF CALIFORNIA
LICENSED ARCHITECT
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STATE OF CALIFORNIA
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ARTHUR ERNEST HOGS
No. S2030

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CYS Job No. 23071

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616


REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

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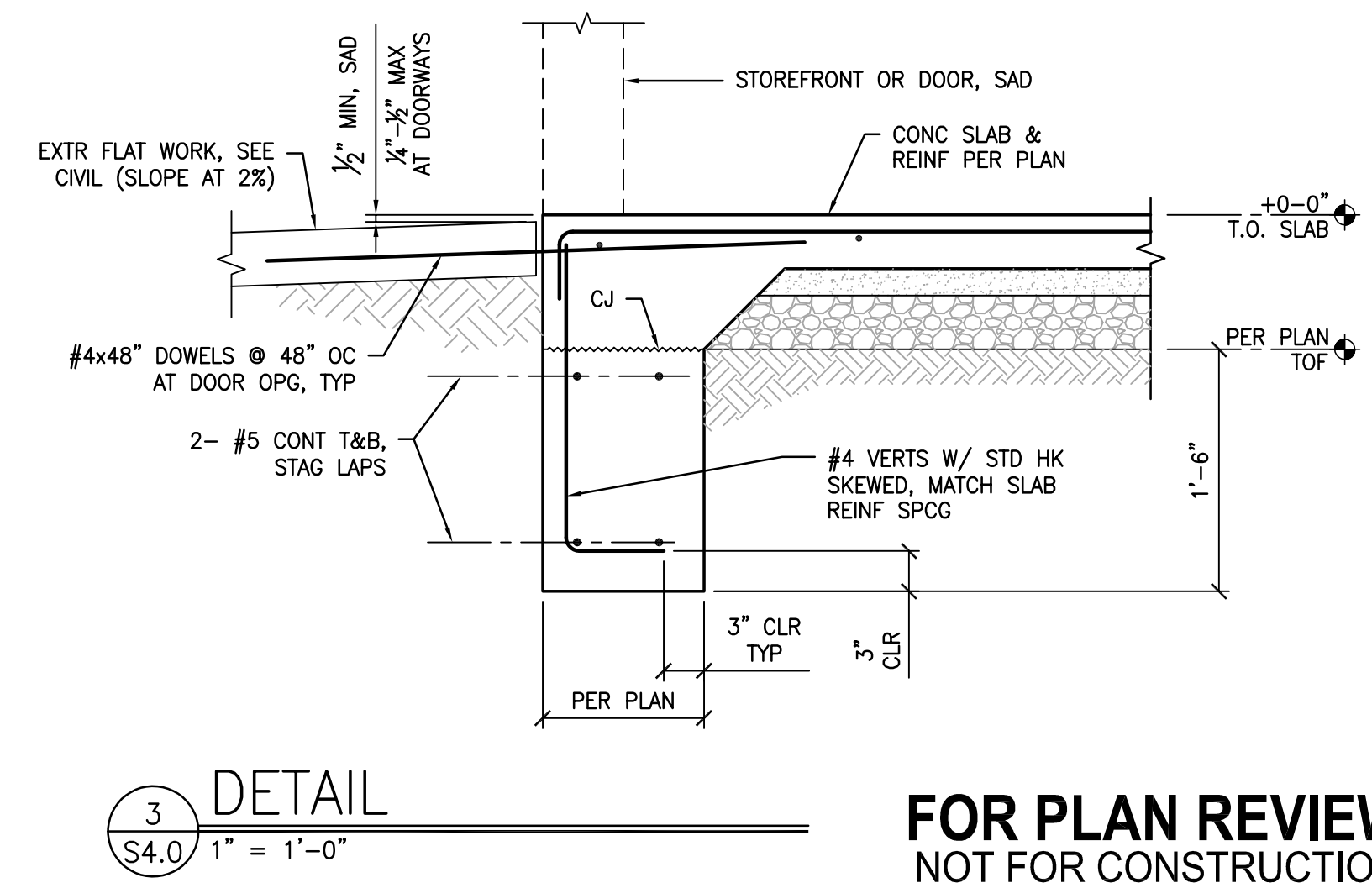
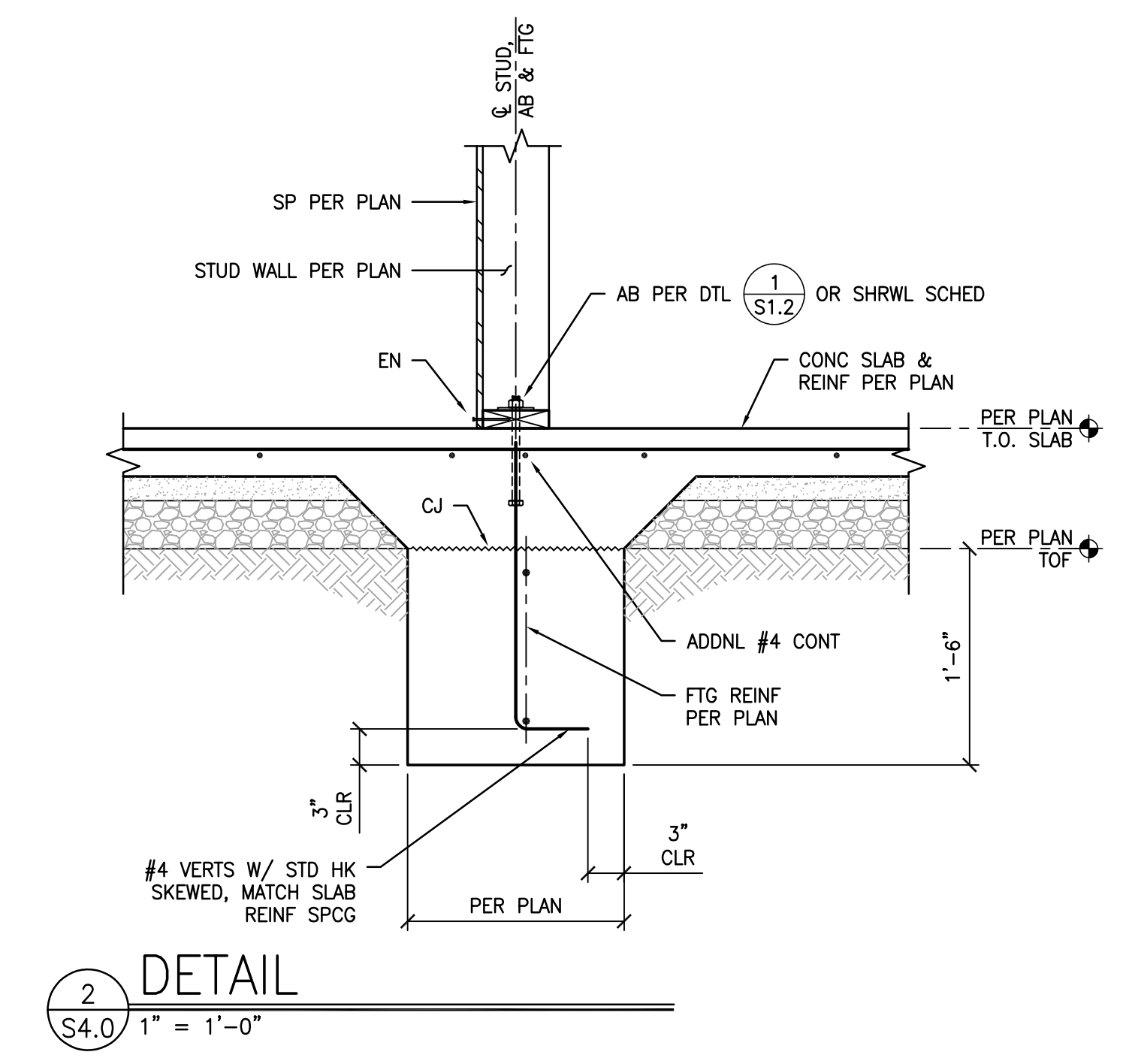
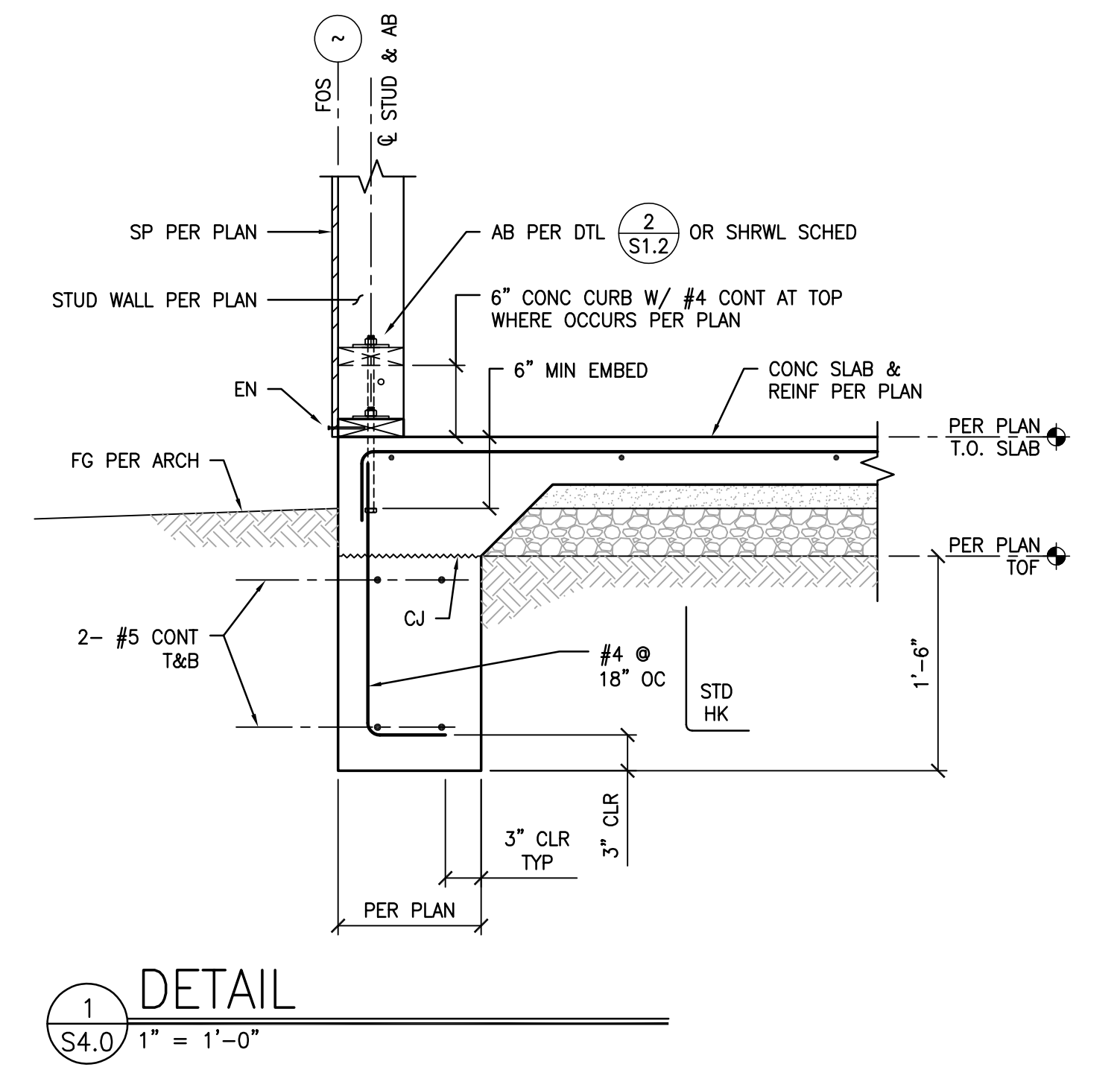
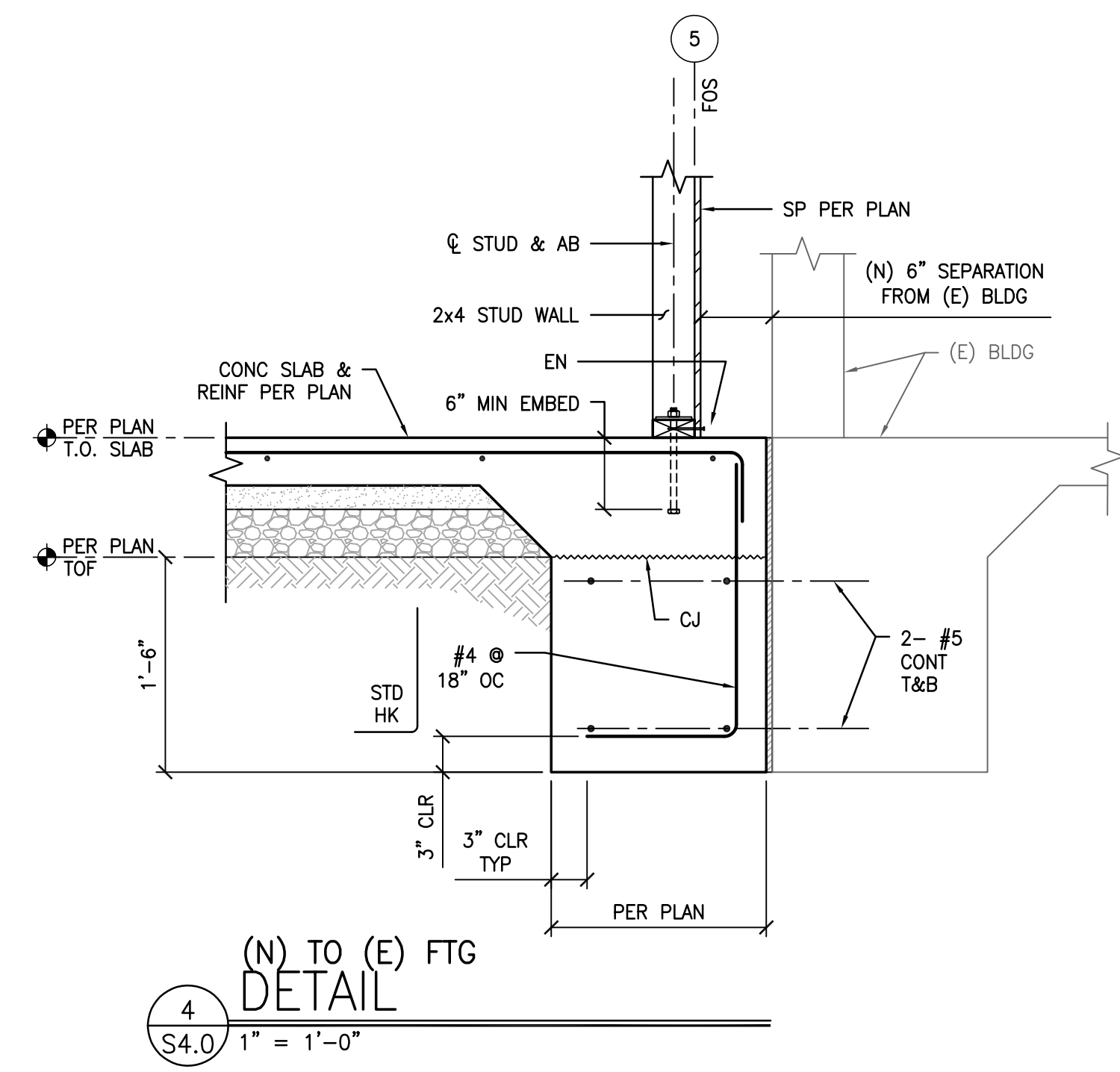
FOUNDATION PLAN

	PROJECT MGR ##	PROJECT NO. 23025	DRAWING NO. S2.1
	CHECKED BY AER	DATE 3788	ZONE D037
	DESIGNED BY AER	SCALE	REV.
	DRAWN BY MTC	DATE JANUARY 05, 2024	SHEET 8

CAD FILE NO: X23071_KPA-UCD_22x34.dwg

IF THIS DRAWING IS NOT 22x34" IT HAS BEEN REDUCED. SCALE ACCORDINGLY.

\C:\p-f\ch\23071_Pressey - LCD Coffee House Expansion\ACA\03\TRU\S4.dwg Time: Jan 07, 2024, 12:31 pm Log: hmoymolelem Dim: scale: 1/16"=1'-0"
 REVISIONS: X23071_KPA-UCD_22x34.dwg
 CAUTION: X23071_KPA-UCD_22x34.dwg
 DRAWING: X23071_KPA-UCD_22x34.dwg



STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW
 OPERATING & MAINTENANCE
 PLAN CHECK COMMITTEE CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE BEEN REVIEWED BY THE PLAN CHECK PROCESS.
 CHAIRPERSON, PLAN CHECK COMMITTEE: _____ DATE: _____

PRESSEY ASSOCIATES
 AN ARCHITECTURAL CORPORATION
 2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
 Tel 916-346-4280

CYS STRUCTURAL ENGINEERS, INC.
 2710 GATEWAY OAKS DRIVE, SUITE 190 N
 SACRAMENTO, CA 95839
 (916) 920-2020 WWW.CYSENG.COM
 CYS Job No. 23071

COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

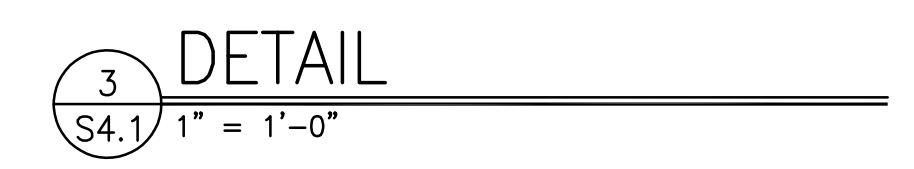
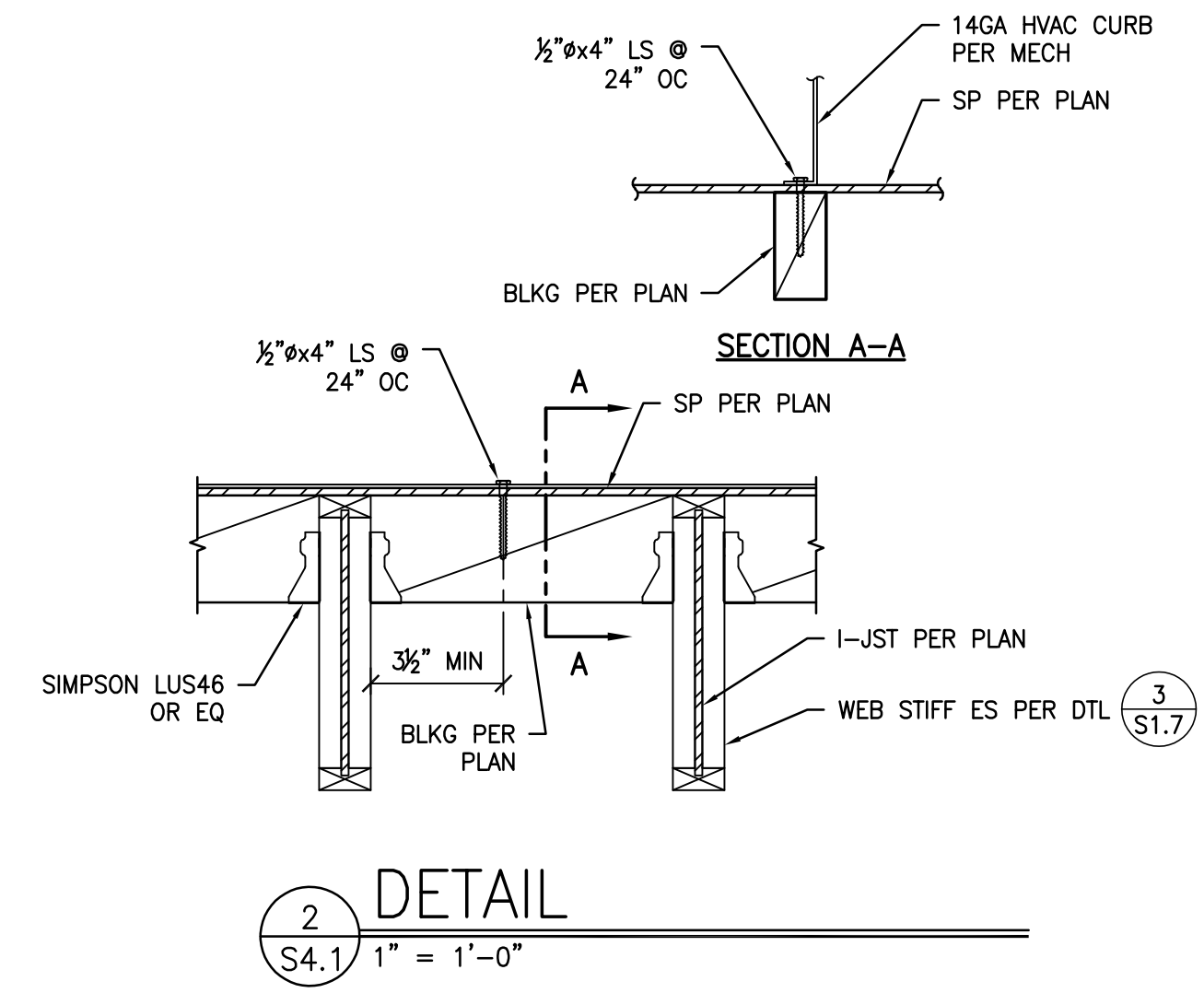
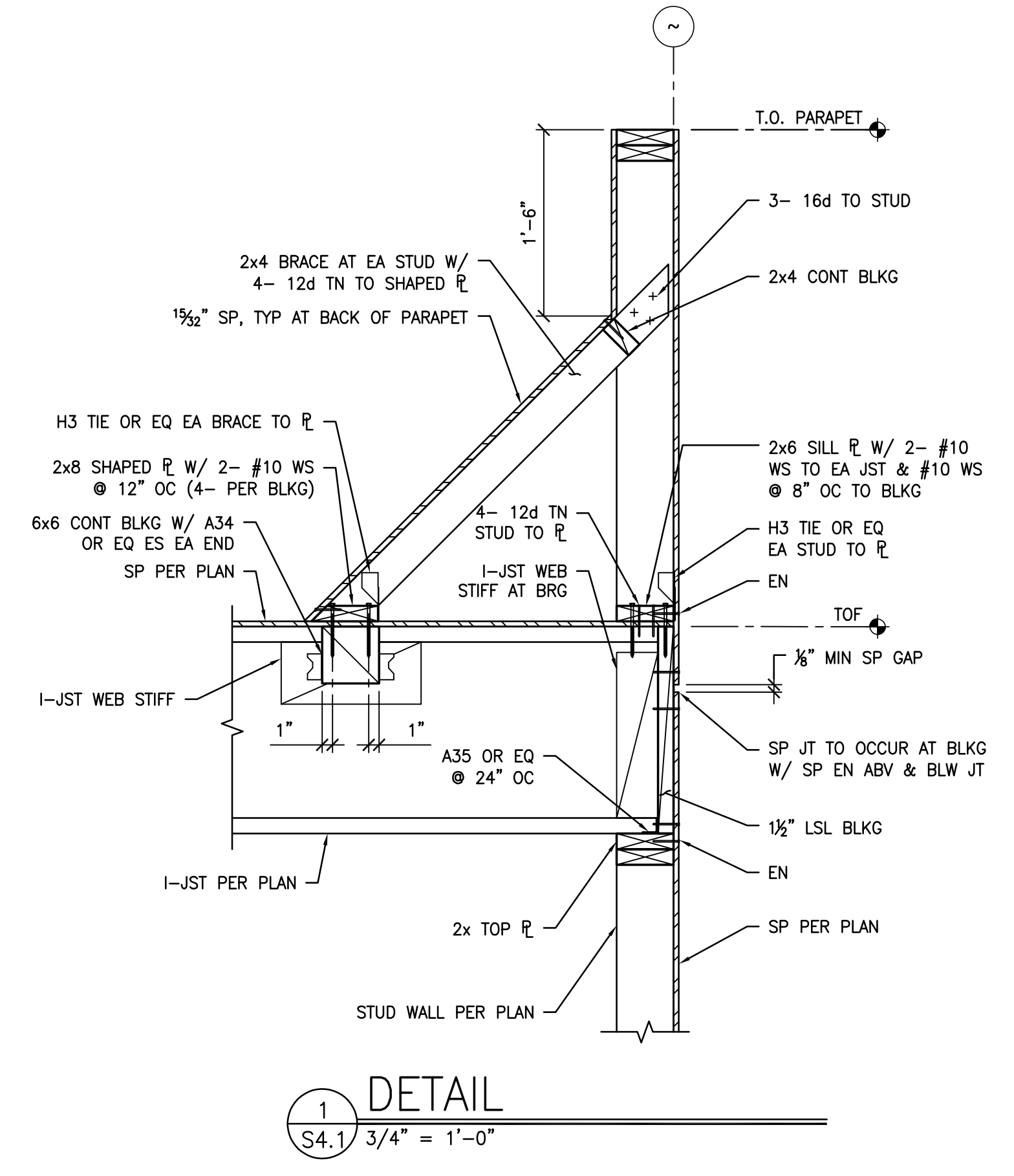
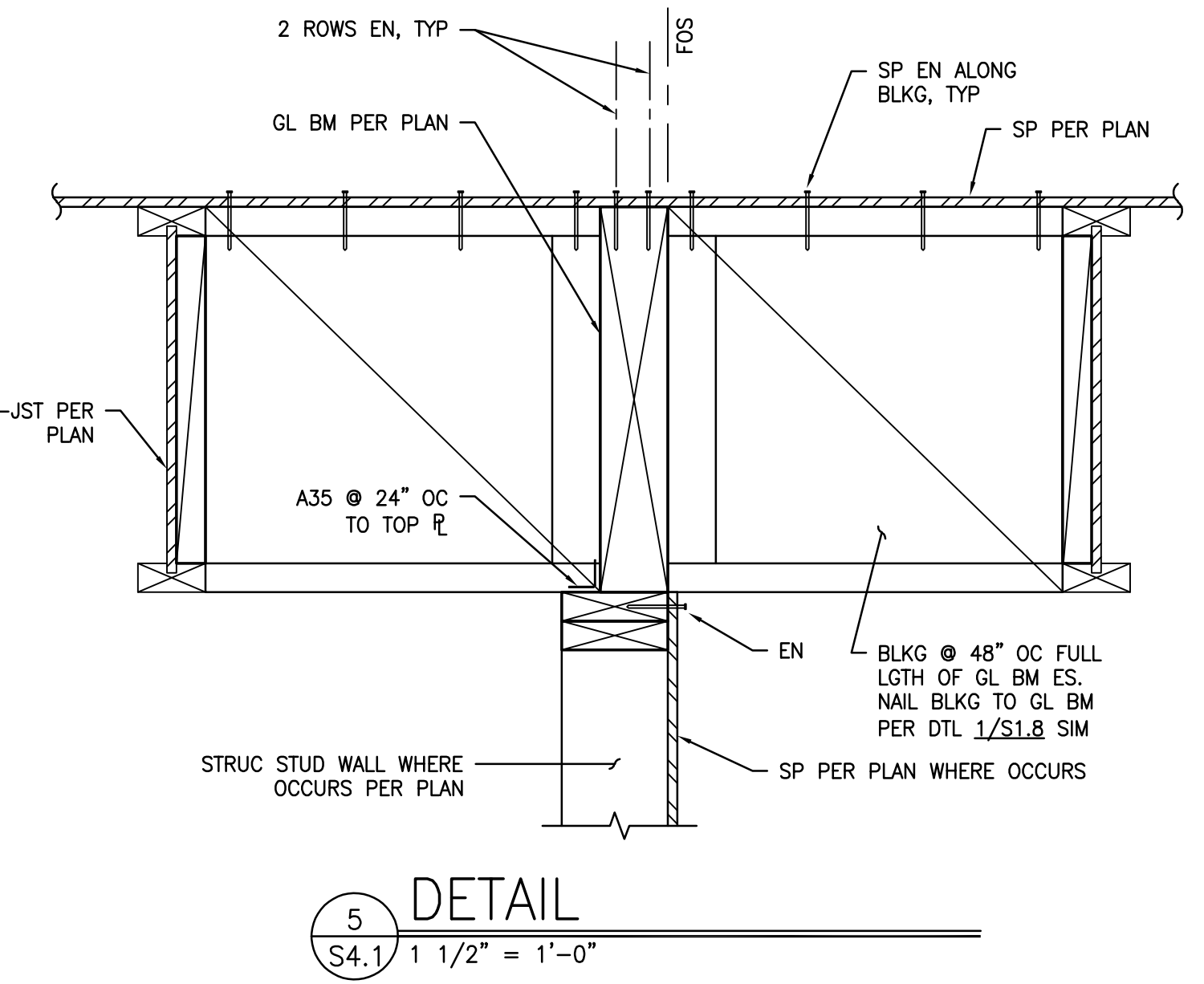
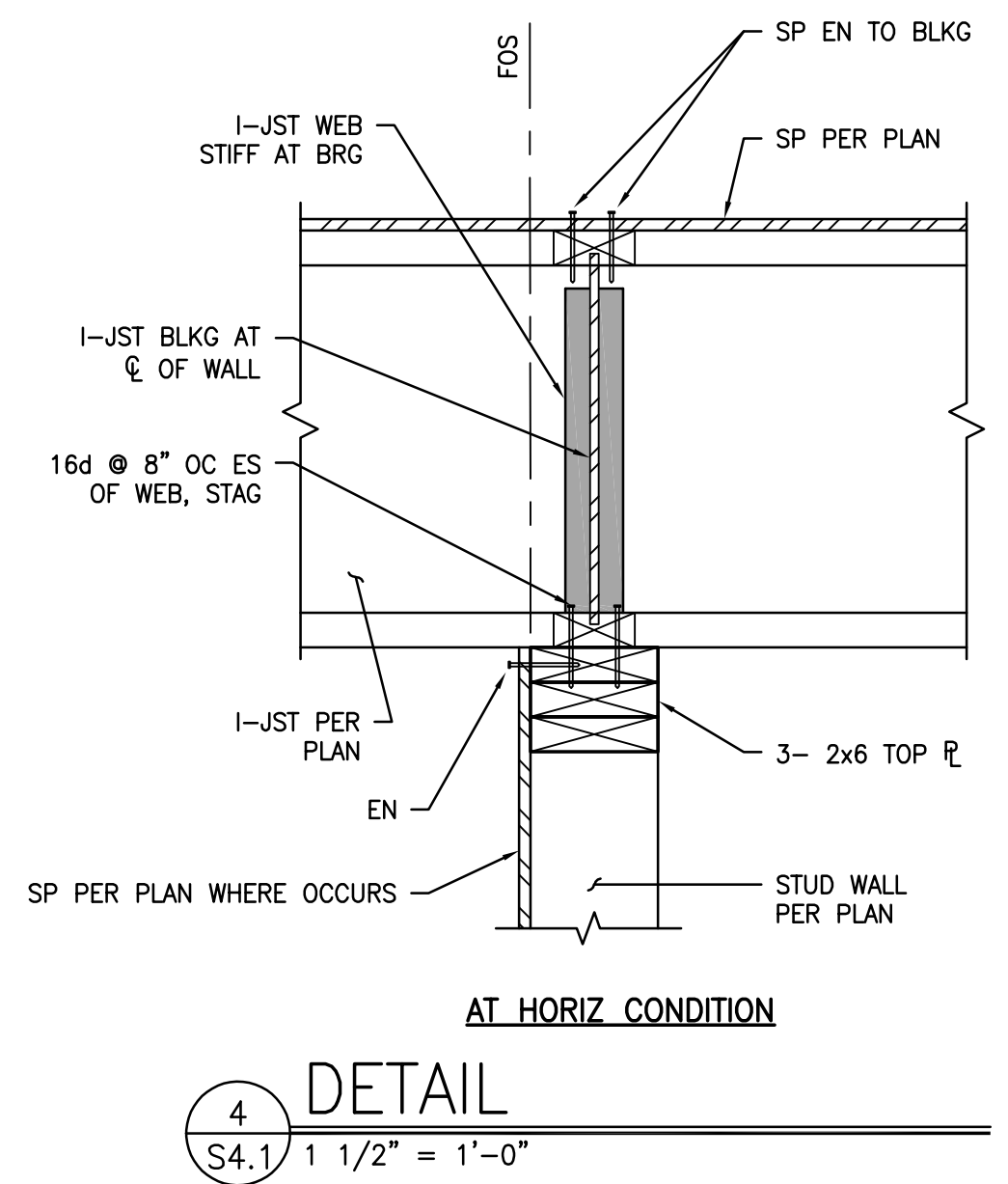
PROJECT TITLE
 COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

DRAWING TITLE
 DETAILS

PROJECT MGR: AER	PROJECT NO: 23025	DRAWING NO: S4.0
DESIGNED BY: AER	CHECKED BY: MTC	SCALE: 3/8" = 1'-0"
DRAWN BY: MTC	DATE: JANUARY 08, 2024	SHEET: 8 OF 8

FOR PLAN REVIEW
NOT FOR CONSTRUCTION

\C:\p-f\ch\23071_Pressey - UCD Coffee House Expansion\ACA\CD\STRU\S4_1.dwg Time: Jan 07 2024 12:32pm Logon: moyer\moyer Dim: scale: 1/16"=1'-0"
 REVISIONS: X23071_KPA-UCD_22x34.dwg
 CAUTION: X23071_KPA-UCD_22x34.dwg
 DRAWING: X23071_KPA-UCD_22x34.dwg



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FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

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CHAIRPERSON: PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY & ASSOCIATES
 AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
 Tel 916-346-4280

LICENSED ARCHITECT
 KEVIN W. PRESSEY
 No. C25741
 REN. 01/31/23
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
 ARTHUR ERNEST HOGGS
 No. S2030
 STATE OF CALIFORNIA

CYS STRUCTURAL ENGINEERS, INC.
 2710 GATEWAY OAKS DRIVE, SUITE 190 N
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 (916) 920-2020 WWW.CYSENG.COM
 CYS Job No. 23071

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

DRAWING TITLE

DETAILS

PROJECT MGR: AER	PROJECT NO: 23025	DRAWING NO: S4.1
CREATED BY: AER	DATE: 3788	ZONE: D037
DESIGNED BY: AER	SCALE: 3/8"	REV:
DRAWN BY: MTC	DATE: JANUARY 08, 2024	SHEET: 8
DATE: D 22 x 34	DATE: JANUARY 08, 2024	SHEET: 8

FOR PLAN REVIEW
 NOT FOR CONSTRUCTION

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MECHANICAL LEGEND

AC	AIR CONDITIONING	MIN.	MINIMUM
AD	ACCESS DOOR	MOC	MAXIMUM OVER CURRENT PROTECTION
AE	AIR EXTRACTOR	MD	MOTORIZED DAMPER
AFF	ABOVE FINISHED FLOOR	MVD	MANUAL VOLUME DAMPER
AL	ACOUSTICAL LINING	(N)	NEW
BDD	BACKDRAFT DAMPER	OBD	OPPOSED BLADE DAMPER
BHP	BRAKE HORSEPOWER	OC	ON CENTER
BOD	BOTTOM OF DUCT	OPNG.	OPENING
CD	CO2 SENSOR	OSA	OUTSIDE AIR
CFM	CONDENSATE DRAIN	OSH	OUTSIDE AIR HOOD
CFM	CUBIC FEET PER MINUTE	Ø	PHASE
CEF	CEILING EXHAUST FAN	POC	POINT OF CONNECTION
CL	CENTERLINE	POD	POINT OF DISCONNECTION
CHWR	CHILLED WATER RETURN	QTY	QUANTITY
CHWS	CHILLED WATER SUPPLY	RA	RETURN AIR
DB	DRY BULB	RA	RETURN DIFFUSER
DL	DOOR LOUVER	REF	ROOF EXHAUST FAN
DN.	DOWN	RH	RADIANT HEATER
EA	EXHAUST AIR	RL	REFRIGERANT LIQUID
EAL	EXHAUST AIR LOUVER	RPM	REVOLUTION PER MINUTE
EAT	ENTERING AIR TEMPERATURE	RS(R)(G)	RETURN REGISTER (GRILLE)
EF	EXHAUST FAN	RS	REFRIGERANT SUCTION
(E)	EXISTING	(S)	SENSOR
EG	EXHAUST GRILLE	(SD)	SMOKE DETECTOR
ESP	EXTERNAL STATIC PRESSURE	SM	SHEET METAL
F	DEGREES FAHRENHEIT	SA	SUPPLY AIR
FA	FRESH AIR	SD(R)(G)	SUPPLY DIFFUSER (REGISTER) (GRILLE)
FAL	FRESH AIR LOUVER	SS	STAINLESS STEEL
FD	FLEXIBLE CONNECTION	TD	THERMOSTAT
FDM	FIRE DAMPER	TBD	TO BE DETERMINED
FSD	FIRE/SMOKE DAMPER	TCP	TEMPERATURE CONTROL PANEL
FPM	FEET PER MINUTE	TEMP.	TEMPERATURE
FLA	FULL LOAD AMPS	TD	TRANSFER DUCT
FT	FOOT OR FEET	TG	TRANSFER GRILLE
GA	GAUGE	TSP	TOTAL STATIC PRESSURE
GI	GALVANIZED IRON	TV	TURNING VANES
GSM	GALVANIZED SHEET METAL	TYP	TYPICAL
(H)	SPACE HUMIDITY SENSOR	UCD	UNDERCUT DOORS
H&V	HEATING & VENTILATION	UTR	UP THRU ROOF
HZ	HERTZ	V	VOLTS
HP	HORSE POWER	VAV	VARIABLE AIR VOLUME
IF	INDOOR FAN	VFD	VARIABLE FREQUENCY DRIVE
LAT	LEAVING AIR TEMPERATURE	W/	WITH
LBS.	POUNDS	WB	WET BULB
LRA	LOCK ROTOR AMPS	WT.	WEIGHT
MBH	THOUSAND BTU PER HOUR		
MAX.	MAXIMUM	AI	AIR TERMINAL TAG DESCRIPTION
MCA	MINIMUM CIRCUIT AMPACITY	12x12 SD-L	(NECK SIZE) (TERMINAL TYPE)
MFR	MANUFACTURER	300,12"Ø	(TERMINAL CFM), (ENTERING DUCT)

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND PROVIDED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED AND BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/20 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED GUIDE (E.G., OSHPD OPM FOR 2022 CBC OR LATER), COPIES OF THE BRACING SYSTEM GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

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

MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #)

GENERAL NOTES

- ALL PLANS TO BE DESIGNED TO CODES 2022 CBC, CRC, CAL GREEN CODE CMC, CEC, 2022 CPC, (BASED ON THE 2021 IBC, 2021 IRC, 2021 CAL GREEN BUILDING STANDARDS CODE, 2021 UMC, 2021 UPC, 2021 NEC), AND 2019 ENERGY STANDARDS, AS AMENDED BY THE STATE OF CALIFORNIA AND LOCAL JURISDICTIONS.
- PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR PROVIDE ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, CITY AND LOCAL CODES AND ORDINANCES.
- THE CONTRACTOR SHALL READ ALL OF THE GENERAL NOTES, SPECIFICATIONS AND PLANS AND SHALL BE SATISFIED TO THEIR TRUE MEANING AND INTENT AND SHALL BE RESPONSIBLE FOR COMPLYING WITH EACH. WHEREVER TWO OR MORE SPECIFICATIONS MAY CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL TAKE PRECEDENCE.
- IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIAL NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THIS WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES THAT MAY EXIST IN THE PLANS AND/OR SPECIFICATIONS PRIOR TO SUBMITTING BID. THE OWNER'S REPRESENTATIVE AND THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE ALL PIPING AND DUCTWORK SYSTEMS TO BEST SUIT FIELD CONDITIONS, AND COORDINATE WITH THE WORK OF OTHER TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION OF PIPING. NOTIFY CONSTRUCTION MANAGER OF ANY DEVIATIONS FROM THESE DRAWINGS PRIOR TO FABRICATION AND/OR PROVISION.
- LOCATIONS AND DIMENSIONS OF EQUIPMENT, PIPING, AND THEIR SUPPORTS ARE SHOWN DIAGRAMMATICALLY AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION OF PIPING OR DUCTWORK. ACTUAL DIMENSIONS AND LOCATIONS ARE DEPENDENT ON MATERIAL SUPPLIED BY CONTRACTORS. CONTRACTORS SHALL PROVIDE OR DETERMINE DIMENSIONS AND PROVIDE LAYOUT DRAWINGS FOR COORDINATION WITH OTHER TRADES IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR SHALL REMOVE RUBBISH WASTE MATERIALS ON DAILY BASIS AND PROTECT AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE WHICH MAY OCCUR.
- ALL WORK SHOWN ANYWHERE ON THE DRAWINGS IS INCLUDED; SHOULD AN ITEM (SUCH AS A VALVE) BE SHOWN ON A DETAIL OR SCHEMATIC BUT NOT ON A PLAN VIEW OR VICE VERSA, IT MUST BE PROVIDED AS THOUGH IT WERE SHOWN IN ALL PLACES ON THE DRAWINGS.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY STRUCTURES, INSERTS, SLEEVES, HANGING DEVICES, MISCELLANEOUS ANGLES, CHANNELS, UNISTRUT ETC. FOR PROVISION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK AND PIPING, ETC. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- EACH MECHANICAL APPLIANCE SHALL BE APPROVED BY THE ADMINISTRATIVE AUTHORITY FOR SAFE USE OR COMPLY WITH APPLICABLE NATIONALLY RECOGNIZED STANDARDS AS EVIDENCED BY THE LISTING AND LABEL OF AN APPROVED AGENCY.
- THERMOSTAT SETPOINTS SHALL BE PER CALIFORNIA T-24 REQUIREMENT. ANY DEVIATION FROM THESE SETPOINTS BECOMES THE RESPONSIBILITY OF THE USER OR CONTRACTOR.
- SUMMARY OF INDIVIDUALLY SUPPORTED PIPING SYSTEMS THAT ARE EXEMPT FROM DESIGN FOR SEISMIC FORCES AND SEISMIC RELATIVE DISPLACEMENTS:

SYSTEM (E.G.) - STEEL OR COPPER	IP	EXEMPTIONS
HEATING HOT AND CHILLED WATER CONDENSER WATER HIGH TEMPERATURE HOT WATER STEAM AND STEAM VENT CONDENSATE RETURN WATER BOILER FEED WATER AND BLOWDOWN DOMESTIC HOT AND COLD WATER FUEL OIL, GAS AND COMPRESSED AIR MEDICAL GASES AND VACUUM INDUSTRIAL AND IRRIGATION WATER SOFT WATER EMERGENCY COLD WATER GREASE WASTE AND VENT SANITARY WASTE AND VENT	1.0	<ol style="list-style-type: none"> ALL PIPES ≤ 3" DIAMETER ALL PIPES EXEMPTED FOR THE IP=1.5 CASE BELOW
	1.5	<ol style="list-style-type: none"> THE FOLLOWING PIPES (≤5 LBS/FT) WHERE A FLEXIBLE CONNECTION IS PROVIDED BETWEEN PIPES AND COMPONENTS. <ol style="list-style-type: none"> ≤2" DIAMETER VENT, GAS OR EMPTY SCH 40 STEEL PIPE. ≤1-1/2" DIAMETER SCH 40 STEEL PIPE. ≤3" DIAMETER VENT, GAS OR EMPTY COPPER PIPE. ≤2" DIAMETER COPPER PIPE. ANY OTHER PIPING WITH AN OPERATING WEIGHT ≤5 LBS/FT. (NOTE: PIPES WITH HAZARDOUS CONTENTS (E.G. MEDICAL GASES, FUEL OIL, NATURAL GAS, ETC.) SHALL BE BRACED REGARDLESS OF WEIGHT. PIPE SIZE EXEMPTION 2 BELOW STILL APPLIES. NON-HAZARDOUS CONTENTS INCLUDE, BUT ARE NOT LIMITED TO, MEDICAL VACUUM AND COMPRESSED AIR.) ALL OTHER PIPES ≤1" DIAMETER

BRACING SHALL BE PER CBC SECTION 1616A. ACCEPTABLE SEISMIC BRACING DETAILS INCLUDE THOSE SHOWN IN EATON COOPER B-LINE (OPM-0052-13) AND MASON WEST, INC. (OPM-0043-13, REFERENCED ABOVE).

- IF THE CONTRACTOR CHOOSES TO SUBMIT AN ALTERNATE MANUFACTURER FOR ANY PIECE OF EQUIPMENT OR MATERIAL, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A SUBSTITUTION REQUEST AND COMPARISON OF SUBSTITUTION COMPARED TO THE BASIS OF DESIGN SCHEDULES EQUIPMENT OR MATERIAL FOR REVIEW BY THE ENGINEER.
- ALL DUCTS THAT HAVE INTERNAL LINING, THE SIZE REPRESENTS THE NET INSIDE DIMENSION.
- THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY PROVIDED MECHANICAL SYSTEMS, AFTER PROVISION AND BEFORE PROJECT COMPLETION. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR ALL PROJECTS.

DUCT SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
1	LINED DUCT SECTION AT EXHAUST DUCT RISER EXHAUST DUCT DROP	14	10/14 14x10 24x12 16x12
2	24x12 SECTION AT RETURN DUCT RISER TRANSITIONAL TURN RETURN DUCT DROP	15	10/14 14x10 24x12 MVD 10/14 14x10 24x12 16x12
3	TURNING VANES SECTION AT SUPPLY DUCT RISER SUPPLY DUCT DROP	16	4/36/8 10x8 48x12 38x12 12x12
4	VANE ANGLE CONVERGING OR DIVERGING TURNING VANES	17	4/36/8 10x12 48x12 38x12 12x12
5	12x12 MVD SQUARE TO ROUND TRANSITION	18	12x12 24x12 1 IN Ø MAX. 24x12 12x12 24x12 1 IN Ø MAX. 24x12 1 IN Ø MAX. 24x12 CONCENTRIC DIVERGING FLOW
6	24x12 16x12 7/5 ABOVE TRANSITION 24x12 16x12 7/5 BELOW TRANSITION 24x5 30x5 TRANSITIONAL RADIUS ELBOW	19	12x12 24x12 1 IN 2 24x12 MAX. CONCENTRIC 1 IN 2 24x12 MAX. ECCENTRIC
7	24x12 7/5 16x12 SQUARE ELBOW W/ TURNING VANES 24x12 16x12 7/5 24x5 30x5	20	24x12 DEFLECTROL & BRANCH DUCT SAME SIZE 12x6 10" MAX. LENGTH - OVER 10" USE NO. 6,7,8 OR 9 CEILING DIFFUSER
8	14/10 16x12 14x10 14" TRANSITION 24x12 16x12 14x10 10" TRANSITIONAL RADIUS ELBOW	21	24x12 DEFLECTROL AND BRANCH SAME SIZE 24x12 SIDEWALL REGISTER OR GRILLE FIRE DAMPER 10" MAX. LENGTH - OVER 10" USE NO. 6,7,8 OR 9
9	14/10 16x12 24x12 14x12 14" TRANSITION 24x12 16x12 14x12 10" SQUARE ELBOW W/ TURNING VANES	22	24x12 DEFLECTROL AND BRANCH SAME SIZE AS NECK SIZE CAP AT END OF RUN CEILING DIFFUSER
10	12"Ø 10"Ø 45°TEE ELONGATED TEE	23	BRANCH-SEE PLAN FOR SIZE FLEX. DUCT DIFFUSER CEILING DIFFUSER
11	SUPPLY DUCT RISE AIR FLOW SUPPLY DUCT DROP AIR FLOW	24	SHOE FITTING WITH MVD AIR FLOW
12	RETURN OR EXHAUST AIR RISE AIR FLOW RETURN OR EXHAUST AIR DROP AIR FLOW	25	CONICAL FITTING WITH MVD AIR FLOW
13	CONICAL FITTING	26	ACOUSTICALLY LINED SHEET METAL DUCT SIZE SHOWN IS NET INSIDE DIMENSION 24 x 36 AL

STAMPS / APPROVALS

DEPARTMENT/PROPERTY	SIGNATURE	DATE
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FACILITIES SVCS - STRUCTURAL		
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ENVIRONMENTAL HEALTH & SAFETY		

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OPERATIONS & MAINTENANCE PLAN CHECK COMMITTEE CERTIFICATION
THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
SACRAMENTO, CA 95811
Tel 916-346-4280

M31176
EXP. 12/31/23
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL
STATE OF CALIFORNIA

PLOT DATE: 11/28/2023

PETERS engineering
consulting mechanical and electrical engineers

7750 College Town Dr., Ste. 101
Sacramento, CA 95826
Tel (916) 447-2841
www.peterseng.com
job no. 23-060

CALIFORNIA STATE FIRE MARSHAL APPROVED
PANIC AND LIFE SAFETY ONLY
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be on the project site at all times.

