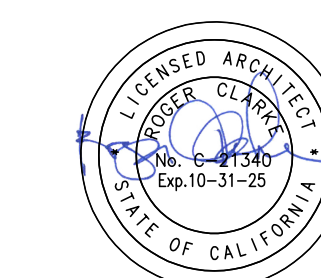


BUILDING CODE ANALYSIS

BUILDING NAME	USE	OCCUPANCY TYPE SECTION 302	CONSTRUCTION TYPE SECTION 602	ALLOWABLE STORIES TABLE 504.4	ACTUAL STORIES	ALLOWABLE HEIGHT TABLE 504.3	ACTUAL HEIGHT	BUILDING AREA (SF)		FRONTAGE INCREASE AND AREA MODIFIED CALCULATION SECTION 506	EXTERIOR WALL PROTECTION TABLE 601		OPENING PROTECTION TABLE 705.8
								ALLOWABLE AREA (SF) TABLE 506.2	ACTUAL AREA (SF)		BEARING	NON-BEARING	
MULTI-PURPOSE	MULTI-PURPOSE AND KITCHEN	A-2	V-B NON-SPRINKLERED	1	1	40'-0"	16'-0"	6000	6303	337.5' TOTAL PERIMETER 215' PERIMETER W/30' MIN FRONTAGE 215/337.5 = 0.63 50 INCREASE O.K. 6000 SF x 1.50 = 9000 SF ALLOWABLE 6303 SF < 9000 SF O.K.	0	0	UNLIMITED PER 705.8.1 EXCEPTION 2



**RUHNAU
CLARKE
ARCHITECTS**

STAMPS
AGENCY APPROVAL
DATE: 02-10-24

GENERAL EGRESS NOTES

- PER SECTION 1010.2.9 IN THE CBC 2022, DOOR SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE ARE REQUIRED TO HAVE PANIC HARDWARE OR FIRE EXIT HARDWARE.
- ROOM OCCUPANT LOADS FACTORED PER CBC 2022 SECTION 1004, TABLE 1004.5
- REFER TO SIGNAGE SCHEDULE IN SECTION 10 14 23 FOR MORE INFORMATION.
- SEE SHEET **AD-1.1** FOR SIGNAGE ATTACHMENTS AND LOCATIONS.
- ALL DOORS TO HAVE A 90 DEGREE SWING LIMIT WHERE TACTILE SIGNAGE IS LOCATED ON HINGE SIDE OF DOOR.
- TYPICAL AT PAIRS OF DOORS: WHEN POSSIBLE TACTILE SIGNAGE SHALL BE PLACED AT RIGHT SIDE OF DOORS.
- LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.

KEYNOTE

NOTE: SPECIFIC DEMOLITION SCOPE IS INDICATED BY KEYNOTES 02.41.00.00 THRU 02.41.00.99. SEE NOTES, GENERAL NOTES, DETAILS, AND DOCUMENTS PREPARED BY OTHER DISCIPLINES FOR INFORMATION AND FULL SCOPE OF DEMOLITION.

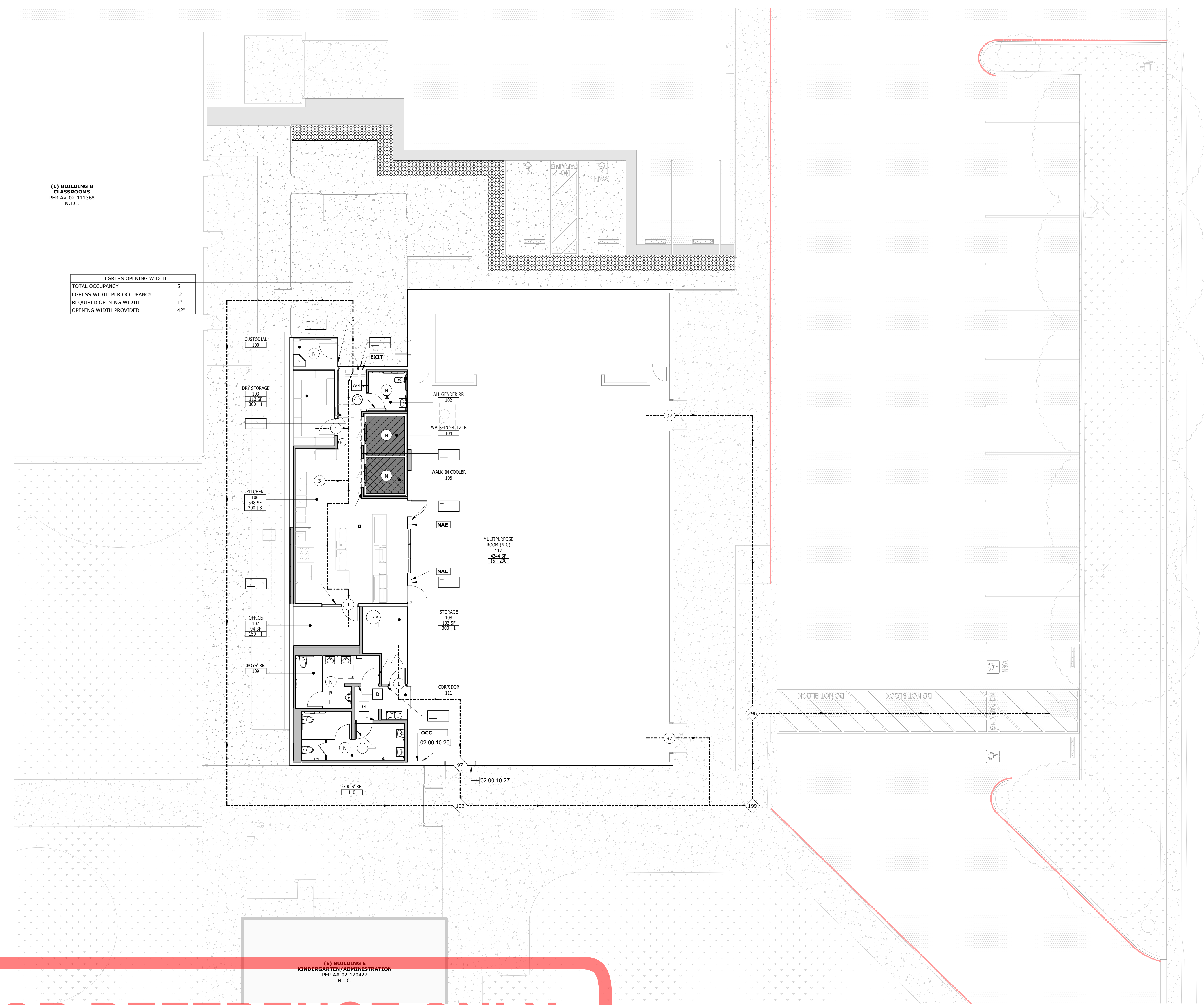
02 00 10.26 (E) EXIT SIGN
02 00 10.27 (E) ROOM SIGN AND INTERNATIONAL SYMBOL OF ACCESSIBILITY

EGRESS & SIGNAGE LEGEND

- RECESSED FIRE EXTINGUISHER, PER DETAIL MAXIMUM TRAVEL DISTANCE IDENTIFIED ON PLANS, PER CBC 2022 SECTION 906.1 6 AD-1.0
- ROOM OCCUPANCY DISCHARGE
- NON-OCCUPIED ROOM
- TOTAL OCCUPANCY DISCHARGE
- PATH OF EGRESS, TRAVEL DISTANCE SHALL NOT BE MORE THAN 200 FT IN UNSPRINKLERED OCCUPANCY GROUP A BUILDINGS PER CBC TABLE 1104.1B
- ROOM TAG**
- ROOM AREA
OCCUPANT LOAD
OCCUPANT LOAD FACTOR
- ROOM NUMBER 6 AD-1.1
- ROOM NAME
- GIRLS DOOR SIGN 12 AD-1.1
- BOYS DOOR SIGN 12 AD-1.1
- UNISEX DOOR SIGN 12 AD-1.1
- GIRLS WALL SIGN 12 AD-1.1
- BOYS WALL SIGN 12 AD-1.1
- ALL GENDER WALL SIGN 12 AD-1.1
- EXIT SIGN 7 AD-1.1
- MAXIMUM OCCUPANT LOAD SIGN
NUMBER OF OCCUPANTS 19 AD-1.1
- NOT A EXIT SIGN 8 AD-1.1
- INDICATES SIGN LOCATION

(E) BUILDING B CLASSROOMS PER A# 02-111368 N.I.C.

EGRESS OPENING WIDTH	
TOTAL OCCUPANCY	5
EGRESS WIDTH PER OCCUPANCY	.2
REQUIRED OPENING WIDTH	1"
OPENING WIDTH PROVIDED	42"



HARRISON ST.

(E) BUILDING E KINDERGARTEN ADMINISTRATION PER A# 02-120427 N.I.C.

FOR REFERENCE ONLY

EGRESS & SIGNAGE PLAN SCALE: 1/8" = 1'-0" 1

PROJECT No. :1-10-402
7/5/2024 2:16:52 PM

DATE	BY	REVISION

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

CODE ANALYSIS, SIGN & EGRESS PLAN

G-2

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

FILENAME: \\s4-074\CIVIL\DWG\S4-074-000.DWG

FOR REFERENCE ONLY

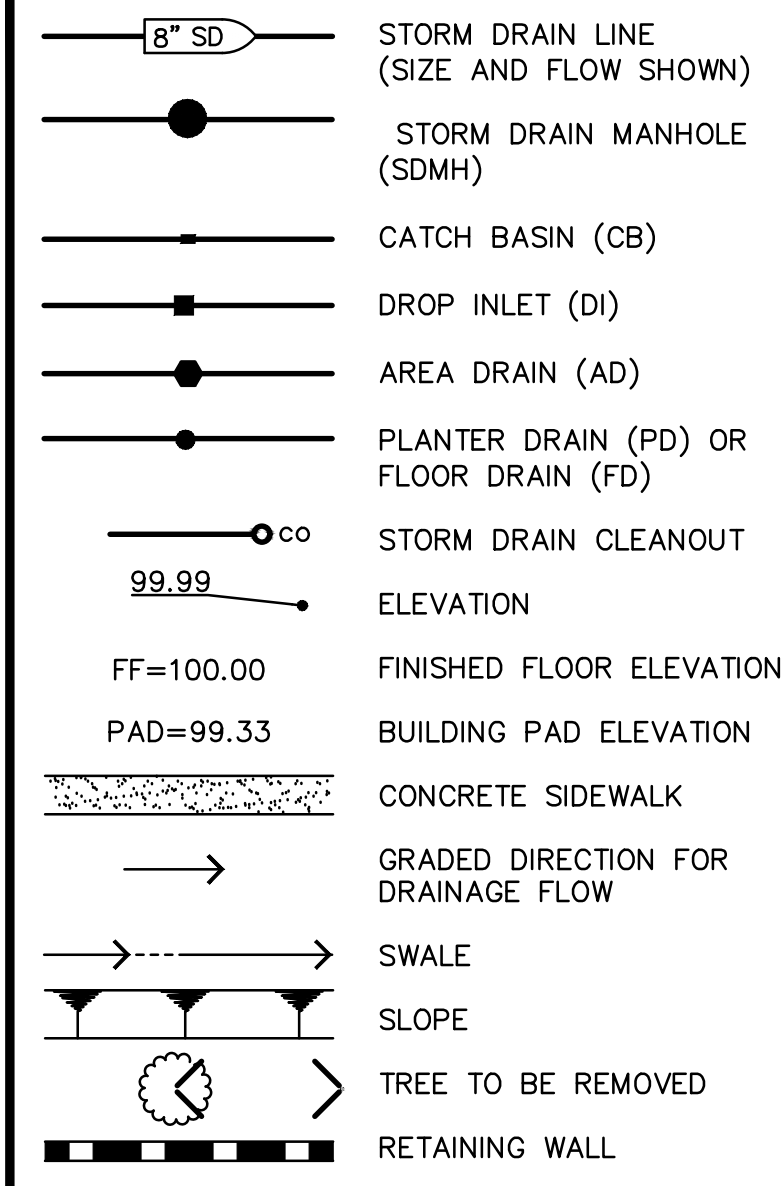
PROJECT No. **1-104-01**
5/13/2024 10:15:14 AM

DATE	BY	CHECKED BY

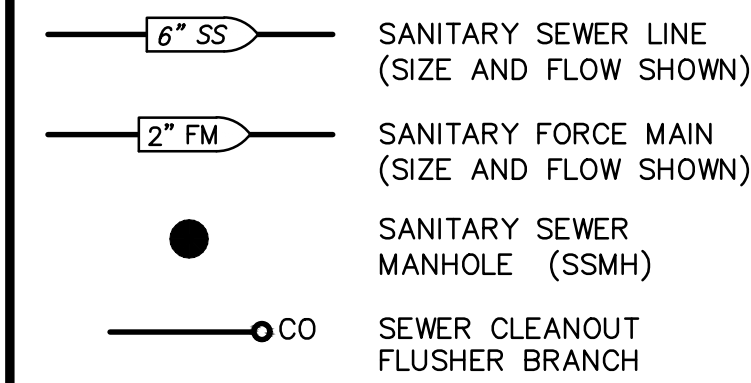
SYMBOLS LEGEND

NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

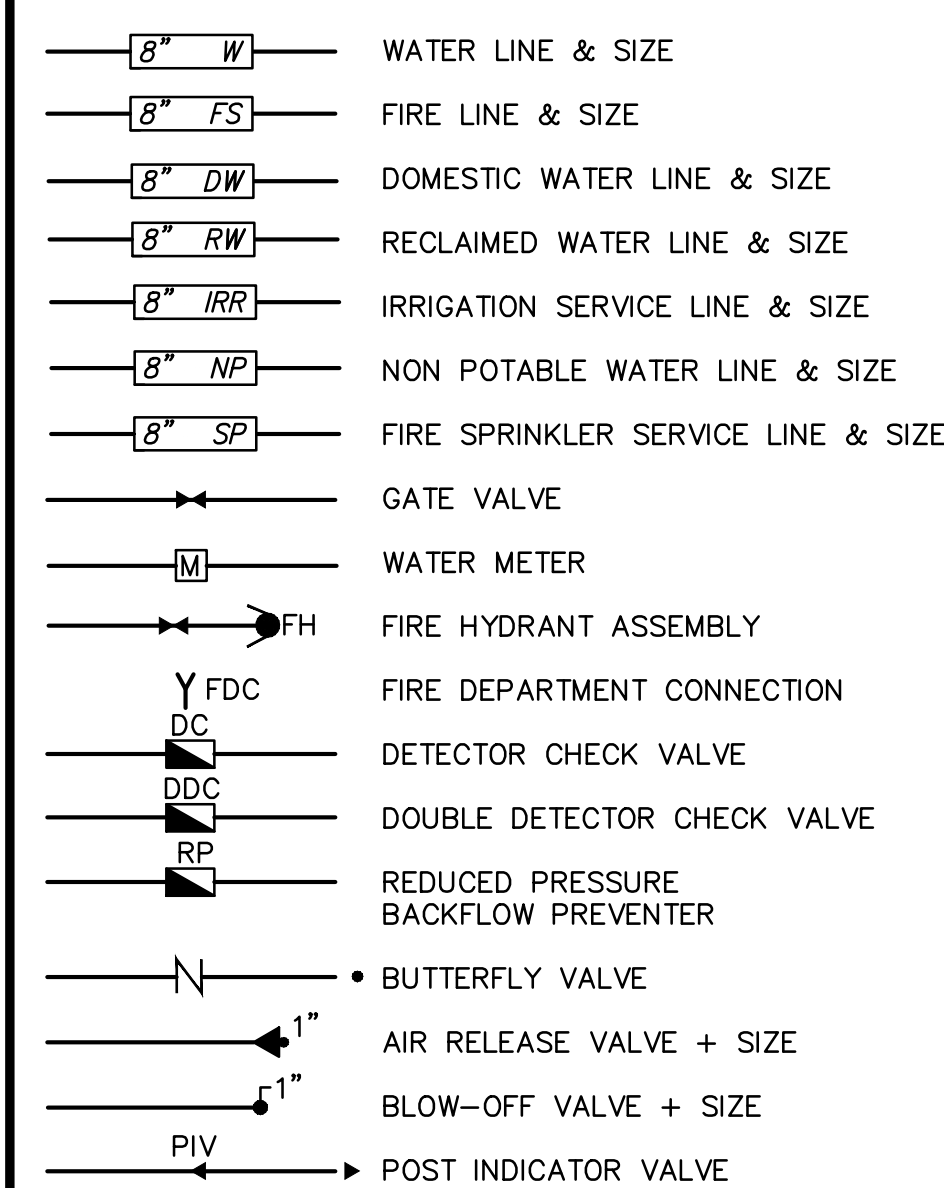
PROPOSED GRADING & DRAINAGE SYMBOLS:



PROPOSED SANITARY SEWER SYMBOLS:



PROPOSED WATER SYMBOLS:



ABBREVIATIONS

NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARY	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
CB	CATCH BASIN
C/L	CENTERLINE
CB	CATCH BASIN
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FL	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FDM	FLOODLINE
FM	SANITARY SEWER FORCE MAIN
FH	FIRE HYDRANT
G	GAS
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
IPI	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOUSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
P	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RPC	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SI	SIDE INLET
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TR	TOP OF RAMP
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALK
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/O	WITHOUT
WV	WATER VALVE

GENERAL NOTES

- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
- WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING OR IMPROPER CONSTRUCTION.
- IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
- IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
- NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
- SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
- ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
- CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
- EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
- EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
- NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
- WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
- ALL CONTRACTION/CONSTRUCTION JOINTS "C/J" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
- ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
- 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB CONSTRUCTION.
- SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
- ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
- REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.

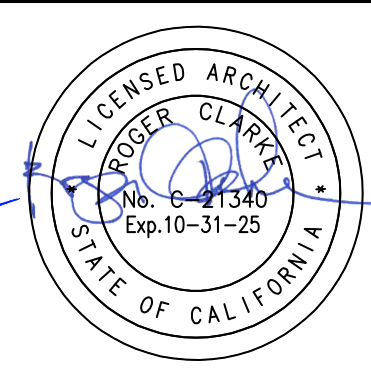
GENERAL PAVING SURFACE NOTES:

- PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
- ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0% AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
 - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.



SHEET INDEX

NO.	SHEET DESCRIPTION
CIVL	CIVIL
C0.0	CIVIL GENERAL NOTES AND ABBREVIATIONS
C0.1	TOPOGRAPHIC SURVEY
C1.1	DEMOLITION PLAN
C2.1	GRADING PLAN
C3.1	PAVING AND STRIPING PLAN
C4.1	DETAILS AND SECTIONS



WARREN CONSULTING ENGINEERS, INC.
1117 WINFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870
CONSULTANT BRANDING

AGENCY APPROVAL

**RUHNAU
CLARKE**
ARCHITECTS

KITCHEN UPGRADES AT MADISON E.S.

RUHNAUCLARKE.COM

3775 TENTH STREET, REDWOOD CITY, CALIFORNIA 94061 | (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD, CALIFORNIA 92010 | (760) 438-5899

MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

CIVIL GENERAL NOTES
AND ABBREVIATIONS

C0.0

EXISTING TOPOGRAPHY

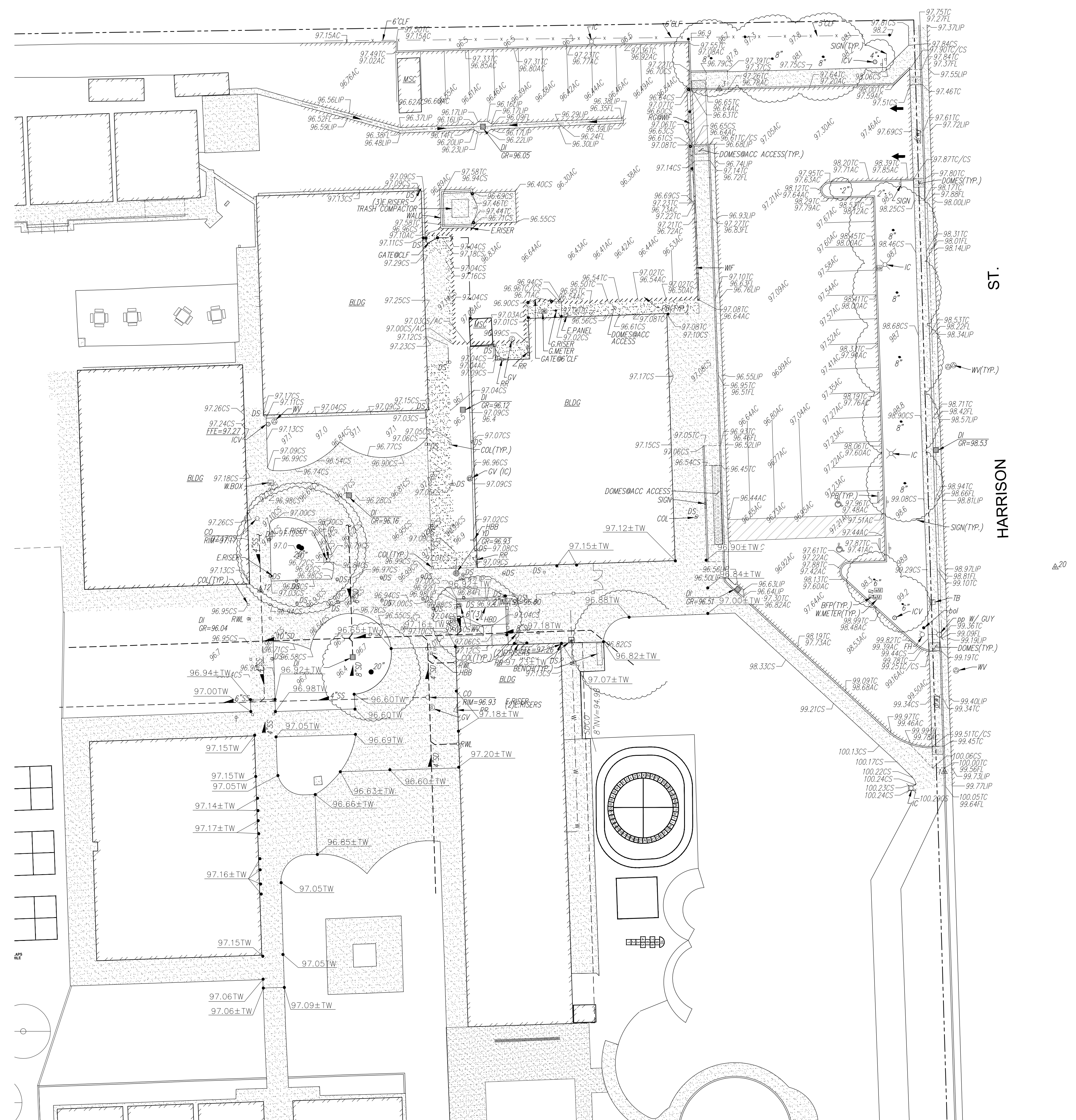
- == PROPERTY LINE
- == CENTERLINE
- == EASEMENT
- = PROPERTY CORNER FOUND AS NOTED
- = PROPERTY CORNER FOUND ON SET
- △ = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- ← = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = SIGN
- = POST OR BOLLARD
- 99.9 = GROUND ELEVATION
- 99.99 = HARD SURFACE ELEVATION

ABBREVIATIONS

- NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.
- AC ASPHALTIC CONCRETE
 - ACC ACCESSIBLE
 - ACU AIR CONDITIONING UNIT
 - AD AREA DRAIN
 - ASSESSOR'S PARCEL NUMBER
 - APP APPARATUS
 - BBALL BASKETBALL POLE
 - BCM BRASS CAP MONUMENT
 - BFP BACK FLOW PREVENTER
 - BLD BLOCK
 - BLDG BUILDING
 - BOL BOLLARD
 - BOV BLOW-OFF VALVE
 - BRK BRICK
 - B.W.F. BARBED WIRE FENCE
 - COMMUNICATION CENTERLINE
 - C/V CABLE TELEVISION
 - CIP CAPPED IRON PIPE
 - CL.F. CHAIN LINK FENCE
 - CMP CORRUGATED METAL PIPE
 - CO CLEANOUT
 - COL COLUMN
 - CONC. CONCRETE
 - COND. CONDENSATE
 - CPI CONTROL POINT FOUND
 - CPS CONTROL POINT SET
 - CS CONCRETE SURFACE
 - CS DEPTH
 - DF DRINKING FOUNTAIN
 - DG DECOMPOSED GRANITE
 - DI DROP INLET
 - DIA DIAMETER
 - DRIVEWAY
 - DS DOWNSPOUT
 - DWG DRAINAGE
 - EP ELECTRIC
 - ESP EASEMENT
 - FA FIRE ALARM
 - FDC FIRE DEPARTMENT CONNECTION
 - FTE FINISHED FLOOR ELEVATION
 - FH FIRE HYDRANT
 - FL FLOWLINE
 - FO FIBER OPTIC
 - FS FIRE SERVICE
 - GB GRADE BREAK
 - GR GRATE
 - GRB GROUND ROD BOX
 - GROD GROUND ROD
 - GV GAS VALVE
 - HB HOSE BIBB
 - HBD HEADER BOARD
 - HP HIGH PRESSURE
 - HR HANDRAIL
 - HVE HIGH VOLTAGE ELECTRIC
 - HOC HOOD WIRE FENCE
 - IC IN CONCRETE
 - IRR IRRIGATION CONTROL PANEL
 - REV IRRIGATION CONTROL VALVE
 - INV PIPE INVERT ELEVATION
 - IRRIGATION
 - IP JOINT UTILITY POLE
 - JT JOINT TRENCH
 - LANDG LOW VOLTAGE ELECTRIC
 - LVE LUMINOUS
 - M METAL
 - MH MANHOLE
 - MS MOW STRIP
 - MSC METAL STORAGE CONTAINER
 - NOT TO SCALE
 - NTS NOT TO SCALE
 - OH OVERHEAD
 - OSPH OPEN IRON PIPE
 - OSP OLD STEEL POST HOLE
 - PL PLANTER AREA
 - PB PARKING BUMPER
 - PH POSTHOLE
 - PIV POST INDICATOR VALVE
 - PP POWER POLE
 - PRKG PARKING
 - PUE PUBLIC UTILITY EASEMENT
 - PV PAVERS
 - PVC POLYVINYL CHLORIDE
 - R RUBBER
 - RG ROLLING GATE
 - RM MANHOLE RIM ELEVATION
 - ROW RIGHT OF WAY
 - RW RETAINING WALL
 - RWD REDWOOD
 - RWL RAIN WATER LEADER
 - SD STORM DRAIN
 - SDM STORM DRAIN MANHOLE
 - SIG SIGNAL
 - SLB STREET LIGHT BOX
 - SL STREET LIGHT
 - SSCO SANITARY SEWER CLEANOUT
 - SSMH SANITARY SEWER MANHOLE
 - STL STEEL
 - TELEPHONE
 - TBALL TETHER BALL POLE
 - TM TEMPORARY BENCHMARK
 - TC TOP OF CURB
 - TOW TOP OF WALL
 - TP TELEPHONE POLE
 - TRW TOP OF RETAINING WALL
 - UG UNDERGROUND
 - UNK UNKNOWN
 - VENT VENT
 - VBALL VOLLEYBALL
 - W WATER
 - W/ WITH
 - WD WOOD
 - WF WOOD FENCE
 - W.I.F. WROUGHT IRON FENCE
 - W.R.F. WOOD RAIL FENCE
 - XF TRANSFORMER
 - XWALK CROSSWALK

EXISTING UTILITIES

- 12"SD = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
- 12"SD = STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD = STORM DRAIN LINE (UNDERGROUND LOCATING)
- ⊖ = STORM DRAIN MANHOLE
- ⊖ = STORM DRAIN CLEANOUT
- ⊖ = DROP INLET
- ⊖ = AREA DRAIN
- ⊖ = RAIN WATER LEADER
- ⊖ = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- ⊖ = SANITARY SEWER MANHOLE
- ⊖ = SANITARY SEWER CLEANOUT
- W = WATER LINE (SIZE INDICATED)
- W = WATER LINE (RECORD INFORMATION)
- W = WATER LINE (UNDERGROUND LOCATING)
- ⊖ = WATER MANHOLE
- ⊖ = WATER VALVE
- ⊖ = WATER METER
- ⊖ = WATER BOX
- ⊖ = IRRIGATION CONTROL VALVE
- ⊖ = FIRE HYDRANT
- ⊖ = BACKFLOW PREVENTER
- ⊖ = SPRINKLER
- ⊖ = HOSE BIBB
- OH-E = OVERHEAD ELECTRIC LINE
- E = UNDERGROUND ELECTRIC LINE
- E = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ⊖ = ELECTRIC MANHOLE
- ⊖ = UTILITY POLE (WITH GUY WIRE)
- ⊖ = ELECTRIC METER
- ⊖ = ELECTRIC BOX
- ⊖ = STREET LIGHTING BOX
- ⊖ = LIGHT STANDARD
- ⊖ = SIGNAL LIGHT
- ⊖ = FLOOD LIGHT
- ⊖ = ELECTRICAL OUTLET
- G = GAS LINE (SIZE INDICATED)
- G = GAS LINE (RECORD INFORMATION)
- G = GAS LINE (UNDERGROUND LOCATING)
- ⊖ = GAS MANHOLE
- ⊖ = GAS VALVE
- ⊖ = GAS METER
- T = TELEPHONE LINE
- T = TELEPHONE LINE (RECORD INFORMATION)
- T = TELEPHONE LINE (UNDERGROUND LOCATING)
- ⊖ = STORM DRAIN BOX
- ⊖ = TRAFFIC SIGNAL BOX



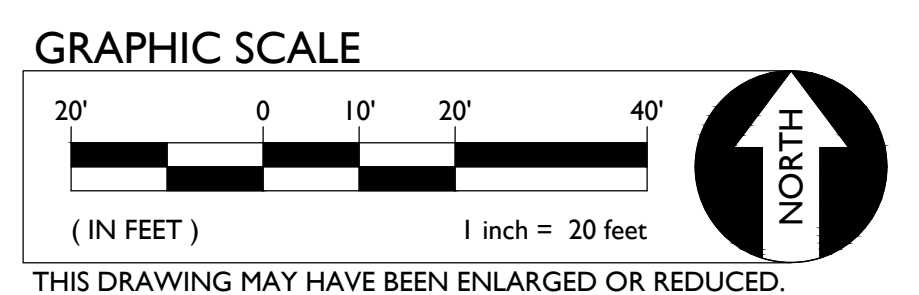
BASIS OF BEARINGS:
 PER FOUND MONUMENTS, IDENTICAL
 TO 50 P.M. 39

F.E.M.A. INFORMATION:
 THE SUBJECT PROPERTY IS LOCATED IN
 "ZONE X"—AREA OF MINIMAL FLOOD
 HAZARD" PER FLOOD INSURANCE RATE
 MAP 06067C0086H DATED AUGUST 16,
 2012.
 NOTES:
 EXISTING UTILITIES BASED ON
 VISIBLE SURFACE STRUCTURES
 ONLY.

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	CPS CHISELED "L"	10000.71	10007.28	100.00
3	CPS CHISELED "L"	10252.46	9924.28	96.98
20	CPS CHISELED "L"	10076.12	10048.14	99.42

A.P.N.	228-0131-008
BENCHMARK NO.	ELEV. 100.00
ASSUMED	



FOR REFERENCE ONLY

PROJECT No. :1-104-01
 5/13/2024 10:15:14 AM

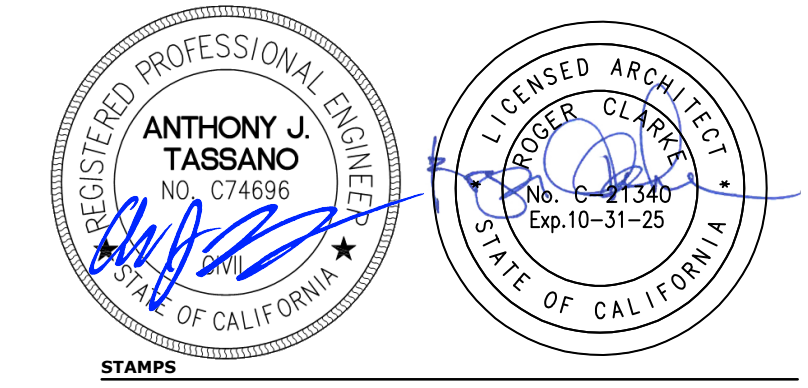
DATE: 5/13/2024

DATE	BY	DESCRIPTION
5/13/2024	AW	ADD
5/13/2024	AW	ADD
5/13/2024	AW	ADD
5/13/2024	AW	ADD
5/13/2024	AW	ADD
5/13/2024	AW	ADD
5/13/2024	AW	ADD
5/13/2024	AW	ADD
5/13/2024	AW	ADD
5/13/2024	AW	ADD

RUHN AU CLARKE .COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

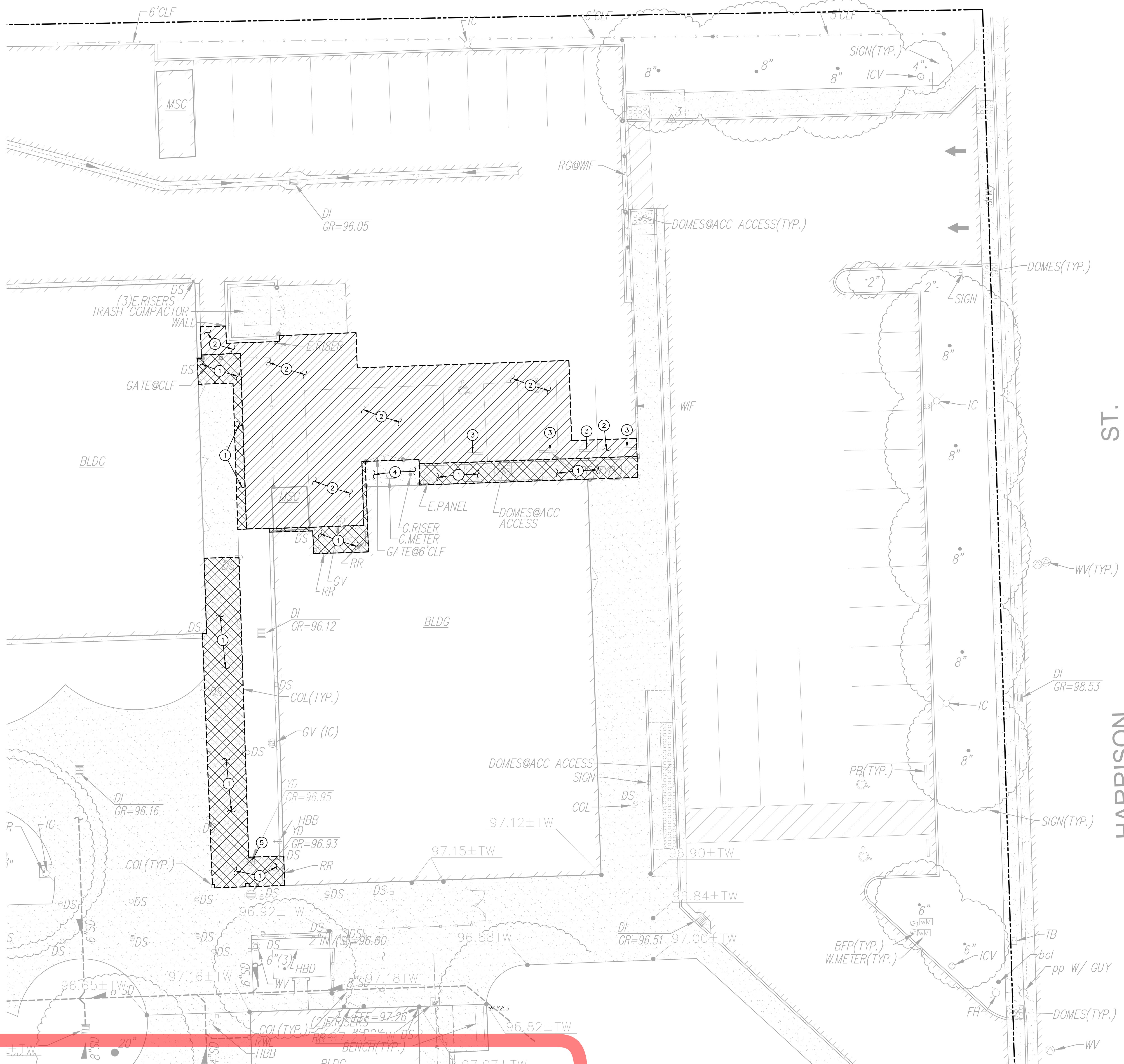
TOPOGRAPHIC SURVEY **C0.1**



**RUHNAU
CLARKE
ARCHITECTS**

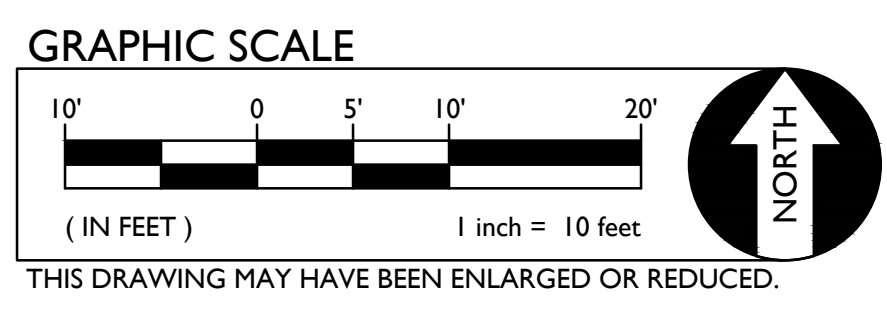


CONSULTANT BRANDING



- DEMOLITION NOTES**
- 1. REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING, CURB AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
 - 2. REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
 - 3. REMOVE AND DISPOSE OF EXISTING CONCRETE WHEEL STOP.
 - 4. UTILITY ENCLOSURE, ASSOCIATED FENCE AND GATES TO REMAIN AND BE PROTECTED.
 - 5. REMOVE AND DISPOSE OF EXISTING STORM DRAIN INLET.

- DEMOLITION GENERAL NOTES**
1. REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
 2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
 3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
 4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
 5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
 6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
 7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
 8. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
 9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
 10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
 11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
 12. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
 13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.



FOR REFERENCE ONLY

FILENAME: I:\24-074\CIVIL\DWG\24-074-C11.DWG

DATE	BY	CHECKED	REVISION

PROJECT No. :1-104-01
5/13/2024 10:15:14 AM

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

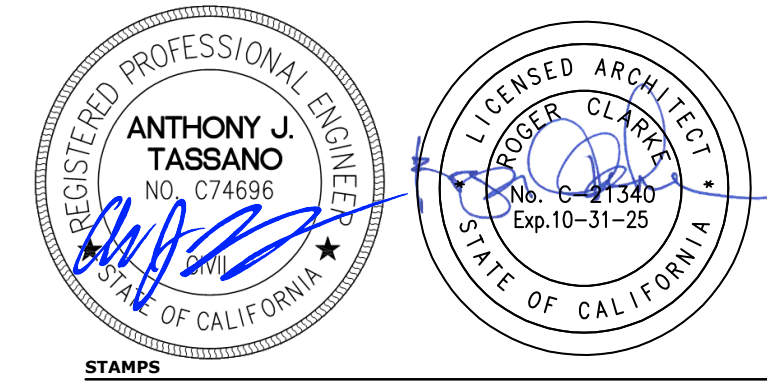
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

DEMOLITION PLAN

C1.1

3775 TENTH STREET, REDWOOD CITY, CALIFORNIA 94061 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD, CALIFORNIA 92010 (760) 438-9899

1-104-01



AGENCY APPROVAL

**RUHNAU
CLARKE
ARCHITECTS**



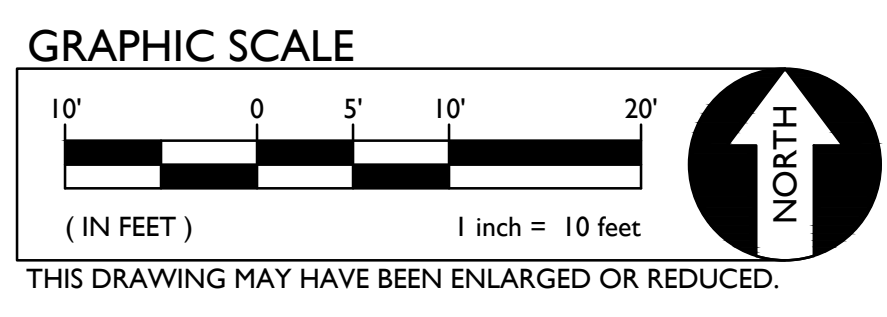
SUBGRADE PREPARATION
1. FOLLOWING SITE DEMOLITION ACTIVITIES:
EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION. SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES. MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. THE UPPER 6 INCHES OF SUBGRADE BENEATH ASPHALT PAVING SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY.

CONSTRUCTION / GRADING NOTES
1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE SIDEWALK PER (C4.1)
3. CONSTRUCT 6" WIDE FLUSH CURB PER (C4.1)
4. CONSTRUCT 6" WIDE VERTICAL CURB PER (C4.1)
5. CONSTRUCT SWALE.
6. PROPOSED SIDEWALK ELEVATION SHALL NOT BE MORE THAN 1/4" BELOW EXISTING FINISH FLOOR ELEVATION.
7. PLACE TRUNCATED DOMES PER (C4.1)
8. TURF DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH SOD. SPRINKLERS/IRRIGATION DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO MAINTAIN COVERAGE INTEGRITY.



HARRISON ST.

FOR REFERENCE ONLY



PROJECT No. : 1-104-01
5/13/2024 10:15:14 AM

DATE	BY	CHKD	APP	REV

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

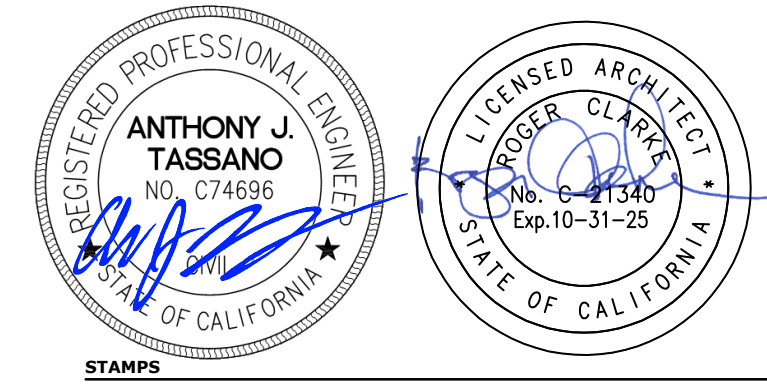
GRADING PLAN

C2.1

MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

3775 TENTH STREET, REDWOOD CITY, CALIFORNIA 94061 | (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD, CALIFORNIA 92010 | (760) 438-9899

FILENAME: I:\24-074\CIVIL\DWG\24-074-C2.1.DWG



AGENCY APPROVAL
FILE NO. 24-074-C31

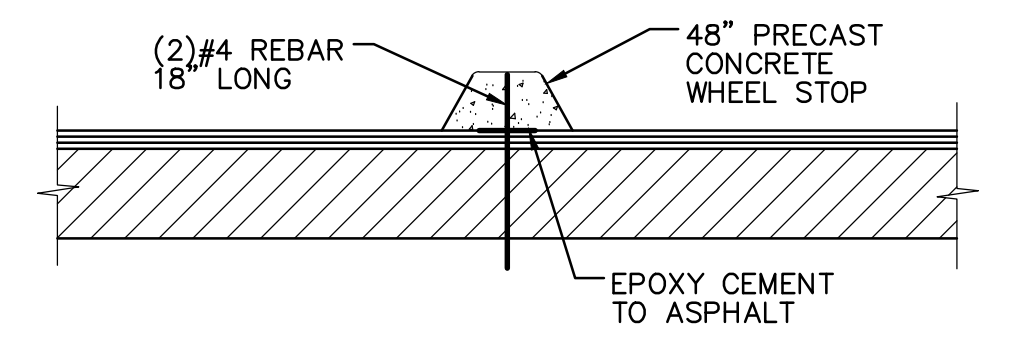


**RUHNAU
CLARKE**
ARCHITECTS

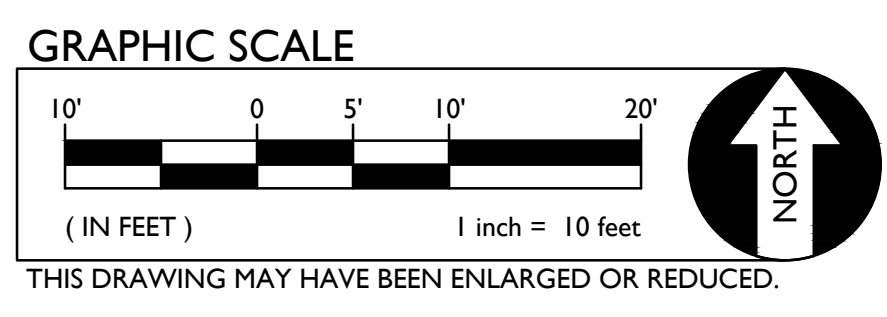
- PAVING GENERAL NOTES:**
- AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
 - ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
 - RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CALTRANS SPECIFICATIONS FOR CLASS II AB.
 - PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER;
 - POT HOLLING ALL EXISTING UTILITIES.
 - THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
 - ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
 - REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
 - ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. REPLACE PER PLAN.

- PAVING LEGEND**
- 1 TYPE 1 PAVING**
PLACE .5" AC OVER 12" CLASS II AB ON COMPACTED SUBGRADE. PLACE TWO (2) APPLICATIONS OF SEAL COAT. SEAL COAT TO BE PLACED A MINIMUM OF 30 DAYS FOLLOWING PLACEMENT OF ASPHALT.
 - 2 TYPE 2 PAVING**
PLACE .5" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 12" CLASS II AB ON COMPACTED SUBGRADE. 1 C4.1
 - 3 TYPE 3 PAVING**
PLACE .6" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 12" CLASS II AB ON COMPACTED SUBGRADE. 1 C4.1

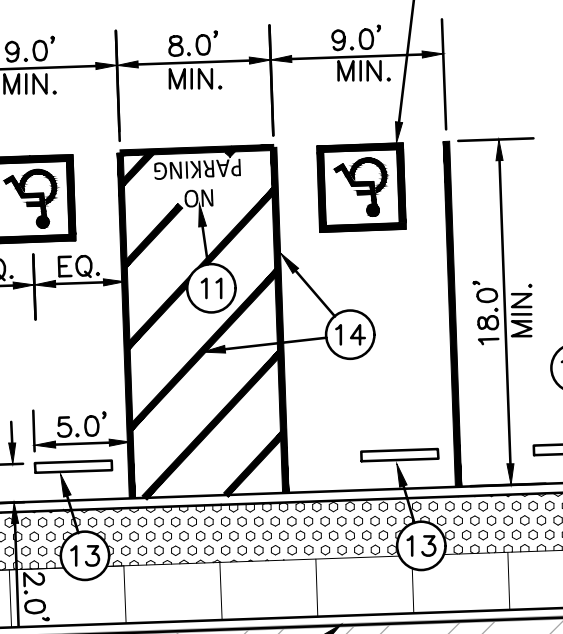
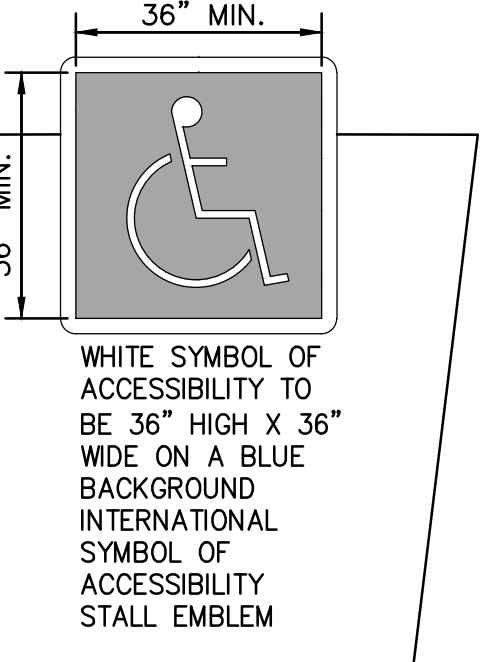
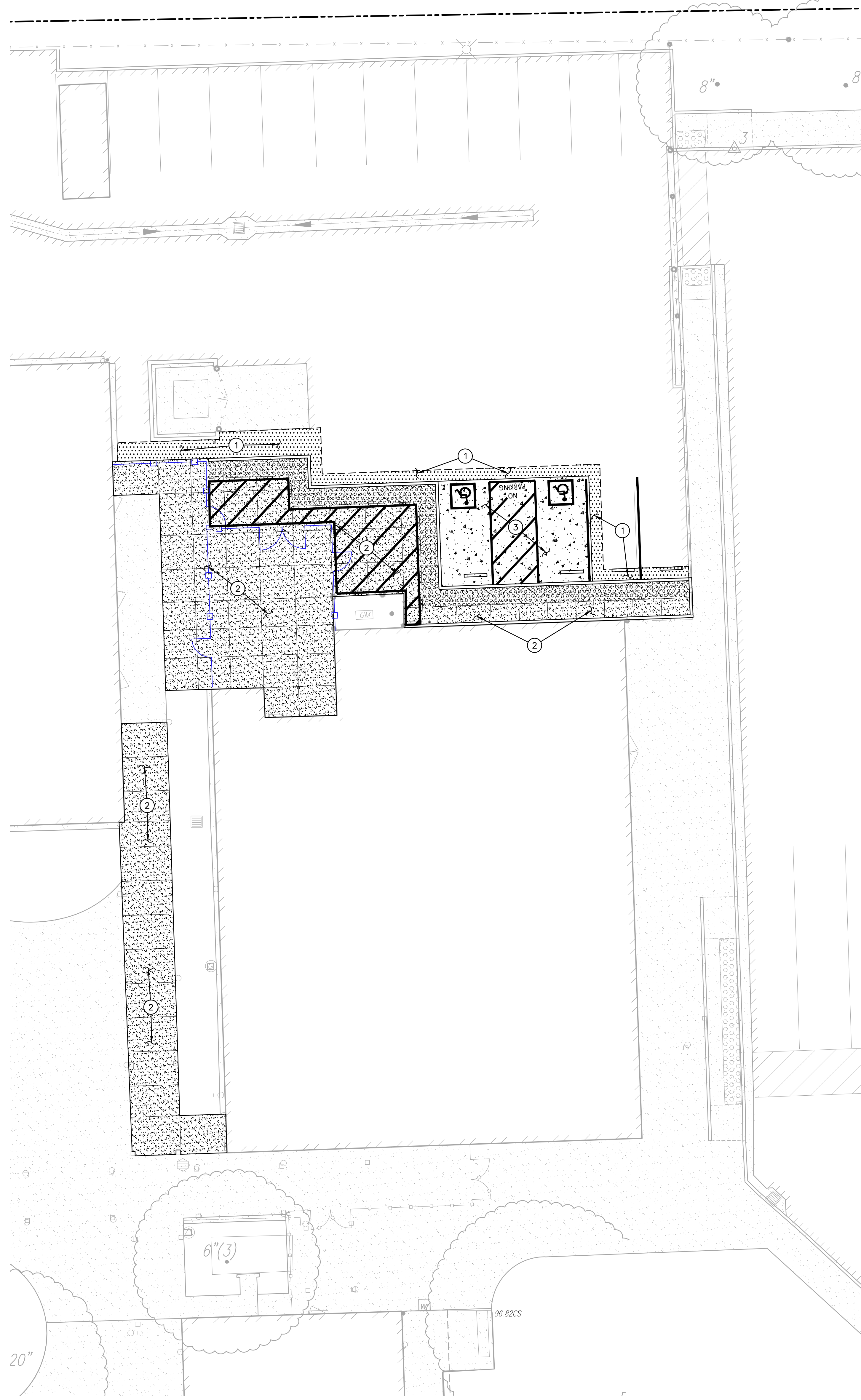
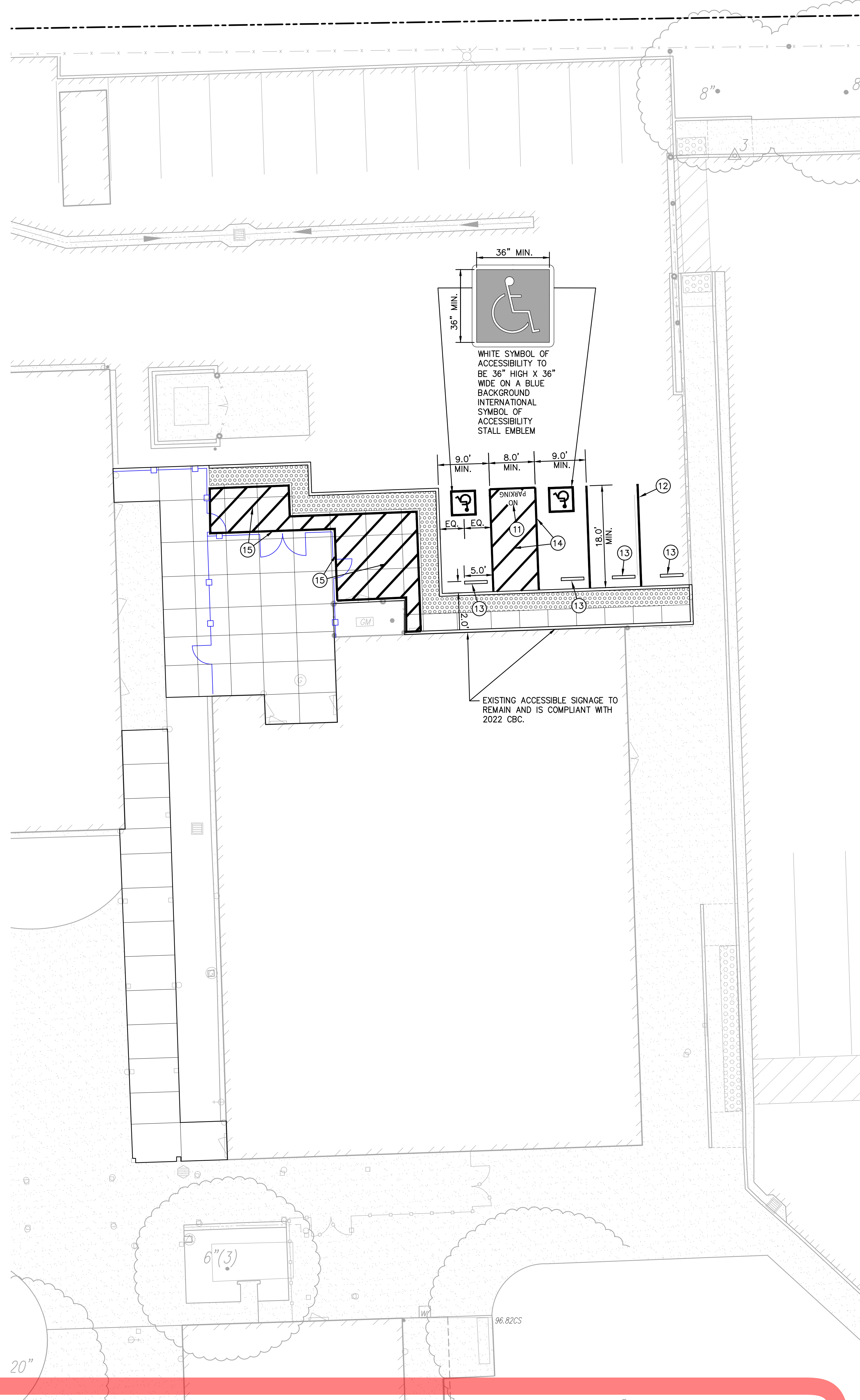
- STRIPING NOTES**
- PAINT 12" HIGH, WHITE LETTERING EXPRESSING "NO PARKING".
 - PROVIDE 4" WIDE WHITE STRIPE.
 - PROVIDE CONCRETE WHEEL STOP PER 1 C3.1
 - PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING AREA WITH BLUE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30' FROM PERPENDICULAR WITH PERIMETER STRIPING.
 - PROVIDE 4" WIDE, WHITE BORDER, WITHIN THE WHITE BORDER DIAGONAL LINES THAT ARE A MAXIMUM OF 36" O.C.



1 **CONCRETE WHEEL STOP**
NO SCALE



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



EXISTING ACCESSIBLE SIGNAGE TO REMAIN AND IS COMPLIANT WITH 2022 CBC.

FOR REFERENCE ONLY

FILENAME: 24-074-C31.DWG

DATE	BY	CHECKED BY

PROJECT No. :1-104-01
5/13/2024 10:15:14 AM

RUHNAUCLARKE.COM

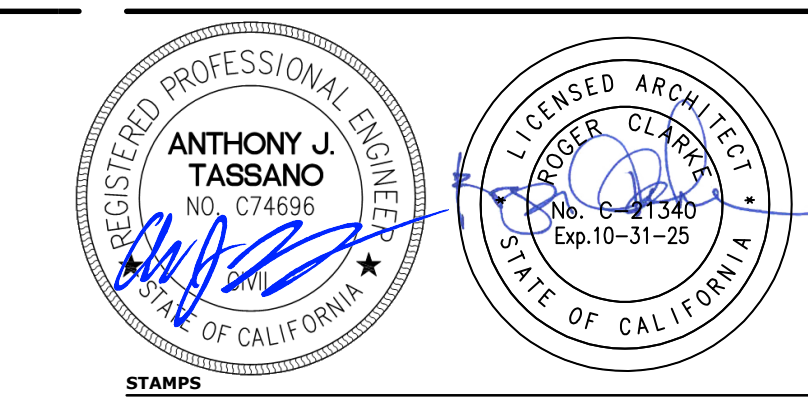
3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

PAVING AND STRIPING PLAN

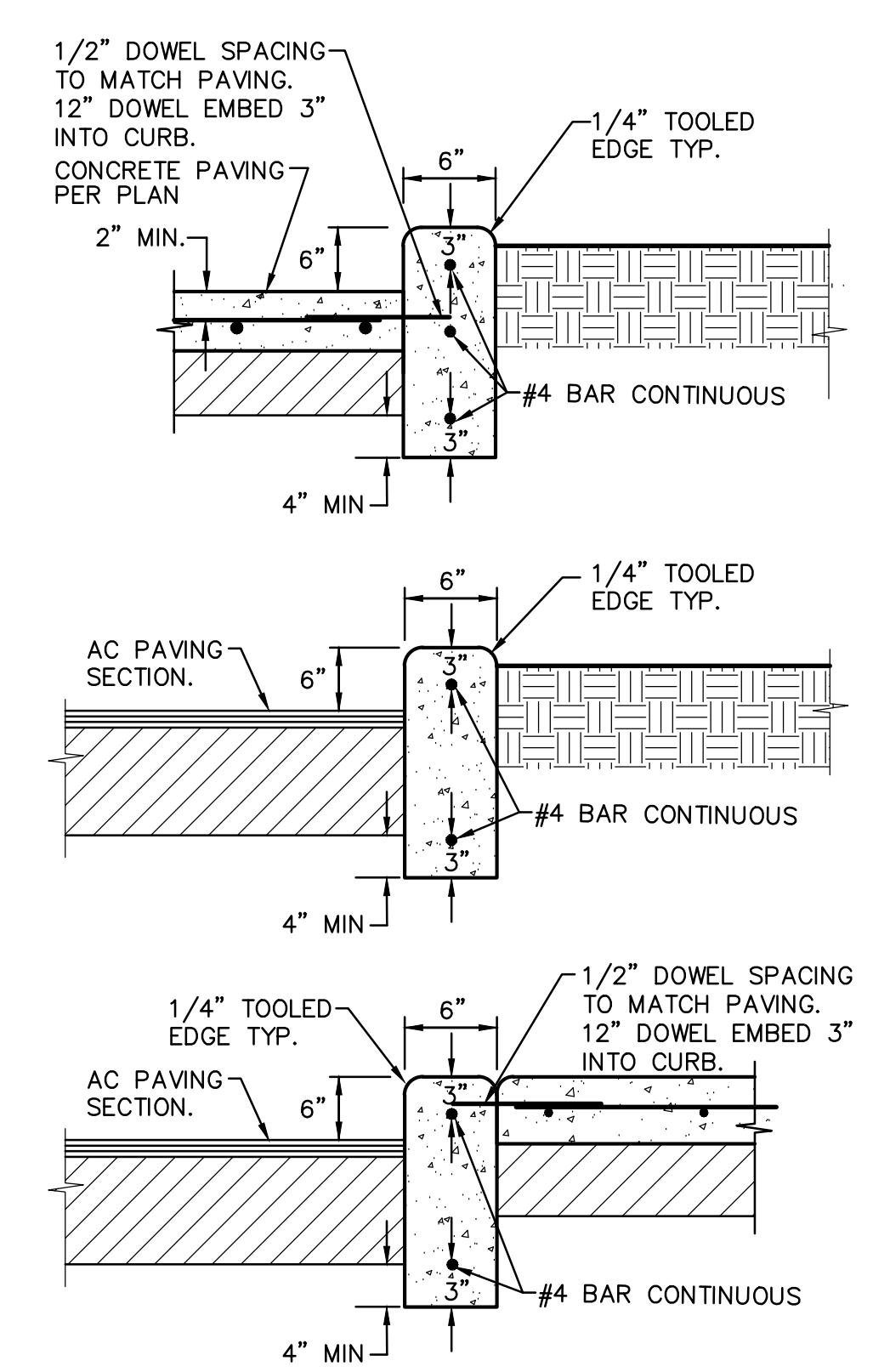
C3.1



AGENCY APPROVAL
FIG. NO. 00000000000000000000

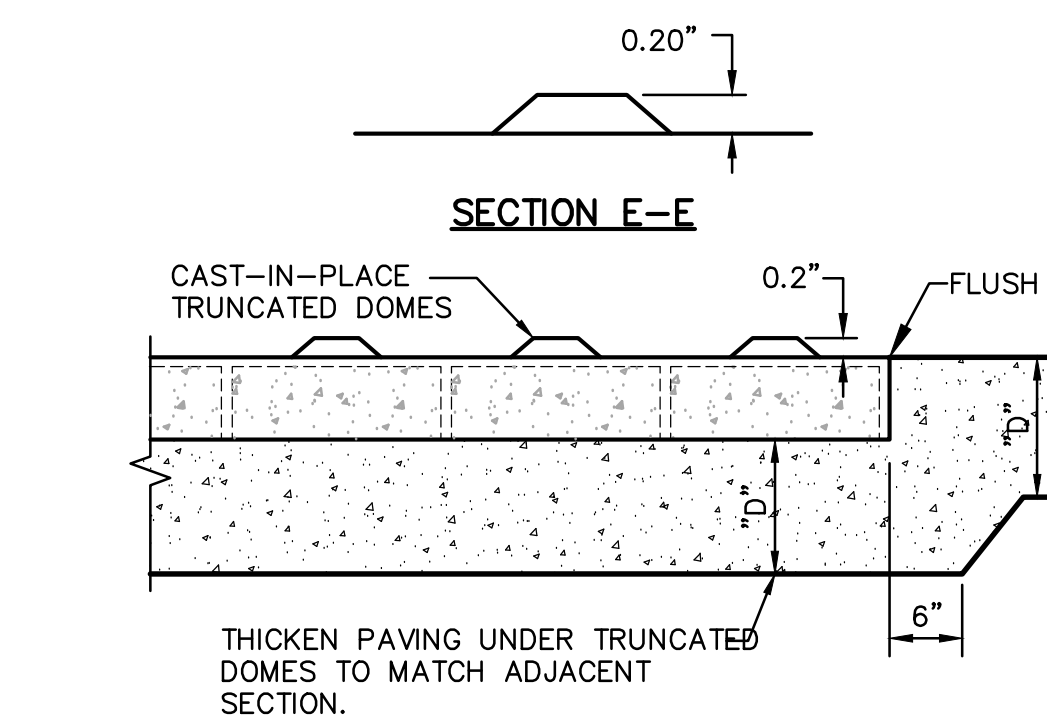
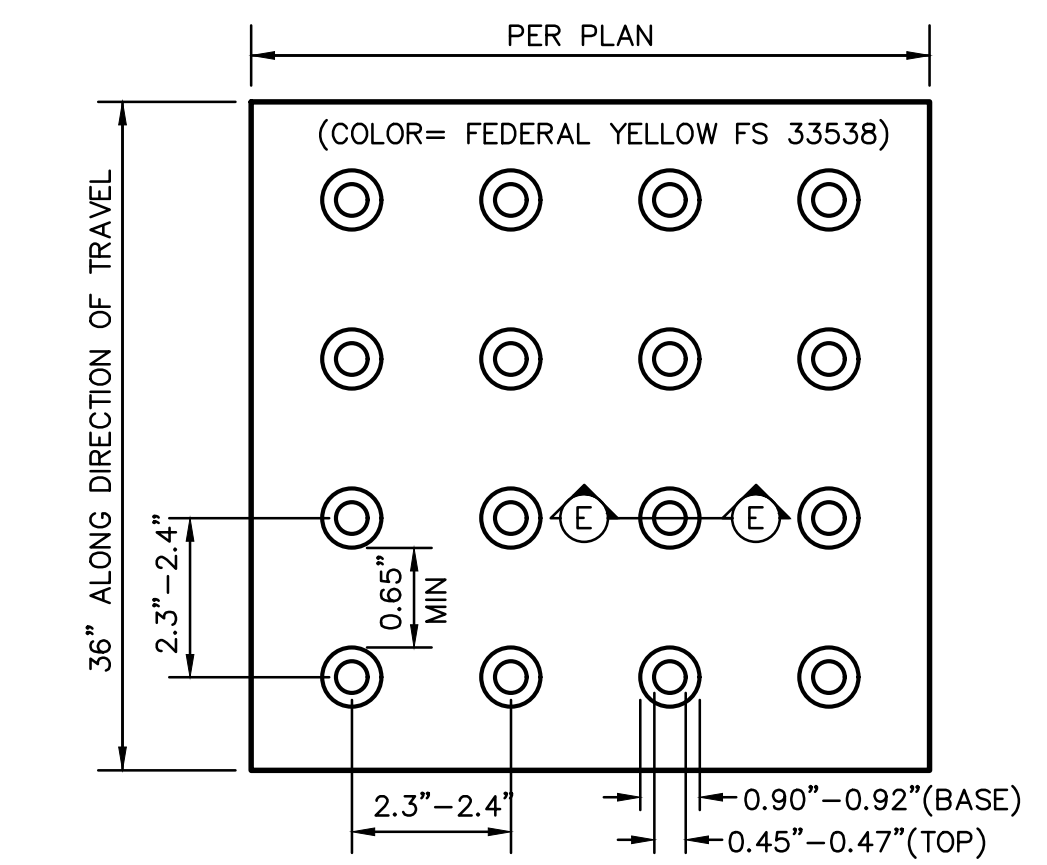


**RUHNAU
CLARKE**
ARCHITECTS

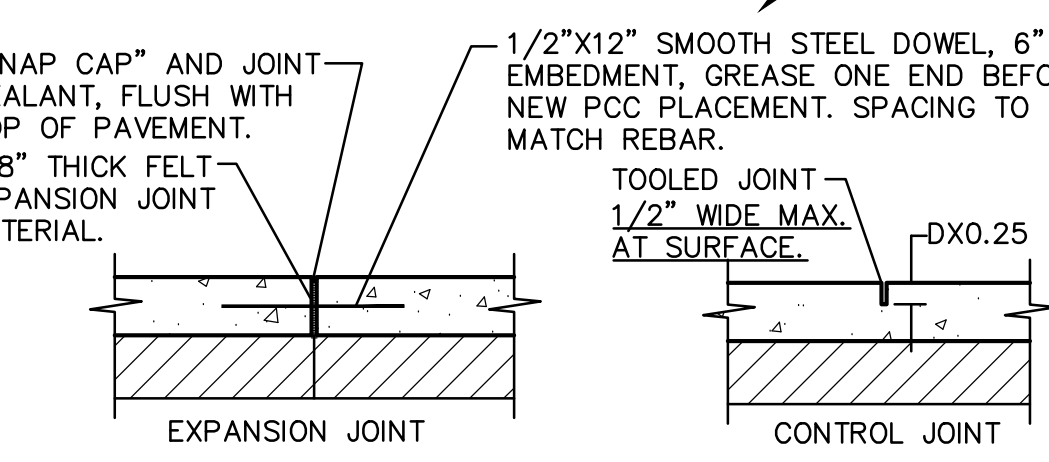
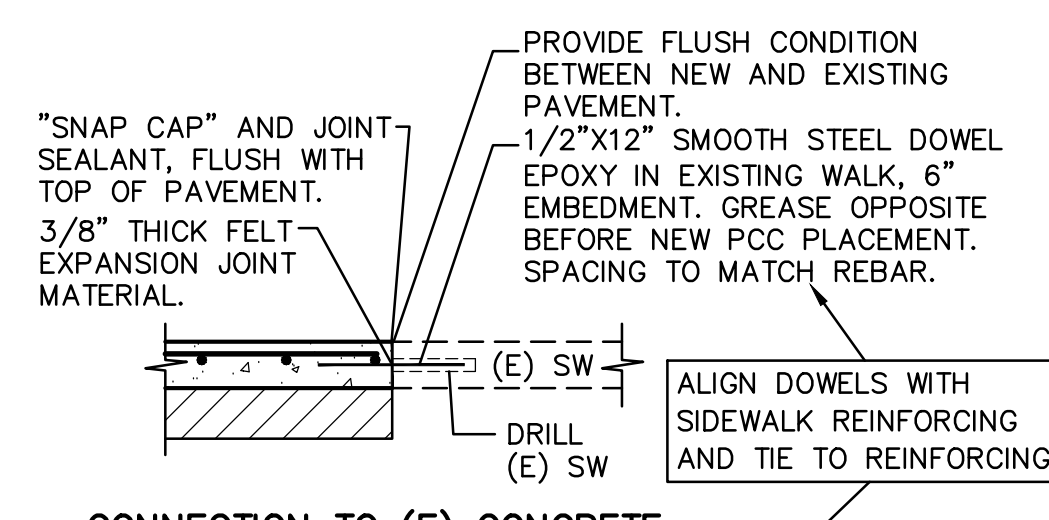
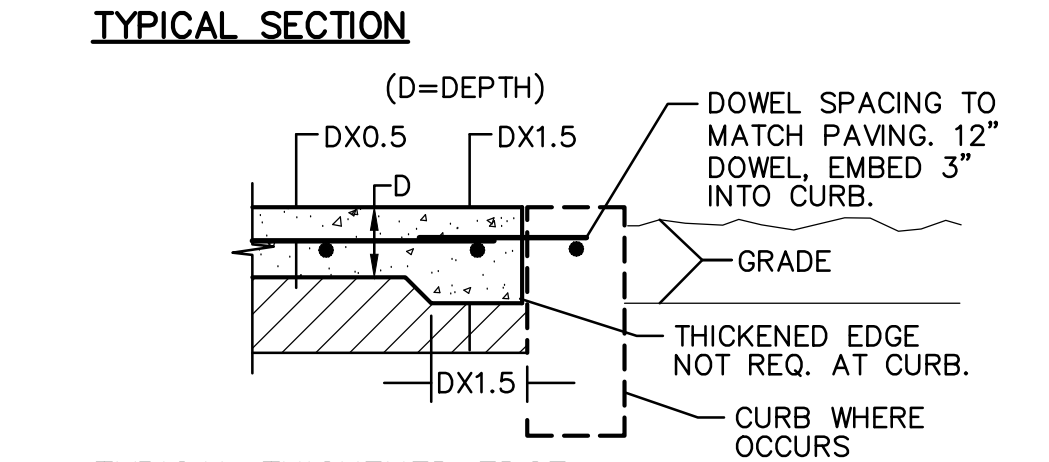
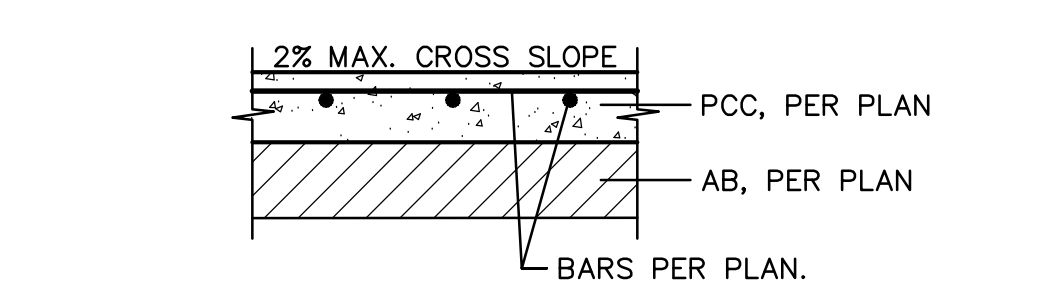


- NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS. THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 2. AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

3
C4.1 CONCRETE CURB NO SCALE

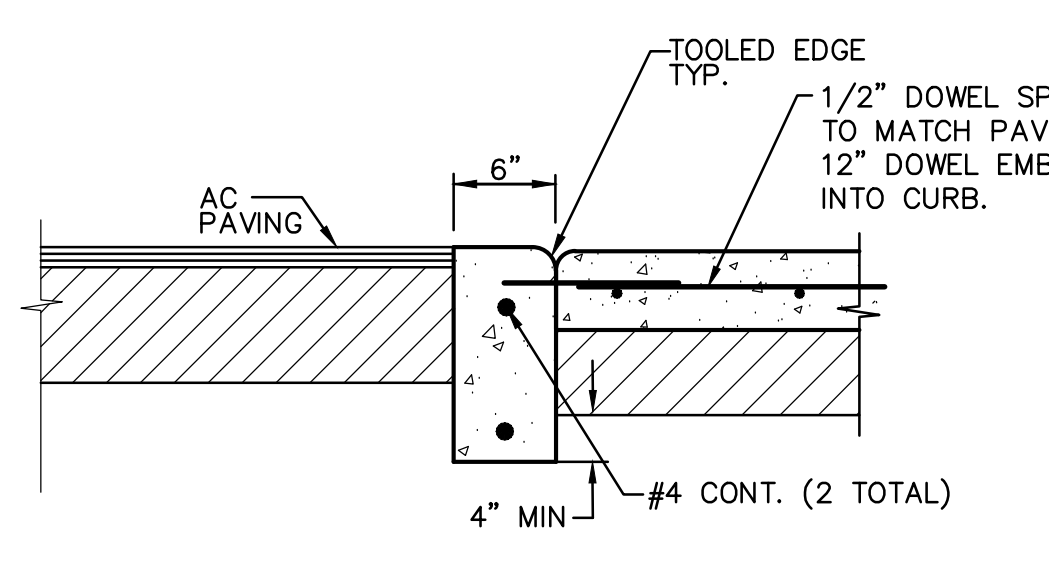


4
C4.1 TRUNCATED DOMES NO SCALE



- NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
 2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
 3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1
C4.1 CONCRETE SIDEWALK NO SCALE



- NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS. THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 2. AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

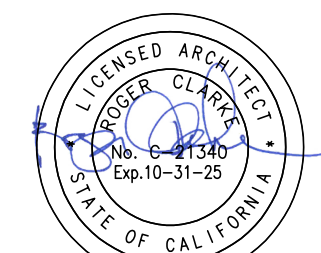
2
C4.1 FLUSH CONCRETE CURB NO SCALE

FILENAME: I:\24-074\CIVIL\DWG\24-074-C41.DWG

FOR REFERENCE ONLY

PROJECT No. :1-104-01
5/13/2024 10:15:14 AM

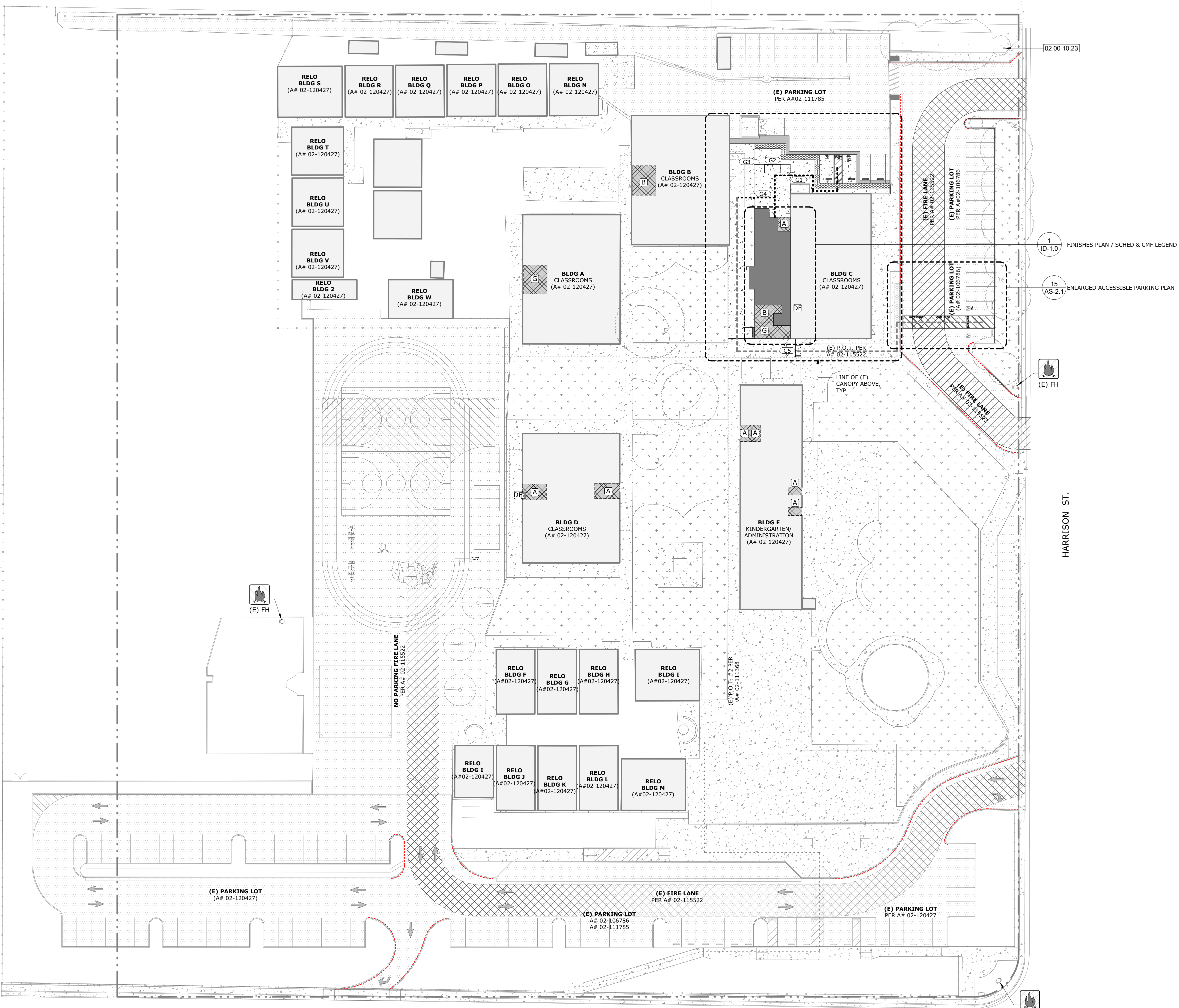
DATE	BY	CHKD	REV



**RUHNAU
CLARKE
ARCHITECTS**

STAMPS
AGENCY APPROVAL
CONSULTANT BRANDING

- AREA OF WORK
- 3 ENLARGED SITE PLAN - DEMO
 - 5 ENLARGED SITE PLAN - NEW



KEYNOTES

NOTE: SPECIFIC DEMOLITION SCOPE IS INDICATED BY KEYNOTES 02.41.00.00 THRU 02.41.00.99. SEE NOTES, GENERAL NOTES, DETAILS, AND DOCUMENTS PREPARED BY OTHER DISCIPLINES FOR INFORMATION AND FULL SCOPE OF DEMOLITION.

- 02.00.10.23 (E) UNAUTHORIZED VEHICLE TOWING SIGN PER A#02-115522

GENERAL NOTES

- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF SITE AND IT IS THEIR SOLE RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION BASED UPON THE PROPOSED NEW WORK.
- PATCH AND REPAIR ANY PAVING DAMAGE CAUSED BY DEMOLITION BEYOND EXTENTS SPECIFIED. REPAIR TO MATCH EXISTING.
- FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CBC 2022 CHAPTER 33.
- REFER TO SPECIFICATIONS FOR CONSTRUCTION WASTE MANAGEMENT REQUIREMENTS. CUT & CAP (E) UTILITIES AS REQUIRED.
- REFER TO CIVIL DRAWINGS FOR MORE INFORMATION ON LIMITS OF DEMO WORK.
- NO DEMOLITION WORK SHALL BEGIN UNTIL PLANS INCLUDING DEMOLITION WORK HAVE BEEN APPROVED BY THE DIVISION OF STATE ARCHITECT (DSA).
- KEYNOTE STARTING WITH 02 ARE NOT PART OF THE SCOPE AND SPEC CHAPTERS WILL NOT BE PROVIDED (OR NOT REQUIRED).
- LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.

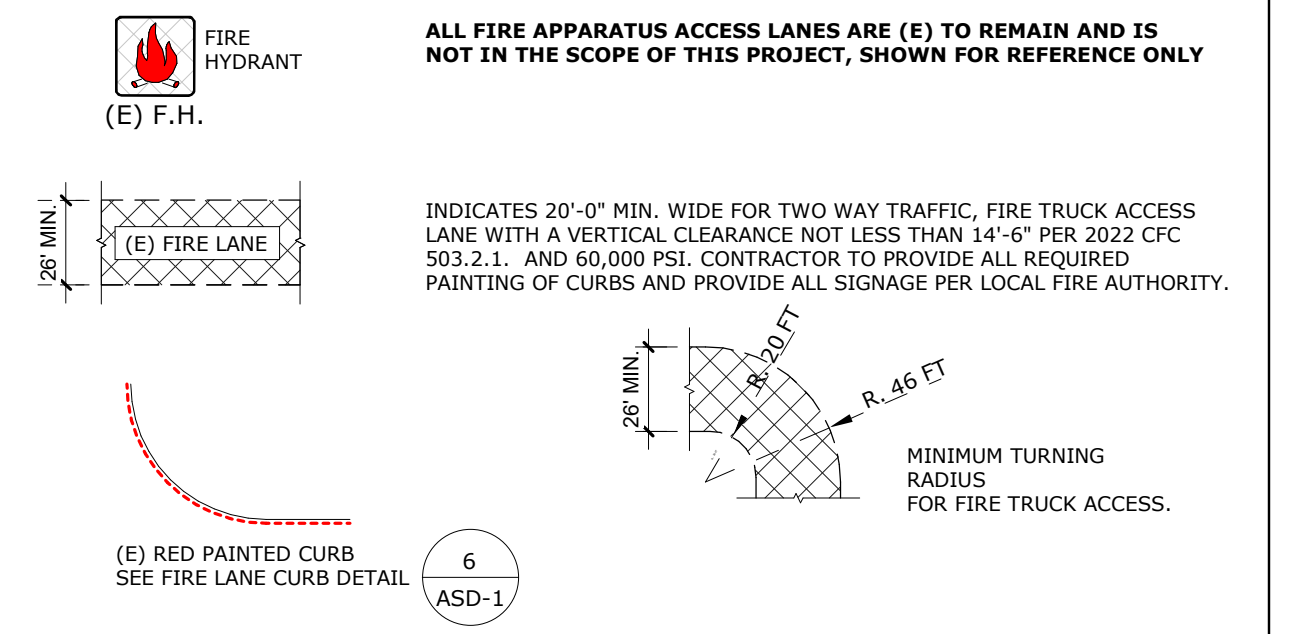
P.O.T.

PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (P.O.T.) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 118-303 & 118-304

DESIGN PROFESSIONAL, IN GENERAL, RESPONSIBLE CHARGE STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT (1.) HAVE BEEN IDENTIFIED AND 2.) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HANDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

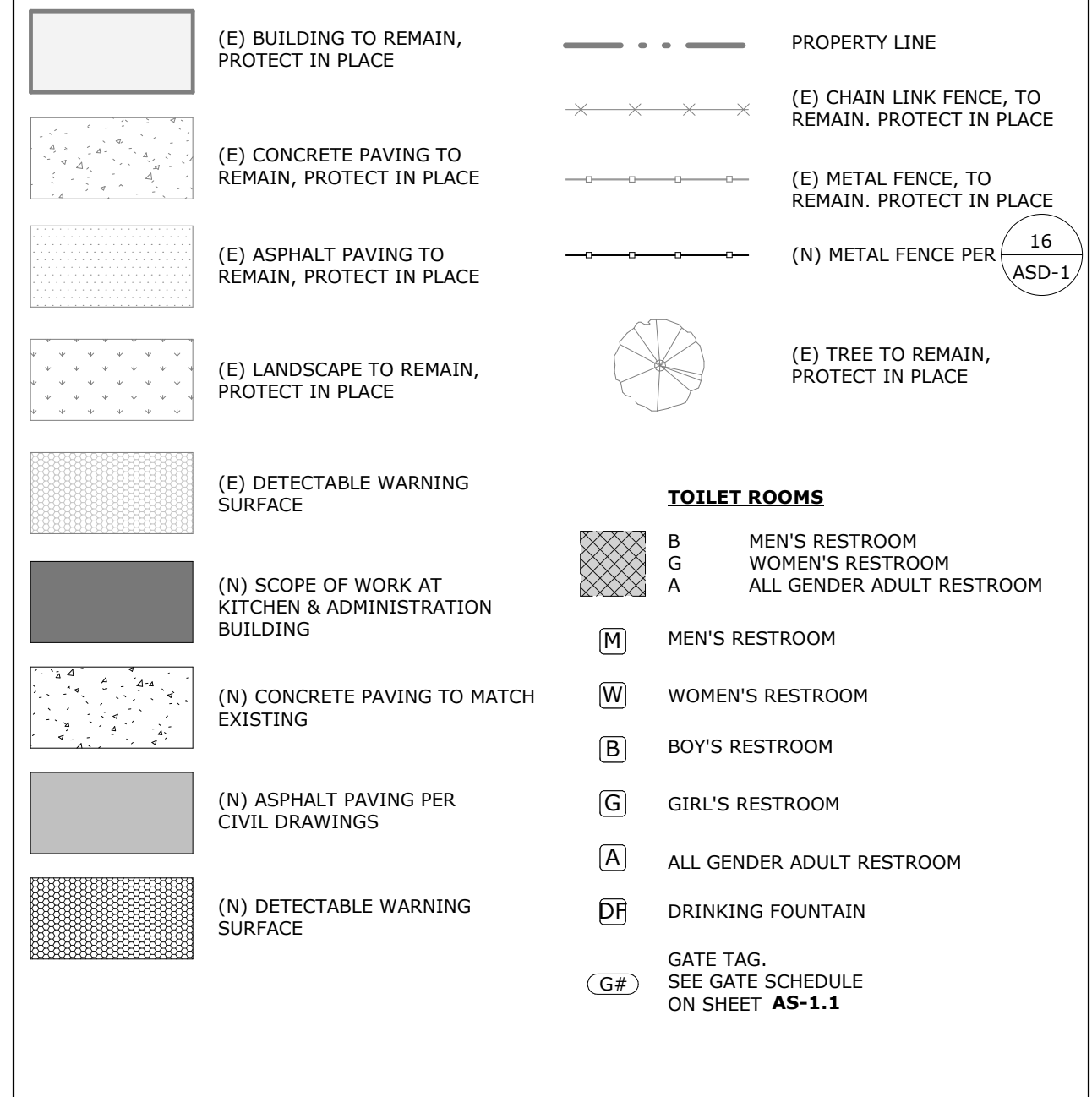
- (E) P.O.T. (A#02-115522) APPROVED DSA A#S: A# 02-115522 (CERTIFIED 2017)
- (N) P.O.T.