Reviewed by: _____
DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE
XX-XXXX

APPROVAL: _____
CHRIS D. ADAMSON, CASp
DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

DRAWING TITLE

SYMBOLS & NOTES

PROJECT MGR M. CARSON	PROJECT NO. 23025	DRAWING NO. M0.1
CREATED BY K. PRESSEY	CHAM 3788	ZONE D037
FORWARDED BY K. PRESSEY	SCALE	REV.
DRAWN BY	DATE MAY 30, 2012	SHEET OF
REV D 22 x 34		

CADRENO: _____ REFERENCE NO: _____

VARIABLE VOLUME TERMINAL REHEAT BOX SCHEDULE

MARK	TITUS MODEL	UNIT INLET SIZE (IN.)	AHU SERVED BY	FLOOR AREA	AIRFLOW		HEATING HOT WATER REHEAT COIL										DCV (Y/N)	APPROX. OPER. WT. (LBS)	REMARKS					
					MAXIMUM CFM	MINIMUM CFM	COIL FACE DIM.	HEATING CFM	MBH	EAT (°F)	EWT (°F)	LAT (°F)	APd (**W.C.)	GPM	LWT (°F)	Wpd (FT)				ROWS/FPI	VALVE TYPE			
VAV-120	DESV	6"ø	AHU-1	FIRST CONF.	400	195	-	195	-	-	-	-	-	-	-	-	-	-	-	-	3-WAY	-	-	SEE NOTES
VAV-121	DESV	6"ø	AHU-1	FIRST OFFICES	340	50	-	105	-	-	-	-	-	-	-	-	-	-	-	-	2-WAY	-	-	SEE NOTES
VAV-122	DESV	6"ø	AHU-1	FIRST BRK. RRM.	480	210	-	210	-	-	-	-	-	-	-	-	-	-	-	-	2-WAY	-	-	SEE NOTES

NOTES:

- CALCS AND PERFORMANCE BASED ON TITUS BOXES. CAN USE PRICE, NAILOR, KRUEGER, OR EQUAL. MATCH EXISTING.
- COORDINATE WITH CONTROLS CONTRACTOR TO PROVIDE 24V POWER.
- DEMAND CONTROLLED VENTILATION WHERE NOTED IN SCHEDULE ABOVE.
- PROVIDE FIELD FABRICATED 5' LINED PLENUM BOX IF SHOWN ON PLANS. INSIDE DIMENSIONS OF LINED PLENUM BOX SHALL BE THE SAME SIZE AS DISCHARGE OF VAV TERMINAL.
- WEIGHT INCLUDES DDC CONTROLS AND HOT WATER COIL (WHERE APPLICABLE) BUT NOT FABRICATED PLENUM BOX.
- PROVIDE 85°F LEAVING AIR TEMPERATURE MINIMUM OUT OF HOT WATER COIL.
- PROVIDE 30" CLEAR ON COIL AND UNIT CONTROLLER ACCESS SIDE.
- FOR MOUNTING DETAIL SEE X/MX.XX. FOR CONTROLS, SEE DETAIL X/MX.XX.

EXHAUST FAN SCHEDULE

MARK	GREENHECK MODEL NO.	FAN			MOTOR		LOCATION	SONES	AREAS SERVED	SIZE (DIAxH") W/12" CURB	APPROX. OPERATING WEIGHT (POUNDS)	REMARKS	
		CFM	TSP	RPM	HP	SERVICE V/ø/HZ							MOTOR TYPE
REF ??-?	G-099-VG	920	0.5	1536	1/4	115/1/60	VARIGREEN	ROOF	10.7	RESTROOMS	24"øx36"	43	SEE NOTES

NOTES:

- COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER REQUIREMENTS AND DISCONNECT AS REQUIRED.
- PROVIDE ROOF CURB WITH BACKDRAFT DAMPER.
- PROVIDE VARI-GREEN (ELECTRONICALLY COMMUTATED MOTOR).
- FAN TO BE INTERLOCKED WITH AC UNIT SERVING AREA.

DIFFUSER, REGISTER AND GRILLE SCHEDULE

MARK	TITUS MODEL	BORDER TYPE	OBD	FINISH	DESCRIPTION
SD-L	MCD	T-BAR LAY-IN	NO	WHITE	24"x24" STEEL MODULAR CORE, ADJUSTABLE, LAY-IN CEILING DIFFUSER. PROVIDE WITH STD. FINISH.
SD-S	MCD	SURFACE	NO	WHITE	SURFACE MOUNTED STEEL MODULAR CORE, ADJUSTABLE, SURFACE MOUNTED CEILING DIFFUSER. PROVIDE WITH STD. FINISH.
RG-L	50F	T-BAR LAY-IN	NO	WHITE	24"x24" ALUMINUM LAY-IN CEILING RETURN GRILLE WITH 1/2"x1/2"x1/2" ALUMINUM EGG CRATE GRILLE. PROVIDE WITH STD. FINISH.
RG-S	50F	SURFACE	NO	WHITE	ALUMINUM SURFACE MOUNTED CEILING RETURN GRILLE WITH 1/2"x1/2"x1/2" ALUMINUM EGG CRATE GRILLE. PROVIDE WITH STD. FINISH.
EG-L	50F	T-BAR LAY-IN	NO	WHITE	24"x24" ALUMINUM LAY-IN CEILING EXHAUST GRILLE WITH 1/2"x1/2"x1/2" ALUMINUM EGG CRATE GRILLE. PROVIDE WITH STD. FINISH.
EG-S	50F	SURFACE	NO	WHITE	ALUMINUM SURFACE MOUNTED CEILING EXHAUST GRILLE WITH 1/2"x1/2"x1/2" ALUMINUM EGG CRATE GRILLE. PROVIDE WITH STD. FINISH.
TG-L	50F	T-BAR LAY-IN	NO	WHITE	24"x24" ALUMINUM LAY-IN CEILING TRANSFER GRILLE WITH 1/2"x1/2"x1/2" ALUMINUM EGG CRATE GRILLE. PROVIDE WITH STD. FINISH.
TG-S	50F	SURFACE	NO	WHITE	ALUMINUM SURFACE MOUNTED CEILING TRANSFER GRILLE WITH 1/2"x1/2"x1/2" ALUMINUM EGG CRATE GRILLE. PROVIDE WITH STD. FINISH.

GENERAL NOTES:

- FURNISH ALL CEILING AIR TERMINALS WITH BORDER STYLES THAT COORDINATE WITH APPLICABLE CEILING TYPE. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES
- PROVIDE RECTANGULAR TO ROUND DUCT ADAPTORS AND ROUND TO RECTANGULAR AS NEEDED TO MAKE DUCT CONNECTIONS PER PLANS.
- TERMINAL NECK SIZE, TERMINAL FACE SIZE AND AIRFLOW DIRECTION DEFLECTIONS ARE PER PLANS.
- PAINT INSIDE OF DUCT PLENUMS ABOVE GRILLES, VISIBLE FROM OCCUPIED SPACE BELOW, FLAT BLACK. REFER TO SPECIFICATIONS.

STAMPS / APPROVALS

DEPARTMENT/PROPERTY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW


OPERATIONS & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

_____ DATE _____
CHAIRPERSON PLAN CHECK COMMITTEE

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION



2015 H ST., THIRD FLR.
SACRAMENTO, CA 95811
Tel 916-346-4280

PLOT DATE: 11/28/2023

PETERS engineering
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Sacramento, CA 95826
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www.peterseng.com
Job no. 23-060

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Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be on the project site at all times.

Reviewed by: _____
DESIGNATED CAMPUS FIRE MARSHAL UCDD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE
XX-XXXX

APPROVAL: _____
CHRIS D. ADAMSON, CASp
DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616


REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

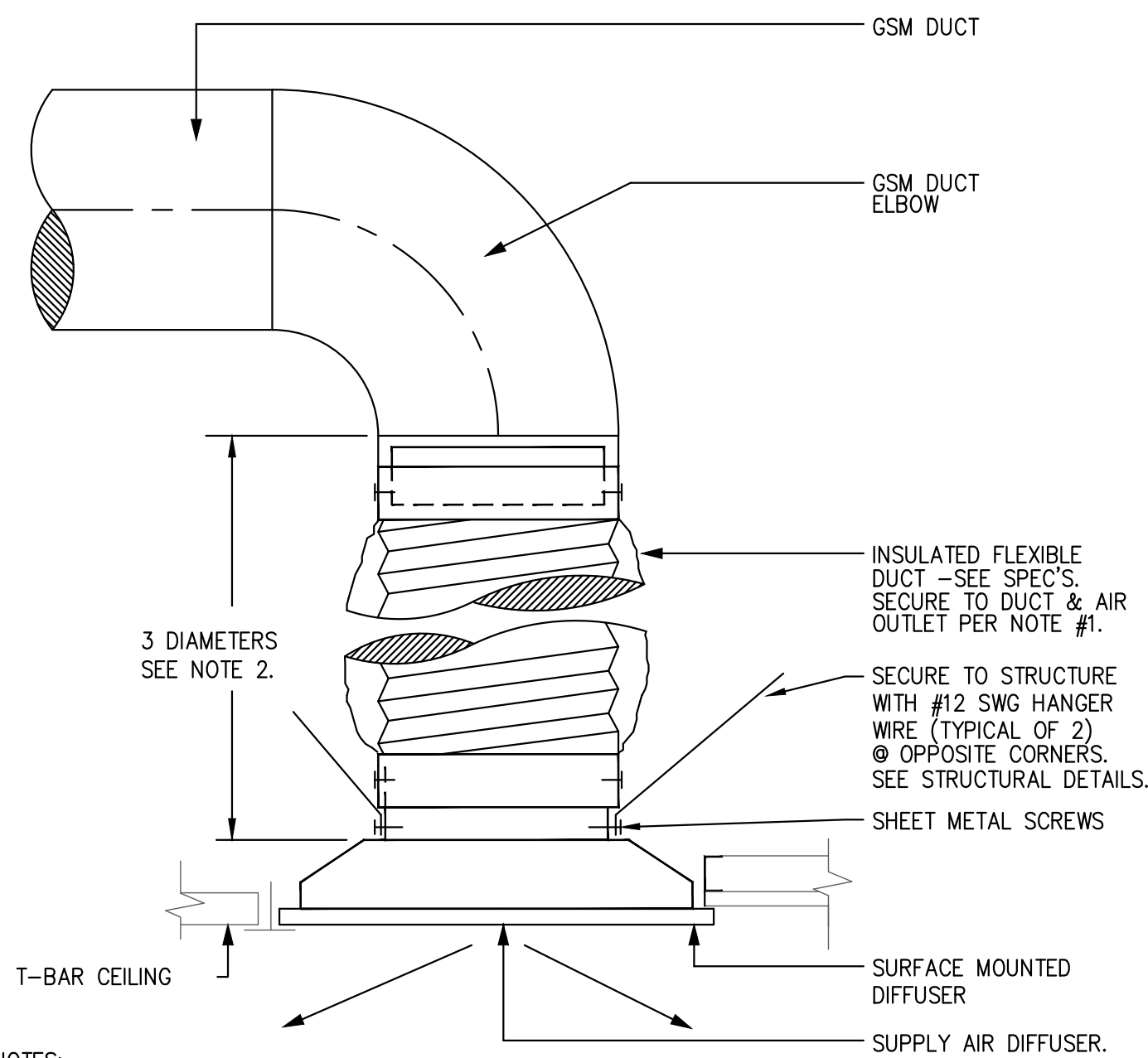
COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
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DRAWING TITLE

SCHEDULES

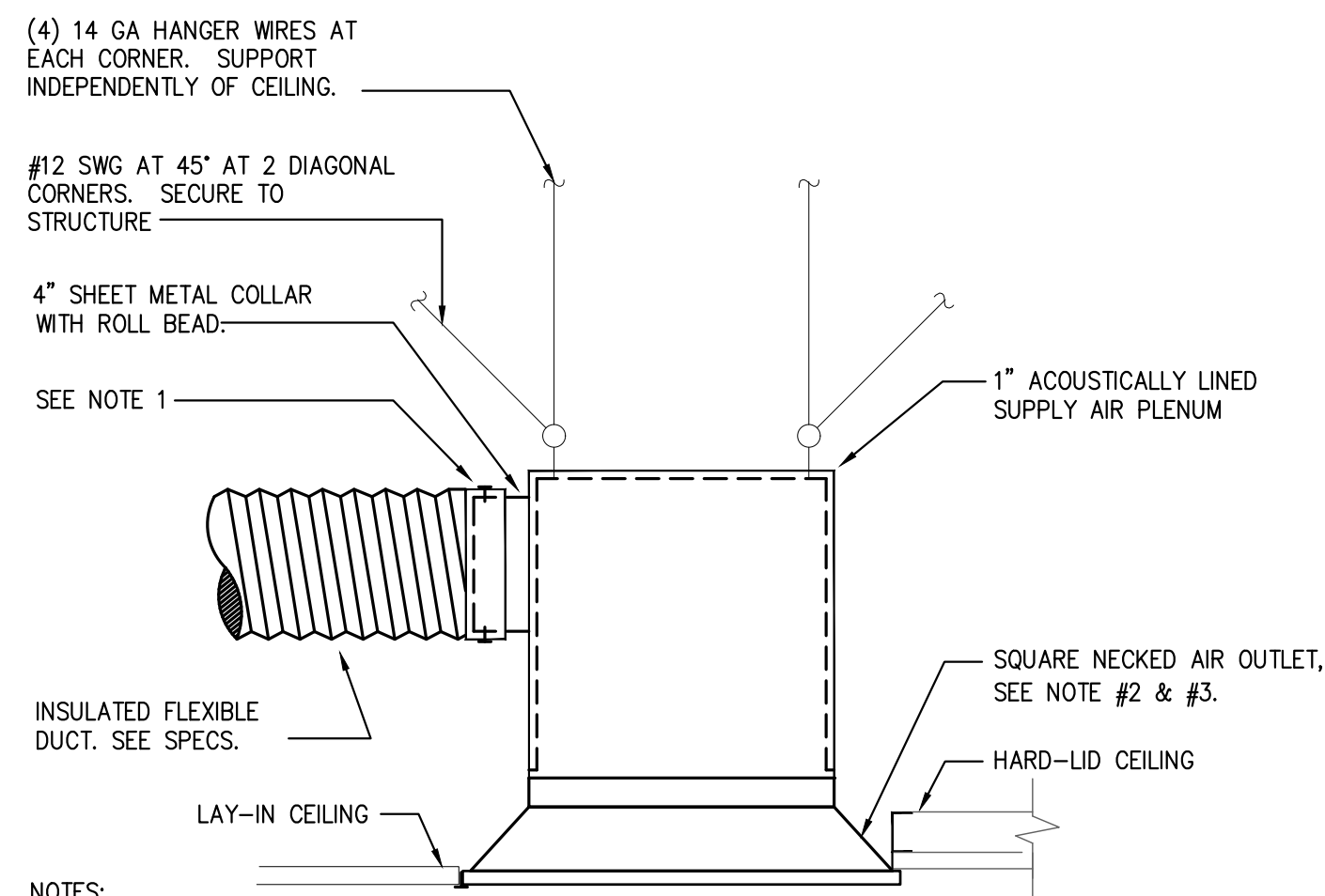
	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: M0.2
	CREATED BY: K. PRESSEY	CHANG:	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE: 3788	REV:
	DRAWN BY: MX	SCALE:	DATE: MAY 30, 2012
REV: D	DATE: MAY 30, 2012	SHEET: 22 x 34	OF: -

CAD FILE NO: _____ FILE NUMBER: _____



- NOTES:
1. PEEL BACK JACKET & INSULATION. SECURE LINER TO AIR OUTLET & DUCT WITH CLAMP OR DRAW BAND POSITIONED BEHIND ROLL BEAD. APPLY SUITABLE DUCT SEALANT TO JOINT. REPLACE INSULATION AND JACKET OVER LINER & SECURE IN A SIMILAR FASHION.
 2. IF A MINIMUM 3 DUCT DIAMETERS OF STRAIGHT RUN IS NOT AVAILABLE ABOVE REGISTER USE PLENUM ABOVE REGISTER. SEE DETAIL -M-

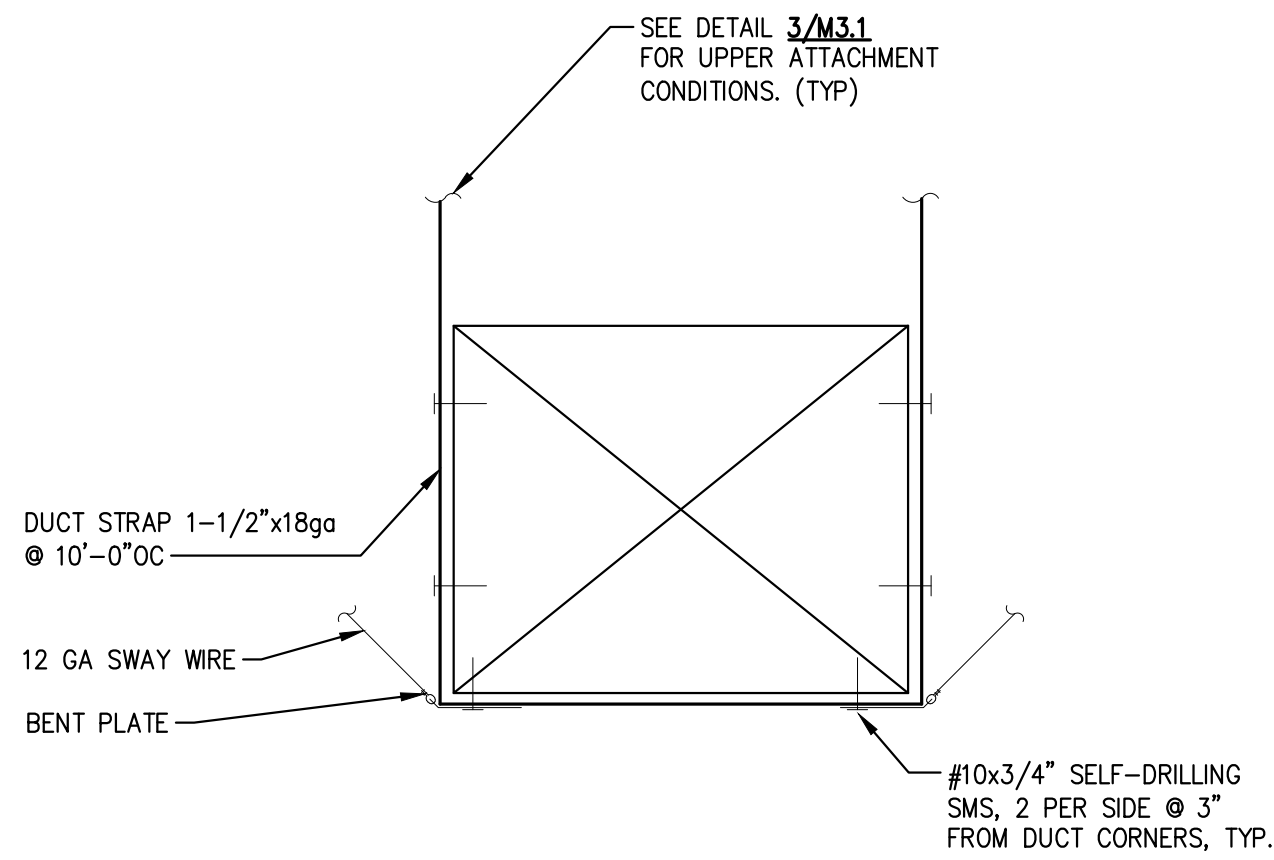
PREFER-METHOD



- NOTES:
1. PEEL BACK JACKET & INSULATION. SECURE LINER TO PLENUM COLLAR WITH CLAMP OR DRAW BAND POSITIONED BEHIND ROLL BEAD. APPLY SUITABLE DUCT SEALANT TO JOINT. REPLACE INSULATION AND JACKET. SECURE TO COLLAR WITH CLAMPS OR DRAW BANDS.
 2. SECURE AIR OUTLET TO PLENUM WITH A MINIMUM OF FOUR SHEET METAL SCREWS. SEAL ALL JOINTS AIRTIGHT.
 3. DO NOT SUBSTITUTE WITH ROUND NECK DIFFUSERS.
 4. RETURN AND EXHAUST GRILLE INSTALLATION IS SIMILAR.

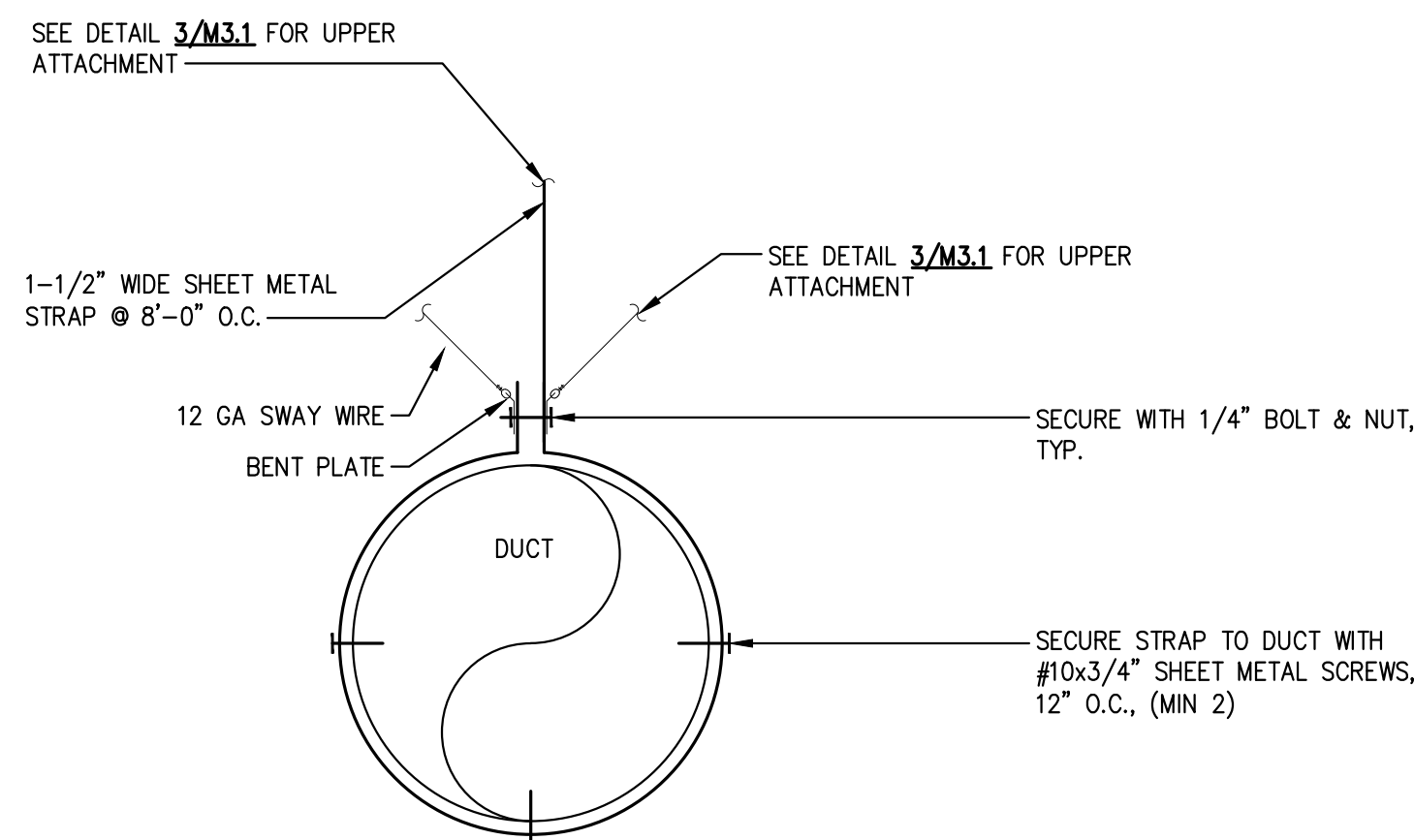
OPTIONAL-ALTERNATE

6 DIFFUSER DETAIL
SCALE: NONE



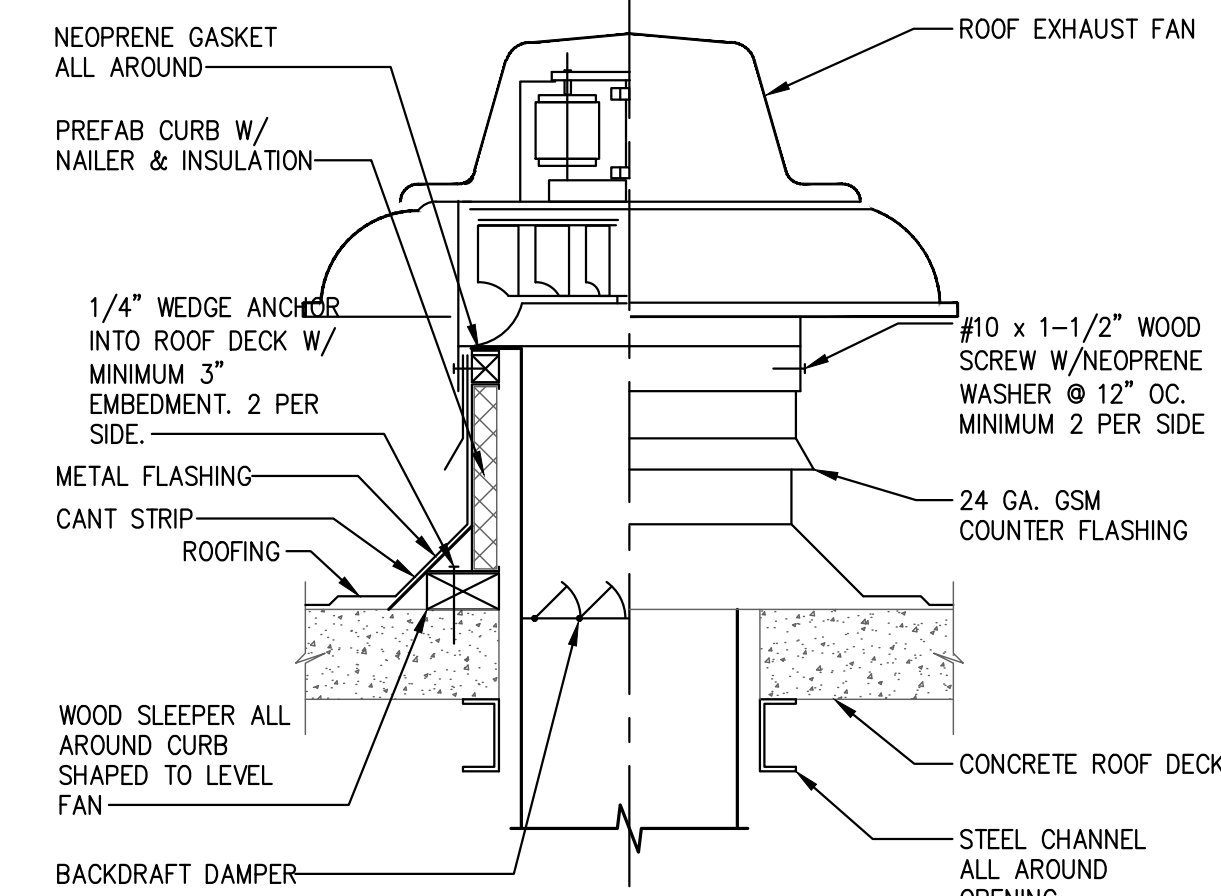
- NOTES:
1. SWAY WIRE MAY BE OMITTED WHEN SECURING TOP OF DUCT WITHIN 12" OF STRUCTURE ABOVE. SWAY WIRE PROVISIONS TO BE USED FOR PROTECTING DUCT FROM SWINGING TO HIT OTHER DUCTING OR MECHANICAL EQUIPMENT.
 2. SEISMICALLY BRACED DUCTS EXCEEDING 6 SQ FT IN CROSS SECTIONAL AREA SHALL BE SECURED PER DETAIL XXX

4 RECTANGULAR DUCT SUPPORT DETAIL
SCALE: NONE

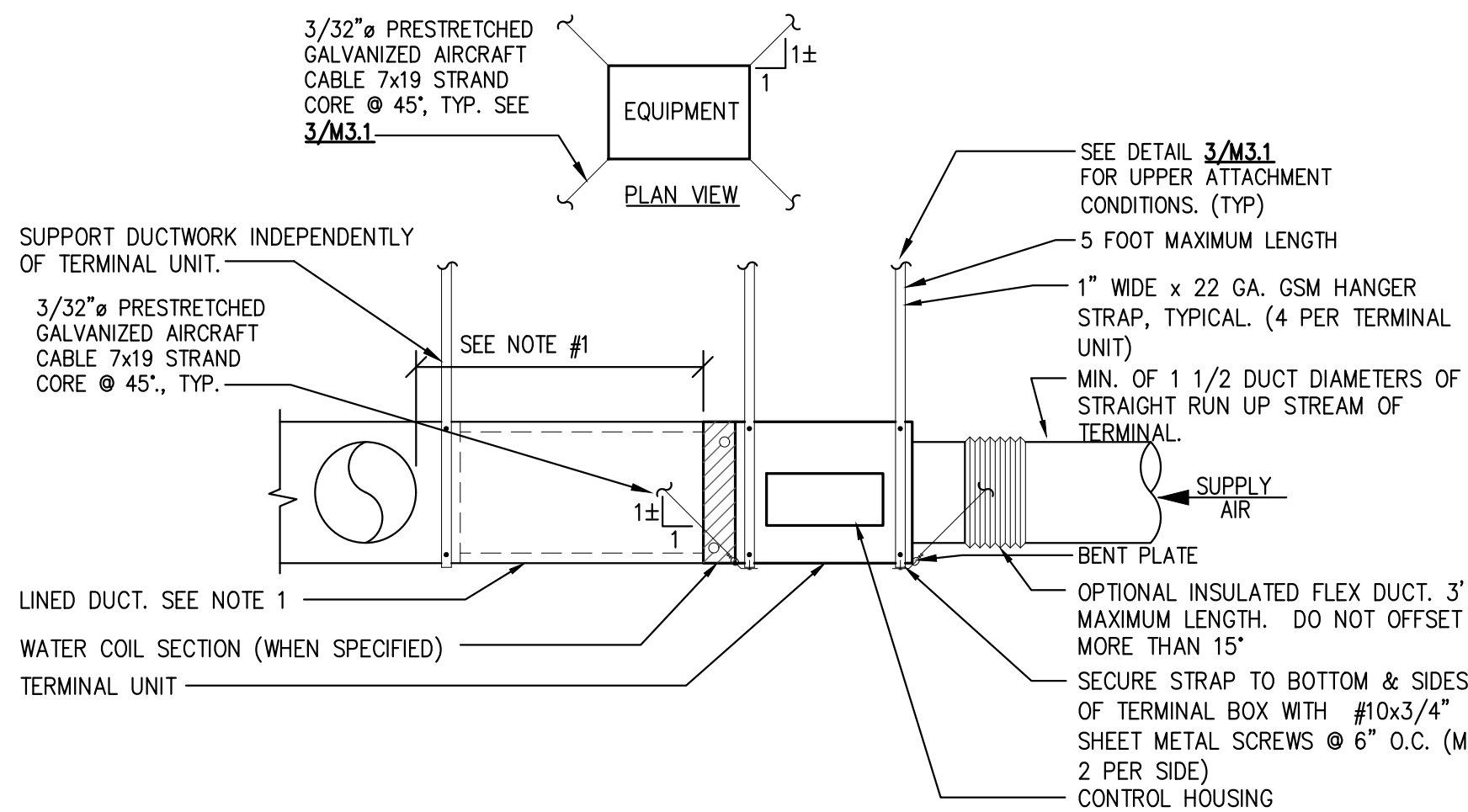


- NOTES:
1. DUCT SUPPORT SHALL BE SPACED MAX. 8'-0" AND EACH TURN OF DIRECTION. PROVIDE SUPPORT AT ALL FLEXIBLE CONNECTIONS & DUCT MOUNTED EQUIPMENT.
 2. SWAY WIRE MAY BE OMITTED WHEN SECURING TOP OF DUCT WITHIN 12" OF STRUCTURE ABOVE. SWAY WIRE PROVISIONS TO BE USED FOR PROTECTING DUCT FROM SWINGING TO HIT OTHER DUCTING OR MECHANICAL EQUIPMENT

5 ROUND DUCT SUPPORT DETAIL
SCALE: NONE

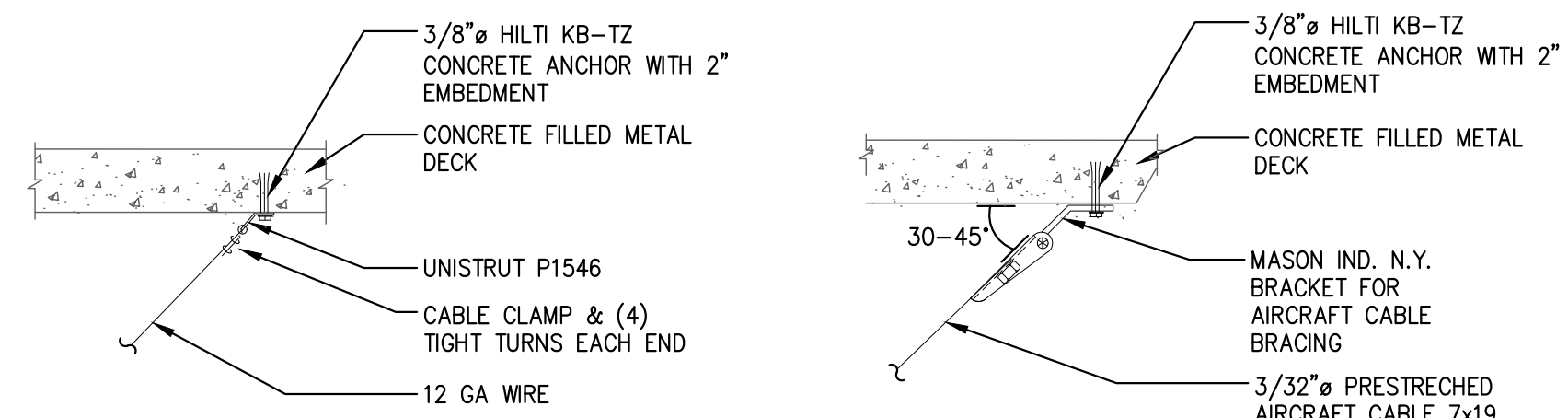


1 ROOF EXHAUST FAN DETAIL
SCALE: NONE



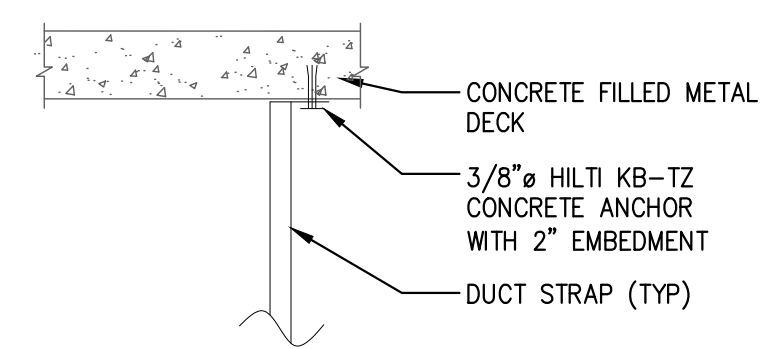
- NOTES:
1. MINIMUM 5'-0" BEFORE FIRST BRANCH DUCT TAKE-OFF FOR UNITS 2000 CFM AND SMALLER AND MINIMUM 10'-0" FOR UNITS LARGER THAN 2000 CFM.
 2. VAV CONTROLLER AND HOT WATER COIL VALVE TO BE ON SAME SIDE OF TERMINAL UNIT.
 3. PROVIDE MINIMUM 30" CLEARANCE IN FRONT OF CONTROLS AND CONTROL VALVE

2 VAV BOX DETAIL
SCALE: NONE



GA-WIRE

AIRCRAFT-CABLE



STRAP

3 UPPER ATTACHMENT
SCALE: NONE

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FACILITIES SVCS - MECHANICAL		
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CHAIRPERSON PLAN CHECK COMMITTEE	DATE

PRESSEY ASSOCIATES
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Reviewed by: _____
DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE
XX-XXXX

APPROVAL:
CHRIS D. ADAMSON, CASD
DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE	
COFFEE HOUSE EXPANSION	
ONE SHIELDS AVENUE DAVIS, CA 95616	

DRAWING TITLE	
DETAILS	

PROJECT MGR	PROJECT NO.	DRAWING NO.
M. CARSON	23025	M3.1
CREATED BY: K. PRESSEY	CLASS	ZONE
DESIGNED BY: K. PRESSEY	3788	D037
DRAWN BY:	SCALE	REV:
DATE: D 22 x 34	MAY 30, 2012	SHEET: - OF: -

CAD FILE NO.	FILE NUMBER

REVISIONS

PLUMBING FIXTURE CONNECTIONS

FIXTURE	SYMBOL	WASTE				COLD WATER		HOT WATER	
		BRANCH	OUTLET	VENT	TRAP	BRANCH	OUTLET	BRANCH	OUTLET
WATER CLOSET (FLUSH VALVE)	WC	4"	4"	2"	4"	1-1/2"	1"	---	---
LAVATORY	L	2"	1-1/2"	1-1/2"	1-1/2"	1/2"	3/8"	1/2" (2)	3/8" (2)
URINAL	UR	2"	2"	1-1/2"	2"	1-1/2"	3/4"	---	---
FLOOR DRAIN (1)	FD	2"	2"	1 1/2"	2"	---	---	---	---
HOSE BIBB	HB	---	---	---	---	3/4"	3/4"	---	---

NOTES:
 (1) TRAP PRIMER CONNECTION ONLY WHERE NOTED ON PLANS

T-24 PIPING INSULATION REQUIREMENTS

FLUID TEMPERATURE RANGE (°F)	CONDUCTIVITY RANGE (IN BTU-INCH PER HOUR PER SQUARE FOOT PER °F)	INSULATION MEAN RATING TEMPERATURE (°F)	NOMINAL PIPE DIAMETER (IN INCHES)				
			<1	1 TO <1.5	1.5 TO <4	4 TO <8	≥ 8
SPACE HEATING AND SERVICE WATER HEATING SYSTEMS (STEAM, STEAM CONDENSATE AND HOT WATER);							
ABOVE 350	0.32-0.34	250	4.5	5.0	5.0	5.0	5.0
251-350	0.29-0.32	200	3.0	4.0	4.5	4.5	4.5
201-250	0.27-0.30	150	2.5	2.5	3.0	3.0	3.0
141-200	0.25-0.29	125	1.5	1.5	2.0	2.0	2.0
105-140	0.22-0.28	100	1.0	1.5	1.5	1.5	1.5
SPACE COOLING SYSTEMS (CHILLED WATER, REFRIGERANT AND BRINE)							
40-60	0.21-0.27	75	0.5	0.75	0.5	0.75	1.0
BELOW 40	0.20-0.26	50	1.0	1.5	1.5	1.5	1.5

PLUMBING FIXTURE SCHEDULE

SYMBOL	MAKE	NUMBER	DESCRIPTION/TRIM	SUPPORT	MATERIAL	LOCATION
WC-1 ACCESSIBLE	KOHLER	K-84325-0 KINGSTON	FLUSH VALVE WATER CLOSET WITH ELONGATED BOWL, TOP SPUD.	WALL	VIT. CHINA	---
	SLOAN VALVE (MANUAL)	ROYAL 111-1.28	MANUAL LOW CONSUMPTION FLUSH VALVE (1.28 GPF),			
	BENEKE 523SS OPEN FRONT WHITE SEAT. PROVIDE SUPPLY AND STOP, COMMERCIAL CLOSET CARRIER. MOUNTING HEIGHT PER ARCHITECTURAL PLANS, FLUSH VALVE LEVER ON WIDE SIDE OF STALL.					
L-1 ACCESSIBLE	KOHLER	K-2005 KINGSTON	LAVATORY, 21-1/4" X 18-1/2" X 4-3/8", 4" CENTERS. PROVIDE "CHICAGO" 327-XCP FLAT GRID STRAINER, P-TRAP, SUPPLIES AND STOPS, AND COMMERCIAL FLOOR MOUNTED WALL CARRIER WITH CONCEALED ARMS.	WALL PROVIDE MIFAB CONCEALED ARM CARRIER	VIT. CHINA	---
	AMERICAN STANDARD FAUCET (MANUAL)	7075.056 COLONY	HOT AND COLD SUPPLY, METAL LEVER HANDLE. 0.5 GPM PRESSURE COMPENSATING VANDAL RESISTANT SPRAY. 4" CENTERS.			
	THERMOSTATIC MIXING VALVE, INTEGRAL CHECK VALVES, MOUNTING BRACKET, LEAD FREE, 0.25 GPM MIN. FLOW, LOCKING TEMPERATURE REGULATOR, 3/8" INLETS, 3/8" OUTLET, SET AT A MAX. TEMP. OF 110° F			BRACKET		
KS-1 ACCESSIBLE KITCHEN	ELKAY	LRADQ291865 -PD	TWO COMPARTMENT SINK, 29" X 18" X 6-1/2" DEPTH, 12" X 12" BOWL SIZE, 18 GAUGE TYPE 304 STAINLESS STEEL, 4" CENTERS, CENTER DRAIN LOCATION, TOP MOUNT WITH "PERFECT DRAIN". PROVIDE P-TRAP, SUPPLIES AND STOPS.	COUNTER	STAINLESS STEEL	---
	INSINKERATOR	EVOLUTION COMPACT	FOOD WASTE DISPOSER, MULTI GRIND. PROVIDE WITH INSINKERATOR "QUICK LOCK" MOUNTING CONFIGURATION.			
	CHICAGO FAUCET (MANUAL)	895-317GN2 AE29ABCP	HOT AND COLD SUPPLY, 4" CENTERS, GOOSENECK RIGID/WING SPOUT, 4" WRIST BLADES, 1.5 GPM AERATOR.			
	THERMOSTATIC MIXING VALVE, INTEGRAL CHECK VALVES, MOUNTING BRACKET, LEAD FREE, 0.25 GPM MIN. FLOW, LOCKING TEMPERATURE REGULATOR, 3/8" INLETS, 3/8" OUTLET, SET AT A MAX. TEMP. OF 110° F			BRACKET		
HB	ACORN	8121-CR	HOSE BIBB (INTERIOR) W/ INTEGRAL VACUUM BREAKER.	WALL	ROUGH BRONZE	---
AP	ACORN	8292	10-1/2" x 10-1/2" ACCESS DOOR WITH CYLINDER LOCK	WALL	STAINLESS STEEL	---
WHA	SIoux CHIEF	---	PISTON OPERATED WATER HAMMER ARRESTER. SIZE AS RECOMMENDED BY MANUFACTURER.	---	LEAD FREE	---
FD	ZURN	Z415B	FLOOR DRAIN (CONCRETE FLOOR) - SEE PLAN FOR SIZE, CAST IRON P-TRAP.	---	CAST IRON BODY W/ NICKEL-BRONZE STRAINER	---
	Z415S	FLOOR DRAIN (TILE FLOOR) - SEE PLANS FOR SIZE, CAST IRON P-TRAP.				
	Z415SL	FLOOR DRAIN (COMPOSITION TYPE FLOOR) -SEE PLAN FOR SIZE, CAST IRON P-TRAP.				
	Z415BL	FLOOR DRAIN (EPOXY TYPE FLOOR) -SEE PLAN FOR SIZE, CAST IRON P-TRAP.				

PLUMBING LEGEND

---S---	SANITARY SEWER (SS)	⊕	BALL VALVE
-----	SANITARY VENT (V)	⊕	CHECK VALVE
---CW---	COLD WATER (CW)	⊕	BALANCING VALVE
---HW---	HOT WATER (140° F) (HW)	⊕	UNION
---HWR---	HOT WATER RETURN (140° F) (HWR)	HW	HOT WATER
---CD---	CONDENSATE DRAIN	HW,D/R	HOT WATER DROP/RISER
●	POINT OF DEMOLITION	MV	MIXING VALVE
○	POINT OF CONNECTION	(N)	NEW
ABC	ABOVE CEILING	PSI	POUNDS PER SQUARE INCH
ADA	AMERICAN DISABILITIES ACT	SMD	SEE MECHANICAL DRAWINGS
AFF	ABOVE FINISH FLOOR	SAD	SEE ARCHITECTURAL DRAWINGS
AFG	ABOVE FINISH GRADE	SPD	SEE PLUMBING DRAWING
BFF(G)	BELOW FINISH FLOOR (GRADE)	SOC	SHUT OFF COCK
BY	BALL VALVE	SOV	SHUT OFF VALVE
CD	CONDENSATE DRAIN	TP(C)	TRAP PRIMER (CONNECTION)
CD,D	CONDENSATE DRAIN DROP	TYP	TYPICAL
CO	CLEAN OUT	UF	UNDER FLOOR
CW	COLD WATER	US	UNDER SLAB
CW,D/R	COLD WATER DROP/RISER	VB	VALVE BOX
(E)	EXISTING	V	VENT
FA	FROM ABOVE	V,R	VENT RISER
FB	FROM BELOW	VTR	VENT THRU ROOF
FCO	FLOOR CLEANOUT	WCO	WALL CLEANOUT
		SS	SANITARY SEWER
		SS,D	SANITARY SEWER DROP
		WHA	WATER HAMMER ARRESTER