FIRE LEGEND



NOTE: FIRE LANE HATCHING AND DASHED LINE WORK ON CONCRETE PAVING IS FOR REFERENCE ONLY. CONTRACTOR NOT REQUIRED TO PAINT STRIPING RELATED TO FIRE APPARATUS ACCESS LANE.

SITE LEGEND



DSA 810

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications websites.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and traced onto the fire access site plan. When an alternate design means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION

School District/Owner: MADISON ELEMENTARY SCHOOL
 Project Name/School: MADISON ES KITCHEN MODERNIZATION PROJECT
 Project Address: 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660

FIRE & LIFE SAFETY INFORMATION

- Has a fire hydrant flow test been performed within the past 12 months? Yes No
- Was the fire hydrant water flow test performed as part of this LFA review? Yes No
- Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? Yes No

Refer to the following website for FHSZ locations: <http://maps.fire.ca.gov/FHSZ/> Moderate High Very High

Wildland Interface Area (WIFA) If any designations are checked, project design must meet the requirements of CBC Chapter 7A. WIFA

DSA DSA 810 (revised 10/2020) DEPARTMENT OF GENERAL SERVICES Page 1 of 4 DIVISION OF THE STATE ARCHITECT STATE OF CALIFORNIA

GATE SCHEDULE

GATE NO.	TYPE	GATE SIZES		MATERIAL	FINISH	HDWR GROUP	DETAIL	PANIC	NOTES
		WIDTH	HEIGHT						
G1	(N) SINGLE GATE	3' - 0"	6' - 0"	STEEL	OSF-1	09	20/ASD-1	YES	1,2,4
G2	(N) DOUBLE GATE	10' - 1"	6' - 0"	STEEL	OSF-1	10	19/ASD-1	-	3
G3	(N) SINGLE GATE	3' - 0"	6' - 0"	STEEL	OSF-1	11	20/ASD-1	YES	2,4
G4	(N) SINGLE GATE	3' - 0"	6' - 0"	STEEL	OSF-1	09	20/ASD-1	YES	1,2,4
G5	(E) DOUBLE GATE	6' - 10"	6' - 0"	(E) STEEL	OSF-1	(E)	20/ASD-1	(E)	1,2,4

ABBREVIATIONS
(E) EXISTING

NOTES:
1. NO PADLOCKS ON EXIT GATES IN THE PATH OF EGRESS.
2. GATES SHALL HAVE SIBS MAX OPERATING PRESSURE.
3. SERVICE GATE.
4. PEDESTRIAN GATE.

REFERENCE FINISH SCHEDULE FOR FINISH & MATERIAL INFORMATION

FOR REFERENCE ONLY

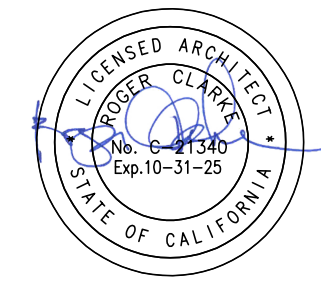
PROJECT No. 1-10-402
7/5/2024 2:16:46 PM

DRAWN BY: _____ CHECKED BY: _____
 DELTA # _____ DATE _____ ADO # _____ APO # _____ CDD # _____ REV # _____
 DELTA # _____ DATE _____ ADO # _____ APO # _____ CDD # _____ REV # _____
 DELTA # _____ DATE _____ ADO # _____ APO # _____ CDD # _____ REV # _____

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

OVERALL SITE PLAN AS-1.1



**RUHNAU
CLARKE
ARCHITECTS**

AGENCY APPROVAL
DATE: 7/5/2024 2:16:49 PM

CONSULTANT BRANDING

GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF SITE AND IT IS THEIR SOLE RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION BASED UPON THE PROPOSED NEW WORK.
3. PATCH AND REPAIR ANY PAVING DAMAGE CAUSED BY DEMOLITION BEYOND EXTENTS SPECIFIED. REPAIR TO MATCH EXISTING.
4. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CBC 2022 CHAPTER 33.
5. REFER TO SPECIFICATIONS FOR CONSTRUCTION WASTE MANAGEMENT REQUIREMENTS. CUT & CAP (E) UTILITIES AS REQUIRED.
6. REFER TO CIVIL DRAWINGS FOR MORE INFORMATION ON LIMITS OF DEMO WORK.
7. NO DEMOLITION WORK SHALL BEGIN UNTIL PLANS INCLUDING DEMOLITION WORK HAVE BEEN APPROVED BY THE DIVISION OF STATE ARCHITECT (DSA).
8. KEYNOTE STARTING WITH 02 ARE NOT PART OF THE SCOPE AND SPEC CHAPTERS WILL NOT BE PROVIDED (OR NOT REQUIRED).
9. LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.

KEYNOTES

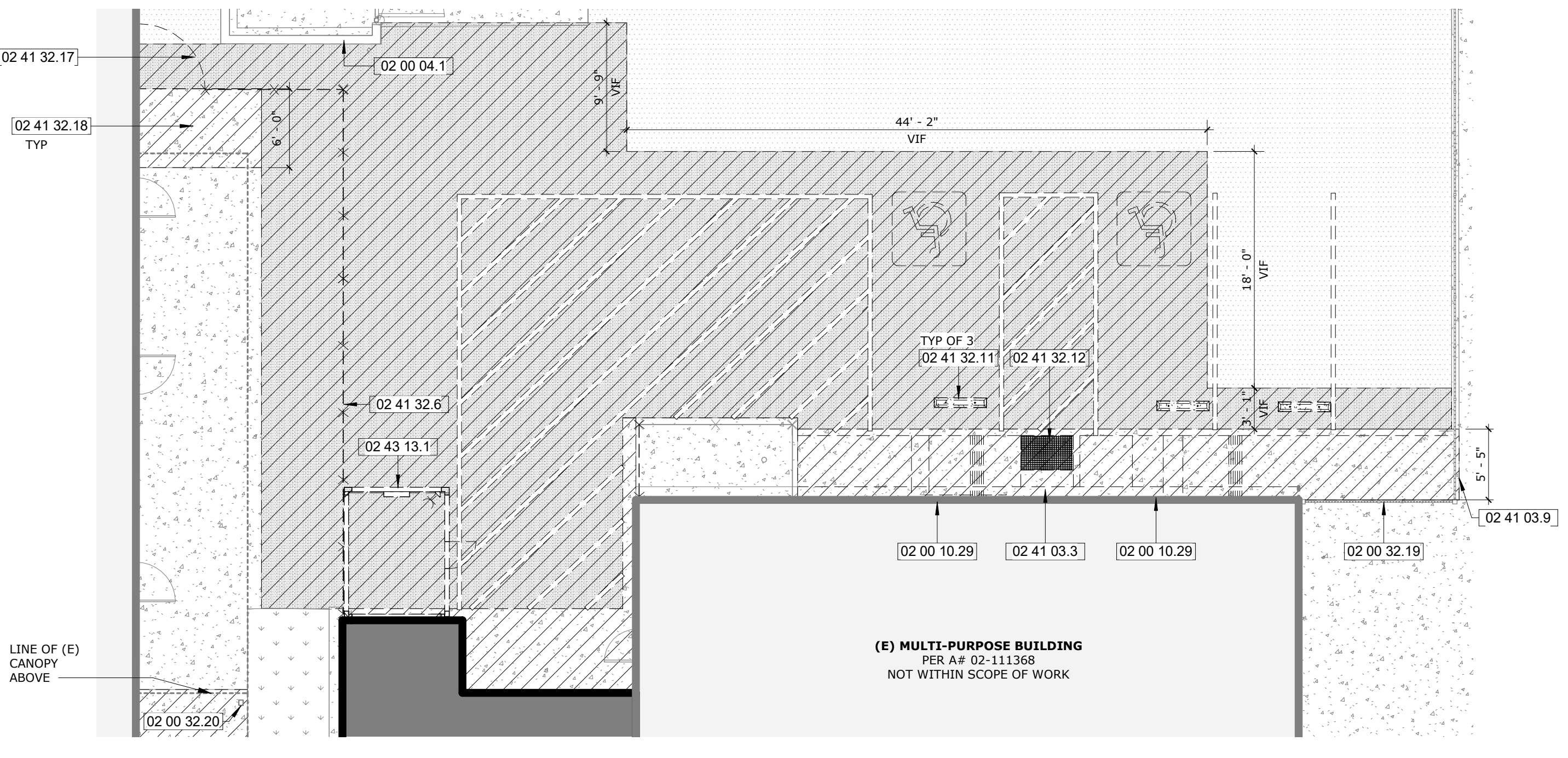
- NOTE: SPECIFIC DEMOLITION SCOPE IS INDICATED BY KEYNOTES 02.41.00.00 THRU 02.41.00.99. SEE NOTES, GENERAL NOTES, DETAILS, AND DOCUMENTS PREPARED BY OTHER DISCIPLINES FOR INFORMATION AND FULL SCOPE OF DEMOLITION.
- 03 48 26.1 (N) PRECAST CONCRETE PARKING BUMPERS
 - 10 14 23.16 (E) ACCESSIBLE PARKING SIGNAGE, TO BE CENTERED IN MIDDLE OF NEW PARKING STALL
 - 10 14 23.17 (E) VAN ACCESSIBLE PARKING SIGNAGE, TO BE CENTERED IN MIDDLE OF NEW PARKING STALL
 - 22 13 19.26 GREASE INTERCEPTOR PER PLUMBING DWGS
 - 32 16 13.13 CAST IN PLACE CONCRETE CURBS
 - 32 17 14 (N) DETECTABLE WARNING SURFACE
 - 32 17 23.1 (N) 4" PAINTED WHITE PAVEMENT MARKINGS
 - 32 17 23.2 (N) PAINTED ACCESSIBLE PARKING EMBLEM PER CBC FIG. 11B-703.7.2.1
 - 32 17 23.3 (N) 4" PAINTED BLUE PAVEMENT MARKINGS, COLOR TO BE FEDERAL STANDARD 595C
 - 32 17 23.4 (N) 12" HIGH WHITE TEXT PER 11B-502.3.3, STRIPING TO NOT OVERLAP TEXT
 - 32 31 01 RELOCATED (E) GATE
 - 32 31 16 (N) ACCESSIBLE METAL GATE, SEE GATE SCHEDULE FOR MORE DETAILS
 - 32 31 18 METAL FENCE
 - 32 31 19 DECORATIVE METAL GATE, FOR MORE INFO. SEE GATE SCHEDULE

KEYNOTE - EXISTING & DEMO

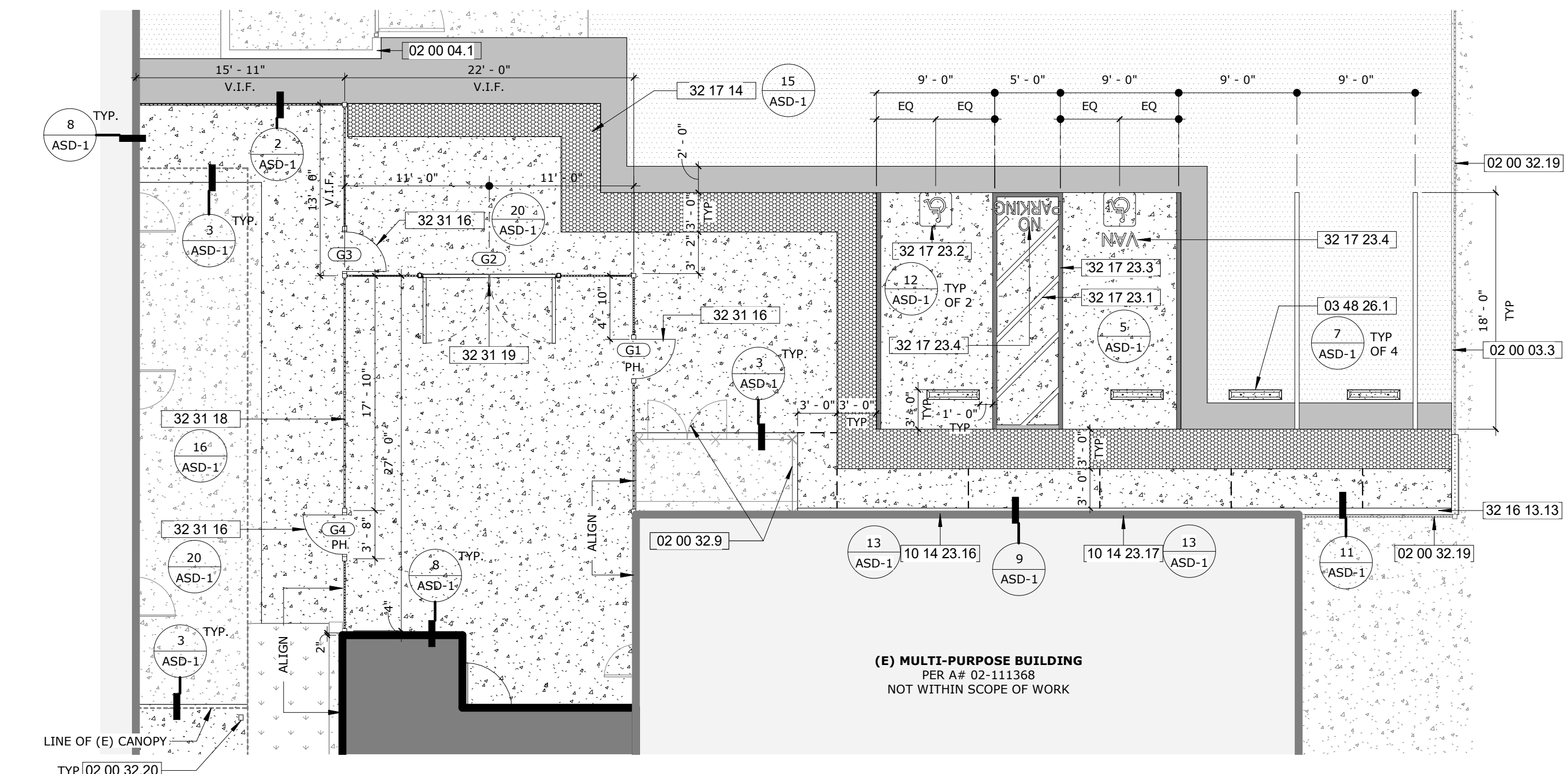
- NOTE: SPECIFIC DEMOLITION SCOPE IS INDICATED BY KEYNOTES 02.41.00.00 THRU 02.41.00.99. SEE NOTES, GENERAL NOTES, DETAILS, AND DOCUMENTS PREPARED BY OTHER DISCIPLINES FOR INFORMATION AND FULL SCOPE OF DEMOLITION.
- 02 00 03.3 (E) CONCRETE CURB TO REMAIN
 - 02 00 03.5 (E) CONCRETE WHEEL STOP TO REMAIN
 - 02 00 04.1 EXISTING CHU WALL TO REMAIN, PROTECT IN PLACE
 - 02 00 10.24 (E) ACCESSIBLE PARKING SIGNAGE PER A#02-111368, PROTECT IN PLACE
 - 02 00 10.25 (E) PASSENGER DROP-OFF SIGNAGE PER A#02-111368, PROTECT IN PLACE
 - 02 00 10.28 (E) VAN ACCESSIBLE PARKING SIGNAGE, PROTECT IN PLACE
 - 02 00 10.29 (E) WALL MOUNTED ACCESSIBLE PARKING SIGN TO BE REMOVED AND LOCATED PER NEW PLAN
 - 02 00 32.6 (E) INTERNATIONAL SYMBOL OF ACCESSIBILITY PAVEMENT SIGNAGE TO REMAIN
 - 02 00 32.8 (E) DETECTABLE WARNING SURFACE TO REMAIN, PROTECT IN PLACE
 - 02 00 32.9 (E) CHAINLINK FENCE AND GATE TO REMAIN, PROTECT IN PLACE
 - 02 00 32.19 (E) METAL FENCE TO REMAIN, PROTECT IN PLACE
 - 02 00 32.20 (E) CANOPY POST TO REMAIN, PROTECT IN PLACE
 - 02 41 03.3 DEMOLISH EXISTING CONCRETE CURB
 - 02 41 03.8 DEMOLISH PORTION OF (E) CONCRETE PAVING AND PREP FOR A NEW METAL FENCE FOOTING
 - 02 41 03.9 SAWCUT EXISTING CONCRETE PAVING/CURB, PREP FOR NEW CONCRETE CURB, REF CIVIL DRAWINGS
 - 02 41 32.6 DEMOLISH (E) CHAINLINK FENCE AND FOOTING IN ITS ENTIRETY
 - 02 41 32.11 DEMOLISH (E) WHEEL STOP CURB & REBAR. PREP AREA FOR NEW WHEEL STOP
 - 02 41 32.12 DEMOLISH (E) DETECTABLE WARNING SURFACE
 - 02 41 32.17 DEMOLISH (E) GATE IN ITS ENTIRETY
 - 02 41 32.18 DEMOLISH (E) CONCRETE PAVING, SAW-CUT AND PREP AREA TO ALLOW NEW CONCRETE PAVING
 - 02 41 32.19 REMOVE (E) GATE WITH CARE, RELOCATE PER NEW PLAN
 - 02 43 13.1 (E) STORAGE CONTAINER TO BE REMOVED AND RELOCATED PER DISTRICT, MIN 20' AWAY FROM ALL BLDGS

SITE LEGEND - DEMO & NEW

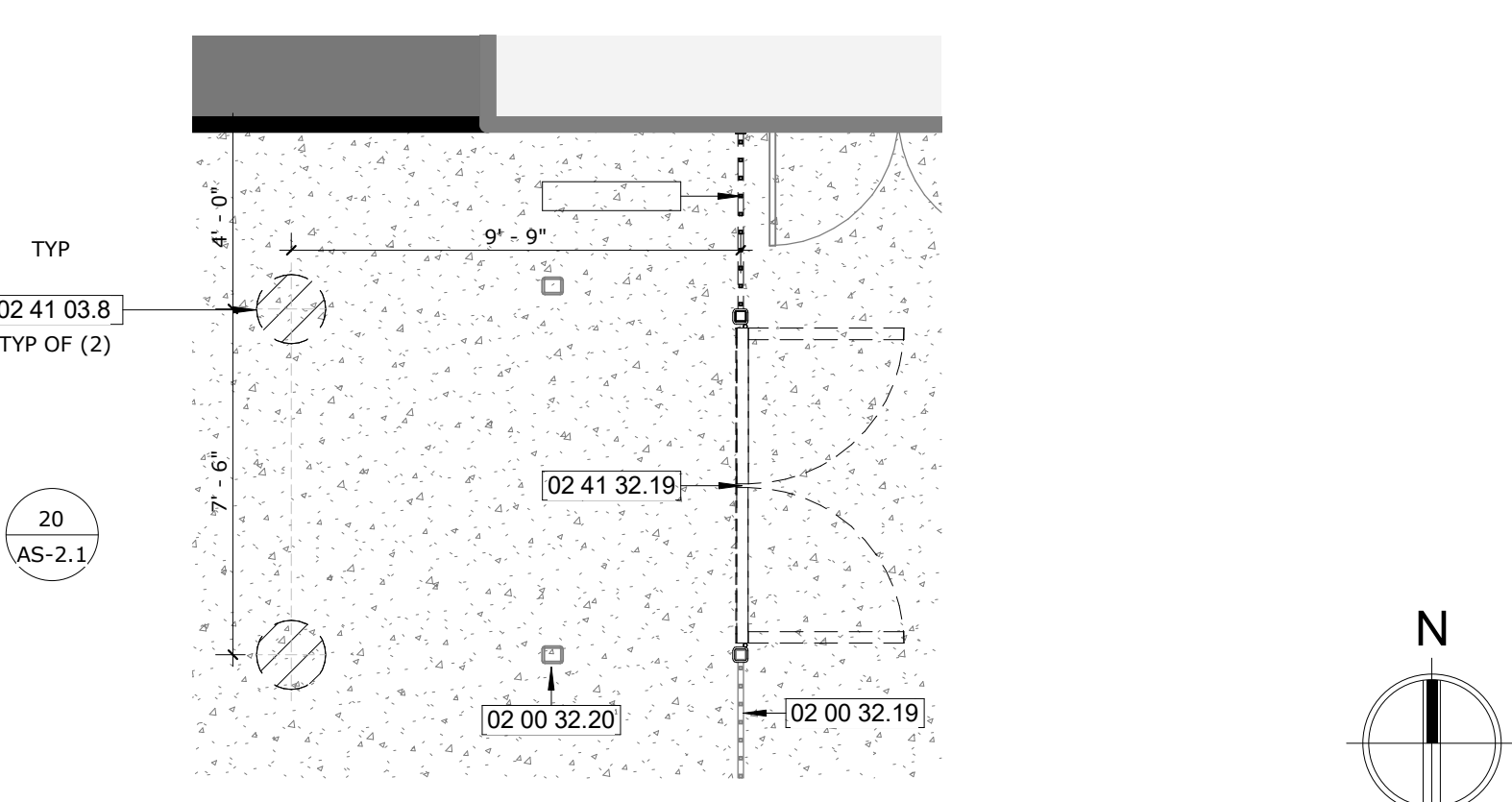
- (E) BUILDING TO REMAIN, PROTECT IN PLACE
- (E) LANDSCAPE TO REMAIN, PROTECT IN PLACE
- (E) CONCRETE PAVING TO REMAIN, PROTECT IN PLACE
- (E) ASPHALT PAVING TO REMAIN, PROTECT IN PLACE
- (E) DETECTABLE WARNING SURFACE TO REMAIN, PROTECT IN PLACE
- DEMO (E) ASPHALT PAVING PER CIVIL DWGS
- DEMO (E) CONCRETE PAVING PER CIVIL DWGS
- (N) SCOPE OF WORK AT KITCHEN
- (N) CONCRETE PAVING PER CIVIL DWGS, TO MATCH EXISTING
- (N) ASPHALT PAVING PER CIVIL DWGS, TO MATCH EXISTING
- (N) DETECTABLE WARNING SURFACE
- (E) CHAINLINK FENCE
- (N) METAL FENCE PER ASD-1
- GATE TAG. SEE GATE SCHEDULE ON SHEET AS-1.1
- (E) METAL FENCE PER ASD-1



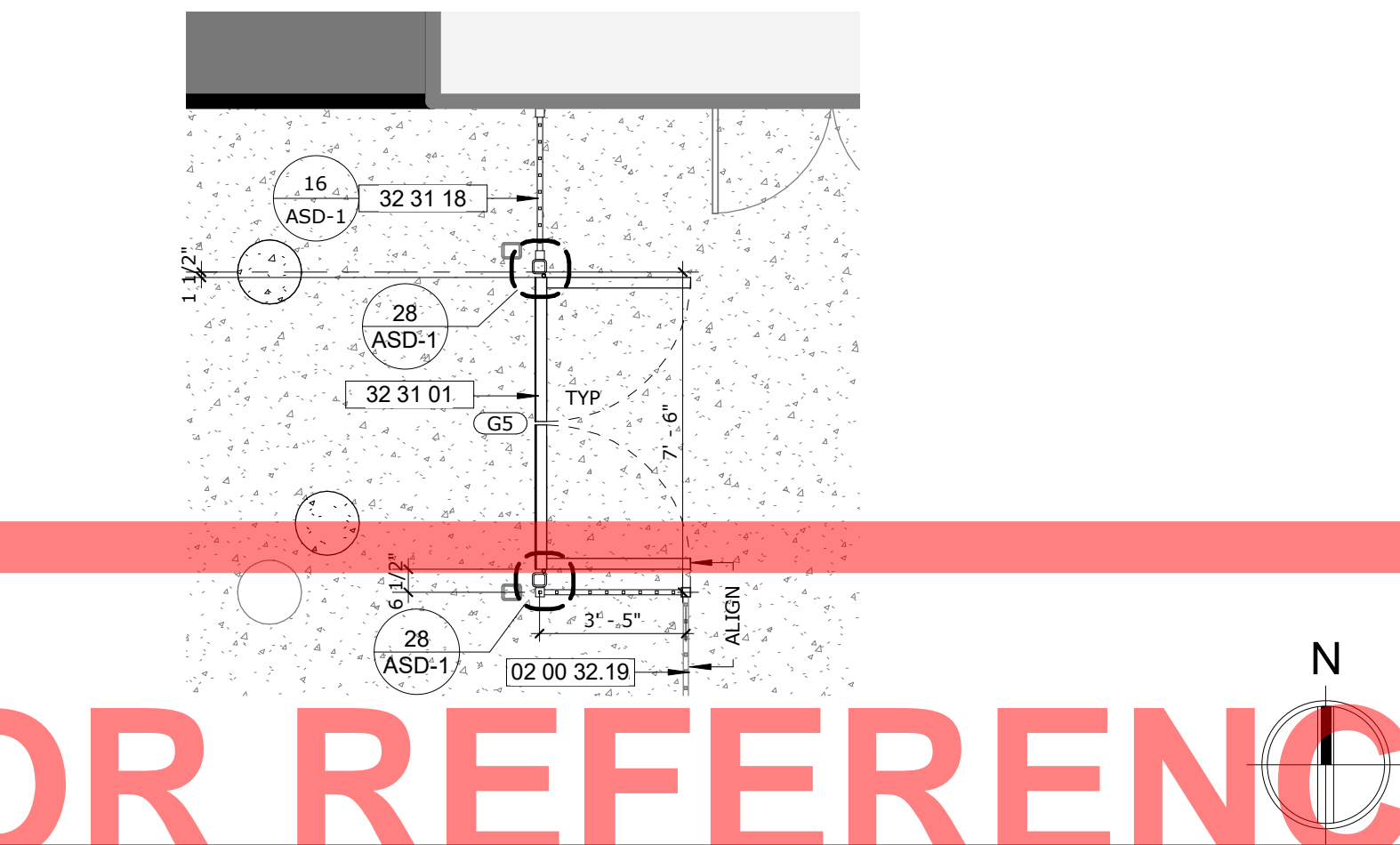
ACCESSIBLE PARKING ENLARGED SITE PLAN - DEMO SCALE: 1/8" = 1'-0" 12



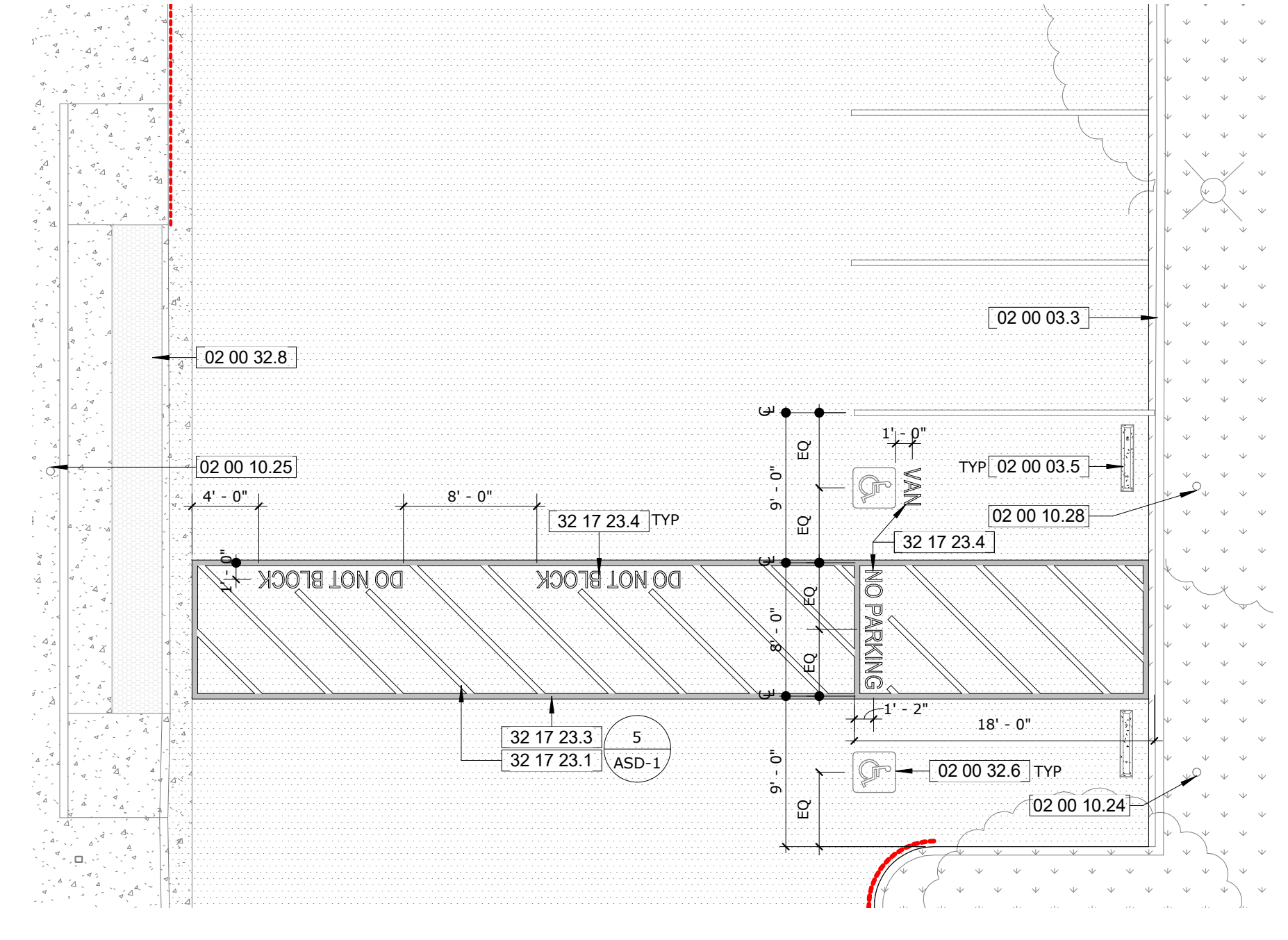
ACCESSIBLE PARKING ENLARGED SITE PLAN - NEW SCALE: 1/8" = 1'-0" 13



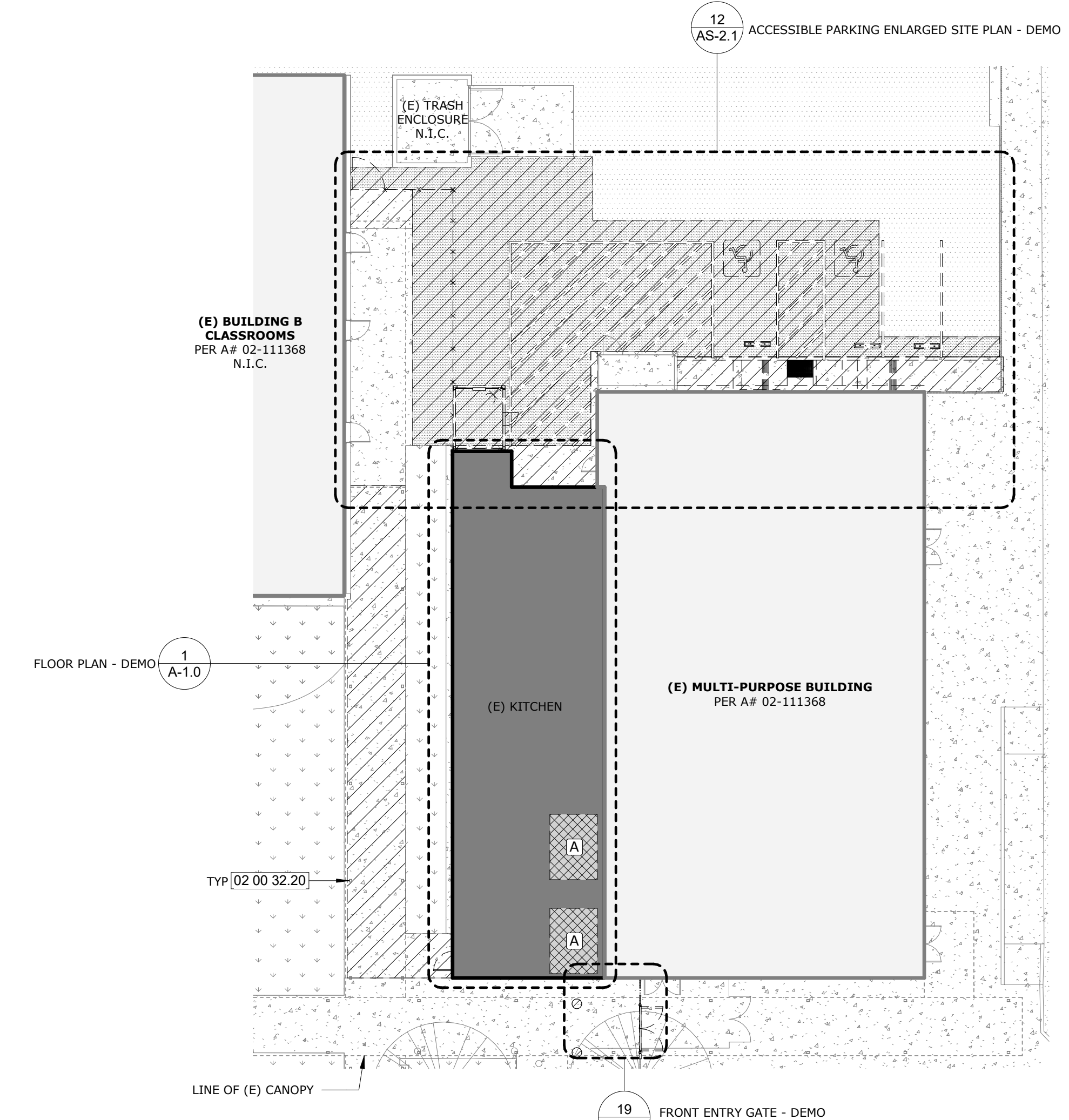
FRONT ENTRY GATE - DEMO SCALE: 1/4" = 1'-0" 19



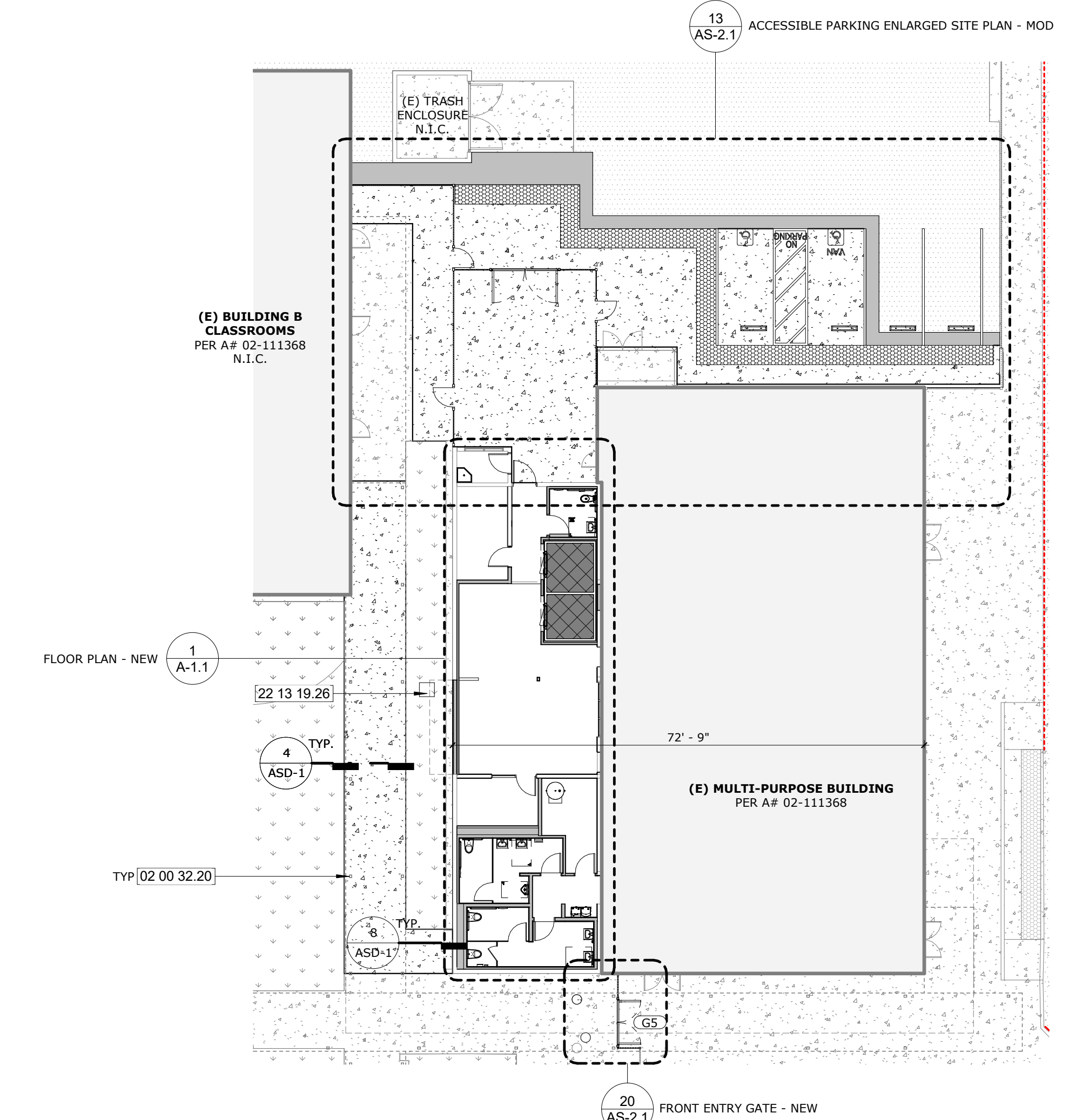
FRONT ENTRY GATE - NEW SCALE: 1/4" = 1'-0" 20



ENLARGED ACCESSIBLE PARKING PLAN SCALE: 1/8" = 1'-0" 15



ENLARGED SITE PLAN - DEMO SCALE: 1/16" = 1'-0" 3



ENLARGED SITE PLAN - NEW SCALE: 1/16" = 1'-0" 5

FOR REFERENCE ONLY

PROJECT No. 11-10-402
7/5/2024 2:16:49 PM

DATE	BY	CHECKED BY	REVISION

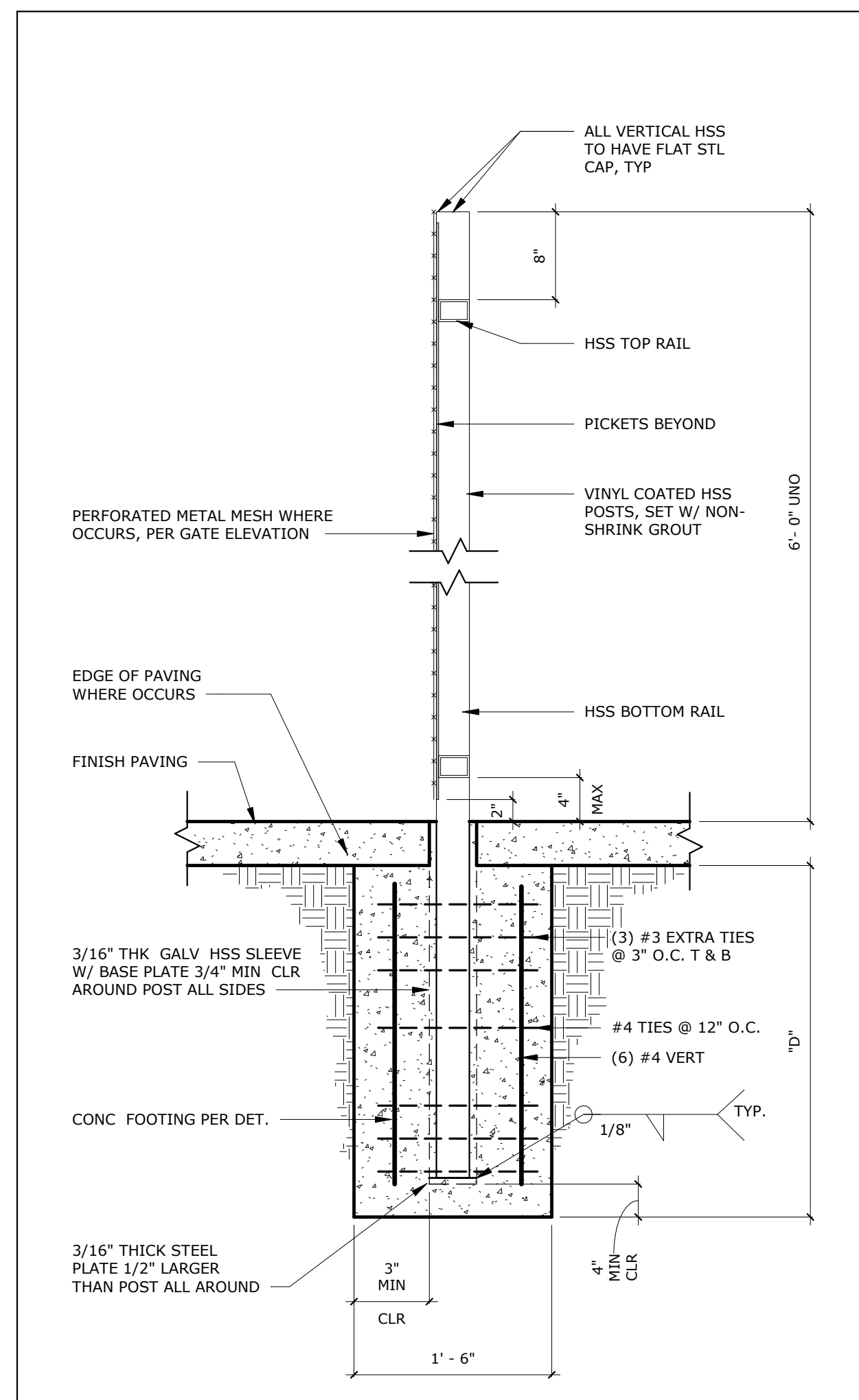
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

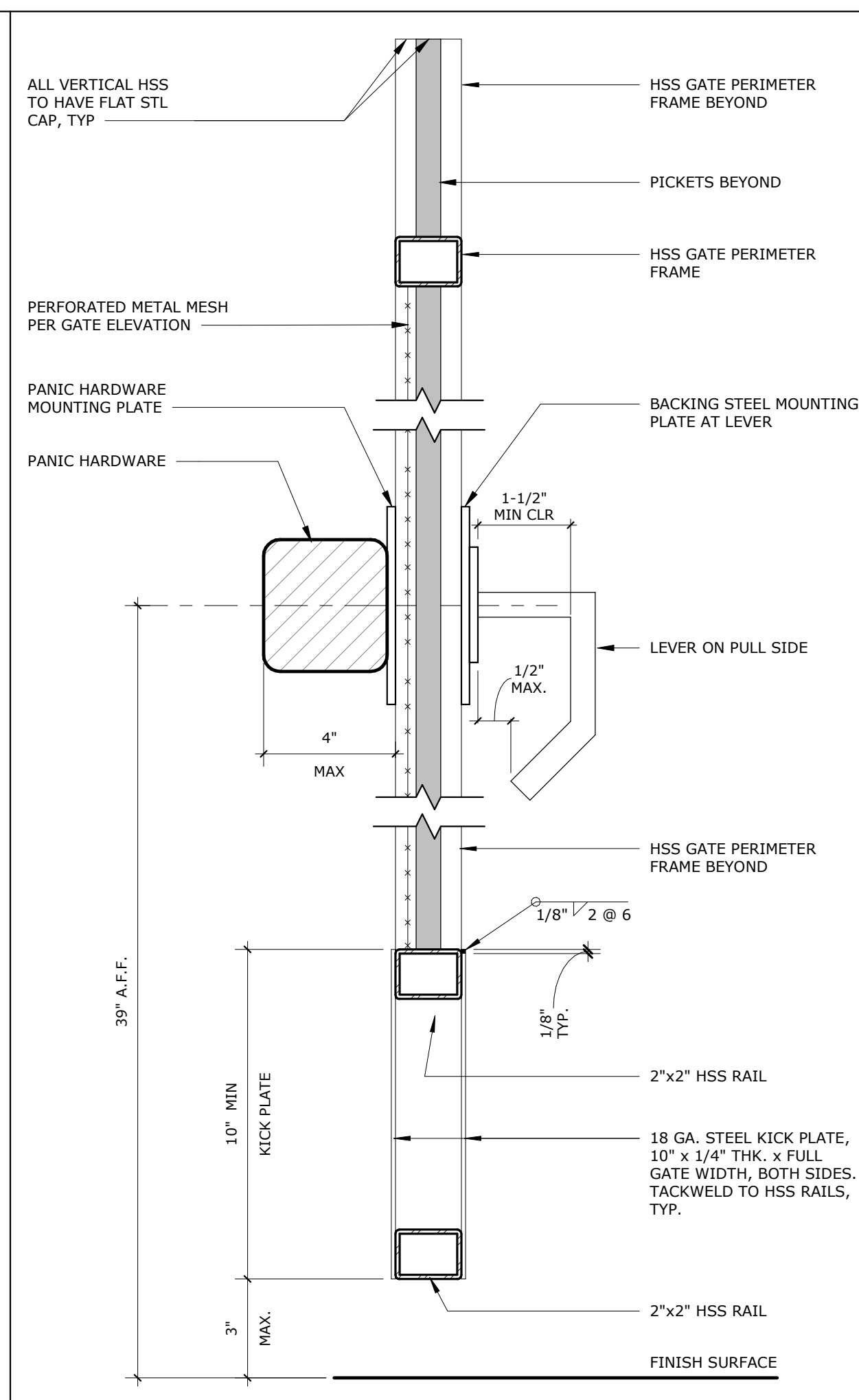
ENLARGED DEMO & NEW SITE PLANS

AS-2.1

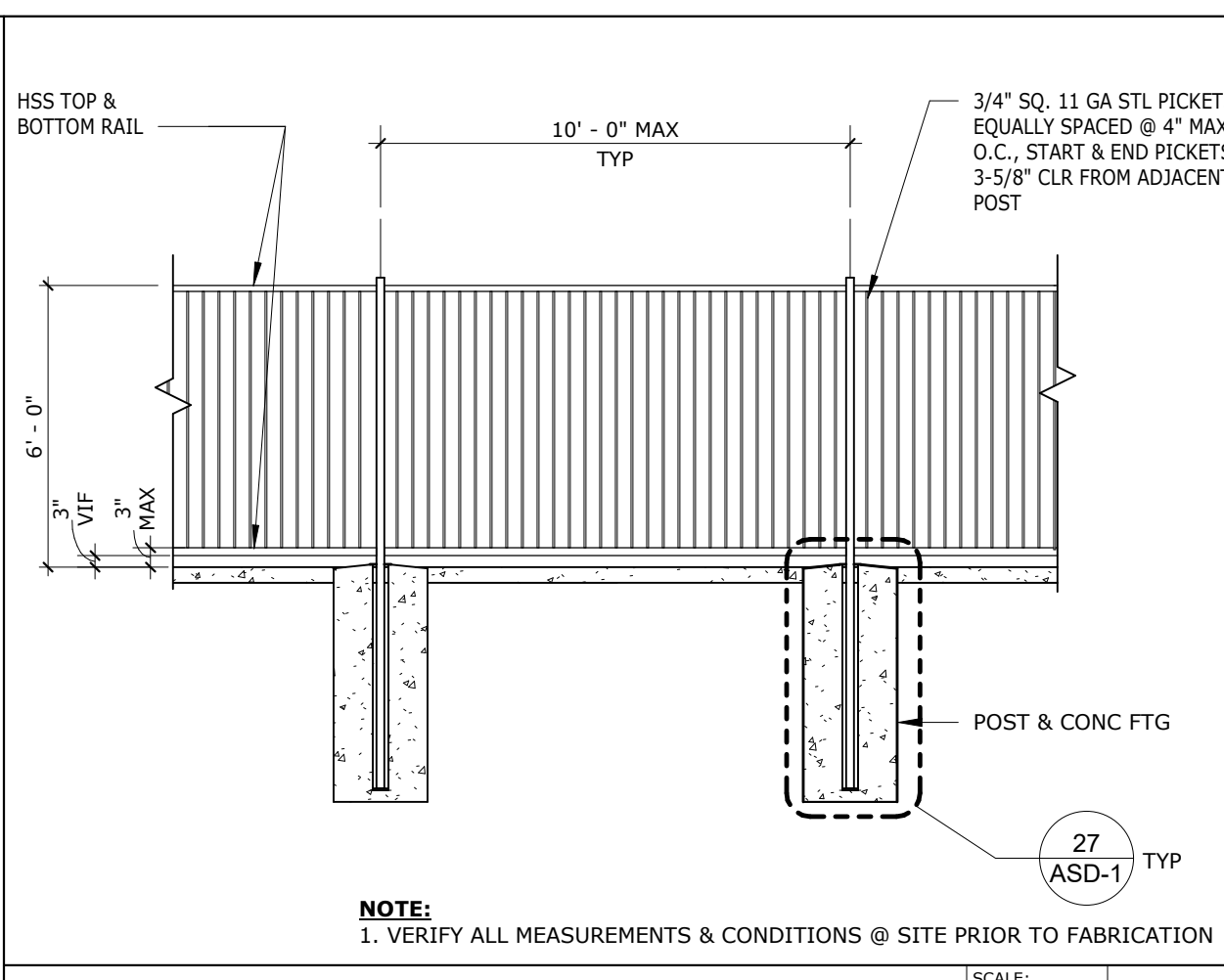
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



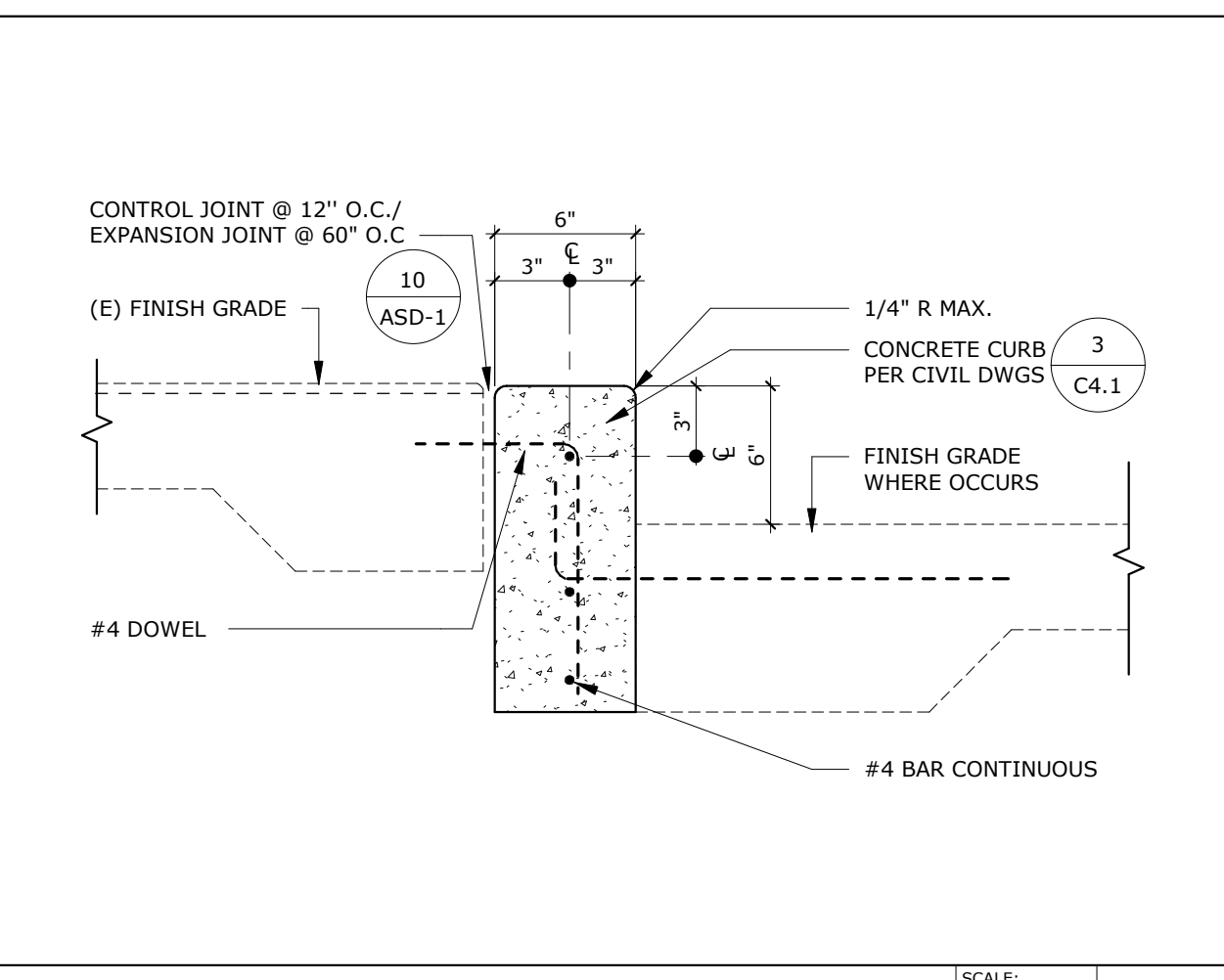
METAL FENCE POST FTG SCALE: 1" = 1'-0" 27



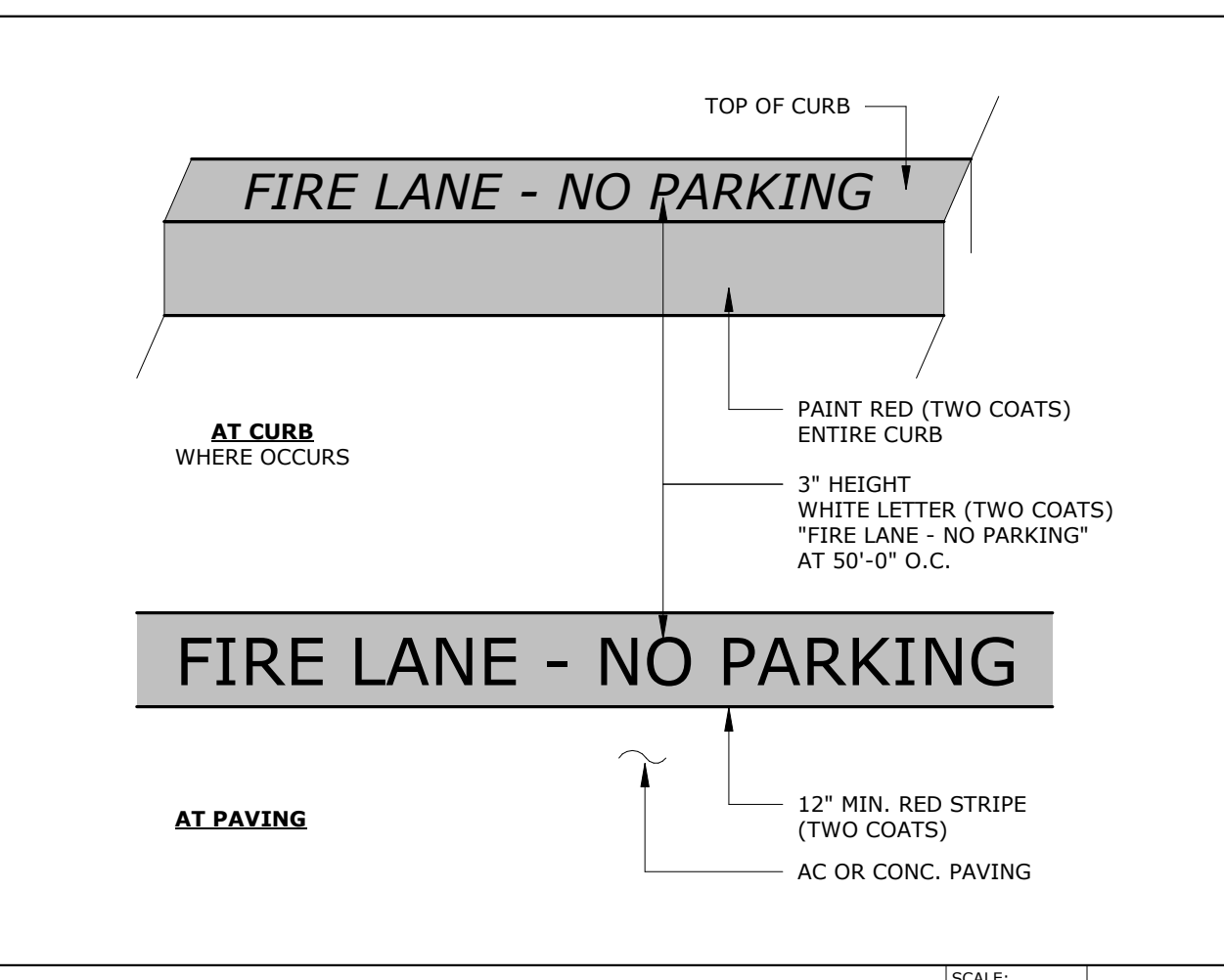
METAL GATE KICKPLATE & PH SCALE: 3" = 1'-0" 22



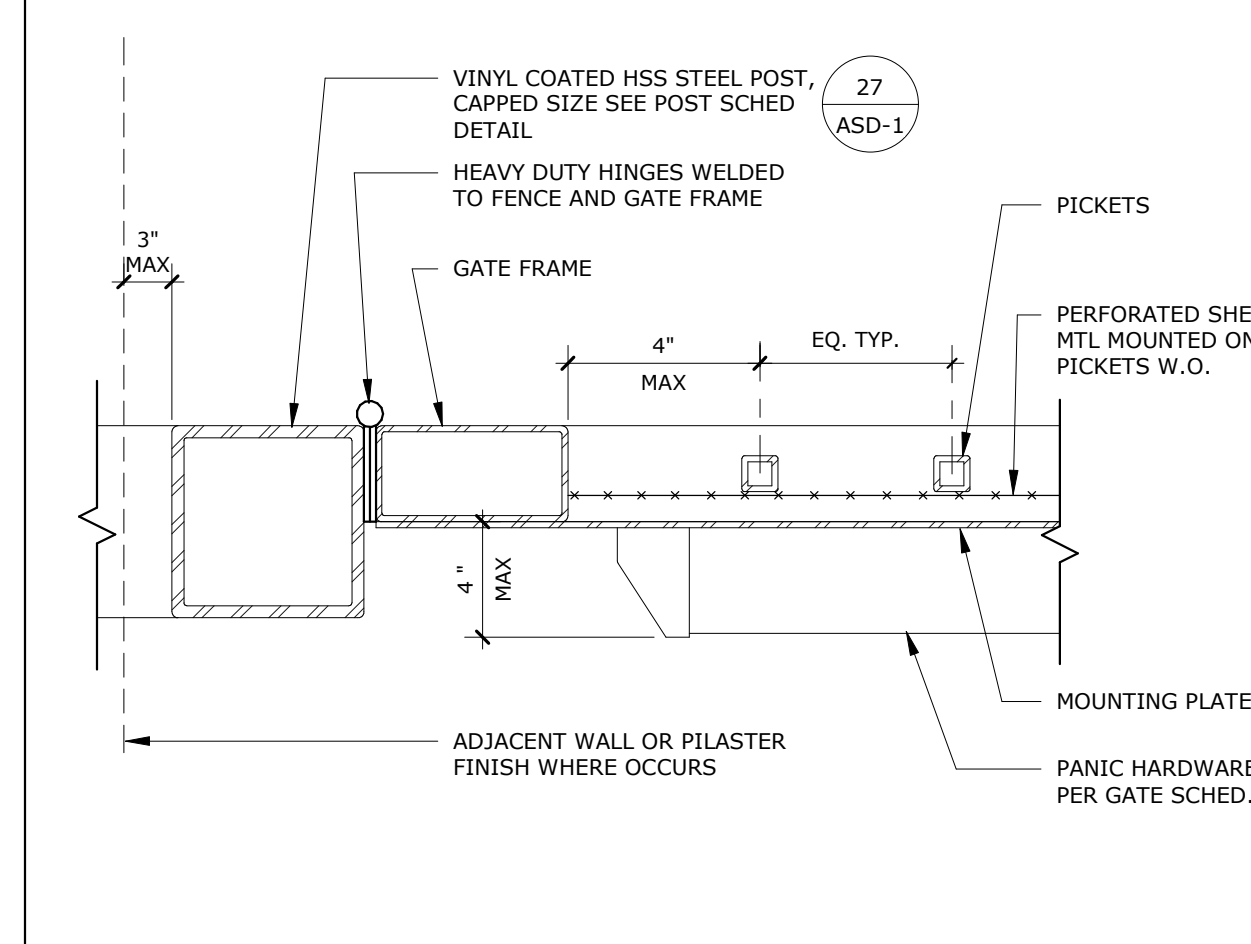
METAL FENCE ELEVATION SCALE: 1/4" = 1'-0" 16



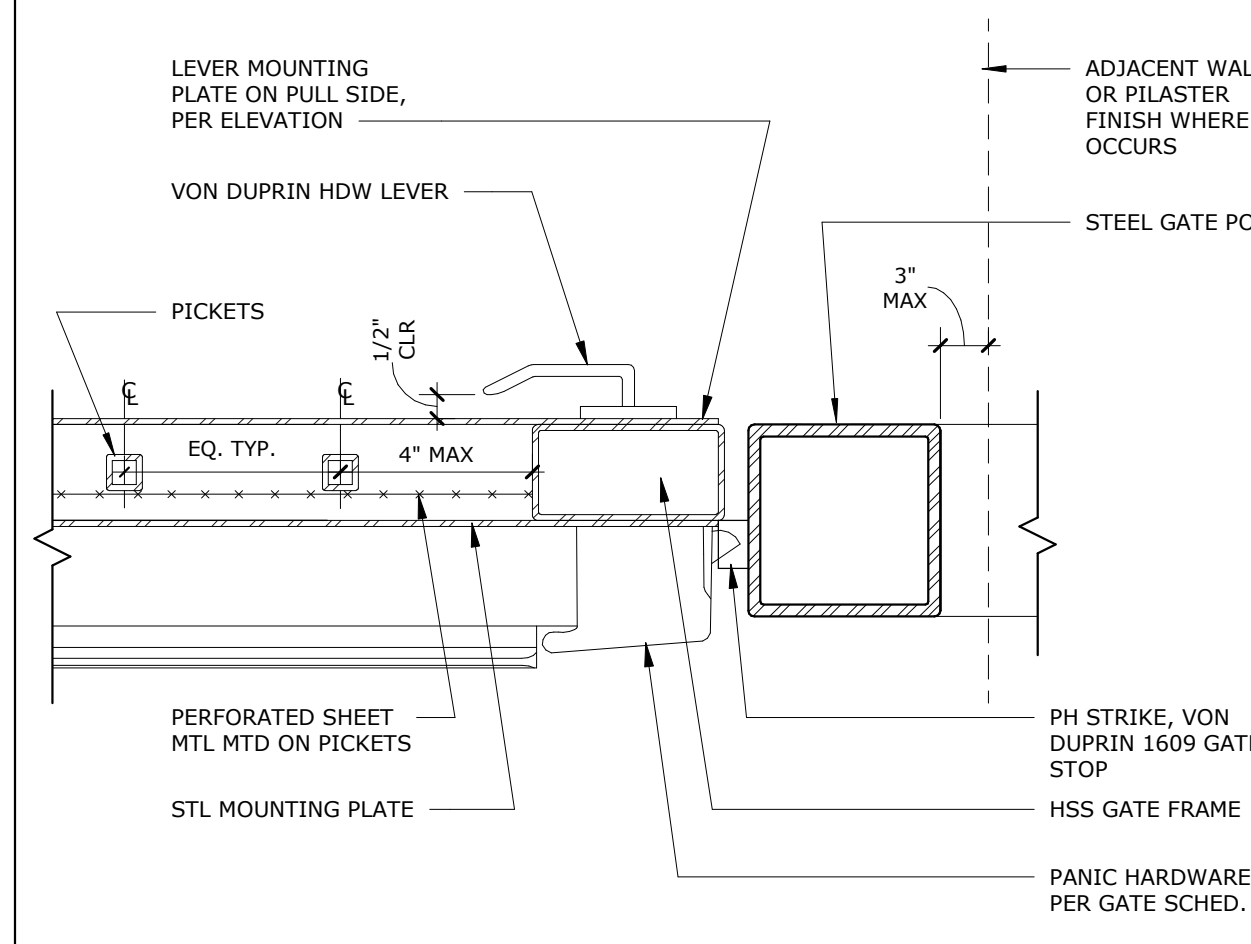
CONCRETE CURB TYP SCALE: 1 1/2" = 1'-0" 11



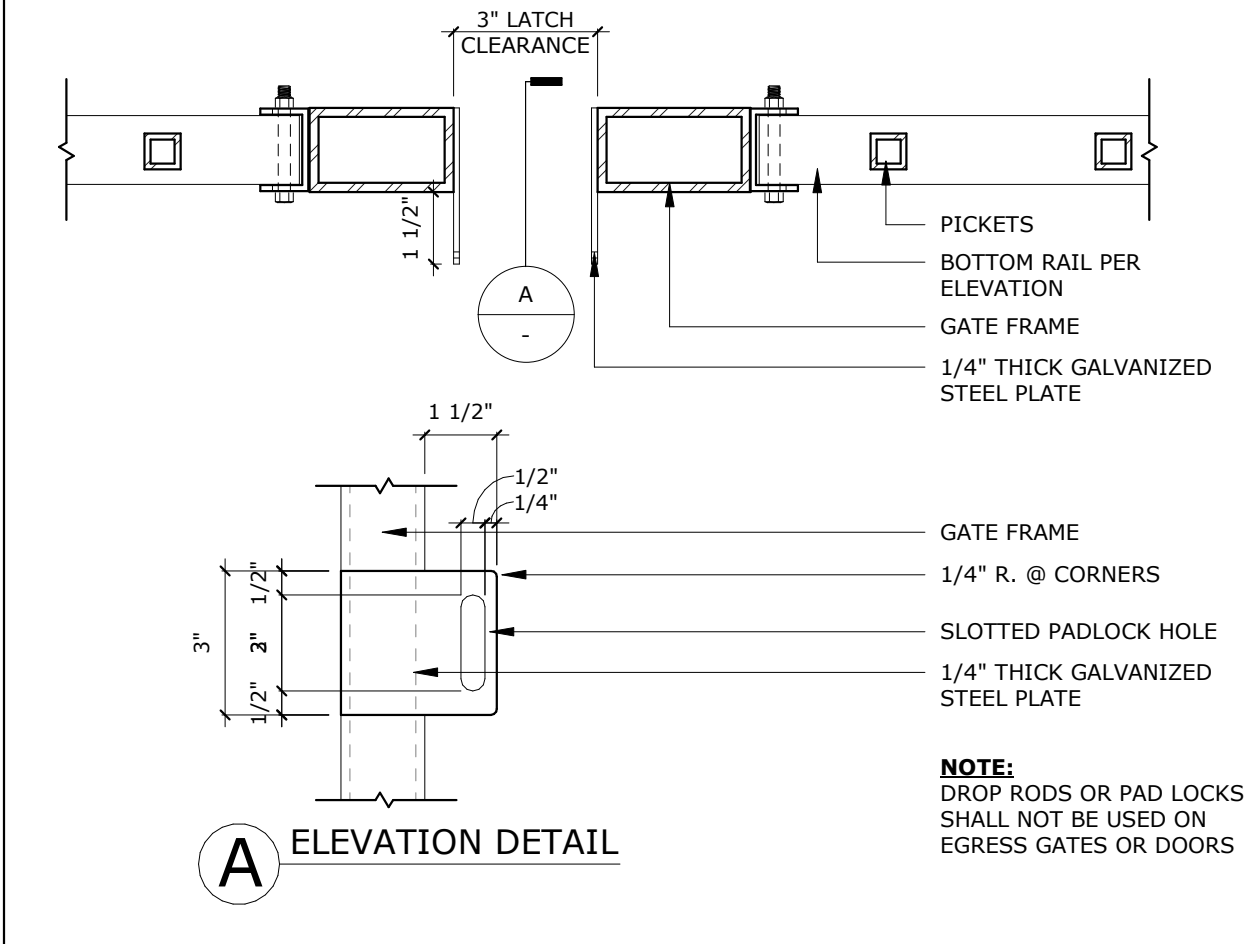
(E) FIRE LANE STRIPING SCALE: 1" = 1'-0" 6



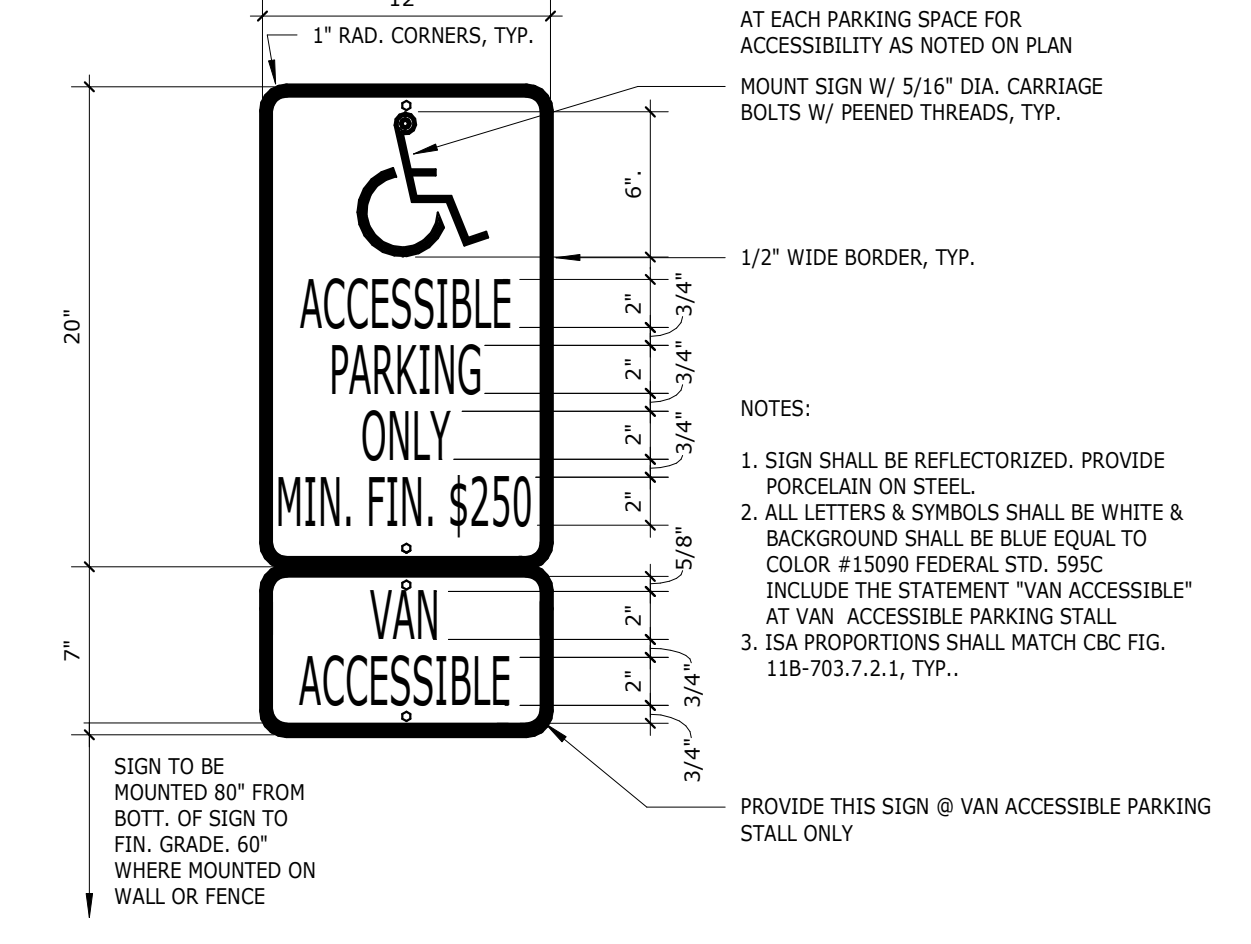
METAL GATE HINGE SCALE: 3" = 1'-0" 28



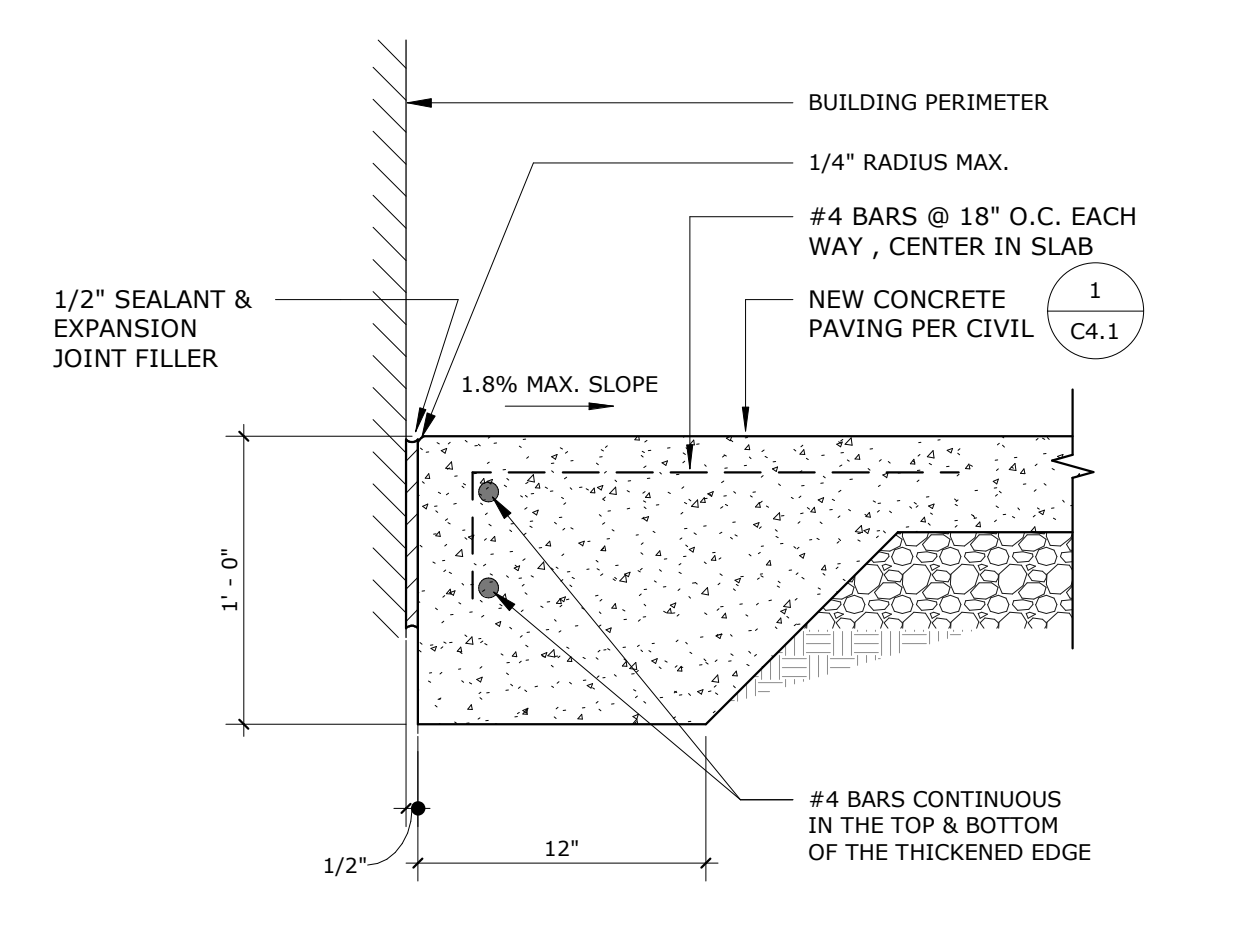
METAL GATE LATCH SCALE: 3" = 1'-0" 23



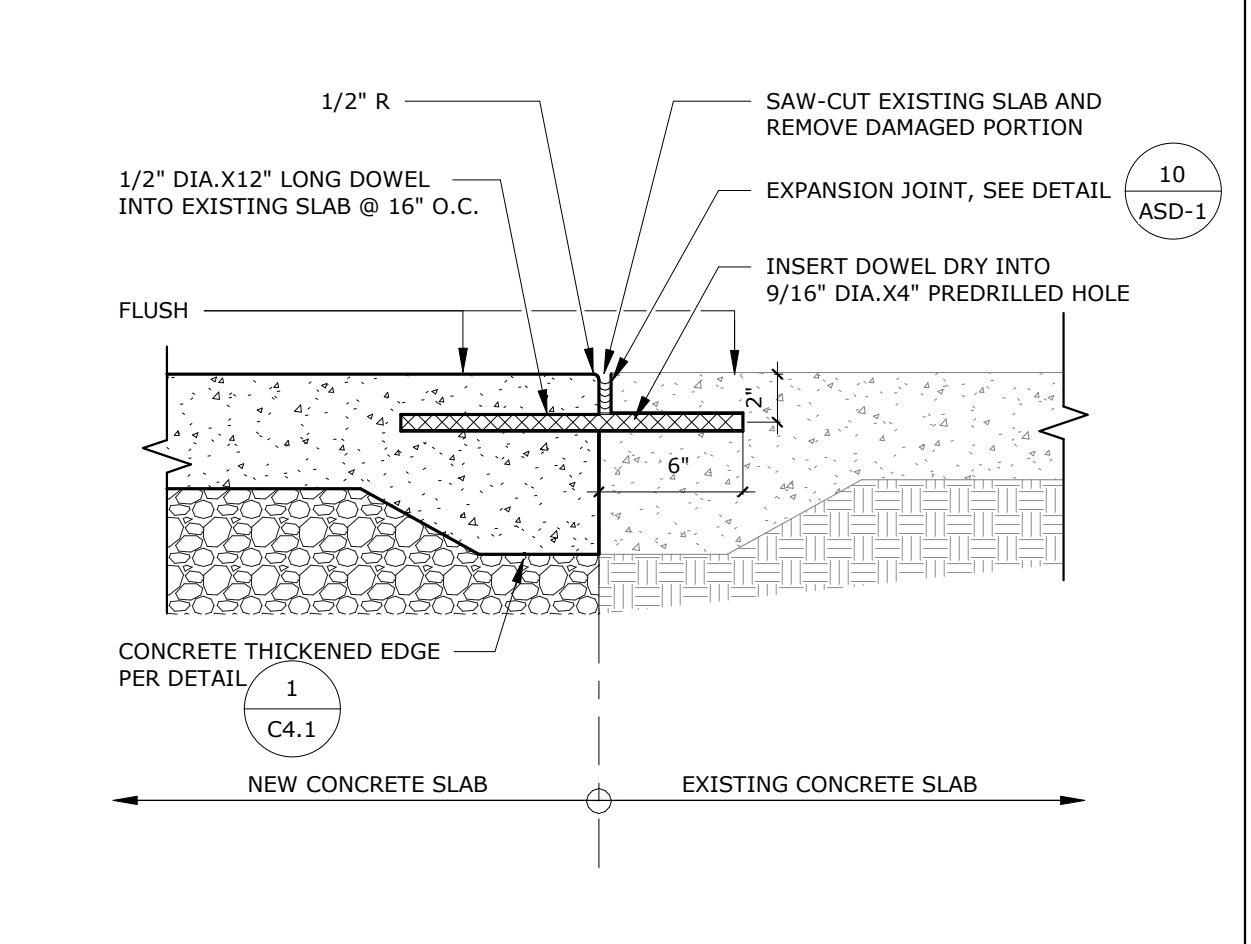
PAD LOCK FLANGE SCALE: 3" = 1'-0" 18



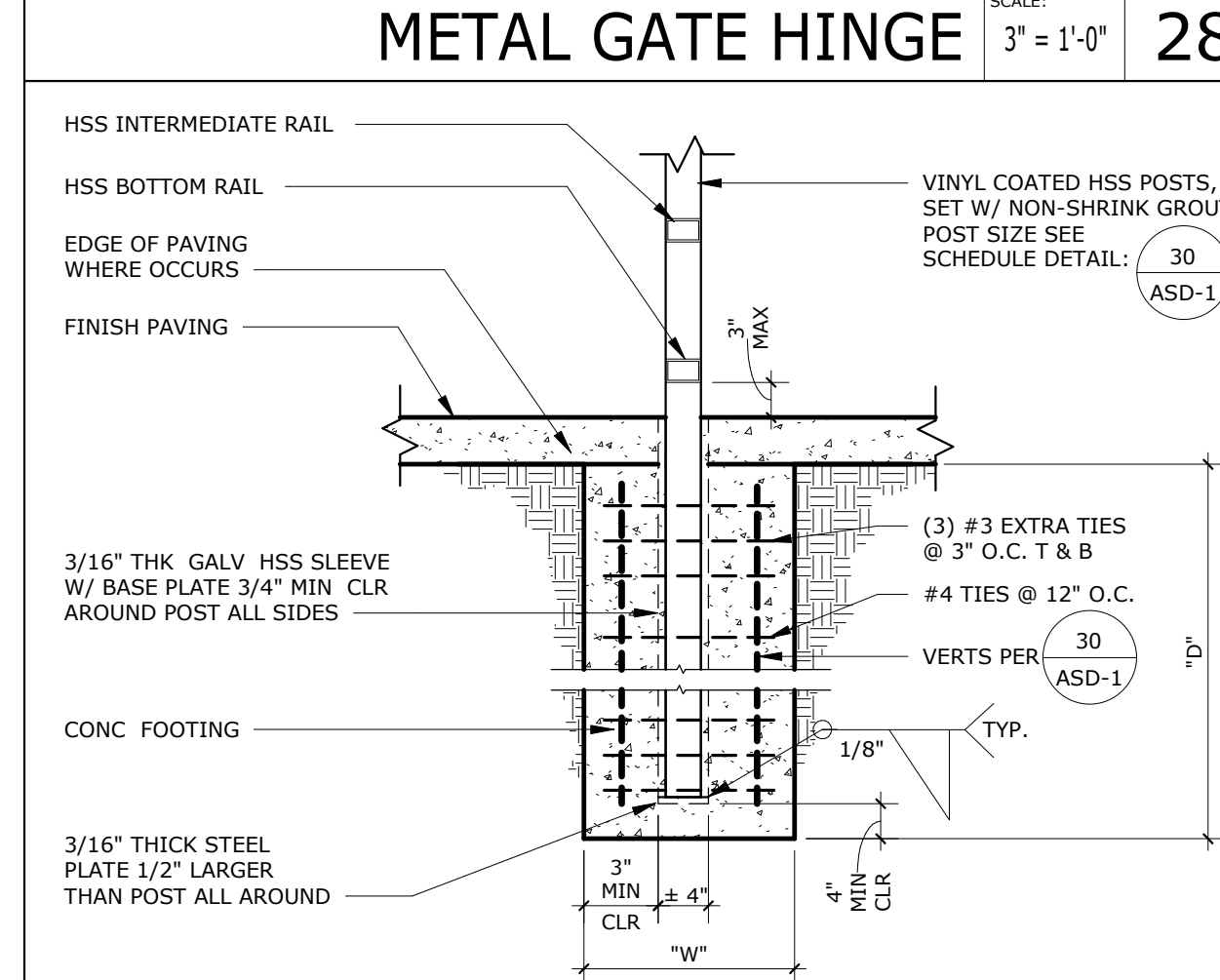
ISA PAVEMENT SIGN SCALE: 3/4" = 1'-0" 12



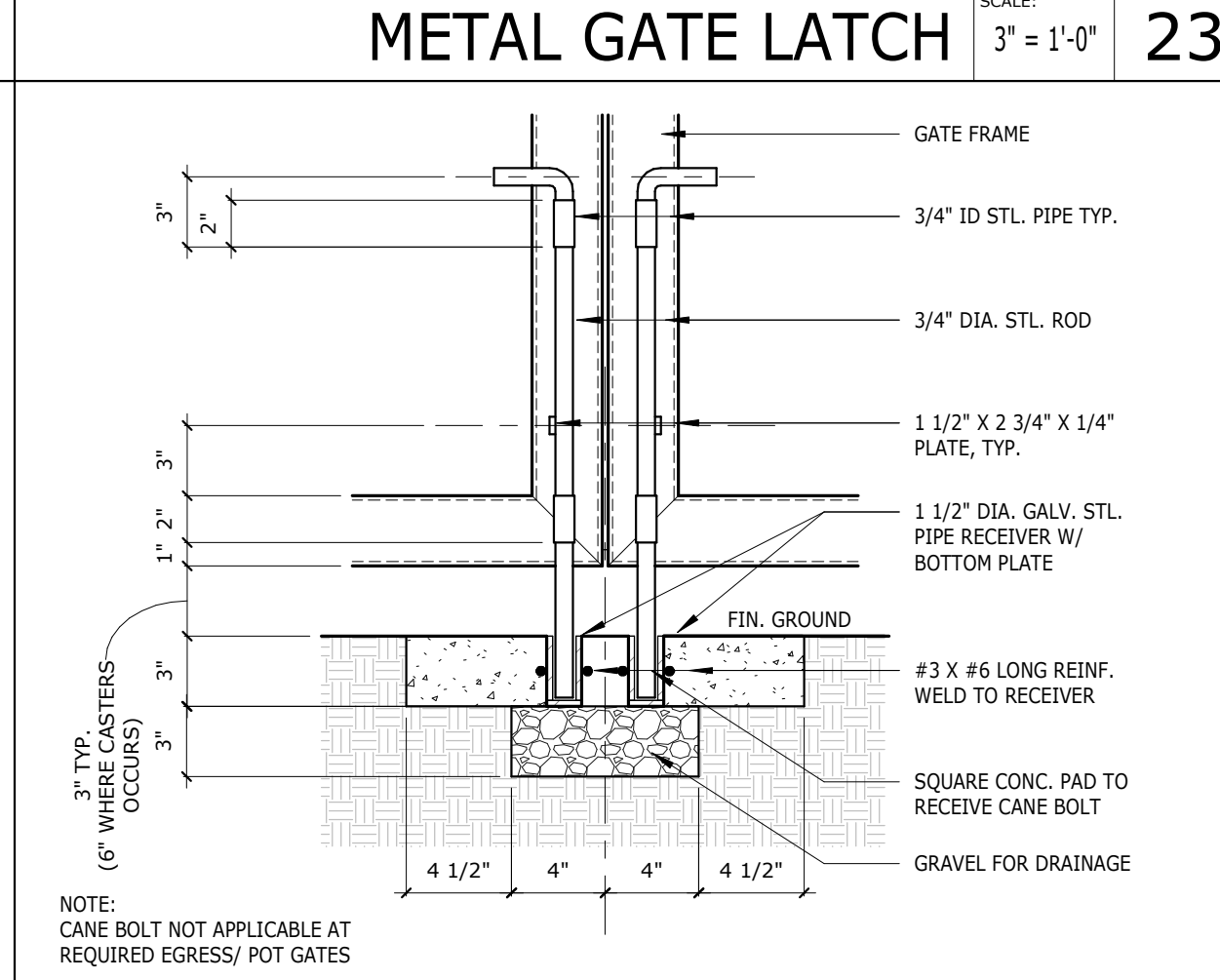
CONCRETE WHEELSTOP SCALE: 1 1/2" = 1'-0" 7



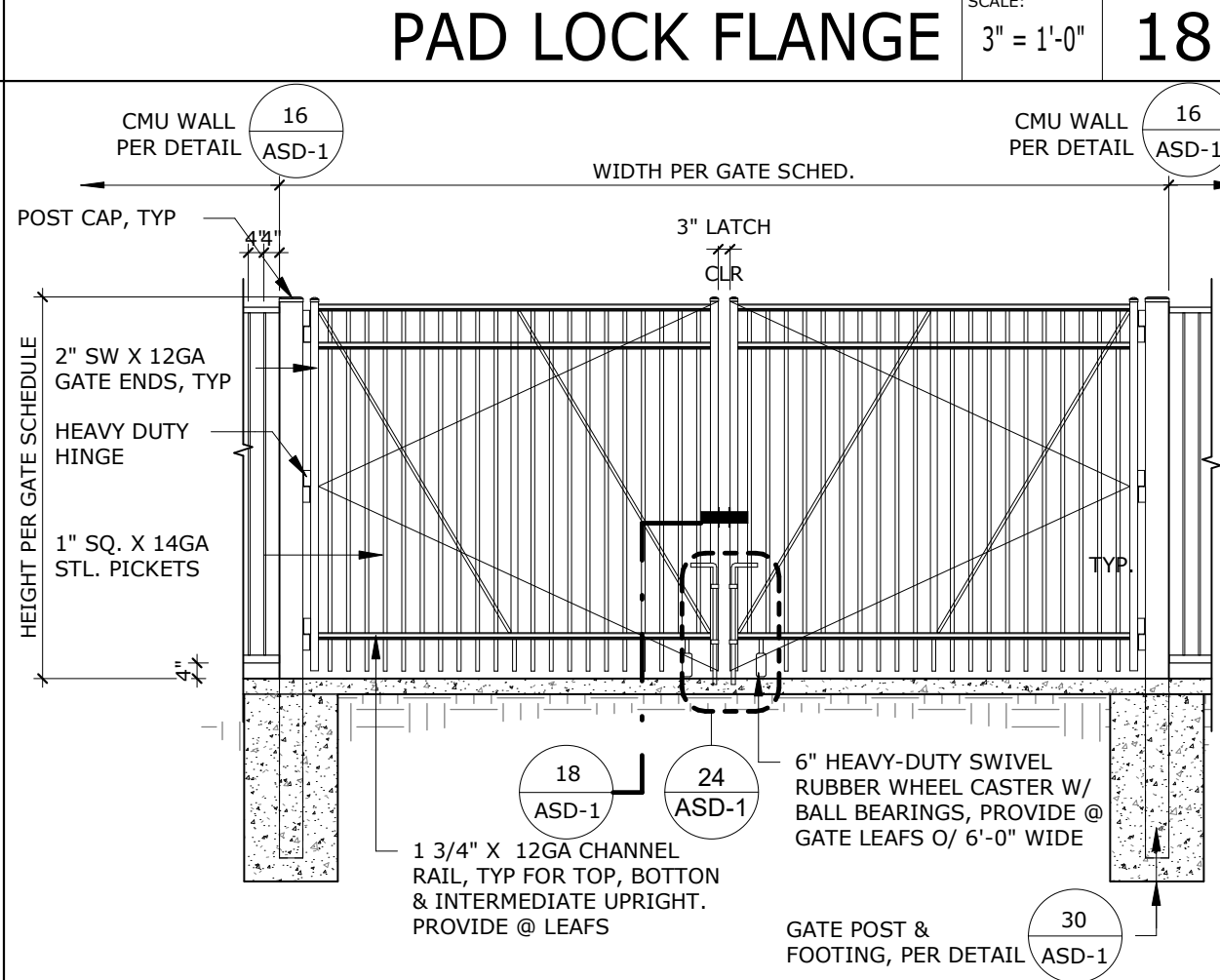
ASPHALT TO CONCRETE SCALE: 1 1/2" = 1'-0" 2



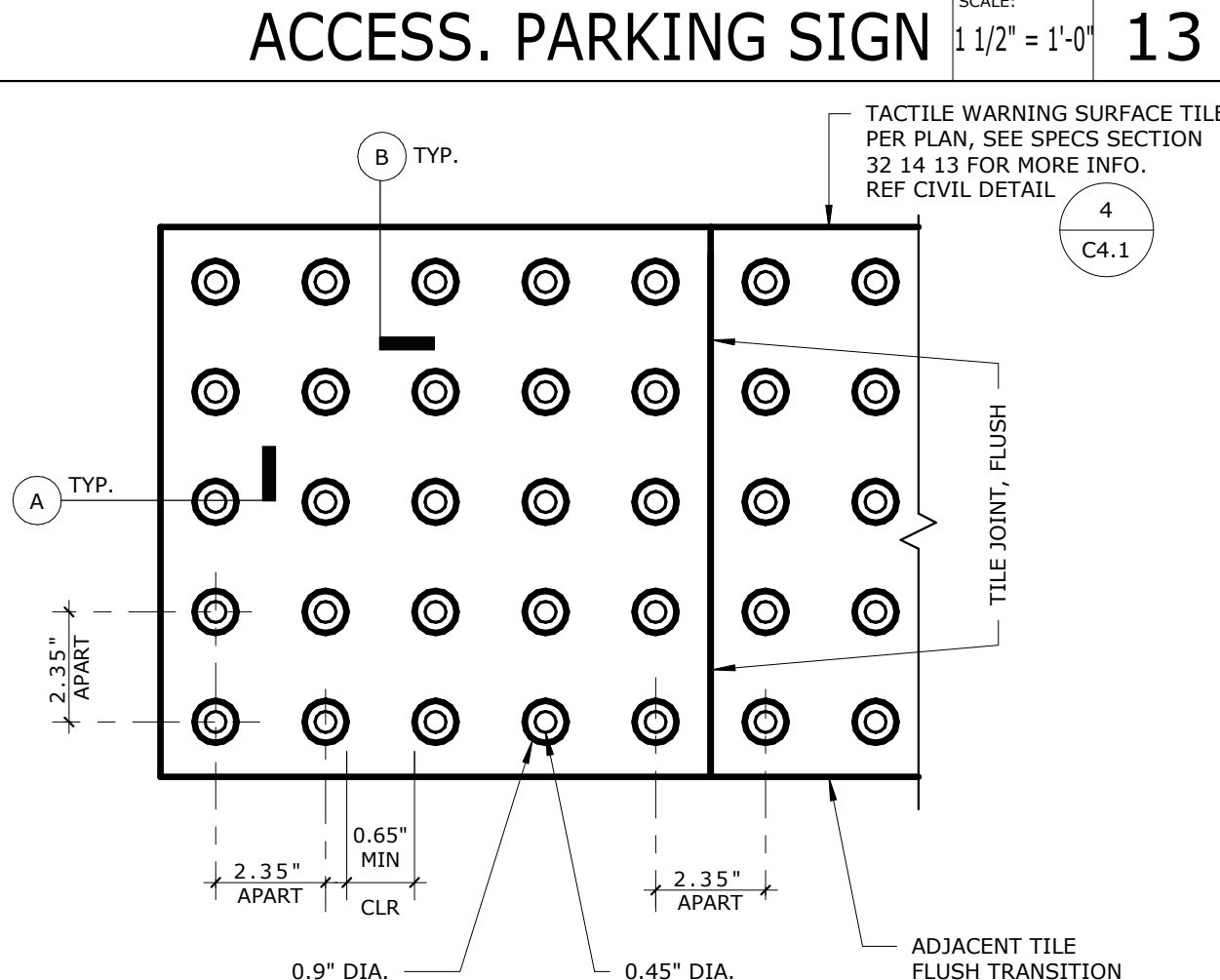
METAL GATE FOOTING SCALE: 3/4" = 1'-0" 29



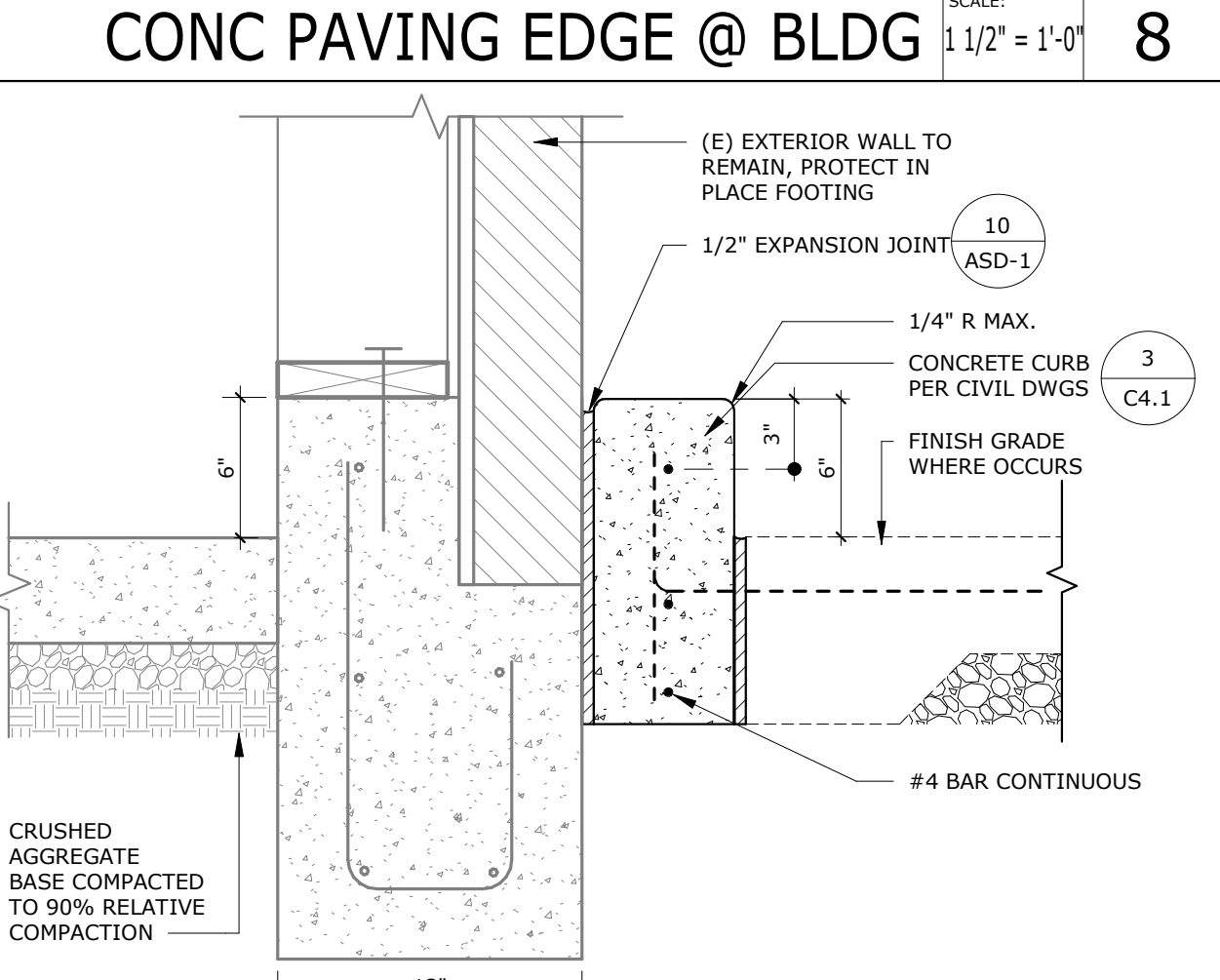
GATE DROP ROD SCALE: 1 1/2" = 1'-0" 24



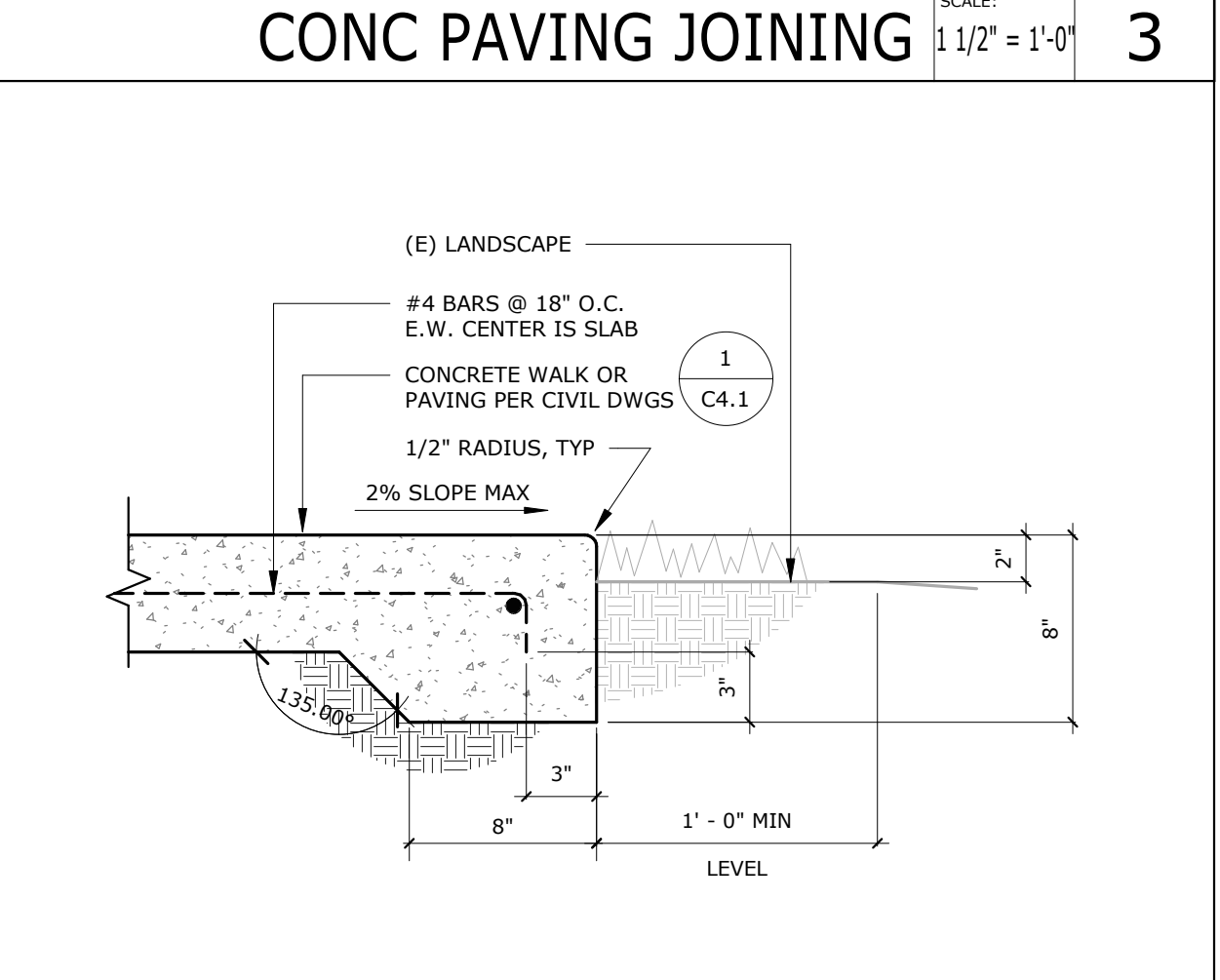
METAL SERVICE GATE - ELEV SCALE: 1/4" = 1'-0" 19



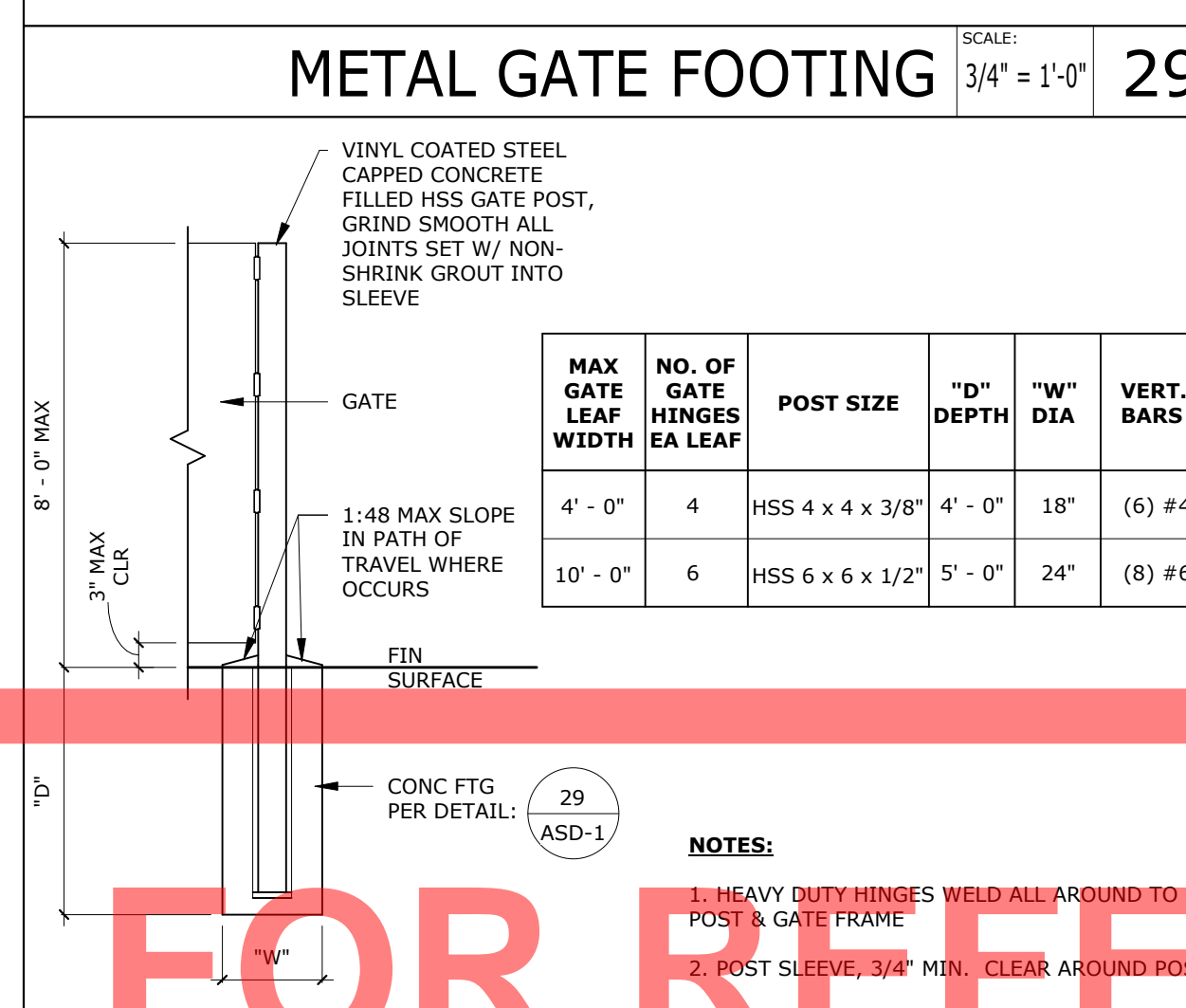
ACCESS. PARKING SIGN SCALE: 1 1/2" = 1'-0" 13



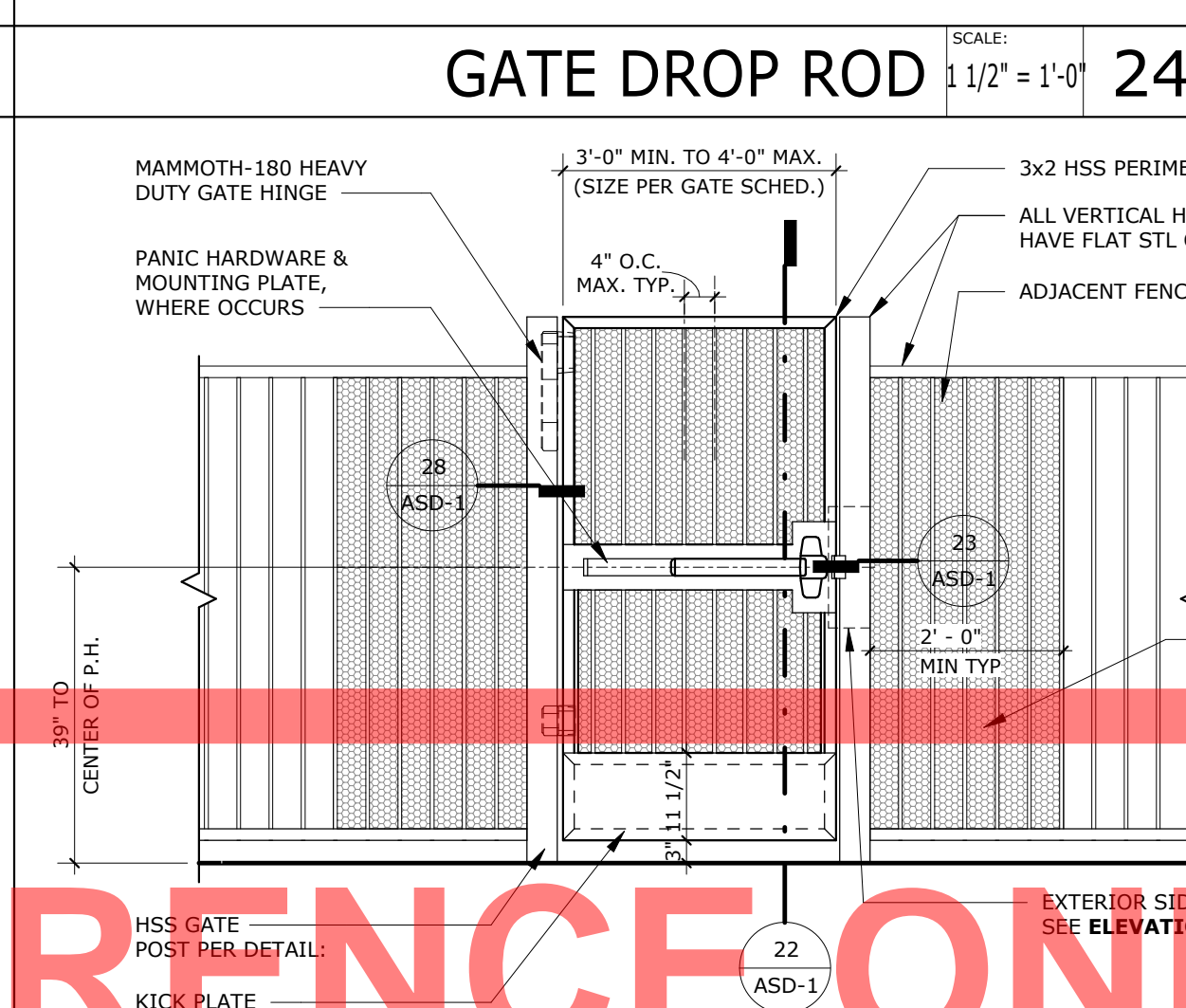
CONC PAVING EDGE @ BLDG SCALE: 1 1/2" = 1'-0" 8



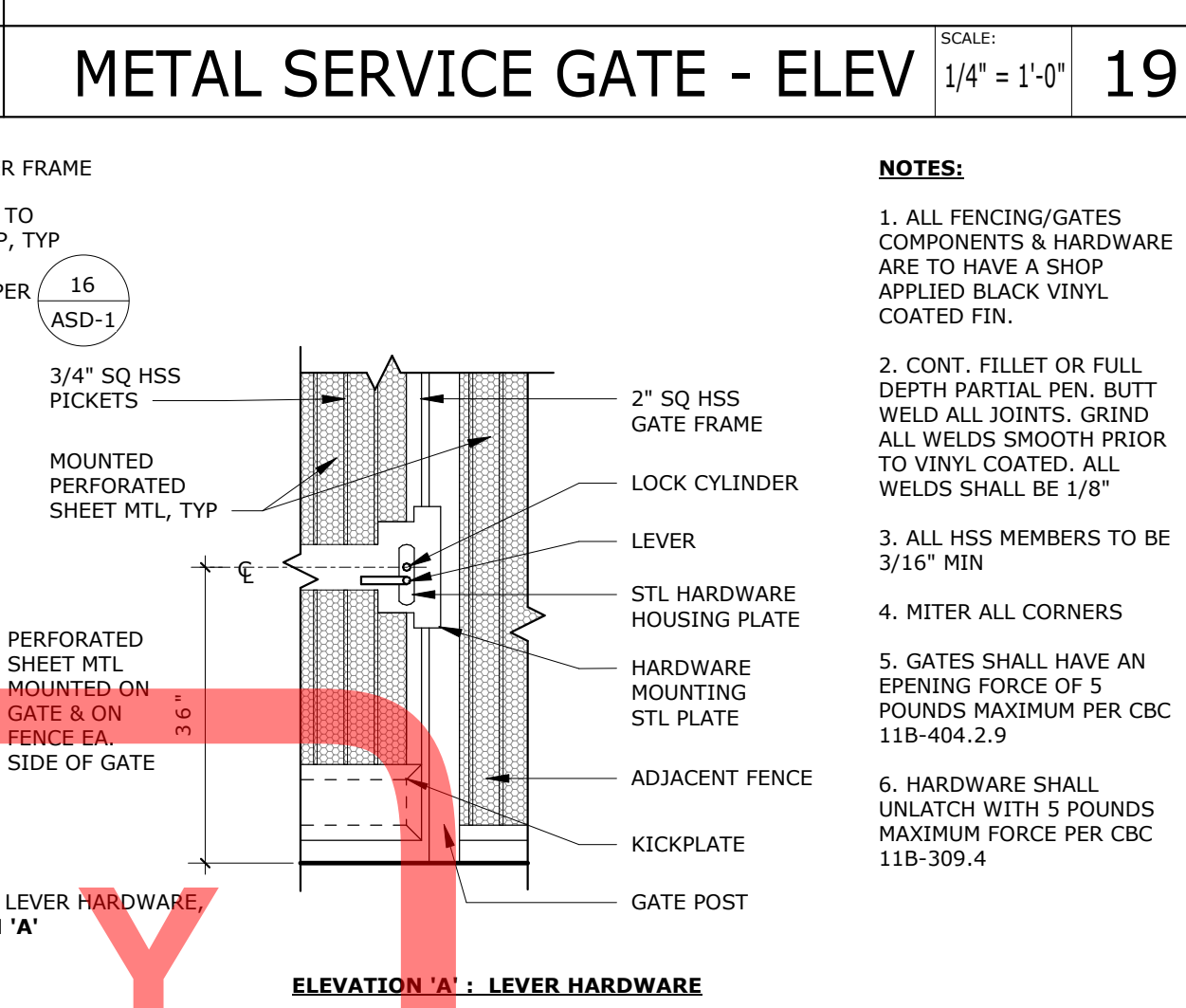
CONC PAVING JOINING SCALE: 1 1/2" = 1'-0" 3



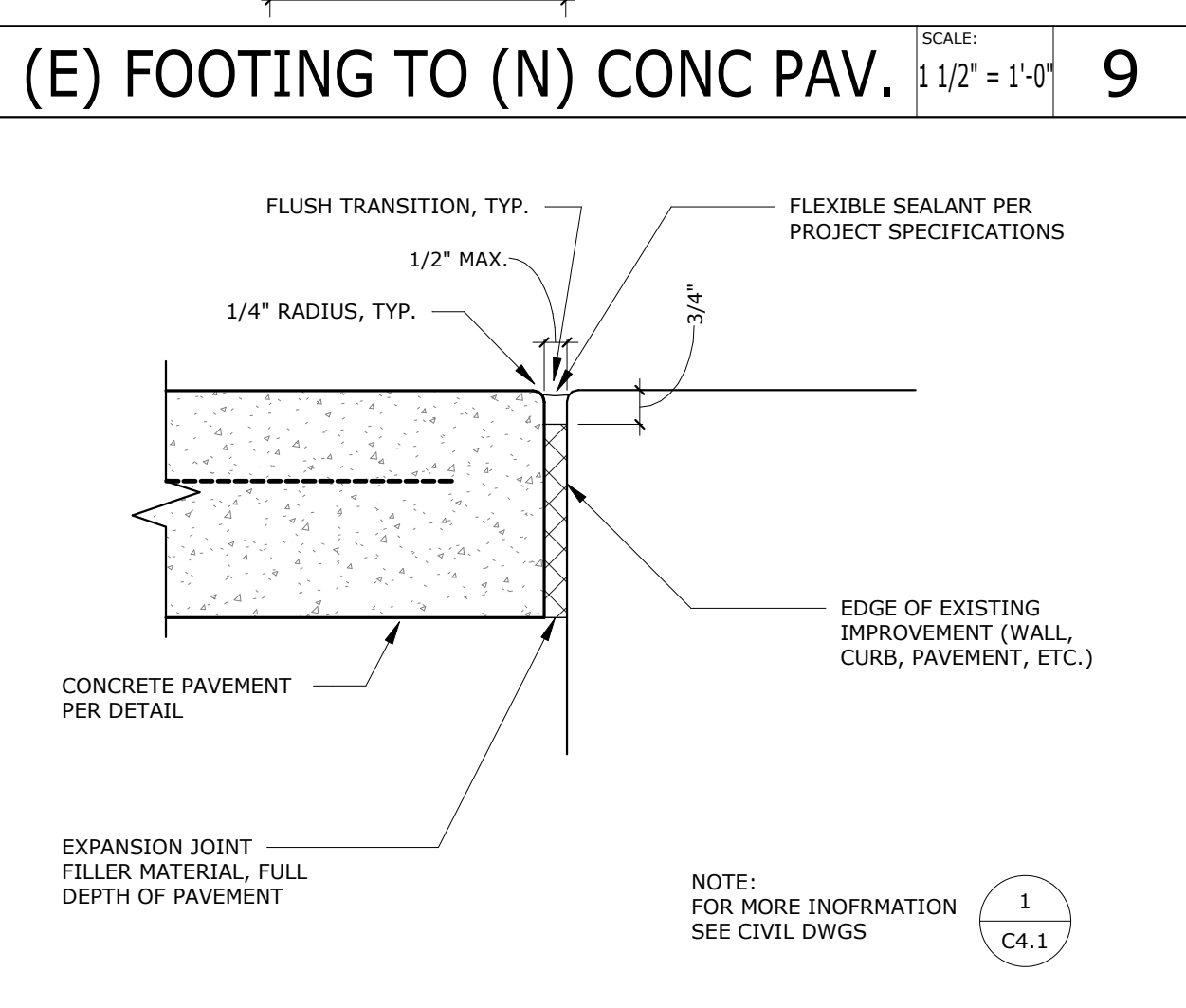
MTL GATE POST FTG SCHED SCALE: 1/4" = 1'-0" 30



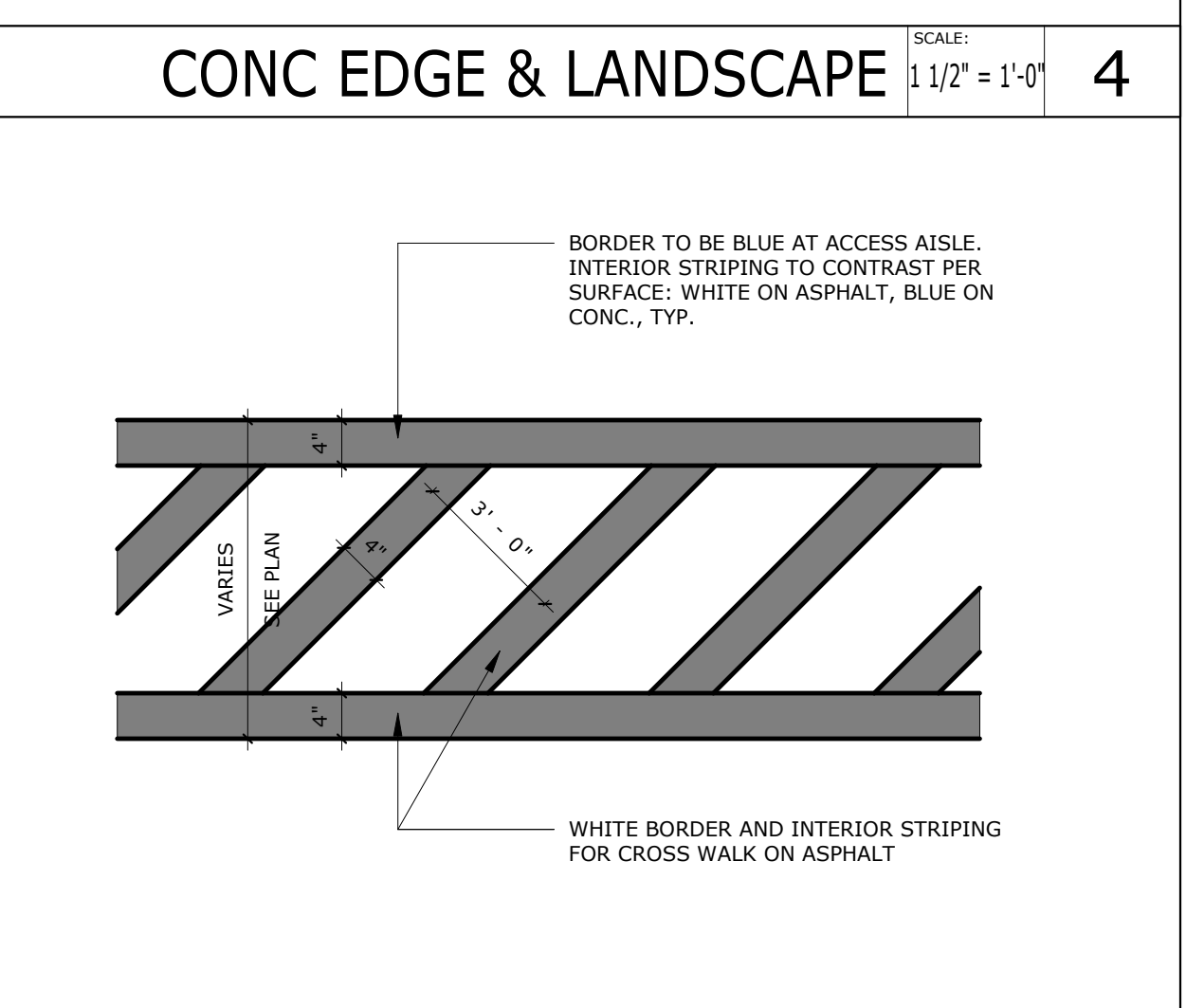
METAL GATE W/ PH SCALE: 1/2" = 1'-0" 20



TACTILE WARNING SURFACE SCALE: 3" = 1'-0" 15



TYP. EXPANSION JOINT SCALE: 3/4" = 1'-0" 10



TYPICAL PAVEMENT STRIPING SCALE: 3/4" = 1'-0" 5

PROJECT NO. 11-10-402
7/5/2024 2:16:49 PM

DATE	BY	CHECKED BY	REVISION

DATE	BY	CHECKED BY	REVISION

DATE	BY	CHECKED BY	REVISION

DATE	BY	CHECKED BY	REVISION

DATE	BY	CHECKED BY	REVISION

DATE	BY	CHECKED BY	REVISION

FOR REFERENCE ONLY

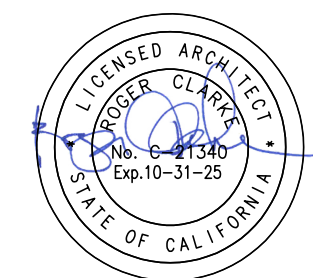
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

SITE DETAILS

ASD-1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



RUHNAU
CLARKE
ARCHITECTS

STAMPS AGENCY APPROVAL 1/10/2024 4:12:53 PM

CONSULTANT BRANDING

GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EDGE OF SLAB, U.N.O.
3. SEE SHEET **AD-2.0** FOR WALL TYPE INFORMATION.
4. PROVIDE R-19 BATT INSULATION AT ALL EXTERIOR WALLS, U.N.O., GYPSUM BOARD AND INSULATION SHALL EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF ROOF STRUCTURE.
5. PROVIDE STUD BRACING AND SUPPORT FOR ALL WALL MOUNTED FIXTURES AND ACCESSORIES. PER DETAIL 16/AD-2.0
6. SEE SHEET **A-8.1** FOR DOOR AND WINDOW INFORMATION
7. SET DOORS ADJACENT TO WALLS A MIN. OF 4" AWAY FROM WALL U.N.O.
8. LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.

KEYNOTE - EXISTING & DEMO

NOTE: SPECIFIC DEMOLITION SCORE IS INDICATED BY KEYNOTES 02.41.00.00 THRU 02.41.00.99. SEE NOTES, GENERAL NOTES, DETAILS, AND DOCUMENTS PREPARED BY OTHER DISCIPLINES FOR INFORMATION AND FULL SCOPE OF DEMOLITION.

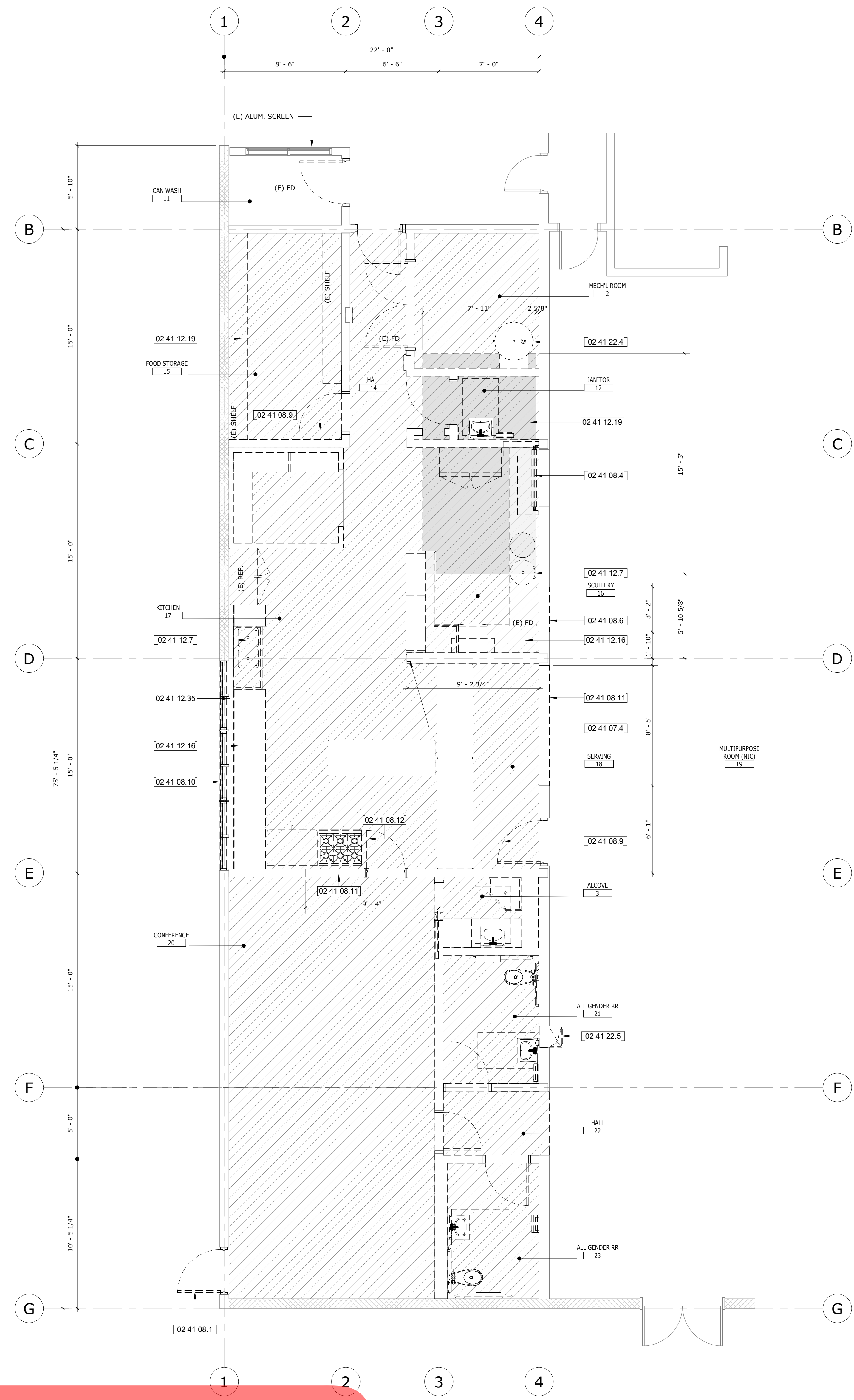
- 02 41 07.4 DEMO (E) WOOD POST
- 02 41 08.1 DEMO (E) EXTERIOR DOOR AND INFILL WITH NEW WALL ASSEMBLY, MATCH (E) ADJACENT WALL TYPE ASSEMBLY
- 02 41 08.4 DEMO (E) ROLL-UP DOOR AND INFILL WITH NEW WALL ASSEMBLY, MATCH (E) ADJACENT WALL TYPE ASSEMBLY
- 02 41 08.6 REMOVE PORTION OF (E) INTERIOR WALL TO CREATE OPENING. SAFELY SECURE AND CAP ALL UTILITIES AND COORDINATE WITH RESPECTIVE TRADE
- 02 41 08.9 DEMO (E) INTERIOR DOOR AND INFILL WITH NEW WALL ASSEMBLY, MATCH (E) ADJACENT WALL TYPE ASSEMBLY
- 02 41 08.10 DEMO (E) WINDOW AND INFILL WITH NEW WALL ASSEMBLY
- 02 41 08.11 DEMO PORTION OF (E) WALL AND PREPARE FOR A NEW STOREFRONT ASSEMBLY
- 02 41 08.12 DEMO (E) DOOR WITH CARE, PREP FOR NEW STOREFRONT ASSEMBLY
- 02 41 12.7 DEMO (E) 3 COMP. KITCHEN SINK W/ CASEWORK
- 02 41 12.16 DEMO (E) BASE CASEWORK W/ COUNTER TOP
- 02 41 12.19 DEMO (E) FULL HEIGHT CASEWORK AND STORAGE CABINETS
- 02 41 12.35 DEMO (E) WALL PER PLAN
- 02 41 22.4 DEMO (E) WATER HEATER
- 02 41 22.5 DEMO (E) DRINKING FOUNTAIN WITH CARE, PATCH AND REPAIR WALL

DEMO FLOOR PLAN LEGEND

- DEMO (E) FLOOR FINISH AND SUBSTRATE, PREP FOR NEW FLOOR FINISH
- DEMOLISH PORTION OF EXISTING CONCRETE SLAB-ON-GRADE AND PREPARE FOR A NEW CONCRETE DEPRESSED SLAB
- DEMO (E) INTERIOR WALL
- DEMO (E) INTERIOR DOOR

WALL TYPES

- (E) EXTERIOR CMU WALL. PROTECT IN PLACE
- (E) WOOD STUD WALL. PROTECT IN PLACE
- (E) INTERIOR WOOD STUD WALL TO BE DEMOLISHED



FOR REFERENCE ONLY

PROJECT No. :1-10-402
7/5/2024 4:12:53 PM

DATE	BY	DESCRIPTION

RUHNAUCLARKE.COM

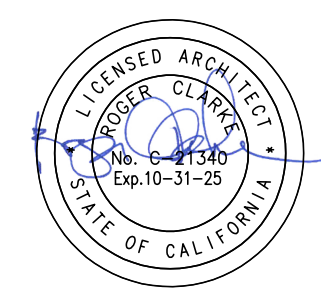
FLOOR PLAN - DEMO 1/4" = 1'-0" 1

KITCHEN UPGRADES AT MADISON E.S.

DEMO FLOOR PLANS

A-1.0

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



**RUHNAU
CLARKE
ARCHITECTS**

GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EDGE OF SLAB, U.N.O.
3. SEE SHEET **AD-2.0** FOR WALL TYPE INFORMATION.
4. PROVIDE R-19 BATT INSULATION AT ALL EXTERIOR WALLS, U.N.O. GYPSUM BOARD AND INSULATION SHALL EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF ROOF STRUCTURE.
5. PROVIDE STUD BRACING AND SUPPORT FOR ALL WALL MOUNTED FIXTURES AND ACCESSORIES. PER DETAIL 16/AD-2.0
6. SEE SHEET **A-8.1** FOR DOOR AND WINDOW INFORMATION
7. SET DOORS ADJACENT TO WALLS A MIN. OF 4" AWAY FROM WALL U.N.O.
8. LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.

KEYNOTES

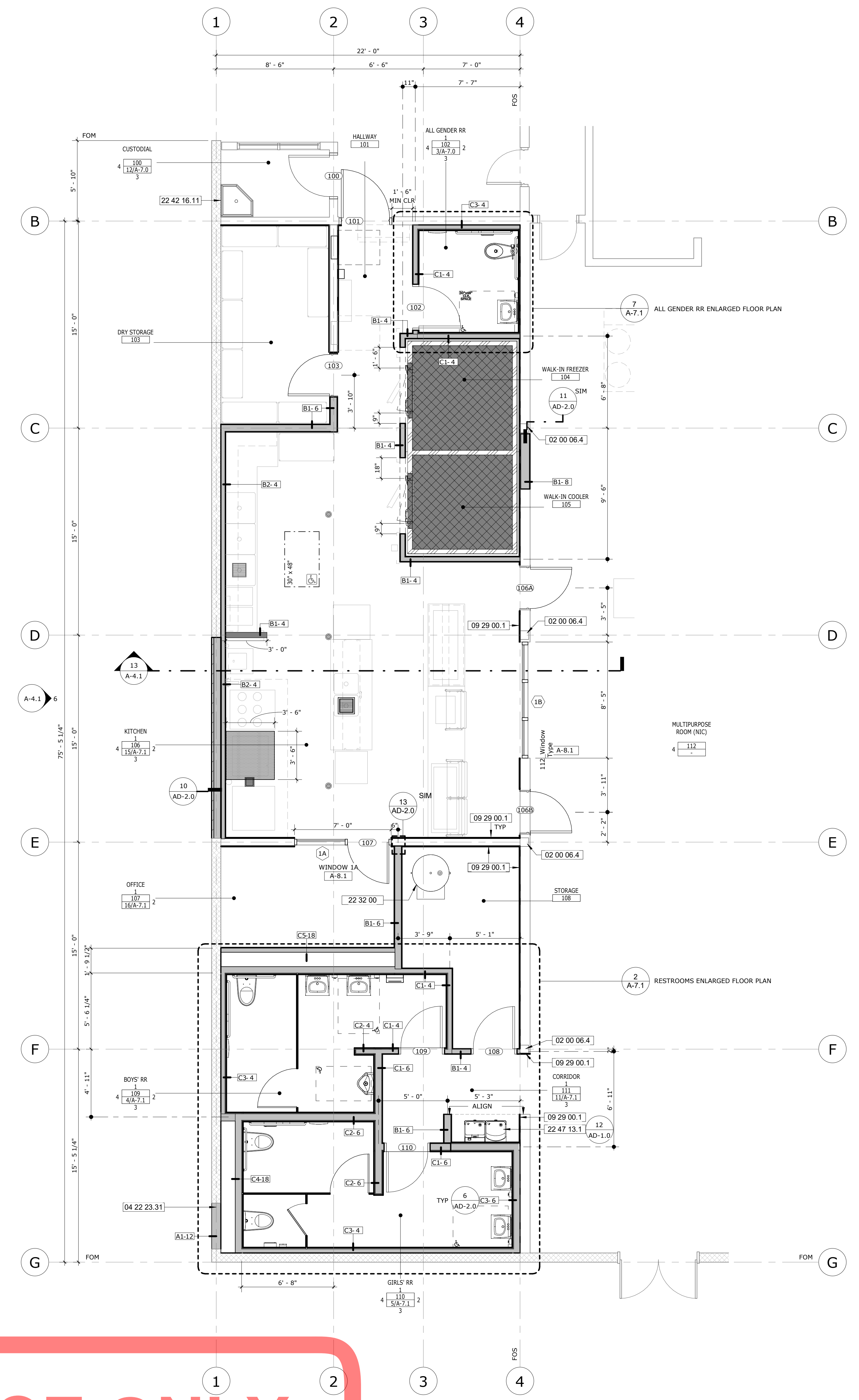
04 22 23.31	CONCRETE MASONRY UNIT WALL - 8" INFILL, TO MATCH (E)
09 29 00.1	GYPSUM BOARD WALL OVER (E) WALL
22 22 00	DOMESTIC WATER HEATER
22 42 16.11	MOP SINK, PER PLUMBING DRAWINGS
22 47 13.1	DRINKING FOUNTAIN WITH BOTTLE FILLER

FLOOR PLAN LEGEND

- (N) 9" DEPRESSED CONCRETE SLAB, FINISH FLOOR TO BE 2% SLOPE MAX. IN ALL DIRECTIONS. REFER TO FOOD SERVICES DRAWINGS FOR ADDITIONAL INFORMATION. REFER TO DETAIL **25 AD-2.0**
- (N) SMOOTH AND LEVELLED EPOXY FINISH OVER CONCRETE FLOOR AREA PER FOOD SERVICE DRAWINGS
- ROOM NAME & NUMBER
- WALL TYPE, REFER TO SHEET **AD-2.0**
- WALL WIDTH
- ROOM NAME
- ROOM NUMBER
- SHEET NUMBER
- INTERIOR ELEVATION NUMBER
- DOOR, SEE DOOR SCHEDULE, SHEET **A-8.1**
- DOOR NUMBER
- WINDOW TAG, SEE WINDOW SCHEDULE, SHEET **A-8.1**
- (N) FLOOR DRAIN. SEE DETAIL AND MEP & FOODSERVICE DWGS **15 AD-2.0**
- (N) FLOOR SINK. SEE DETAIL AND MEP & FOODSERVICE DWGS **15 AD-2.0**

WALL TYPES

	(E) EXTERIOR CMU WALL. PROTECT IN PLACE
	(E) WOOD STUD WALL. PROTECT IN PLACE
	(E) INTERIOR WOOD STUD WALL TO BE DEMOLISHED
	(N) EXTERIOR CMU WALL, TO MATCH EXISTING CMU WALL
	(N) INTERIOR WOOD STUD FULL HEIGHT WALL
	(N) COOLER / FREEZER WALL PANELS PER FOOD SERVICE DWGS
	(N) INTERIOR WOOD STUD 3'-4" PONY WALL



FOR REFERENCE ONLY

PROJECT No. :1-10-402
7/5/2024 4:12:53 PM

DATE	BY	DESCRIPTION

RUHNAUCLARKE.COM

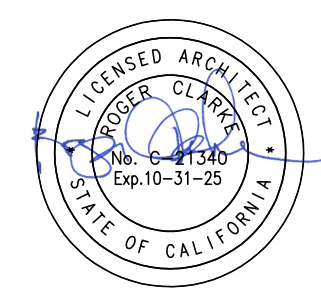
KITCHEN UPGRADES AT MADISON E.S.

FLOOR PLAN - NEW 1/4" = 1'-0" 1

FLOOR PLAN

A-1.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



AGENCY APPROVAL
DATE: 10/31/25

**RUHNAU
CLARKE
ARCHITECTS**

STAMPS

CONSULTANT BRANDING

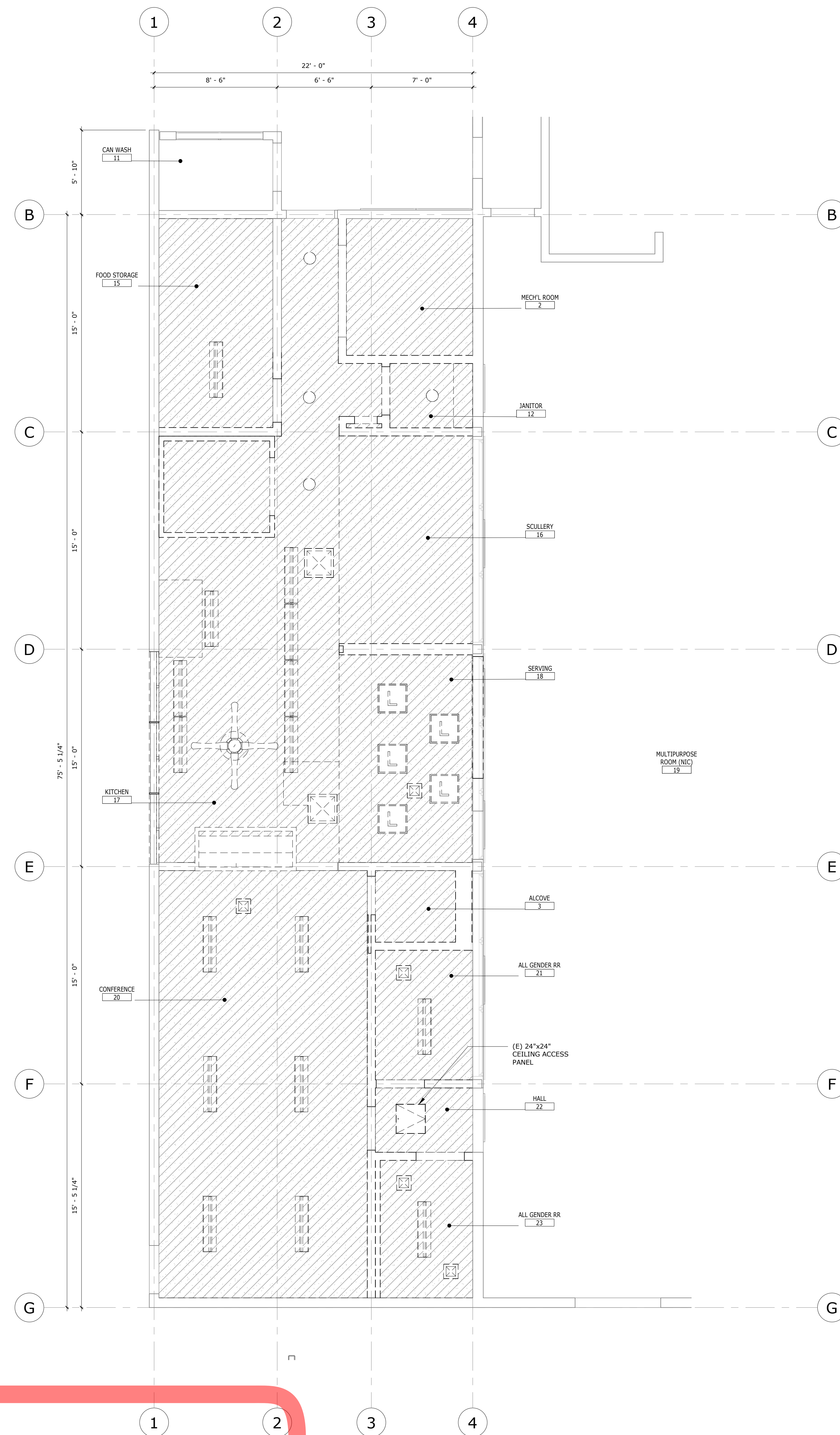
GENERAL NOTES

1. ALL LIGHT FIXTURES TO BE CENTERED IN SPACE, U.N.O.
2. ALL CEILING HEIGHTS ARE RELATIVE TO THE FINISH FLOOR DIRECTLY BENEATH.
3. ALL EXPOSED STRUCTURE TO BE COVERED WITH BLACK SCRIM PAPER FASTENED TO BOTTOM OF JOISTS. ALL MECHANICAL (INCLUDING REGISTERS), ELECTRICAL, PLUMBING, HANGER, BRACING, SUPPORT WIRE, ETC. BELOW BLACK SCRIM PAPER TO BE PAINTED BLACK TO MATCH. REFER TO U.O.S. CEILINGS ON RCF AND IN FINISH SCHEDULE. ALL SUPPLIES AND RETURN REGISTERS TO BE PRE-FINISHED TO MATCH SCRIM PAPER COLOR.
4. ALL MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT TO BE HELD AS TIGHT AS POSSIBLE TO CEILING STRUCTURE.
5. ALL CONDUIT IN EXPOSED AREAS WHERE CEILING STRUCTURE IS EXPOSED CAN ONLY PENETRATE WALLS AT ROOF / FLOOR DECK.
6. REFER TO ELECTRICAL & MECHANICAL DRAWINGS FOR CEILING COMPONENT CALLOUTS AND FIXTURE TYPES.
7. PAINT ALL SUPPLY & RETURNS OF ALL ACCENT PAINTED CEILING AREAS.
8. LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.

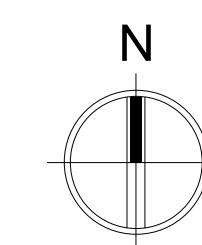
KEYNOTE - EXISTING & DEMO

DEMO CEILING PLAN LEGEND

- DEMOLITION**
- DEMO (E) PLASTER CEILING SYSTEM IN ITS ENTIRETY
 - DEMO (E) LIGHTING FIXTURE. SEE ELEC DWGS
 - DEMO (E) SUPPLY DIFFUSER PER MECH DWGS
 - DEMO (E) RETURN AIR GRILLE PER MECH DWGS
 - DEMO (E) CEILING ACCESS HATCH PANEL



FOR REFERENCE ONLY



DEMO REFLECTED CEILING PLAN SCALE: 1/4" = 1'-0" 1

PROJECT No. :1-10-402
7/5/2024 4:12:53 PM

DATE	BY	DESCRIPTION

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

**DEMO REFLECTED
CEILING PLAN**

A-2.0

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



STAMPS AGENCY APPROVAL

**RUHNAU
CLARKE
ARCHITECTS**

CONSULTANT BRANDING

GENERAL NOTES

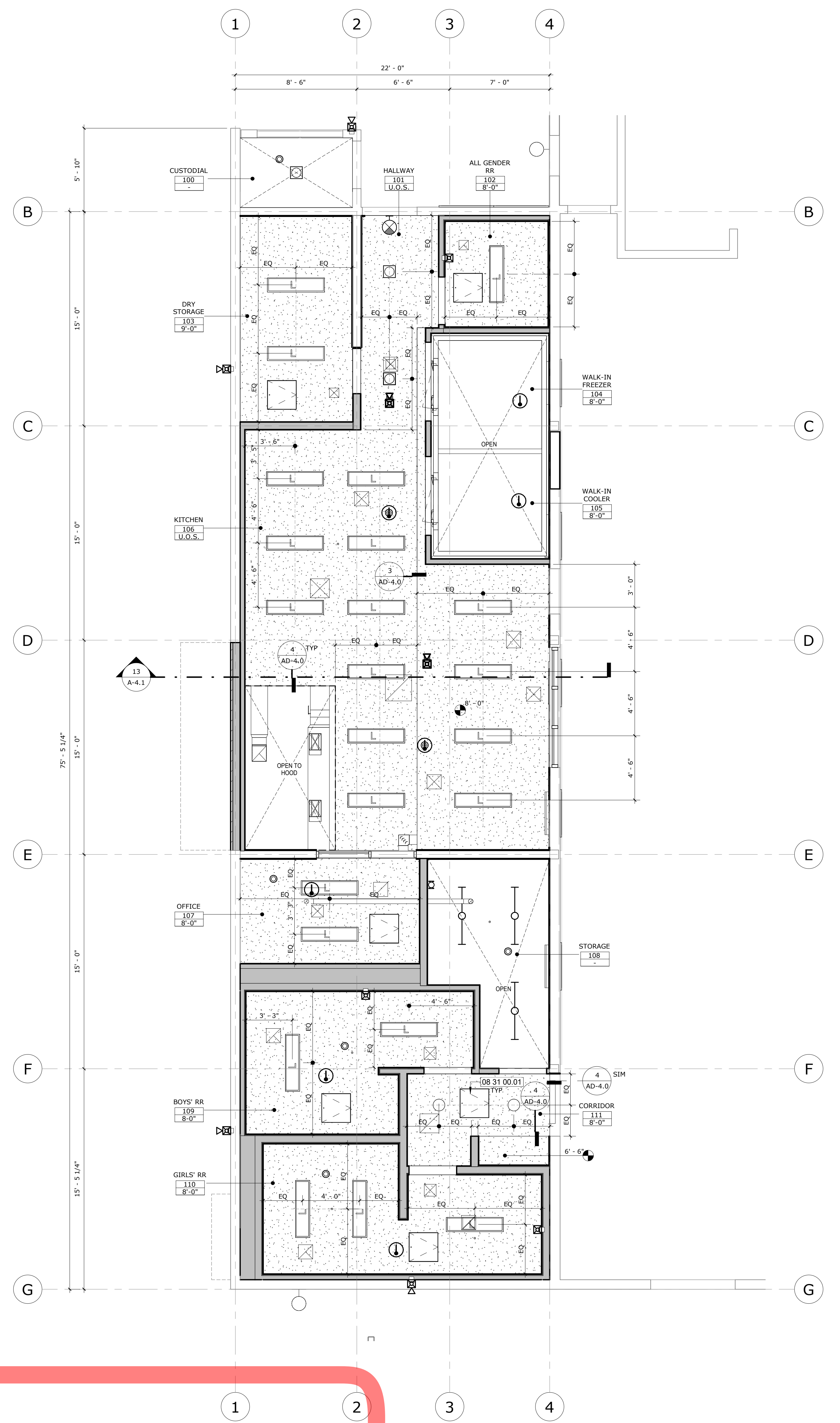
1. ALL LIGHT FIXTURES TO BE CENTERED IN SPACE, U.N.O.
2. ALL CEILING HEIGHTS ARE RELATIVE TO THE FINISH FLOOR DIRECTLY BENEATH.
3. ALL EXPOSED STRUCTURE TO BE COVERED WITH BLACK SCRIM PAPER FASTENED TO BOTTOM OF JOISTS. ALL MECHANICAL (INCLUDING REGISTERS), ELECTRICAL, PLUMBING, HANGER, BRACING, SUPPORT WIRE, ETC. BELOW BLACK SCRIM PAPER TO BE PAINTED BLACK TO MATCH. REFER TO U.O.S. CEILINGS ON RCP AND IN FINISH SCHEDULE. ALL SUPPLIES AND RETURN REGISTERS TO BE PRE-FINISHED TO MATCH SCRIM PAPER COLOR.
4. ALL MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT TO BE HELD AS TIGHT AS POSSIBLE TO CEILING STRUCTURE.
5. ALL CONDUIT IN EXPOSED AREAS WHERE CEILING STRUCTURE IS EXPOSED CAN ONLY PENETRATE WALLS AT ROOF / FLOOR DECK.
6. REFER TO ELECTRICAL & MECHANICAL DRAWINGS FOR CEILING COMPONENT CALLOUTS AND FIXTURE TYPES.
7. PAINT ALL SUPPLY & RETURNS OF ALL ACCENT PAINTED CEILING AREAS.
8. LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.

KEYNOTES RCP

08 31 00.01	CEILING ACCESS PANEL
-------------	----------------------

CEILING PLAN LEGEND

	(N) GYPSUM BOARD CEILING SYSTEM	2	AD-4.0
	(N) CEILING OPEN TO ABOVE		
	(N) SURFACE MOUNTED LIGHTING, SEE ELEC'L DETAIL	4	ED-1.1
	(N) RECESSED LIGHT FIXTURES, SEE ELEC'L DETAIL	6	ED-1.1
	(N) LIGHT FIXTURES, SEE ELEC'L DETAIL & DETAIL	7	AD-4.0
	(N) SUPPLY DIFFUSER PER MECH DWGS	8	AD-4.0
	(N) RETURN AIR GRILLE PER MECH DWGS	8	AD-4.0
	(N) CEILING ACCESS HATCH PANEL, PAINT TO MATCH ADJACENT CEILING, PER DETAIL	5	AD-4.0



FOR REFERENCE ONLY

PROJECT No. :1-10-402	DATE	BY	CHECKED BY
7/5/2024 4:12:54 PM			
DELTA #	DATE	ADD	REV
DELTA #	DATE	ADD	REV
DELTA #	DATE	ADD	REV

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92503 (951) 684-4664 / 3751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

REFLECTED CEILING PLAN SCALE: 1/4" = 1'-0" 1

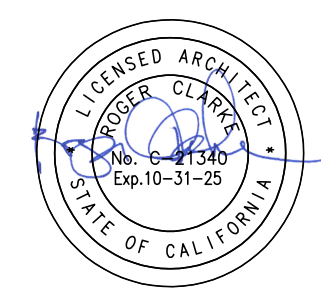
KITCHEN UPGRADES AT MADISON E.S.

5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660 TWIN RIVERS UNIFIED SCHOOL DISTRICT

REFLECTED CEILING PLAN

A-2.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



RUHNAU
CLARKE
ARCHITECTS

STAMPS
AGENCY APPROVAL
DATE: 8/8/2024 12:55 PM

CONSULTANT BRANDING

GENERAL NOTES

- SEE MECHANICAL PLANS FOR EXTEND OF DEMOLITION WORK AT EXISTING ROOF.
- SEE DETAIL 5/AD-3.0 FOR VENT FLASHING.
- FOR PIPE VENT PENETRATIONS THROUGH ROOF, REFER TO DETAIL 9/AD-3.0
- ALL CRICKETS SHALL BE SHAPED WITH PLYWOOD WITH A MIN. 1.5% SLOPE TO ROOF AND OVERFLOW DRAINS, SEE DETAIL 3/AD-3.0
- AT MECHANICAL EQUIPMENT, REFER TO DETAIL 4/AD-3.0 FOR ROOF CURB.
- LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.

KEYNOTES - ROOF PLAN

07 01 50.20	PATCH AND REPAIR TO EXISTING CONDITIONS 07 01 00
23 34 00.01	ROOF EXHAUST PER MECHANICAL DWGS
23 74 00.01	MECHANICAL PACKAGE AIR CONDITIONING UNIT REF MECHANICAL DWGS
23 74 00.02	MAKEUP ARE UNIT REF MECHANICAL DWGS

ROOF PLAN LEGEND

	CLASS 'A' TPA ROOF ASSEMBLY 2 AD-3.0
	ROOF CRICKET - MIN. 1.5% SLOPE TO ROOF AND OVERFLOW DRAINS MAINTAIN MIN. SLOPE PER SPECS ALONG FLOW LINES, U.N.O. 3 AD-3.0



FOR REFERENCE ONLY

PROJECT No. :1-10-402	7/5/2024 4:12:55 PM
DRAWN BY:	CHECKED BY:
DELTA # DATE	ADD AFO CCD REV
DELTA # DATE	ADD AFO CCD REV
DELTA # DATE	ADD AFO CCD REV

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

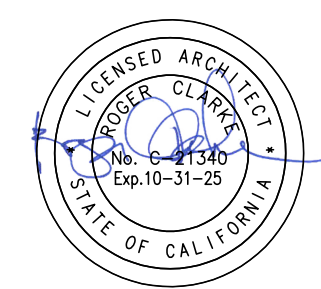
ROOF PLAN

A-3.1

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

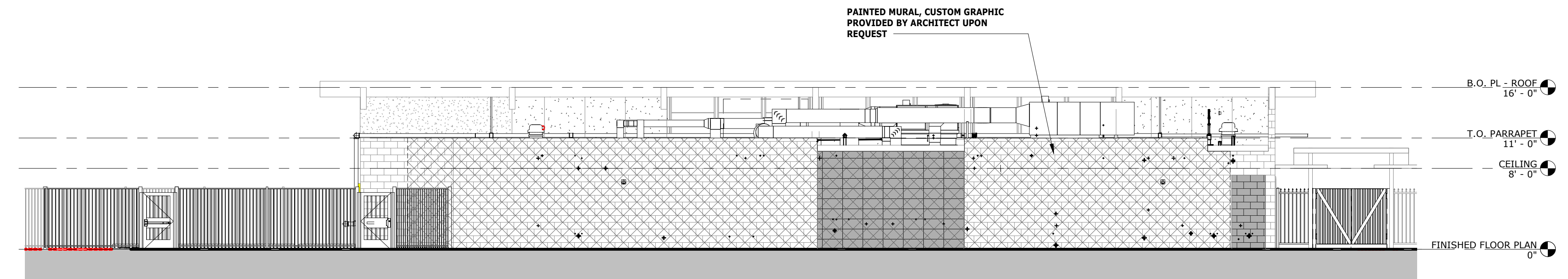


AGENCY APPROVAL
DATE: 08/10/24

**RUHNAU
CLARKE
ARCHITECTS**

STAMPS

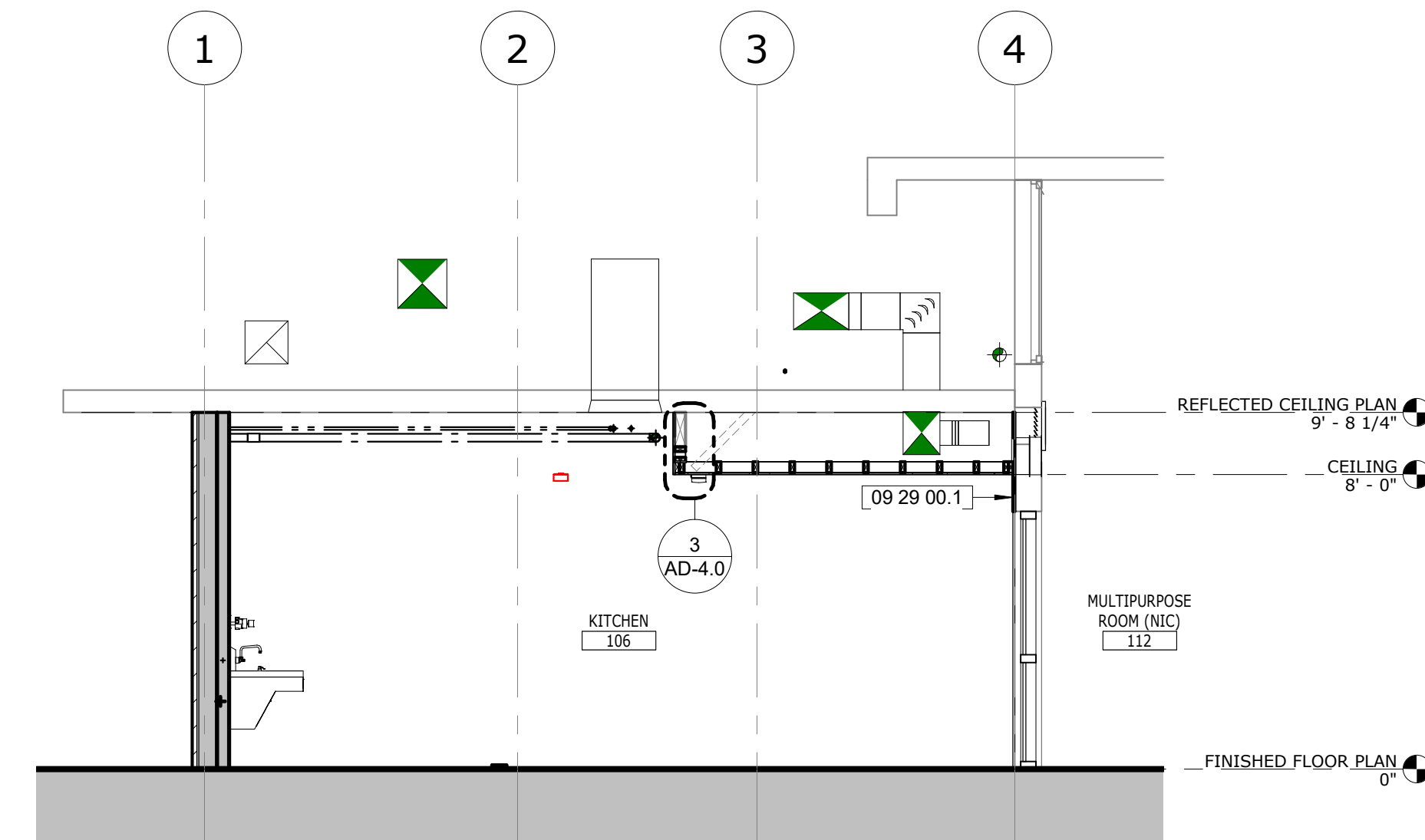
CONSULTANT BRANDING



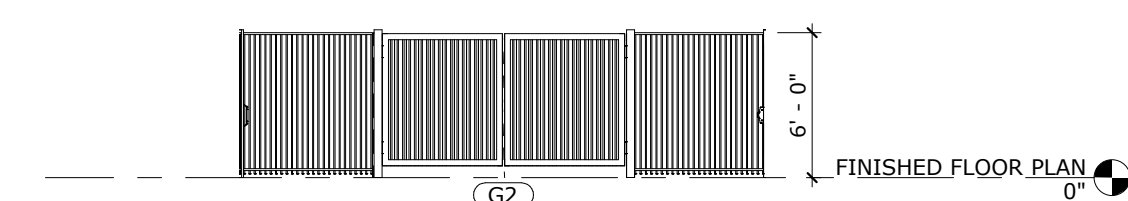
EXTERIOR ELEVATION - WEST SCALE: 1/8" = 1'-0" 6

KEYNOTES

NOTE: SPECIFIC DEMOLITION SCOPE IS INDICATED BY KEYNOTES 02.41.00.00 THRU 02.41.00.99. SEE NOTES, GENERAL NOTES, DETAILS, AND DOCUMENTS PREPARED BY OTHER DISCIPLINES FOR INFORMATION AND FULL SCOPE OF DEMOLITION.
09 29 00.1 GYPSUM BOARD WALL OVER (E) WALL
32 31 16 (N) ACCESSIBLE METAL GATE, SEE GATE SCHEDULE FOR MORE DETAILS
32 31 18 METAL FENCE

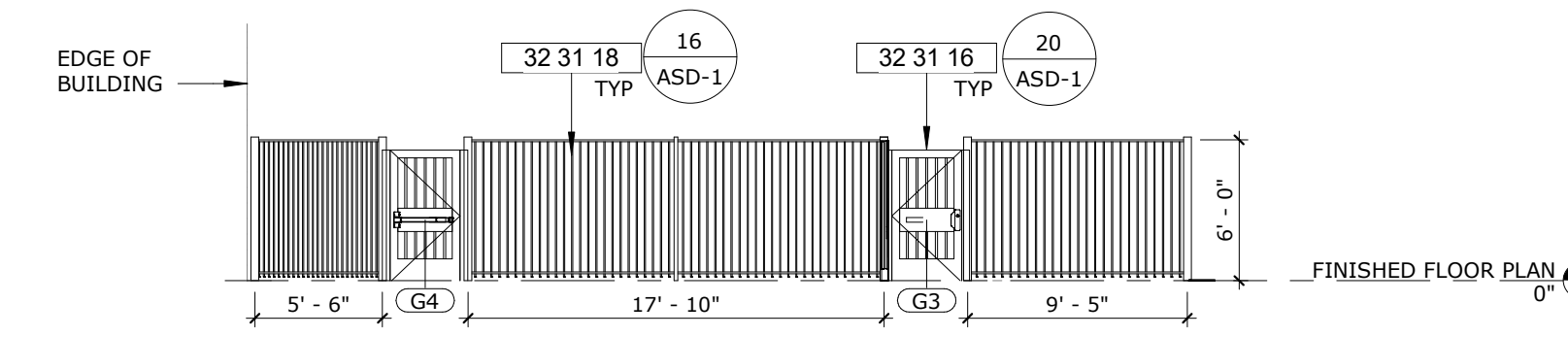


BUILDING SECTION B-B SCALE: 1/4" = 1'-0" 13



TRASH ENCLOSURE - NORTH SCALE: 1/8" = 1'-0" 8

KEYNOTE - EXISTING & DEMO

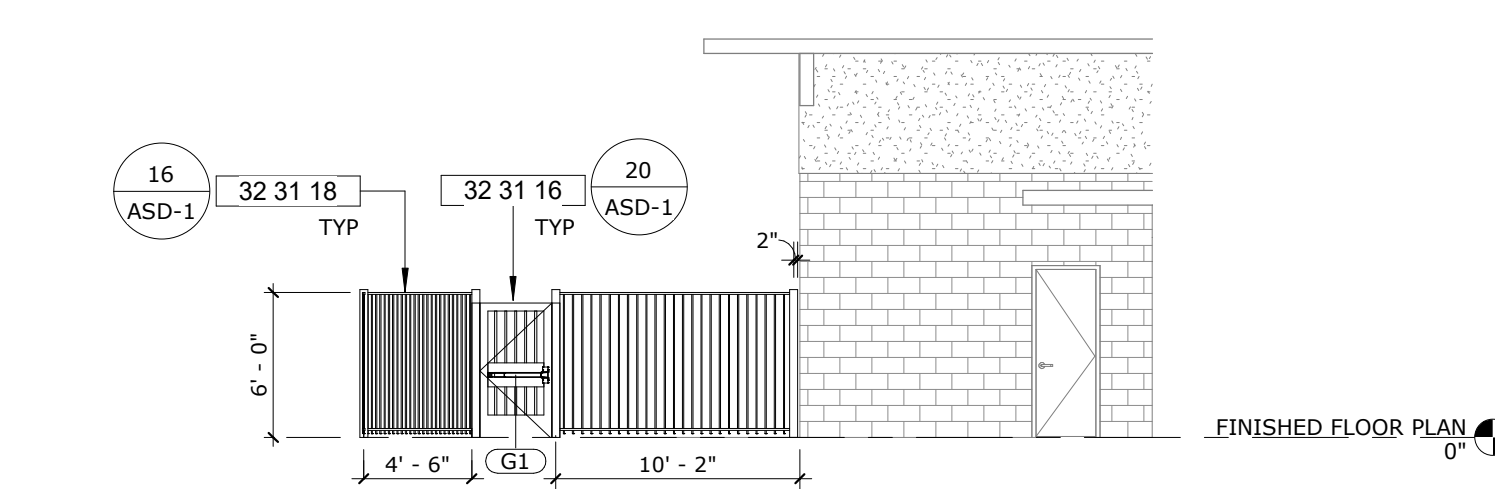


TRASH ENCLOSURE - WEST SCALE: 1/8" = 1'-0" 9

EXTERIOR ELEVATIONS LEGEND

- CONCRETE MASONRY UNITS (CMU-1), SEE DETAIL. SEE SPECIFICATION SECTION 04 20 01. (18 AD-2.0)
- CEMENT PLASTER - PLASTER FINISH (CPL-1) SEE SPECIFICATION SECTION 09 24 00.
- EXTERIOR PAINT - PAINT ON CMU (P-4 THRU 9) SEE SPECIFICATION SECTION 09 91 13.