PLUMBING GENERAL NOTES

- PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL FIXTURES WHITE UNLESS OTHERWISE NOTED.
- PROVIDE FLOW CONTROL DEVICES ON LAVS AND SINKS PER T-24, PART 5, CCR.
- ALL FIXTURES SHALL BE PROVIDED WITH STOP VALVES. VALVES MAY BE IN SUPPLY PIPES OR INTEGRAL WITH SUPPLY FITTINGS.
- WHERE FLUSHMETER VALVE CONFLICTS WITH GRAB BARS, CONTRACTOR SHALL MODIFY VACUUM BREAKER TUBE TO ENSURE VALVE AND GRAB BAR ARE ADEQUATELY SEPARATED.
- CONTRACTOR SHALL COORDINATE ALL PLUMBING LINE LOCATIONS WITH OTHER TRADES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIXTURES AND MOUNTING HEIGHTS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL COSTS INVOLVED.
- INSULATE HOT & COLD WATER SUPPLY PIPES, STOPS, P-TRAP AND DRAIN LINE AT EACH ADA LAVATORY AND SINK WITH ANTI-MICROBIAL, SEAMLESS, VANDAL RESISTANT PROTECTIVE PIPE COVER "PROWRAP" OR EQUAL.
- ALL PIPE PENETRATIONS THROUGH ROOF SHALL BE FLASHED SIMILAR TO VTR'S.
- ALL SANITARY SEWER VENT PIPE PENETRATIONS THROUGH ROOF SHALL TERMINATE AT A MINIMUM DISTANCE OF 10' FROM ANY FRESH AIR INTAKE.
- MINIMUM LOCAL CONNECTION SIZES SHALL BE MADE IN ACCORDANCE WITH THE SCHEDULE OF CONNECTIONS.
- ALL WATER PIPING SIZED IN ACCORDANCE WITH 2022 CPC, APPENDIX A.
- GAS PIPING SIZED IN ACCORDANCE WITH TABLE 1216.2, 2022 CPC. FOR XXXX MBH AND A MAXIMUM LENGTH OF XXXX'.
- ALL WASTE, WATER, FIRE AND STORM DRAIN PIPING SHALL BE STUBBED 5' OUTSIDE BUILDING TO CONNECTION POINT SHOWN. SEE CIVIL DRAWINGS FOR CONTINUATION. CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO SITE PIPING.
- COORDINATE ALL TRENCHING WITH CONTRACTOR.
- ALL HOSE BIBBS SHALL BE 3/4" AND MOUNTED AT 12" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. ALL HOSE BIBBS SHALL HAVE A NON-REMOVABLE VACUUM BREAKER.
- CONTRACTOR SHALL VERIFY LOCATION AND ADEQUACY OF SIZE AND DEPTH OF EXISTING PLUMBING UTILITIES PRIOR TO COMMENCEMENT OF ANY WORK OR ORDERING ANY MATERIALS.
- PROVIDE MATERIALS IN ACCORDANCE WITH 2022 CALIFORNIA PLUMBING CODE AND STATE CODE REGULATIONS.
- CONTRACTOR SHALL SAWCUT AND PATCH EXISTING SLAB AS REQUIRED FOR INSTALLATION OF THE PIPING SYSTEM.
- SEISMIC SUPPORTS AND BRACING FOR ALL PIPING SHALL BE PROVIDED IN ACCORDANCE WITH 2022 CBC SECTION 1613, LATEST EDITION OF ASCE7; SECTION 13.6.1 AND NFPA 13 STANDARDS FOR SUPPORT AND ANCHORAGE. METHODS AND MATERIALS PUBLISHED BY SMACNA AND APPROVED BY STATE AGENCIES SHALL BE USED.
- THE CONDENSATE DRAIN RECEPTACLE (CDR) AND ASSOCIATED WASTE AND VENT PIPING IS NOT REQUIRED AT SITES WHERE THE ROOF DRAINS CONNECT TO A STORM DRAIN SYSTEM. CD LINES FROM ROOFTOP MECHANICAL EQUIPMENT MAY SPILL OVER ROOF DRAINS WITH A TURNED-DOWN ELBOW.
- THE WATER CLOSET CONTROLS (FLUSH HANDLE) MUST BE LOCATED ON THE CLEAR/ WIDE SIDE OF THE ACCESSIBLE WATER CLOSETS.
- A SEPARATE FIRE PLAN CHECK SUBMITTAL AND FIRE PERMIT IS REQUIRED FOR WORK BEING CONDUCTED ON THE AUTOMATIC SPRINKLER SYSTEM. PLANS AND CALCULATIONS SHALL BE SUBMITTED TO THE LOCAL ADMINISTRATIVE AUTHORITY HAVING JURISDICTION (FIRE INSPECTOR/ PLAN CHECKER) FOR PLAN CHECK APPROVAL. A PERMIT SHALL BE ACQUIRED.
- HAZARDOUS AND COMBUSTIBLE MATERIAL LINES (E.G. GAS LINES) GREATER THAN 1" IN DIAMETER AND NON-HAZARDOUS LINES (E.G. WATER LINES) GREATER THAN 3" IN DIAMETER REQUIRE SEISMIC BRACING PER 2022 CBC SECTION 1617A.1.26. ACCEPTABLE SEISMIC BRACING DETAILS INCLUDE THOSE SHOWN IN THE EATON/COOPER B-LINE OPM-0052-13 WITH 2022 REVISIONS OR MASON INDUSTRIES OPM-0043-13 WITH 2022 REVISIONS. CONTRACTOR TO CONFIRM BRACING DETAILS WITH DESIGN TEAM.
- ANY HORIZONTAL DRAINAGE PIPE SERVING SINKS OR URINALS SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPPER TERMINAL PER CPC 2022 707.4. A CLEANOUT SHALL BE FURNISHED ABOVE THE FIXTURE CONNECTION FITTING SERVING EACH URINAL, REGARDLESS OF THE LOCATION OF THE URINAL IN THE BUILDING.
- WHERE EXISTING FIXTURES ARE BEING REMOVED, THE CONTRACTOR SHALL INCLUDE THE REMOVAL OF ALL SUPPORT MECHANISMS SUCH AS CARRIERS, SUPPORT PLATES, PEDESTALS, ETC. AND SHALL PROVIDE DEMOLITION OF WALLS, FLOOR AND CONCRETE CURBS AS NECESSARY WHERE NEW FIXTURES ARE TO BE INSTALLED. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF NEW CHAIR CARRIERS AND PEDESTAL SUPPORTS WITH THE NEW PLUMBING FIXTURE AND WITH ARCHITECTURAL AND STRUCTURAL.
- A CLEANOUT IS REQUIRED ON ALL RAINWATER AND OVERFLOW LEADERS AT THE BASE OF THE LEADER BEFORE IT DROPS BELOW GRADE TO CONNECT TO THE HORIZONTAL DRAIN. CLEANOUTS SHALL ALSO BE INSTALLED ON LEADERS AT INTERVALS NOT TO EXCEED 100 FEET IN STRAIGHT HORIZONTAL RUNS, AND FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES.

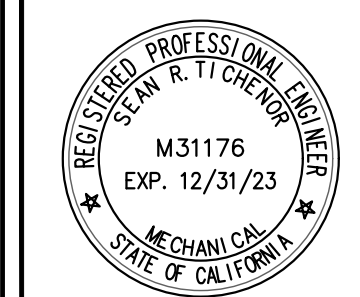
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FAUCETS SVCS - STRUCTURAL		
FAUCETS SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATIONS & MAINTENANCE
 PLAN CHECK COMMITTEE CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____



PRESSEY ASSOCIATES
 AN ARCHITECTURAL CORPORATION

2015 H St., THIRD FLR.
 Sacramento, CA 95811
 Tel 916-346-4280

PLOT DATE: 11/28/2023

PETERS engineering
 consulting mechanical and electrical engineers

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 Sacramento, CA 95826
 Tel (916) 447-2841
 www.peterseng.com
 Job no. 23-060

CALIFORNIA STATE FIRE MARSHAL APPROVED
 PANIC AND LIFE SAFETY ONLY
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be on the project site at all times.

Reviewed by: _____
 DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
 ACCESS COMPLIANCE
 XX-XXXX

APPROVAL: _____
 CHRIS D. ADAMSON, CASD
 DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

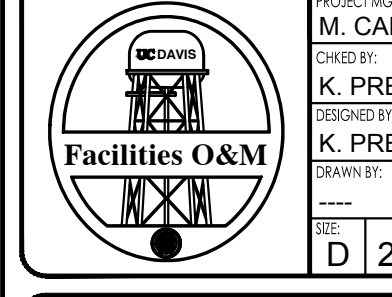
REV	DATE	DESCRIPTION	BY	CHECK

PROJECT TITLE

COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

DRAWING TITLE

SYMBOLS & NOTES



PROJECT MGR	PROJECT NO.	DRAWING NO.
M. CARSON	23025	P0.1
CHIEF BY K. PRESSEY	CHAM	ZONE
DESIGNED BY K. PRESSEY	3788	D037
DRAWN BY	SCALE	REV
DATE D 22 x 34	MAY 30, 2012	SHEET OF

CAD FILE NO. _____ REVISION NO. _____

S:\23,060 LCD Coffee House Expansion\Drawings\Plumbing\001 SYMBOLS & NOTES.dwg, 11/28/2023 2:35:44 PM, jgitterrez, 1:1

ABBREVIATION LIST

⊙	AT	TELEPHONE
A	AMPERE	TGB TELECOMMUNICATIONS GROUNDING
AC	ALTERNATING CURRENT	BUSBAR
A/C	AIR CONDITIONING	TMGB TELECOMMUNICATIONS MAIN
AER	ARC ENERGY REDUCTION	GROUNDING BUSBAR
AF	AMP FRAME RATING OR AMP FUSE SIZE	TTB TELEPHONE TERMINAL BOARD
		TYP TYPICAL
AFF	ABOVE FINISHED FLOOR	UC UNDERGROUND
AHJ	AUTHORITY HAVING JURISDICTION	UON UNLESS OTHERWISE NOTED
AIC	AMPERES INTERRUPTING CAPACITY	V VOLTS
AS	AMP SWITCH RATING	WAP WIRELESS ACCESS POINT
AT	AMP TRIP SETTING	WP WEATHERPROOF
AWG	AMERICAN WIRE GAUGE	WT WEIGHT
BC	BARE COPPER	W WAIT
BD	BOARD	W/ WITH
BFC	BELOW FINISHED CEILING	W/ TRANSFORMER
BRKR	BREAKER	& AND
BLDG	BUILDING	
BPS	BOOSTER POWER SUPPLY	
C	CONDUIT	
C/B	CIRCUIT BREAKER	
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	
CIRC	CIRCUIT	
CLG	CEILING	
CO	CONDUIT ONLY, WITH PULL LINE	
CONT	CONTINUOUS	
CU	COPPER	
CWP	METALLIC COLD WATER PIPE	
(D)	DEMOLISH	
DC	DIRECT CURRENT	
DISC	DISCONNECT	
DP	DISTRIBUTION PANEL	
(E)	EXISTING	
E/W	EACH WITH	
EA	EACH	
EL	EVENING LIGHT	
ELEC	ELECTRIC	
EM	EMERGENCY	
EMT	ELECTRICAL METALLIC TUBING	
EOL	END OF LINE DEVICE	
EQUIP	EQUIPMENT	
(ER)	EXISTING RELOCATED	
ETU	ELECTRONIC TRIP UNIT	
EWC	ELECTRICAL WATER COOLER	
EWH	ELECTRIC WATER HEATER	
(F)	FUTURE	
FACP	FIRE ALARM CONTROL PANEL	
FAEP	FIRE ALARM EXTENDER PANEL	
FATC	FIRE ALARM TERMINAL CABINET	
FBO	FURNISHED BY OTHERS	
FLUOR	FLUORESCENT	
FT	FOOT	
GA	GAUGE	
GFCI	GROUND FAULT CIRCUIT INTERRUPT	
GLZ	GENERAL LIGHTING ZONE	
GND	GROUND	
GP	METALLIC GAS PIPE	
GYP	GYPSUM	
HID	HIGH INTENSITY DISCHARGE	
HP	HORSE POWER	
HT	HEIGHT	
HZ	HERTZ	
IMC	INTERMEDIATE METALLIC CONDUIT	
IN	INCH	
ISC	SHORT CIRCUIT CURRENT (RMS SYMMETRICAL)	
ISO	ISOLATED	
J-BOX	JUNCTION BOX	
KOML	THOUSAND CIRCULAR MILLS	
KVA	KILO VOLT AMP	
KW	KILOWATT	
LC	LIGHTING CONTROL PANEL	
LV	LOW VOLTAGE	
MCM	THOUSAND CIRCULAR MILLS	
MECH	MECHANICAL	
MDP	MAIN DISTRIBUTION PANEL	
MH	METAL HALIDE	
MISC	MISCELLANEOUS	
MLO	MAIN LUGS ONLY	
MPOE	MAIN POINT OF ENTRY	
MSB	MAIN SWITCHBOARD	
(N)	NEW	
NIC	NOT IN CONTRACT	
NIES	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECS.	
NL	NIGHT LIGHT	
NO, #	NUMBER	
NTS	NOT TO SCALE	
OC	ON CENTER	
OFCI	OWNER FURNISHED, CONTRRACTOR INSTALLED	
OFOI	OWNER FURNISHED, OWNER INSTALLED	
P	POLE	
PB	PULL BOX	
PFB	PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE	
PDZ	PRIMARY DAYLIT ZONE	
PFCT	PROVISION FOR FUTURE CURRENT TRANSFORMER	
PH, Ø	PHASE	
PLYWD	PLYWOOD	
PNL	PANEL	
PR	PAIR	
PVC	POLYVINYL CHLORIDE CONDUIT	
(R)	EXISTING RELOCATED	
REQ'D	REQUIRED	
RM	ROOM	
RMC	RIGID METAL CONDUIT	
(RR)	REMOVE AND REPLACE	
SDZ	SECONDARY DAYLIT ZONE	
SKZ	SKYLIGHT DAYLIT ZONE	
SPEC	SPECIFICATION	
STC	SIGNAL TERMINAL CABINET	
SQ	SQUARE	
SW	SWITCH	

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE AHJ APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED AND BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/20 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY THE AHJ.

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

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP □ MD □ PP □ E □	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
MP □ MD □ PP □ E □	OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____

SYMBOLS LIST NOTES:

- MOUNT SWITCH BOXES AT +48" TO TOP OF BOX UNLESS OTHERWISE NOTED.
- MOUNT OUTLET BOXES AT +16" TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
- "A" ADJACENT TO OUTLET INDICATES OUTLET BOX TO BE MOUNTED ABOVE COUNTER. COORDINATE WITH COUNTER HEIGHT AND DEPTH PRIOR TO ROUGH IN. MOUNT OUTLET ABOVE COUNTERS AT:
 - +46" MAX TO TOP OF BOX WHERE BOX IS INSTALLED OVER BASE CABINET.
 - +44" MAX TO TOP OF BOX WITH OPEN COUNTERS WITH FORWARD APPROACH.
- OUTLET BOXES SHALL BE:
 - WALL MOUNTED - 4" SQ. x 2-1/8" DEEP MINIMUM
 - CEILING MOUNTED - 4" SQ. OR 4" OCT. x 2-1/8" DEEP MINIMUM
- OUTLET BOXES REQUIRING 1-1/4", 1-1/2" OR 2" CONDUITS SHALL BE 4-11/16" x 3-1/4" DEEP MINIMUM.
- FLUSH MOUNTED OUTLET BOXES SHALL UTILIZE TRIM RINGS. COORDINATE TRIM RING DEPTH WITH WALL FINISH PRIOR TO ROUGH-IN.
- NO CROSSBARS ON CONDUIT RUN INDICATES MINIMUM 3/4" CONDUIT (OR SURFACE RACEWAY EQUIVALENT), TWO #12 CU CONDUCTORS PLUS 1#12 CU GND. CROSSBARS INDICATE NUMBER OF #12 CU CONDUCTORS IN CONDUIT. CONDUCTOR SIZES OTHER THAN #12 NOTED ON DRAWINGS. INCREASE CONDUIT SIZE AS REQUIRED TO ACCOMMODATE C.E.C. WIRE FILL REQUIREMENTS. INCLUDE ADDITIONAL BOND WIRE IN ALL PVC AND FLEXIBLE CONDUIT. LONG CROSSBAR INDICATES NEUTRAL CONDUCTOR, SHORT CROSSBARS INDICATE PHASE CONDUCTORS.
- INCREASE BRANCH CIRCUIT CU CONDUCTOR SIZES AS REQUIRED BY THE 120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART BELOW. USE CONDUCTOR LENGTHS AS FIELD MEASURED, BASED UPON MEASURED FIELD ROUTING LENGTHS. INCREASE MINIMUM CONDUIT SIZE AS REQUIRED TO ACCOMMODATE A MAXIMUM 40% CONDUCTOR FILL OF THE BRANCH CIRCUIT CONDUCTORS. WHERE NECESSARY, PROVIDE A JUNCTION BOX AT ACCESSIBLE CEILING SPACE TO CONVERT THE LAST 15 FEET OF CONDUCTORS TO #10 AWG TO ACCOMMODATE TERMINATION OF CONDUCTORS AT WIRING DEVICES, LIGHTING FIXTURES, CIRCUIT BREAKER, ETC.
- INSTALL CU GROUND CONDUCTOR IN ALL BRANCH CIRCUITS FOR LIGHT FIXTURES AND POWER DEVICES.

120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART

LOAD IN VOLT AMPERES	LENGTH OF CONDUCTOR				
	WIRE SIZE IN (GAUGE)				
	#12	#10	#8	#6	#4
1200VA	74	121	183	284	434
1560VA	57	93	141	218	334
1800VA	49	81	122	189	289
1920VA	46	76	115	178	271
2340VA	X	62	94	146	223
2880VA	X	51	76	118	181
3000VA	X	48	73	114	174
3900VA	X	X	56	87	134
4800VA	X	X	46	71	108

- NOTES
- THIS CHART IS FOR COPPER CONDUCTORS ONLY.
 - THIS CHART ASSUMES AN 80% POWER FACTOR AND STEEL RACEWAYS.
 - 2022 CALIFORNIA ENERGY CODE, 130.5(c) ALLOWS A MAXIMUM COMBINED VOLTAGE DROP OF 5%. THIS CHART ASSUMES A MAXIMUM DROP OF 3% FOR FEEDERS. THIS CHART PROVIDES THE MAXIMUM LENGTH OF CONDUCTORS FOR LESS THAN 2% VOLTAGE DROP ON A BRANCH CIRCUIT AT GIVEN VA LOAD.
 - USE WIRE SIZE FROM THIS CHART UNLESS LARGER CONDUCTOR SIZES ARE NOTED ON THE DRAWINGS.
 - FOR VA VALUES NOT SHOWN USE NEXT HIGHEST VALUE FROM THE CHART

SYMBOLS LIST

A2	LED, FLUORESCENT (CONTROLLED BY SWITCH "a") APPLIES TO OR HID FIXTURE {CONNECTED TO CIRCUIT 2} ALL FIXTURES FIXTURE TYPE A2
○	LED, FLUORESCENT OR HID FIXTURE - WALL MOUNTED
□	LED, FLUORESCENT OR HID FIXTURE - CEILING RECESSED
□	LED, FLUORESCENT FIXTURE - SEE FIXTURE SCHEDULE FOR MOUNTING
□	LED, FLUORESCENT FIXTURE - WALL MOUNTED
⊗	EXIT LIGHT FIXTURE
■	SHADING INDICATES FIXTURE HAS EMERGENCY BATTERY BACKUP
□	SITE LIGHTING FIXTURE AND POLE
○	BOLLARD AND/OR POLE TOP LIGHT FIXTURE
⊕	GROUND MOUNTED FLOODLIGHT FIXTURE
⊕	SINGLE POLE SWITCH
\$2	TWO POLE SWITCH
\$3	THREE WAY SWITCH
\$4	FOUR WAY SWITCH
\$K	KEYED SWITCH
\$LV	LOW VOLTAGE SWITCH
\$M	MANUAL MOTOR CONTROL SWITCH
\$F	FAN / LIGHT / NIGHT LIGHT SWITCH, PER MECHANICAL
\$OS	WALL MOUNTED OCCUPANCY AUTO-OFF LIGHT SWITCH
⊞	DIMMER SWITCH WITH OCCUPANCY SENSOR, LINE VOLTAGE
⊞	DIMMER SWITCH, LOW VOLTAGE
⊞	CEILING MOUNTED OCCUPANCY AUTO-OFF LIGHT SWITCH. INSTALL PER MANUFACTURER REQUIREMENTS.
⊞	CEILING MOUNTED DAY LIGHT SENSOR. INSTALL PER MANUFACTURER REQUIREMENTS.
⊞	ROOM CONTROLLER. INSTALL PER MANUFACTURER REQUIREMENTS.
⊞	LOW VOLTAGE PUSH BUTTON DOOR BELL
⊞	LOW VOLTAGE TRANSFORMER FOR DOOR BELL
⊞	DOOR BELL. COORDINATE WITH ARCHITECT
⊞	FUSED DISCONNECT SWITCH
⊞	DUPLEX CONVENIENCE OUTLET
⊞	DOUBLE DUPLEX CONVENIENCE OUTLET
⊞	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET
⊞	GROUND FAULT CIRCUIT INTERRUPTER DOUBLE DUPLEX OUTLET
⊞	SPLIT DUPLEX OUTLET WITH: ONE CONVENIENCE OUTLET ONE CONTROLLED OUTLET
⊞	DOUBLE DUPLEX OUTLET WITH: ONE DUPLEX CONVENIENCE OUTLET ONE CONTROLLED DUPLEX OUTLET
⊞	ISOLATED GROUNDING DUPLEX OUTLET
⊞	DOUBLE DUPLEX ISOLATED GROUNDING OUTLET
⊞	EMERGENCY DUPLEX OUTLET
⊞	EMERGENCY DOUBLE DUPLEX OUTLET
⊞	SPECIAL OUTLET TO MATCH CAP PROVIDED WITH MACHINE
⊞	FLUSH FLOOR BOX OR "POKE-THRU" UNIT EQUIPPED WITH FLUSH OR PEDESTAL DUPLEX RECEPTACLE AND VOICE/DATA OUTLETS AS NOTED, OR REFER TO SCHEDULE ON DRAWINGS.
⊞	PLUGMOLD/WIREMOLD RECEPTACLE SYSTEM
⊞	TRANSFORMER
⊞	JUNCTION BOX, SIZE AS REQUIRED BY CODE
⊞	FLEX CONNECTION TO FIXTURE
⊞	TELEPHONE OUTLET
⊞	DATA OUTLET
⊞	TELEPHONE/DATA OUTLET
⊞	PANELBOARD, RECESSED MOUNTED
⊞	PANELBOARD, SURFACE MOUNTED
⊞	MAIN SWITCHBOARD
⊞	TERMINAL CABINET, RECESSED MOUNTED
⊞	TERMINAL CABINET, SURFACE MOUNTED
⊞	HOMERUN TO PANELBOARD OR RESPECTIVE TERMINAL
⊞	CONDUIT RUN CONCEALED IN CEILING OR WALL, SEE SYMBOLS LIST NOTES
⊞	CONDUIT RUN UNDERGROUND OR UNDER FLOOR
⊞	EMERGENCY SYSTEM CONDUIT AND WIRES
⊞	INSULATED GREEN GROUND CONDUCTOR
⊞	INSULATED ISOLATED GROUND CONDUCTOR, GREEN WITH TRACER STRIPE
⊞	CONDUIT RISER
⊞	EXISTING EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHOWN LIGHT. NEW OR RELOCATED EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHOWN DARK.
⊞	EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED
⊞	WIREMOLD SURFACE RACEWAY(S) WITH OUTLETS AS SHOWN OR NOTED, SEE SURFACE RACEWAY SCHEDULE
①	SYMBOLS REFERRING TO KEYED NOTES ON SAME SHEET
⊞	MECHANICAL EQUIPMENT BY OTHERS, CONNECTED BY ELECTRICAL CONTRACTOR
⊞	DETAIL DESIGNATION, "A" SIGNIFIES DETAIL, "E-1" SIGNIFIES SHEET NUMBER
①)-1/2"⊞	INDICATES SIZE OF CONDUIT = ONE AND ONE HALF INCH CONDUIT
⊞	NUMBER WITHIN PARENTHESIS INDICATES QUANTITY OF CONDUITS

STAMPS / APPROVALS

DEPARTMENT/ACTIVITY	SIGNATURE	DATE
REQUIRING DEPARTMENT		
FAILITIES SVCS - ELECTRICAL		
FAILITIES SVCS - MECHANICAL		
FAILITIES SVCS - STRUCTURAL		
FAILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

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PRESSEY ASSOCIATES

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Reviewed by: _____
DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE
XX-XXXX
APPROVAL: _____
CHRIS D. ADAMSON, CASD
DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
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REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

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DAVIS, CA 95616

DRAWING TITLE

SYMBOLS & NOTES

	PROJECT MGR M. CARSON	PROJECT NO. 23025	DRAWING NO. E0.1	
	CREATED BY K. PRESSEY	DATE 3/7/24	SCALE D037	REV. -
	DESIGNED BY K. PRESSEY	SCALE ---	DATE MAY 30, 2012	BY -
	DRAWN BY ---	SCALE ---	DATE ---	BY -
	REV. D	DATE 22 x 34	DATE MAY 30, 2012	BY -

CAD FILE NO: _____ FILE NUMBER: _____

GENERAL NOTES

- PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- A METHOD OF PROCEDURE (MOP) IS MANDATORY AND SHALL BE PROVIDED FOR THIS JOB. WORK SHALL NOT BE STARTED WITHOUT AN APPROVED/SIGNED MOP.
- ALL WORK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER AS PRESCRIBED BY _____.
- PROTECT EXISTING EQUIPMENT AND FURNISHINGS FROM ANY DAMAGE DUE TO DUST, MOISTURE OR CONTACT WITH WORK CREW OR MATERIALS.
- _____ SHALL BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY POWER SHUTDOWN OF EXISTING PANELS OR SERVICE. SCHEDULE OF SHUTDOWNS SHALL BE AT CONVENIENCE OF _____ MAY, AT THEIR OPTION, HAVE A REPRESENTATIVE PRESENT DURING SHUTDOWN. ALL WORK REQUIRING SHUTDOWNS OF EXISTING PANELS OR SERVICE SHALL BE DONE BETWEEN 12:00 AM MIDNIGHT AND 6:00AM WEEKDAYS OR ON SATURDAY AND SUNDAY. REQUIRED SHUTDOWNS SHALL BE KEPT TO A MINIMUM.
- ADEQUATELY STRAP AND SUPPORT ALL CONDUIT WORK PER SEC. IN GENERAL, SUPPORT ALL CONDUIT WITHIN THREE FEET (3') OF OUTLET BOX, CABINET OR PANEL AND MAXIMUM TEN FEET (10') ON CENTER THEREAFTER.
- CORE BORE SHALL BE 1" DIAMETER LARGER THAN EACH CONDUIT. SPACE CONDUIT HOLES 3" APART. SEAL AROUND CONDUIT WITH NON-SHRINK, NON-METALLIC GROUT.
- ALL CONDUCTORS INSTALLED IN PANELBOARDS SHALL BE TRAINED, LACED, AND INSTALLED WITH PHASE TAPE ON ALL CONDUCTORS.
- LABEL DEVICES (I.E. RECEPTACLES, ETC.) ON EACH COVER PLATE IDENTIFYING CIRCUIT AND PANEL DEVICE IS CONNECTED TO.
- CLEAN ALL EXTERIOR AND INTERIOR SURFACES OF PANELS AND ALL MATERIAL AND METAL SHAVINGS FROM PANEL AND CABINET INTERIORS. ALL OPENINGS SHALL BE SEALED AND APPLY TOUCH-UP SPRAY PAINT WHERE NEEDED.
- FIELD COORDINATE DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- CONTRACTOR WILL PROVIDE WARNING LABELS NOTING THE POTENTIAL FOR ELECTRIC ARC FLASH HAZARDS PER CEC 110.16. PROVIDE LABELS ON EQUIPMENT SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, MOTOR CONTROL CENTERS, MOTOR STARTER / CONTACTOR PANELS, DISCONNECTS, ETC..
 - CONTRACTOR TO PROVIDE BREAKER COORDINATION STUDY COMPLETE WITH BREAKER SETTINGS.
 - CONTRACTOR WILL PROVIDE ARC FLASH LABELS FOR ELECTRICAL POWER PANELS INCLUDED IN THE PROJECT SCOPE IN ACCORDANCE WITH NFPA 70E AND SPECIFICATION SECTION 26 05 73 'OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY'. THE ARC-FLASH LABELS MESSAGE OR CONTENT SHALL BE PROVIDED BY THE CONTRACTOR.
- INSTALLATION SHALL COMPLY WITH CEC 210.4 - EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMMON NEUTRAL SHALL BE CAPABLE OF SIMULTANEOUS DISCONNECT OR DEDICATED NEUTRALS SHALL BE INSTALLED.
- SUPPORT ENCLOSURES, BOXES AND CONDUIT INSTALLATIONS PER CEC 314.23 (A) THROUGH (H).
- SEAL CONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR. WHERE EQUIPMENT IS INSTALLED ON THE EXTERIOR WALL, STUB CONDUITS THROUGH WALL AND SEAL CONDUIT OPENINGS, THEN INSTALL EXTERIOR EQUIPMENT. ALSO, SEAL AROUND THE PERIMETER EDGE OF THE EQUIPMENT ENCLOSURE BETWEEN THE ENCLOSURE AND BUILDING.
- RACEWAY SEALS. ALL RACEWAYS ENTERING/EXITING A BUILDING SHALL BE SEALED AT BOTH ENDS TO PREVENT MOISTURE AND RODENTS FROM ENTERING THE BUILDING. SEALANTS SHALL BE LISTED FOR USE WITH CABLE INSULATION, CONDUCTOR INSULATION, BARE CONDUCTOR, SHIELD, OR OTHER COMPONENTS.
- CONDUITS INSTALLED ON ROOF AND BUILDING EXTERIOR SHALL BE RIGID GALV. STEEL (HEAVY WALL) WITH THREADED FITTINGS. CONDUIT AND WALL TO BE PAINTED OUT TO MATCH EXTERIOR FINISH.
- EXPOSED CONDUITS TRANSITIONING FROM BELOW OR AT GRADE TO A HEIGHT OF 8 FEET AFG SHALL BE RMC OR IMC.
- SPLICES AND TERMINALS SHALL BE COMPRESSION TYPE OF SEAMLESS PURE COPPER, TIN PLATED, LONG BARREL (TERMINALS WITH TWO-HOLE PAD AND INSPECTION WINDOW WITH NEMA DRILLING), AS MANUFACTURED BY BURNDY TYPE YS, YAZ-2N OR EQUAL. CLEAN ALL SURFACES AND INSTALL WITH OXIDE INHIBITING COMPOUND, BURNDY PENTROX-E OR EQUAL. APPLY COMPOUND BETWEEN BUS AND LUG PAD AND BETWEEN CONDUCTOR AND LUG BARREL. INSTALL COMPRESSION CONNECTORS WITH 360° CIRCUMFERENTIAL COMPRESSION DYE, BURNDY HYPRESS OR EQUAL. THE INDENTER OR OTHER TYPE TOOLS WILL NOT BE ACCEPTABLE.
- INSTALL MECHANICALLY FASTENED PHENOLIC NAMEPLATE WITH WHITE LETTERING ON BLACK BACKGROUND ON ALL EQUIPMENT, INCLUDING PULL BOXES, WITH DESCRIPTION INDICATED ON DRAWINGS. NAMEPLATES SHALL READ EXACTLY AS DESCRIBED ON THE DRAWINGS. IN GENERAL NAMEPLATE LETTERING SIZE SHALL BE 3/16" HIGH FOR ALL NAMEPLATES SERVING FEEDER AND BRANCH CIRCUIT BREAKERS. ON MAIN SERVICE PANEL, DISTRIBUTION PANELS AND ALL OTHER NAMEPLATES LETTERING SHALL BE 1/4" HIGH.
 - ALL SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, VFD'S, MOTORS, JUNCTION BOXES, PULL BOXES, DISCONNECT SWITCHES, ETC., SHALL BE MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES PER CEC 408.4, FIELD IDENTIFICATION REQUIRED, (B) SOURCE OF SUPPLY.
- EVERY CIRCUIT SHALL BE IDENTIFIED IN A CIRCUIT DIRECTORY AND AT EACH SWITCH OR CIRCUIT BREAKER PER CEC 408.4, FIELD IDENTIFICATION REQUIRED, (A) CIRCUIT DIRECTORY OR IDENTIFICATION. CIRCUIT DIRECTORIES (NEW AND MODIFIED) SHALL BE TYPE WRITTEN, HAND MADE MODIFICATIONS TO PANEL DIRECTORIES WILL NOT BE ACCEPTABLE. CIRCUIT NUMBERS AT SWITCHES OR CIRCUIT BREAKERS SHALL BE ENGRAVED OR A PERMANENTLY AFFIXED PRE-PRINTED LABELS.
- COORDINATE EQUIPMENT LOCATIONS, CONTROL AND POWER WIRING REQUIREMENTS AND CONNECT POINTS WITH ALL APPLICABLE DISCIPLINES.
- PROVIDE AND INSTALL FUSES PER UNIT NAMEPLATE DATA ON THE EQUIPMENT PROVIDED.
- VERIFY CEILING TYPES PRIOR TO ORDERING LUMINAIRES. CONFIRM THAT FEATURES DESCRIBED IN THE SPECIFICATION OF THE LUMINAIRE ARE INCLUDED AS WELL AS PART NUMBERS LISTED ON SCHEDULE IN THE SUBMITTAL PACKAGE. CLARIFY NOTED DISCREPANCIES WITH ENGINEER PRIOR TO BID.
- ALL ELECTRICAL SYSTEMS (CONTROLLED RECEPTACLES, LIGHTING CONTROLS, INTRUSION, FIRE ALARM, ETC.) SHALL BE PROVIDED AS WIRED SYSTEMS UNLESS THE SYSTEM/PRODUCTS ARE SPECIFICALLY IDENTIFIED AS A WIRELESS PRODUCT TO BE PROVIDED. WIRELESS SYSTEMS WILL NOT BE ACCEPTED AS A SUBSTITUTION FOR A SPECIFIED WIRED SYSTEM/PRODUCT.
- A LAMINATED COPY OF THE FINAL RECORD ONE LINE DIAGRAM SHALL BE PLACED IN ELEC ROOM.
- PROVIDE WIRING DEVICES AND COVER PLATES IN COLOR(S) SELECTED BY ARCHITECT. THE COLOR OF THE WIRING DEVICE AND COVER PLATE SHALL BE THE SAME UNLESS SPECIFICALLY NOTED OTHERWISE.
- RECEPTACLE WEATHERPROOF COVERS SHALL BE LISTED "EXTRA DUTY", LOCKABLE, METAL, IN-USE TYPE.
 - GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLETS INSTALLED OUTDOORS SHALL BE "WEATHER RESISTANT", (WR) LISTED.
- REINSTALL EXISTING ELECTRICAL INSTALLATIONS DISTURBED. CERTAIN EXISTING ELECTRICAL INSTALLATIONS MAY BE LOCATED IN WALLS, CEILINGS OR FLOORS THAT ARE TO BE REMOVED AND ARE ESSENTIAL FOR THE OPERATION OF OTHER REMAINING INSTALLATIONS. WHERE THIS CONDITIONS OCCURS, PROVIDE A NEW EXTENSION OF ORIGINAL CIRCUITS, RACEWAYS, EQUIPMENT AND OUTLETS TO RETAIN SERVICE CONTINUITY. INSTALLATIONS SHALL BE CONCEALED IN FINISHED AREAS. WHERE ELECTRICAL EQUIPMENT, BOXES, DEVICES, AND/OR RACEWAYS ARE REMOVED, PATCH AND PAINT SURFACES TO MATCH ADJACENT FINISH.
- FOR ROOF PENETRATIONS, REFER TO ARCHITECTURAL PLANS FOR INSTALLATION REQUIREMENTS.
- FOR WALL PENETRATION INSTALLATIONS, REFER TO ARCHITECTURAL PLANS FOR REQUIREMENTS.
- PROVIDE "LOCK-ON" DEVICE FOR ALL CIRCUIT BREAKERS ON EMERGENCY DEDICATED CIRCUITS.
- DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC. CONTRACTOR SHALL ACCEPT RESPONSIBILITY IN FAMILIARIZING THEMSELVES WITH ARCHITECTURAL AND STRUCTURAL CONDITIONS ALONG WITH INHERENT SPACE LIMITATIONS. WITH THAT UNDERSTANDING SHALL PROVIDE ALL ITEMS OF LABOR, MATERIALS AND TOOLS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
- PROVIDE SWITCHED/CONTROLLED RECEPTACLES WITH PERMANENT MARKINGS PER THE CALIFORNIA ENERGY CODE. MARKING SHALL BE AS PROVIDED BY THE MANUFACTURER OF THE RECEPTACLE, STAMPED INTO THE FACE (IE, LEVITON #5362-1PW OR EQUAL.) SYMBOL SHALL BE OF CONTRASTING COLOR TO THE DEVICE COLOR.
- PROVIDE DATA SHEETS FOR ALL ELECTRICAL AND LOW VOLTAGE EQUIPMENT (INCLUDING BUT NOT LIMITED TO LIGHTING CONTROLS, FIRE ALARM, INTRUSION ALARM, CCTV, ACCESS CONTROL, INTERCOM, DATA/TELECOMMUNICATIONS AND SOUND REINFORCEMENT SYSTEMS) INCLUDED IN THIS PROJECT FOR REVIEW AND APPROVAL PRIOR TO ORDERING ANY EQUIPMENT OR DEVICES. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL SUBMITTAL REQUIREMENTS.
- SUBMIT SHOP DRAWINGS FOR ALL ELECTRICAL AND LOW VOLTAGE SYSTEMS (INCLUDING BUT NOT LIMITED TO LIGHTING CONTROLS, FIRE ALARM, INTRUSION ALARM, CCTV, ACCESS CONTROL, INTERCOM, DATA/TELECOMMUNICATIONS AND SOUND REINFORCEMENT SYSTEMS) FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF ANY EQUIPMENT, DEVICES, RACEWAY OR WIRING. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL SUBMITTAL REQUIREMENTS.

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUIRING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATIONS & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY ASSOCIATES
 AN ARCHITECTURAL CORPORATION
 2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
 Tel 916-346-4280

PLOT DATE: 11/28/2023

PETERS engineering
 consulting mechanical and electrical engineers
 7750 College Town Dr, Ste. 101
 Sacramento, CA 95826
 Tel (916) 447-2841
 www.peterseng.com
 Job no. 23-060

CALIFORNIA STATE FIRE MARSHAL APPROVED
 PANIC AND LIFE SAFETY ONLY
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be on the project site at all times.

Reviewed by: _____
 DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE

XX-XXXX

APPROVAL: _____
 CHRIS D. ADAMSON, CASD
 DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

DRAWING TITLE

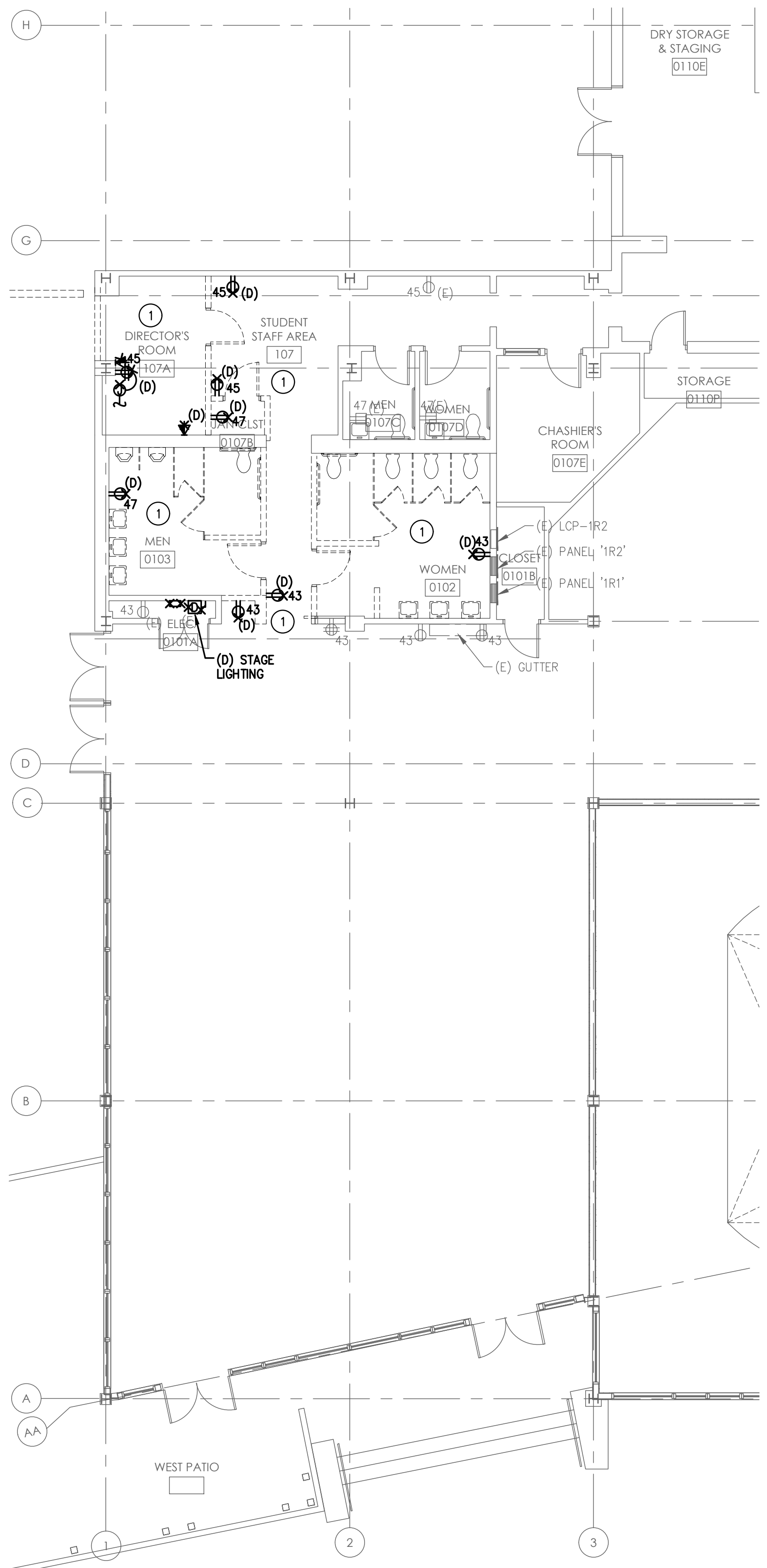
SCHEDULES & NOTES

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: E0.2
	CREATED BY: K. PRESSEY	DATE: 3788	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE:	REV:
	DRAWN BY:	SCALE:	REV:
REV: D	DATE: 22 x 34	DATE: MAY 30, 2012	SHEET: OF:

CAD FILE NO: _____ FILE NUMBER: _____

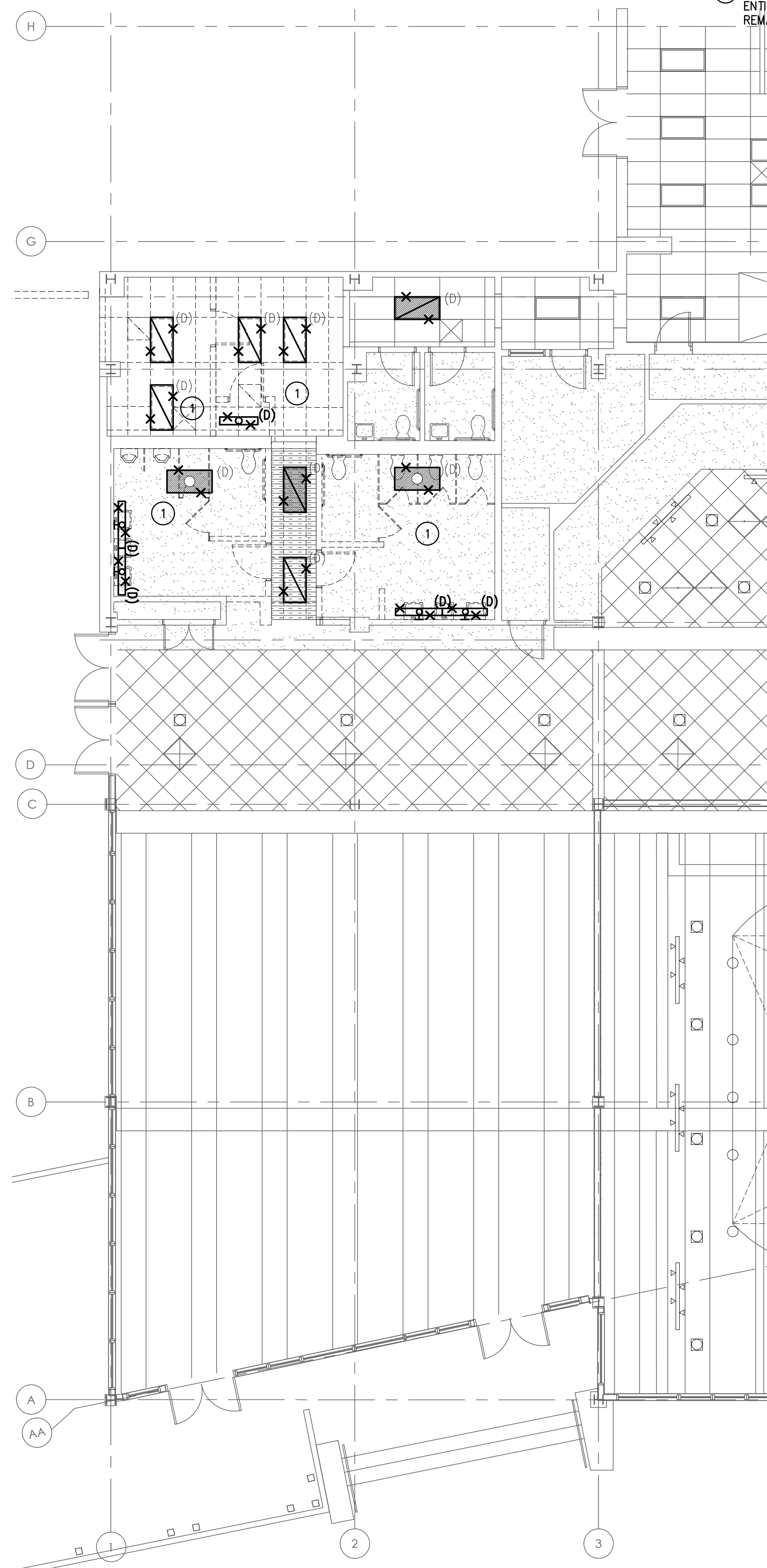
S:\23_060 UCDCoffee House Expansion\Drawings\Electrical\LED.2 SCHEDULES & NOTES.dwg, 11/28/2023 2:57:40 PM, mkoatash, 1:1

S:\23060 LCD Coffee House Expansion\Drawings\Electrical\11 FLOOR PLAN - DEMOLITION.dwg, 11/28/2023 2:58:09 PM, mcvdash, 1:1



1 FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

KEYED NOTES:
1 REMOVE EXISTING RECEPTACLES IN THEIR ENTIRETY. REMOVE EXISTING CONDUIT AND CONDUCTORS BACK TO LAST REMAINING DEVICE OR SOURCE.



2 LIGHTING PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

SHEET NOTES:
1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR REFERENCE ONLY.

KEYED NOTES:
1 REMOVE EXISTING LIGHT FIXTURES AND LIGHTING CONTROLS IN THEIR ENTIRETY. REMOVE EXISTING CONDUIT AND CONDUCTORS BACK TO LAST REMAINING DEVICE OR SOURCE.

STAMPS / APPROVALS		
DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

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PLAN CHECK COMMITTEE CERTIFICATION
THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION

17247
Exp. 6/30/24
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA

2015 H ST., THIRD FLR.
SACRAMENTO, CA 95811
Tel 916-346-4280

PLOT DATE: 11/28/2023

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Reviewed by: DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE
XX-XXXX

APPROVAL:
CHRIS D. ADAMSON, CASD
DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

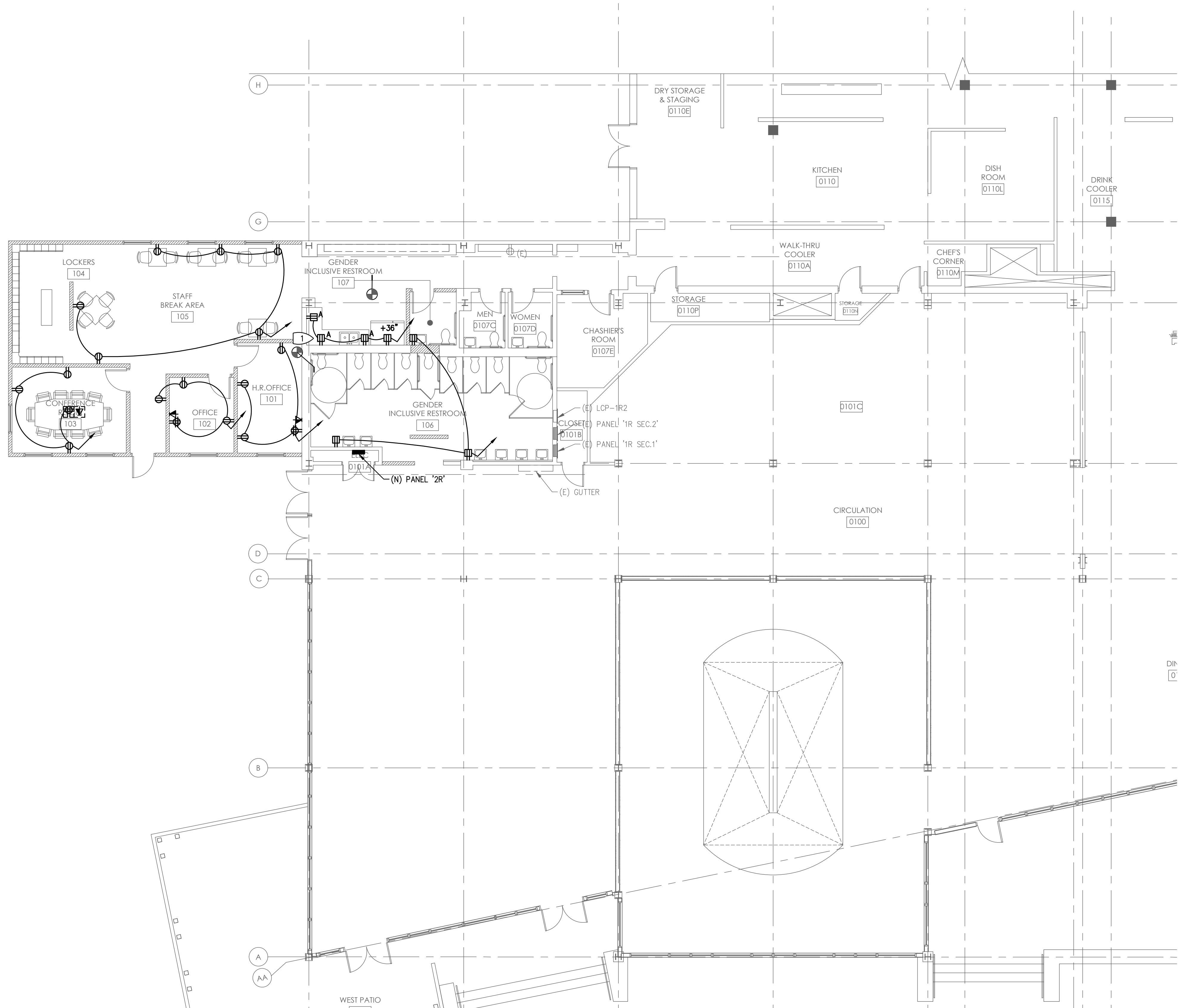
DRAWING TITLE

FLOOR PLAN - DEMOLITION

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: E1.1
	CREATED BY: K. PRESSEY	CLASS: 3788	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE:	REV:
	DRAWN BY:	DATE: MAY 30, 2012	SHEET: OF:

IF THIS DRAWING IS NOT 22X34" IT HAS BEEN REDUCED. SCALE ACCORDINGLY.