NOTE: REFER TO COLORS, MATERIALS AND FINISHES LEGEND FOR ADDITIONAL INFORMATION (10-1.0)



TRASH ENCLOSURE - EAST SCALE: 1/8" = 1'-0" 10

EXTERIOR ELEVATIONS & SECTION

A-4.1

FOR REFERENCE ONLY

PROJECT No. :1-10-402
7/5/2024 4:12:58 PM

DATE	BY	REVISION

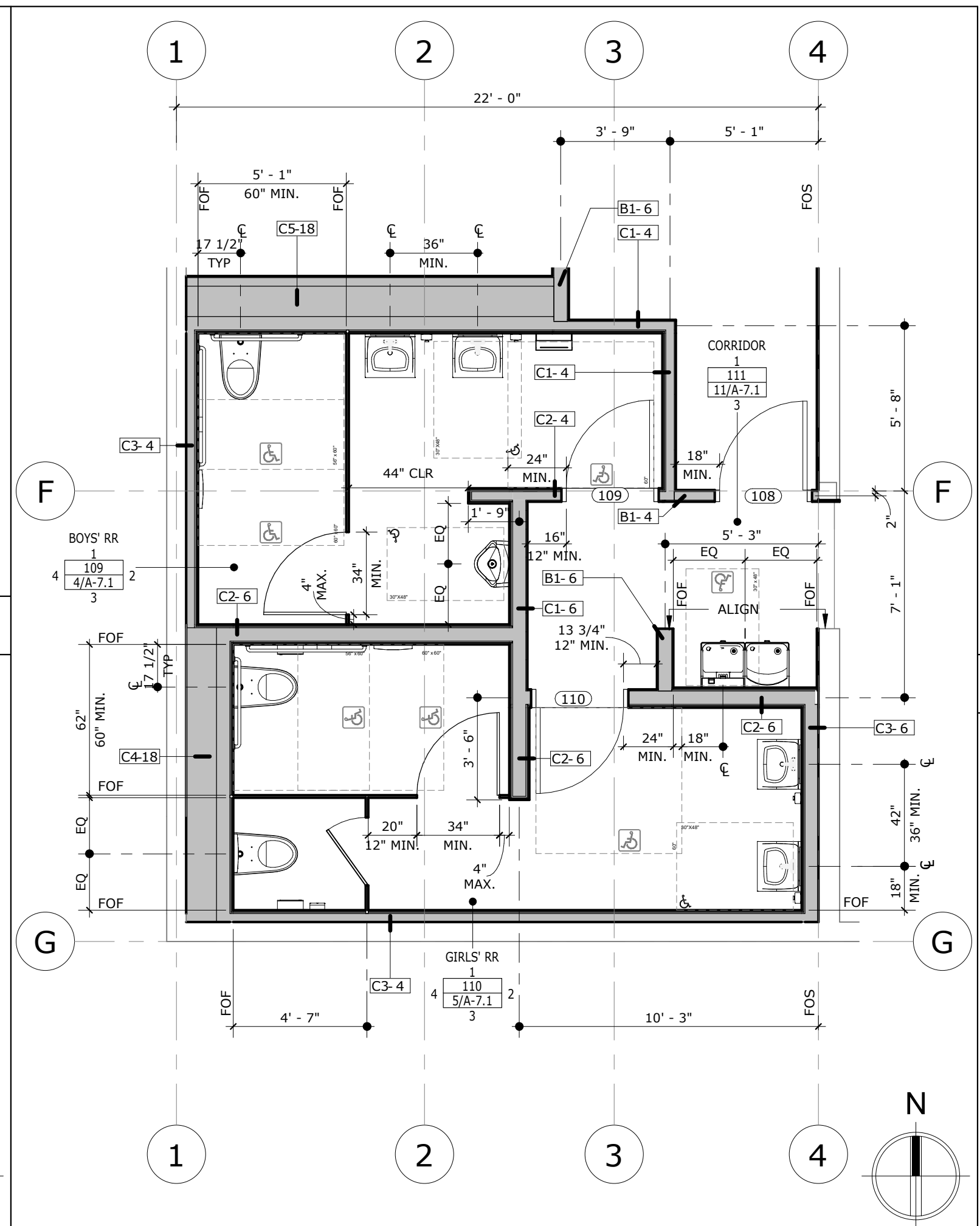
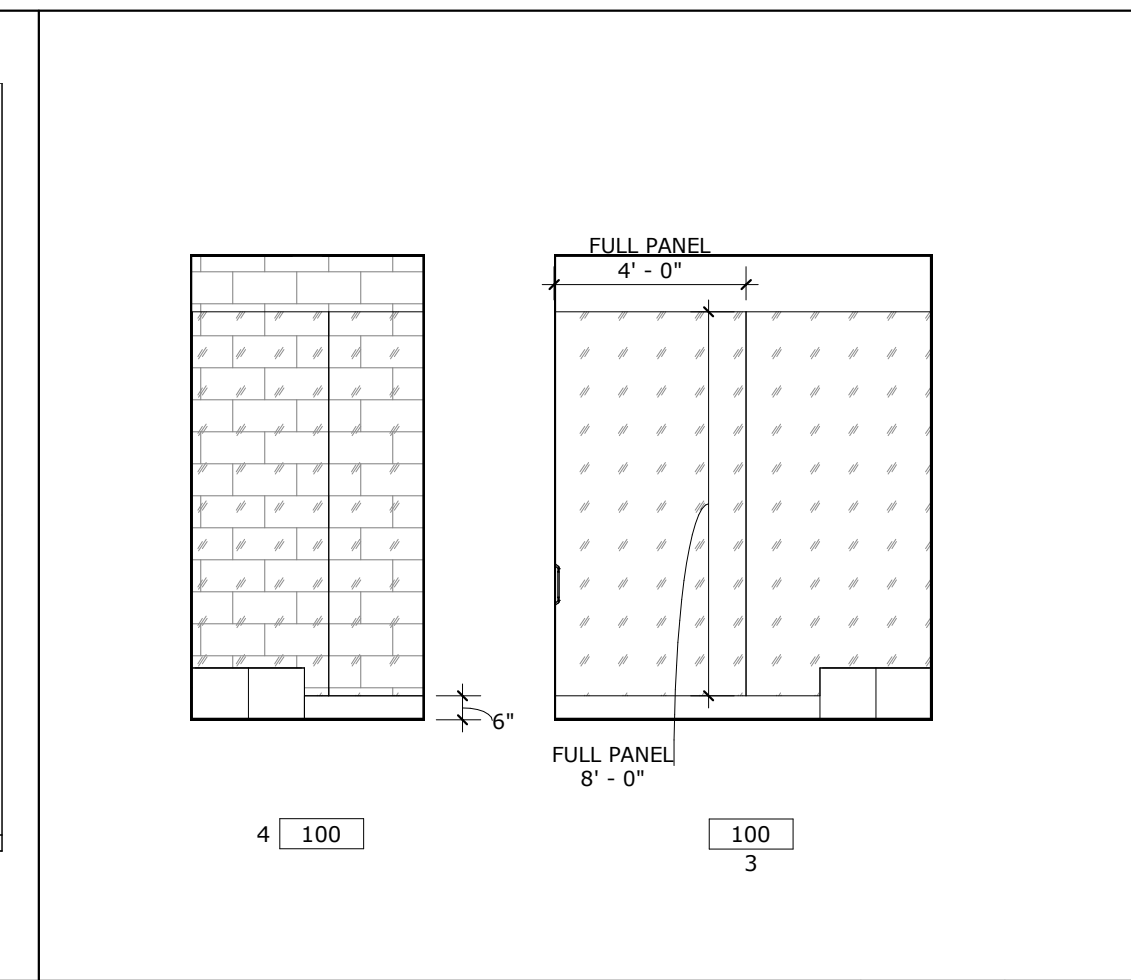
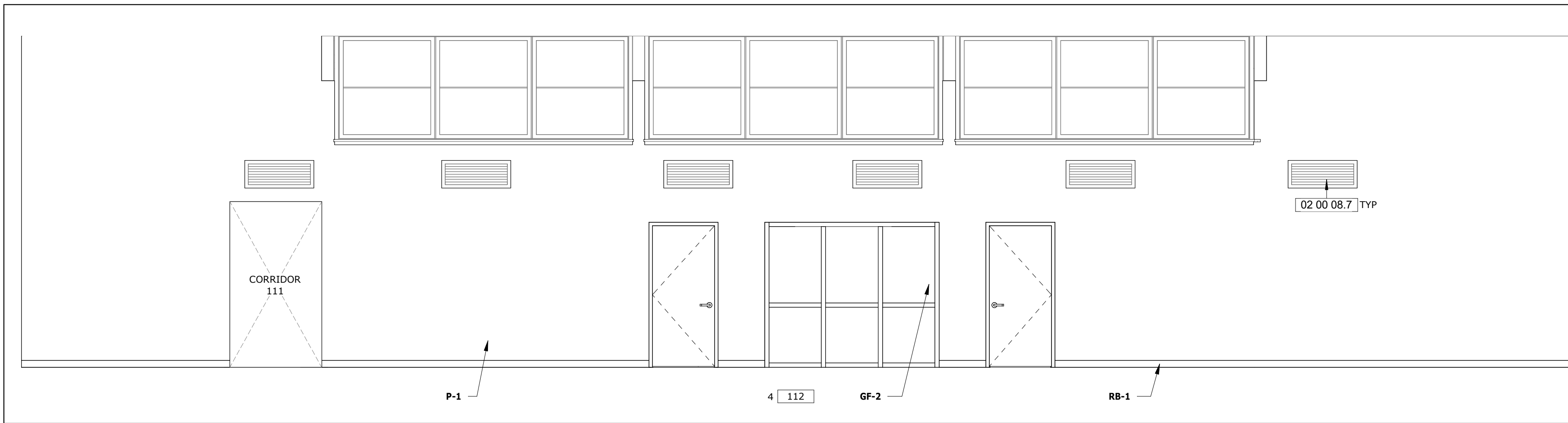
RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92503 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

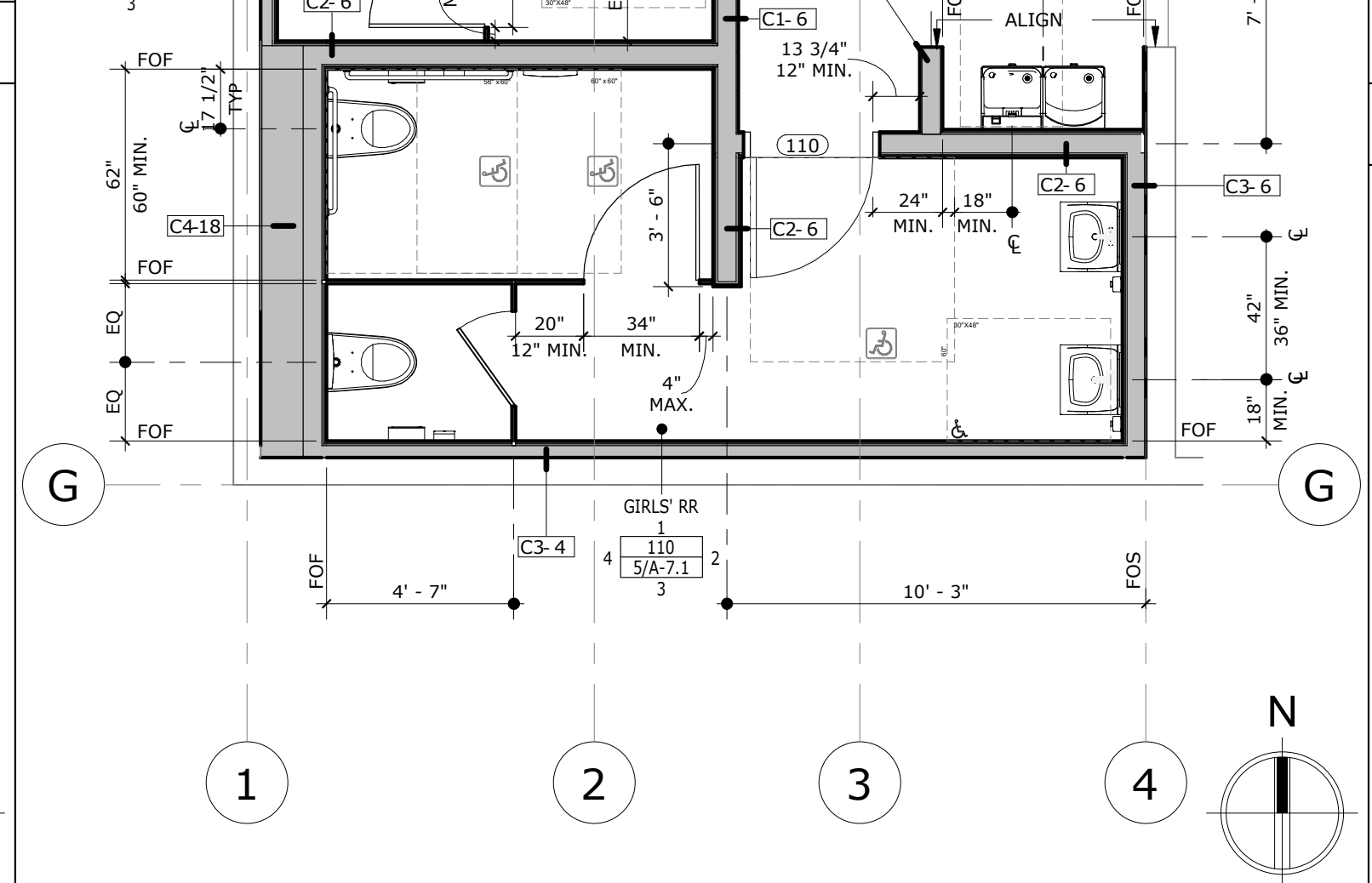
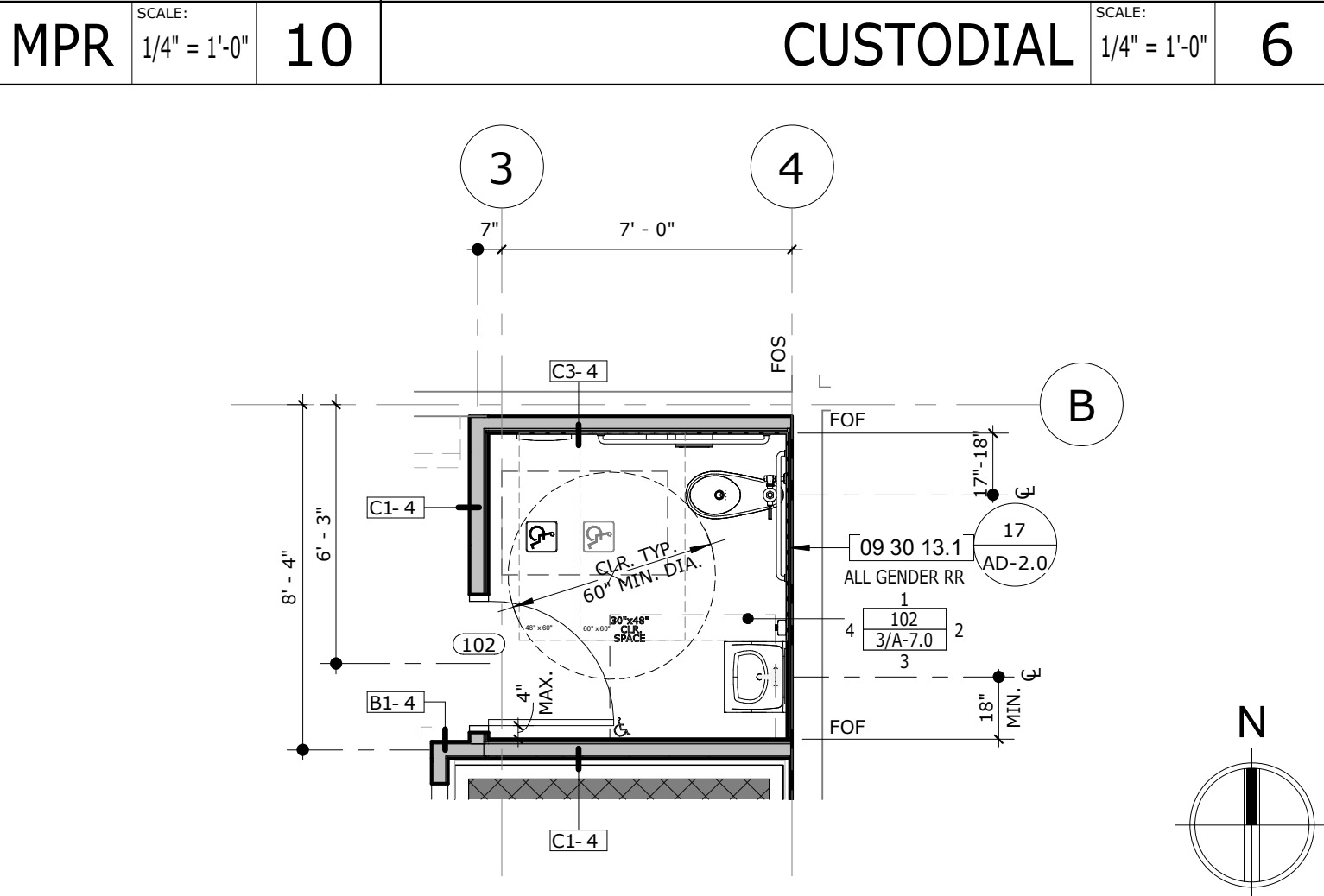
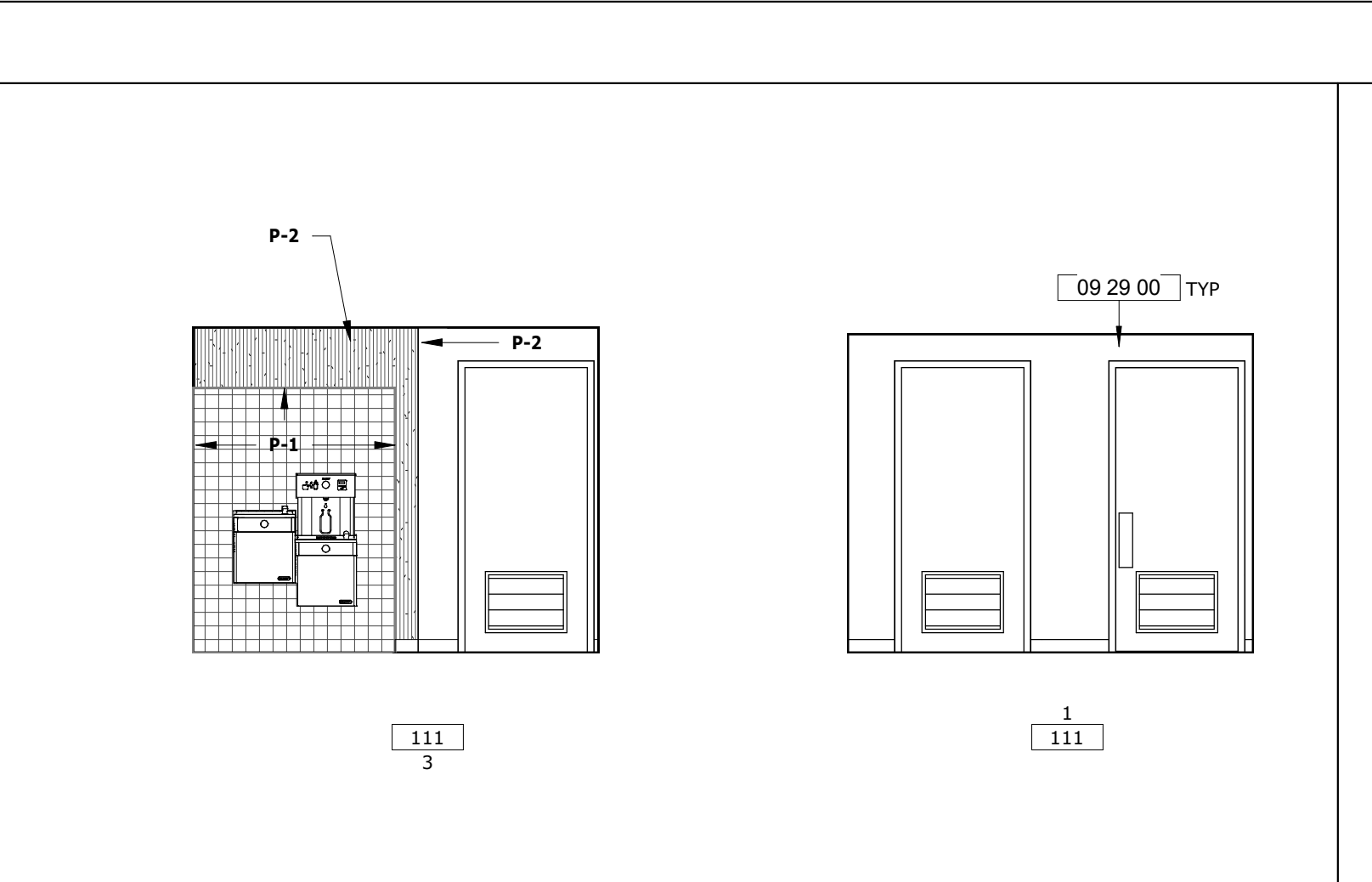
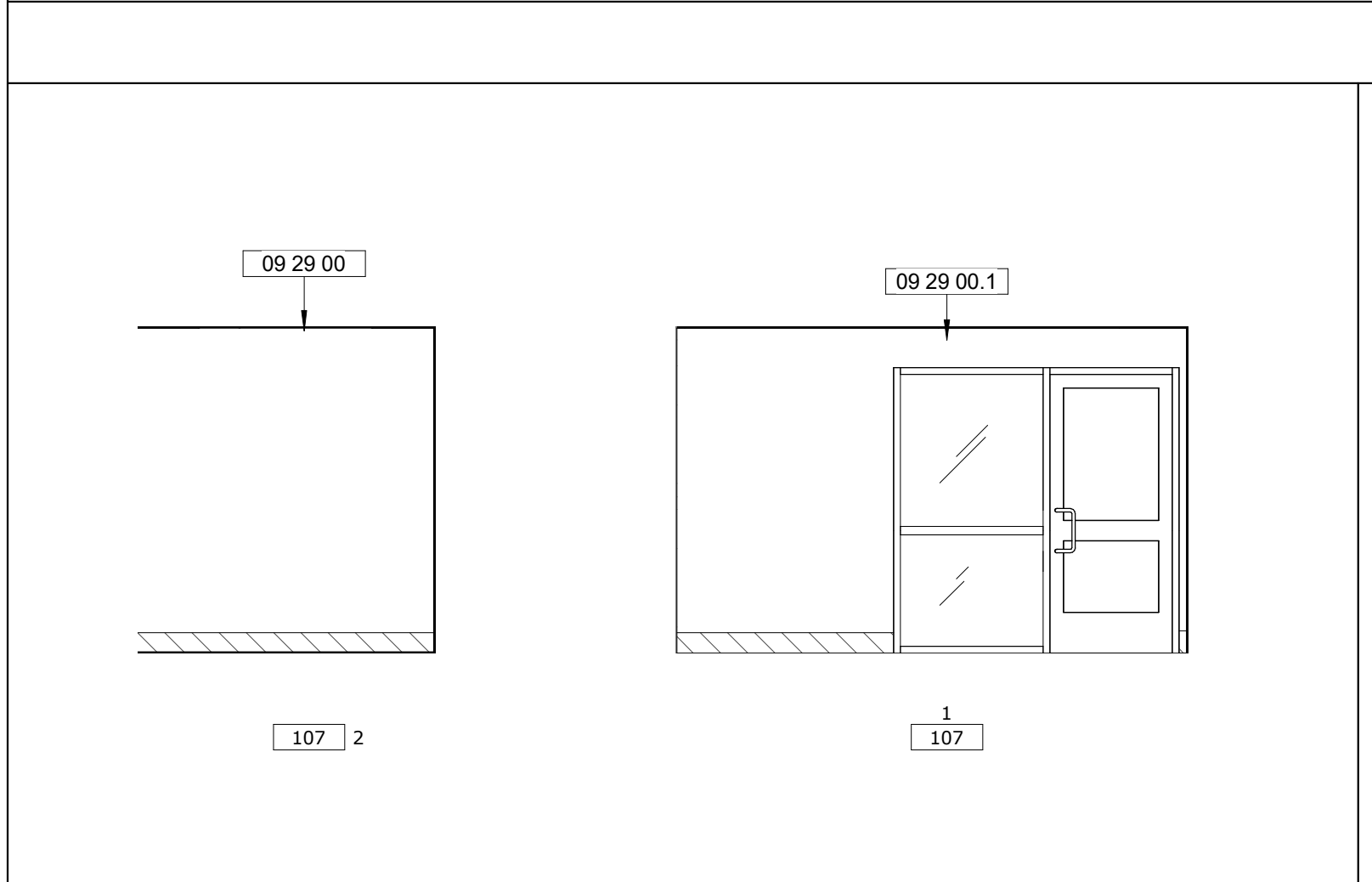
KITCHEN UPGRADES AT MADISON E.S.

5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

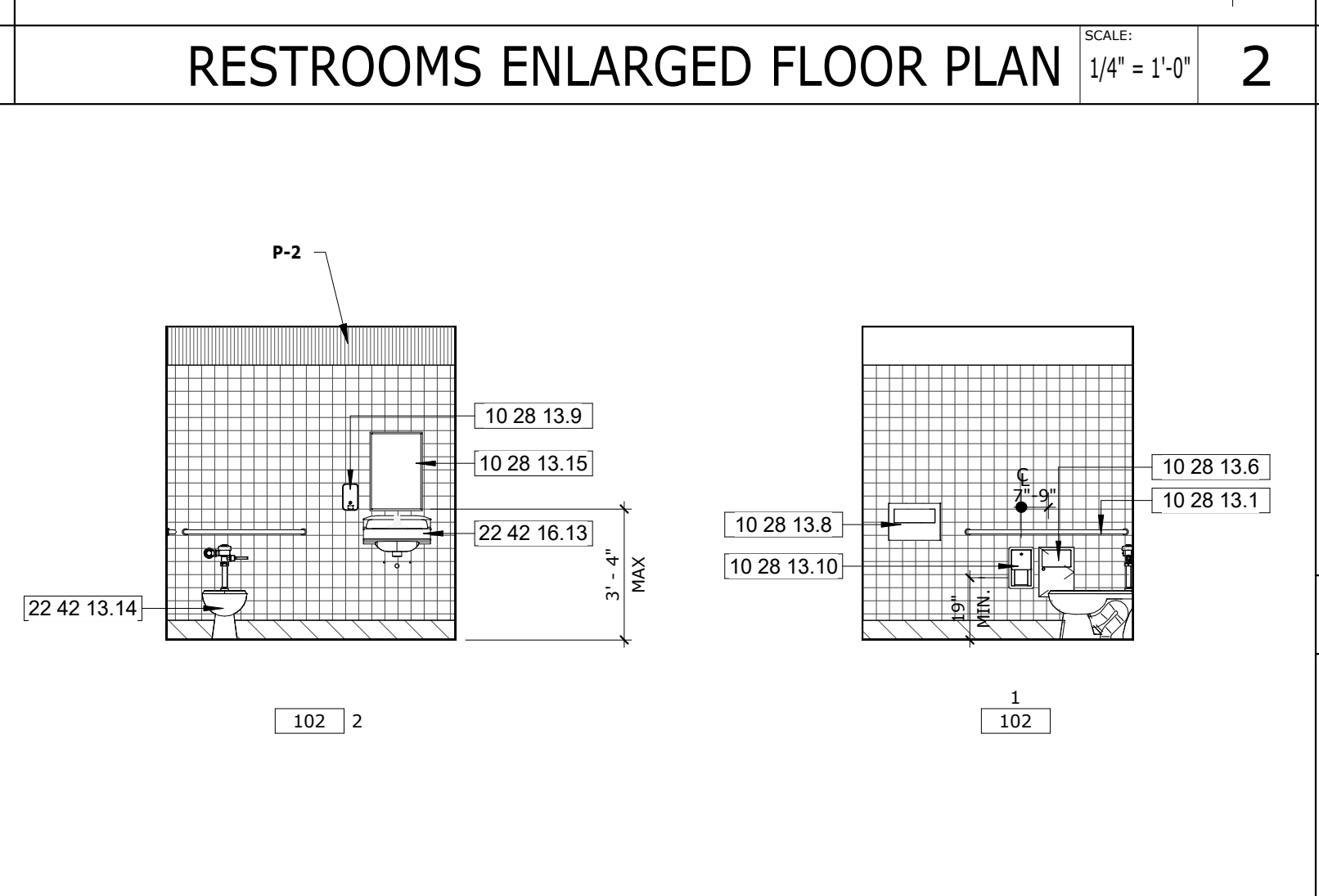
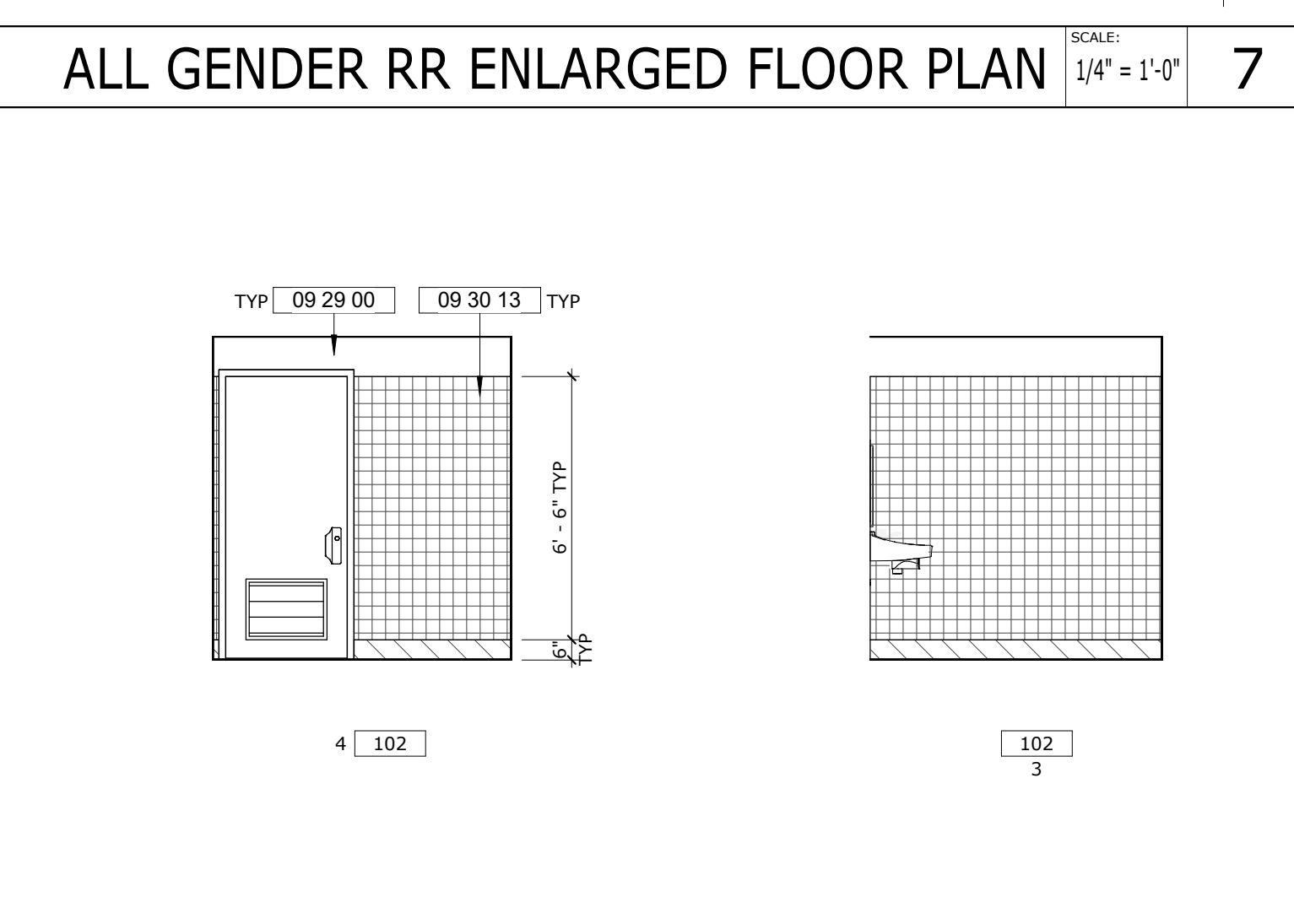
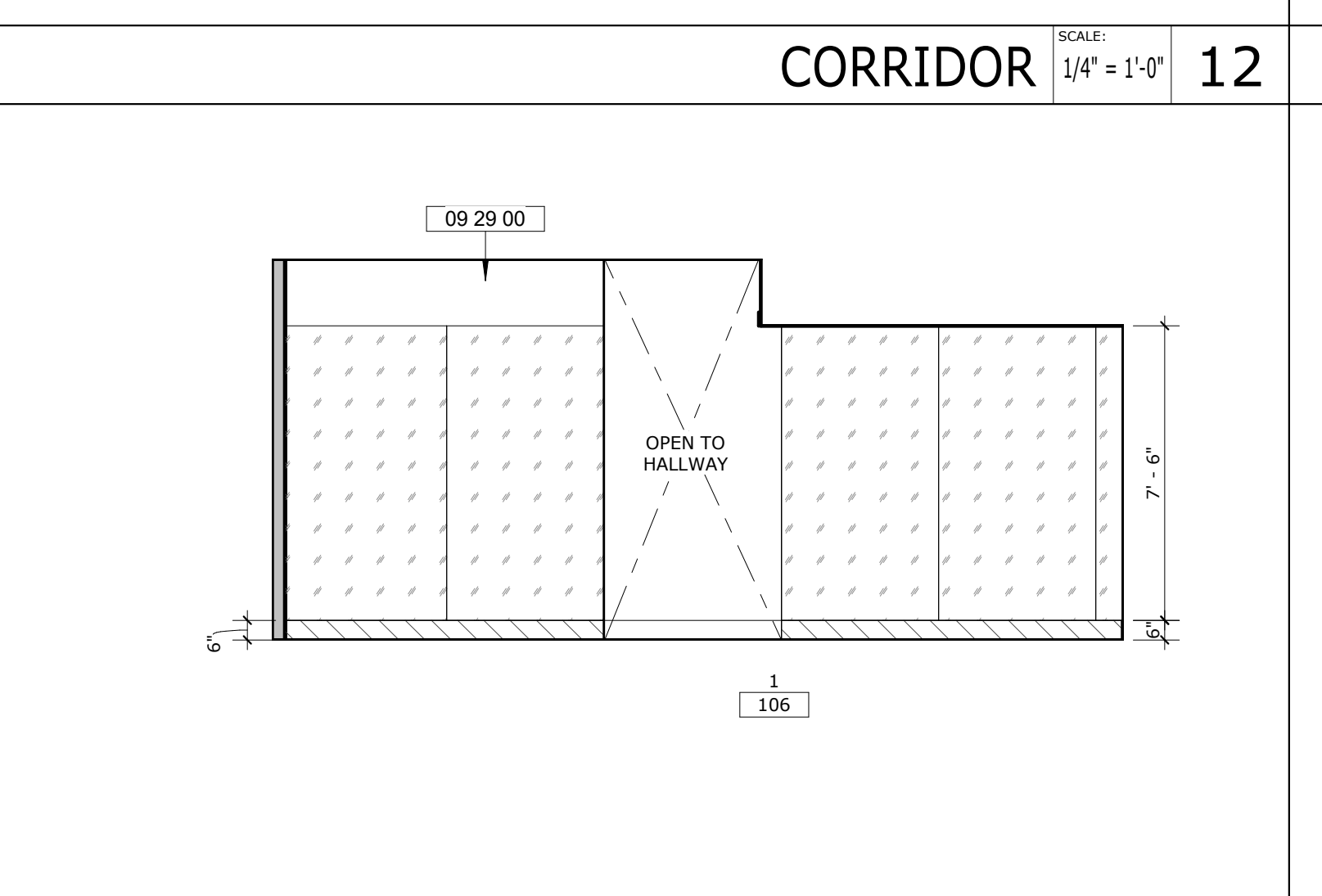
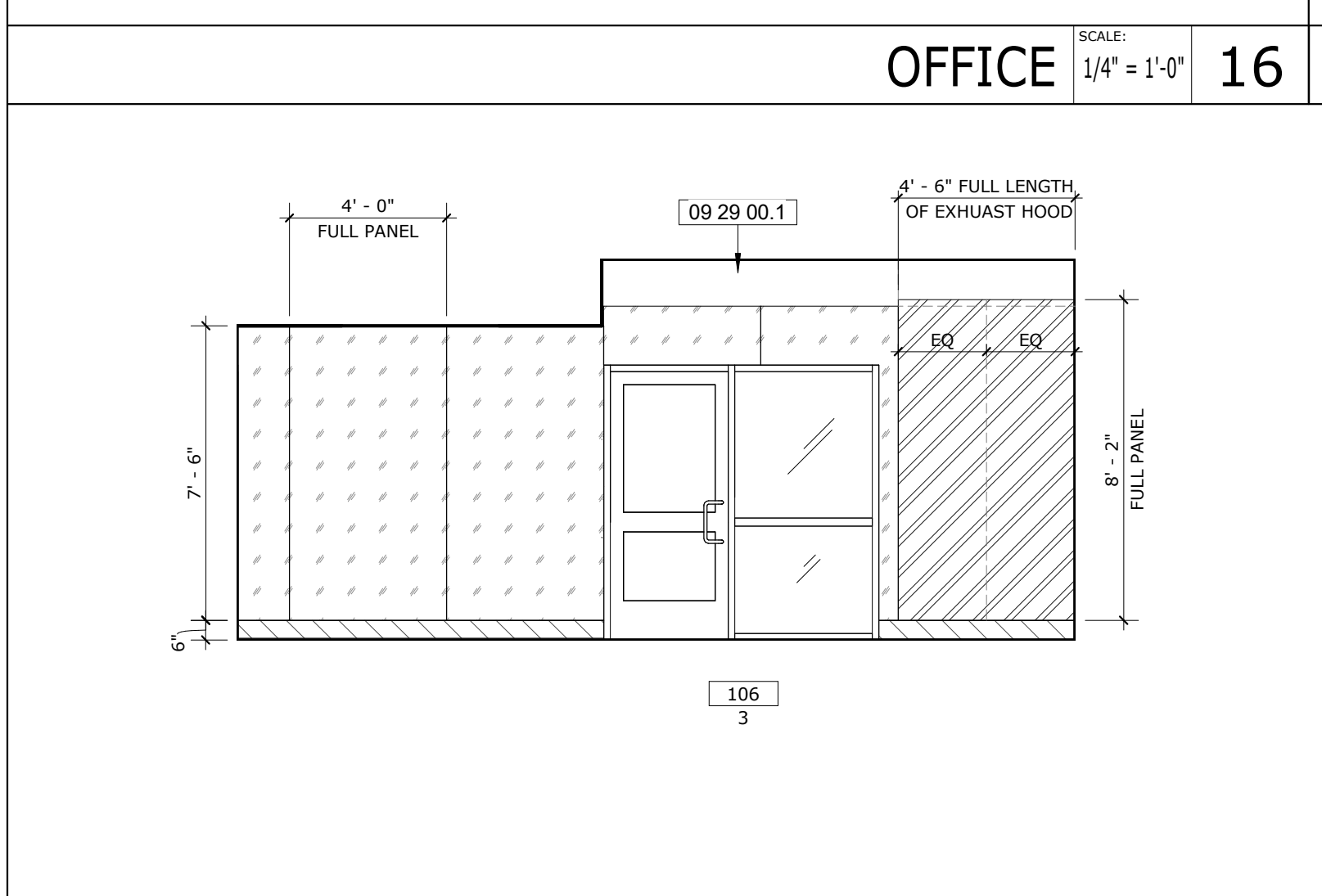
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



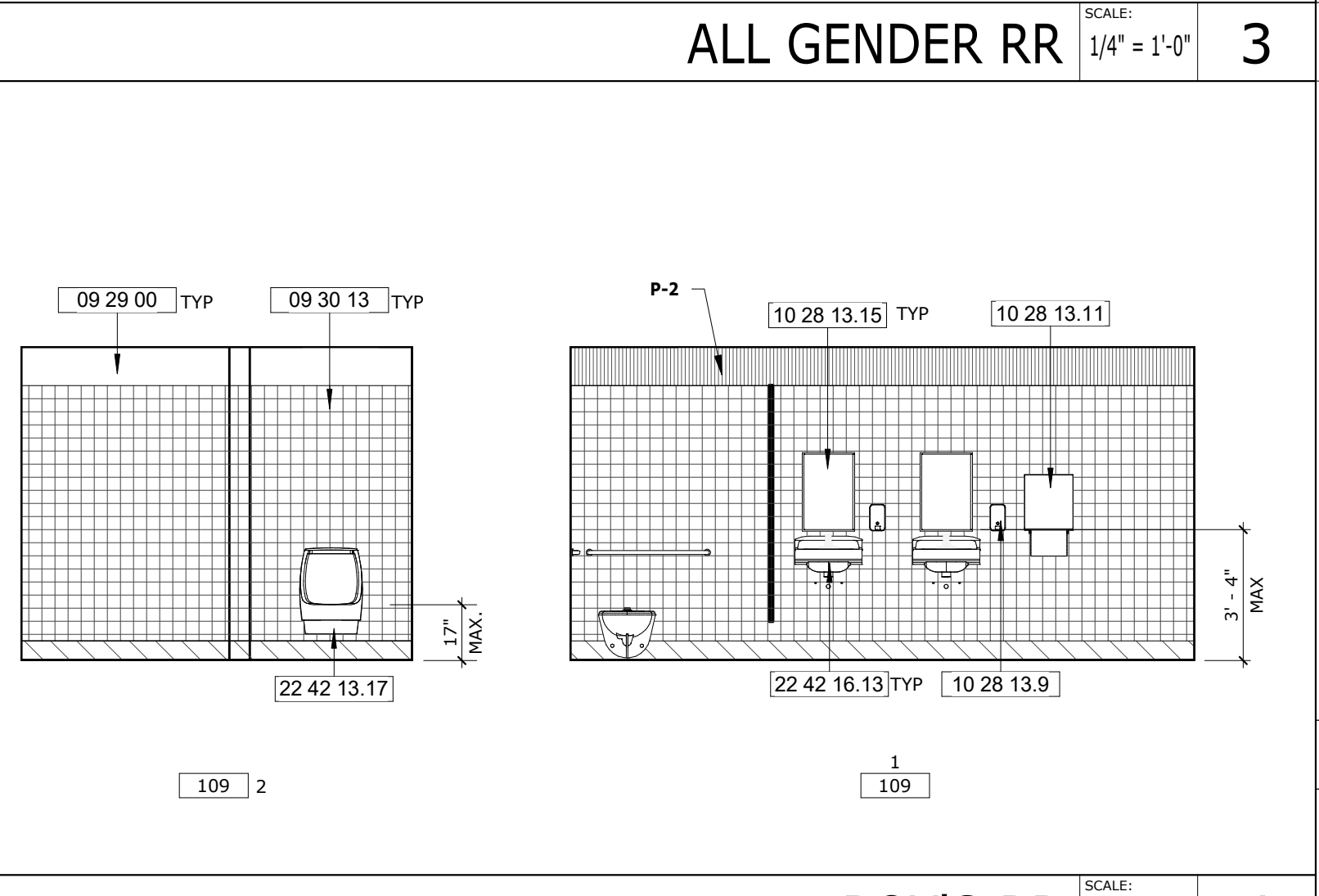
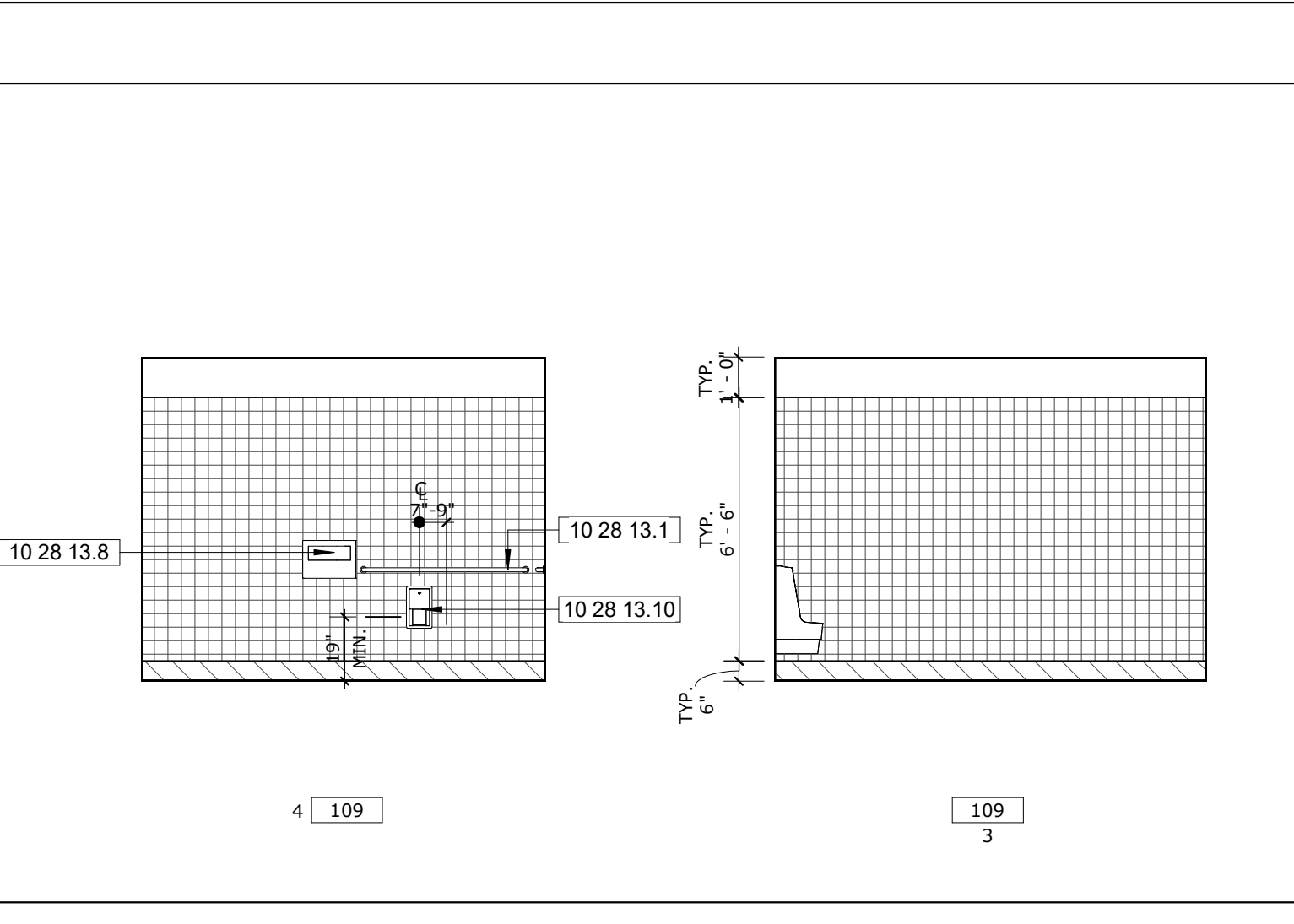
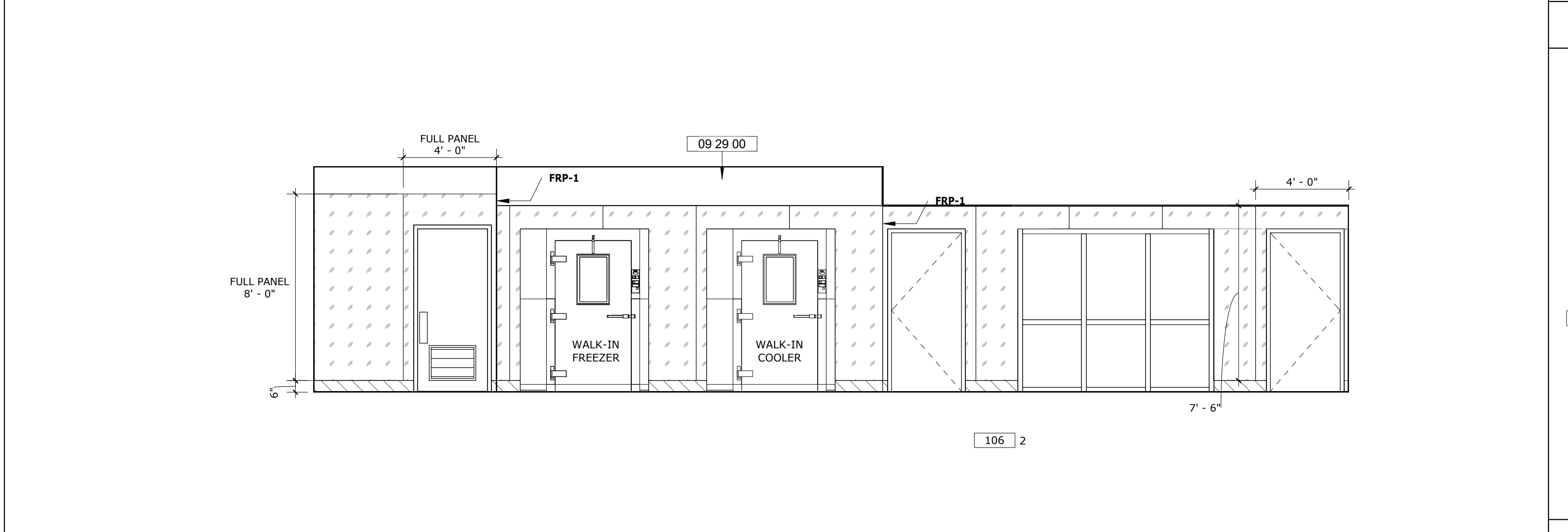
R U H N A U
 C L A R K E
 A R C H I T E C T S



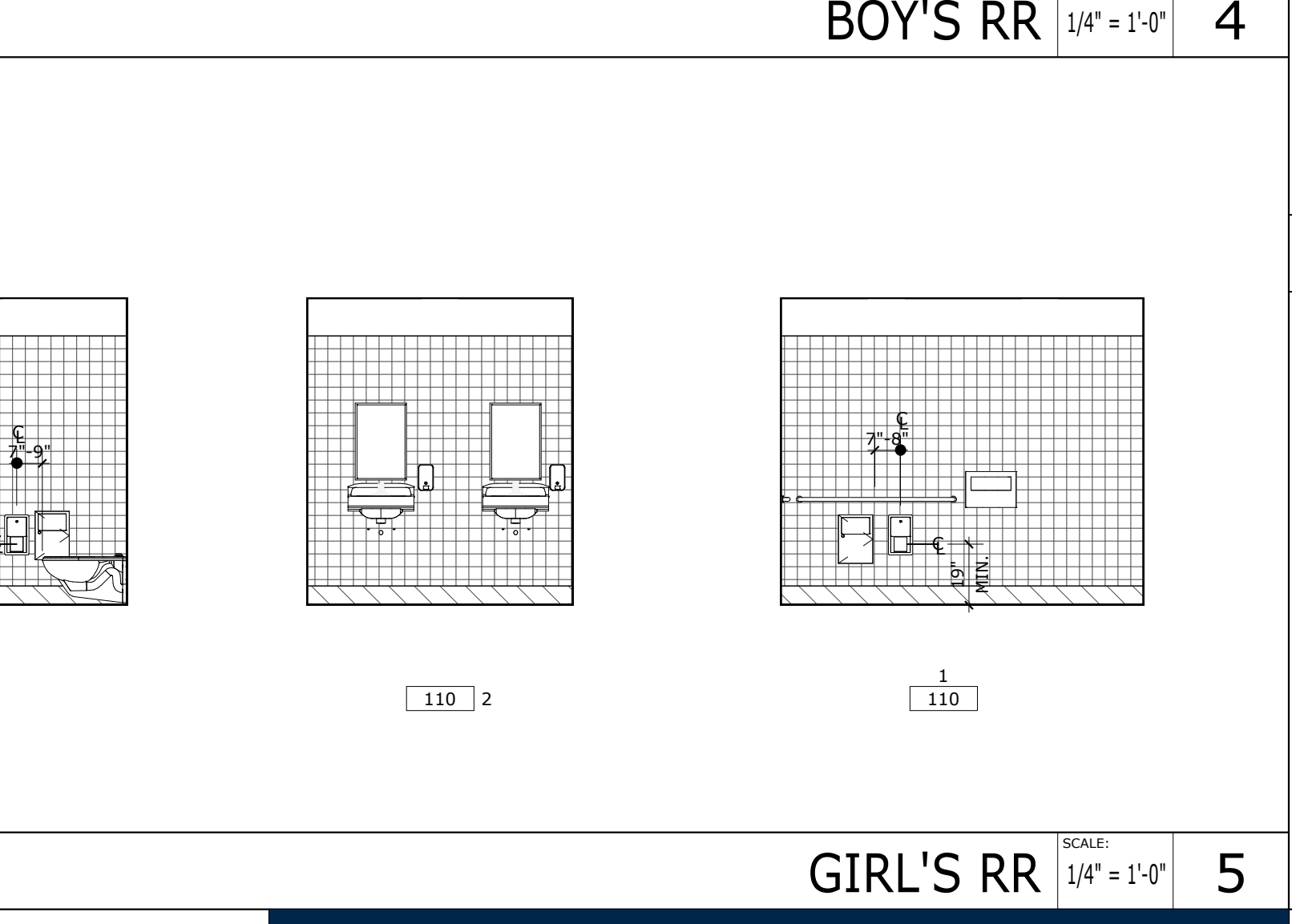
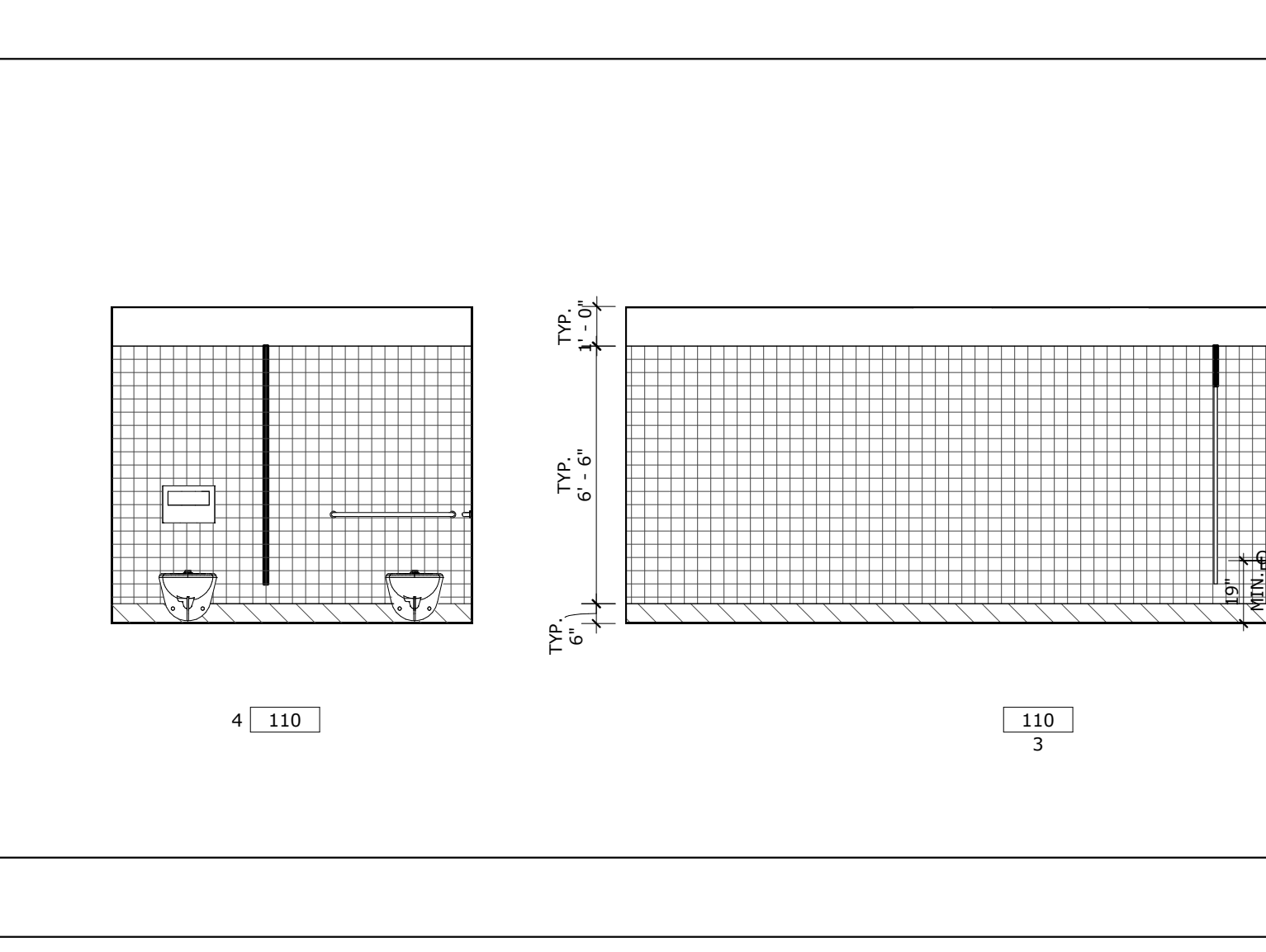
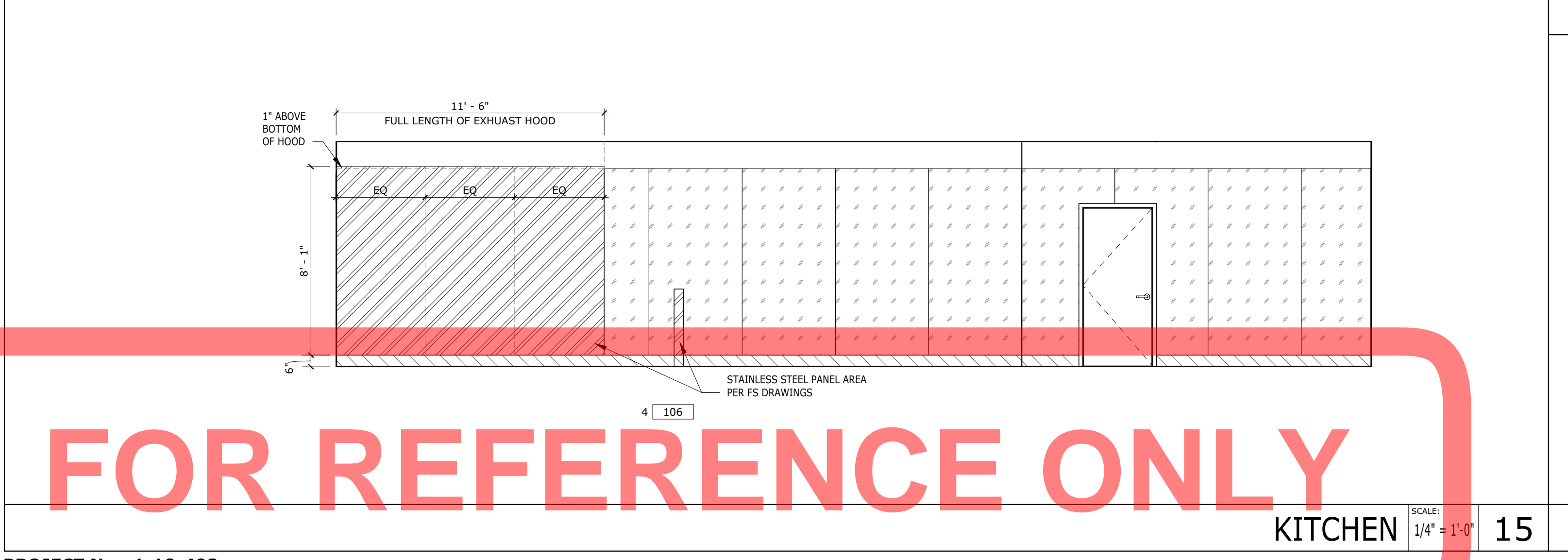
- ### GENERAL NOTES
- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 - ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EDGE OF SLAB, U.N.O.
 - PROVIDE STUD BRACING AND SUPPORT FOR ALL WALL MOUNTED FIXTURES AND ACCESSORIES. PER DETAIL [16](#) (AD-2.0)
 - FOR MOUNTING HEIGHTS AND ACCESSIBILITY INFORMATION, SEE DETAIL [5](#) (AD-1.0)
 - FOR CERAMIC TILE DETAILS, SEE DETAIL [23](#) (AD-2.0)
 - FOR CERAMIC TILE COLORS & PATTERNS, SEE SHEET [TD-1.0](#)
 - LIST OF (E) ITEMS TO REMAIN IS NOT INCLUSIVE OF ALL ITEMS TO REMAIN. ITEMS SPECIFICALLY NOTED AS (E) TO REMAIN WITH REFERENCE TO SPEC SECTION 02.00.00.1 THRU 02.00.00.99, AND ITEMS TO BE DEMOLISHED, SEE SECTION 20.41.00 FOR MORE INFORMATION.



- ### KEYNOTES
- 09 29 00 GYPSUM BOARD
 - 09 29 00.1 GYPSUM BOARD WALL OVER (E) WALL
 - 09 30 13 CERAMIC TILE
 - 09 30 13.1 CERAMIC TILE / (E) WOOD STUD W
 - 10 28 13.1 NEW GRAB BAR
 - 10 28 13.6 RECESSED SANITARY NAPKIN DISPOSAL
 - 10 28 13.8 SURFACE MOUNTED TOILET SEAT COVER DISPENSER
 - 10 28 13.9 SOAP DISPENSER
 - 10 28 13.10 RECESSED PAPER TOWEL DISPENSER
 - 10 28 13.11 SURFACE MOUNTED PAPER TOWEL DISPENSER
 - 10 28 13.15 GLASS MIRROR
 - 22 42 13.14 ACCESSIBLE WATER CLOSET, PER PLUMBING DRAWINGS
 - 22 42 13.17 ACCESSIBLE URINAL, PER PLUMBING DRAWINGS
 - 22 42 16.13 LAVATORY, PER PLUMBING DRAWINGS



- ### KEYNOTES - EXISTING
- NOTE: SPECIFIC DEMOLITION SCOPE IS INDICATED BY KEYNOTES 02.41.00.00 THRU 02.41.00.99. SEE NOTES, GENERAL NOTES, DETAILS, AND DOCUMENTS PREPARED BY OTHER DISCIPLINES FOR INFORMATION AND FULL SCOPE OF DEMOLITION.
- 02 00 08.7 (E) AIR VENT TO REMAIN, PROTECT IN PLACE



- ### WALL TYPES
- (E) EXTERIOR CMU WALL. PROTECT IN PLACE
 - (E) WOOD STUD WALL. PROTECT IN PLACE
 - (N) EXTERIOR CMU WALL, TO MATCH EXISTING CMU WALL
 - (N) INTERIOR WOOD STUD FULL HEIGHT WALL
- ### INTERIOR ELEVATIONS LEGEND
- | PAINT | FLUID-APPLIED FLOORING |
|--------|---------------------------------|
| P-1 | EPOXY-1 |
| P-2 | FIBERGLASS REINFORCED PANELING |
| | FRP-1 |
| TILING | STAINLESS STEEL PER FS DRAWINGS |
- NOTE: REFER TO COLORS, MATERIALS AND FINISHES LEGEND FOR ADDITIONAL INFORMATION [10-1.0](#)

FOR REFERENCE ONLY

 PROJECT No. 11-10-402

 7/5/2024 4:13:00 PM

 KITCHEN SCALE: 1/4" = 1'-0" 15

RUHNAUCLARKE.COM

 3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-6664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92003 (760) 438-3899

KITCHEN UPGRADES AT MADISON E.S.

 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660

 TWIN RIVERS UNIFIED SCHOOL DISTRICT

ENLARGED PLANS / INTERIOR ELEVATIONS

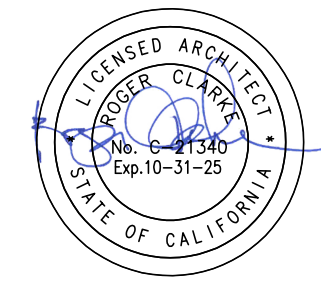
A-7.1

 1-10-402

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

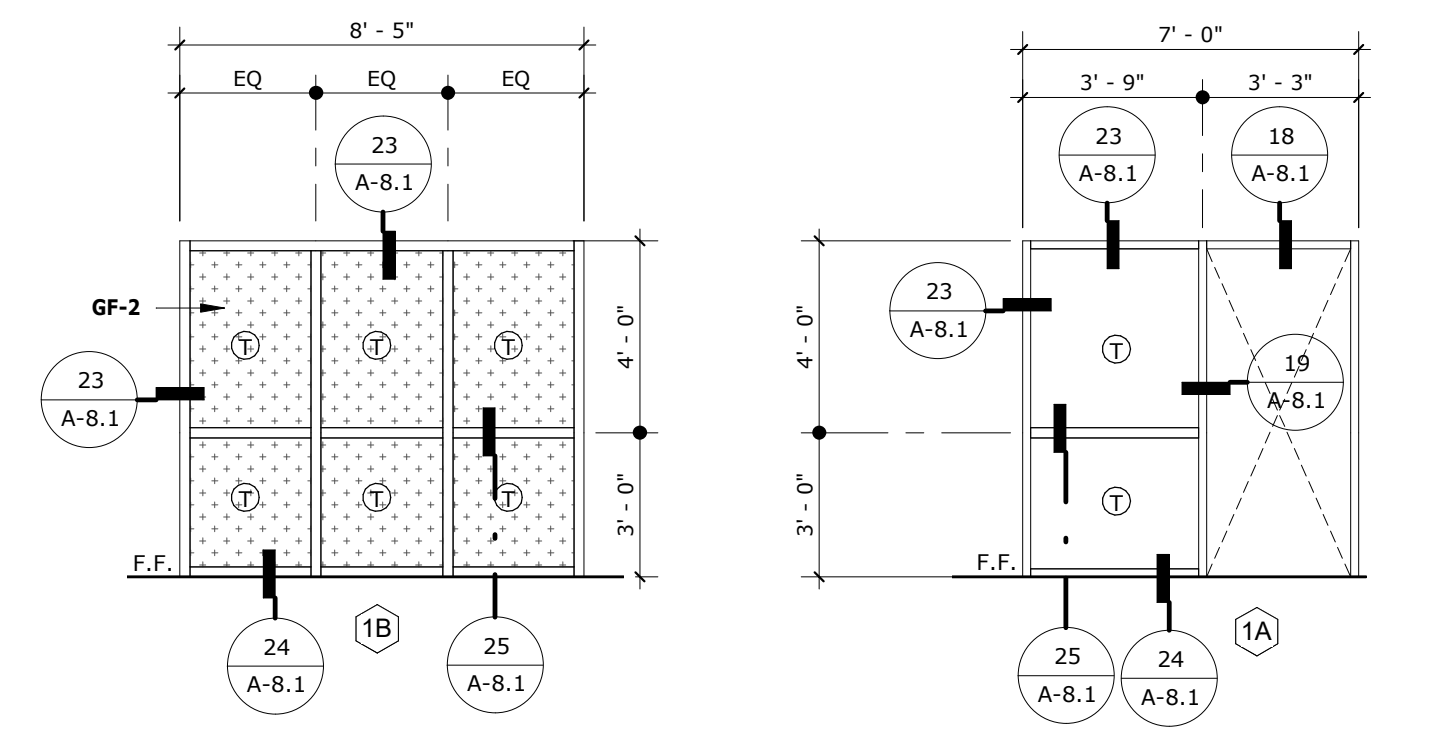
DOOR SCHEDULE

DOOR NO.	DOOR TYPE	EXTERIOR	DOOR			MATERIAL	FINISH	COLOR	FRAME			PANIC HARDWARE	HARDWARE GROUP	FIRE RATING	REMARKS	DOOR NO.
			WIDTH	HEIGHT	THICKNESS				HEAD	JAMB 1	JAMB 2					
100	A	Y	3'-0"	7'-0"	1 3/4"	HM	PSG	P-3	8/A-8.1	8/A-8.1	SAME AS JAMB 1	5/A-8.1	05		LOUVER	100
101	B	Y	3'-0"	7'-0"	1 3/4"	HM	PSG	P-3	8/A-8.1	8/A-8.1	SAME AS JAMB 1	5/A-8.1	07		LOUVER	101
102	A	Y	3'-0"	7'-0"	1 3/4"	HM	PSG	P-3	13/A-8.1	13/A-8.1	SAME AS JAMB 1	10/A-8.1	06		LOUVER	102
103	B	Y	3'-0"	6'-10"	1 3/4"	HM	PSG	P-3	15/A-8.1	15/A-8.1	SAME AS JAMB 1	10B/A-8.1	03		LOUVER	103
106A	B	Y	3'-0"	6'-10"	1 3/4"	HM	PSG	P-3	14/A-8.1	14/A-8.1	SAME AS JAMB 1	10A/A-8.1	08		LOUVER	106A
106B	B	Y	3'-0"	6'-10"	1 3/4"	HM	PSG	P-3	14/A-8.1	14/A-8.1	SAME AS JAMB 1	10A/A-8.1	08		LOUVER	106B
107	C	Y	3'-0"	6'-10"	1 3/4"	ALUM	FF	ALUM-1	15/A-8.1	15/A-8.1	SAME AS JAMB 1	10B/A-8.1	01		LOUVER	107
108	A	Y	3'-0"	7'-0"	1 3/4"	HM	PSG	P-3	15/A-8.1	15/A-8.1	SAME AS JAMB 1	10C/A-8.1	02		LOUVER	108
109	A	Y	3'-0"	7'-0"	1 3/4"	HM	PSG	P-3	13/A-8.1	13/A-8.1	SAME AS JAMB 1	10A/A-8.1	04		LOUVER	109
110	A	Y	3'-0"	7'-0"	1 3/4"	HM	PSG	P-3	13/A-8.1	13/A-8.1	SAME AS JAMB 1	10A/A-8.1	04		LOUVER	110

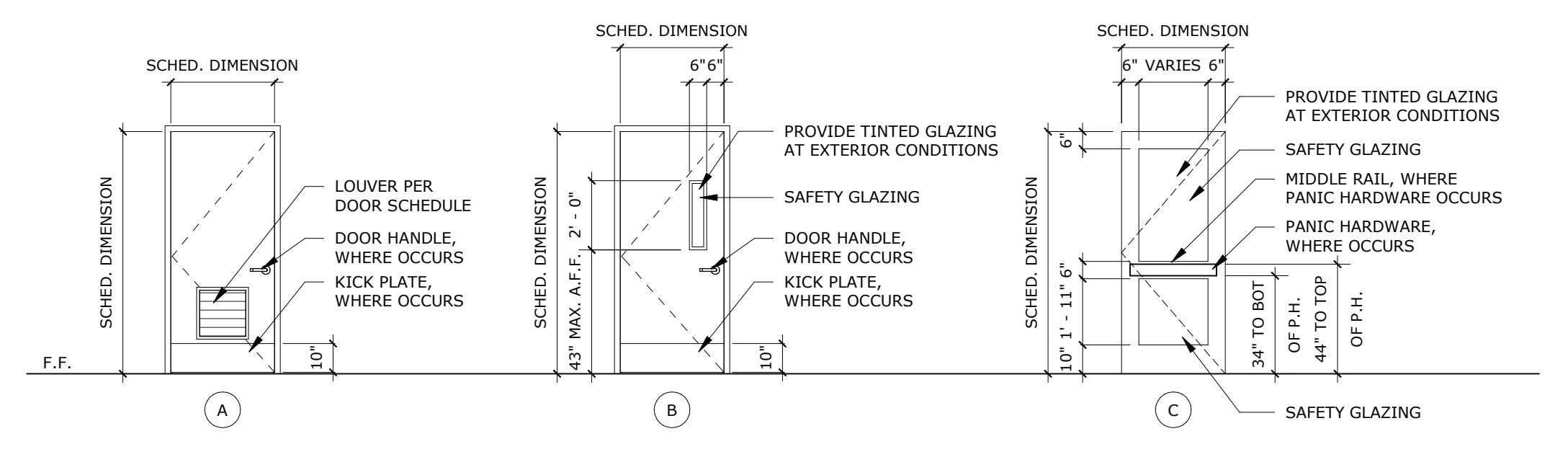


RUHNA CLARKE ARCHITECTS

WINDOW TYPES



DOOR TYPES

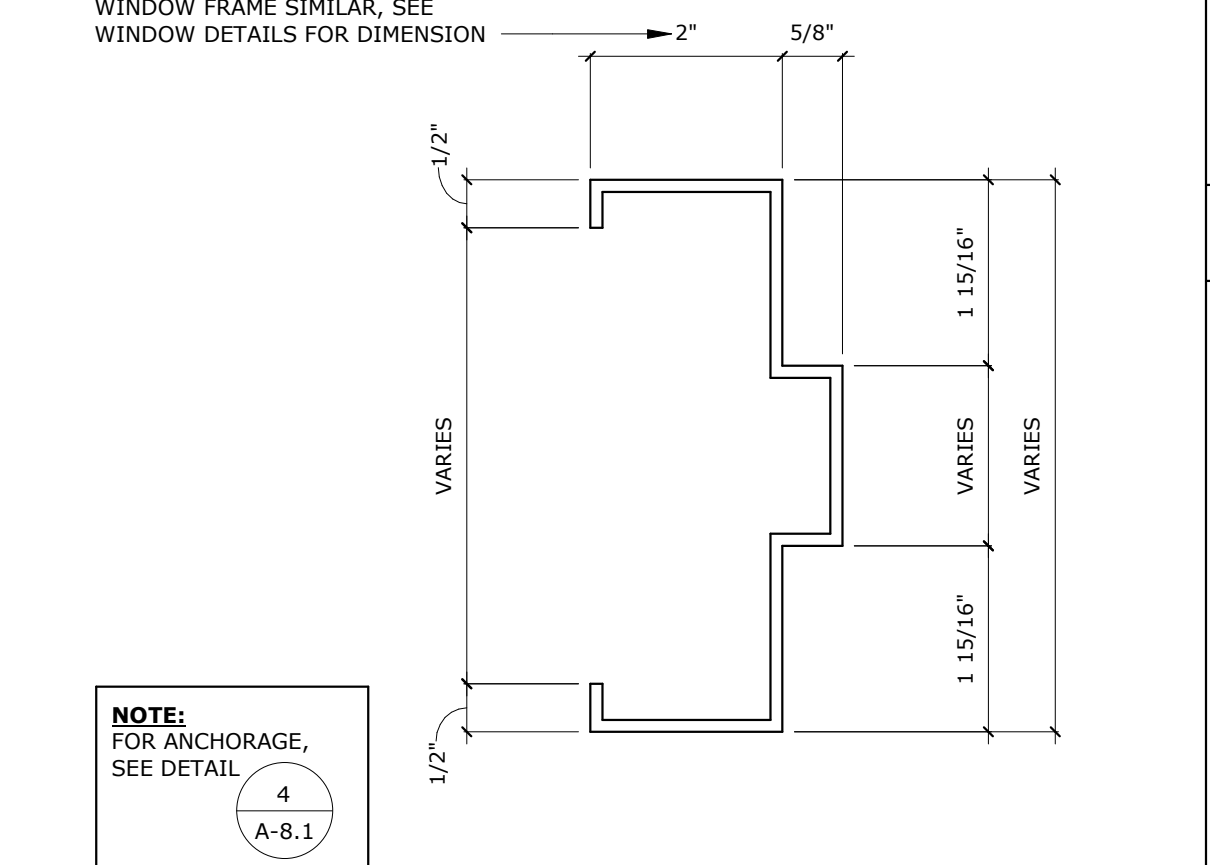
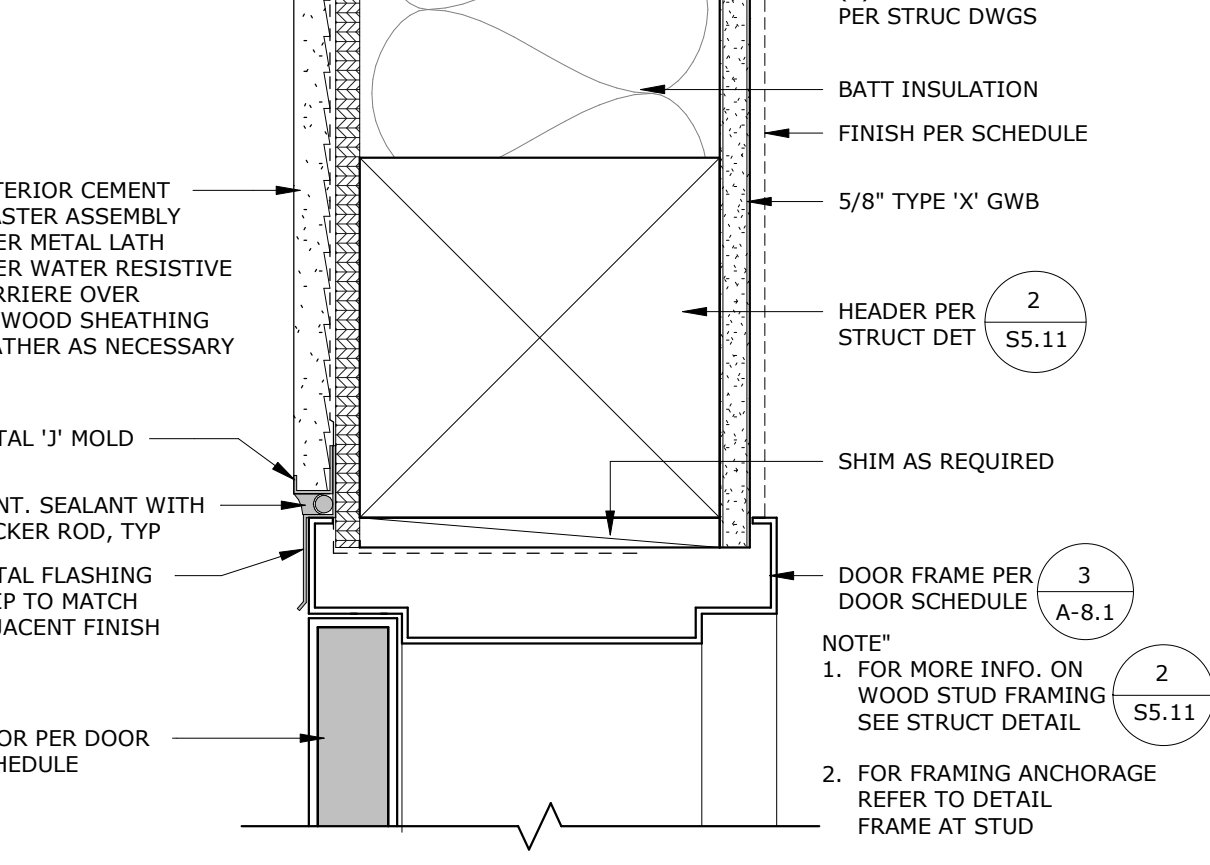
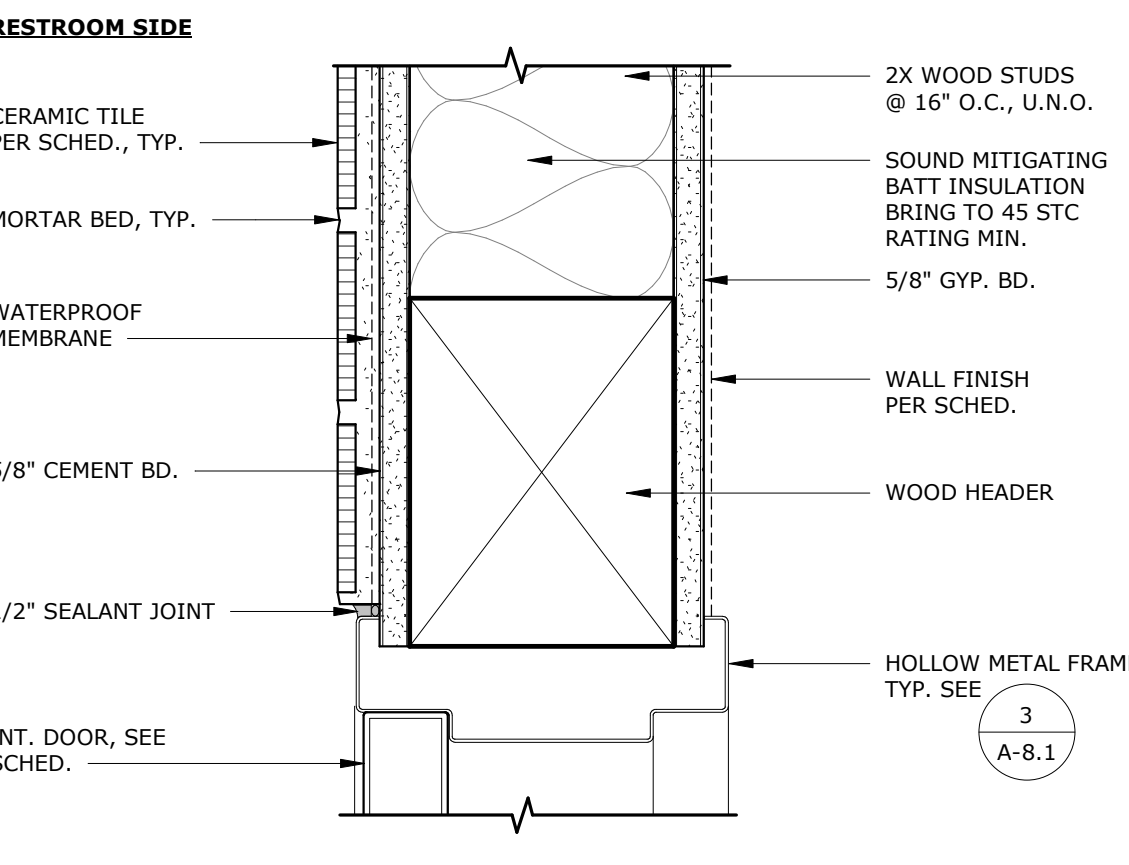
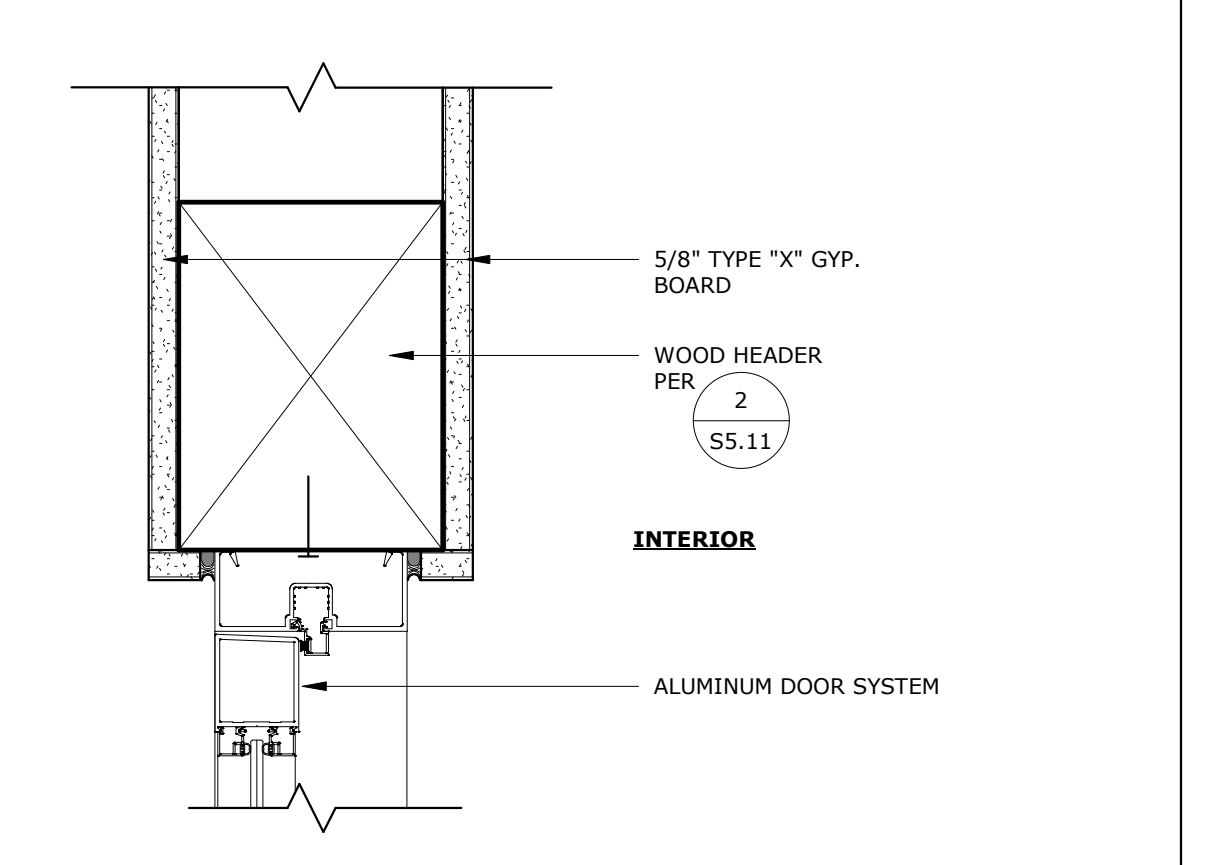
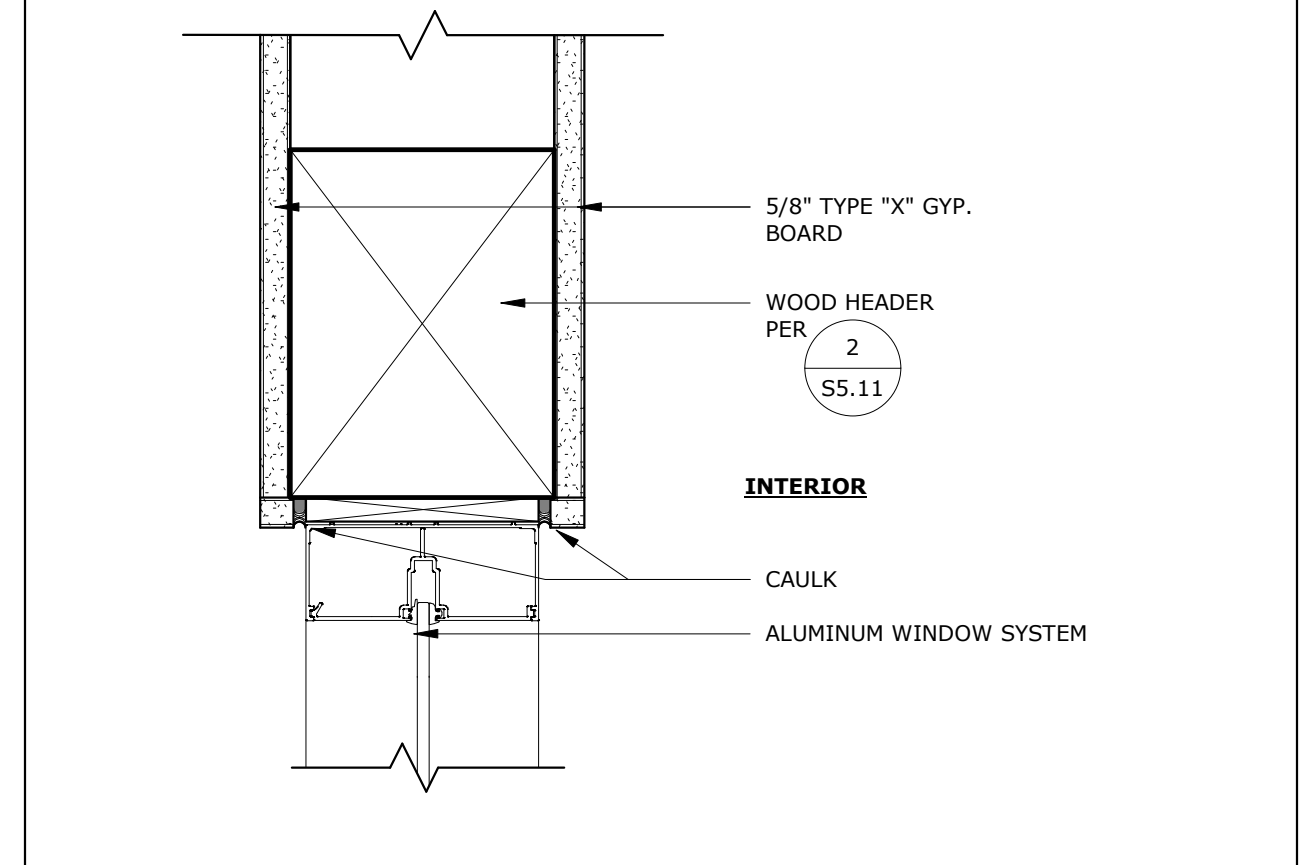


GENERAL NOTES

- SEE SHEET 3/A-8.1 FOR HOLLOW METAL FRAME DETAILS
- SET DOORS ADJACENT TO WALLS A MIN. OF 6" AWAY FROM WALL U.N.O.
- ALL GLAZING IN DOORS, AND WINDOWS BELOW 8'-0" A.F.F., ARE TEMPERED OR AS REQUIRED BY SECTION 2406 OF THE 2022 CBC
- PROVIDE DOOR STOPS AT ALL INTERIOR DOORS. PROVIDE BACKING PLATE PER DETAIL 16/AD-2.0
- ALL EXTERIOR DOORS ARE TO SWING OUT AND OPEN TO A MIN. OF 110 DEGREES FROM ITS CLOSED POSITION WHERE POSSIBLE. U.N.O. EXCEPTION: WHERE TACTILE SIGNAGE IS LOCATED ON HINGE SIDE OF DOOR, DOORS TO HAVE A 90 DEGREE SWING LIMIT
- ALL EXTERIOR DOORS SHALL HAVE A POLYSTYRENE CORE (THERMAL RESISTANCE)
- PROVIDE AIR SEALS/WEATHER STRIPPING AT ALL EXTERIOR DOORS TO CONDITIONED SPACES.
- ALL FLOOR MATERIAL CHANGE SHALL BE LOCATED UNDER THE CENTERLINE OF DOOR WHERE OCCURS, TYP.
- ALL EXTERIOR DOORS SHALL BE OPERABLE FROM THE INTERIOR WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. DEAD BOLTS ARE ONLY PERMITTED WHEN OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE.
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE MOUNTED 34"-48" A.F.F.
- ALL DOORS SHALL BE LOCKABLE FROM THE INTERIOR SIDE
- PER SECTION 1008.1.10 IN THE CBC 2022, DOOR SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE ARE REQUIRED TO HAVE PANIC HARDWARE OR FIRE EXIT HARDWARE.
- PER CBC 2022 11B-404.2.5, THRESHOLDS SHALL BE 1/2" HIGH MAX., SEE DETAIL 10/5/A-8.1
- THE BOTTOM 10" OF ALL DOORS EXTENDING THE FULL WIDTH SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CBC 2022 11B-404.2.10
- MAXIMUM EFFORT TO OPERATE ALL DOORS SHALL NOT EXCEED 5 LBS. FOR BOTH EXTERIOR AND INTERIOR DOORS. FIRE DOORS SHALL NOT EXCEED 15 LBS. CBC 2022 11B-404.2.9
- REFER TO SPECIFICATION SECTION 08 71 00 (VEKIF) FOR DOOR HARDWARE INFORMATION

ABBREVIATIONS

- ALUM ALUMINUM
- FF FACTORY FINISH
- HM HOLLOW METAL
- HC HOLLOW CONE
- GALV GALVANIZED
- STL STEEL
- PSG PAINT: SEMI-GLOSS