S:\23_060_11CD_Coffee House Expansion\Drawings\Electrical\VE2.1 FLOOR PLAN - POWER.dwg, 11/28/2023, 2:58:12 PM, rkovtash, 1:1



1 FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"

SHEET NOTES:
1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR REFERENCE ONLY.

KEYED NOTES:
1. DEDICATED CIRCUIT FOR MICROWAVE.

STAMPS / APPROVALS		
DEPARTMENT/AGENCY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATIONS & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
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CHAIRPERSON, PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION

17247
Exp. 6/30/24
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA

2015 H St., THIRD FLR.
Sacramento, CA 95811
Tel 916-346-4280

PLOT DATE: 11/28/2023

P consulting mechanical and electrical engineers
PETERS engineering

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Reviewed by: _____
DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE
XX-XXXX

APPROVAL:
CHRIS D. ADAMSON, CASD
DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

DRAWING TITLE

FLOOR PLAN - POWER

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: E2.1
	CREATED BY: K. PRESSEY	CLASS: 3788	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE:	REV:
	DRAWN BY:	DATE: MAY 30, 2012	SHEET: - OF: -

CAD FILE NO: _____ FILE NUMBER: _____

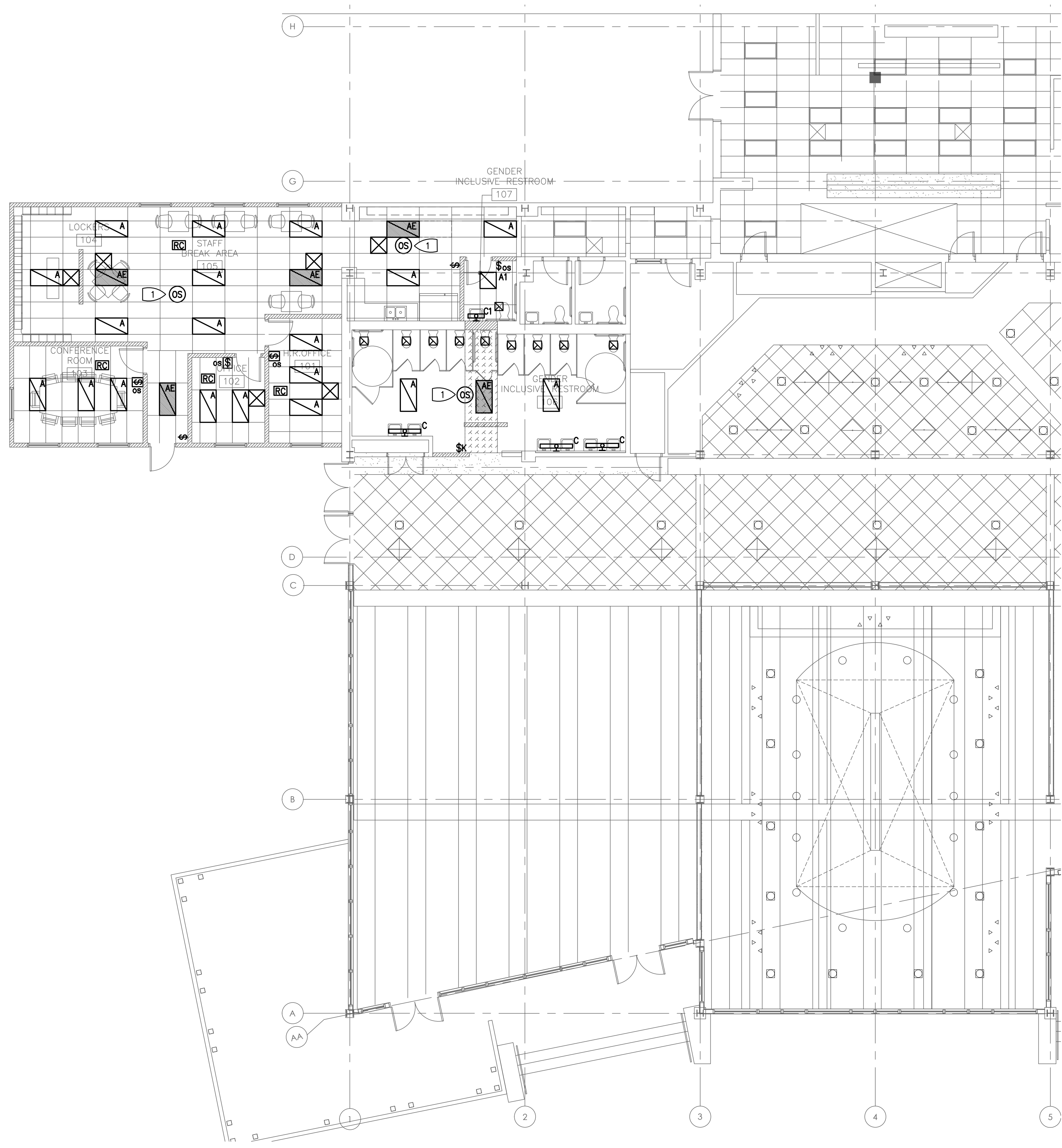
S:\23_060 LCD Coffee House Expansion\Drawings\Electrical\2 FLOOR PLAN - LIGHTING.dwg, 11/28/2023 2:58:13 PM, nkovalosh, 1:1

SHEET NOTES:

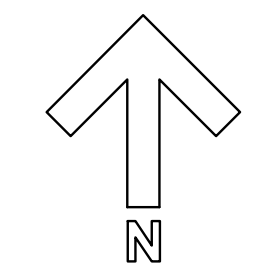
1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR REFERENCE ONLY.

KEYED NOTES:

- 1 PROVIDE CEILING MOUNTED OCCUPANCY SENSORS, WATTSTOPPER #---, OR EQUAL.



1 FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"



STAMPS / APPROVALS		
DEPARTMENT/AGENCY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

**OPERATIONS & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION**
THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON: _____ DATE: _____

**PRESSEY
ASSOCIATES**
AN ARCHITECTURAL CORPORATION

2015 H ST., THIRD FLR.
SACRAMENTO, CA 95811
Tel 916-346-4280

REGISTERED PROFESSIONAL ENGINEER
17247
Exp. 6/30/24
ELECTRICAL
STATE OF CALIFORNIA

PLOT DATE: 11/28/2023

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mechanical
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Reviewed by:
DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE
XX-XXXX

APPROVAL:
CHRIS D. ADAMSON, CASD
DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION
ONE SHIELDS AVENUE
DAVIS, CA 95616

DRAWING TITLE

FLOOR PLAN - LIGHTING

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: E2.2
	CREATED BY: K. PRESSEY	CLASS: 3788	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE:	REV:
	DRAWN BY: D	DATE: MAY 30, 2012	SHEET: - OF -

FILE NUMBER: _____

REVISIONS

DATE

BY

NEW PANEL

PANEL: 2R		MANF: SE TYPE: NQ	MAIN: LUGS BUSS: 400 AMP FEEDER RATING: 400 AMP	SERVICE: 120 /208 VOLT 3 Ø, 4W	MOUNTING: SURFACE	ENCLOSURE: WIDTH: 20" DEPTH: 5.75"	22K AIC 100% NEUT.				
AØ	BØ	CØ	DIRECTORY	BRKR	CKT	CKT	BRKR	DIRECTORY	AØ	BØ	CØ
L			LIGHTING	20/1	1	2	20/1	REFRIGERATOR	630		
R	520		RCPTS - RESTROOMS	20/1	3	4	20/1	RCPTS		360	
R		1080	RCPTS - BREAK ROOM	20/1	5	6	20/1	MIKROWAVE			1500
R	900		RCPTS - HR OFFICE	20/1	7	8	20/1	REF	300		
R		900	RCPTS - OFFICE	20/1	9	10	20/1	GARBAGE DISPOSAL		700	
R			RCPTS - CONF. ROOM	20/1	11	12	20/1				
					13	14					
					15	16					
					17	18					
					19	20					
					21	22					
					23	24					
					25	26					
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
			SPARE FOR FUTURE	200/3	37	38					
					39	40					
					41	42					

PANEL NOTES:		TOTAL CONNECTED LOAD	1830	2480	3480
1. PROVIDE 1000 A/SI COPPER BUSSING INCLUDING GROUND BUSS		DEMAND LOADS			
2. DOOR-IN-DOOR CONSTRUCTION		RECEPTACLES, 1ST 10KW	1530	1420	1980
3. PROVIDE SURGE PROTECTION DEVICE (SPD), VERTIV OR EQUAL. LOCATE SPD BREAKER ON BUSSING RELATIVE TO INCOMING FEED. LOCATE AT TOP OF BUSSING FOR TOP FED PANELS AND AT BOTTOM OF BUSSING FOR BOTTOM FED PANELS. 120KA PER PHASE & 60KA PER MODE.		REMAINDER @ 50%	0	0	0
4.		MOTOR LOADS @ 100%	300	0	0
5.		+ 25% LARGEST MOTOR	75	0	0
6.		LIGHTING LOADS @ 100%	0	0	0
7.		+ 25% LIGHTING LOAD	0	0	0
		DIVERSIFIED LOADS @ 65%	0	689	975
		OTHER LOADS @ 100%	0	0	0
		TOTAL DEMAND LOADS	1905	2109	2955
		TOTAL DEMAND AMPS	16	18	25

R=RECEPTACLE LOADS L=LIGHTING LOADS M=MECHANICAL LOADS O=OTHER LOADS K=KITCHEN LOADS

STAMPS / APPROVALS

DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

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PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION

17247
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Reviewed by: _____
DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
ACCESS COMPLIANCE
XX-XXXX

APPROVAL:
CHRIS D. ADAMSON, CASO
DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

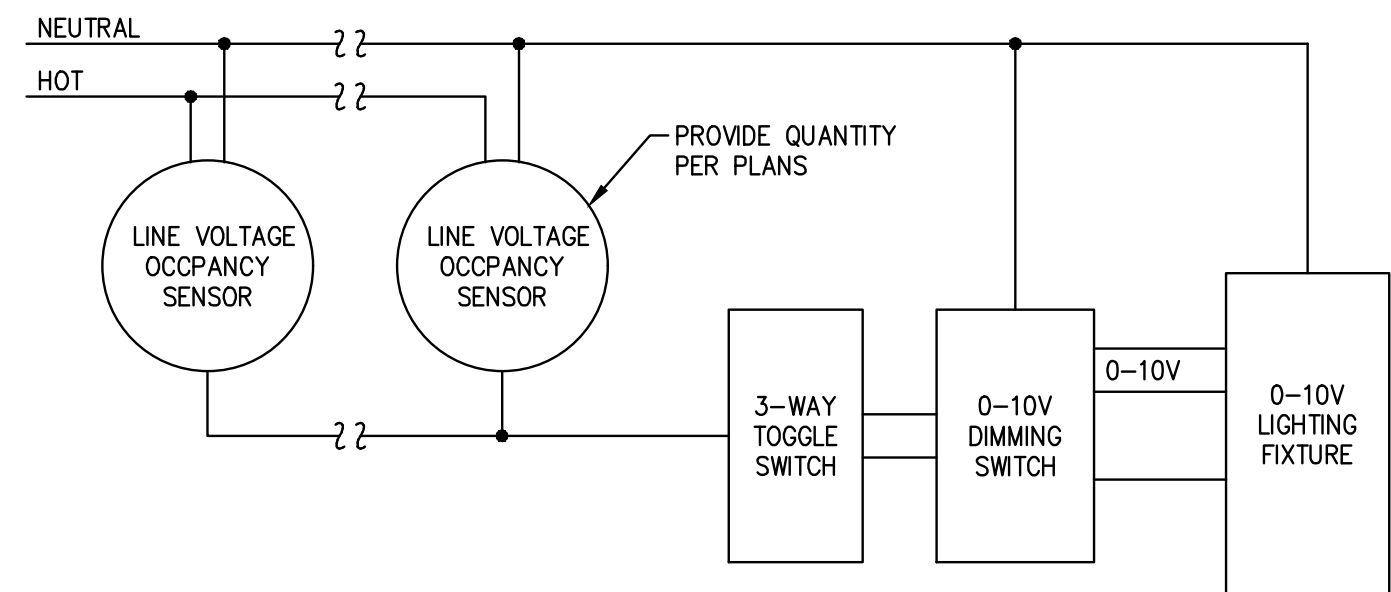
DRAWING TITLE

PANEL SCHEDULES

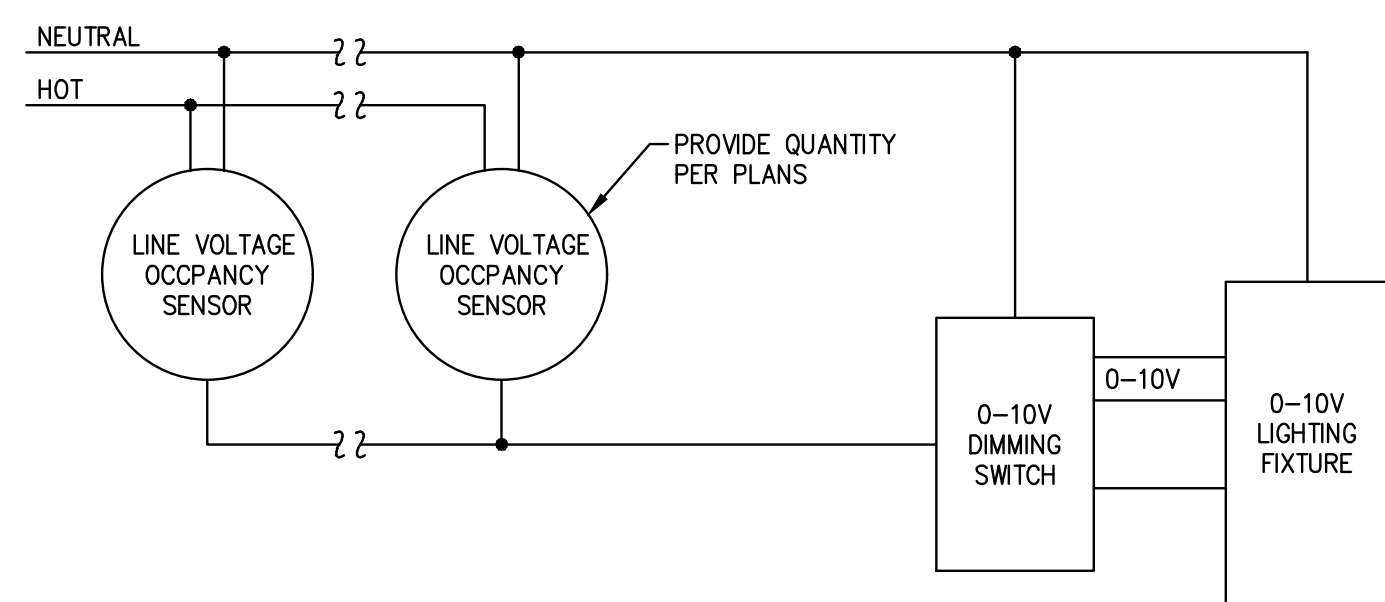
	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: E4.1
	DESIGNED BY: K. PRESSEY	CLASS: 3788	ZONE: D037
	DRAWN BY: K. PRESSEY	SCALE:	REV:
	SHEET: D 22 x 34	DATE: MAY 30, 2012	SHEET OF: - -

CAD FILE NO: _____ FILE NO: _____

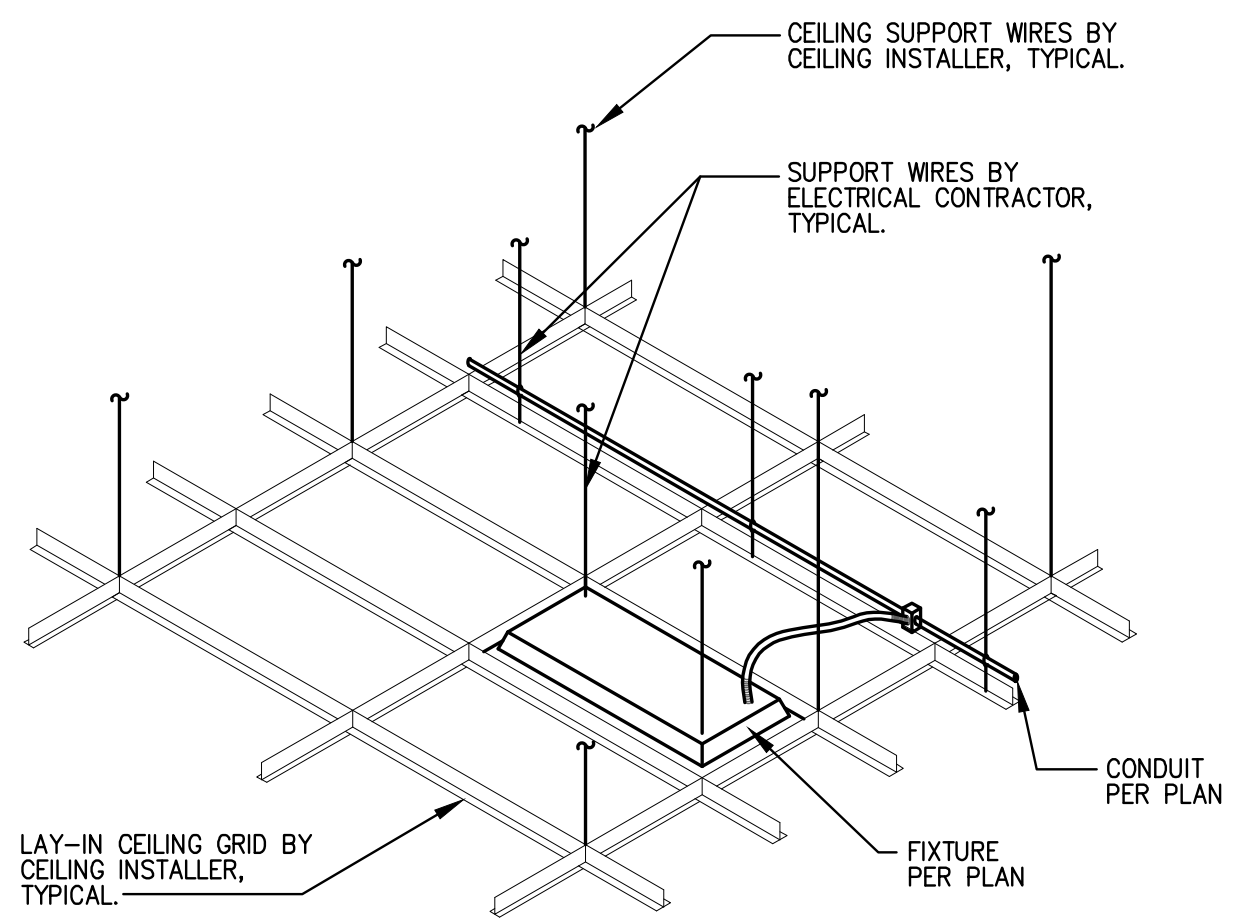
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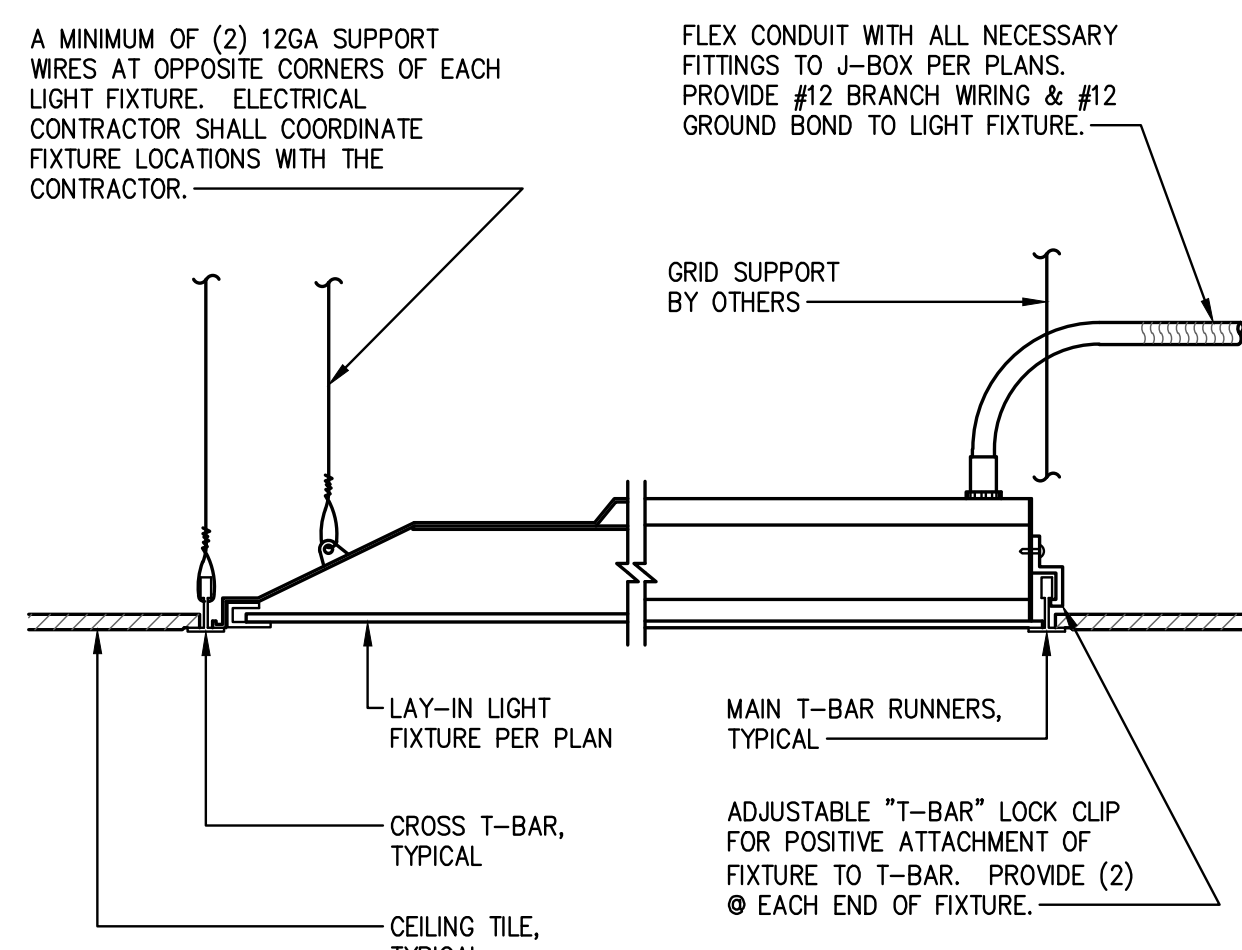
4 OCCUPANCY SENSOR WITH 3-WAY SWITCH WIRING DIAGRAM
SCALE: NONE



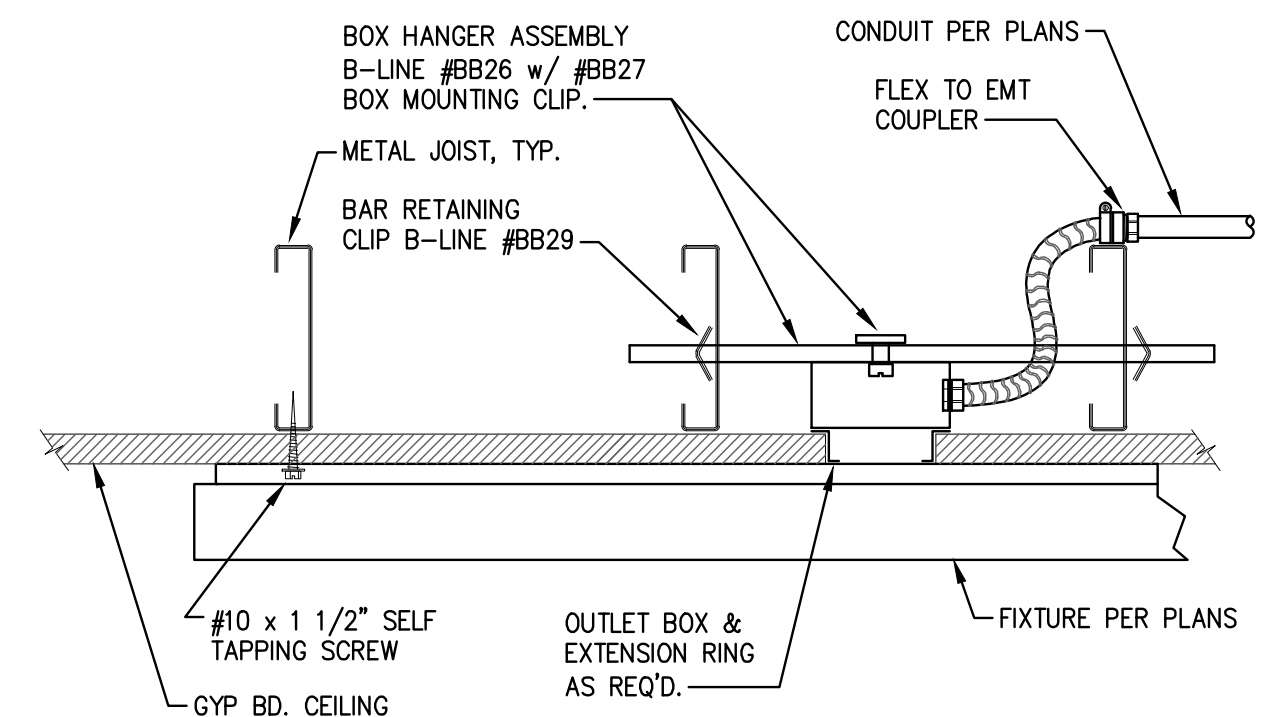
5 OCCUPANCY SENSOR SWITCH WIRING DIAGRAM
SCALE: NONE



1 T-BAR MOUNTED FIXTURE DETAIL
SCALE: NONE



2 T-BAR MOUNTED FIXTURE DETAIL
SCALE: NONE



3 SURFACE MOUNTED FIXTURE DETAIL
SCALE: NONE

STAMPS / APPROVALS		
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ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW	
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CHAIRPERSON PLAN CHECK COMMITTEE	DATE

PRESSEY ASSOCIATES
 AN ARCHITECTURAL CORPORATION
 2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
 Tel 916-346-4280

REGISTERED PROFESSIONAL ENGINEER
 17247
 Exp. 6/30/24
 ELECTRICAL
 STATE OF CALIFORNIA

CONSULTING mechanical and electrical engineers
PETERS engineering
 7750 College Town Dr, Ste. 101
 Sacramento, CA 95826
 Tel (916) 447-2841
 www.peterseng.com
 Job no. 23-060

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be on the project site at all times.
 Reviewed by: _____
 DESIGNATED CAMPUS FIRE MARSHAL UCDFD

UNIVERSITY OF CALIFORNIA, DAVIS
 ACCESS COMPLIANCE
 XX-XXXX
 APPROVAL:
 CHRIS D. ADAMSON, CASD
 DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION

ONE SHIELDS AVENUE
DAVIS, CA 95616

REV	DATE	DESCRIPTION	BY	CHECKED

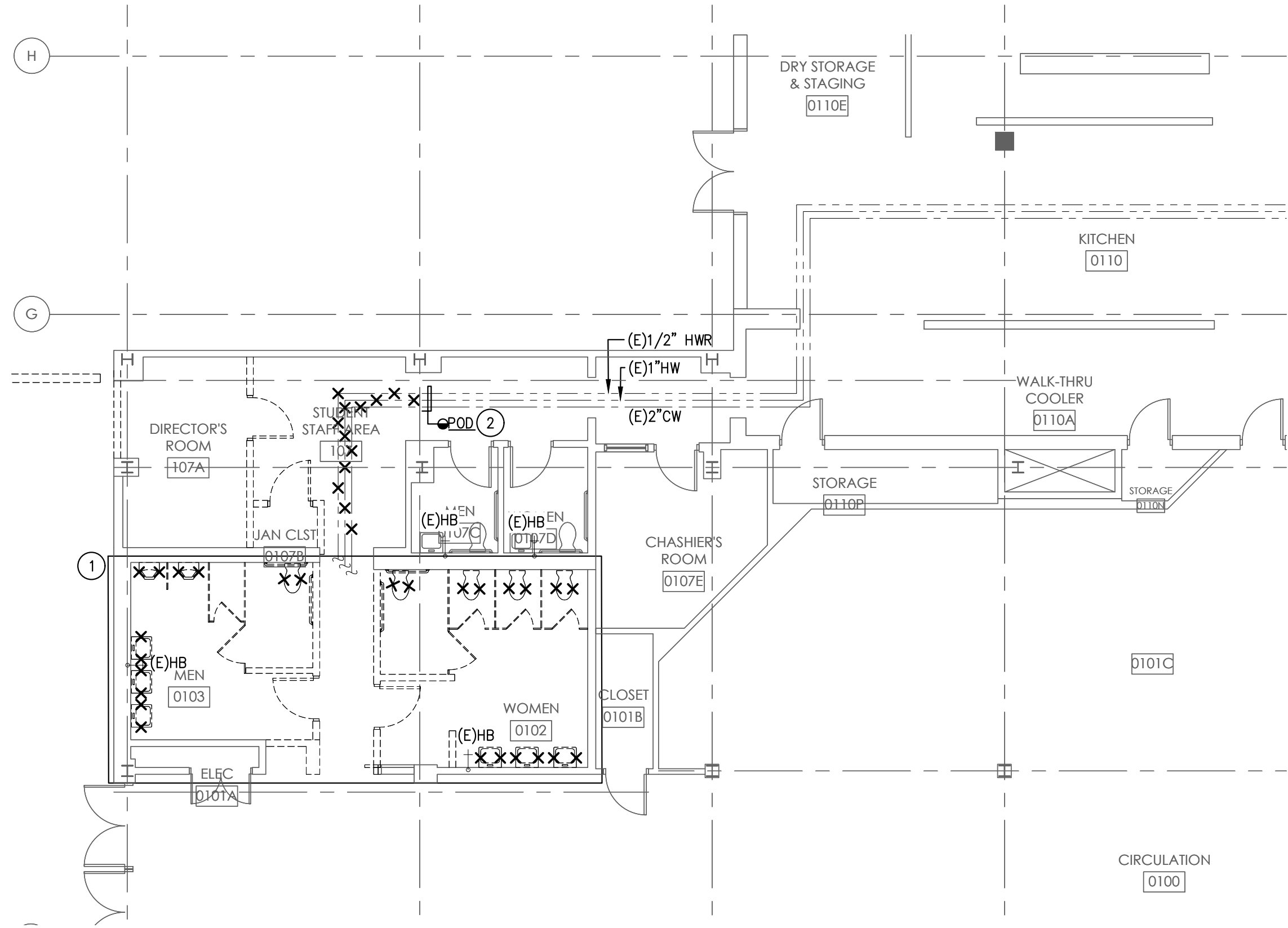
PROJECT TITLE	
COFFEE HOUSE EXPANSION	
ONE SHIELDS AVENUE DAVIS, CA 95616	

DRAWING TITLE	
DETAILS	

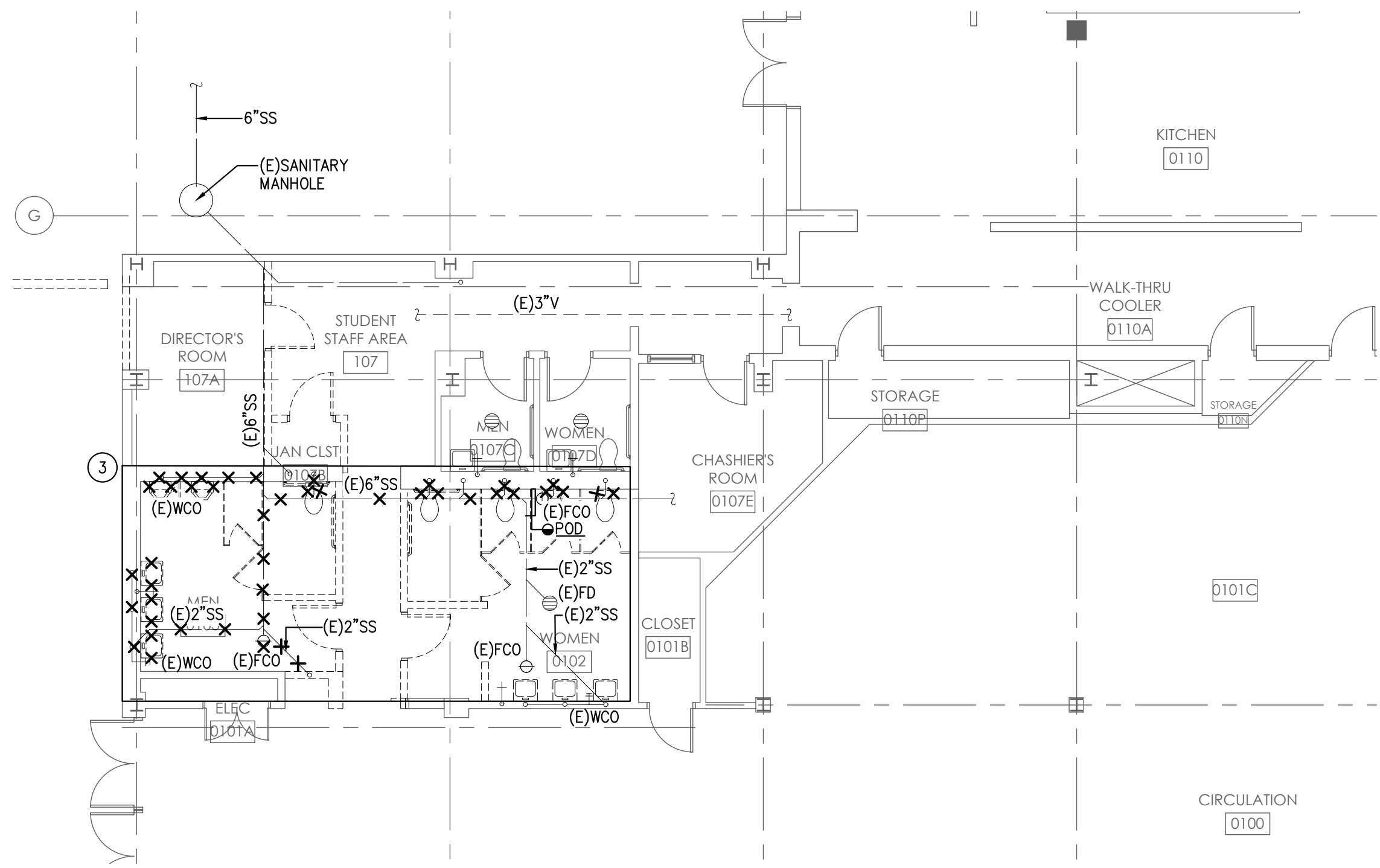
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	CREATED BY: K. PRESSEY	CLASS: 3788	ZONE: D037
	DESIGNED BY: K. PRESSEY	SCALE:	REV:
	DRAWN BY: D	DATE: MAY 30, 2012	SHEET: 22 x 34

CAD FILE NO: _____ FILE NUMBER: _____
 IF THIS DRAWING IS NOT 22X34" IT HAS BEEN REDUCED. SCALE ACCORDINGLY.

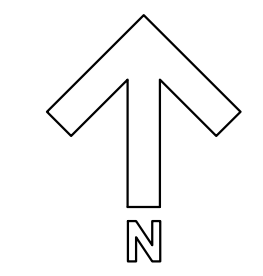
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 CAD FILE NO.
 SHEET NO.
 PROJECT NO.



1 FLOOR PLAN - DEMOLITION - WATER
 SCALE: 1/8" = 1'-0"



2 FLOOR PLAN - DEMOLITION - WASTE AND VENT
 SCALE: 1/8" = 1'-0"



SHEET NOTES:

- ALL EXISTING EQUIPMENT AND PIPING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR REFERENCE ONLY.
- CONTRACTOR TO FIELD VERIFY ALL PIPE LOCATIONS BEFORE DEMO.

DEMOLITION KEYED NOTES:

- REMOVE ALL EXISTING PLUMBING FIXTURES AND ALL EXISTING COLD WATER, HOT WATER, AND HOT WATER RETURN. PREPARE FOR NEW ROUTE OF NEW PIPING.
- REMOVE EXISTING COLD WATER, HOT WATER, AND HOT WATER RETURN AS SHOWN TO POINT OF DEMOLITION.
- REMOVE ALL EXISTING PLUMBING FIXTURES AND ALL EXISTING VENTS. PREPARE FOR NEW ROUTE FOR NEW VENT PIPING.

STAMPS / APPROVALS		
DEPARTMENT/PROPERTY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATIONS & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY ASSOCIATES
 AN ARCHITECTURAL CORPORATION
 2015 H ST., THIRD FLR.
 SACRAMENTO, CA 95811
 Tel 916-346-4280

REGISTERED PROFESSIONAL ENGINEER
 SEAN R. T. CHESTER
 M31176
 EXP. 12/31/23
 MECHANICAL
 STATE OF CALIFORNIA

PLOT DATE: 11/28/2023

PETERS engineering
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 Sacramento, CA 95826
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UNIVERSITY OF CALIFORNIA, DAVIS
 ACCESS COMPLIANCE
 XX-XXXX

APPROVAL:
 CHRIS D. ADAMSON, CASD
 DESIGNATED CAMPUS ACCESS REVIEWER

COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

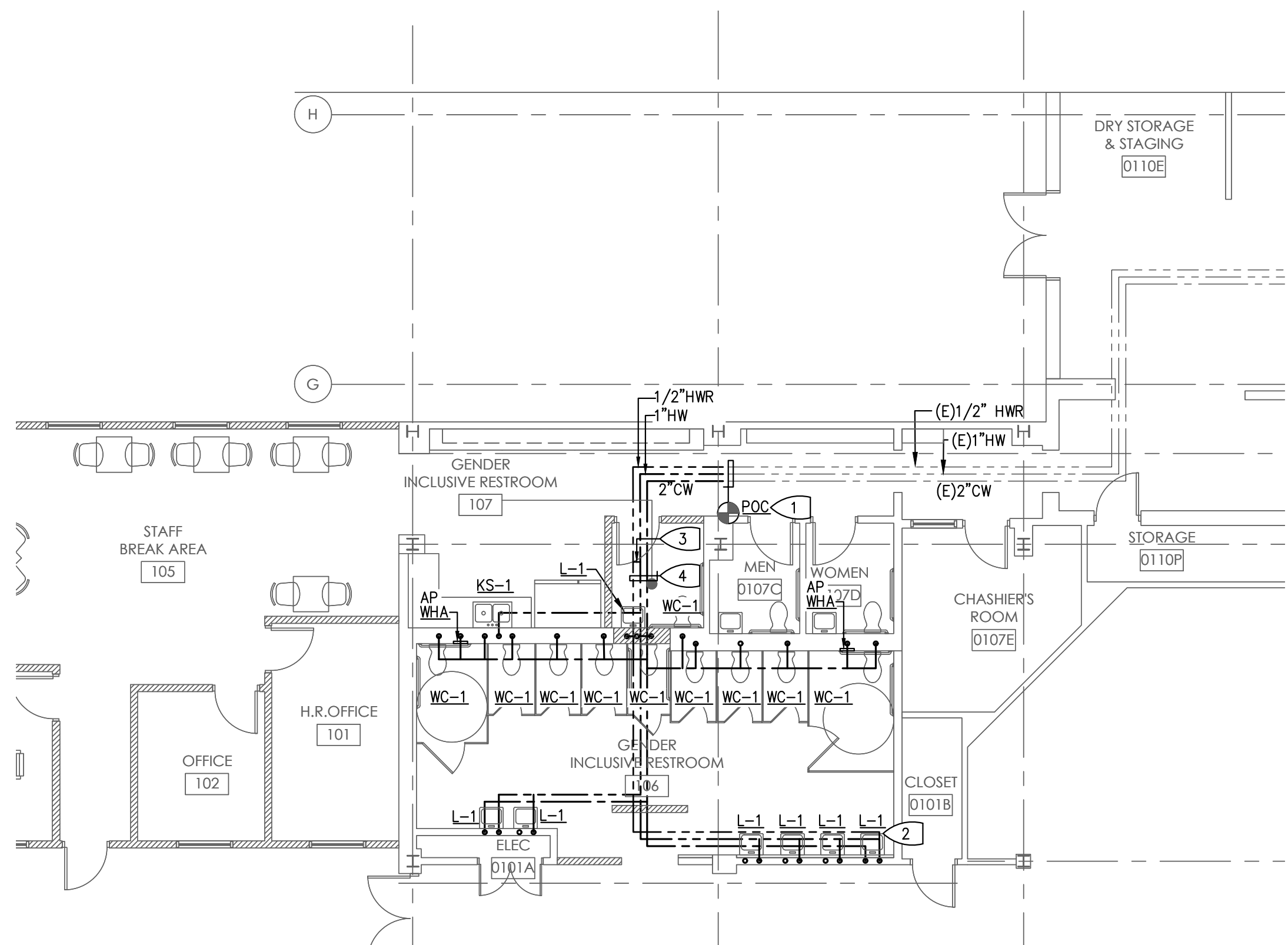
REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE
 COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

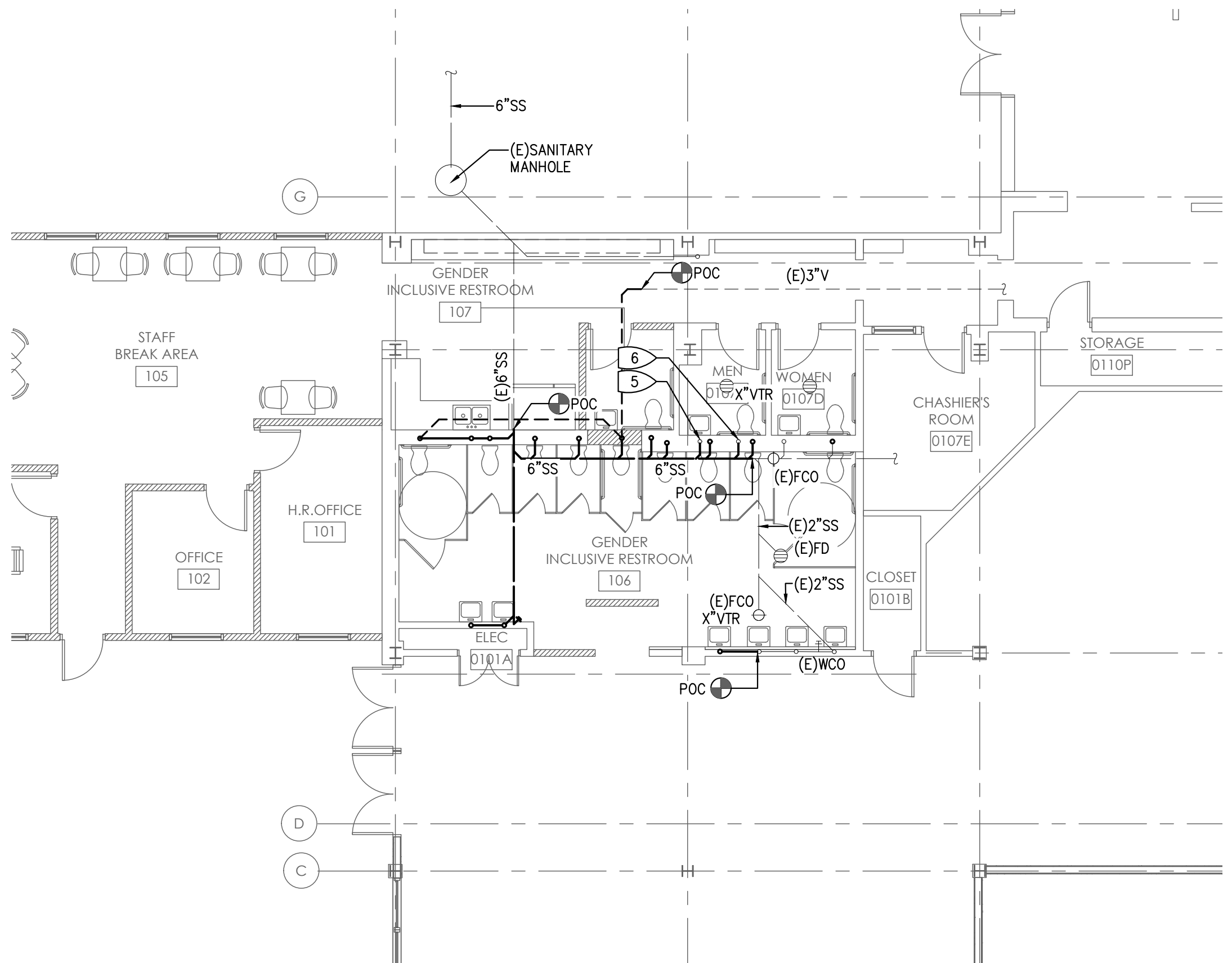
DRAWING TITLE
 FLOOR PLAN - DEMOLITION

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: P1.1
	CREATED BY: K. PRESSEY	SCALE: 3788	ZONE: D037
	FORWARDED BY: K. PRESSEY	SCALE:	REV:
	DATE: MAY 30, 2012	DATE:	SHEET: OF:

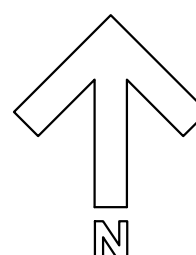
CAD FILE NO. _____ FILE NUMBER: _____



1 FLOOR PLAN - PLUMBING - WATER
SCALE: 1/8" = 1'-0"



2 FLOOR PLAN - PLUMBING- WASTE AND VENT
SCALE: 1/8" = 1'-0"



SHEET NOTES:

1. ALL EXISTING EQUIPMENT AND PIPING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR REFERENCE ONLY.

KEYED NOTES:

1. CONNECT (E)2\"/>

STAMPS / APPROVALS

DEPARTMENT/AUTHORITY	SIGNATURE	DATE
REQUESTING DEPARTMENT		
FACILITIES SVCS - ELECTRICAL		
FACILITIES SVCS - MECHANICAL		
FACILITIES SVCS - STRUCTURAL		
FACILITIES SVCS - ASBESTOS & LEAD		
ENVIRONMENTAL HEALTH & SAFETY		

PLAN CHECK REVIEW

OPERATIONS & MAINTENANCE
PLAN CHECK COMMITTEE CERTIFICATION
 THESE PROJECT DOCUMENTS HAVE COMPLETED THE PLAN CHECK PROCESS.

CHAIRPERSON PLAN CHECK COMMITTEE _____ DATE _____

PRESSEY ASSOCIATES
AN ARCHITECTURAL CORPORATION



2015 H St., THIRD FLR.
Sacramento, CA 95811
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PLOT DATE: 11/28/2023

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REV	DATE	DESCRIPTION	BY	CHECKED

PROJECT TITLE

COFFEE HOUSE EXPANSION
 ONE SHIELDS AVENUE
 DAVIS, CA 95616

DRAWING TITLE

FLOOR PLAN - PLUMBING

	PROJECT MGR: M. CARSON	PROJECT NO: 23025	DRAWING NO: P2.1
	CREATED BY: K. PRESSEY	CHAM: 3788	ZONE: D037
	FORWARDED BY: K. PRESSEY	SCALE: ---	REV: ---
	DRAWN BY: D	DATE: MAY 30, 2012	SHEET: -- OF --

CAD FILE NO: _____ FILE NUMBER NO: _____