INT. ALUM WINDOW HEAD/JAMB SCALE: 3" = 1'-0" 23

INT. ALUM DOOR HEAD/JAMB SCALE: 3" = 1'-0" 18

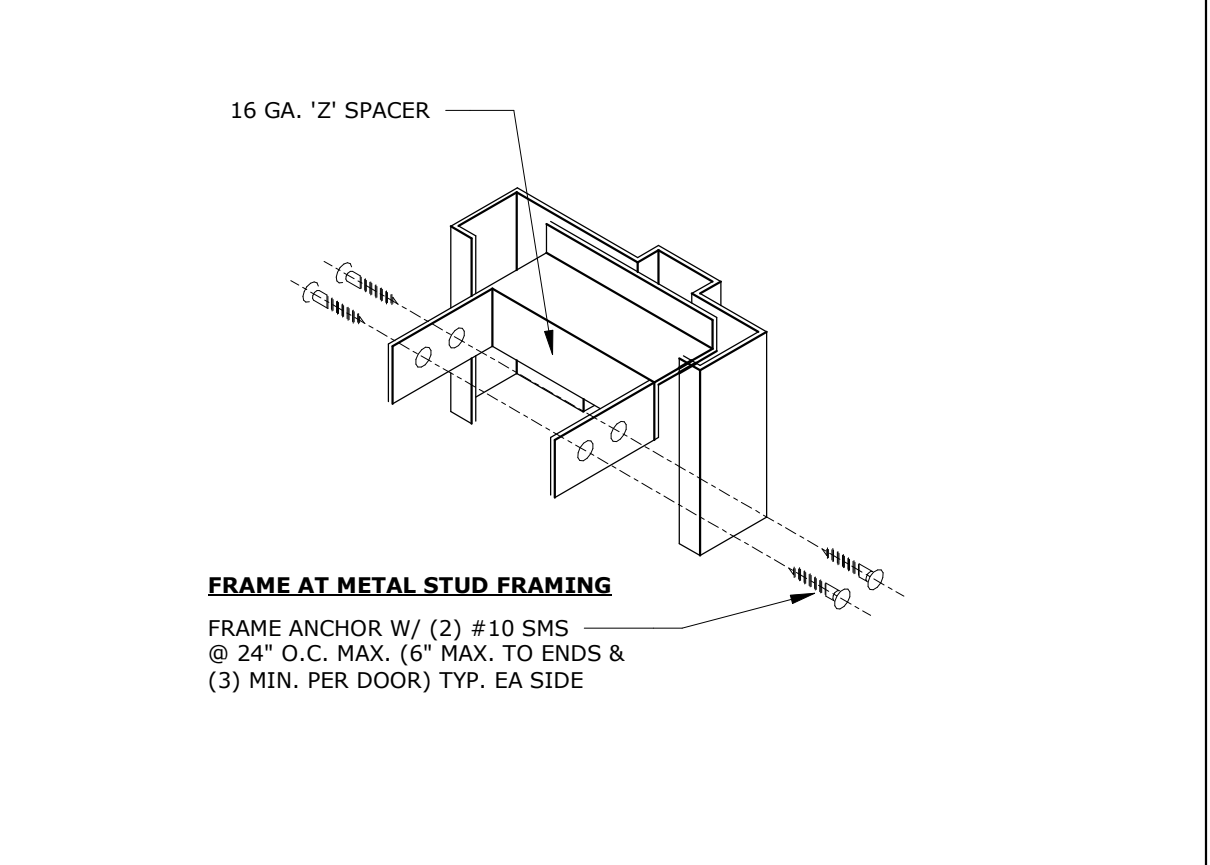
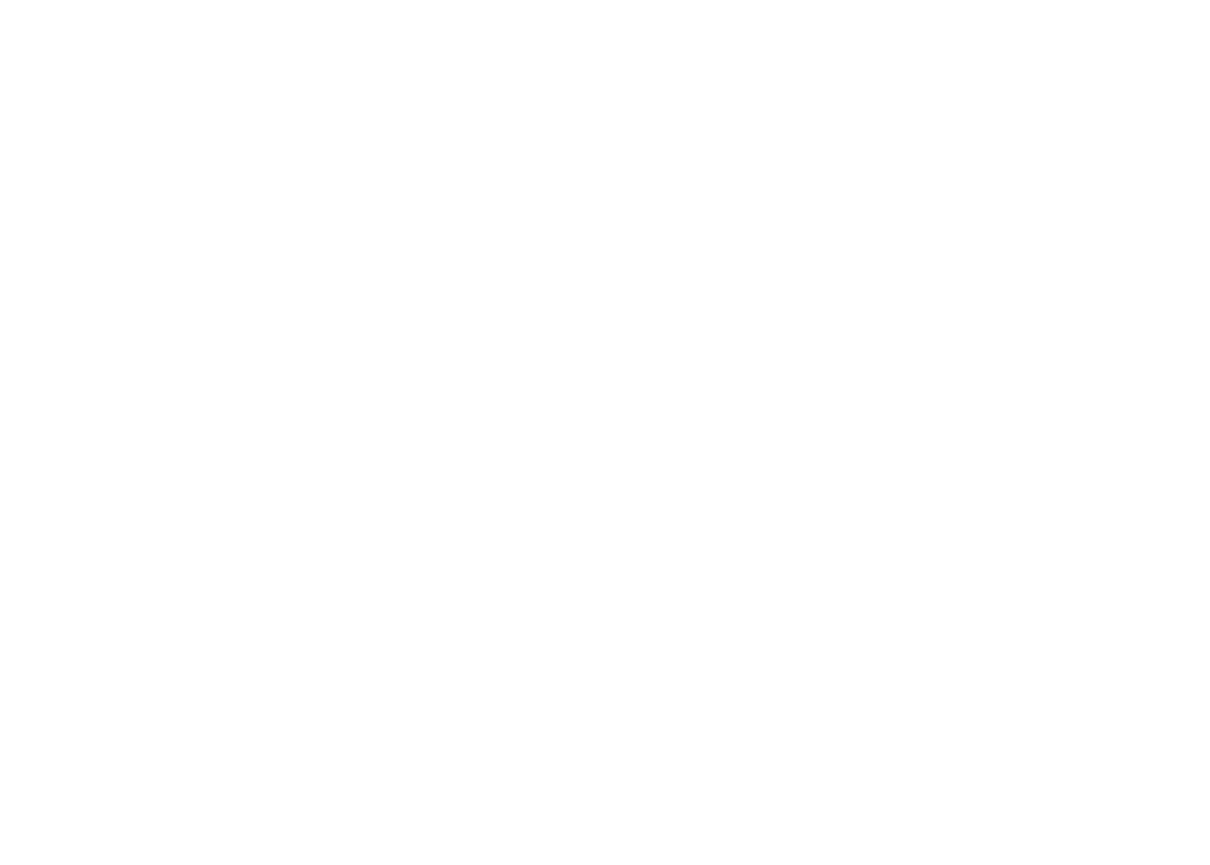
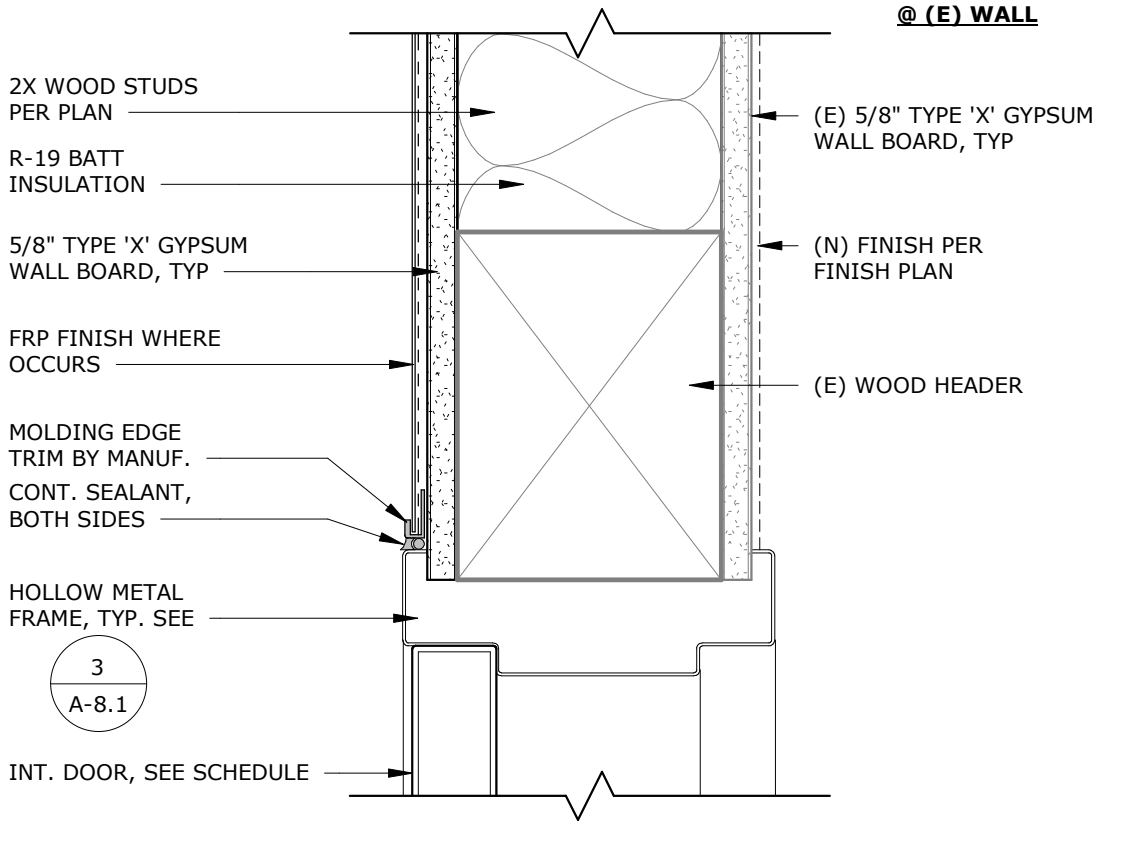
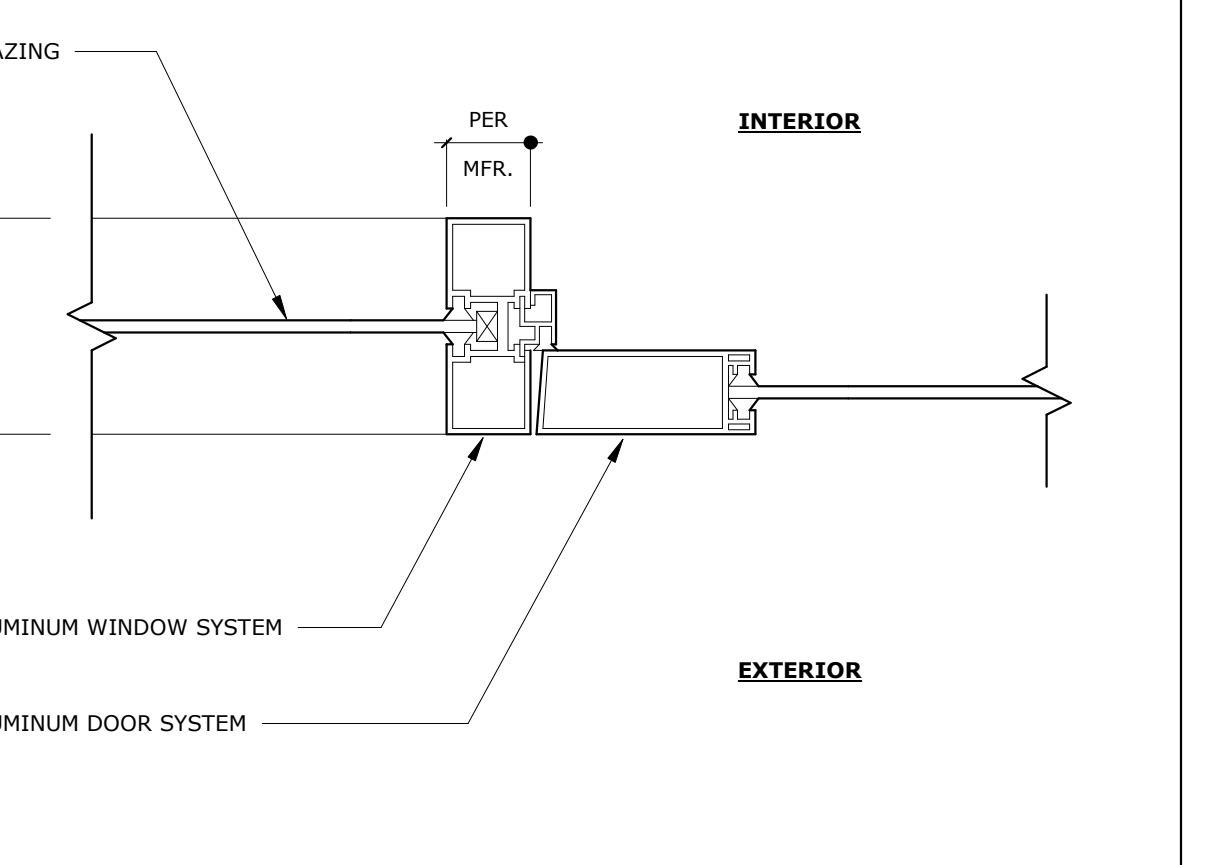
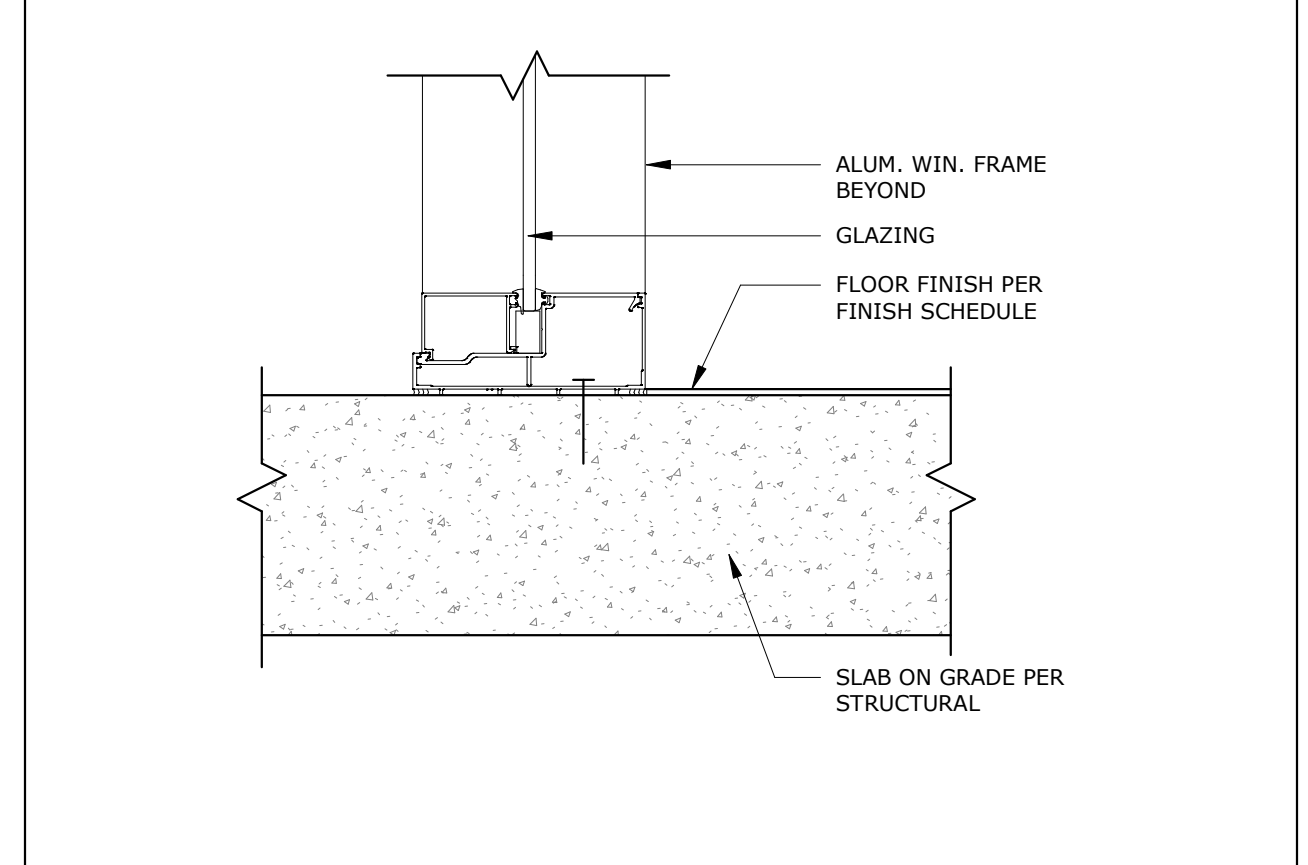
INT. H.M. DR. @ R.R. HEAD SCALE: 3" = 1'-0" 13

EXT. H.M. DR @ PLSTR SCALE: 3" = 1'-0" 8

TYP. H.M. FRAME SCALE: 6" = 1'-0" 3

GLAZING NOTES

- GLAZING TYPES**
- TYPE GL-1: SINGLE VISION GLAZING
 - TYPE GL-2: SEALED INSULATED GLASS UNIT
 - TEMPERED GLAZING
- GENERAL GLAZING NOTES**
- VERIFY ALL DIMENSIONS AND ROUGH OPENINGS IN FIELD PRIOR TO FABRICATION.
 - ALL EXTERIOR GLAZING TO RECEIVE TYPE (2) GLAZING, U.N.O.
 - GLAZING TO BE TEMPERED, (T) SHALL INCLUDE:
 - ALL GLAZING IN DOORS
 - ALL DOOR Sidelights WITHIN 24" OF DOOR FRAME
 - ALL DOOR TRANSOMS
 - ALL WINDOW GLAZING WITHIN A DISTANCE OF 36" HORIZONTALLY FROM A WALKING PATH AND UP TO 60" FROM GRADE
 - ALL GLAZING WITHIN THE SWING OF A DOOR
 - ALL INTERIOR GLAZING TO RECEIVE TYPE (1) GLAZING, U.N.O.
 - REFER TO SPECIFICATION SECTION 08 80 00 FOR ADDITIONAL INFORMATION.



INT. ALUM WINDOW SILL SCALE: 3" = 1'-0" 24

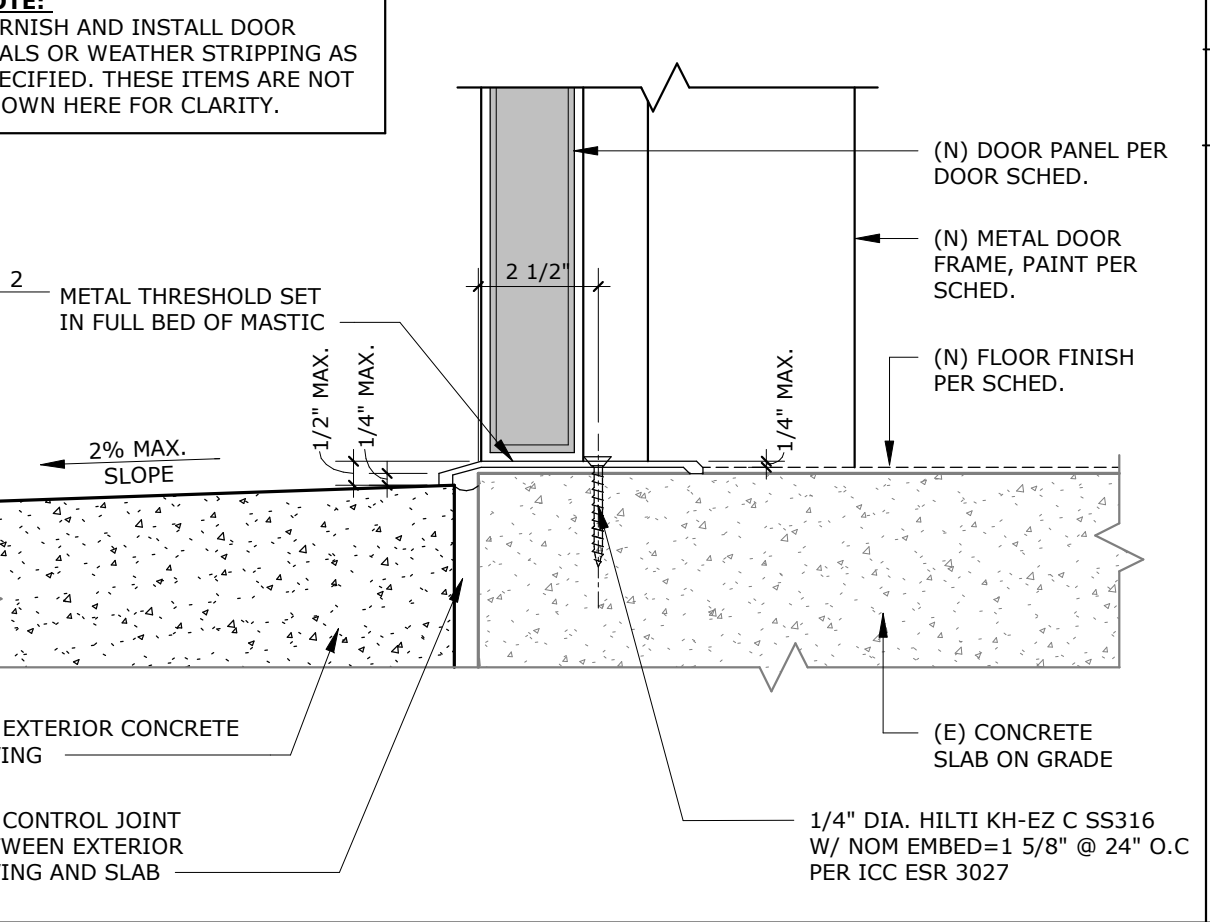
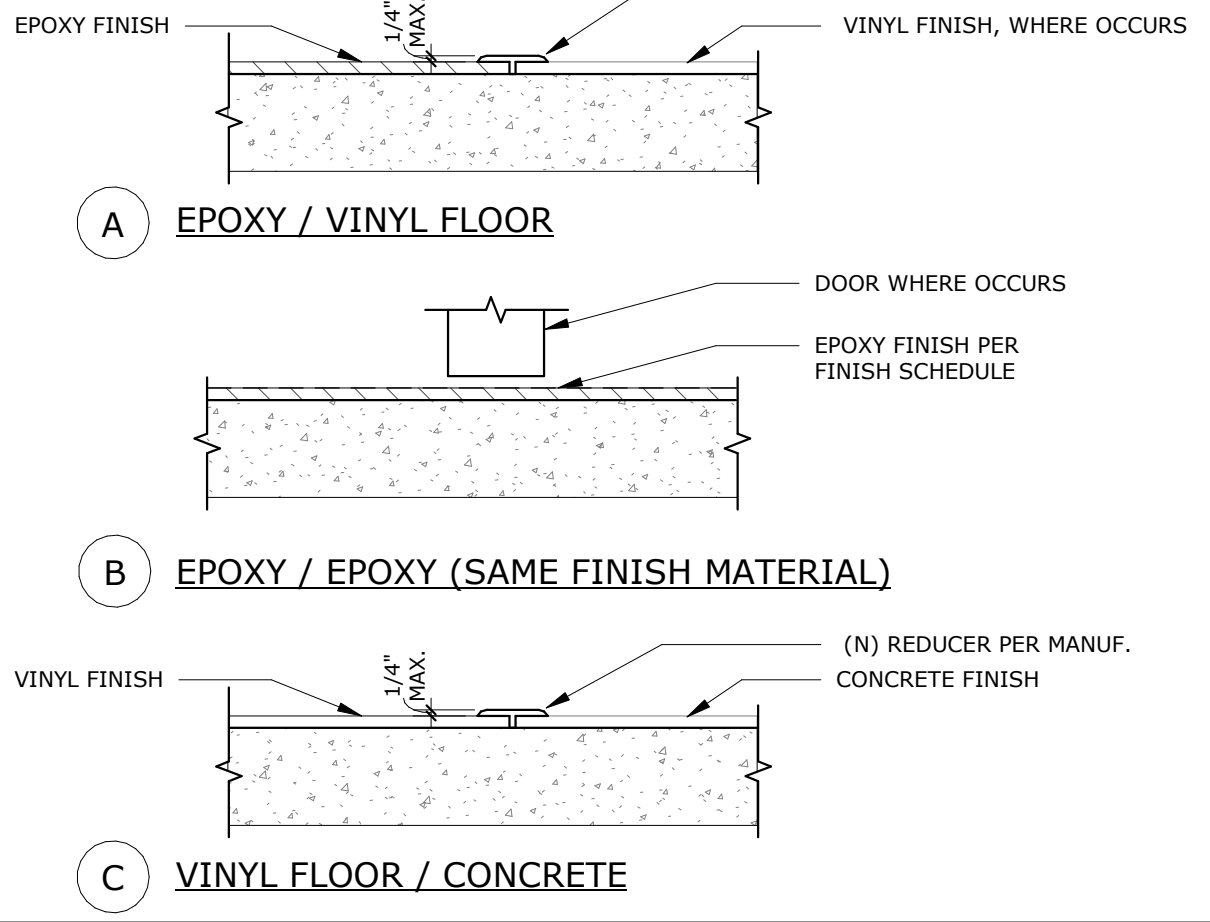
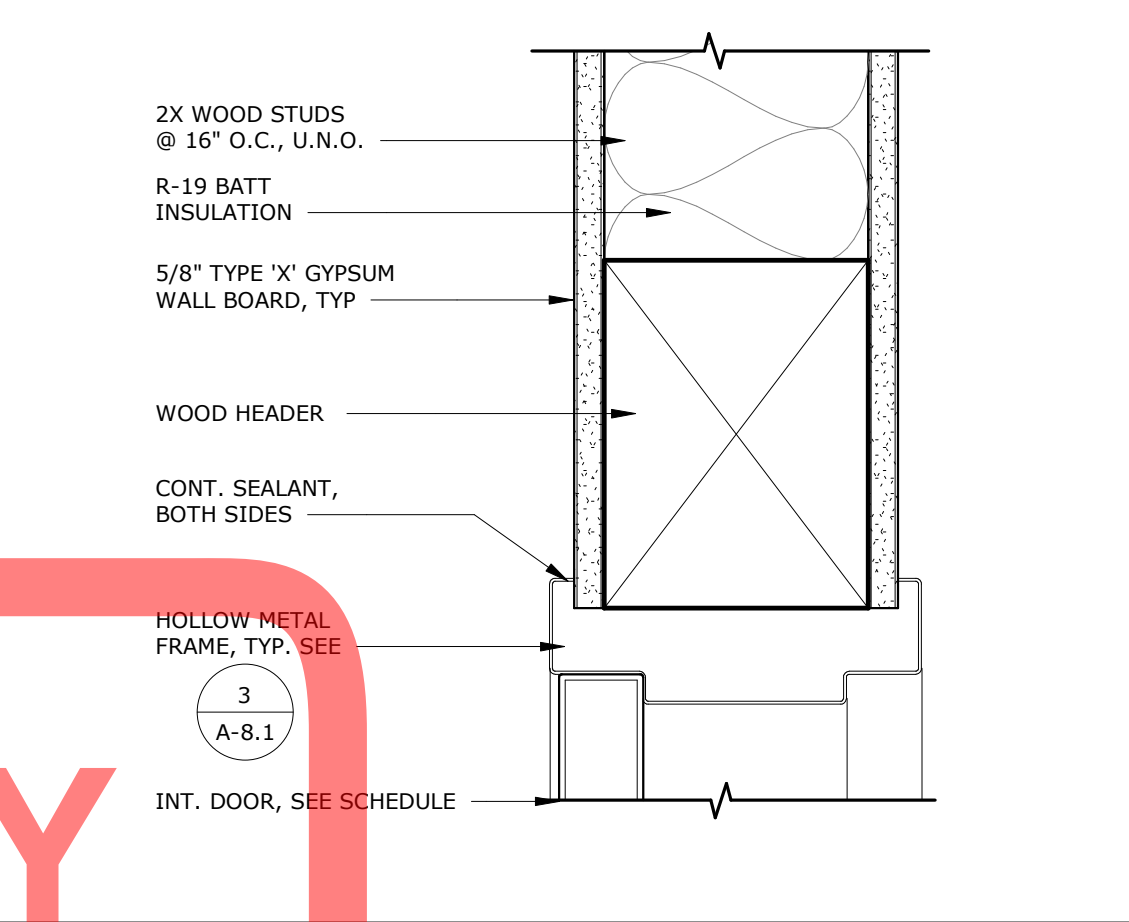
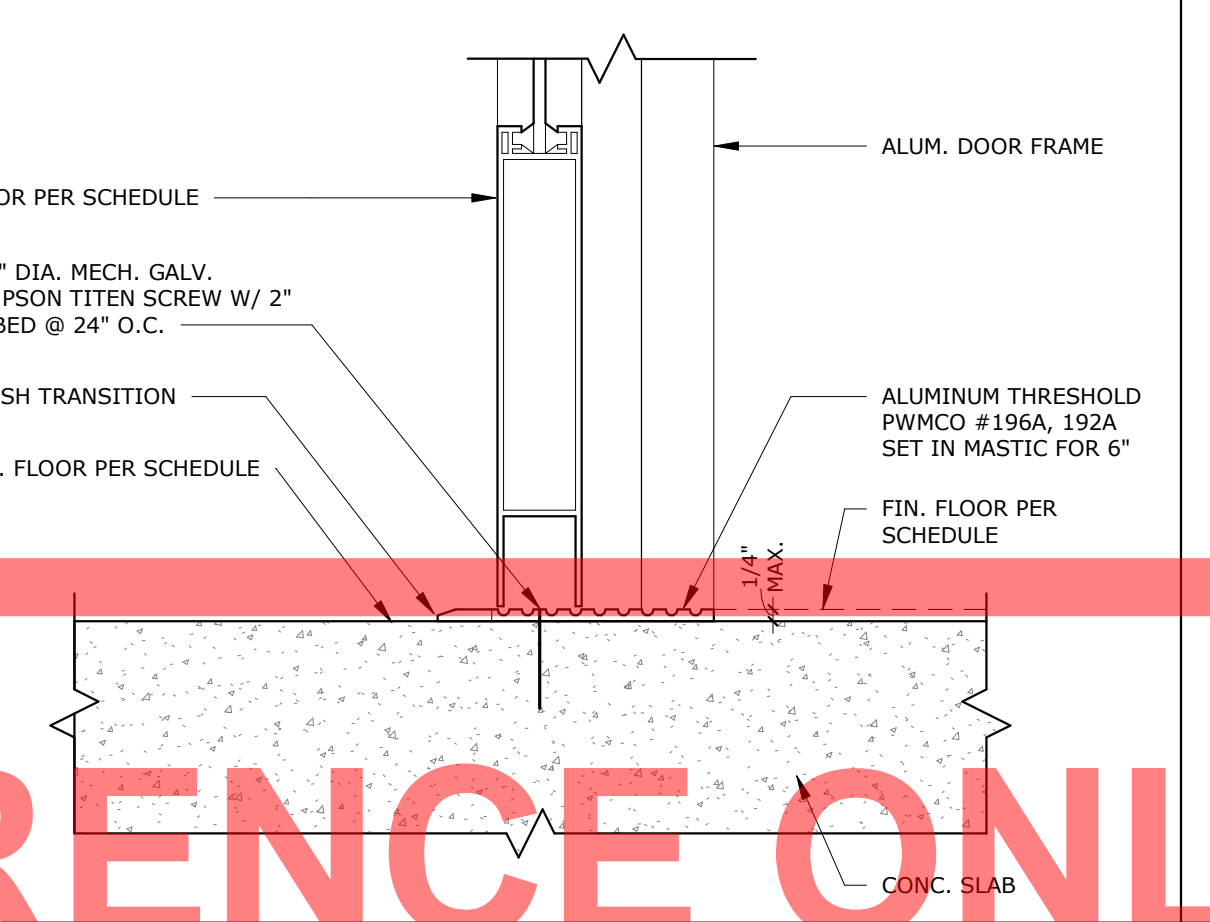
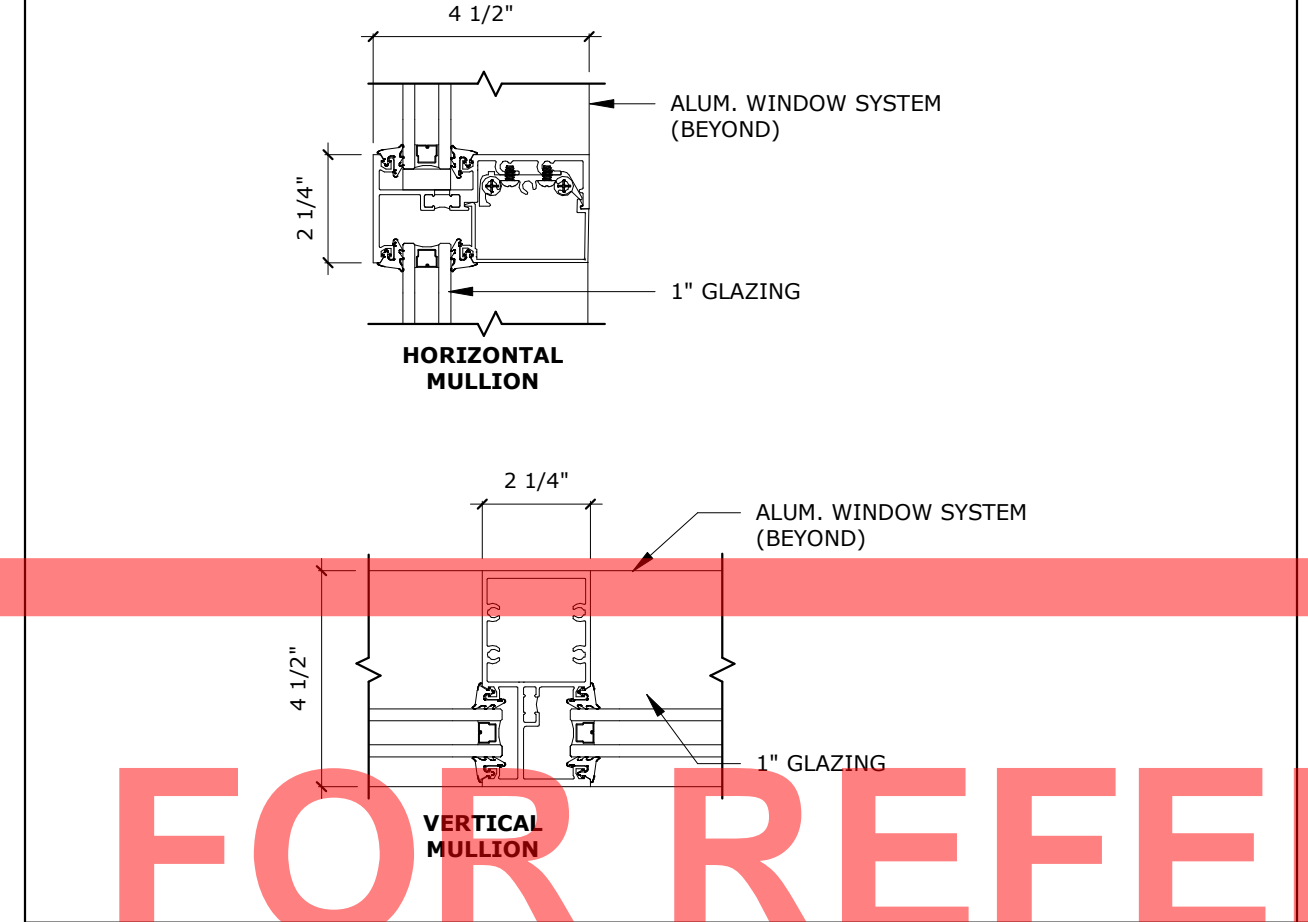
ALUM. DOOR JAMB SCALE: 3" = 1'-0" 19

INT. H.M. DR. HEAD/JAMB SCALE: 3" = 1'-0" 14

TYP. H.M. FRAME ANCHOR SCALE: 12" = 1'-0" 4

INTERIOR ELEVATIONS LEGEND

- GLAZING FILM**
- GF-2
- NOTE:** REFER TO COLORS, MATERIALS AND FINISHES LEGEND FOR ADDITIONAL INFORMATION 10-1.0



STANDARD MULLION SCALE: 3" = 1'-0" 25

INT. ALUM DOOR THRESHOLD SCALE: 3" = 1'-0" 20

INT. H.M. DR. HEAD SCALE: 3" = 1'-0" 15

TYP. FLOOR TRANSITIONS SCALE: 3" = 1'-0" 10

EXT. DR. THRSHLD. SCALE: 3" = 1'-0" 5

PROJECT No. 11-10-402
7/5/2024 4:13:02 PM

DATE	BY	CHECKED BY
DELTA #	DATE	ADD
DELTA #	DATE	ADD
DELTA #	DATE	ADD

RUHNAUCLARKE.COM

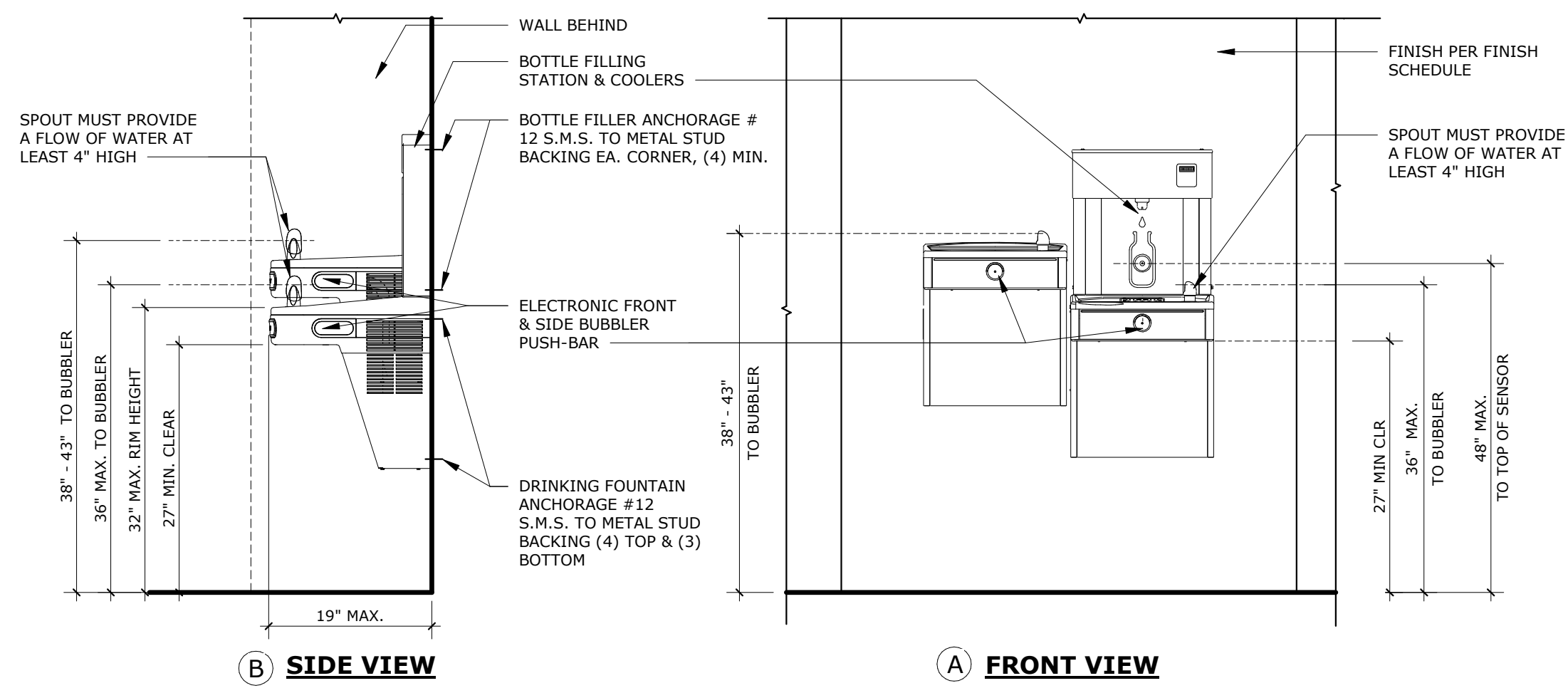
KITCHEN UPGRADES AT MADISON E.S.

DOOR & WINDOW SCHEDULE

A-8.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

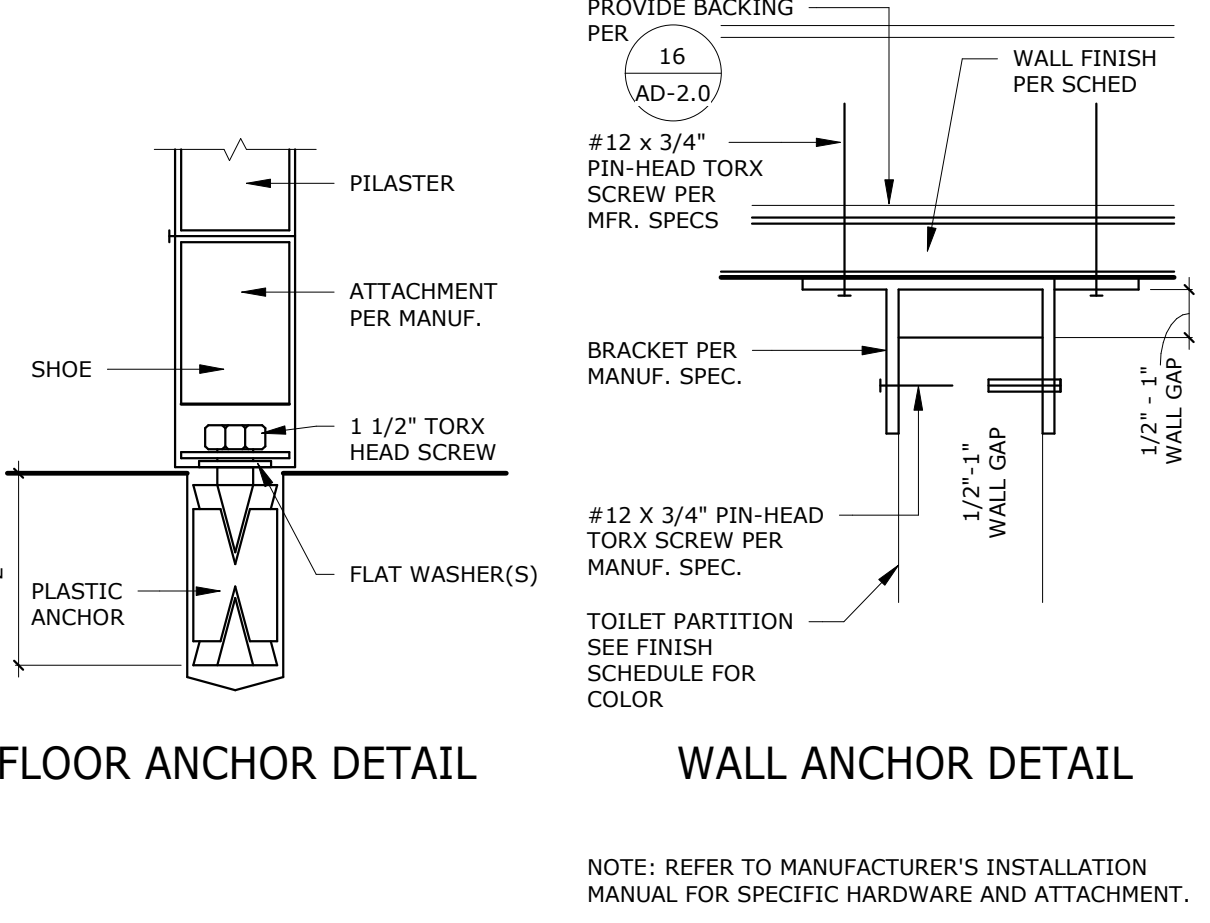




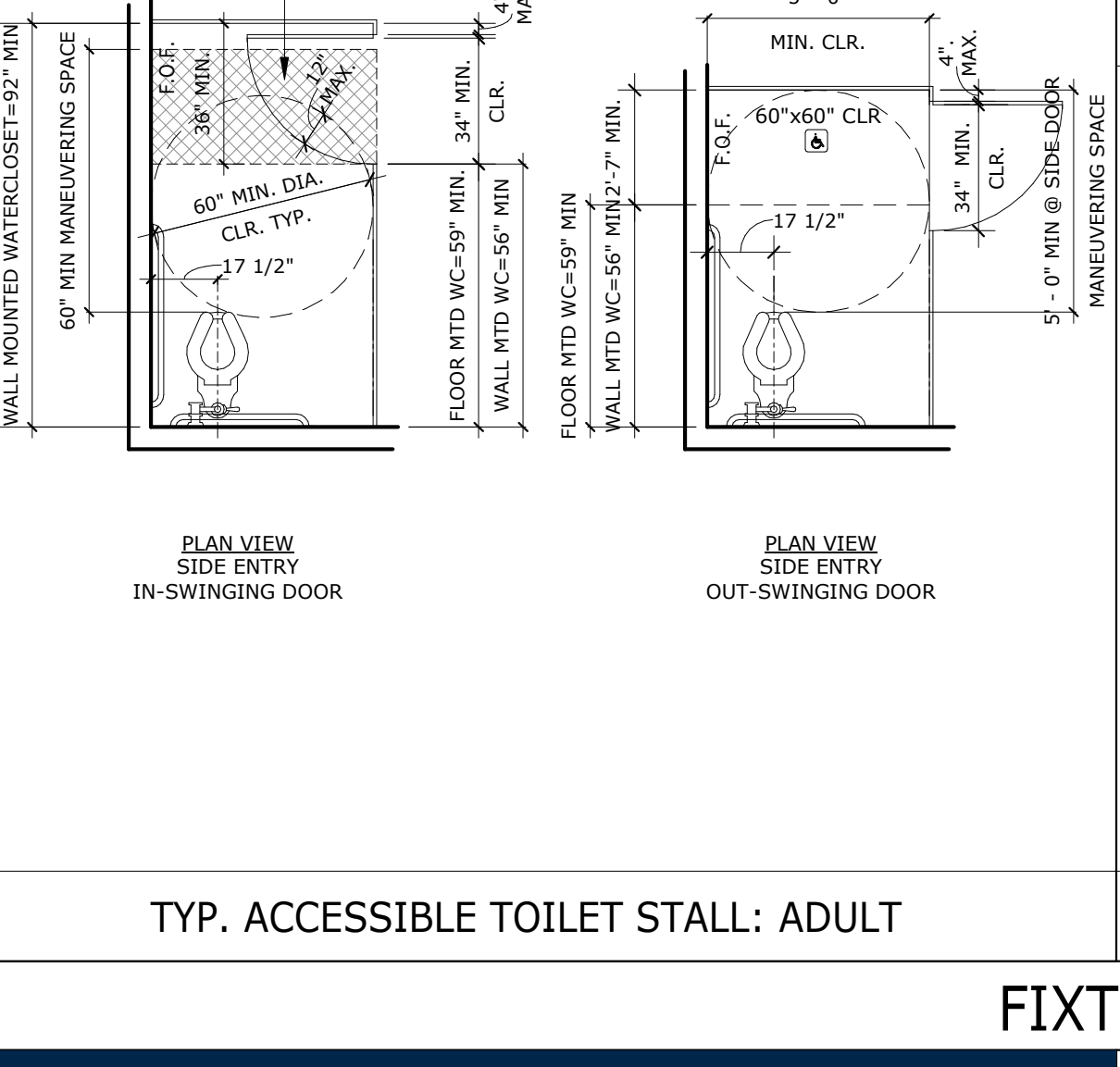
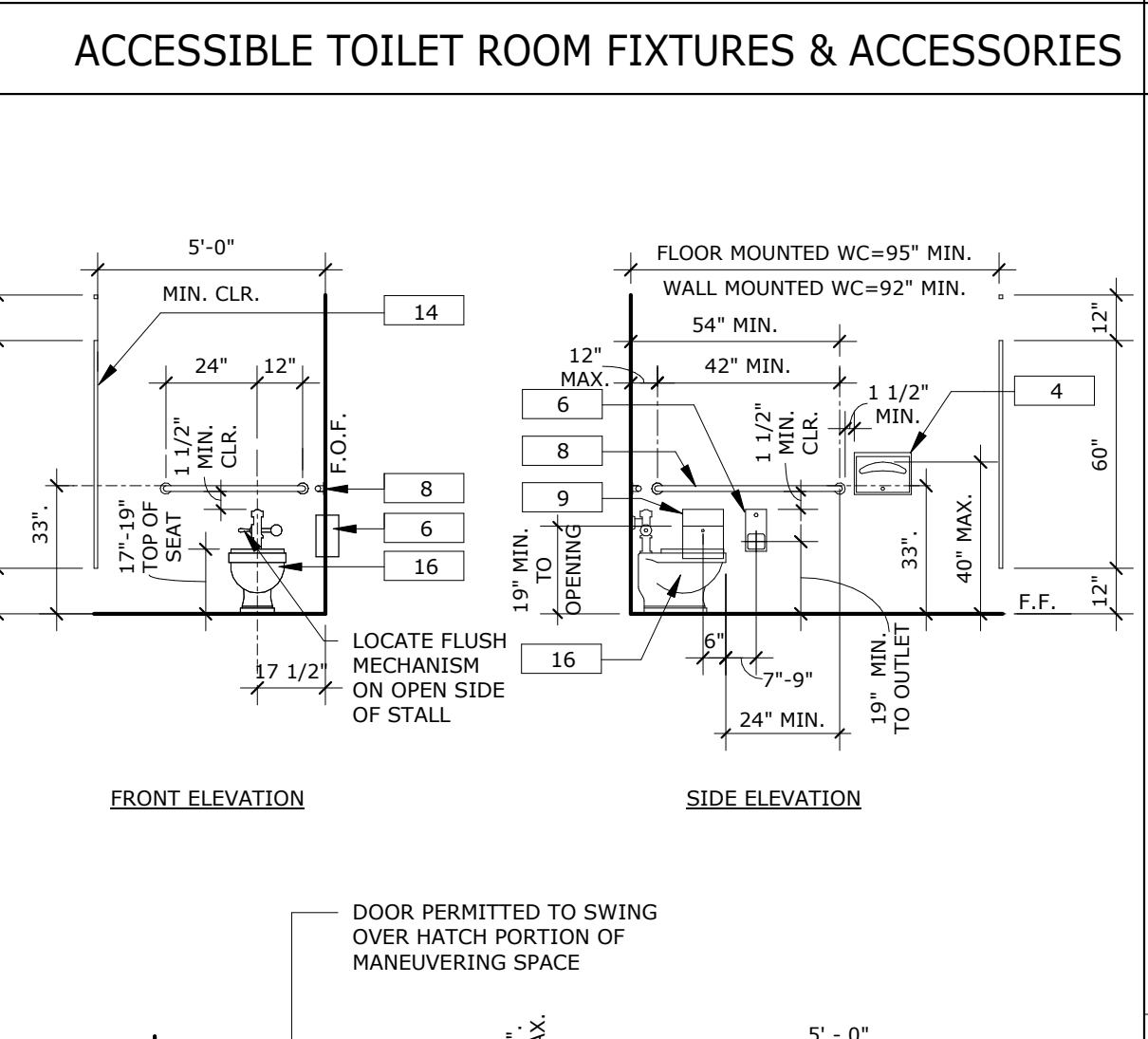
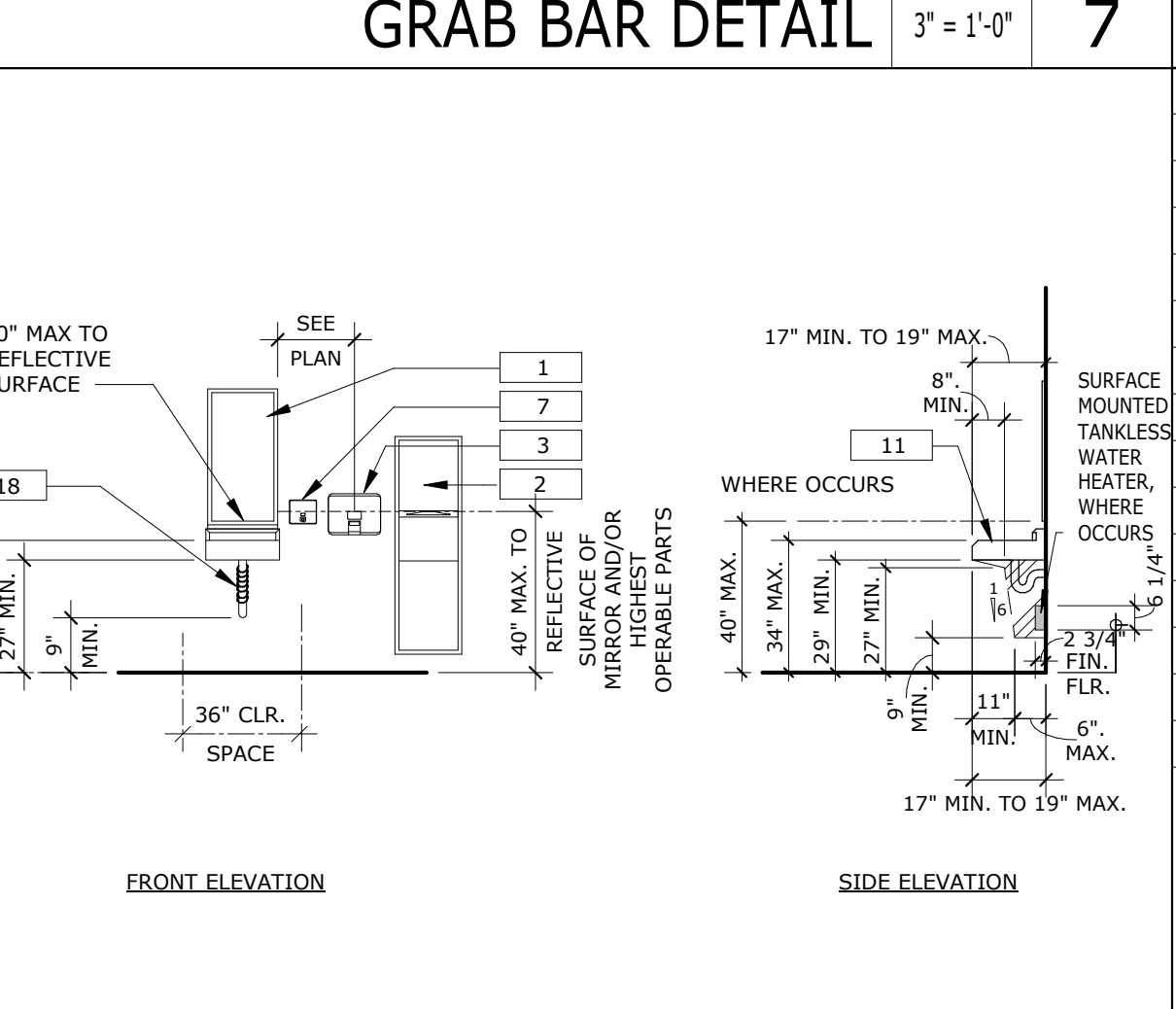
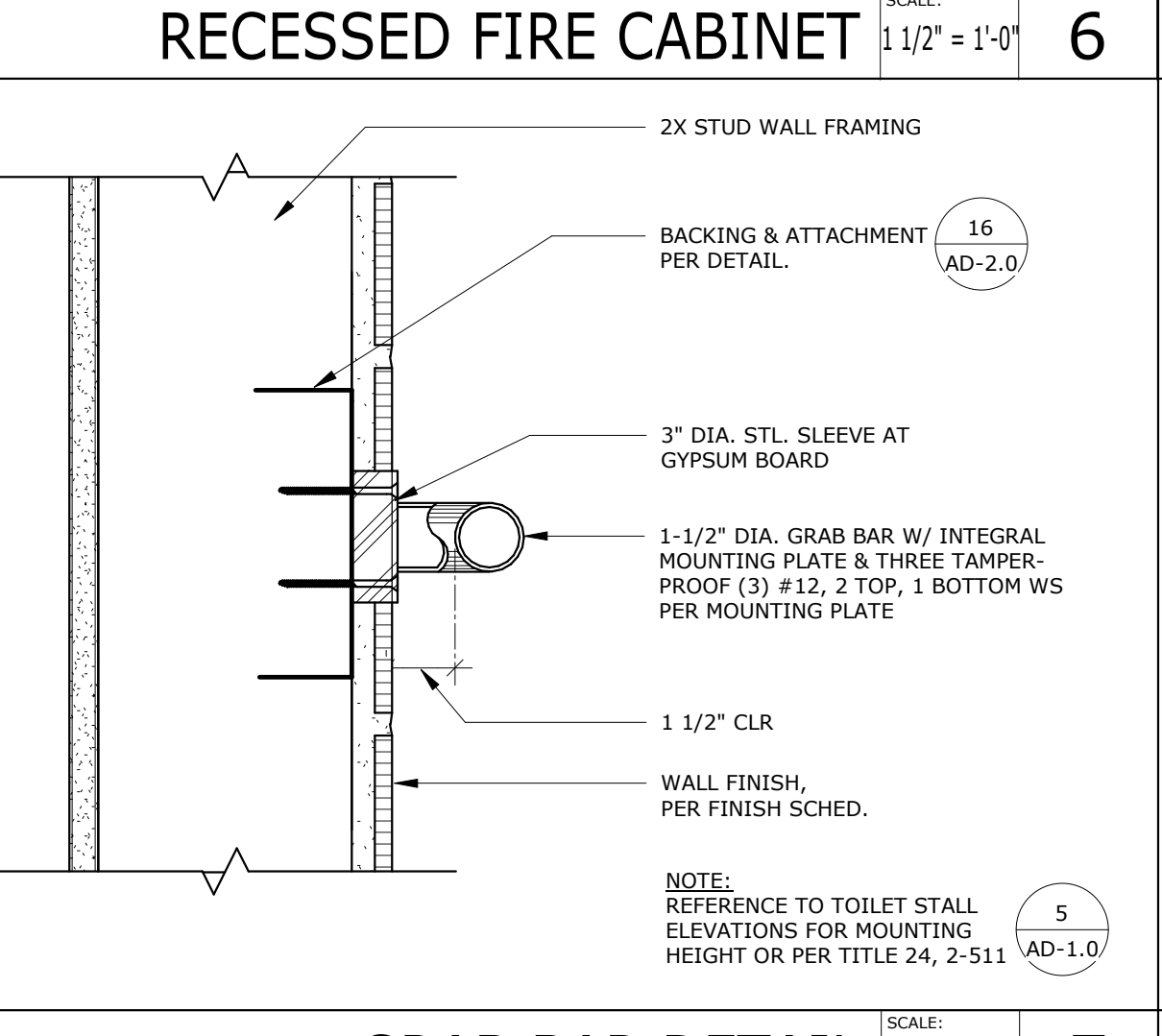
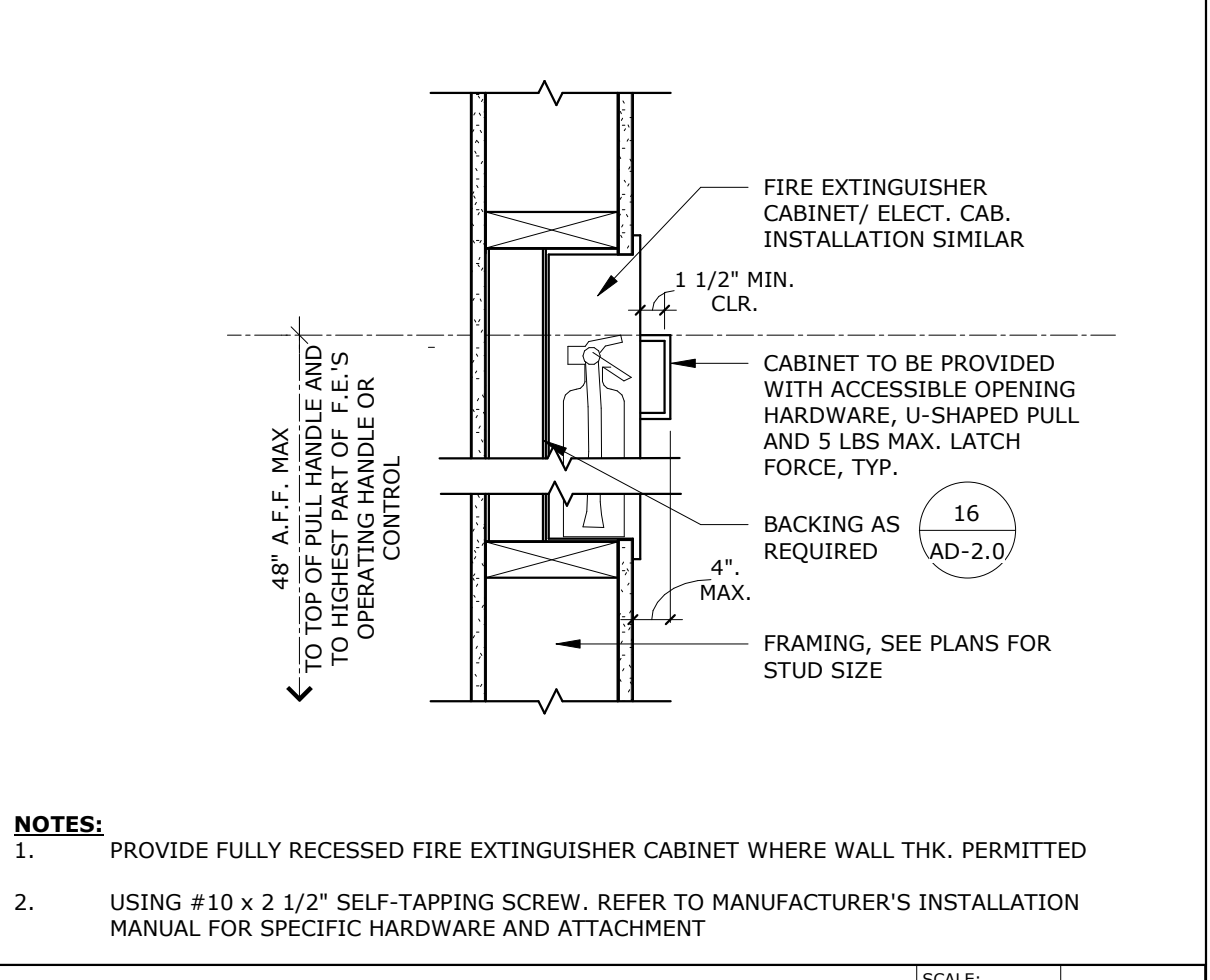
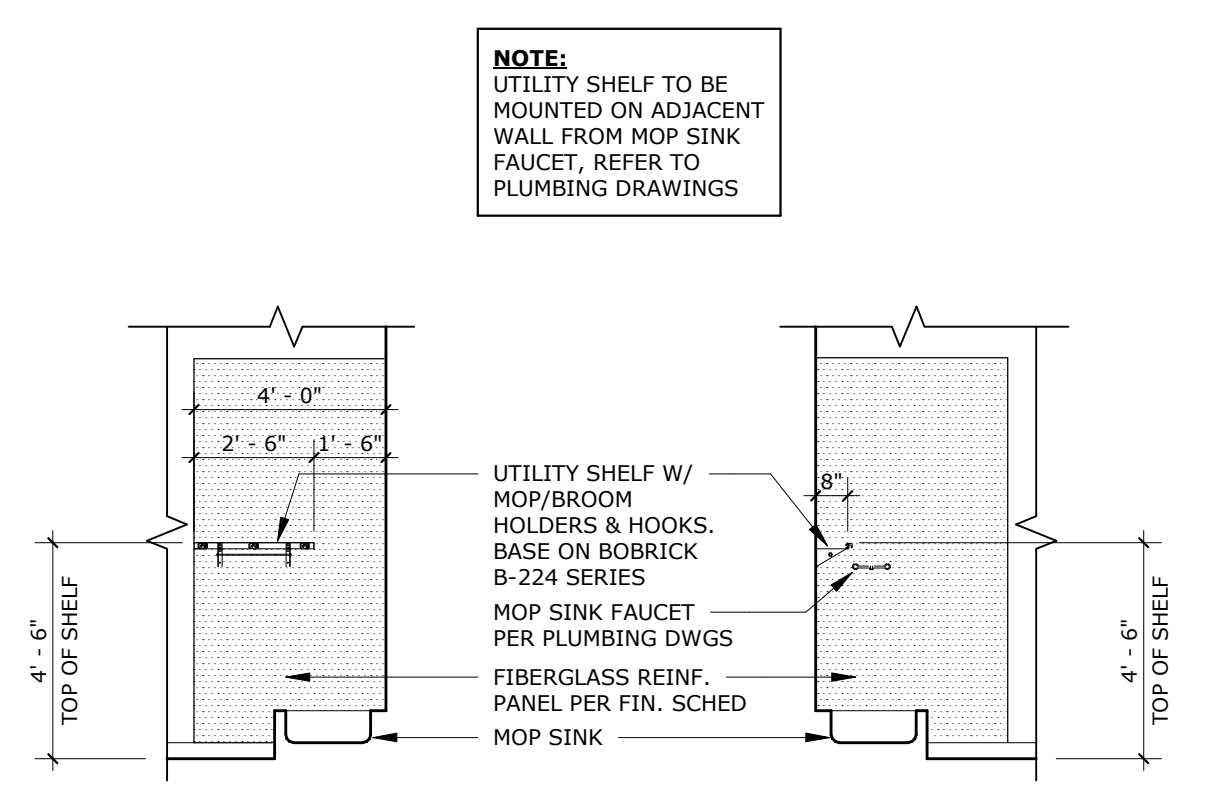
GENERAL NOTE:

- ADA HI-LOW DRINKING FOUNTAIN BOTTLE FILLER WITH CHLLER PER PLAN. SURFACE MOUNT FRONT APPROACH PER MANUFACTURE ATTACHMENT DETAILS AND SPECIFICATIONS.
- FORCE REQUIRED TO ACTIVATE CONTROLS CAN NOT EXCEED 5 lbs.
- THE SPOUT MUST PROVIDE A FLOW OF WATER OF AT LEAST 4" HIGH.
- REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- BOTTLE FILLER TO HAVE LEVEL SHELF FOR THE BOTTLE TO ALLOW ONE-HAND OPERATION.
- IF THE SPOUT IS LOCATED LESS THAN 3 INCHES FROM THE FRONT OF THE UNIT, THE ANGLE OF THE STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE LOCATED BETWEEN 3 INCHES AND 5 INCHES FROM THE FRONT OF THE UNIT, THE ANGLE OF THE STREAM SHALL BE 15 DEGREES MAXIMUM RELATIVE TO THE FRONT FACE (ORIENTATION OF WALL SURFACE).

HI-LOW DRINKING FOUNTAIN SCALE: 3/4" = 1'-0" **12**



TOILET PARTITION ANCHORAGE SCALE: 6" = 1'-0" **13**



REGISTERED ARCHITECT
STATE OF CALIFORNIA
No. 10000
Exp. 10-31-25

AGENCY APPROVAL
FIG. NO. 00000000000000000000

RUHNAU CLARKE ARCHITECTS

ACCESSORIES

- NEW 18" X 30" TEMPERED GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME AND SHELF.
- NEW RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE - STAINLESS STEEL WITH SATIN FINISH
- NEW RECESSED AUTOMATIC HAND DRYER.
- NEW SURFACE MOUNTED TOILET SEAT COVER DISPENSER - STAINLESS STEEL WITH SATIN FINISH.
- NEW SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER - STAINLESS STEEL W/ SATIN FINISH
- NEW RECESSED MULTI-ROLL TOILET TISSUE DISPENSER - STAINLESS STEEL WITH SATIN FINISH (3" MAX. PROJECTION FROM FINISH FACE OF WALL)
- NEW SURFACE MOUNTED SOAP DISPENSER FOR LIQUID SOAP - STAINLESS STEEL WITH SATIN FINISH, INSTALLED AT 40" A.F.F. (OVER OBSTRUCTION)
- NEW GRAB BARS (SIDE = 48" L. X 1-1/2" DIA., REAR = 36" L. X 1-1/2" DIA.), STAINLESS STEEL. REAR & SIDE GRAB BAR MUST BE AT THE SAME HEIGHT. FOR ANCHORAGE SEE DETAIL AD-1.0
- NEW SURFACE MOUNTED FEMININE NAPKIN DISPOSAL (WOMENS ONLY) - STAINLESS STEEL WITH BOBRICK B-262 EQUIPMENT
- NEW ACCESSIBLE LAVATORY.
- NEW NON-ACCESSIBLE WATER CLOSET.
- NEW NON-ACCESSIBLE URINAL.
- NEW TOILET PARTITION
- NEW URINAL SCREEN
- NEW ACCESSIBLE WATER CLOSET.
- NEW ACCESSIBLE URINAL.
- INSULATE DRAIN AND ALL WATER PIPING TO PREVENT CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UPON ACCESSORIES AND EQUIPMENT KEYNOTES

GENERAL NOTES:

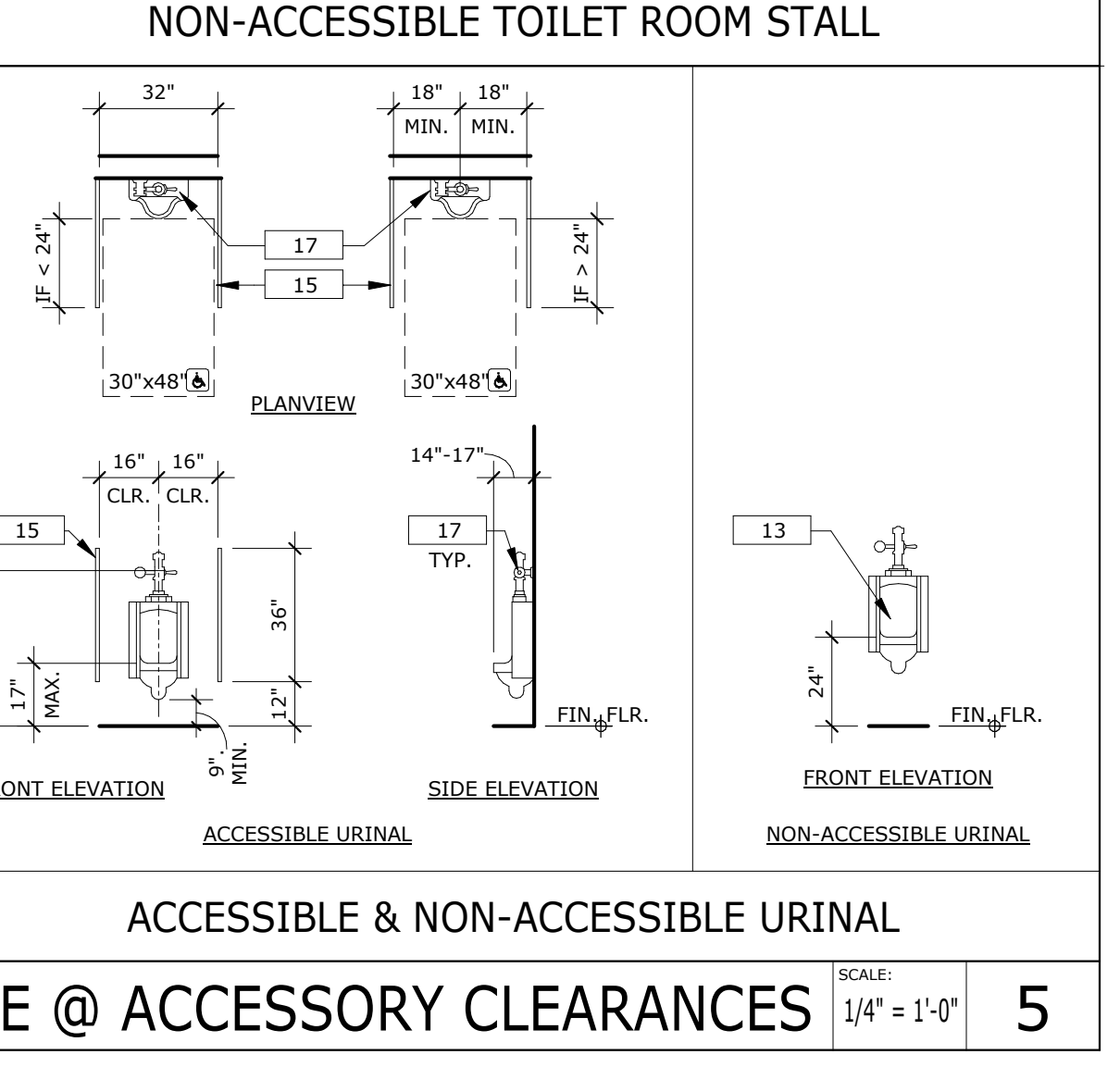
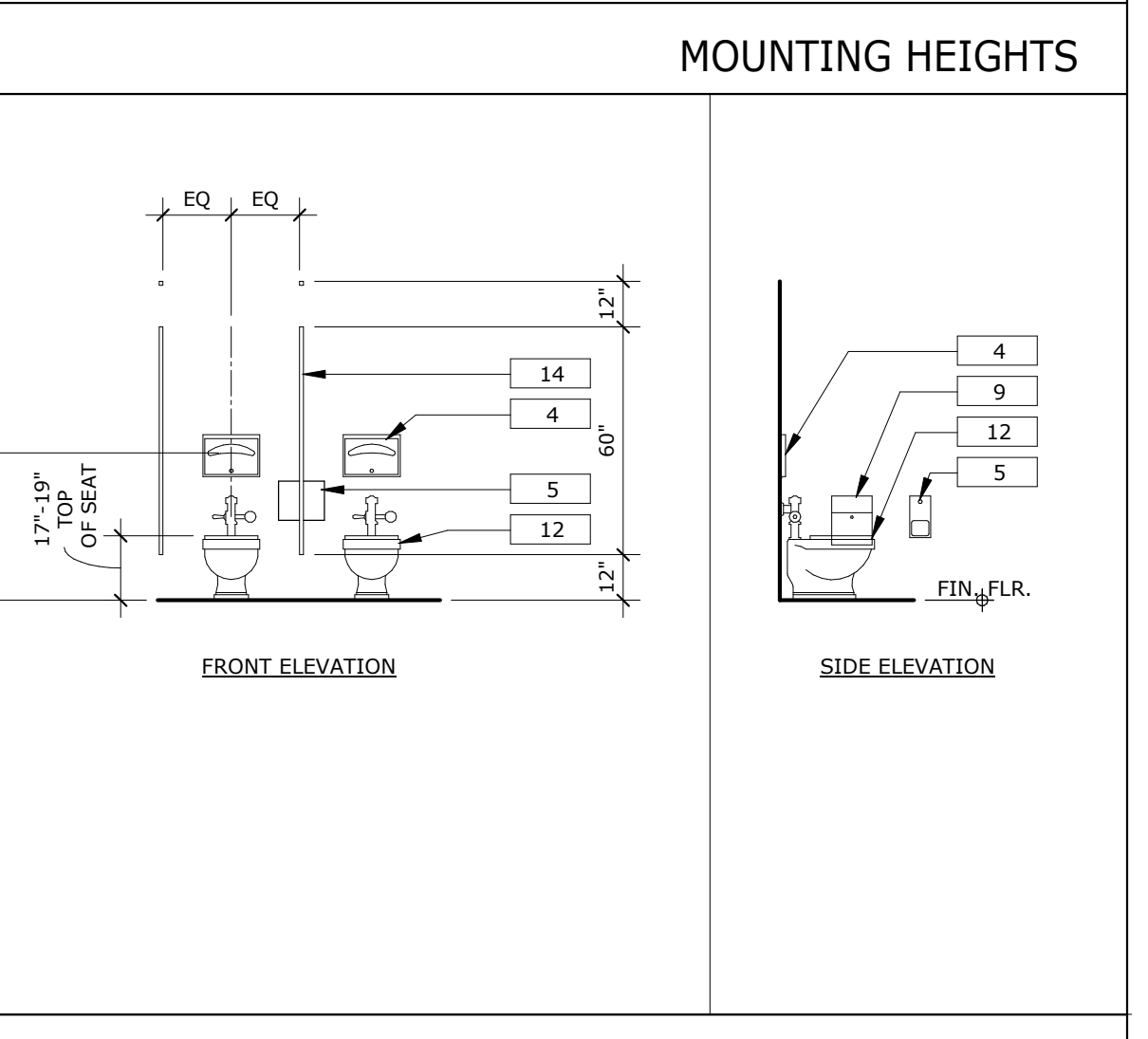
FAUCET CONTROLS & OPERATING MECHANISMS SHALL BE OPERABLE W/ ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVER OPERATED, PUSH TYPE & ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

DIMENSIONS:

	ADULTS	ELEMENTARY (9-12)
TOILET CENTERLINE FROM WALL	17 1/2"	16 1/2"
TOILET SEAT HEIGHT	17" - 19"	16"
GRAB BAR HEIGHT (TOP OF GRAB BAR)	33"	26"
GRAB BAR (DISTANCE FROM WALL) (SIDE)	12" MAX	12" MAX
TOILET PAPER HEIGHT (TO DELIVERY)	19"	18"
TOILET PAPER IN FRONT OF TOILET (TO CL)	7" - 9"	7" - 9"
NAPKIN DISPOSAL (TO OPENING)	19" MIN.	19" MIN.
DISPENSER	40" MAX.	40" MAX.
MIRROR / SOAP DISPENSER	40" MAX.	40" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.
LAVATORY APRON CLEARANCE	29" MIN.	29" MIN.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.
LAVATORY LIP HEIGHT	17" MAX.	17" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.

NOTE:

- CONTRACTOR TO PROVIDE MOUNTING HEIGHTS INDICATED. VERIFY INTENDED USE OF EACH RESTROOM PRIOR TO ROUGH IN. PROVIDE BACKING AS REQUIRED PER SEE DETAIL
- ALL HEIGHT DIMENSIONS ARE A.F.F. (OR A.F.G. FOR EXTERIOR) ALL HORIZONTAL DIMENSIONS ARE TO F.O.F.

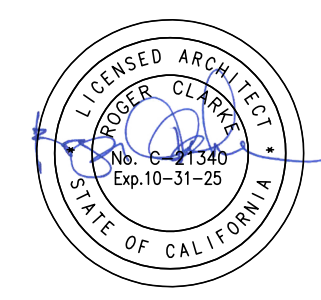


FIXTURE @ ACCESSORY CLEARANCES SCALE: 1/4" = 1'-0" **5**

FOR REFERENCE ONLY

PROJECT No. :1-10-402
7/5/2024 2:16:43 PM

DATE	BY	CHECKED BY			
DELTA #	DATE	ADD	APR	CCD	REV
DELTA #	DATE	ADD	APR	CCD	REV
DELTA #	DATE	ADD	APR	CCD	REV



**RUHNAU
CLARKE
ARCHITECTS**

AGENCY APPROVAL
DATE: 06-10-2024
PROJECT: 10-10-402

ROOM SIGNS SCALE: 1/2" = 1'-0" 6

NOTES:
1. PROVIDE ONE SIGN WHERE INDICATED PER EGRESS PLAN, LOCATE SIGN MAX. 9" MIN. O.C. AWAY FROM DOOR STRIKE SIDE.
2. FOR DOOR SIGN ATTACHMENT, SEE AD-1.1

EXIT SIGN SCALE: 1" = 1'-0" 7

NOTES:
1. FOR SIGNAGE LOCATIONS REFER TO SHEETS EGRESS AND SIGNAGE PLANS
2. FOR SIGNAGE REQUIREMENTS, SEE DETAIL AD-1.1
3. FOR LOCATION REQUIREMENTS, SEE DETAIL AD-1.1

NOT AN EXIT SIGN SCALE: 6" = 1'-0" 8

NOTES:
1. FOR SIGNAGE LOCATIONS REFER TO SHEETS EGRESS AND SIGNAGE PLANS
2. FOR SIGNAGE REQUIREMENTS, SEE DETAIL AD-1.1
3. FOR LOCATION REQUIREMENTS, SEE DETAIL AD-1.1

CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SAN SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE CHARACTER HEIGHT-RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".

FINISH AND CONTRAST: CHARACTERS AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH. CHARACTER SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

PROPORTIONS: PROPORTIONS FOR RAISED CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

CHARACTER SPACING: CHARACTER SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL COMPLY WITH CBC SECTION 11B-703.2

LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MIN. AND 170 PERCENT MAX. OF THE RAISED CHARACTER HEIGHT.

TEXT SHALL BE IN A HORIZONTAL FORMAT.

BRAILLE: FOR MORE INFO., SEE DETAIL AD-1.1

CHARACTER PROPORTIONS: 1:1 MAX, 3:5 MAX

STROKE PROPORTIONS: 15% MAX

SIGNAGE REQUIREMENTS SCALE: 1" = 1'-0" 2

BRAILLE: BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTION 11B-703.3 AND 11B-703.4

11B-703.3.1 DIMENSION AND CAPITALIZATION: BRAILLE DOT SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATOR OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS AND ACRONYMS.

11B-703.3.2 POSITION: BRAILLE SHALL BE POSITION BELOW THE CORRESPONDING TEXT IN HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH (9.5 MM) MINIMUM AND 1/2 INCH (12.7 MM) MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH (9.5 MM) MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

MEASUREMENT RANGE	MINIMUM IN INCHES/MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5 MM) TO 0.063 (1.6 MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL ¹	0.100 (2.5 MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELL ¹	0.300 (7.6 MM)
DOT HEIGHT	0.025 (0.6 MM) TO 0.037 (0.9 MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395 (10 MM) TO 0.400 (10.2 MM)

1. MEASURED CENTER TO CENTER

BRAILLE REQUIREMENTS SCALE: 1" = 1'-0" 4

NOTES:
1. WHERE THERE ARE TWO SIGNS ON BOTH SIDES OF THE GLASS, BOTH SIGNS SHALL BE THE SAME SIZE, ALIGNED, AND MOUNTED BACK-TO-BACK
2. PROVIDE BACK PLATE OF SAME SIZE WHERE SIGN IS MOUNTED ON GLASS WITHOUT BACK-TO-BACK SIGN.

SIGN ATTACH. PLASTER WALL SCALE: 3" = 1'-0" 10

NOTES:
1. WHERE THERE ARE TWO SIGNS ON BOTH SIDES OF THE GLASS, BOTH SIGNS SHALL BE THE SAME SIZE, ALIGNED, AND MOUNTED BACK-TO-BACK
2. PROVIDE BACK PLATE OF SAME SIZE WHERE SIGN IS MOUNTED ON GLASS WITHOUT BACK-TO-BACK SIGN.

SIGN ATTACH. FRAMED WALL SCALE: 1" = 1'-0" 15

NOTES:
1. WHERE THERE ARE TWO SIGNS ON BOTH SIDES OF THE GLASS, BOTH SIGNS SHALL BE THE SAME SIZE, ALIGNED, AND MOUNTED BACK-TO-BACK
2. PROVIDE BACK PLATE OF SAME SIZE WHERE SIGN IS MOUNTED ON GLASS WITHOUT BACK-TO-BACK SIGN.

DOOR SIGN ATTACHMENT SCALE: 3/8" = 1'-0" 14

DOOR SIGN SIZE: FOR MORE INFO. ON SIZES OF EXTERIOR, INTERIOR & TOILET ROOM DOOR SIGNS, REFER TO SPECIFICATIONS

MAX OCCUP. SIGN SCALE: 3" = 1'-0" 19

NOTES:
1. 1-1/2" HIGH LETTERS PORCELAIN OR BAKED ON ENAMEL ON STEEL, NO VINYL OR STICK ON LETTERING, TYP. INFORMATION SHALL BE A PERMANENT PART OF SIGN FABRICATION.
2. LETTERS TO BE WHITE ON CONTRASTING BACKGROUND, COLOR TO MATCH EXISTING.
3. FOR SIGNAGE LOCATIONS AND MAXIMUM NUMBER OF OCCUPANTS, REFER TO SPECIFICATIONS.
4. USE TAMPER PROOF SCREWS FOR ATTACHMENT, TYP.
5. FOR MOUNTING HEIGHT, SEE DETAIL AD-1.1

RESTROOM SIGNS LOCATION SCALE: 1/2" = 1'-0" 18

TOILET WALL SIGN: PER. MOUNTED AT LATCH SIDE OF DOOR

TOILET DOOR SIGN: FOR MORE INFO. REFER TO SPECIFICATIONS AND FOR SIGNAGE LOCATIONS REFER TO SIGNAGE PLANS

RESTROOM SIGNAGE SCALE: 2" = 1'-0" 12

NOTES:
1. ALL TEXT / GRAPHICS TO BE WHITE ON CONTRASTING BACKGROUND, TYP.
2. BACKGROUND COLOR T.B.D. BY ARCHITECT, TYP.
3. FOR MORE INFO. ON SIGN PLACEMENT, REFER TO DETAIL.
4. MOUNTING HEIGHTS & SIGNAGE REQUIREMENTS SHALL BE PER DET.
5. COLOR OF THE TRIANGLE SYMBOL SHALL CONTRAST WITH COLOR OF THE DOOR OR SURFACE ON WHICH THE TRIANGLE SYMBOL IS MOUNTED, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
6. THE COLOR OF THE CIRCLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR OR SURFACE ON WHICH THE CIRCLE SYMBOL IS MOUNTED, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
7. THE VERTICES OF THE TRIANGLE SYMBOL SHALL BE LOCATED 1/4" (6.4 MM) MAX FROM THE EDGE OF THE TRIANGLE SYMBOL WITH A VERT. POINTED UPWARD.
8. THE COLOR OF THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR OR SURFACE ON WHICH THE COMBINED CIRCLE AND TRIANGLE IS MOUNTED, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
9. SEE DETAIL AD-1.1 FOR EDGES, VERTICE AND CHAMFERED
10. 1/4" THK. CIRCLE SYMBOL, COLOR TO CONTRAST FROM DOOR COLOR PER 2022 CBC SEC. 11B-703.7.2.6
11. 1/4" THK. TRIANGLE SYMBOL, COLOR TO CONTRAST FROM DOOR AND TRIANGLE COLOR PER 2022 CBC SEC. 11B-703.7.2.6
12. 1/4" THK. TRIANGLE SYMBOL, COLOR TO CONTRAST FROM DOOR

SIGN ATTACHMENT AT GLASS SCALE: 1/2" = 1'-0" 5

FOR REFERENCE ONLY

PROJECT No. 10-10-402
7/5/2024 2:16:44 PM

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 688-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92008 (760) 438-3899

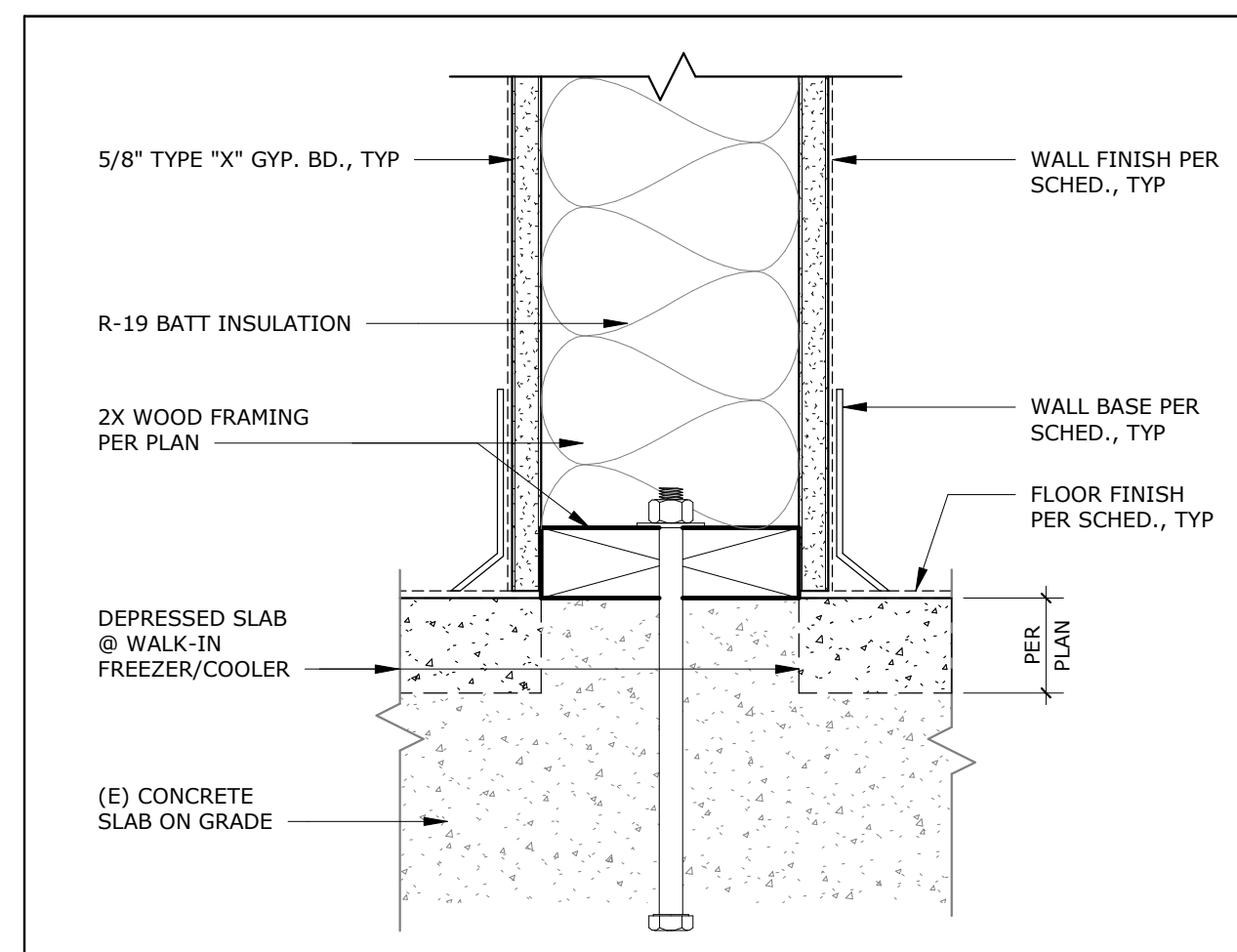
KITCHEN UPGRADES AT MADISON E.S.

SIGNAGE DETAILS

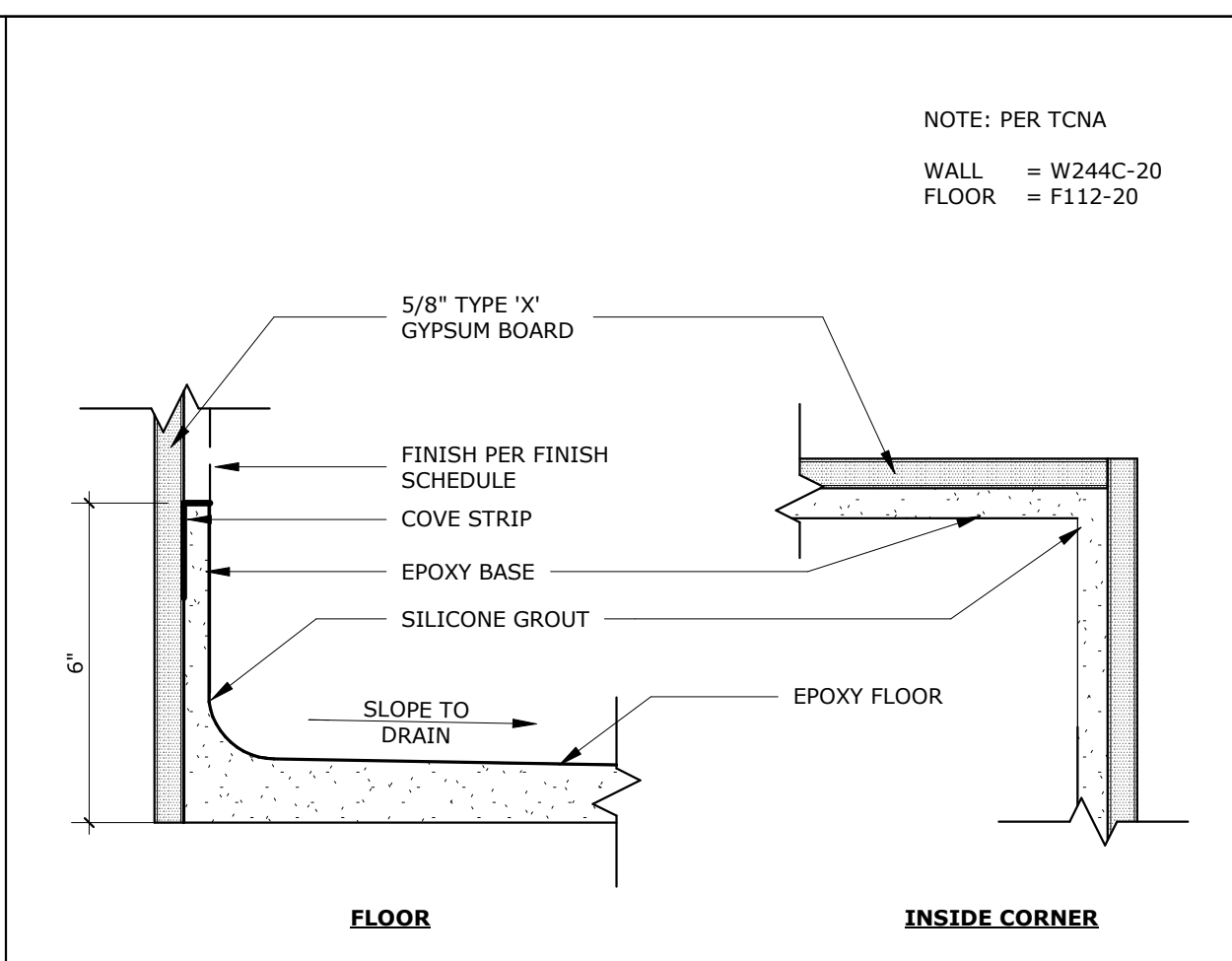
AD-1.1

1-10-402

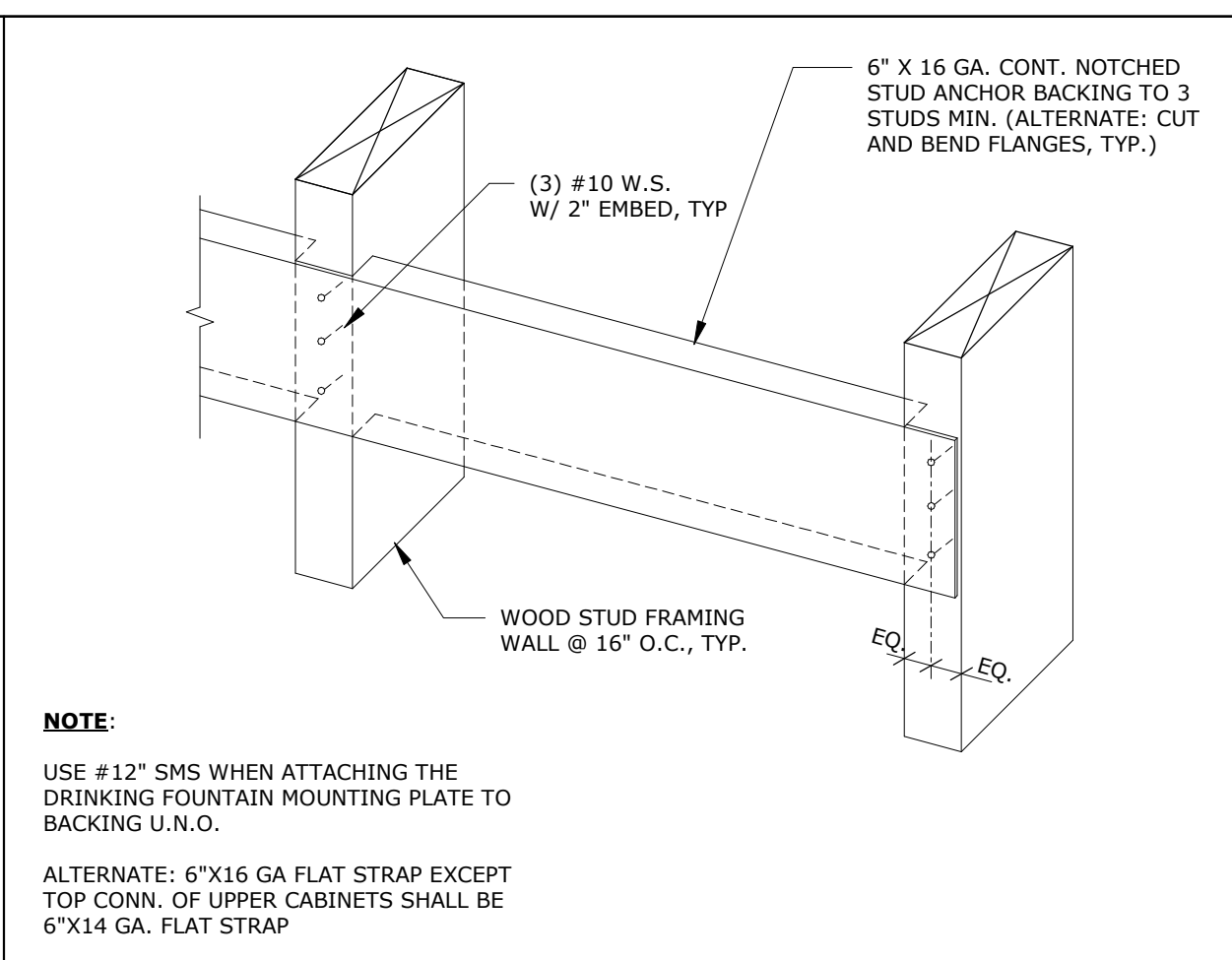
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



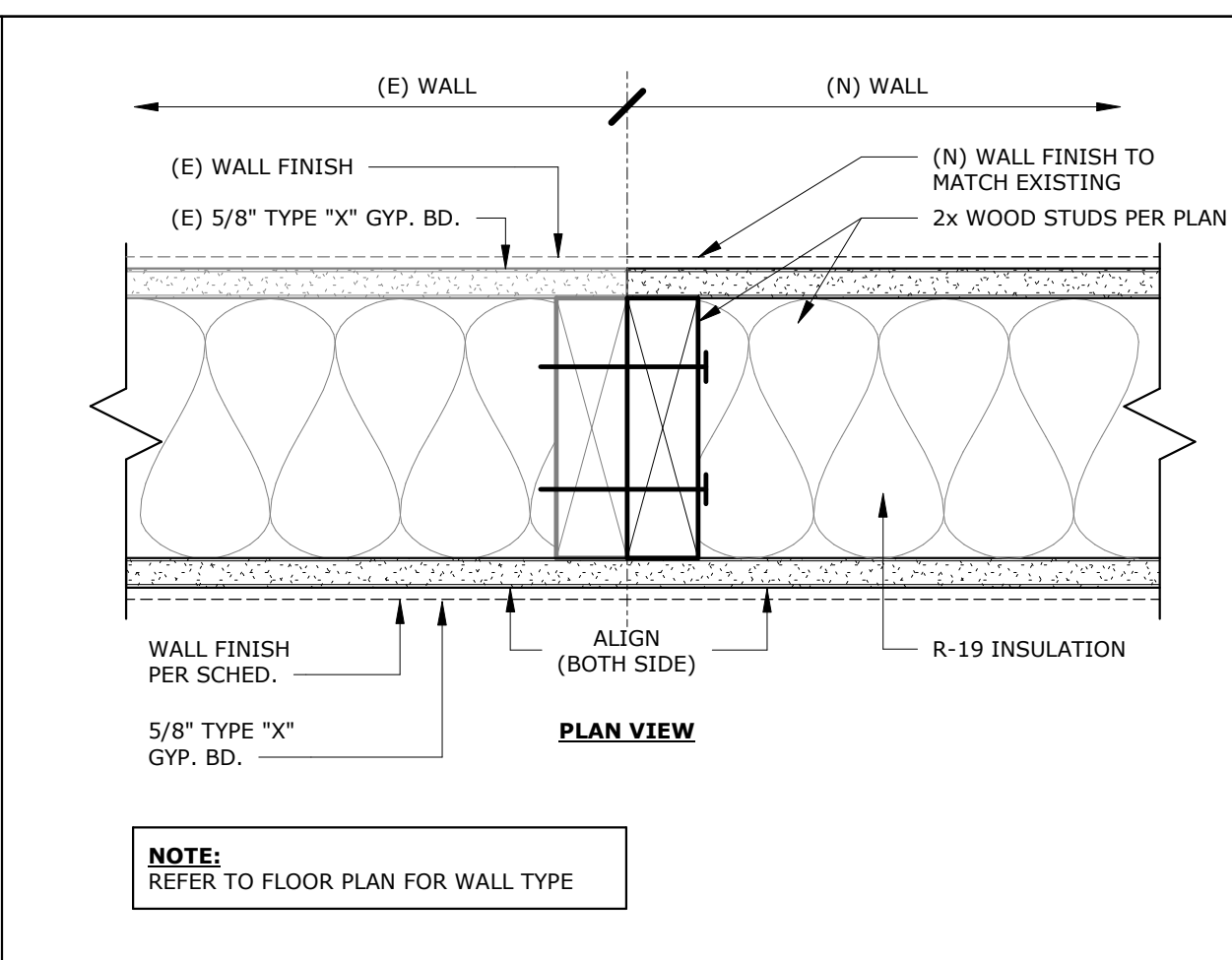
INT. WALL BASE B1 SCALE: 3\"/>



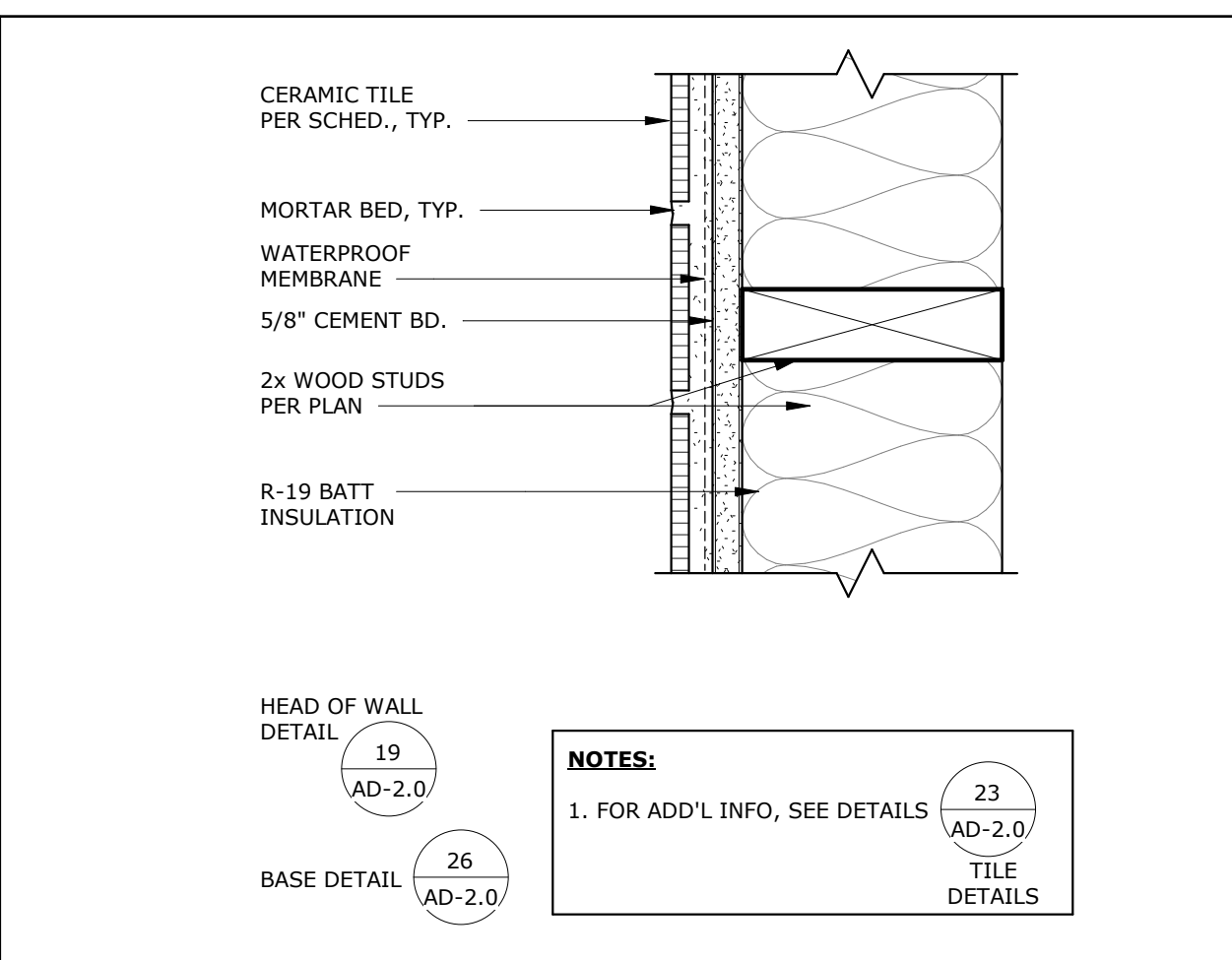
EPOXY FLOOR/ BASE DETAILS SCALE: 3\"/>



BACKING @ WOOD STUD SCALE: 1/2\"/>

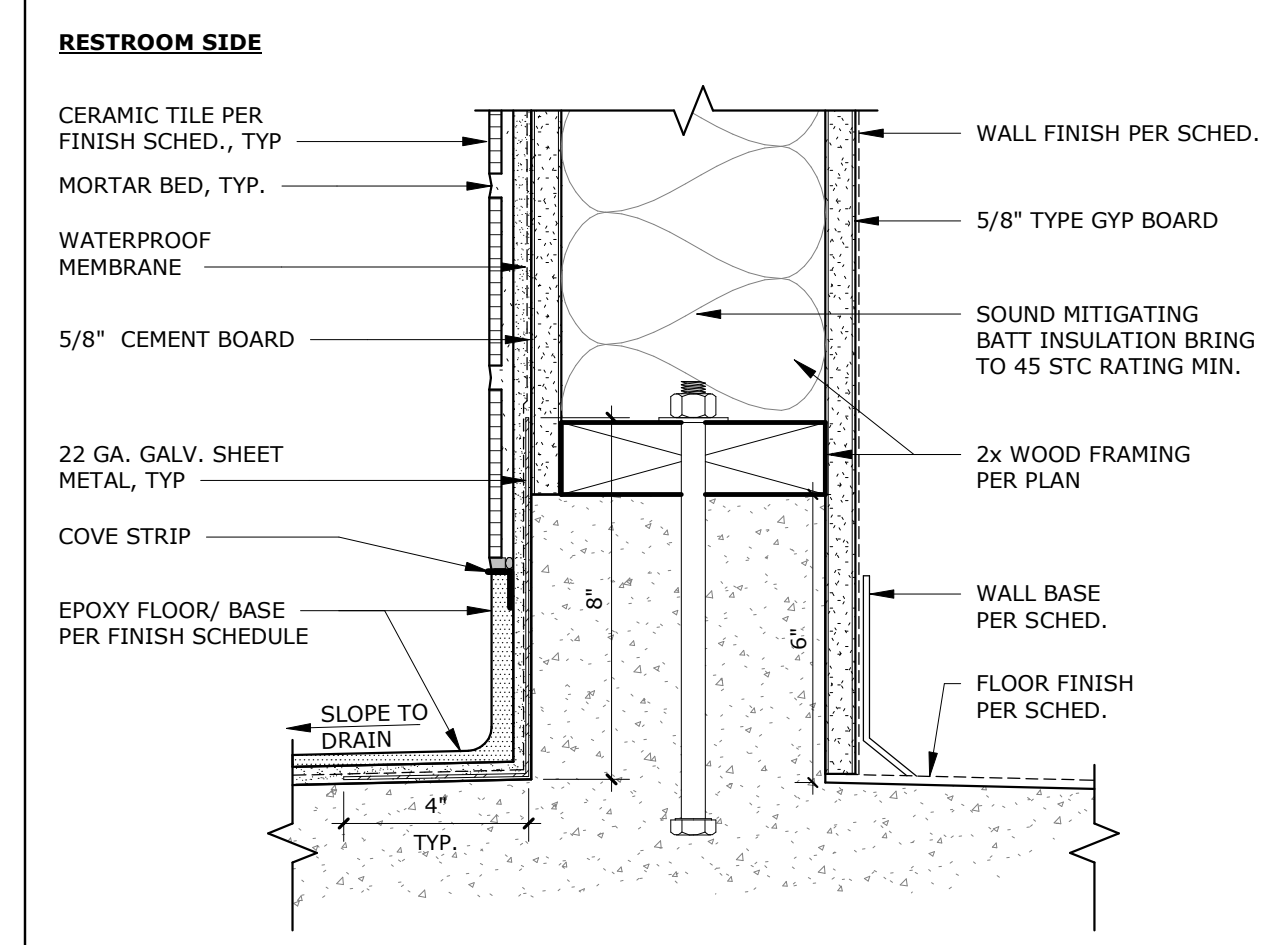


(E) TO (N) WALL DETAIL SCALE: 3\"/>

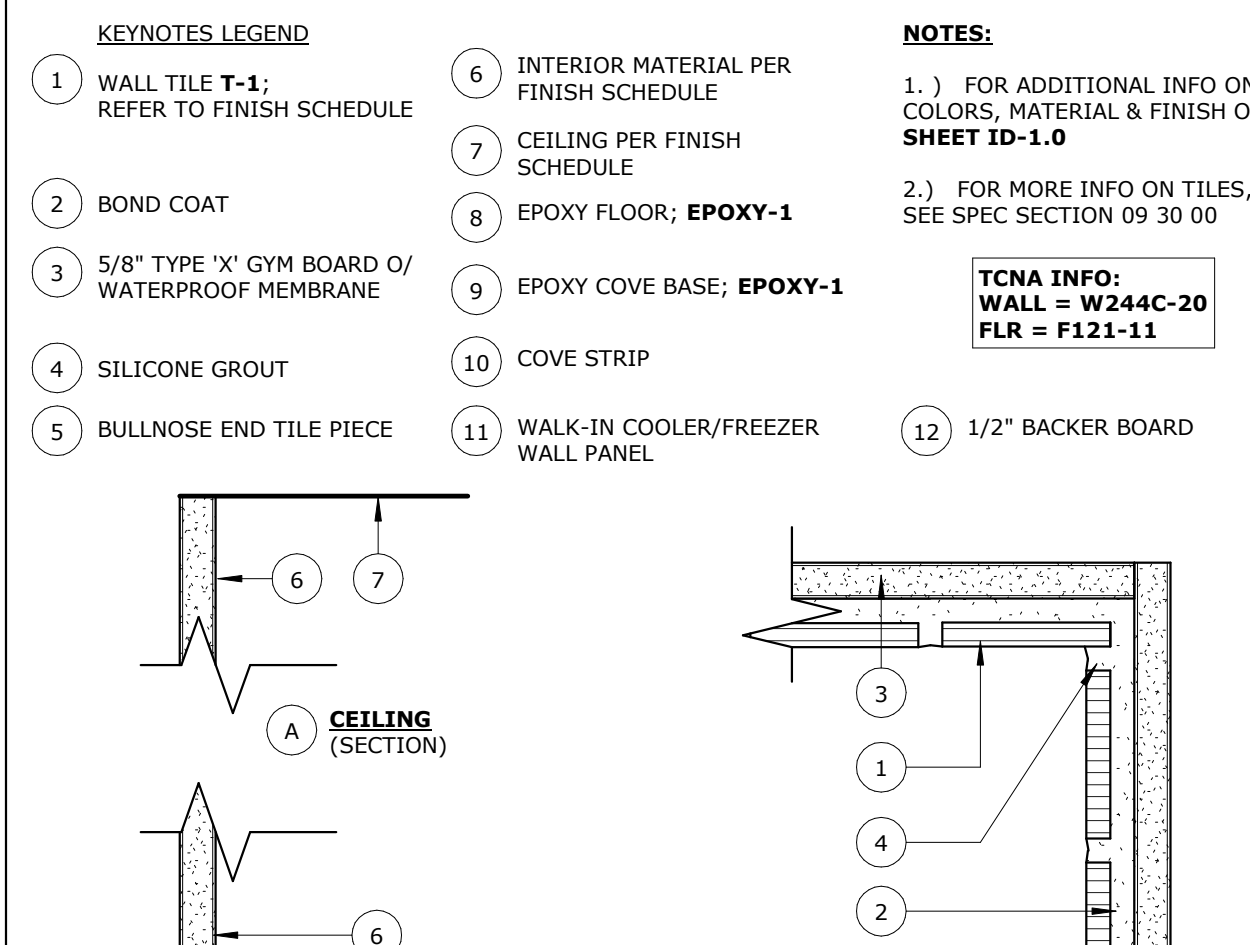


WALL TYPE 'C3' SCALE: 3\"/>

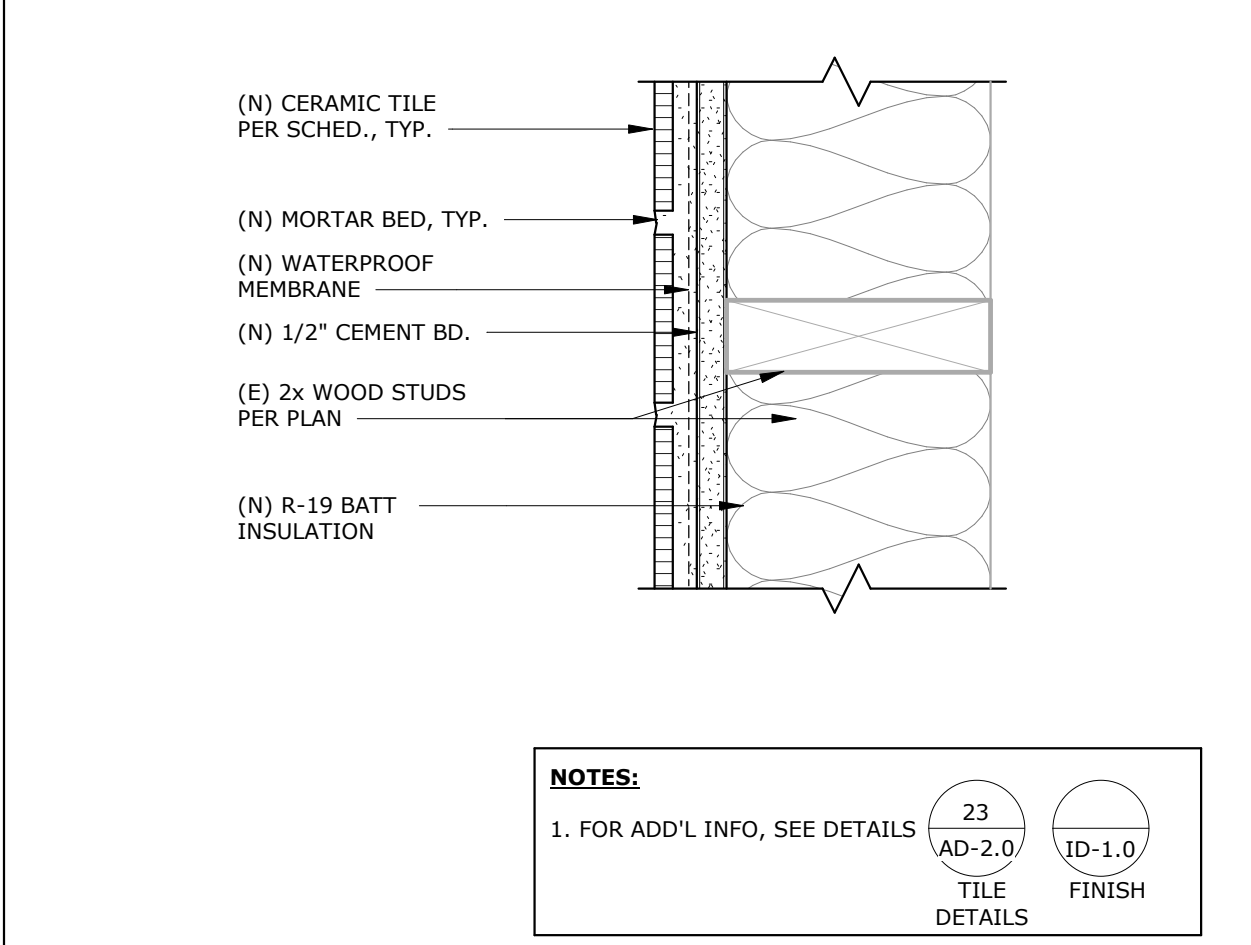
RUHNA CLARKE ARCHITECTS



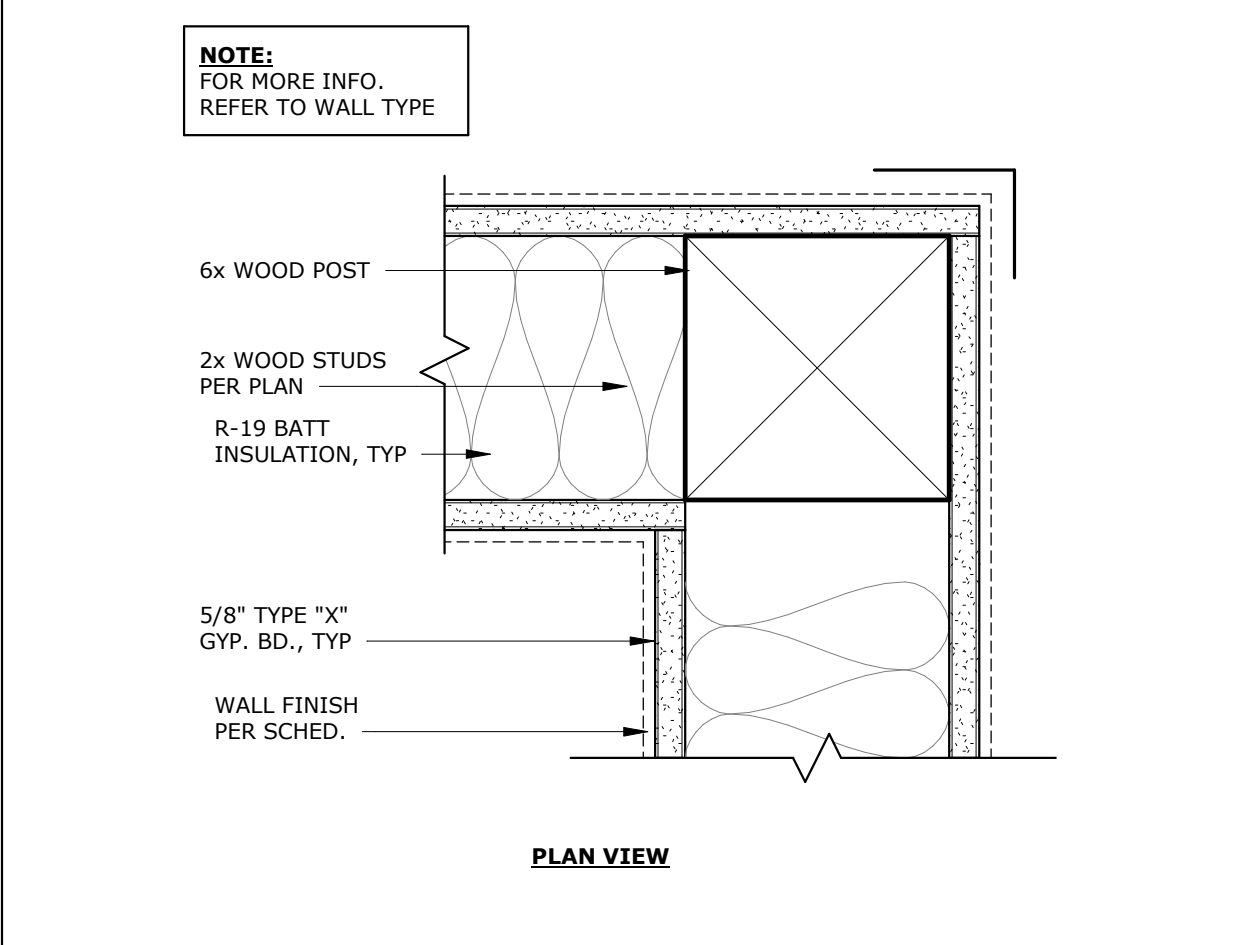
INT. WALL BASE 'C1' SCALE: 3\"/>



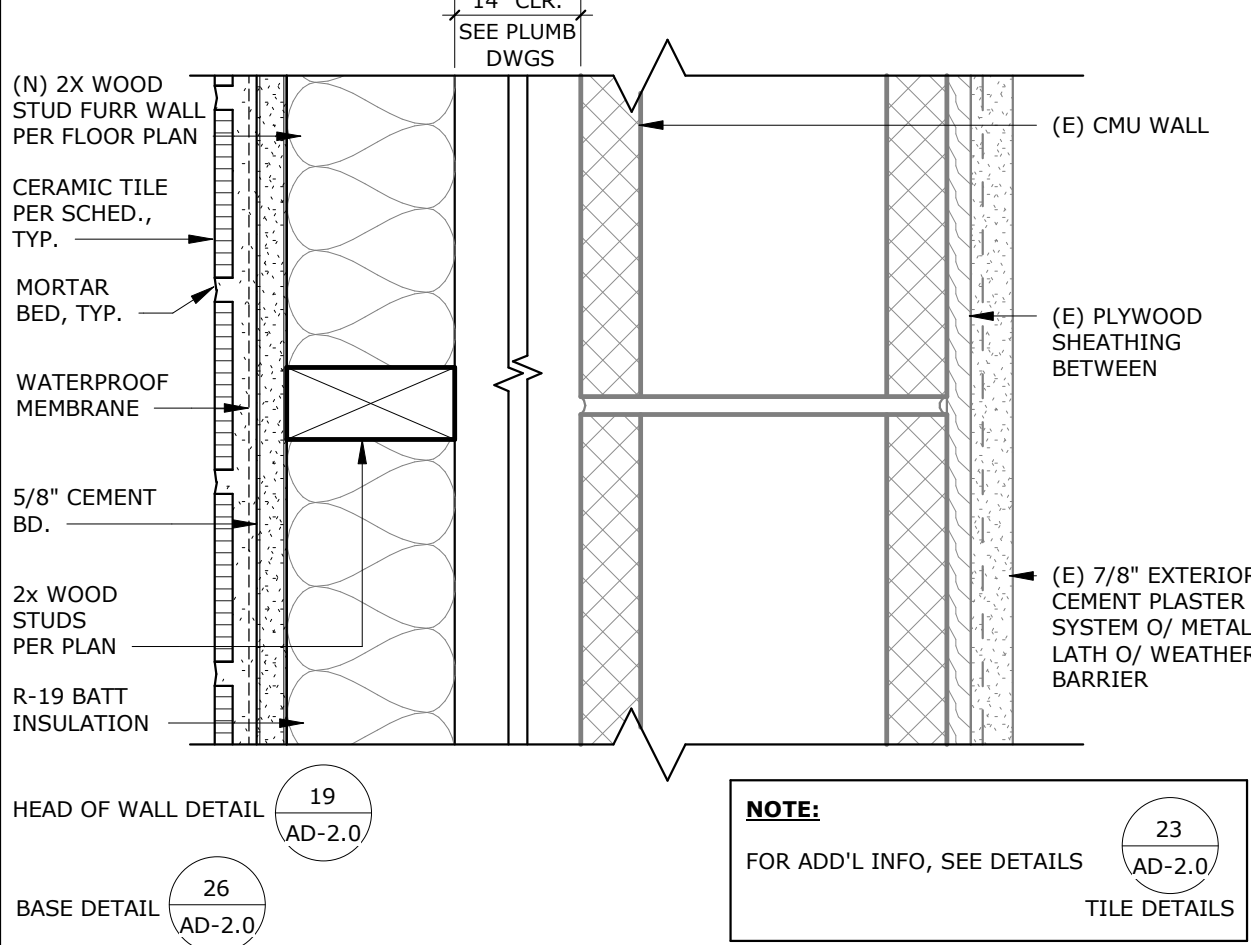
CEILING SECTION



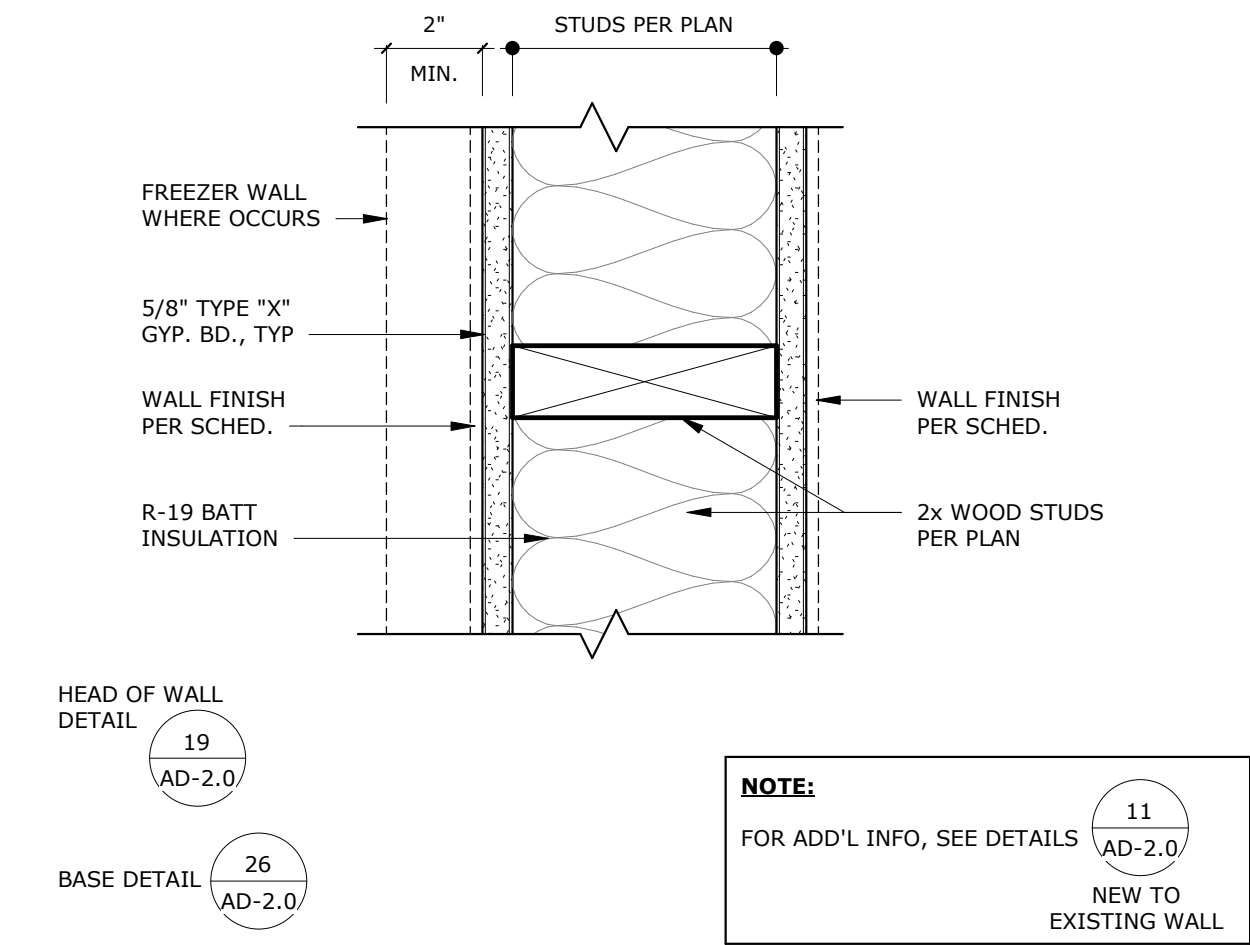
WALL TILE SCALE: 3\"/>



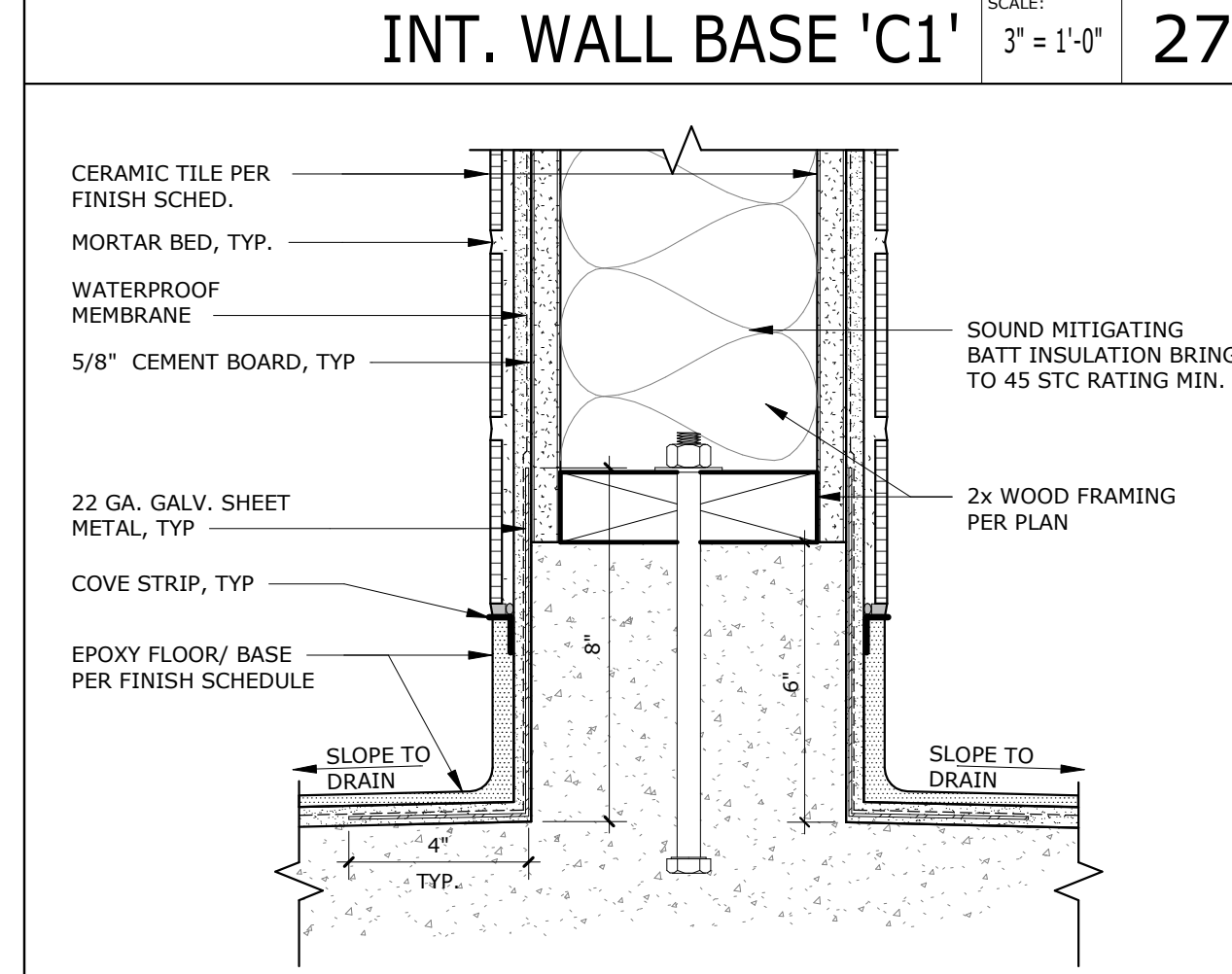
(N) TO (E) CORNER WALL SCALE: 3\"/>



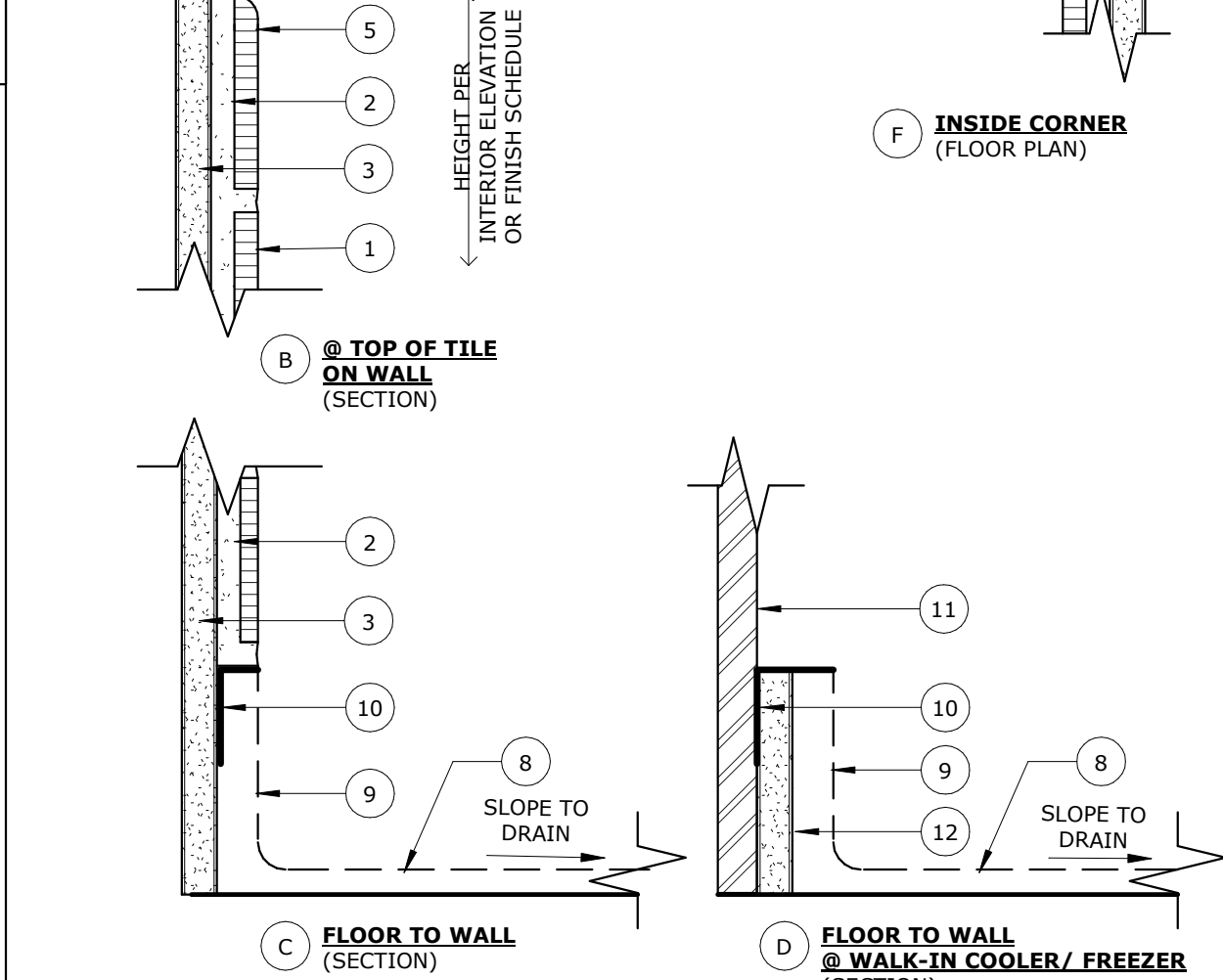
WALL TYPE 'C4' SCALE: 3\"/>



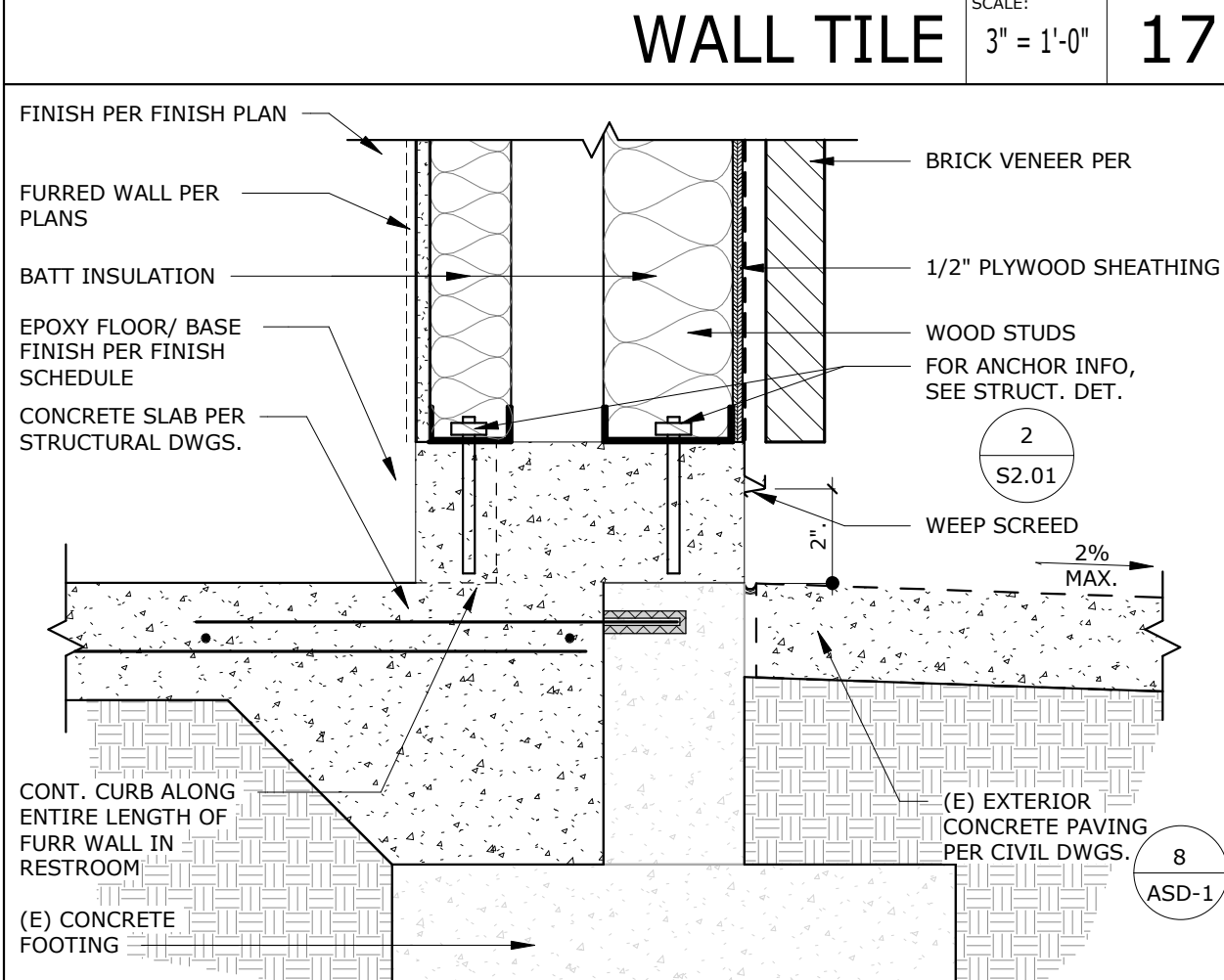
WALL TYPE 'B1' SCALE: 3\"/>



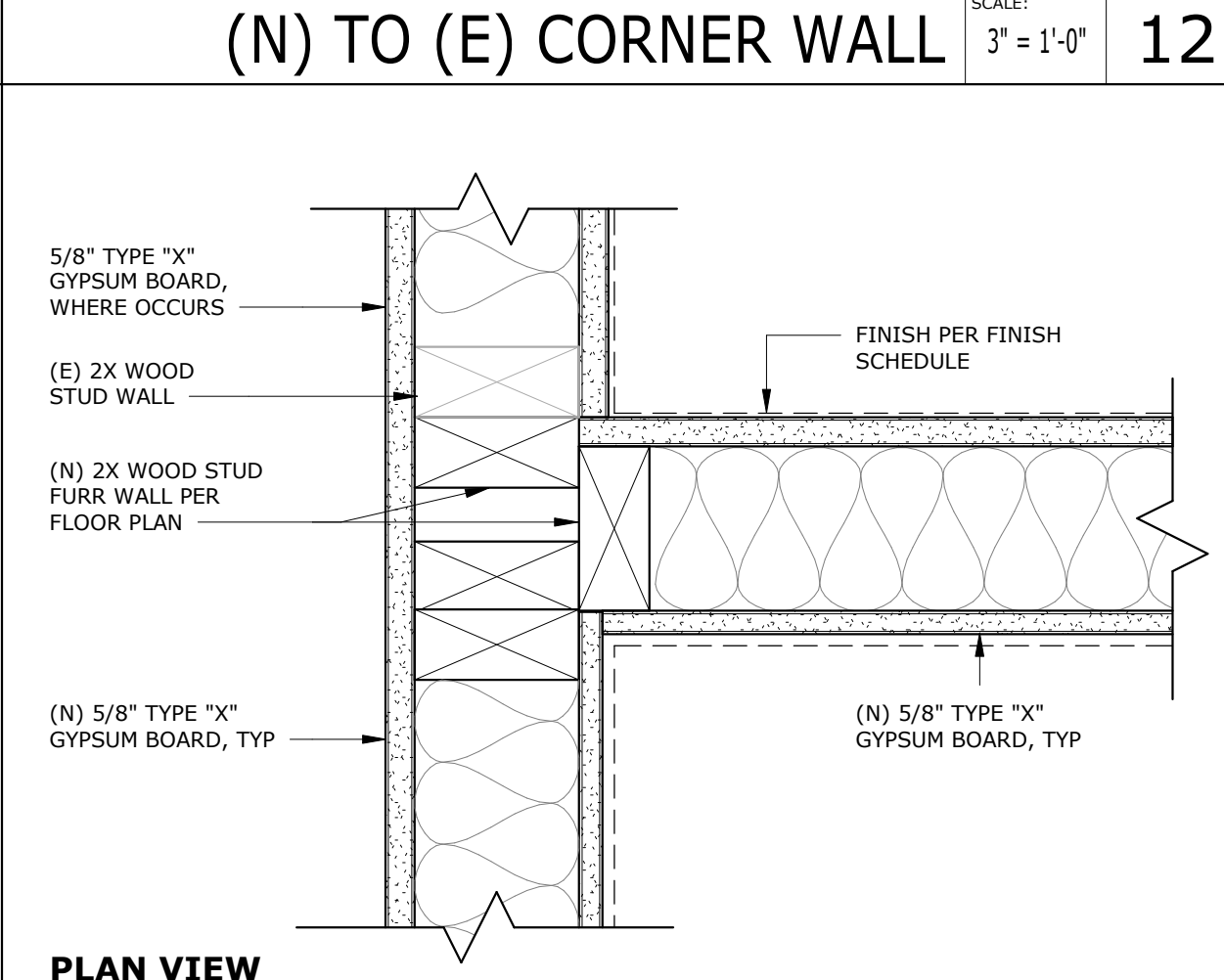
INT. WALL BASE 'C1' SCALE: 3\"/>



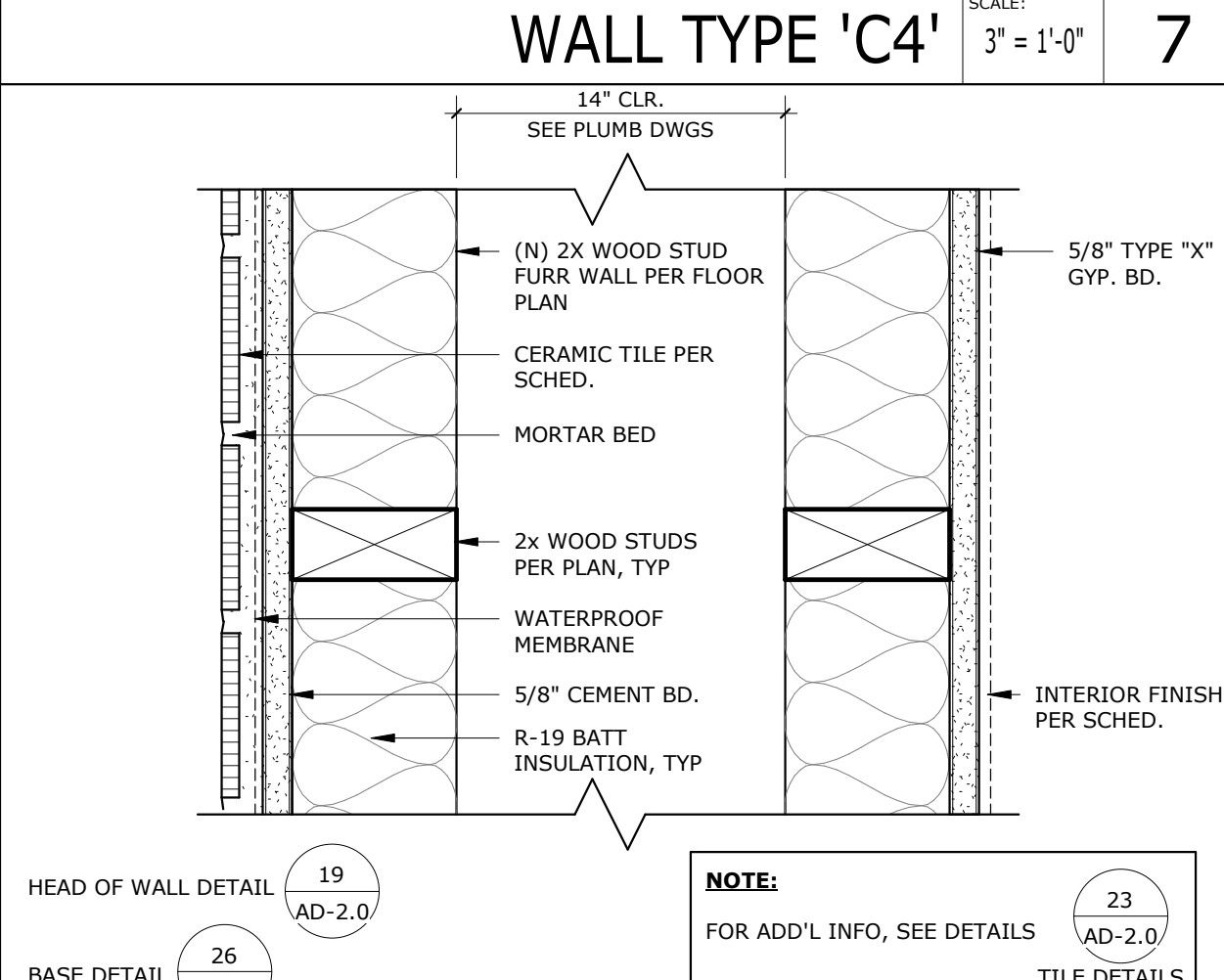
FLOOR TO WALL @ WALK-IN COOLER/FREEZER SECTION



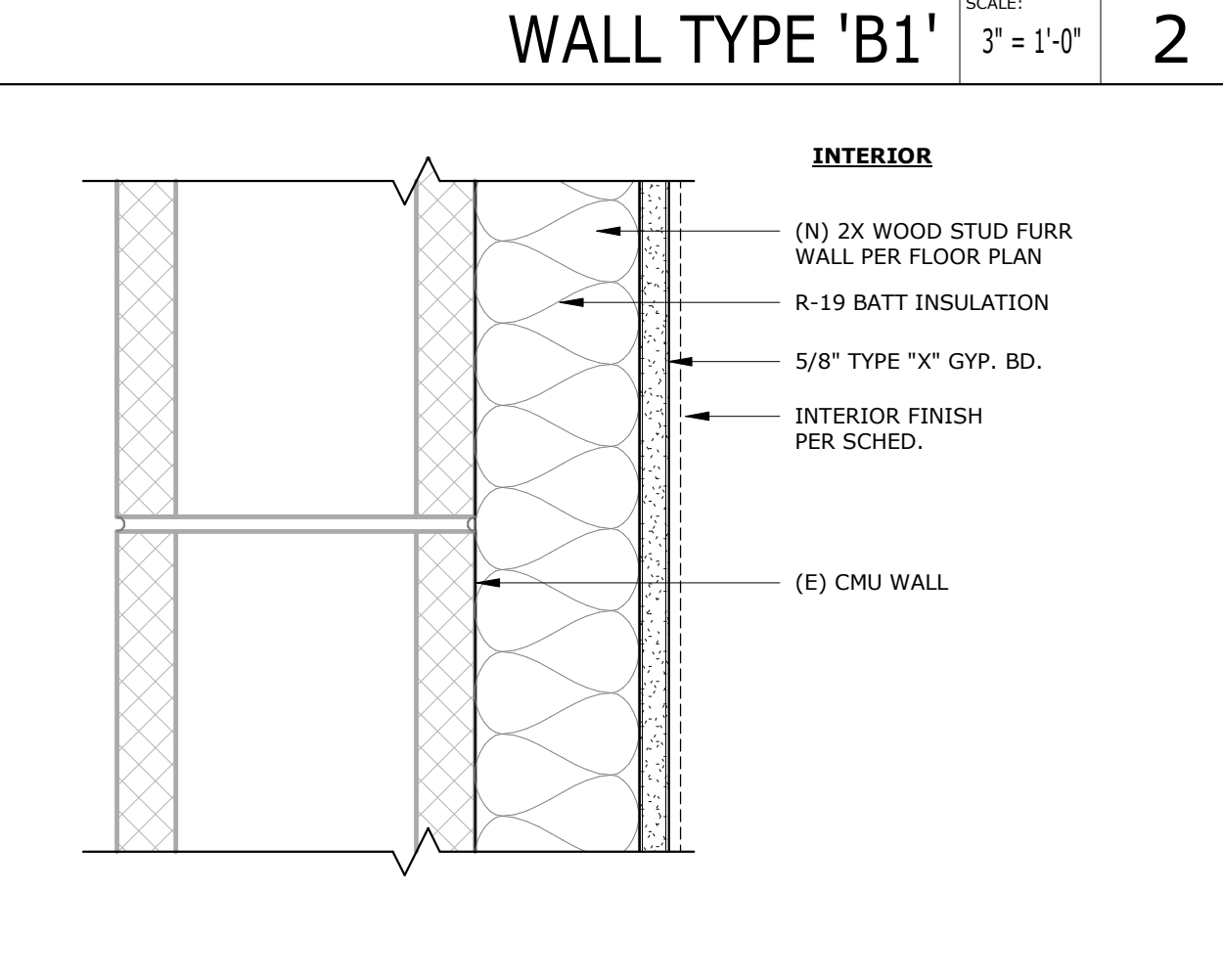
EXT. WALL CURB SCALE: 1/2\"/>



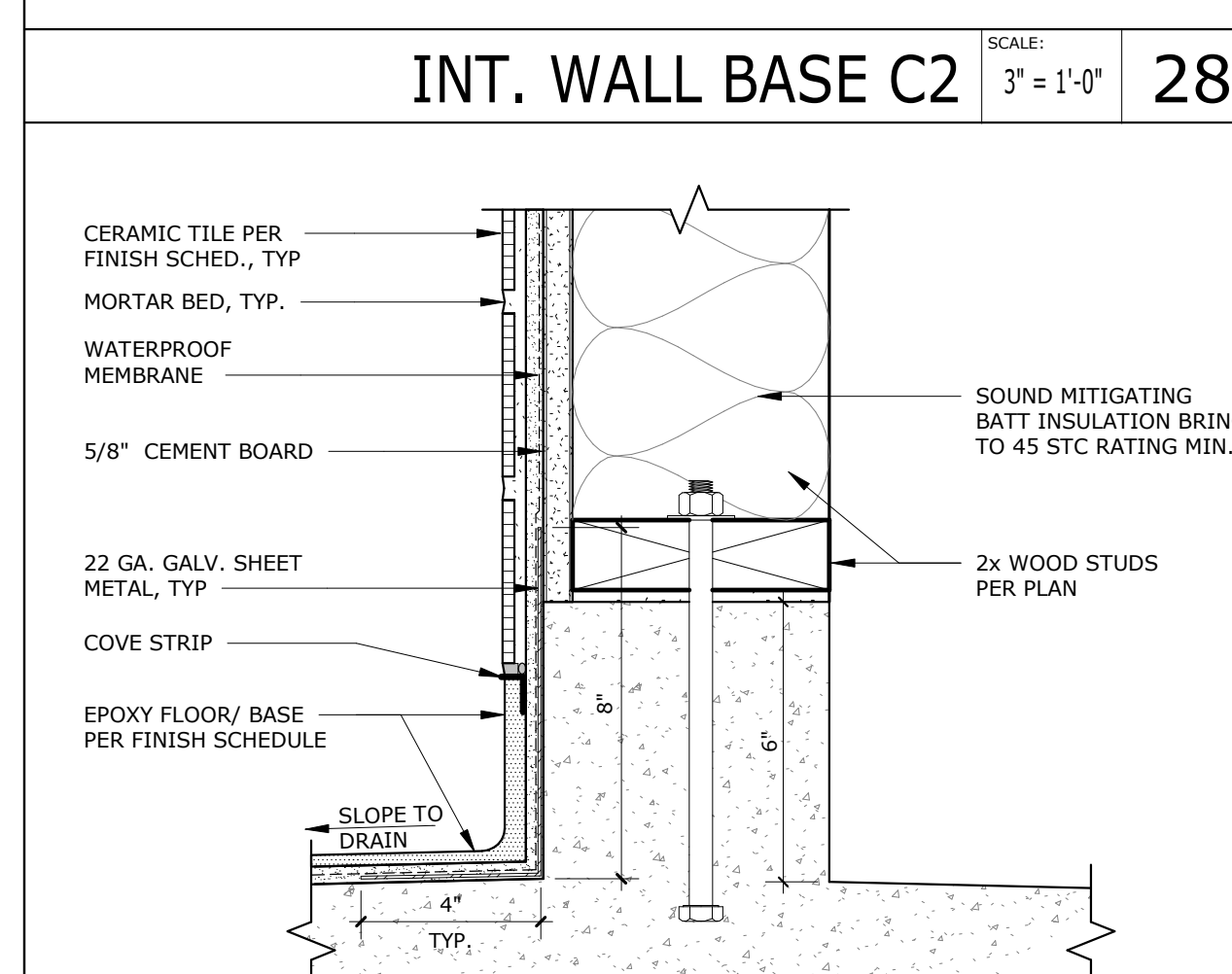
(N) WALL @ INT. INTERSECTION SCALE: 3\"/>



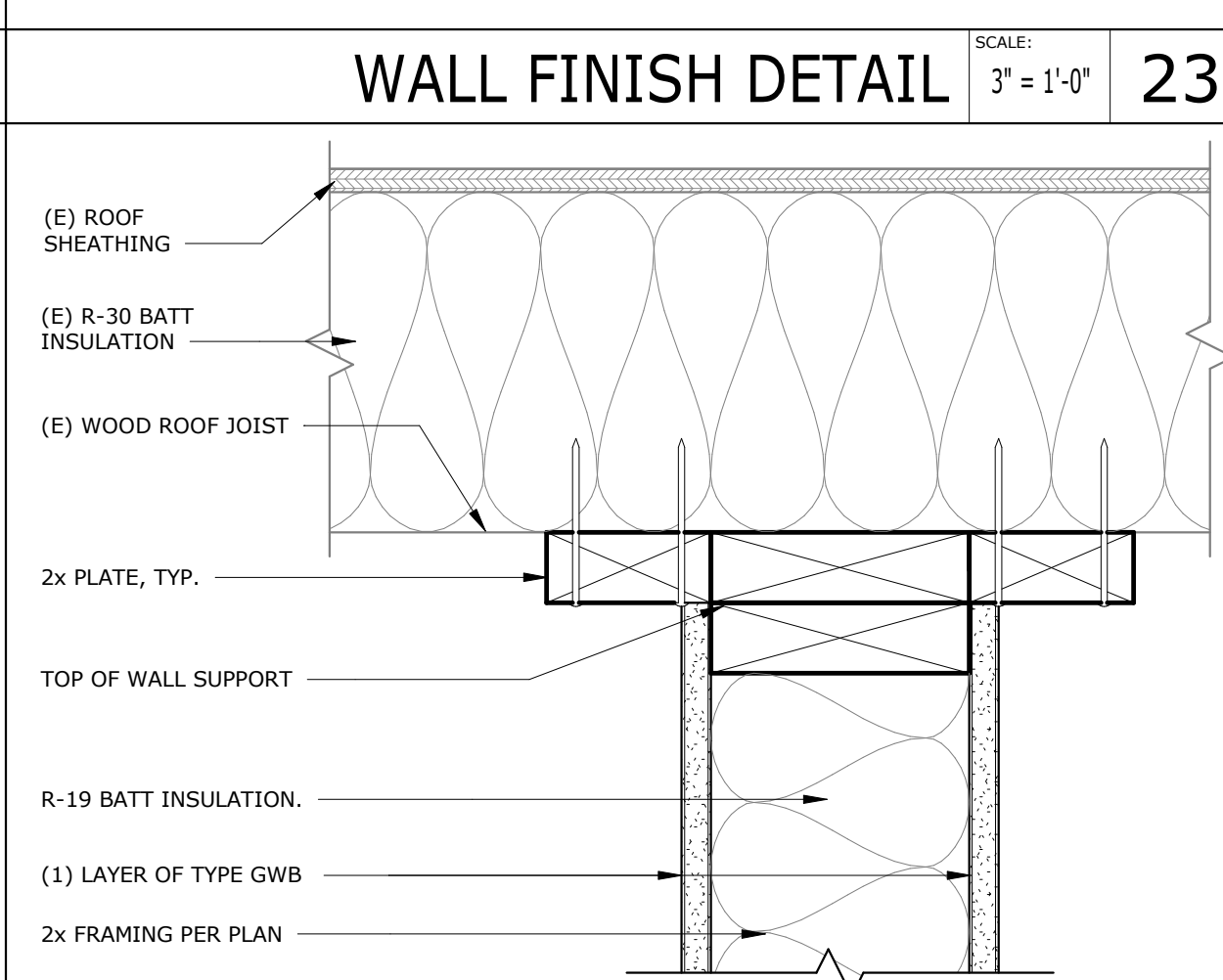
WALL TYPE 'C4' SCALE: 3\"/>



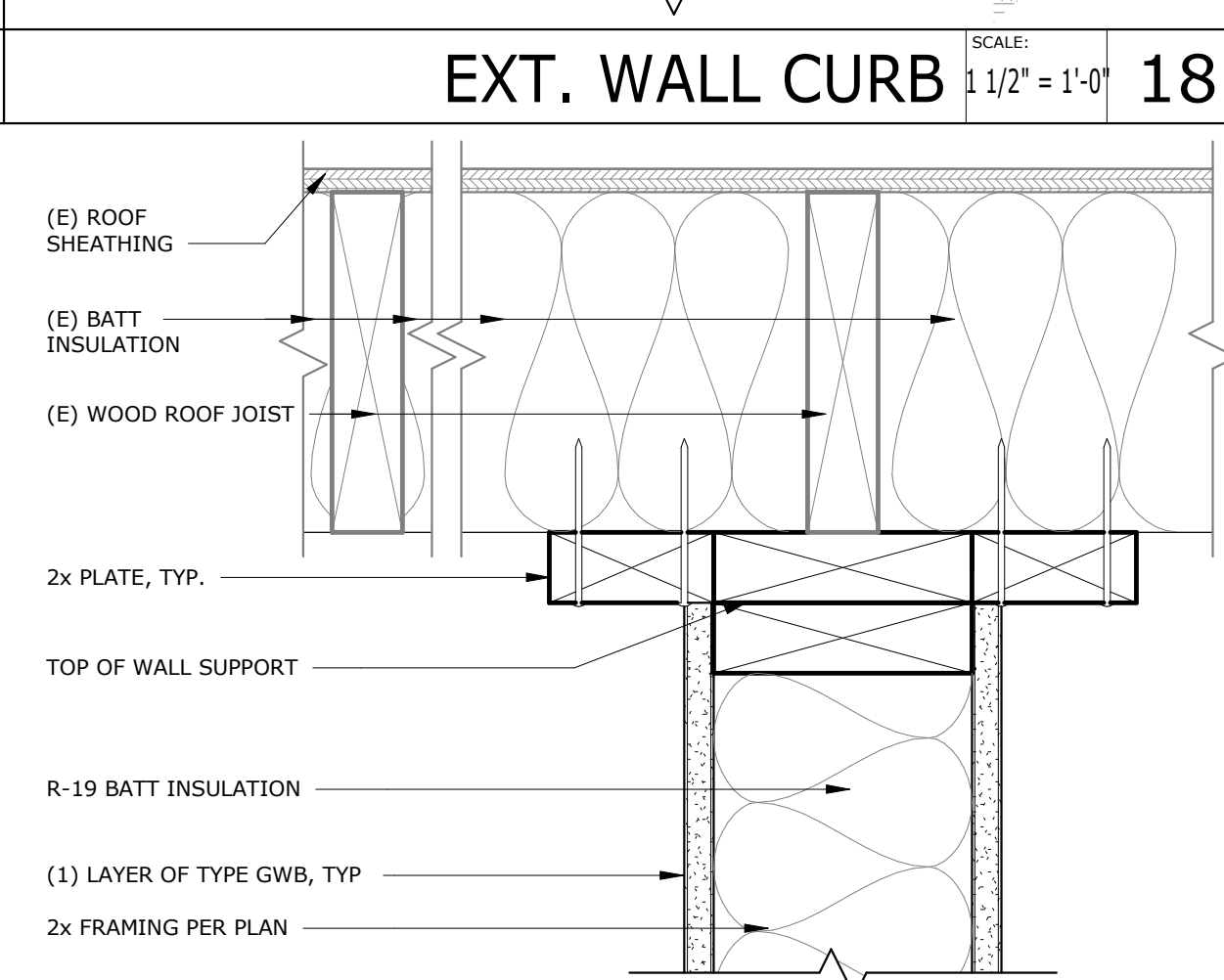
WALL TYPE 'B1' SCALE: 3\"/>



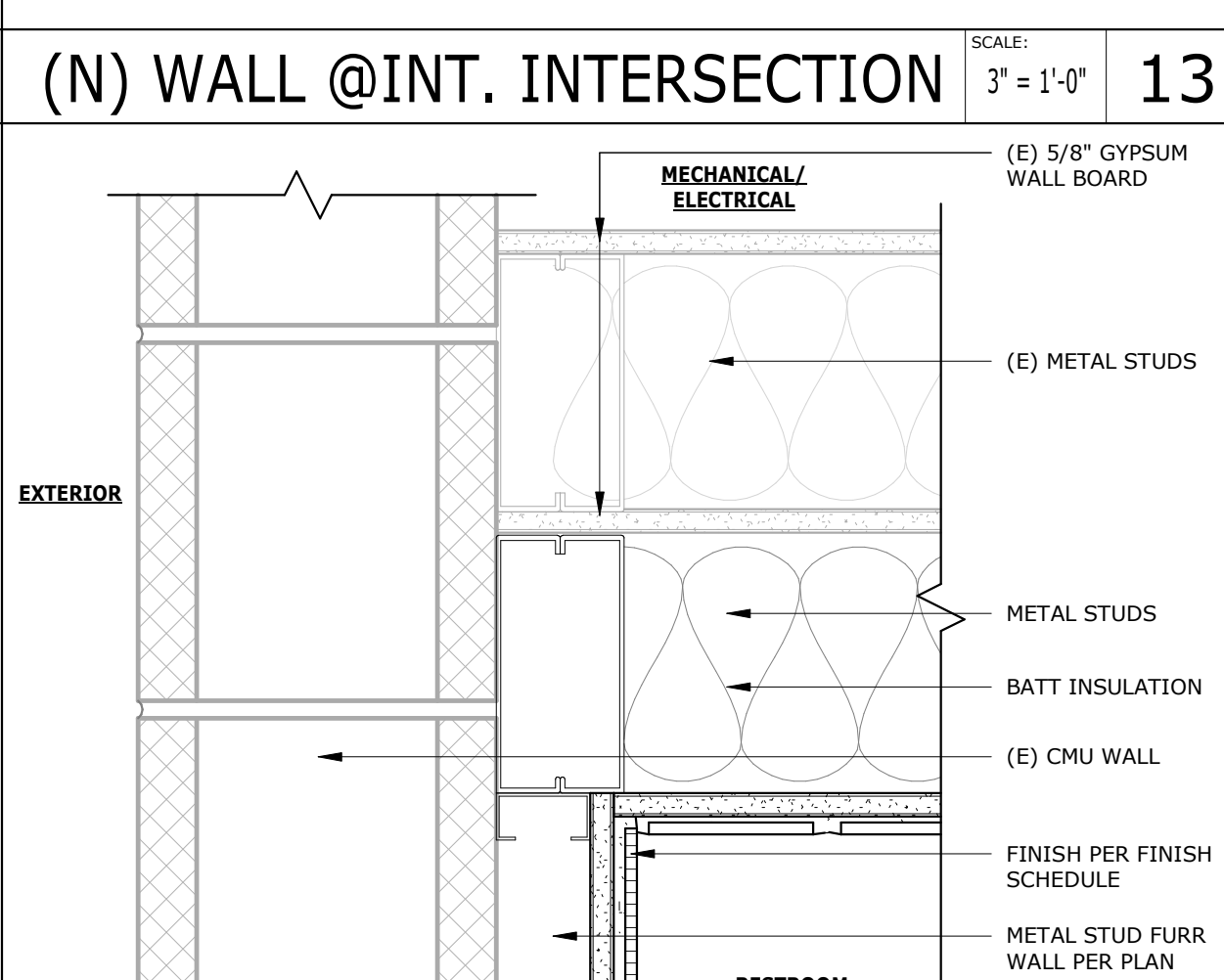
INT. WALL BASE 'C2' SCALE: 3\"/>



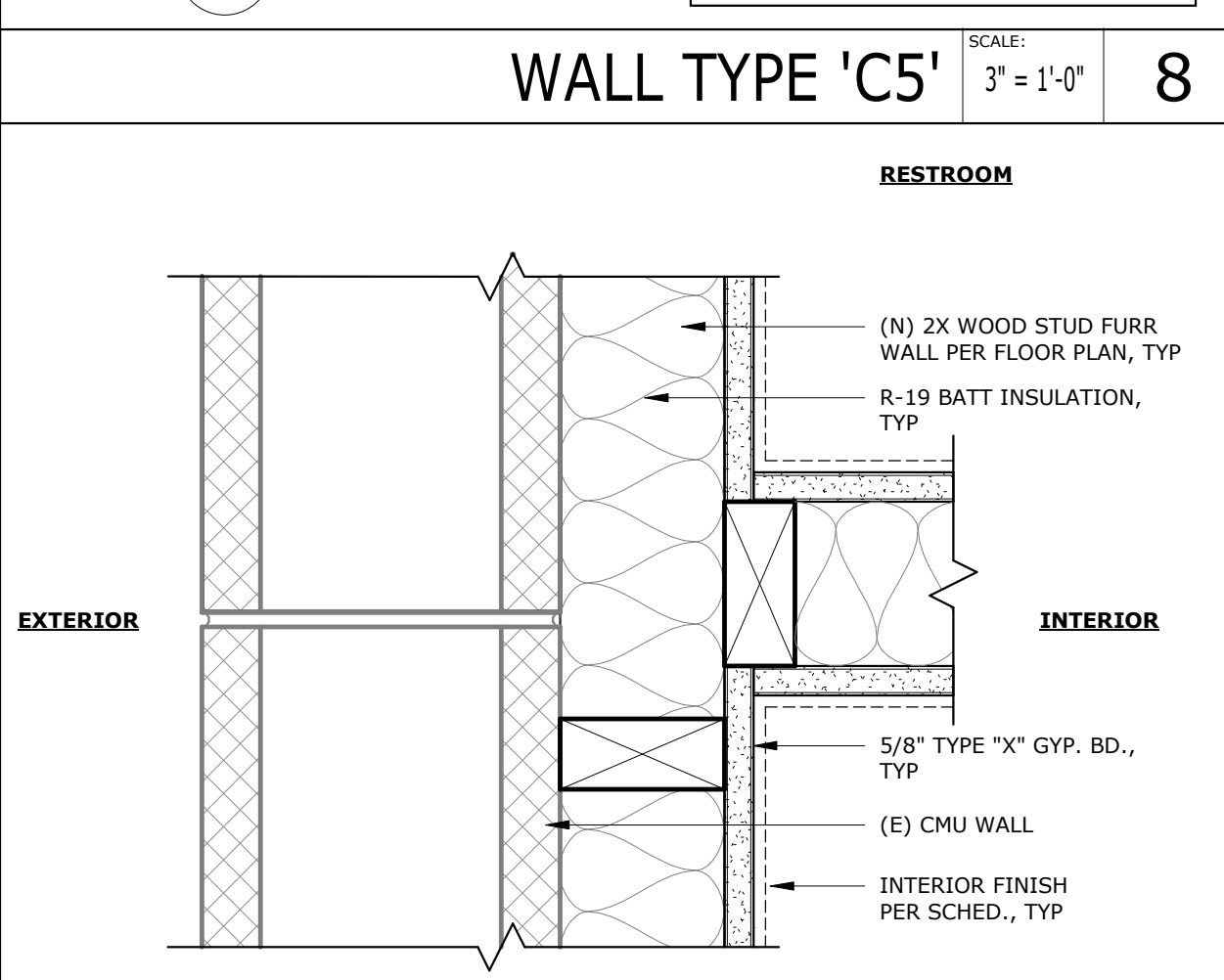
WALL FINISH DETAIL SCALE: 3\"/>



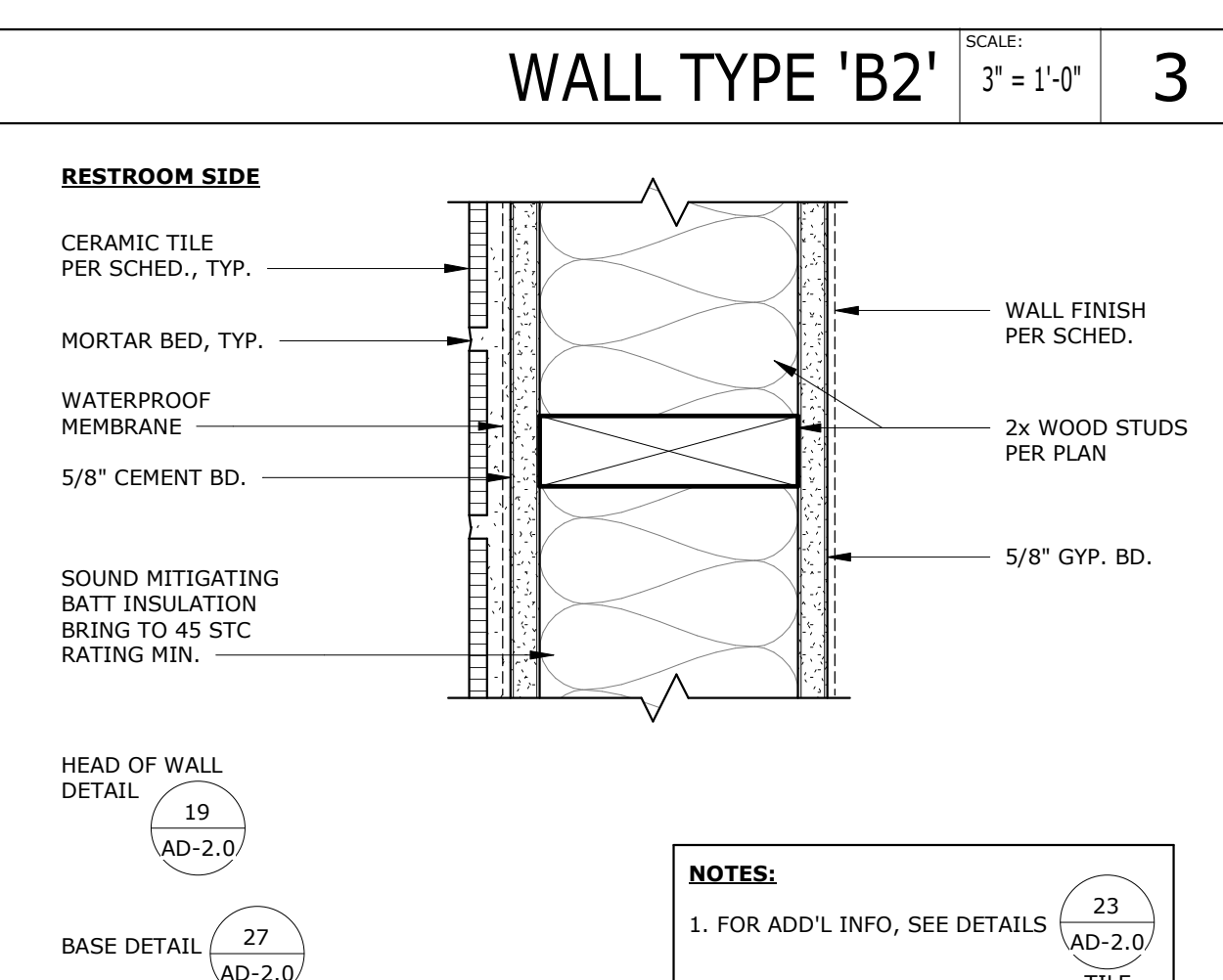
EXT. WALL CURB SCALE: 1/2\"/>



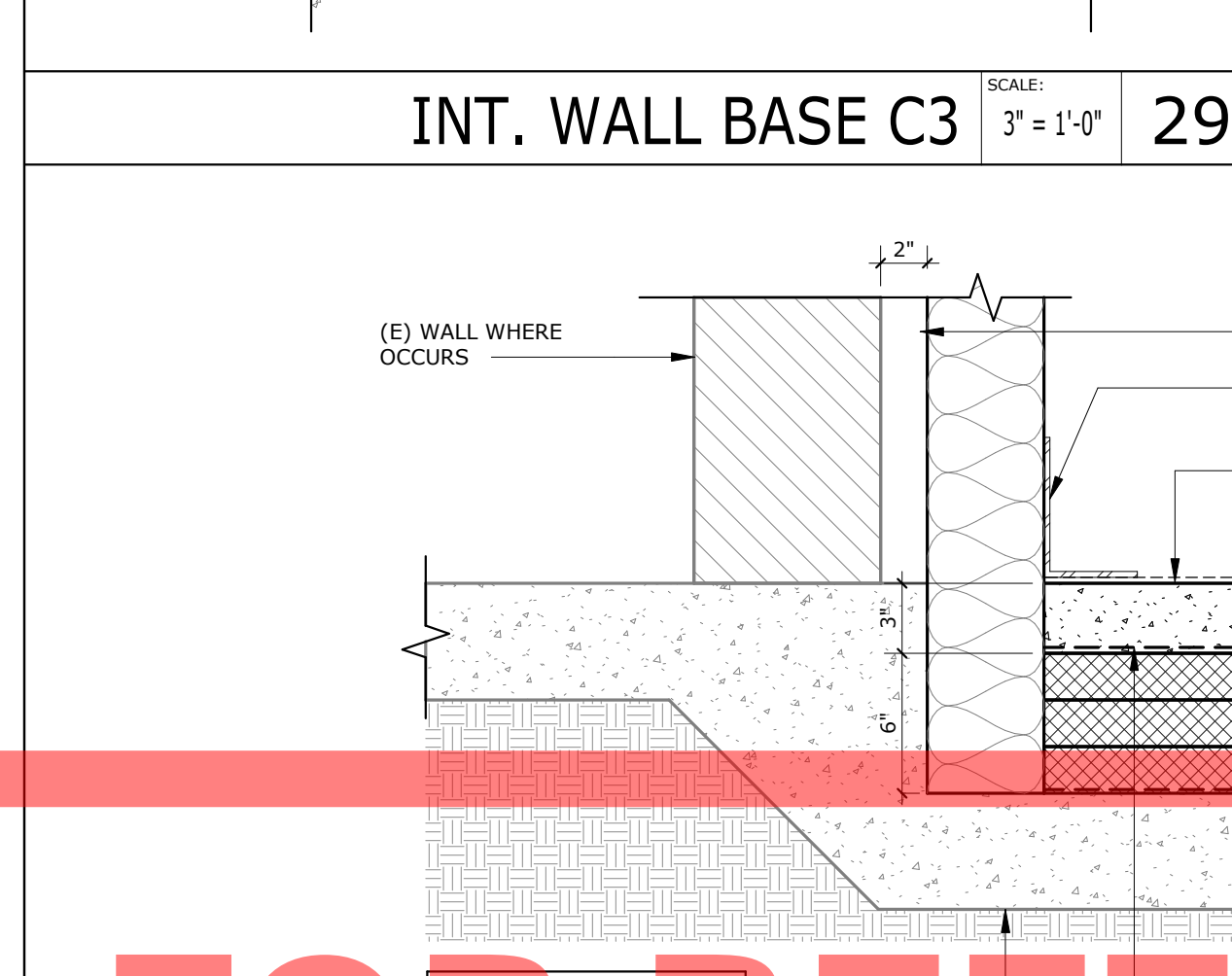
(N) WALL @ INT. INTERSECTION SCALE: 3\"/>



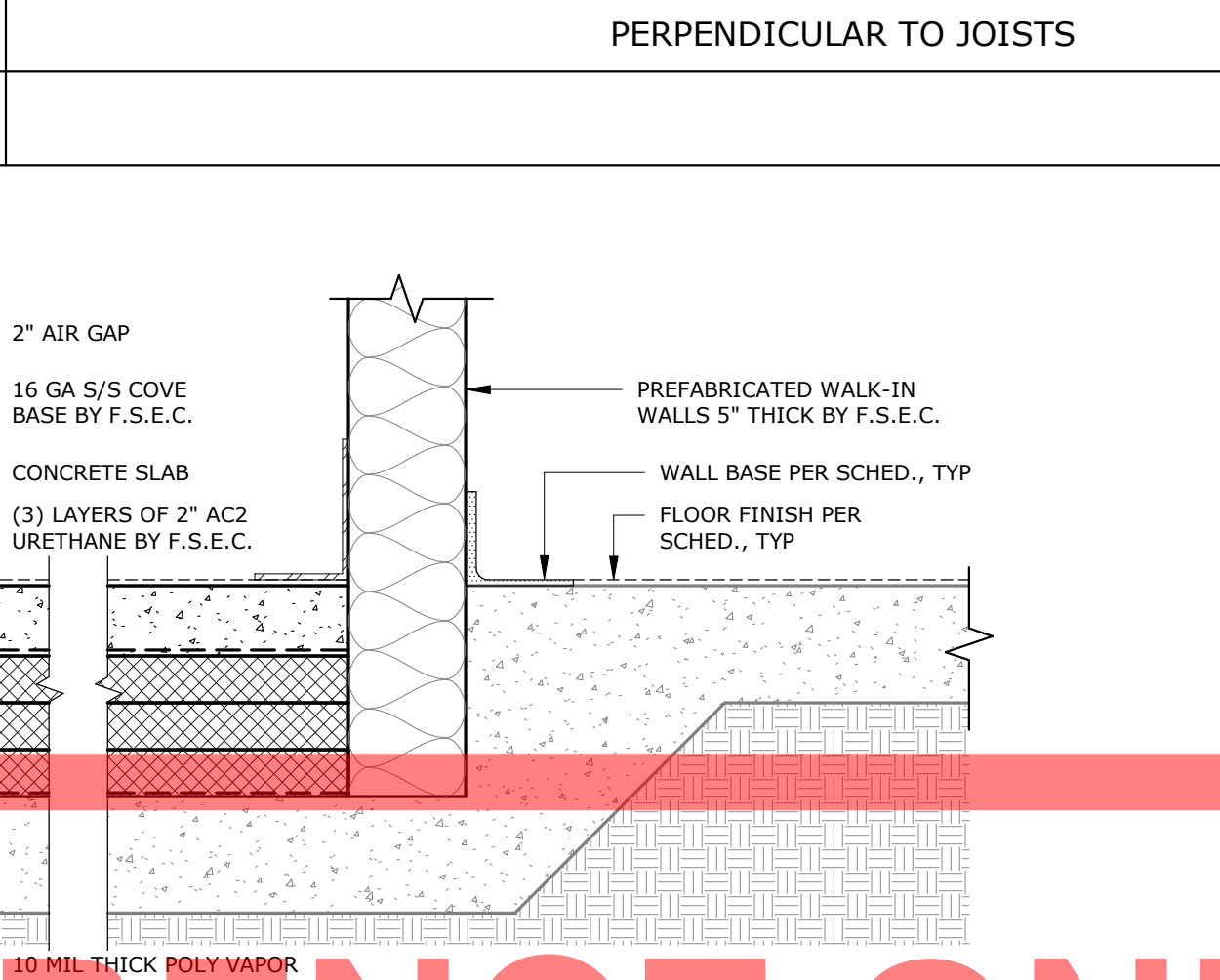
WALL TYPE 'C5' SCALE: 3\"/>



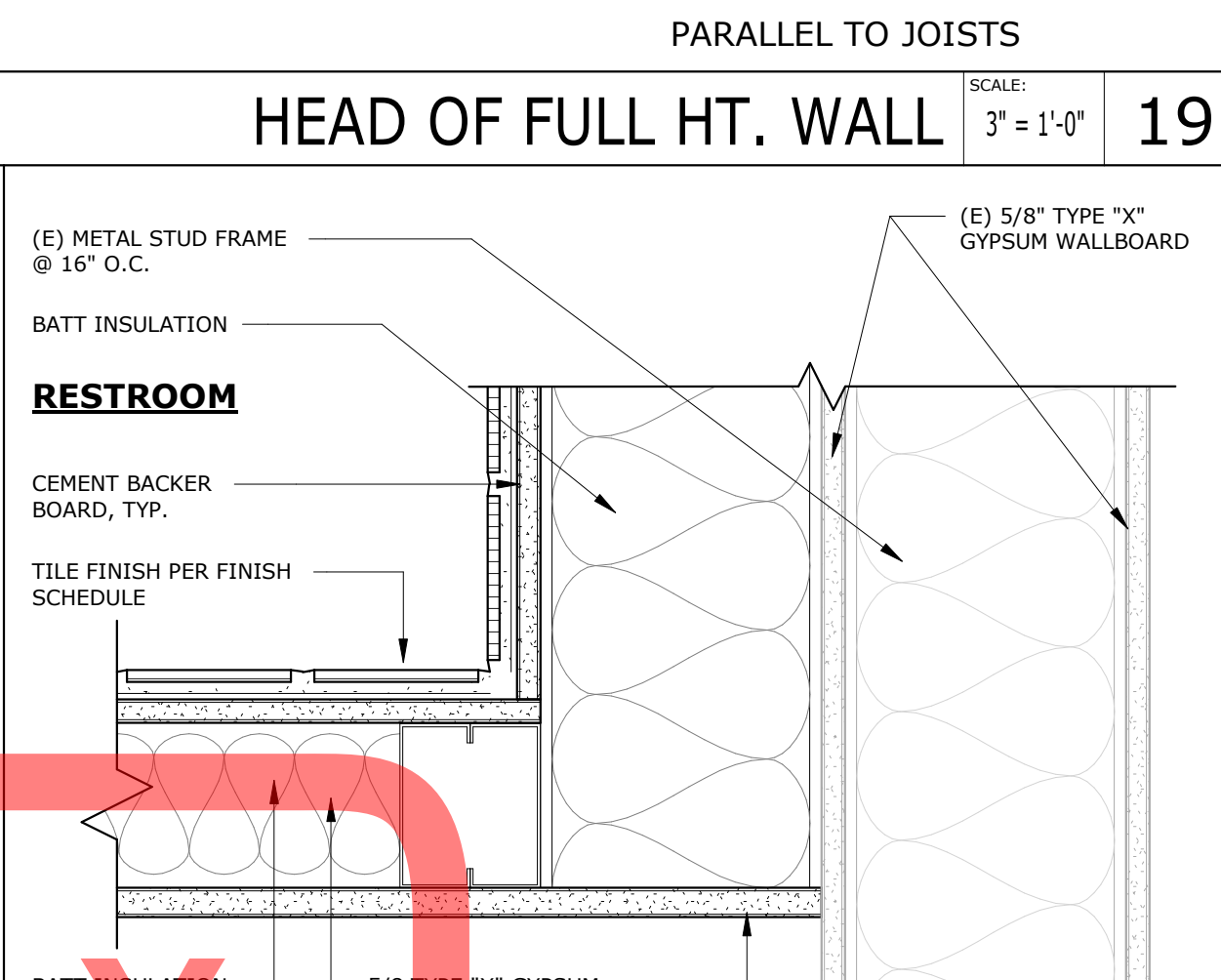
WALL TYPE 'B2' SCALE: 3\"/>



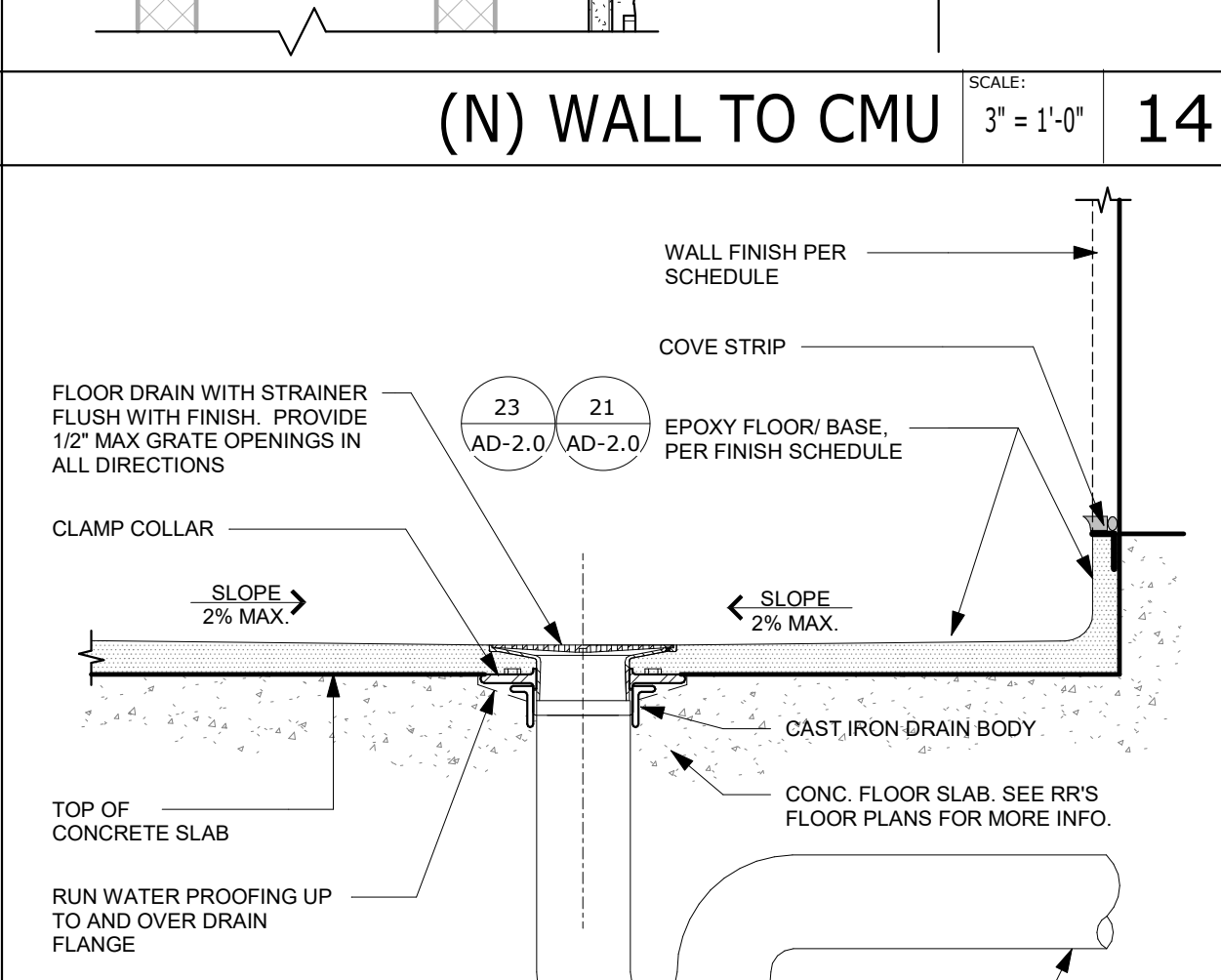
INT. WALL BASE 'C3' SCALE: 3\"/>



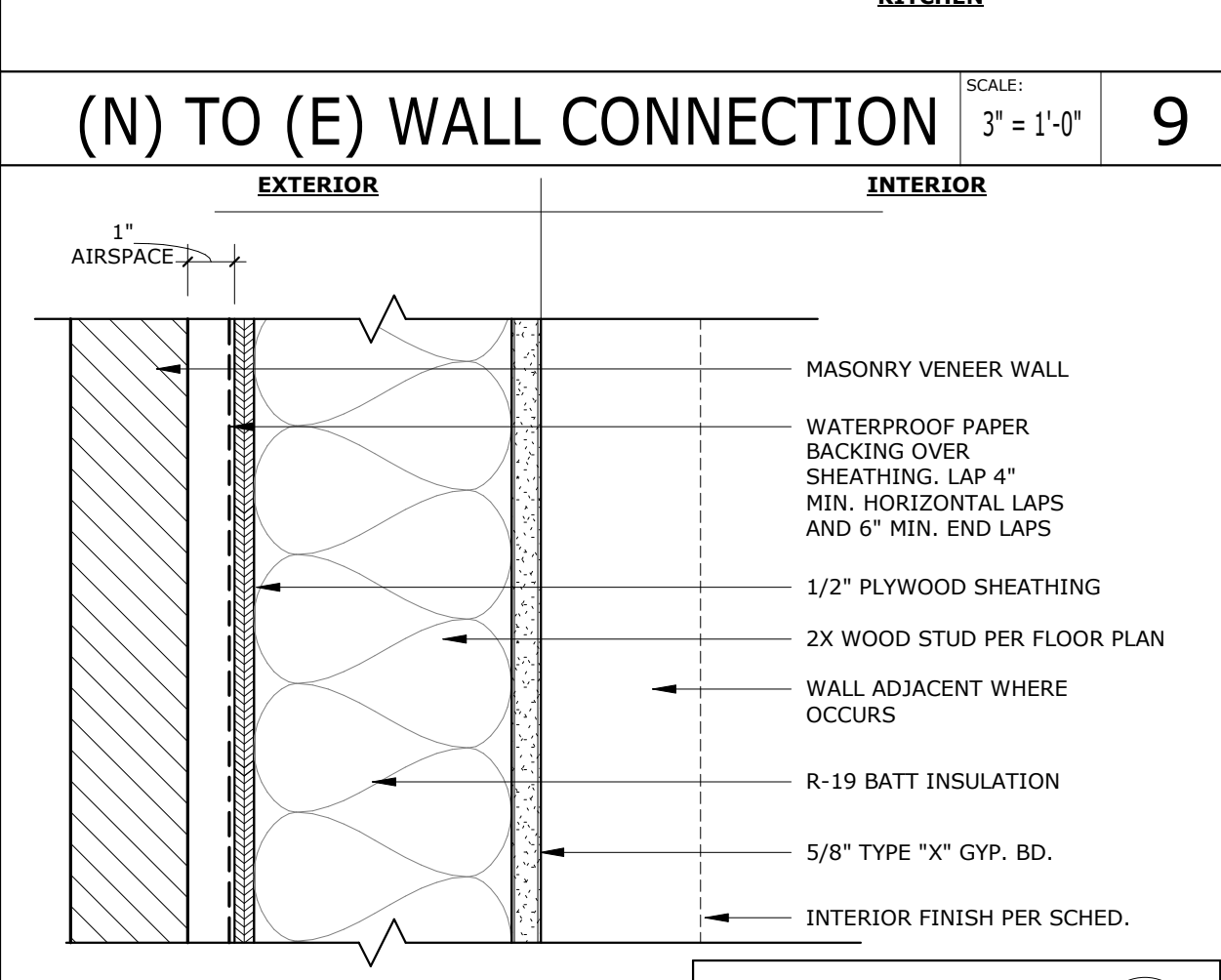
WALK-IN FLOOR 9\"/>



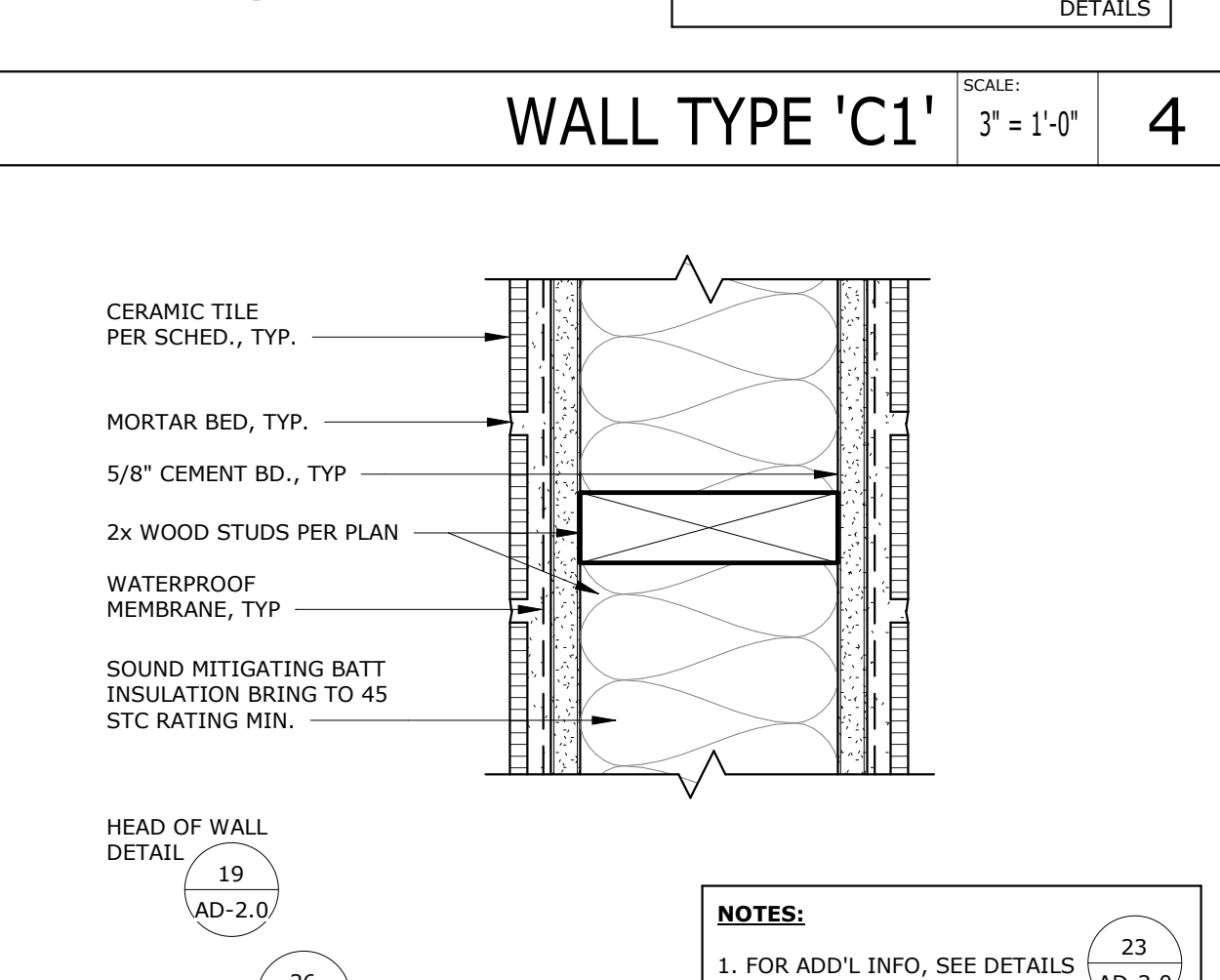
HEAD OF FULL HT. WALL SCALE: 3\"/>



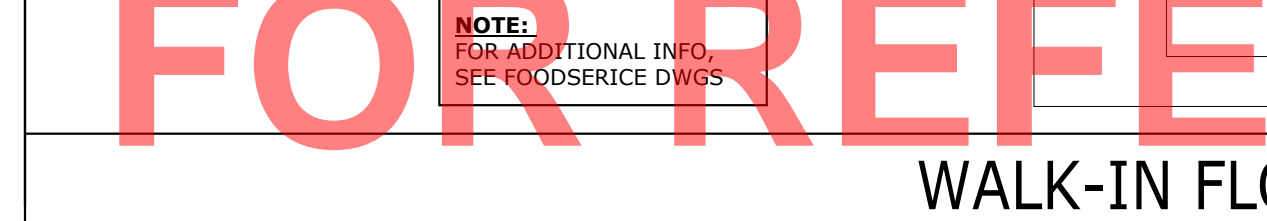
(N) WALL TO CMU SCALE: 3\"/>



(N) TO (E) WALL CONNECTION SCALE: 3\"/>



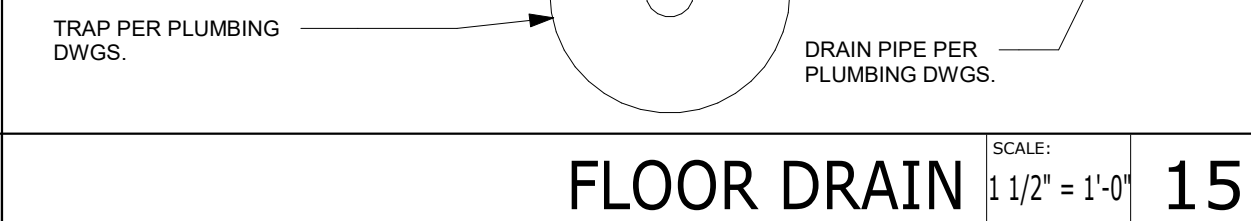
WALL TYPE 'C1' SCALE: 3\"/>



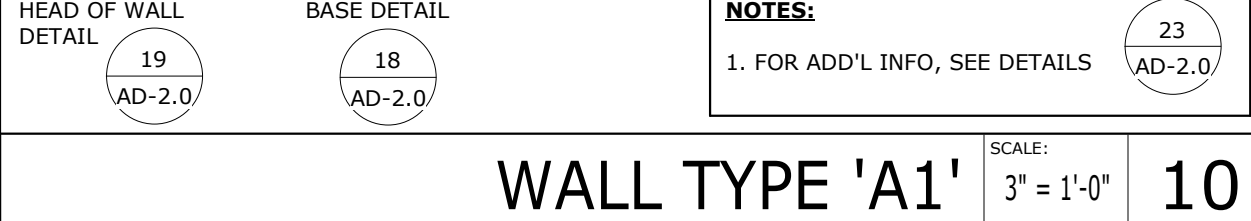
WALK-IN FLOOR 9\"/>



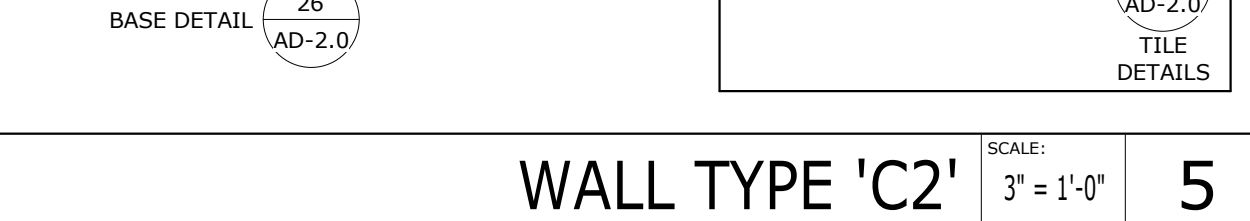
(N) TO (E) WALL INTERSECT. SCALE: 3\"/>



FLOOR DRAIN SCALE: 1/2\"/>



WALL TYPE 'A1' SCALE: 3\"/>



WALL TYPE 'C2' SCALE: 3\"/>

PROJECT NO: 11-10-402
7/5/2024 2:16:45 PM

DATE	BY	CHECKED BY	DESCRIPTION

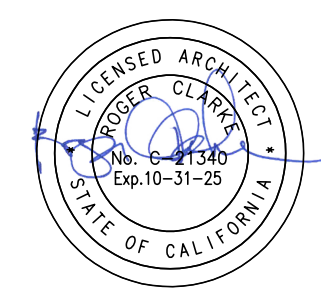
FOR REFERENCE ONLY

RESTROOM

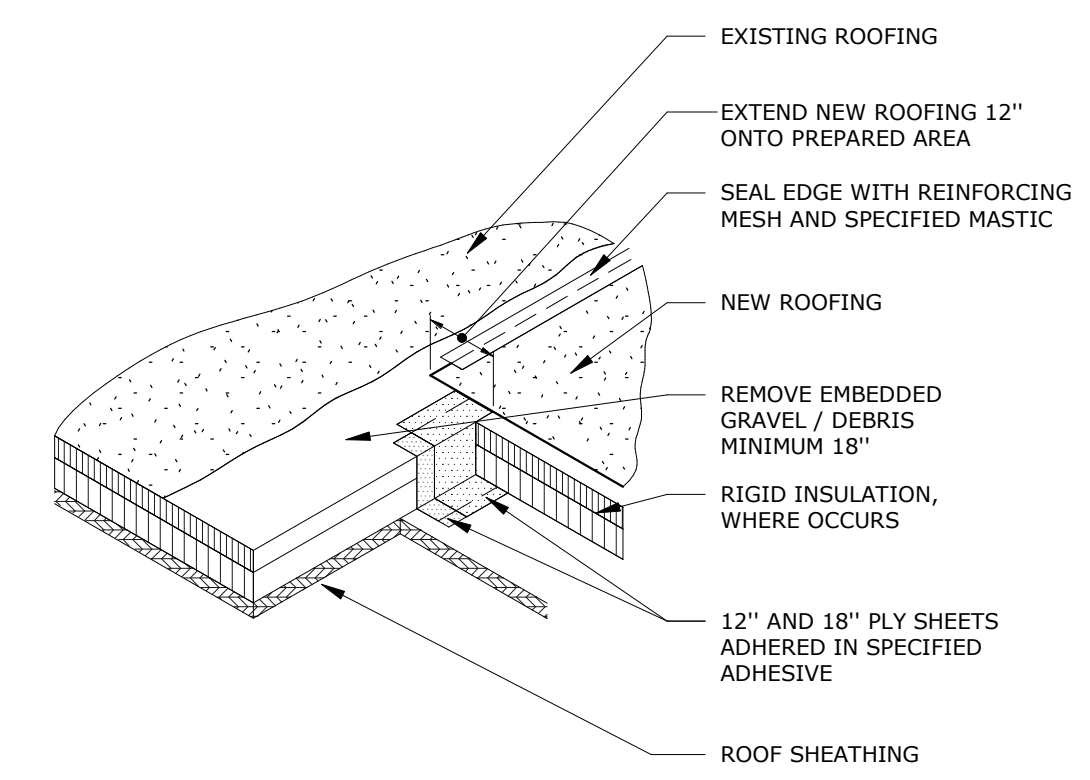
STORAGE

RESTROOM

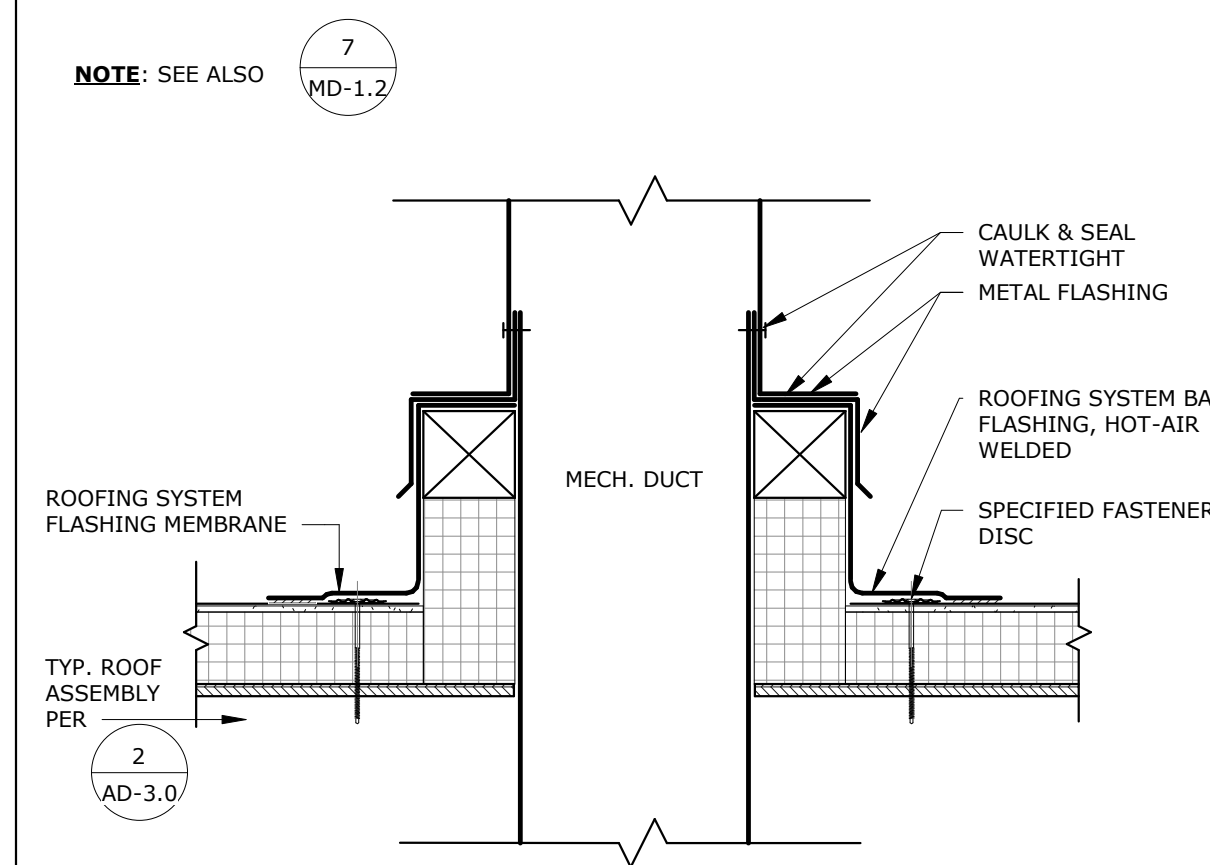
KITCHEN



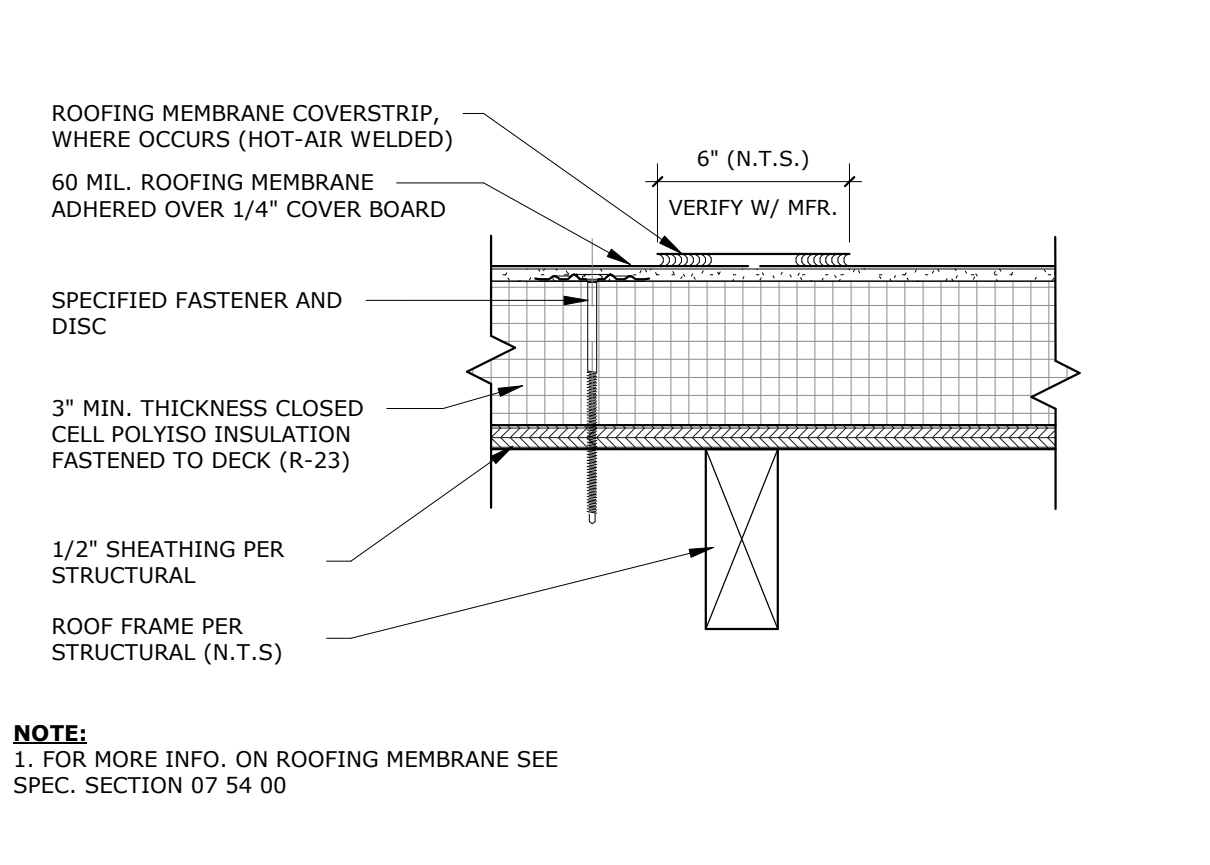
RUHNAU
CLARKE
ARCHITECTS



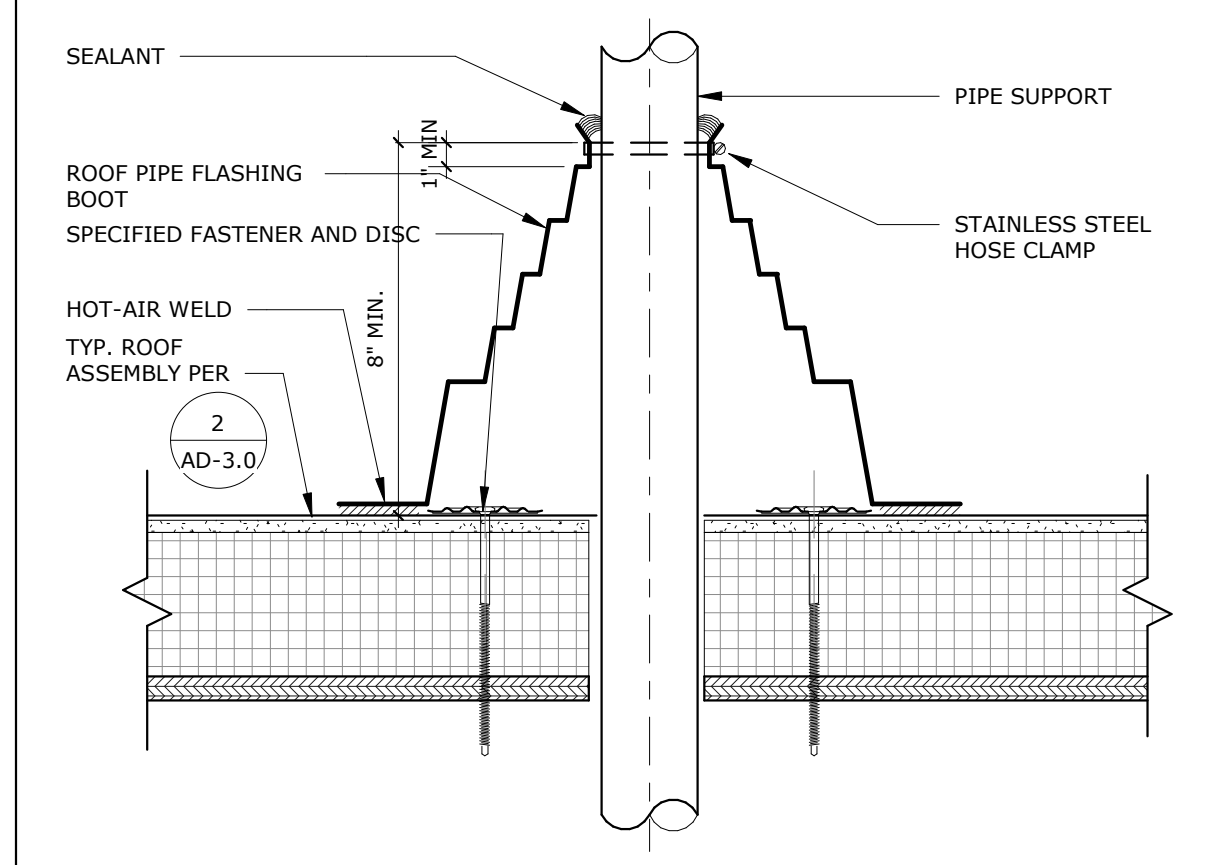
ROOFING TIE-IN SCALE: 1 1/2" = 1'-0" 6



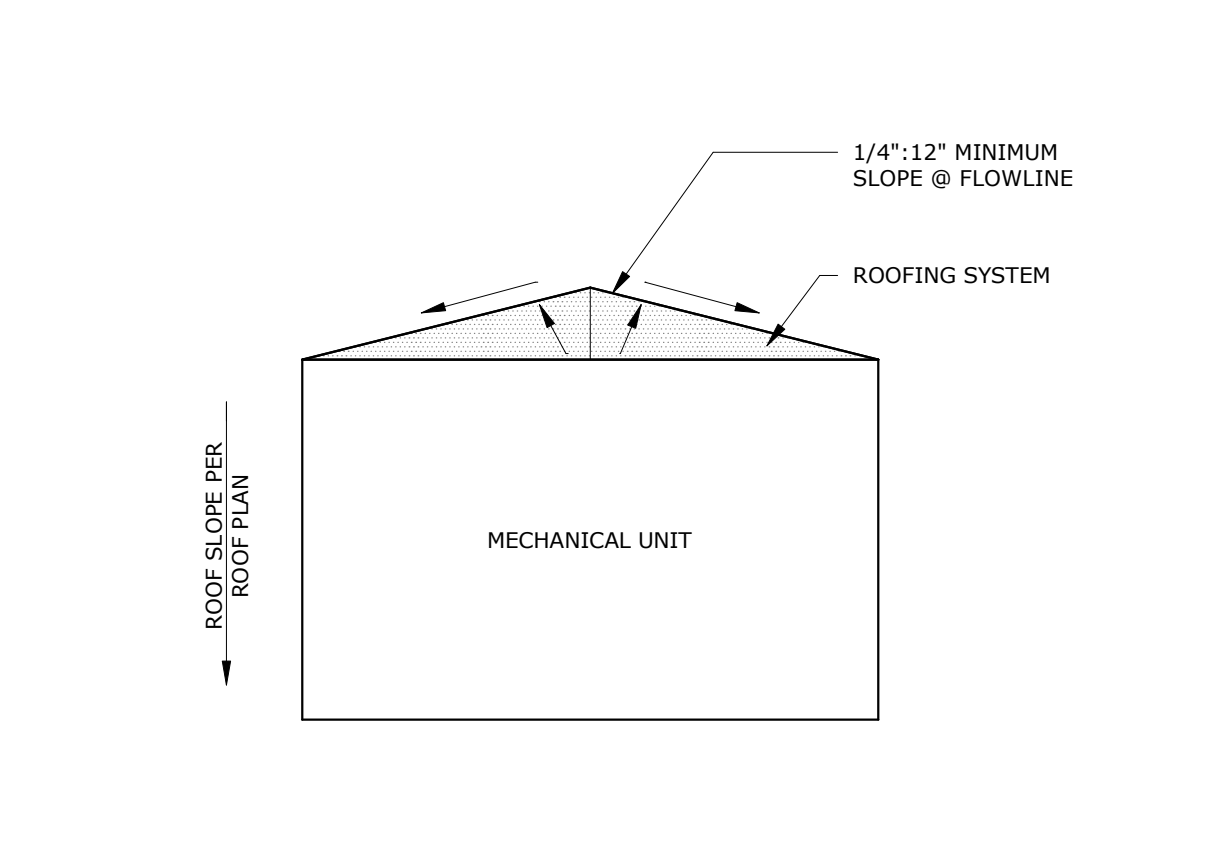
ROOF DUCT PENETRATION SCALE: 1 1/2" = 1'-0" 7



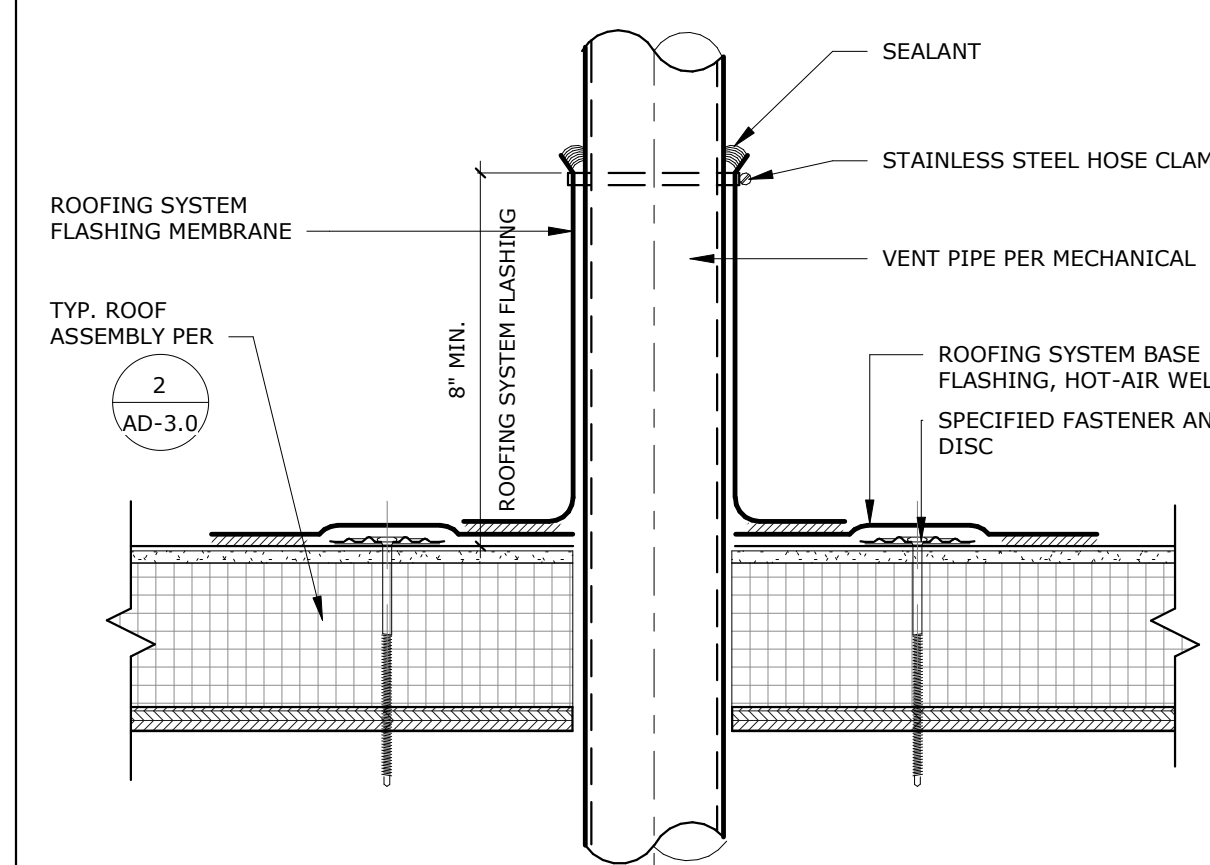
TYP ROOF ASSEMBLY SCALE: 3" = 1'-0" 2



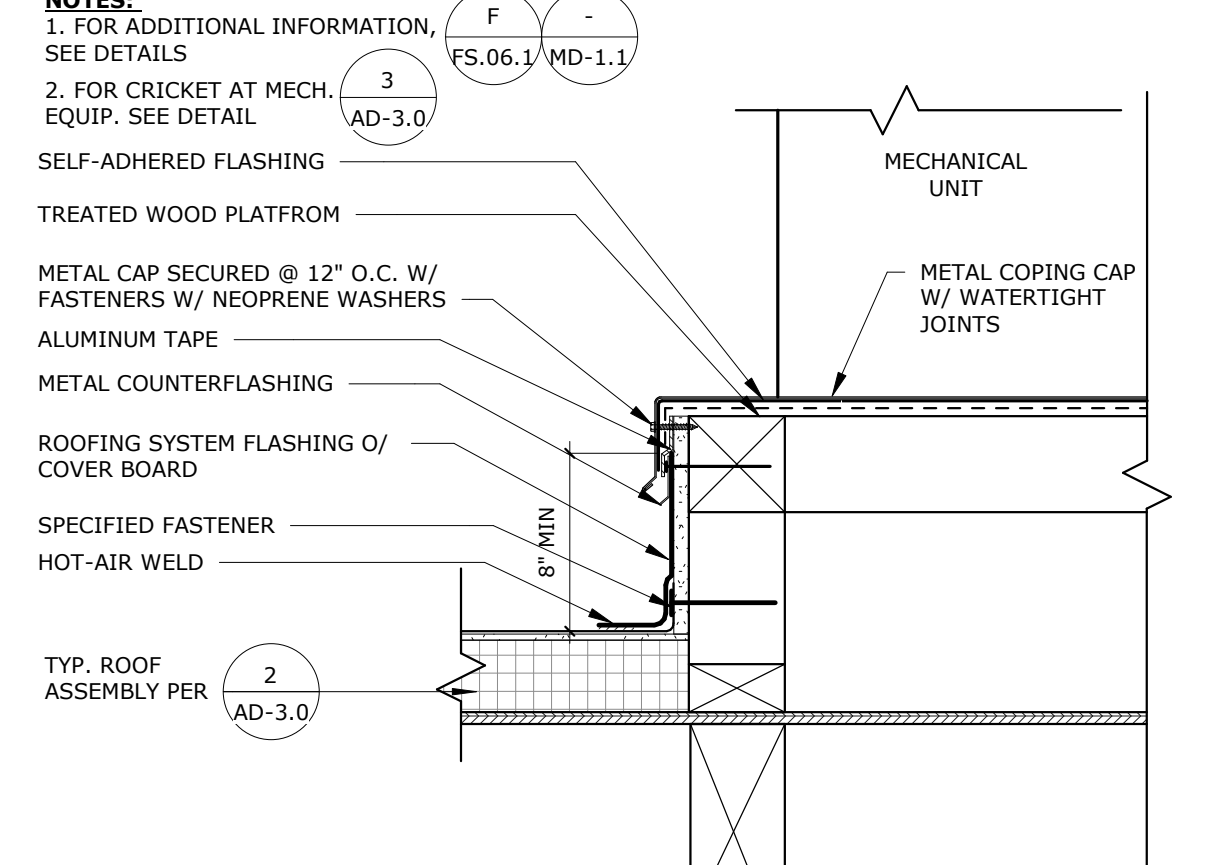
ROOF - BOOT FLASHING SCALE: 3" = 1'-0" 8



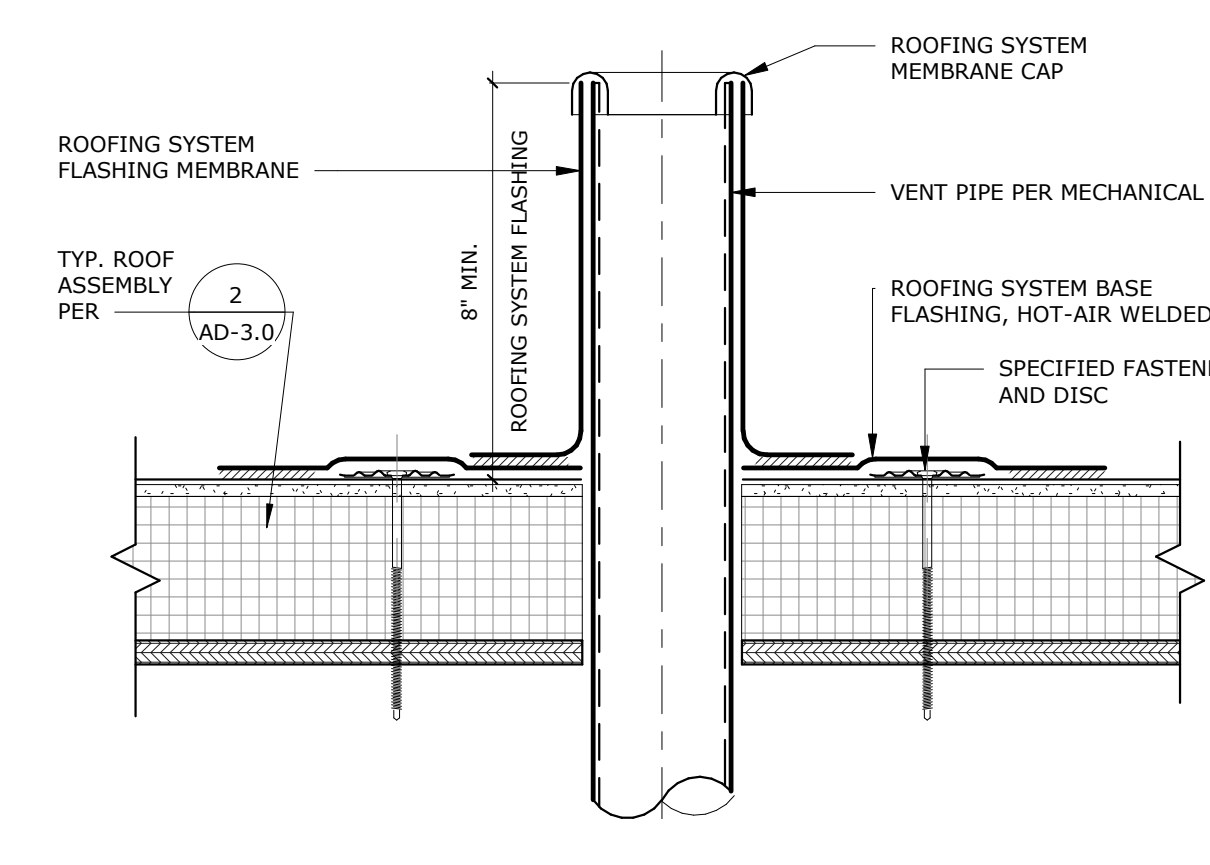
TYP. CRICKET @ MECH CURB SCALE: 1 1/2" = 1'-0" 3



ROOF PIPE PENETRATION SCALE: 3" = 1'-0" 9



MECHANICAL PLATFORM SCALE: 1 1/2" = 1'-0" 4



ROOF VENT SCALE: 3" = 1'-0" 5

FOR REFERENCE ONLY

PROJECT No. :1-10-402
7/5/2024 2:16:45 PM

DRAWN BY	DATE	CHECKED BY	DATE
DELTA #	DATE	ADD	INFO
DELTA #	DATE	ADD	INFO
DELTA #	DATE	ADD	INFO

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92503 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

ROOF DETAILS

AD-3.0

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

1. MATERIALS: Materials are to comply with CBC Section 2508 and applicable ASTM standards. Gypsum wallboard is either 1/2 inch or 5/8 inch in thickness. Cold-formed steel sections specified in this IR are identified by a product designator which has been standardized by the American Iron and Steel Institute (AISI) in collaboration with the Steel Stud Manufacturers Association (SSMA).

2. DESIGN: The prescriptive requirements of this IR shall be taken as the minimum requirements and apply to a ceiling that is not accessible, has a single layer of gypsumboard not exceeding 5/8" thick, and has a total ceiling weight not to exceed four (4) pounds per square foot (psf). A ceiling that is required by CCR Title 24 to be accessible, or otherwise does not meet these limitations, shall be designed to meet the applicable requirements of CBC Sections 1607A and 2509.1, and ASCE7-16, Section 13.3.1.

3. DETAILS OF CONSTRUCTION:

3.1 General: Gypsum board ceilings shall not support building components other than air conditioning/heating grills or light fixtures. All such components shall be supported either directly from main runners, or by supplemental framing which is supported by main runners. No vertical loads other than gypsum board dead load shall be applied to cross-furring.

3.2 Vertical Support System: There are many possible variations of main runner sizes, spacings, and spans listed in ASTM C754-04, Table 7. All of the combinations are acceptable, provided the main runner spacing does not exceed 4'-0" and the ceiling area supported by a hanger wire does not exceed 16 square feet.

GYPSUM BOARD CEILING SUSPENSION CONVENTIONAL CONSTRUCTION - ONE LAYER

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

3.2.1 Main Runner Spacing and Span: The main runner most frequently used is a 1 1/2 inch cold rolled channel designated 150U050-54 (1-1/2 inch cold rolled channels weighing 0.414 lbs/ft) spaced no more than 4'-0" o.c. with a hanger wire spacing not to exceed 4'-0" o.c. and no more than 6" from each end of the main runner.

3.2.2 Vertical Hanger Wires: Ceiling wires shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #9 gage (0.148" diameter) with soft temper and minimum tensile strength = 70 ksi.

3.2.3 Cross-furring: 7/8 inch galvanized steel hat sections, designated 087F125-18, at 24 inches o.c. maximum.

3.3 Connecting Hanger Wires, Steel Framing and Furring:

3.3.1 Hanger wires shall be saddle-tied to the main runners per IR 25-2.13 Figure 3A(F).

3.3.2 Cross furring shall be saddle-tied to the main runners with at least one strand of #16 gage, or two strands of #10 gage tie wire.

3.3.3 Main runners shall be spliced by lapping and interlocking flanges and installing two (2) #8 screws at each end of splice. The lap must be a minimum of 12 inches long.

3.3.4 Cross furring shall be spliced by lapping and interlocking the pieces and installing two (2) #8 screws at each end of splice. The lap must be a minimum of eight (8) inches long.

3.4 Installation and Anchoring of Hanger and Bracing Wires: Fasten hanger wires with not less than three (3) tight turns within a distance of three inches. Hanger wire loops shall be tightly wrapped and sharply bent to prevent any vertical movement or rotation of the member within the loops (see ASTM E580, Section 5.2.7.2.). Fasten bracing wires with four (4) tight turns within a distance of one and one-half (1-1/2) inches. Hanger and bracing wire anchors shall be installed in such a manner that the direction of the anchor aligns as closely as possible with the direction of the wire.

3.4.1 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.

3.4.2 When drilled-in concrete anchors or power actuated fasteners are used in reinforced concrete for hanger wires, 1 out of 10 must be field tested for 200 lbs. in tension. When drilled-in concrete anchors are used for bracing wires, 1 out of 2 must be field tested for 440 lbs in tension. Power actuated fasteners in concrete are not permitted for bracing wires. If any power actuated fastener or drilled-in anchor fails, see 2013 CBC Section 1912A.7.1 or 1913.2.11.1.*

Note: Drilled-in anchors or power actuated fasteners embedment depth shall be limited in prestressed concrete to not impinge tensioned reinforcement or special procedures shall be developed to locate and clear tensioned reinforcement.

3.4.3 Provide trapeze or other supplementary support members at obstructions to typical hanger spacing. Provide additional hangers, struts or braces as required at all ceiling breaks, soffits or discontinuous areas. Hanger wires that are more than 1 in 6 out of plumb are to have counter-sloping wires.

GYPSUM BOARD CEILING SUSPENSION CONVENTIONAL CONSTRUCTION - ONE LAYER

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

4. CEILING FIXTURES, TERMINALS, AND DEVICES:

4.1 All recessed or drop-in light fixtures, as well as ceiling mounted mechanical air terminals and services, shall be supported directly by main runners or by supplemental framing which is supported by main runners and positively attached with screws or other approved connectors to resist a horizontal force equal to the weight of the component.

A minimum of two attachments are required at each fixture and component.

4.2 Surface mounted fixtures shall be attached to a main runner with a positive clamping device made of material with a minimum of 14 gage. Rotational spring clamps do not comply.

4.3 Light fixtures, grilles, mechanical terminals, and flexible sprinkler hose fittings or other services weighing greater than 20 lbs. must be independently supported by not less than two (2) but #12 gage wires where less than 56 pounds, and four (4) but #12 gage wires where greater than or equal to 56 pounds, and attached to the housing and to the structure above. The wires, including their attachment to the structure above, must be capable of supporting four (4) times the weight of the unit.

4.4 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling per Section 4.1 of this IR. Devices weighing more than 20 lbs. shall be supported from the structure above per Section 4.3 of this IR.

4.5 Penetrations through the ceiling for sprinkler heads and other similar devices that are not integrally tied to the ceiling system in the lateral direction shall have a two (2) inch oversized hole, sleeve or adapter through the ceiling tile to allow free movement of one (1) inch in all horizontal directions. Alternatively, per ASTM E590, Section 5.2.8.5, a flexible sprinkler hose fitting that can accommodate 1 inch of ceiling movement shall be permitted to be used in lieu of the oversized ring, sleeve, or adapter.

4.6 Access Panels: Access to the space between the ceiling and the floor or roof above shall not be allowed. Small access panels for the inspection, adjustment or repair of utility switches, valves, sensor, etc. may be allowed if the panel is less than 300 square inches. Such panels shall also have a permanently attached warning label as follows: "Warning: 1) Do not climb, walk, or crawl on the gypsum board ceiling panels or metal framing. 2) Do not store or stow anything on the gypsum board ceiling panels or metal framing." If fire fighter access is required per CBC Section 1209.2 in attics of combustible construction, the prescriptive suspended ceiling system prescribed in this IR is not applicable, and the ceiling shall be framed and designed for such loading.

5. LATERAL SYSTEM:

A gypsum board ceiling greater than 144 square feet in area shall be designed to resist its own seismic loads, per Section 2 above, and shall not be permitted to be used to resist primary structural loads or other loads. There are two optional lateral systems for this purpose:

- The brace wire system, per Section 5.1.
- The diaphragm system, per Section 5.2.

Either or both options may be shown on plans or noted in the specifications.

GYPSUM BOARD CEILING SUSPENSION CONVENTIONAL CONSTRUCTION - ONE LAYER

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

Notes:

- If both options are shown on the plans or noted in the specifications, only one option can be used for each separate ceiling area.
- Fire-rated systems shall be installed per rated listing (i.e. UL Factory Mutual, etc.) and manufacturers' instructions, and the rated listing may dictate the optional lateral system used.

5.1 Brace Wire System: Lateral force bracing assemblies shall consist of a compression strut and four (4) #12 gage spaced bracing wires oriented 90 degrees from each other (see IR 25-2.13 Figure 1). Lateral force bracing assemblies shall be spaced, per Table 1 for all values of the component importance factor (Ip) of the ceiling.

DESIGN SPECTRAL ACCELERATION PARAMETER S _{DS}	BRACE ASSEMBLY SPACING
GREATER THAN 1.15 AND LESS THAN OR EQUAL TO 1.73	8' X 12' FOR 2/h GREATER THAN 0.
S _{DS} = 1.42 PER STRUCTURAL	

Where, as defined in ASCE 7-10, Section 13.3.1:
 z = height in structure of point of attachment of ceiling with respect to the base.
 h = average roof height of the structure with respect to the base.
 Where different brace spacing is specified at various stories, the respective ceiling plan shall clearly indicate the brace spacing.

5.1.1 There shall be a brace assembly a distance of not more than one half of the above spacing from each surrounding wall, expansion joint and at the edge of any ceiling vertical offset. For example, where the brace spacing is 8'x12', the distance shall be 4 feet in the direction of the 8 foot spacing and 6 feet in the direction of the 12 foot spacing.

5.1.2 The slope of bracing wires shall not exceed 45 degrees from the plane of the ceiling and shall be taut.

Splices in bracing wires are not to be permitted without DSA approval.

5.1.3 Ceiling grid members may be attached to not more than two (2) adjacent walls. Ceiling grid members shall be at least 1 inch free of other walls. If walls run diagonally to ceiling grid system runners, one end of main and cross runners should be free, and a minimum of 1 inch clear of wall.

5.1.4 Suspended ceiling systems with an area of 144 square feet or less, surrounded by walls which connect directly to the structure above, do not require bracing assemblies when attached to at least two adjacent walls and the perimeter walls are designed to carry the ceiling lateral forces.

GYPSUM BOARD CEILING SUSPENSION CONVENTIONAL CONSTRUCTION - ONE LAYER

DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

5.2 Diaphragm System: A suspended gypsum board ceiling may be designed as a horizontal diaphragm to resist its own seismic loads as prescribed in this section. Gypsum board shall not be used in diaphragm ceilings to resist lateral forces imposed by partitions.

5.2.1 Diaphragm Ratios:
 Horizontal 2:1 maximum
 Vertical 1:1 maximum

5.2.2 A maximum diaphragm shear equal to 50 lbs/ft is allowed with 1 inch or 1-1/4 inch H-Lo Type S₁ or S-12, toggle head screws at 12 inches o.c. at all gypsum board edges (3/8 inch screw edge distance) and at intermediate supports. A wall constructed similarly can resist the same shear provided the gypsum board is on the same side of the studs as the ceiling is, and a positive connection between the ceiling and the wall is detailed. The gypsum board diaphragms are to resist lateral loads due to their own weight and/or the ceiling diaphragm(s) only.

5.2.3 Details are required providing for lateral load transfer from the gypsum board to shear walls, or other lateral load resisting elements, on all four sides of the diaphragm. There shall be no steps or vertical offsets in the ceiling plane.

6. DSA ACCEPTANCE OF EVALUATION REPORTS: At the discretion of the DSA, proprietary systems may be accepted under all the following conditions:

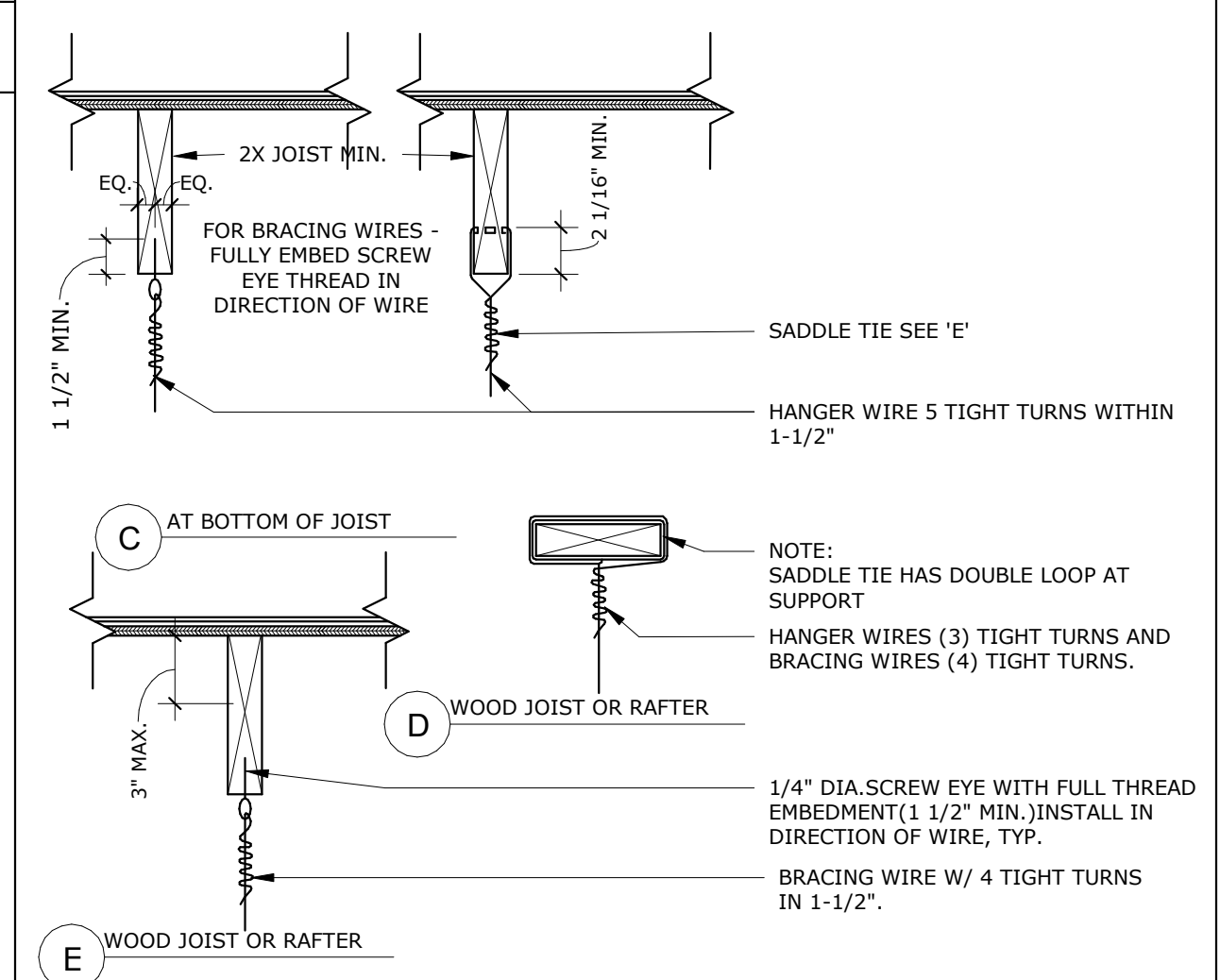
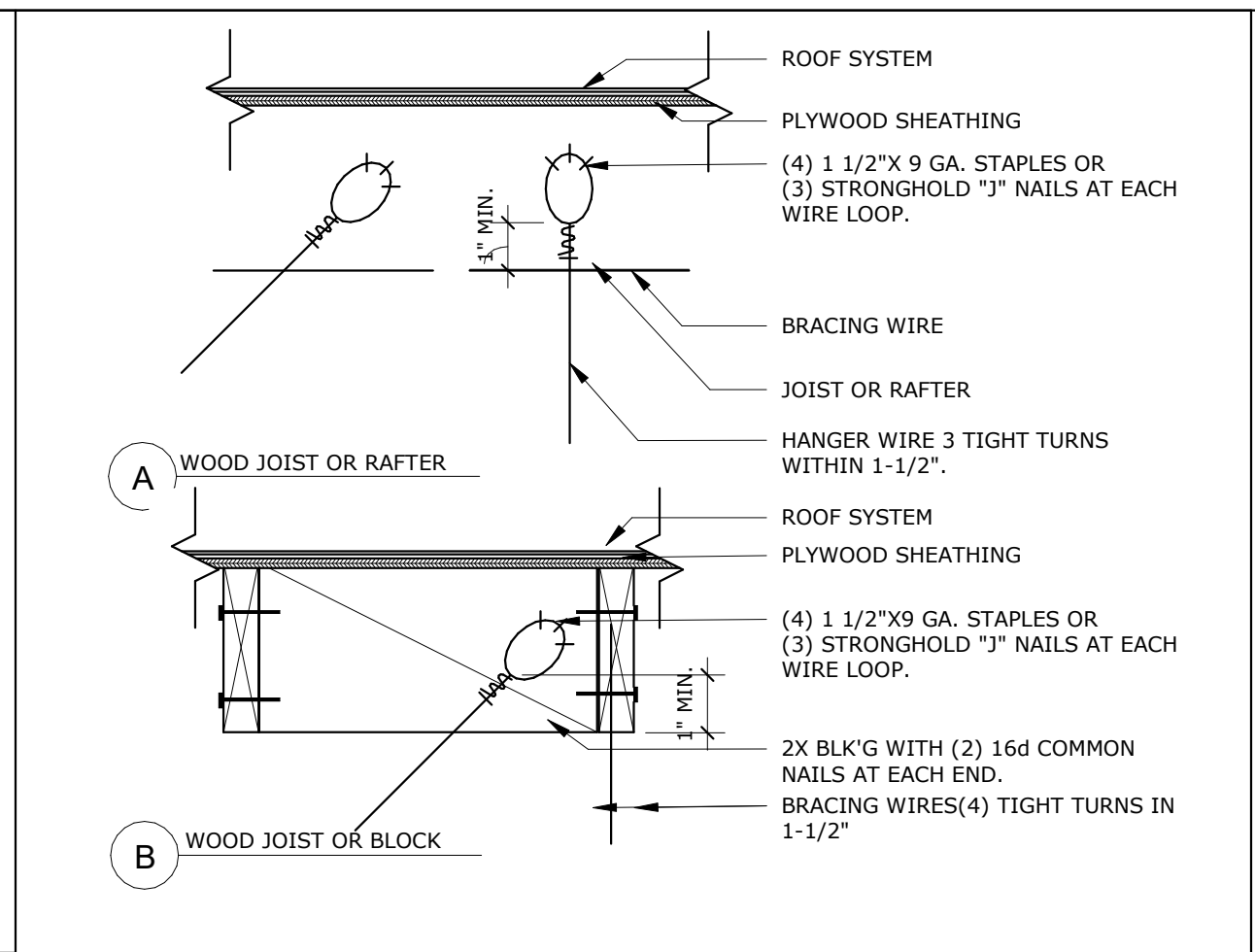
- Acceptance will be granted on a project specific basis.
- Proprietary systems must meet the requirements of the CBC.
- Proprietary systems must have valid evaluation reports meeting the provisions of DSA IR A-5.

In accordance with DSA IR A-5, DSA will accept OSHPD Preapproved Details (OPD) 2013 CBC Standard Gypsum Board Ceiling Details for Suspended and Joist Framing Construction.

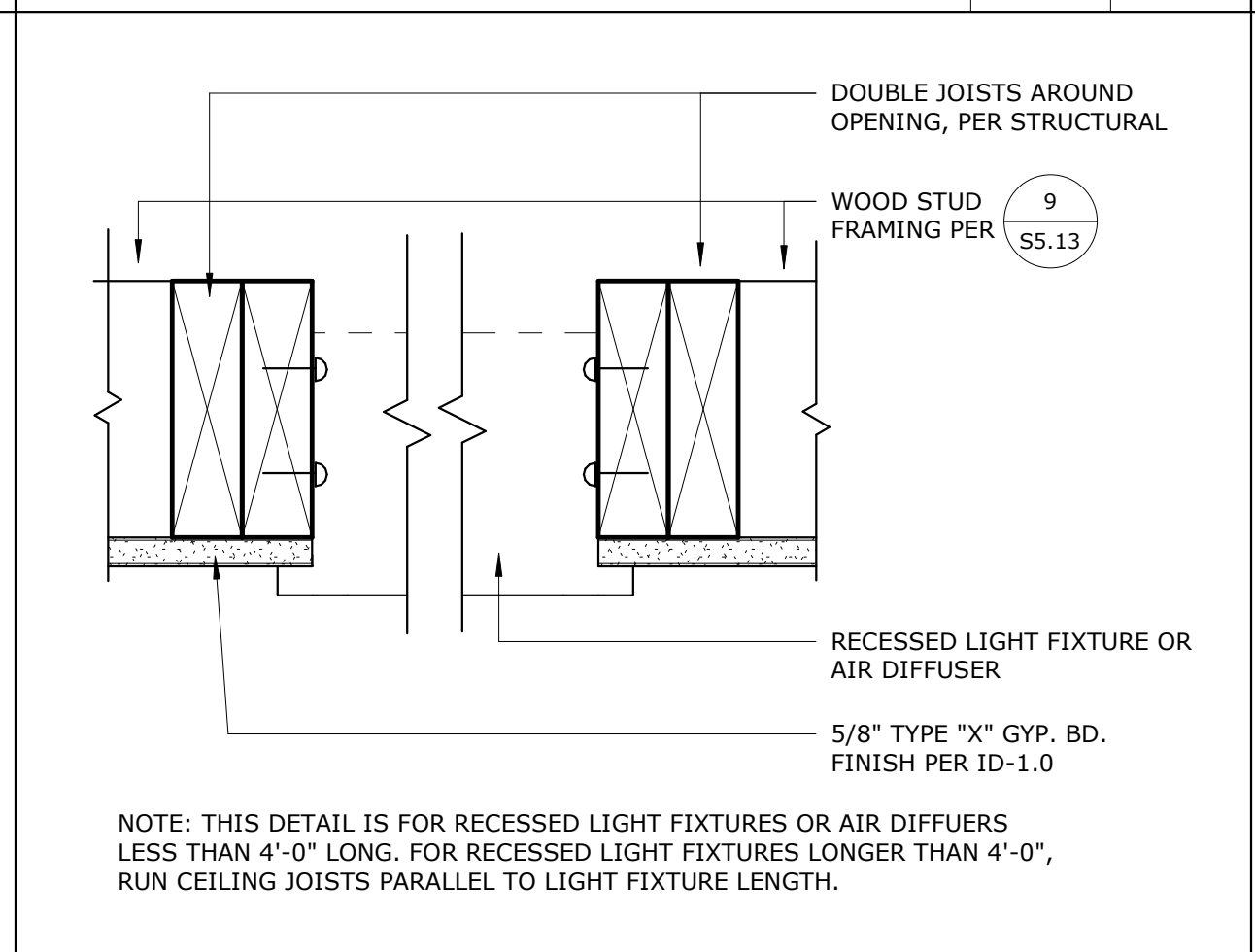
GYPSUM BOARD CEILING SUSPENSION CONVENTIONAL CONSTRUCTION - ONE LAYER
 CBC 2013
 (IR 25-3.13 Rev 04.08.14)

FOR REFERENCE ONLY

(IR 25-3.13 Rev 04.08.14) SCALE: 12' = 1'-0" 30



WIRE CONN. @ WOOD FRAME SCALE: 1 1/2" = 1'-0" 7



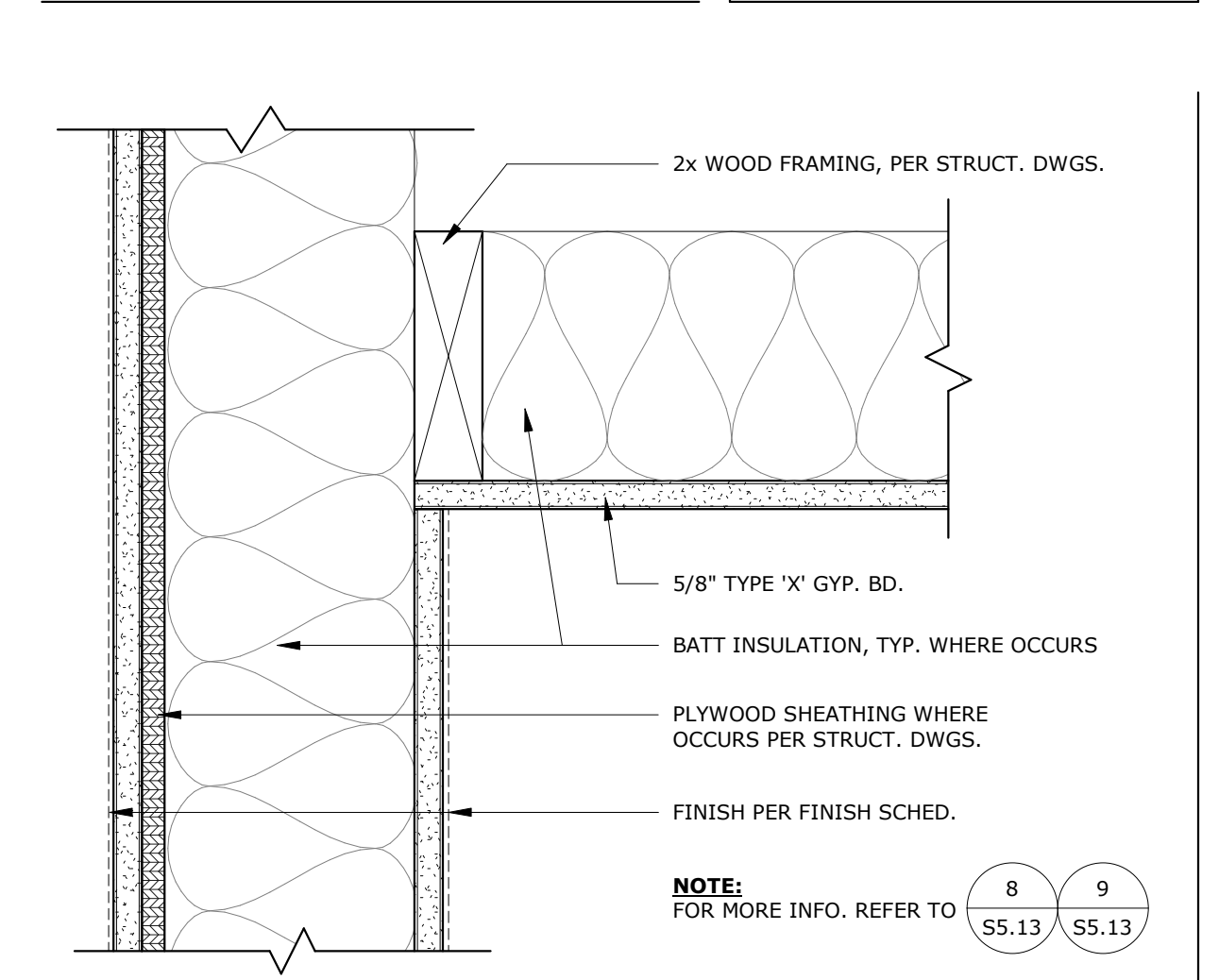
REC. LGHT FIXT/ AIR TERM SCALE: 3" = 1'-0" 8

UNIVERSITY ARCHITECTS
 1000 J ST. #100
 SACRAMENTO, CA 95811

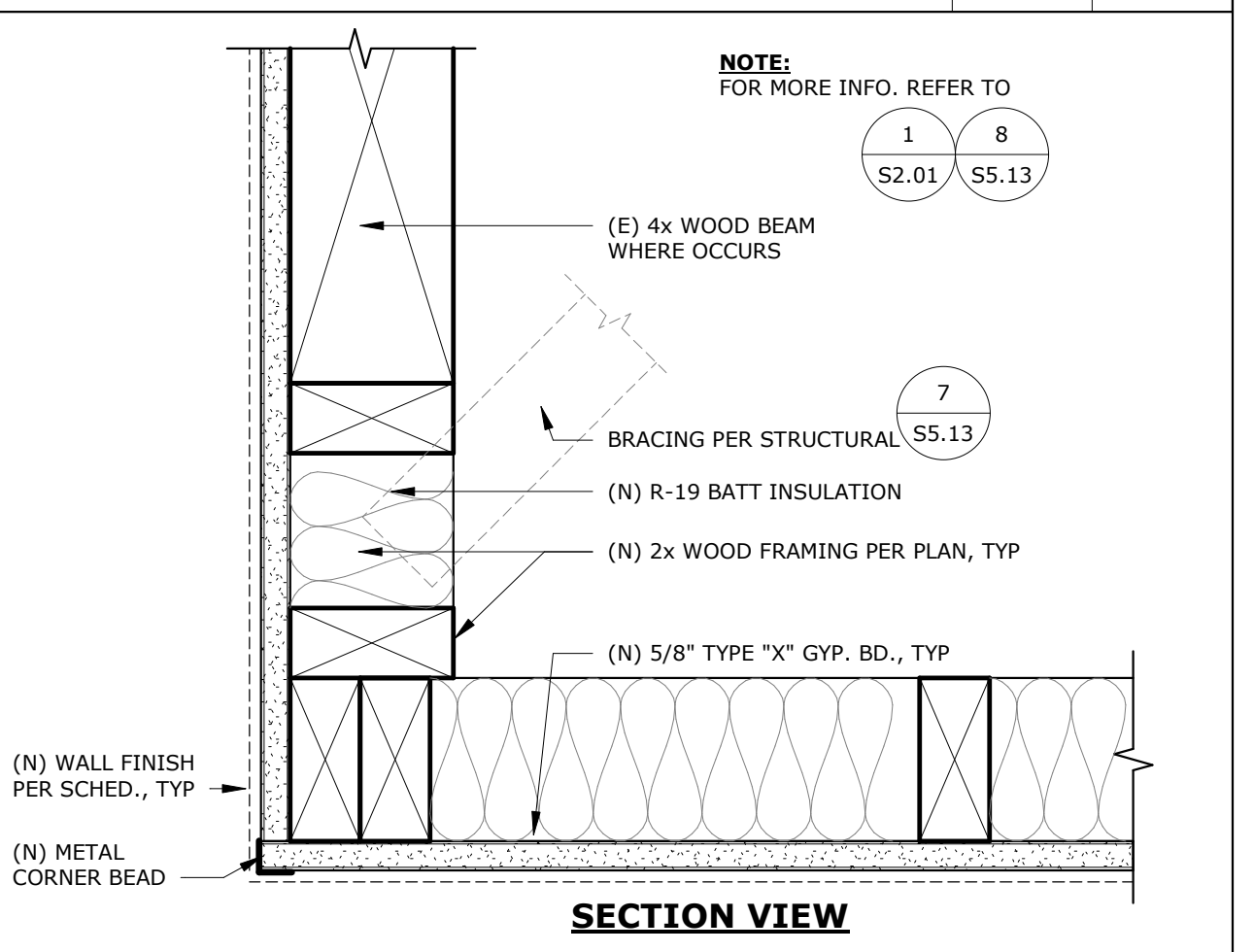
AGENCY APPROVAL
 FOR NO: 0000000000000000

RUHNAU CLARKE ARCHITECTS

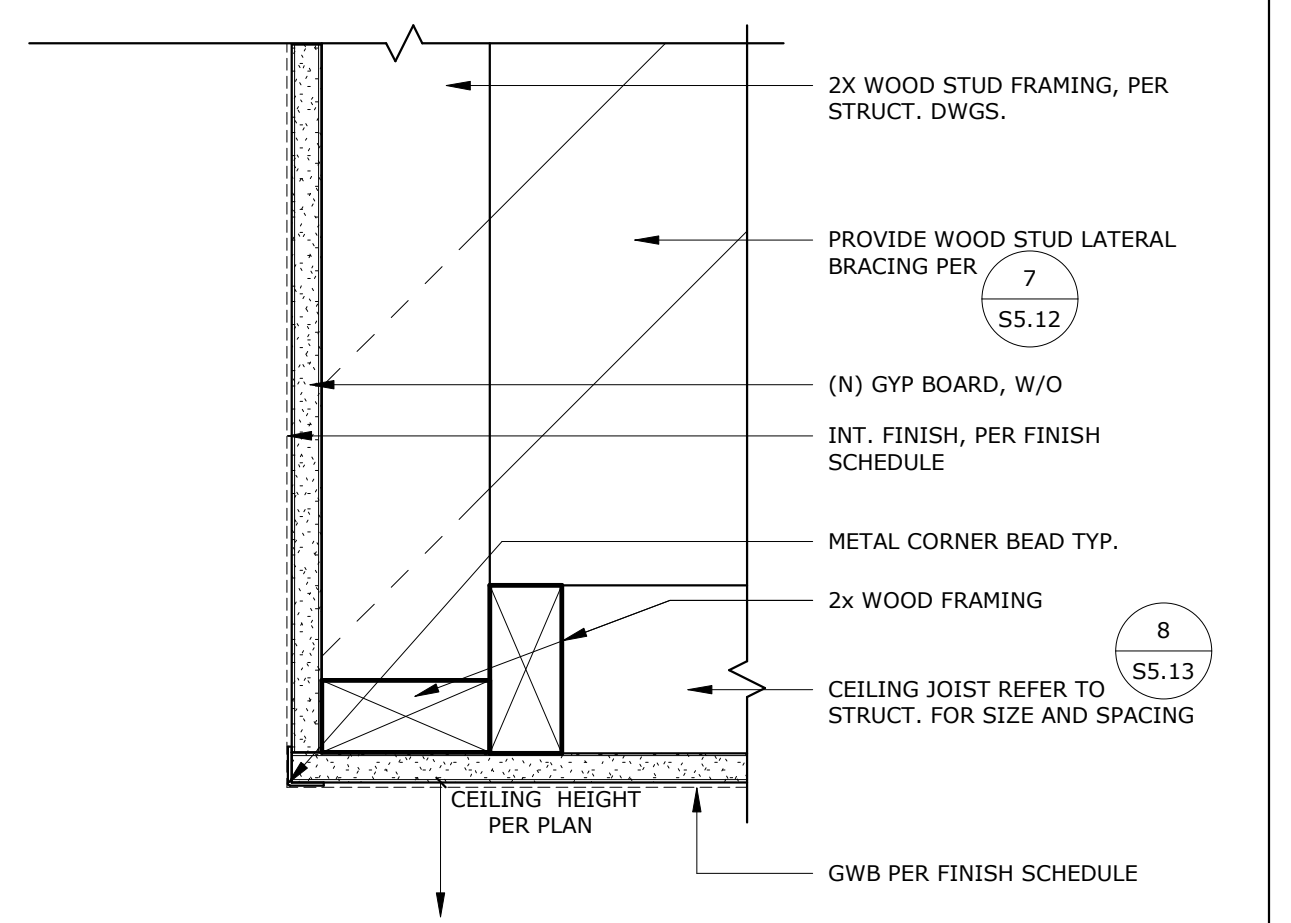
CONSULTANT BRANDING



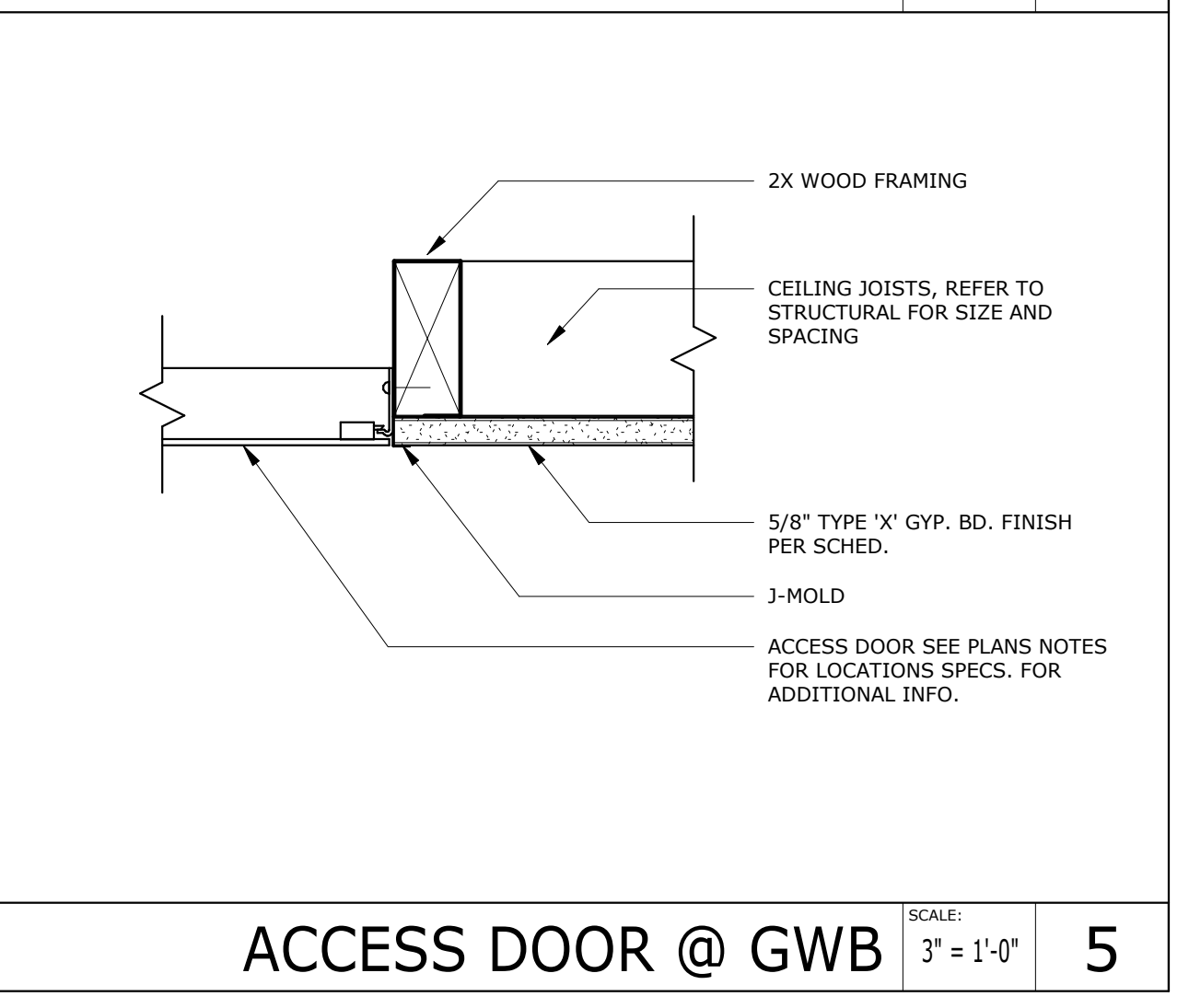
GYP. BOARD CEILING SCALE: 3" = 1'-0" 2



GWB SOFFIT SCALE: 3" = 1'-0" 3



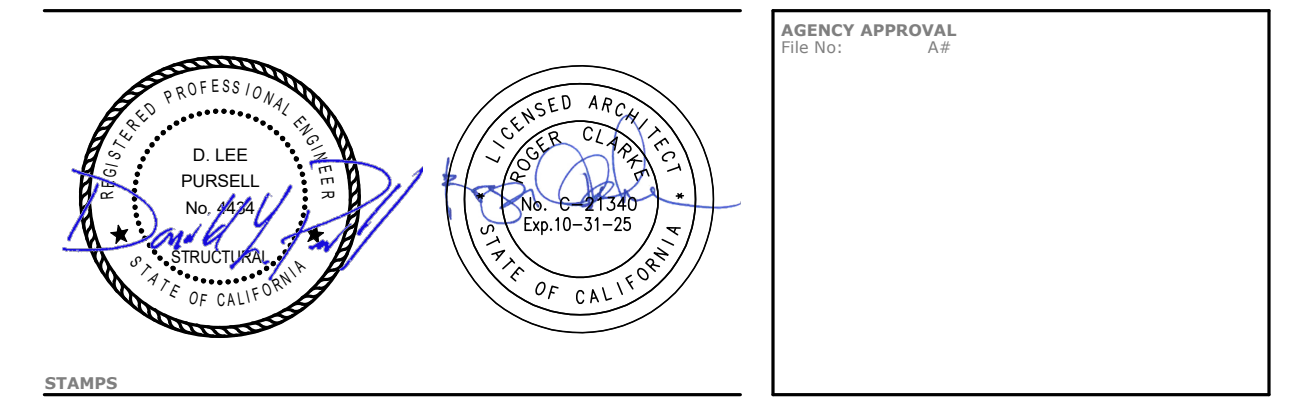
GWB TO GWB TRANSITION SCALE: 3" = 1'-0" 4



ACCESS DOOR @ GWB SCALE: 3" = 1'-0" 5

STRUCTURAL SPECIAL INSPECTIONS AND TESTING

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE



STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING

- SPECIAL INSPECTIONS AND TESTING SHALL BE PROVIDED BY A TESTING AND INSPECTION AGENCY EMPLOYED BY THE OWNER (OR OWNER'S AUTHORIZED AGENT), AND APPROVED BY THE BUILDING OFFICIAL TO PROVIDE SPECIAL INSPECTIONS AND TESTING FOR THE PARTICULAR TYPE OF CONSTRUCTION.
 - TABLES OF SPECIAL INSPECTIONS AND TESTING ARE DERIVED FROM THE STRUCTURAL PROVISIONS OF THE CBC AND REFERENCED STANDARDS AND ARE FOR REFERENCE ONLY. THE INCLUDED TABLES ARE PROVIDED FOR THE CONVENIENCE OF THE OWNER, TESTING AGENCY AND CONTRACTOR IN DEVELOPING THE SCOPE OF WORK FOR REQUIRED TESTING AND INSPECTION OF STRUCTURAL MATERIALS AND COMPONENTS. FINAL DEFINITION OF THIS SCOPE OF WORK IS TO BE DETERMINED BY THE TESTING AGENCY AND THE OWNER (OR OWNER'S AUTHORIZED AGENT).
 - FREQUENCY OF SPECIAL INSPECTIONS AND TESTING SHALL BE, AT A MINIMUM, AS NOTED FOR THE INDIVIDUAL ELEMENTS WITHIN THE TABLES BELOW. THE CONTRACTOR SHALL COORDINATE TIMING OF SPECIAL INSPECTIONS AND TESTING WITH THE SPECIAL INSPECTION AND TESTING AGENCY.
 - PRIOR TO THE START OF CONSTRUCTION, THE TESTING AND INSPECTION AGENCY SHALL PROVIDE DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING COMPETENCY AND RELEVANT EXPERIENCE OR TRAINING OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION, IN ACCORDANCE WITH CBC SECTION 1704A.2.1.
 - THE TESTING AND INSPECTION AGENCY SHALL SUBMIT REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER OF RECORD AND THE CONTRACTOR PER CBC SECTION 1704A.2.4. THE REPORTS SHALL INDICATE WHETHER WORK INSPECTED OR TESTED CONFORMED TO THE APPROVED CONSTRUCTION DOCUMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD.
 - SPECIAL INSPECTION AND TESTING RECORDS SHALL BE RETAINED BY THE CONTRACTOR ON SITE UNTIL COMPLETION OF CONSTRUCTION.
 - THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL ACKNOWLEDGING RESPONSIBILITY FOR CONSTRUCTION OF THE MAIN LATERAL-FORCE RESISTING SYSTEM PRIOR TO COMMENCEMENT OF THAT WORK AS REQUIRED BY CBC SECTION 1704A.4.
 - THE OWNER OR THE OWNER'S AUTHORIZED AGENT SHALL SUBMIT TO THE BUILDING OFFICIAL A FINAL REPORT DOCUMENTING SPECIAL INSPECTIONS AND TESTS PER CBC SECTION 1704A.2.4 AND REPORTS AND CERTIFICATES PER CBC SECTION 1704A.5.
 - ALL SOILS AND FOUNDATION EXCAVATION INSPECTIONS SHALL BE BY THE GEOTECHNICAL ENGINEER OF RECORD, OR A GEOTECHNICAL FIRM HIRED BY THE OWNER PER CBC SECTION 1705A.6.
 - SPECIAL INSPECTION IS REQUIRED FOR ALL SHOP FABRICATED MEMBERS OR ASSEMBLIES UNLESS WAIVED PER THE EXCEPTIONS IN CBC SECTION 1704A.2.5.
- DEFINITIONS:**
- CONTINUOUS** - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS CONTINUOUSLY PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
 - PERIODIC** - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
 - QUALITY ASSURANCE (QA)** - MONITORING AND INSPECTION TASKS PERFORMED BY AN AGENCY OR FIRM OTHER THAN THE FABRICATOR OR ERECTOR TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED BY THE FABRICATOR AND ERECTOR MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. QUALITY ASSURANCE INCLUDES THOSE TASKS DESIGNATED "SPECIAL INSPECTION" BY THE APPLICABLE CODE.
 - QUALITY CONTROL (QC)** - CONTROLS AND INSPECTIONS IMPLEMENTED BY THE FABRICATOR OR ERECTOR, AS APPLICABLE, TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
 - OBSERVE (O)** - OBSERVE THESE ITEMS ON A RANDOM BASIS (DAILY FOR LFERS).
 - PERFORM (P)** - PERFORM THOSE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.
 - DOCUMENT (D)** - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UP, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.
- SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED DURING CONSTRUCTION ON THE WORK SHOWN IN THE CONSTRUCTION DOCUMENTS AS REQUIRED BY CBC CHAPTER 17A, THE TABLES LISTED BELOW, AND THE JURISDICTION'S SPECIAL INSPECTION AND TESTING FORM. IF DISCREPANCIES ARE NOTED, CONTACT THE SEOR. ALL EXCEPTIONS INCLUDED IN CBC CHAPTER 17A ARE PERMITTED TO BE USED.
 - SOILS
 - CONCRETE CONSTRUCTION
 - WOOD CONSTRUCTION - STRUCTURAL ELEMENTS AND ASSEMBLIES INSPECTIONS
 - WOOD CONSTRUCTION - STRUCTURAL GLUED LAMINATED TIMBER

SOILS - REQUIRED SPECIAL INSPECTIONS AND TESTS 1

TYPE	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X
6. EARTH-RETAINING SHORING - SPECIAL INSPECTIONS AND TESTS SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 1812A.	-	-
7. VIBRO STONE COLUMNS - SPECIAL INSPECTIONS AND TESTS SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 1813A.	-	-

1. GEOTECHNICAL ENGINEER SHALL PROVIDE INSPECTION AND VERIFIED REPORT PER CBC SECTION 1705A.6.1

CONCRETE CONSTRUCTION - REQUIRED SPECIAL INSPECTIONS AND TESTS

TYPE	CONTINUOUS	PERIODIC	REFERENCED STANDARD ¹
1. INSPECT AND TEST REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.			ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3, 26.13.1, 26.13.3.2, 26.13.3.3
A. REINFORCEMENT IN SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS AND COUPLING BEAMS.	X	-	
B. ALL OTHER REINFORCEMENT	-	X	
2. REINFORCING BAR WELDING:			AWS D1.4 ACI 318: 18.2.8, 25.5.7, 26.6.4, 26.13.1.4, 26.13.3.2, 26.13.3.3
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A709	-	X	
B. INSPECT SINGLE-PASS FILET WELDS, MAXIMUM 5/16", NOT DEFINED IN 2.D OR 2.E	-	X	
C. INSPECT ALL OTHER WELDS	-	-	
D. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS AND COUPLING BEAMS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	X	-	
E. SHEAR REINFORCEMENT.	X	-	
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2, 26.7.2, 26.8.2, 26.13.1, 26.13.3.3
4. INSPECT AND TEST ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.			
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-	ACI 318: 17.8.2.4, 26.7.2, 26.13.1, 26.13.3.2
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN A.	-	X	ACI 318: 17.8.2, 26.7.2, 26.13.1, 26.13.3.3
5. VERIFY USE OF REQUIRED DESIGN MIX.	X	-	ACI 318: CH. 19, 26.4, 26.13.3.2
6. PRIOR TO AND DURING CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.4, 26.5, 26.12
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.5, 26.13 ACI 506: 3.4
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5, 26.13.3.3
9. INSPECT PRESTRESSED CONCRETE FOR:			ACI 318: 26.10.2, 26.13.1, 26.13.3.2
A. APPLICATION OF PRESTRESSING FORCES	X	-	
B. GROUTING OF BONDED PRESTRESSING TENDONS.	X	-	
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	-	X	ACI 318: CH. 26, 26.13.1, 26.13.3.3
11. FOR PRECAST CONCRETE REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR:			ACI 318: 26.13.1.3 ACI 550.5
A. INSTALLATION OF THE EMBEDDED PARTS.	X	-	
B. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS.	X	-	
C. COMPLETION OF CONNECTIONS IN THE FIELD.	X	-	
12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5.	-	X	ACI 318: 26.13.1.3
13. VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.10.2, 26.11.2, 26.13.3.3
14. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1, 2(b), 26.13.3.3
15. BATCH PLANT - QUALITY AND QUANTITY OF MATERIALS USED IN TRANSIT-MIXED CONCRETE AND BATCHED AGGREGATES, AT LOCATION WHERE MATERIALS ARE MEASURED.	X	-	
16. CONCRETE PREPLACEMENT INSPECTION - CONCRETE SHALL NOT BE PLACED UNTIL THE FORMS AND REINFORCEMENT HAVE BEEN INSPECTED, ALL PREPARATIONS FOR THE PLACEMENT HAVE BEEN COMPLETED, AND THE PREPARATIONS HAVE BEEN CHECKED BY THE INSPECTOR OF RECORD.			
17. PLACING RECORD - A RECORD SHALL BE KEPT ON THE SITE OF THE TIME AND DATE OF PLACING THE CONCRETE IN EACH PORTION OF THE STRUCTURE. SUCH RECORD SHALL BE KEPT UNTIL THE COMPLETION OF THE STRUCTURE AND SHALL BE OPEN TO THE INSPECTION OF THE ENFORCEMENT AGENCY.			
18. COMPOSITE CONSTRUCTION CORES - COMPOSITE CONSTRUCTION CORES SHALL BE TAKEN AND TESTED IN ACCORDANCE WITH CBC SECTION 1910A.4			

- WHERE APPLICABLE, SEE ALSO SECTION 1705.13, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.
- SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.
- SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.
- SEE 1705A.3.3 FOR WAIVER/EXCEPTIONS.

WOOD CONSTRUCTION - STRUCTURAL ELEMENTS AND ASSEMBLIES.

MINIMUM VERIFICATION
THE APPROVED AGENCY SHALL FURNISH A VERIFIED REPORT TO THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OF CONSTRUCTION OBSERVATION, THE STRUCTURAL ENGINEER, AND THE ENFORCEMENT AGENCY, IN ACCORDANCE WITH THE CALIFORNIA ADMINISTRATIVE CODE AND THIS CHAPTER. THE VERIFIED REPORT SHALL LIST ALL INSPECTED MEMBERS OR TRUSSES, AND SHALL INDICATE WHETHER OR NOT THE INSPECTED MEMBERS OR TRUSSES CONFORM WITH APPLICABLE STANDARDS AND THE APPROVED DRAWINGS AND SPECIFICATIONS. ANY NONCONFORMING ITEMS SHALL BE INDICATED ON THE VERIFIED REPORT.

WOOD CONSTRUCTION - STRUCTURAL GLUED LAMINATED AND CROSS-LAMINATED TIMBER.

MINIMUM VERIFICATION
MANUFACTURE OF ALL STRUCTURAL GLUED LAMINATED AND CROSS-LAMINATED TIMBER SHALL BE CONTINUOUSLY INSPECTED BY AN APPROVED AGENCY. THE APPROVED AGENCY SHALL VERIFY THAT PROPER QUALITY CONTROL PROCEDURES AND TESTS HAVE BEEN EMPLOYED FOR ALL MATERIALS AND THE MANUFACTURING PROCESS, AND SHALL PERFORM VISUAL INSPECTION OF THE FINISHED PRODUCT. EACH INSPECTED MEMBER SHALL BE STAMPED BY THE APPROVED AGENCY WITH AN IDENTIFICATION MARK.

STRUCTURAL WOOD LFERS - REQUIRED SPECIAL INSPECTIONS

TYPE	CONTINUOUS	PERIODIC
1. FIELD GLUING OPERATIONS OF ELEMENTS OF THE LFERS.	X	-
2. NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE LFERS, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS.	-	X

FOR REFERENCE ONLY

PROJECT No.:
7/5/2024 8:34:25 AM

DATE	BY	CHECKED BY
DELTA #	ADD	ADD
DELTA #	DATE	ADD
DELTA #	DATE	ADD

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 951 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 439-5899

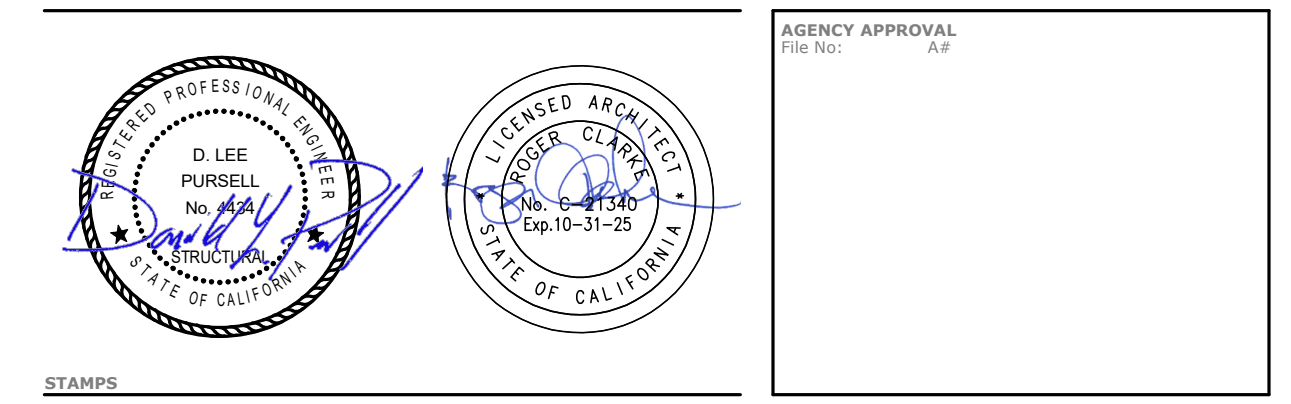
KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

STRUCTURAL SPECIAL INSPECTIONS & TESTING

S1.11

KITCHEN UPGRADES AT MADISON E.S.



AGENCY APPROVAL
 (To Be Filled)



600 Q STREET, SUITE 200
 SACRAMENTO, CA 95811
 916-443-0303

**RUHNAU
 CLARKE**
 ARCHITECTS

CONSULTANT BRANDING

FOUNDATION PLAN NOTES

- NOTES AND DETAILS ON SHEETS LABELED AS "GENERAL" OR "TYPICAL" ARE APPLICABLE TO ALL DRAWINGS, UNO.
- VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
- DIMENSIONS SHOWN ARE TO THE FACE OF STUD.
- SITE PREPARATION AND BUILDING PAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT LISTED IN THE FOUNDATION GENERAL NOTES. BOTTOM OF FOOTING EXCAVATIONS SHALL BE REVIEWED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL. THE BOTTOM OF ALL FOOTINGS SHALL BE AT LEAST 24" BELOW ADJACENT MINIMUM PREPARED BUILDING PAD ELEVATION ON ALL SIDES. TYP UNO OR AS SHOWN ON SECTIONS.
- SLAB ON GRADE SHALL BE 5" THICK CONCRETE w/ #4 @ 18"CC EW AT MID-DEPTH. CONCRETE SHALL BE INSTALLED OVER 15 MIL VAPOR RETARDER OVER 4" CLEAN CRUSHED ROCK. TOP OF CONCRETE SLAB IS 0'-0" UNO. DATUM ELEV = 0'-0".
- CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & SEOR FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
- PROVIDE SLAB ON GRADE CONTROL JOINTS (SJ) AS INDICATED PER **§955.01** TYP AT ALL INTERIOR SLABS. CONSTRUCTION JOINTS (CJ) MAY REPLACE CONTROL JOINTS AS REQUIRED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE SLAB CONTROL JOINTS WITH ANY ARCHITECTURALLY EXPOSED SLAB AREAS OR THE LOCATION OF TILE CRACK CONTROL JOINTS. VERIFY SPECIAL CONDITION CONTROL JOINTS WITH ARCH DRAWINGS.
- CONTRACTOR TO COORDINATE EXACT DIMENSIONS AND LOCATIONS OF THICKENED SLABS, HOUSEKEEPING PADS, ETC. WITH ALL OTHER DISCIPLINE'S DRAWINGS AS WELL AS WITH THE EQUIPMENT PROVIDED, PRIOR TO COMMENCING WORK.
- ALL DEPRESSIONS, SLOPES, ETC. ARE SHOWN FOR REFERENCE ONLY. FOR EXACT DEPTHS, SLOPES, EXTENTS, ETC. SEE OTHER DISCIPLINE'S DRAWINGS.
- COORDINATE CURB LOCATIONS AND EXTENTS WITH ARCH DRAWINGS. FOR CURBS BELOW NON-STRUCTURAL WALLS, SEE **§1095.01** & **§1195.01**.
- TEMPORARY LOADS APPLIED DURING CONSTRUCTION HAVE NOT BEEN CONSIDERED IN SLAB ON GRADE DESIGN.
- SEE ARCH & CIVIL DRAWINGS FOR ALL EXTERIOR CURBS, FLATWORK, PLANTERS, RAMPS, ETC.
- PROVIDE 3" MIN. CONCRETE COVER AT STRUCTURAL STEEL AND ANCHOR BOLTS BELOW GRADE, TYP.
- CONTINUE ALL REINFORCING IN CONTINUOUS FOOTINGS THROUGH SPREAD FOOTINGS, TYP UNO.
- FACE OF CONCRETE AT PERIMETER OF BLDG SHALL BE 1/2" OUTSIDE FACE OF STUD, TYP UNO. COORDINATE WITH ARCH DWGS.
- ANCHOR BOLTS AT NON-SHEARWALLS SHALL BE AS INDICATED ON **§255.11**.
- ALL WOOD STUD WALLS ARE TO BE 2x6 @ 16" CC UNO ON THE PLANS, SECTIONS, OR SCHEDULES. COORDINATE STUD SIZE WITH ARCH DWGS.

FOUNDATION LEGEND

- FOOTING MARK AND FOOTING MARK WITH TOP OF FOOTING ELEVATION. SEE FOOTING SCHEDULE FOR TYPICAL TOF ELEVATION. ELEVATION IS RELATIVE TO REFERENCE ELEVATION (0'-0").
- CONCRETE CURB. VERIFY EXTENT W/ ARCH DWGS.
- CONCRETE HOUSEKEEPING PAD PER **§1295.01**. SEE ARCH FOR EXTENT. SEE NOTE#11 FOR ADDL INFO.
- SLOPED AND/OR DEPRESSED SLAB. DEPRESS BUILDING PAD AND PROVIDE FULL SLAB AND BASE THICKNESS. SEE **§955.01** & **§855.01**. WHERE DEPRESSION IS GREATER THAN 2" AND ADJACENT TO BUILDING FOUNDATION ELEMENT IT MAY BE NECESSARY TO STEP FOOTING IN ORDER TO MAINTAIN MINIMUM FOOTING EMBEDMENT PER SECTIONS. CONTRACTOR TO COORDINATE IN FIELD.
- SLAB STEP PER **§955.01** & **§855.01**.
- TOP OF CONCRETE SLAB ELEVATION RELATIVE TO REFERENCED TOP OF CONCRETE 0'-0".
- MECHANICAL UNIT. THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL EQUIPMENT FOR SIZE & LOCATION WITH OTHER TRADES & THE STRUCTURAL DRAWINGS. UNIT SIZES & LOCATIONS SHOWN ARE APPROXIMATE.
- WOOD STRUCTURAL WALL.
- WOOD POST, 6x6 @ 6" NOMINAL WALLS, TYP UNO.

FRAMING PLAN NOTES

- NOTES AND DETAILS ON SHEETS LABELED AS "GENERAL" OR "TYPICAL" ARE APPLICABLE TO ALL DRAWINGS, UNO.
- VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS w/ ARCH DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS w/ DIMENSIONS SHOWN.
- DIMENSIONS SHOWN ARE TO CL OF COLUMN, FACE OF STUD.
- FOR GUIDELINES AND LIMITATIONS FOR SUPPORTING FROM STRUCTURE, SEE SPECIFICATIONS.
- SEPARATION JOINT DIMENSIONS SHOWN ON PLAN INDICATE MINIMUM CLEAR DISTANCE REQUIRED BETWEEN ADJACENT BLDG ELEMENTS. WHERE BLDG FINISHES/FIRE PROTECTION OCCUR, CLEAR DIMENSION SHALL BE MAINTAINED BTWN THOSE ELEMENTS.
- ALL VISUALLY EXPOSED STEEL SHALL MEET 'ARCHITECTURALLY EXPOSED STRUCTURAL STEEL' REQUIREMENTS. SEE ARCH DWGS AND SPECS.
- ALL WOOD STUD WALLS ARE TO BE 2x6 @ 16"CC UNO ON THE PLANS, SECTIONS, OR SCHEDULES. COORDINATE STUD SIZE WITH ARCH DWGS.
- ROOF SHEATHING SHALL BE 15/32" (1/2" NOMINAL) APA RATED (PER CBC TABLE 2304.8(3) STRUCTURAL 1 GRADE CD w/ EXTERIOR GLUE. MIN SPAN RATING SHALL BE 240). LAY LONG DIMENSION PERPENDICULAR TO SUPPORTS. ENDS STAGGERED AS SHOWN ON PLAN. NAIL w/ 10d NAILS @ 6"CC EDGES, 12"CC FIELD UNO ON PLANS, WHERE BLOCKING IS NOTED. USE 2x4 FLAT AT ALL SHTG EDGES SUPPORTED IN Z2 CLIPS. USE PLYCLIPS AT MIDSPAN OF UNSUPPORTED ROOF SHEATHING EDGES.
- ALIGN JOISTS OVER STUDS BELOW WHERE FRAMING IS PERPENDICULAR TO WALL.
- PROVIDE JOIST HANGERS WHERE SPECIFIED ON PLANS, SECTIONS, OR WHERE JOIST IS NOT IN DIRECT BEARING. FOR JOIST HANGER SCHEDULE AND NOTES, SEE PLANS.
- FOR WOOD BEAM TO HSS COLUMN CONNECTION, SEE TYP. UNO.
- SPICES AT CMST STRAPS SHALL BE LAPPED A MINIMUM OF 16" w/ NAILS DRIVEN THRU BOTH.
- INSTALL STRAPS OVER SHTG UNO. STRAP NAILS MAY REPLACE TYP DIAPHRAGM NAILING.
- SEE ARCH DWGS FOR INFORMATION REGARDING VENT OPENINGS AT BLOCKING AND SHEATHING.
- VERIFY ALL ROOF OPENING DIMENSIONS w/ ARCH PRIOR TO STAIR FABRICATION. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND LOCATION OF PLACEMENT OF BEAMS ADJACENT TO STAIR OPENINGS.
- SEE ARCH FOR LOCATION OF CRICKETS REQUIRED FOR DRAINAGE. ROOF SHEATHING BELOW SHALL BE CONTINUOUS.

FRAMING LEGEND

- OPENING. LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT SEE **§1095.11**.
- WOOD STRUCTURAL WALL ABOVE.
- WOOD STRUCTURAL WALL BELOW.
- C= HEIGHT OF CL OF BEAM CAMBER AS NOTED ON PLANS. WHERE C IS NOT NOTED, BEAMS ARE NOT CAMBERED. FABRICATE AND ERECT ALL BEAMS WITH NATURAL BEAM CAMBER UP WHERE NO CAMBER IS INDICATED ON PLANS.
- HDR -- HEADER BELOW. SEE **§255.11** UNO ON PLAN.
- MST48 SIMPSON STRAP PER PLAN.
- STRAP
- NAILING
- TOP OF FRAMING ELEVATION (i.e. UNDERSIDE OF FLOOR SHTG) ABOVE REFERENCE TOP OF CONCRETE (0'-0") TYP. UNO.
- TOP OF WALL ELEVATION ABOVE REFERENCE TOP OF CONCRETE (0'-0") (i.e. TOP OF DBL TOP PL. TYP UNO).
- WOOD POST, 6x6 STUDS @ 6" NOMINAL WALLS, 4x4 STUDS @ 4" NOMINAL WALLS, TYP UNO.
- (A) POST IS ABOVE ONLY.
- EXTENT OF BLOCKED DIAPHRAGM.
- AREA OF OVERBUILD FRAMING. ROOF SHEATHING BELOW SHALL BE CONTINUOUS.
- MECHANICAL UNIT. THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL EQUIPMENT FOR SIZE & LOCATION WITH OTHER TRADES & THE STRUCTURAL DRAWINGS. UNIT SIZES & LOCATIONS SHOWN ARE APPROXIMATE.

FOR REFERENCE ONLY

PROJECT No. :
 7/5/2024 8:34:25 AM

DESIGNED BY:	DATE:	CHECKED BY:	DATE:
DELTA #	ADD	DELTA #	ADD
DELTA #	ADD	DELTA #	ADD
DELTA #	ADD	DELTA #	ADD

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92503 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

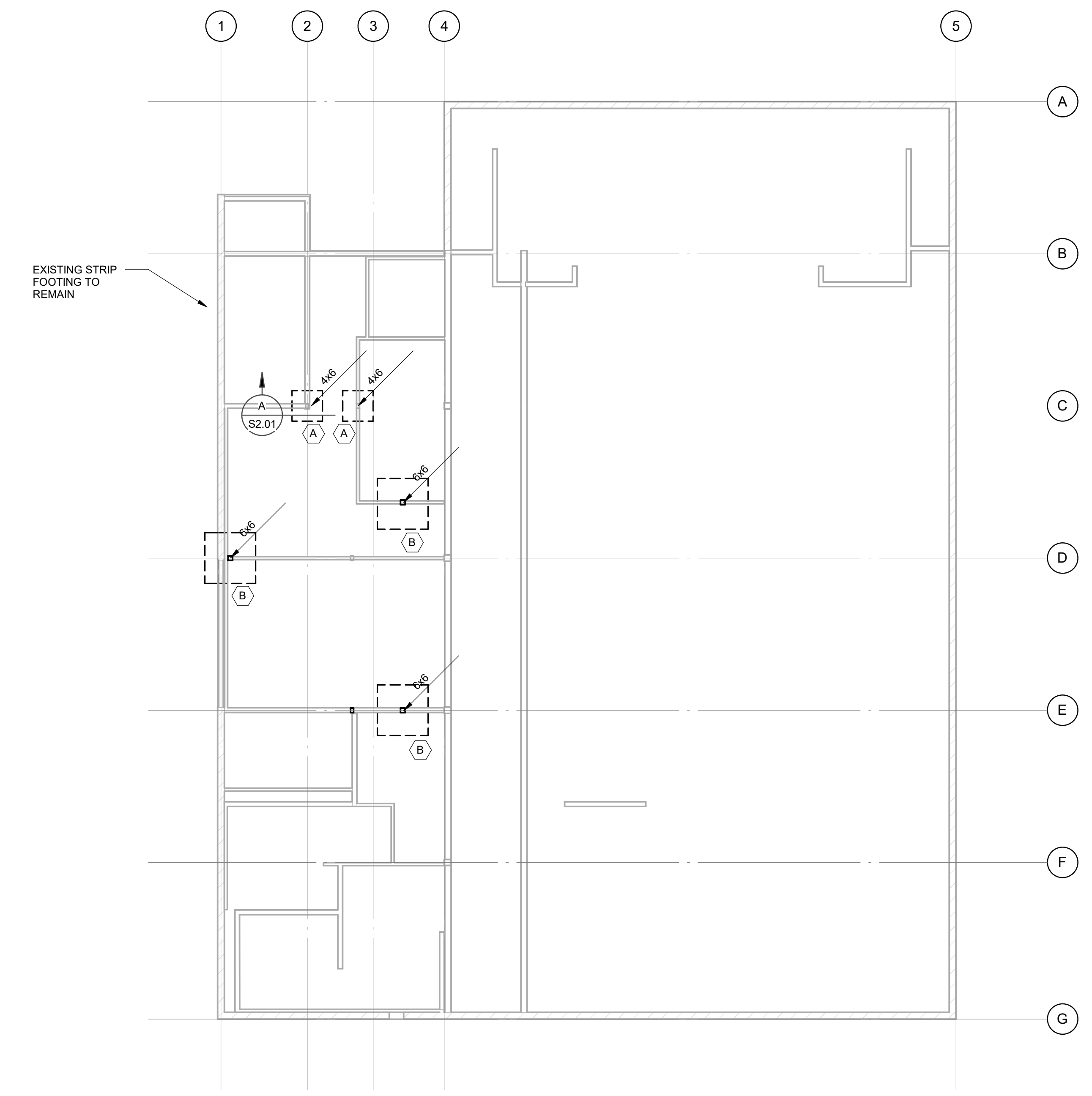
KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

PLAN NOTES AND LEGENDS

\$2.00

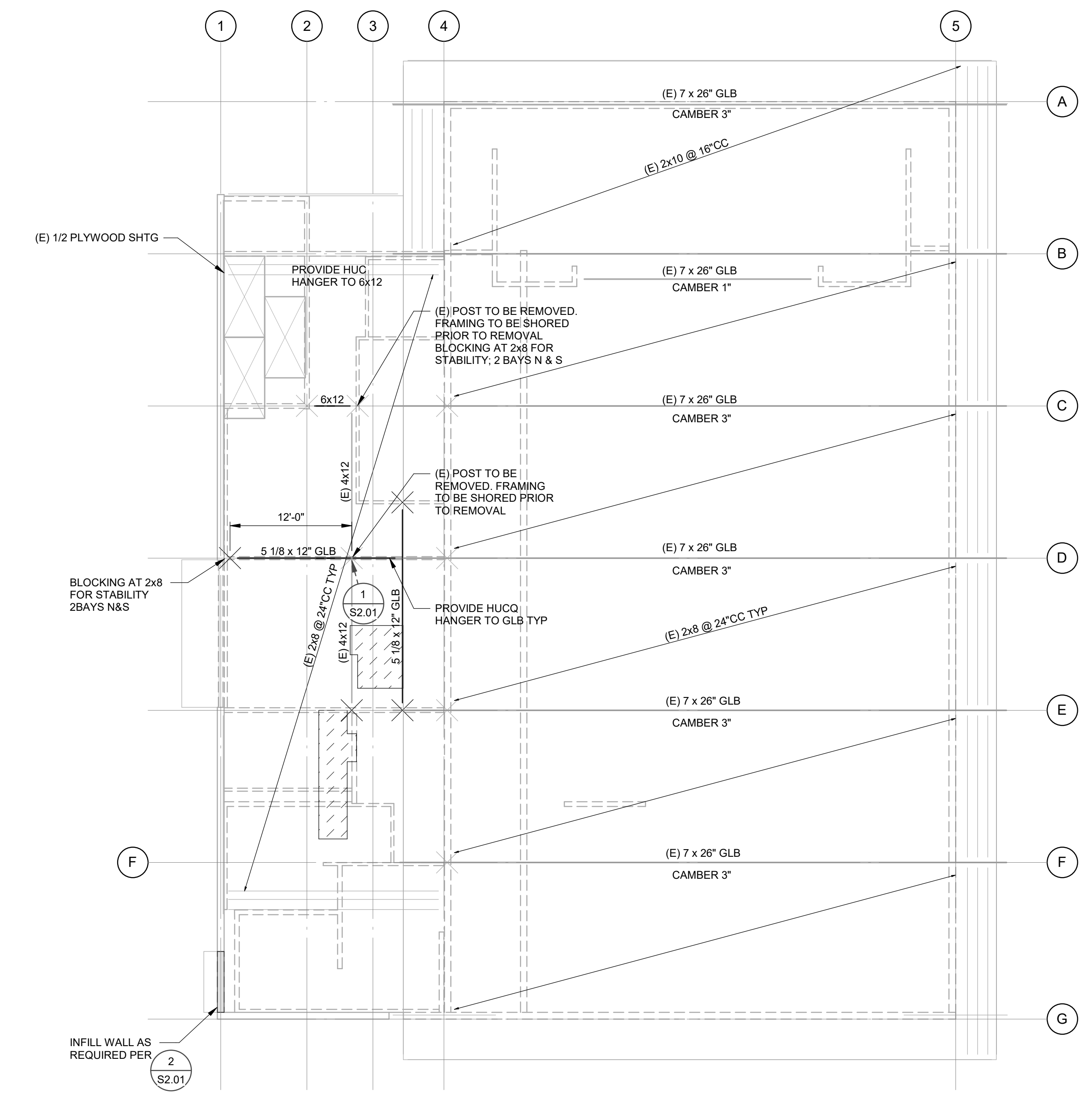
KITCHEN UPGRADES AT MADISON E.S.



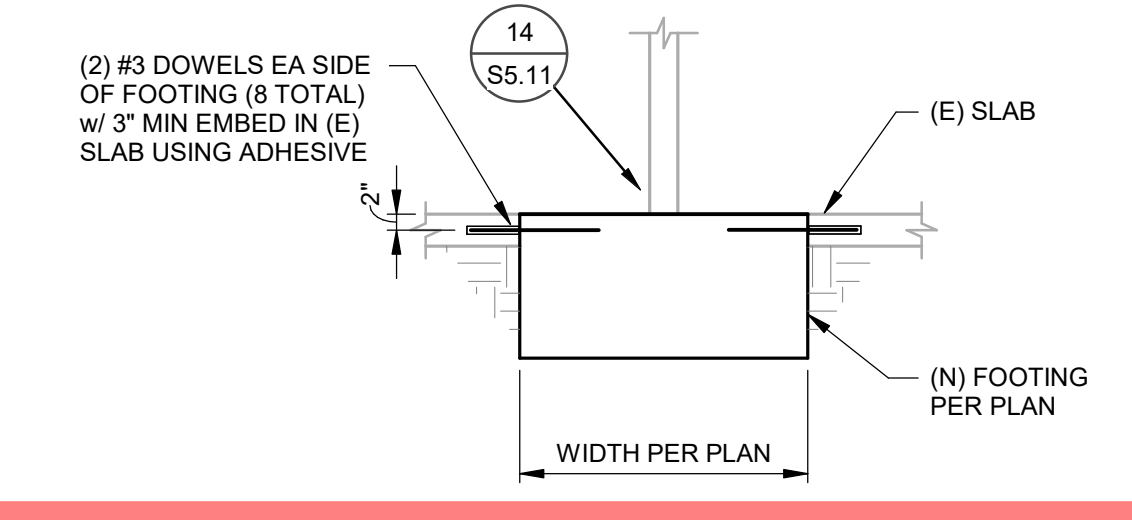
FOUNDATION PLAN 1/8" = 1'-0"

FOOTING SCHEDULE			
NOTE: TOP OF FOOTING AT -1'-0" TYP UNO ON PLANS.			
Mk	SIZE (WxLxD)	BOTT REINF	TOP REINF
A	3'-0" x 3'-0" x 1'-6"	(4) #5 EW	
B	5'-0" x 5'-0" x 1'-6"	(7) #5 EW	

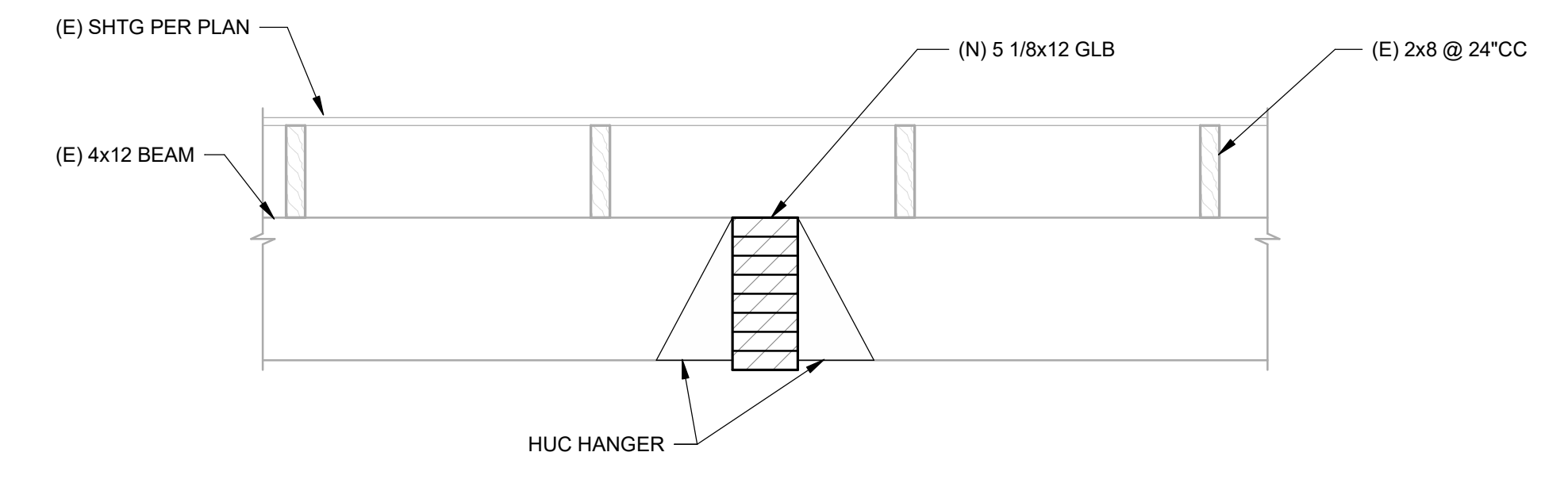
NOTE:
INSTALL NEW FDN PER **A/S2.01**



ROOF FRAMING PLAN 1/8" = 1'-0"

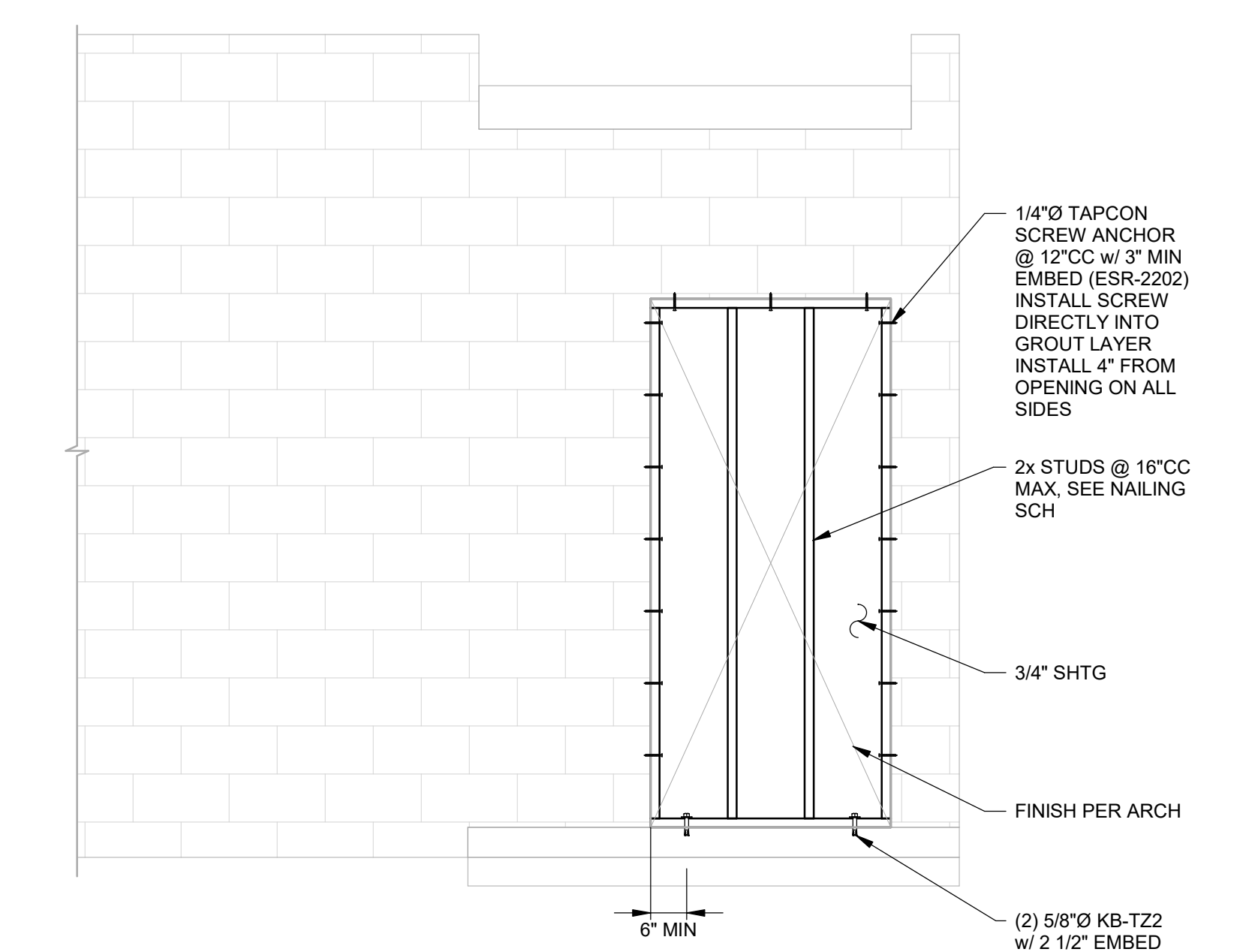


SECTION A 1/2" = 1'-0"



NOTES:
 1. FRAMING TO BE SHORED PRIOR TO POST REMOVAL.
 2. (E) 4x12 BEAM TO BE SPLICED AS REQUIRED TO INSTALL (N) 5 1/8x12 GLB. PROVIDE HUC HANGERS BOTH SIDES OF SPLICED BEAM.

DETAIL 1 NO SCALE



DETAIL 2 NO SCALE

FOR REFERENCE ONLY

PROJECT No. :
7/5/2024 8:34:25 AM

DATE	BY	DESCRIPTION

KITCHEN UPGRADES AT MADISON E.S.

TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

STAMPS

STAMPS

AGENCY APPROVAL

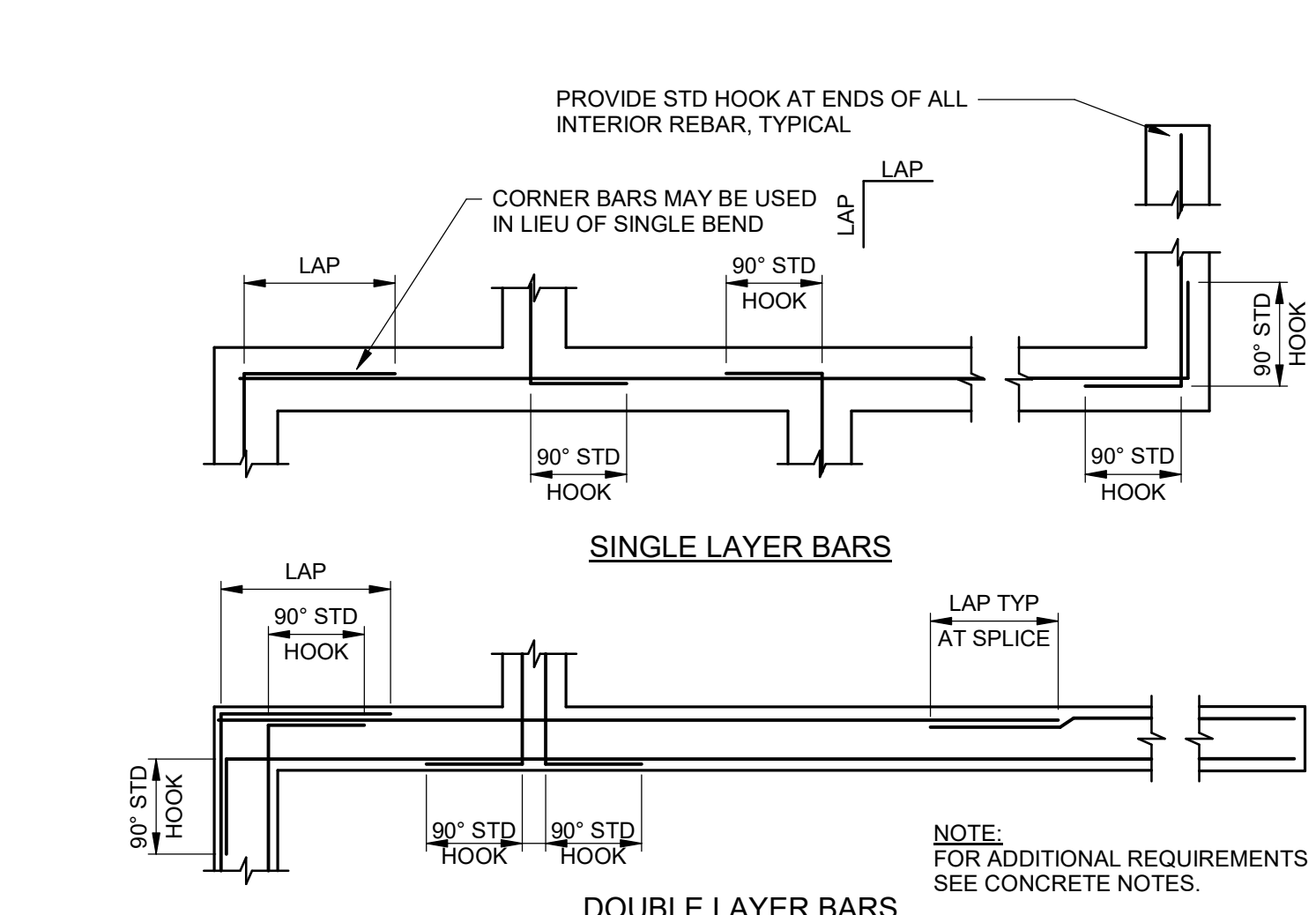
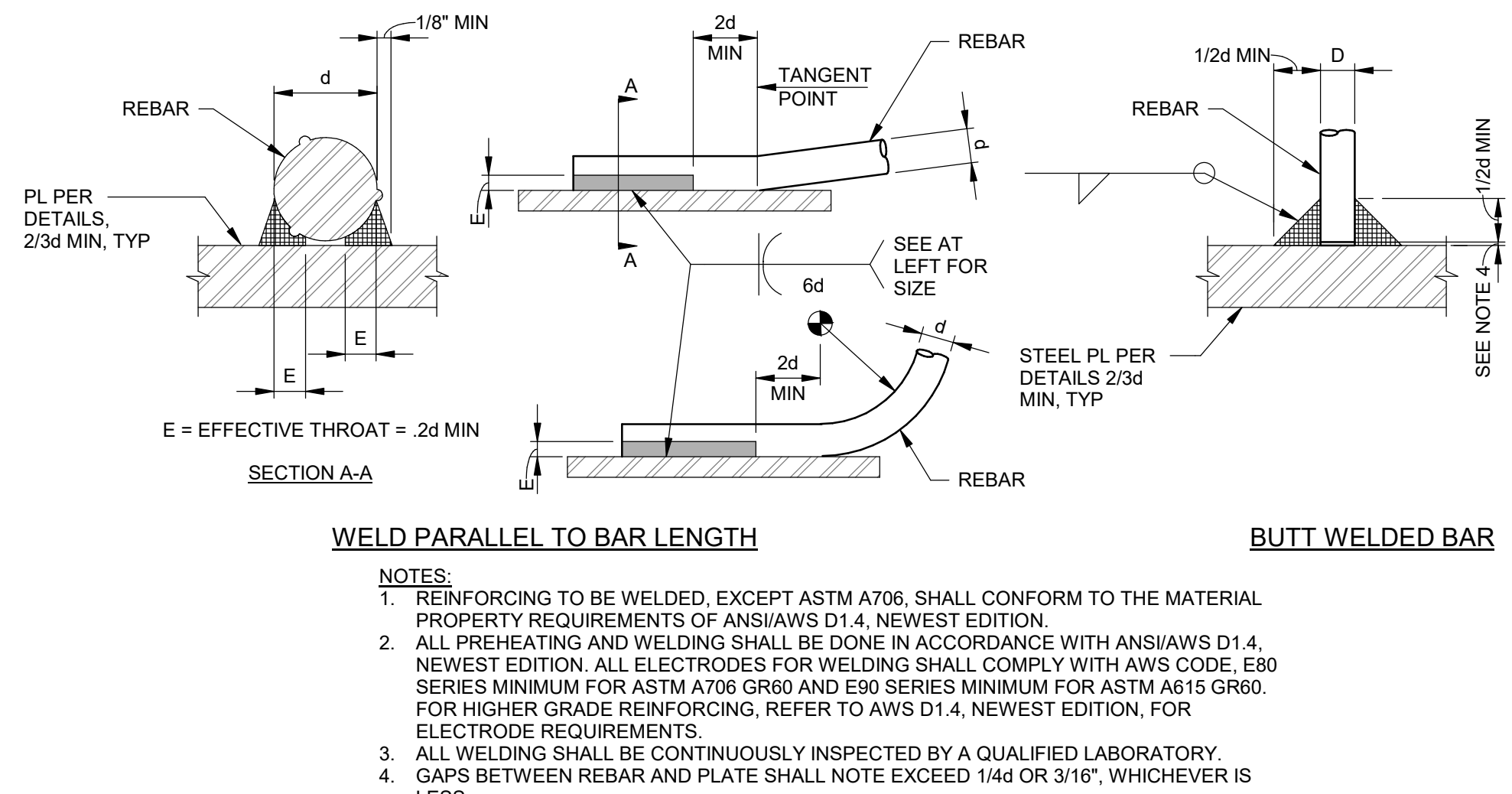
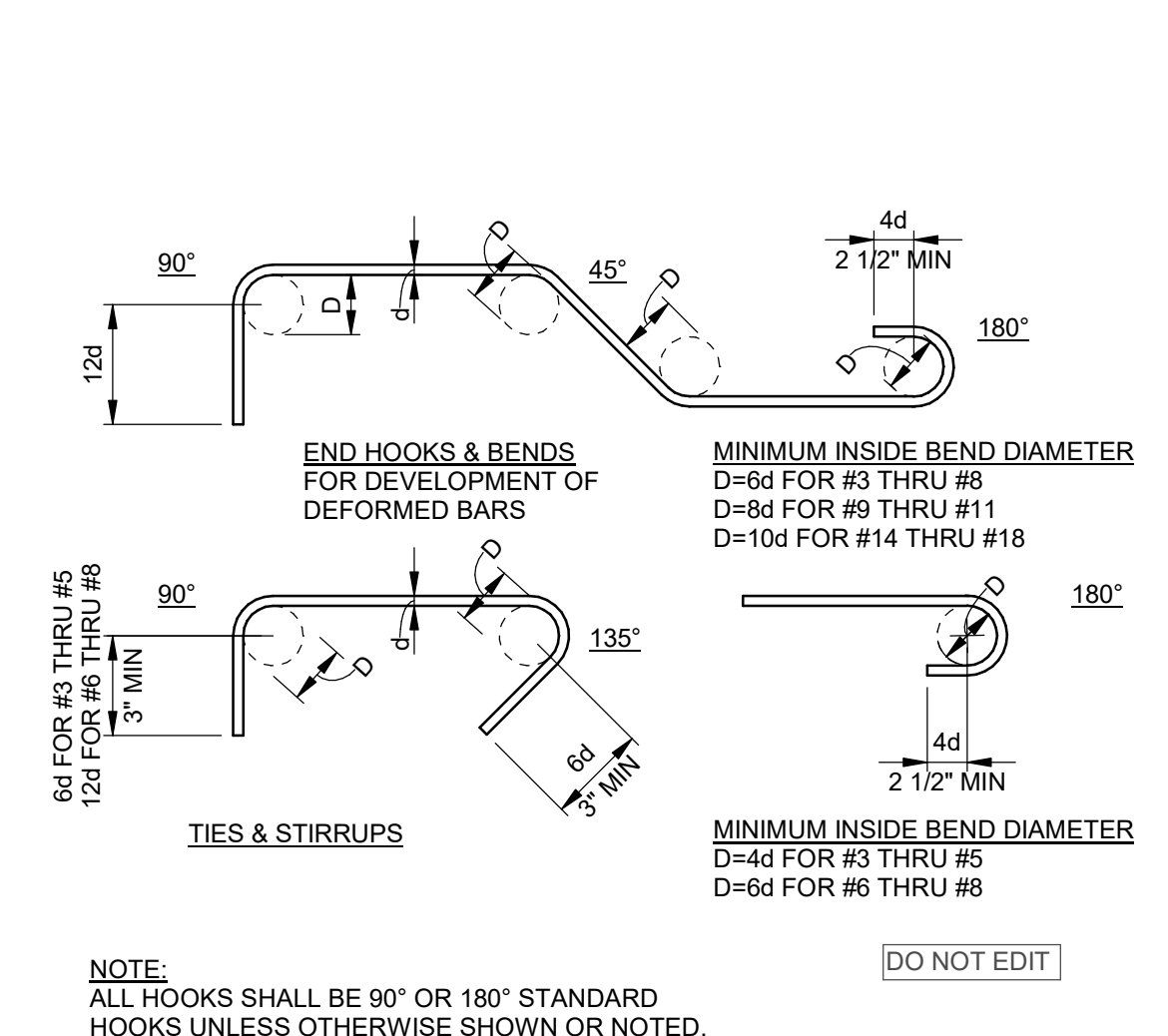
NO. _____

600 Q STREET, SUITE 200
SACRAMENTO, CA 95811
916-443-0303

CONSULTANT BRANDING

**RUHNAU
CLARKE**

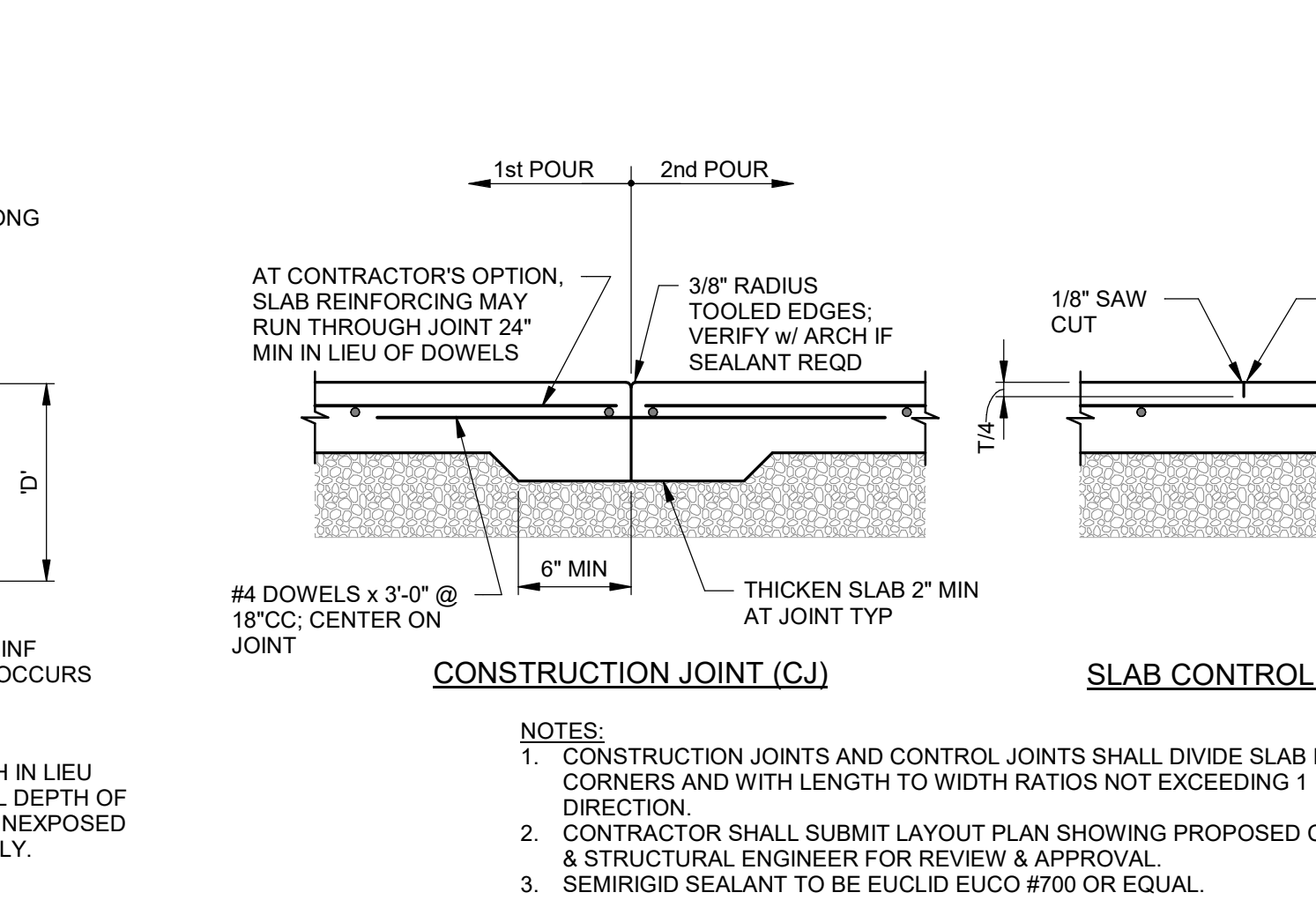
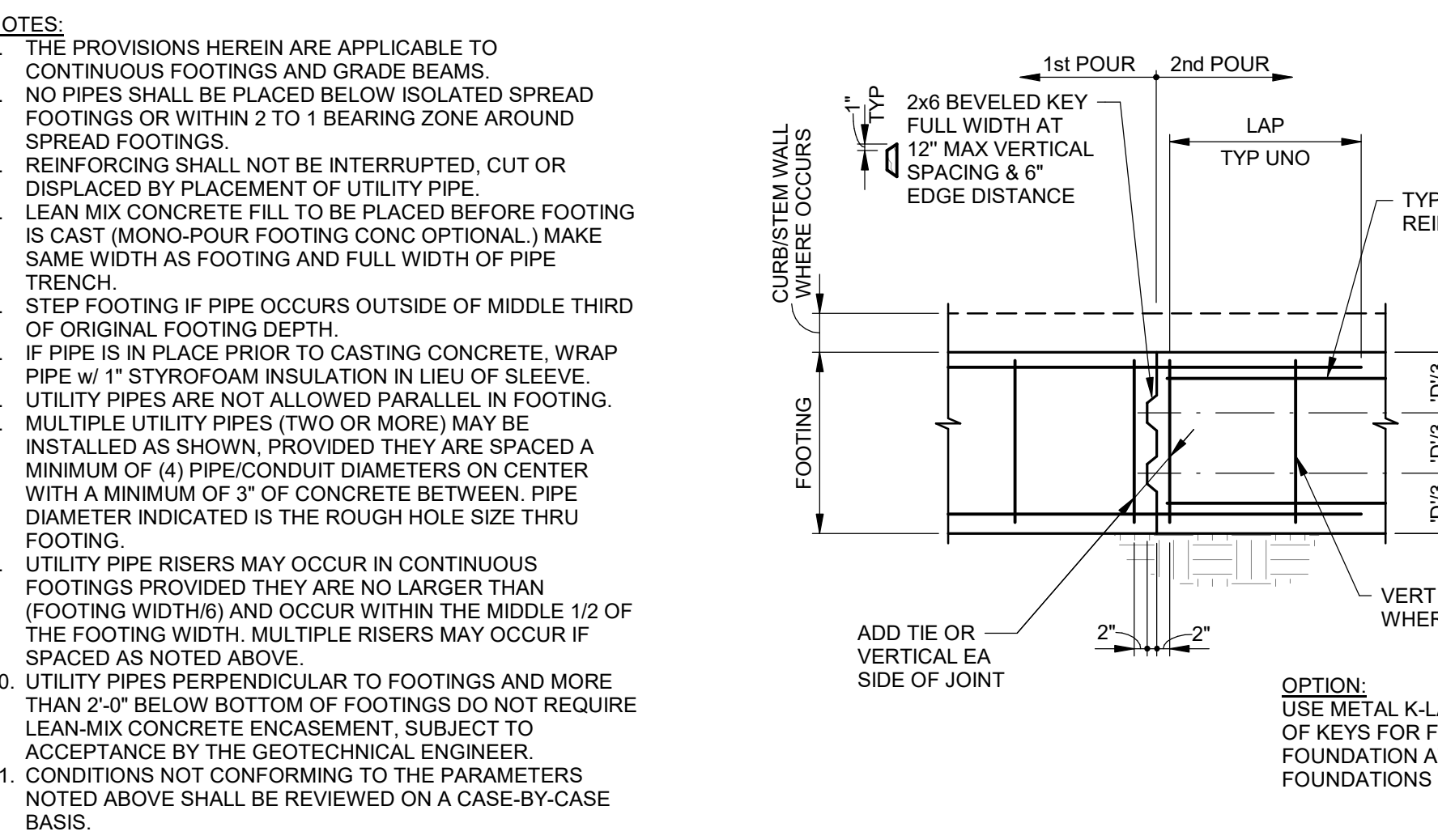
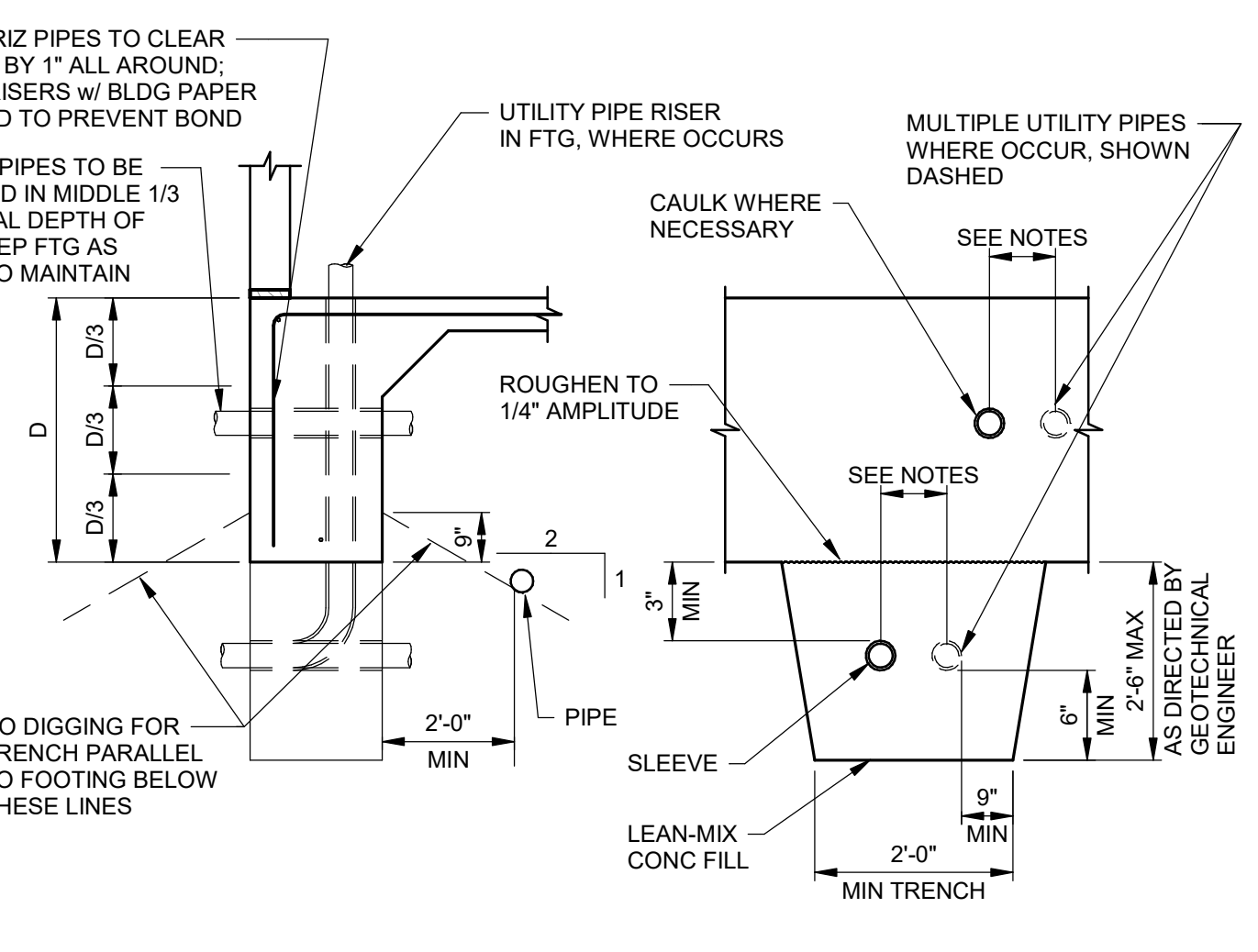
ARCHITECTS



DETAIL 1 NO SCALE
STANDARD REBAR HOOKS & BENDS (\$5.01)

DETAIL 2 NO SCALE
REBAR WELDING (\$5.01)

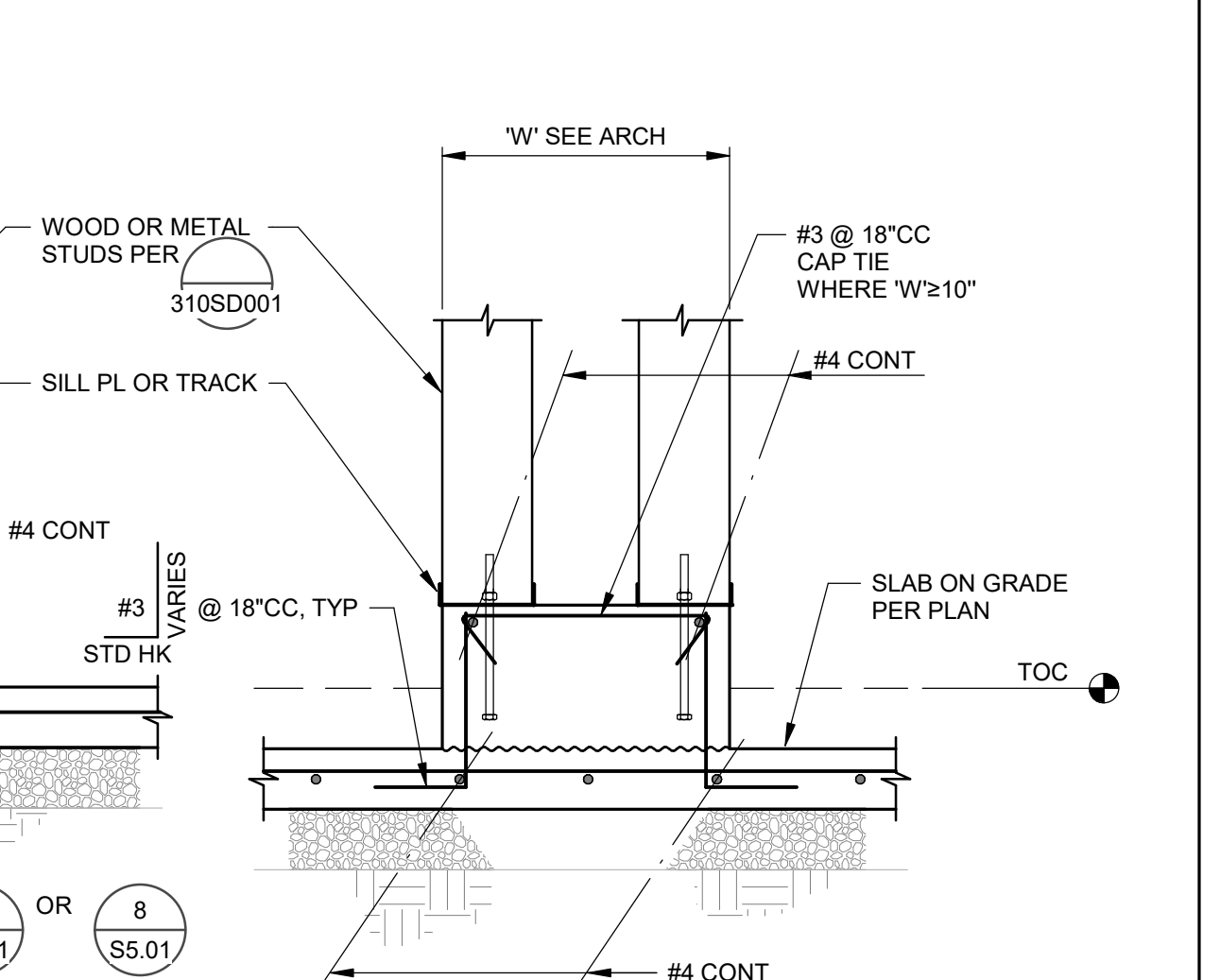
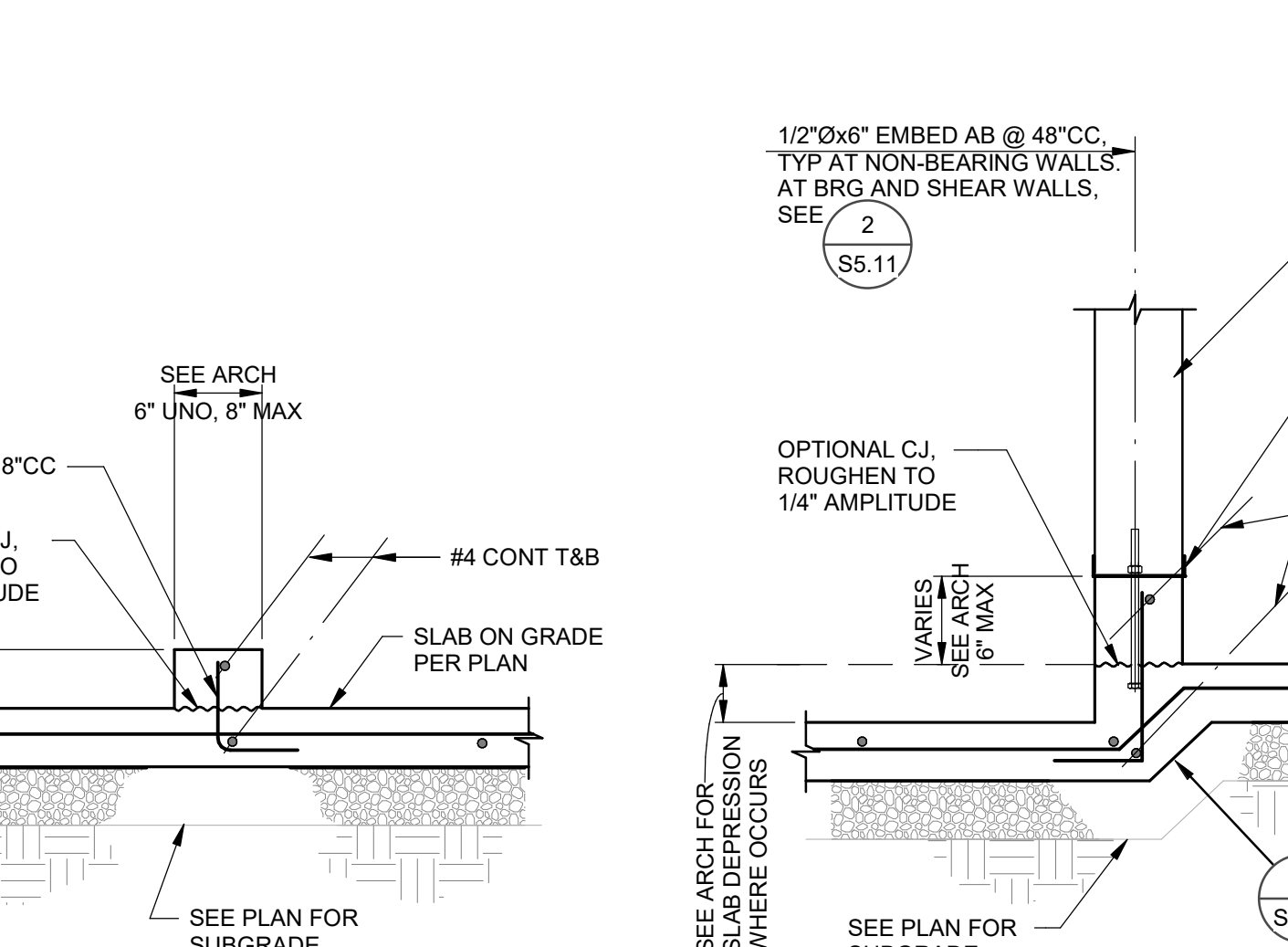
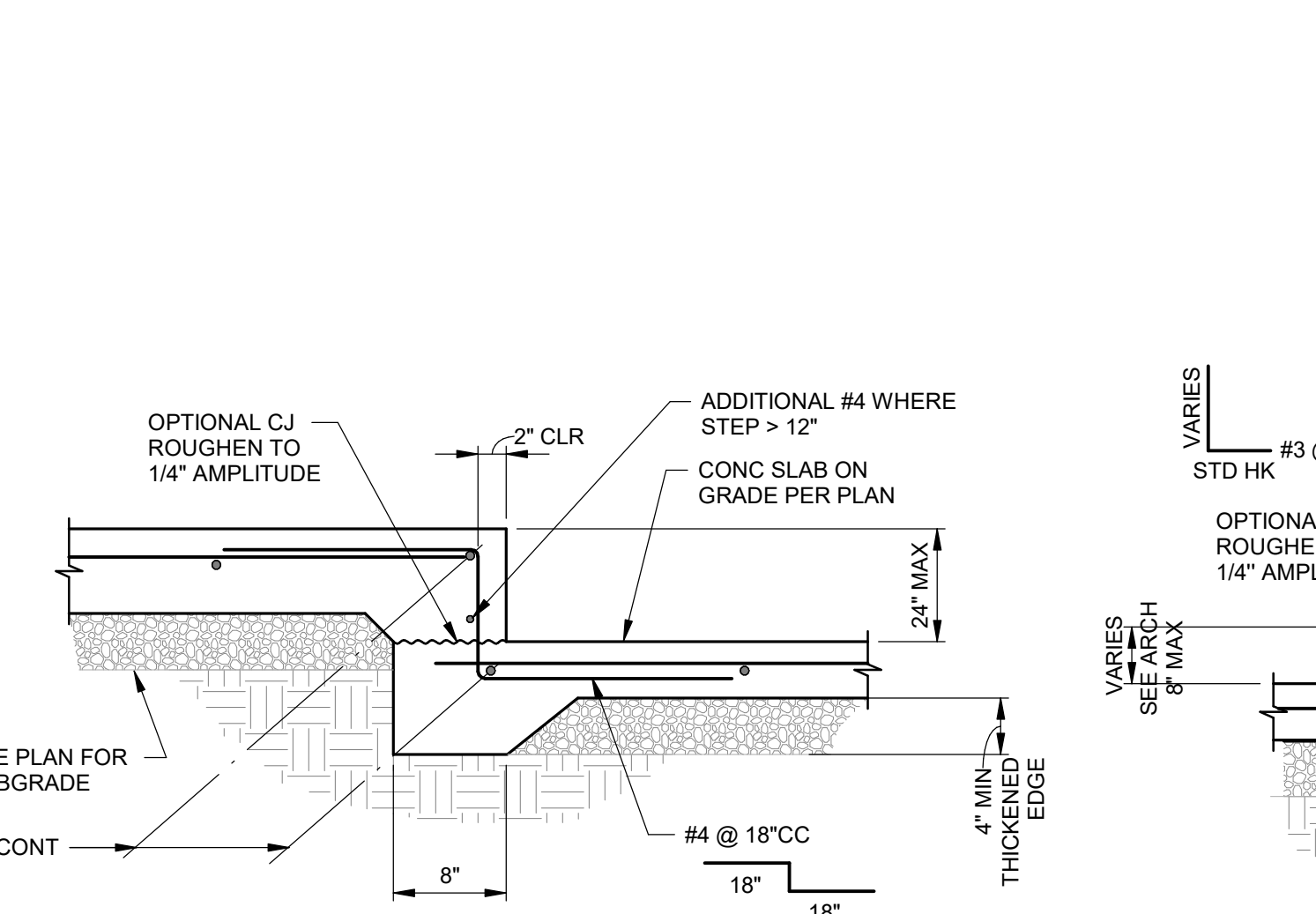
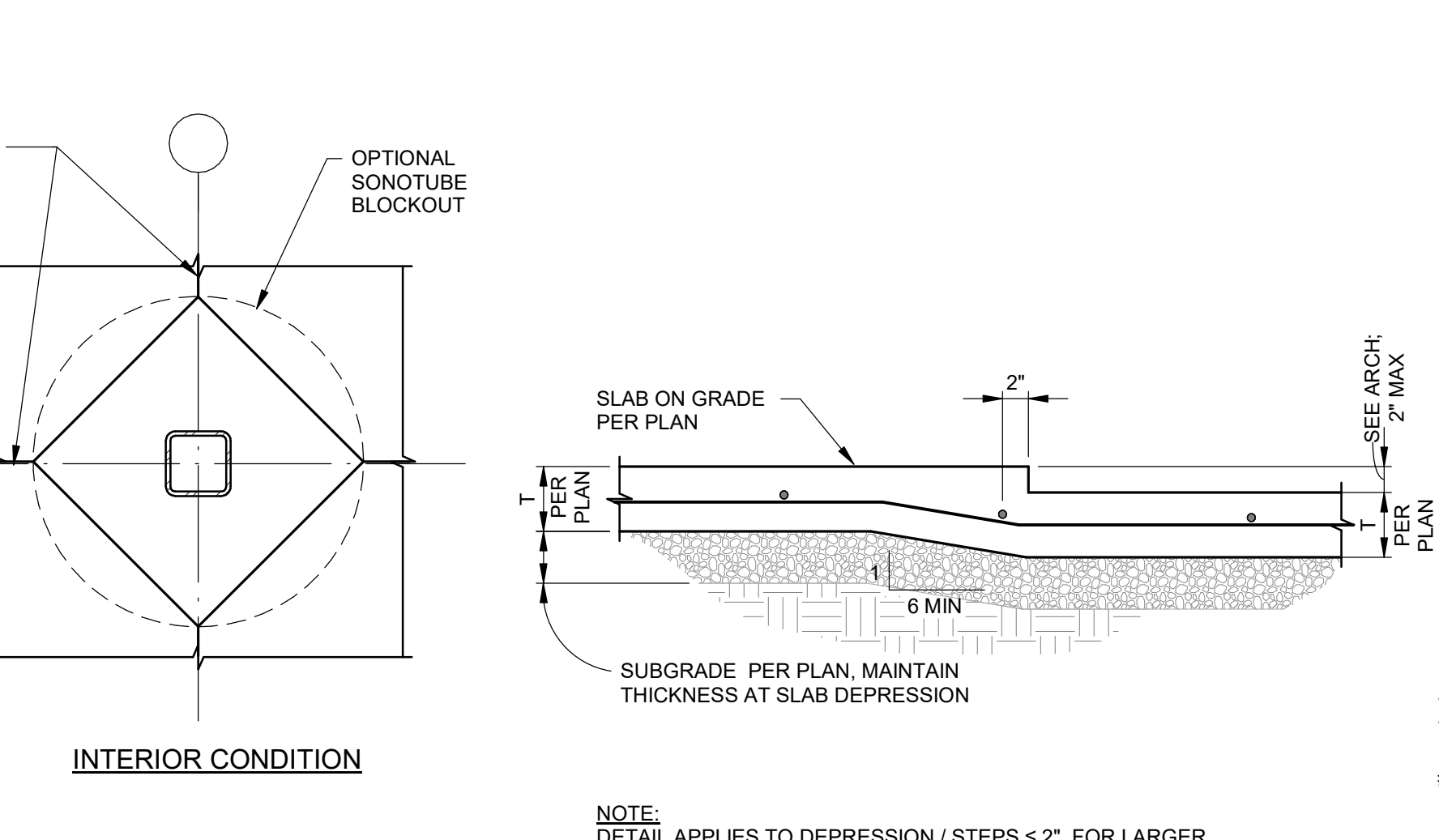
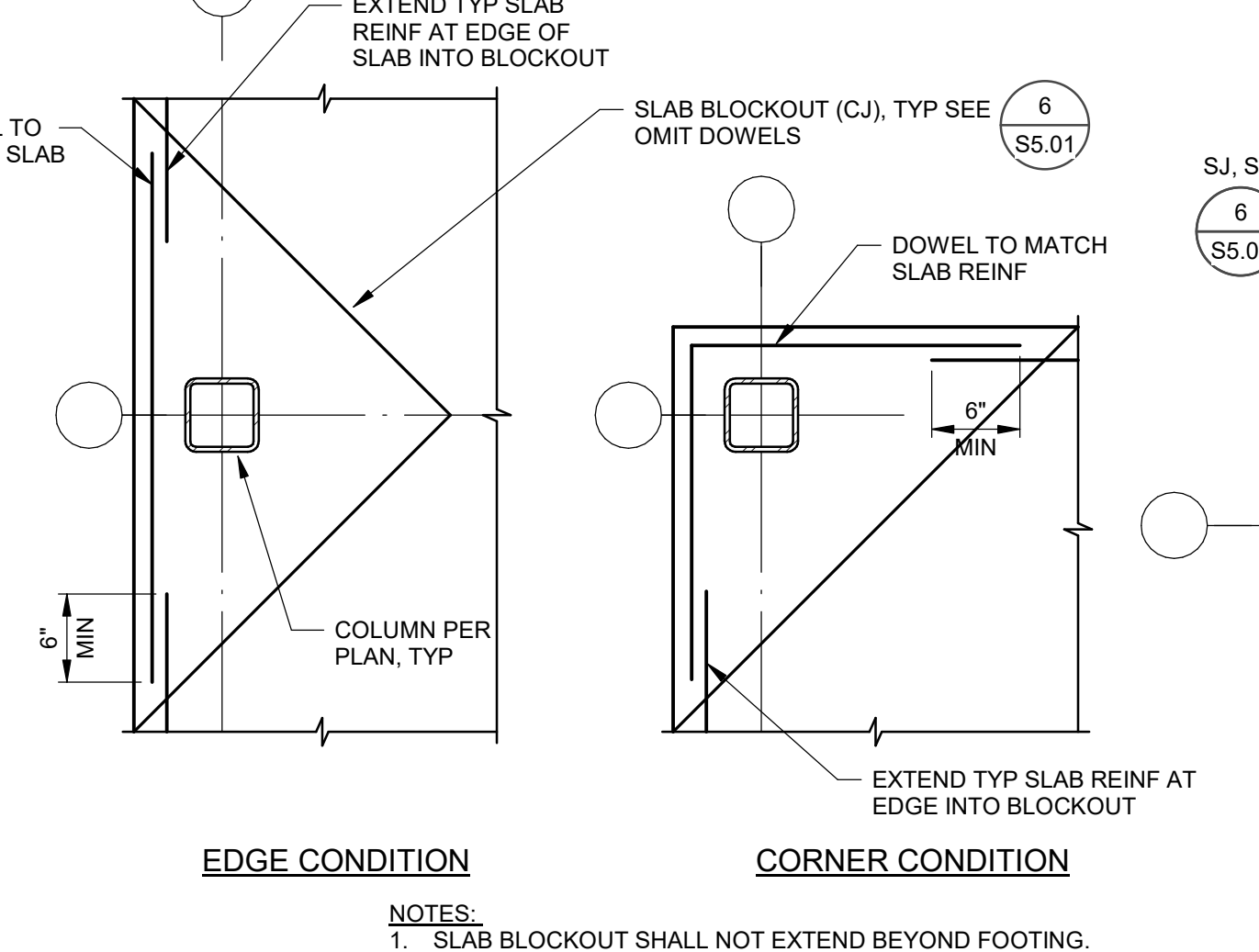
DETAIL 3 NO SCALE
INTERSECTION & CORNER REIN AT FTGS (\$5.01)



DETAIL 4 NO SCALE
FOOTINGS AT UTILITY PIPES (\$5.01)

DETAIL 5 NO SCALE
CONSTRUCTION JOINT (\$5.01)

DETAIL 6 NO SCALE
SLAB ON GRADE JOINTS (\$5.01)



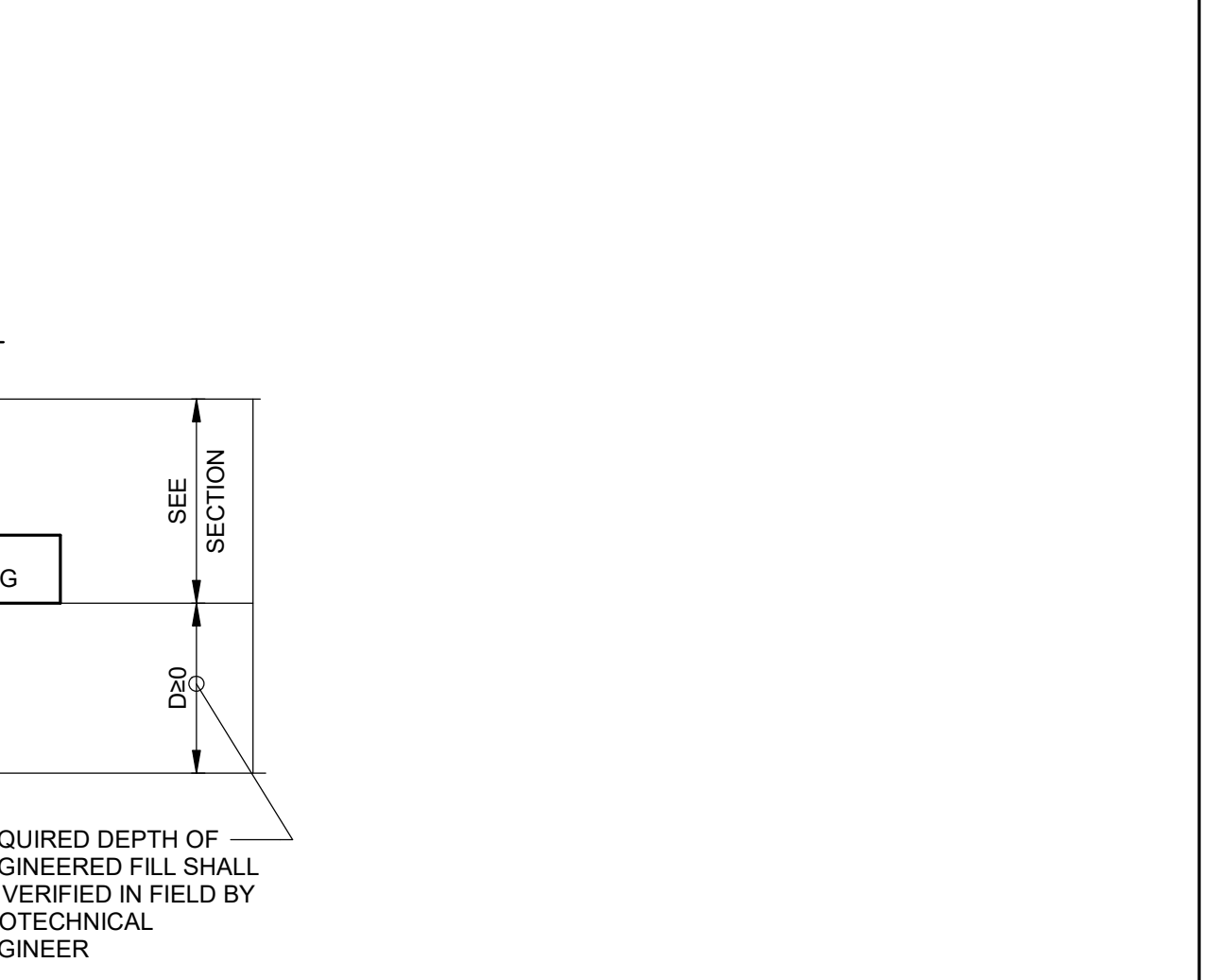
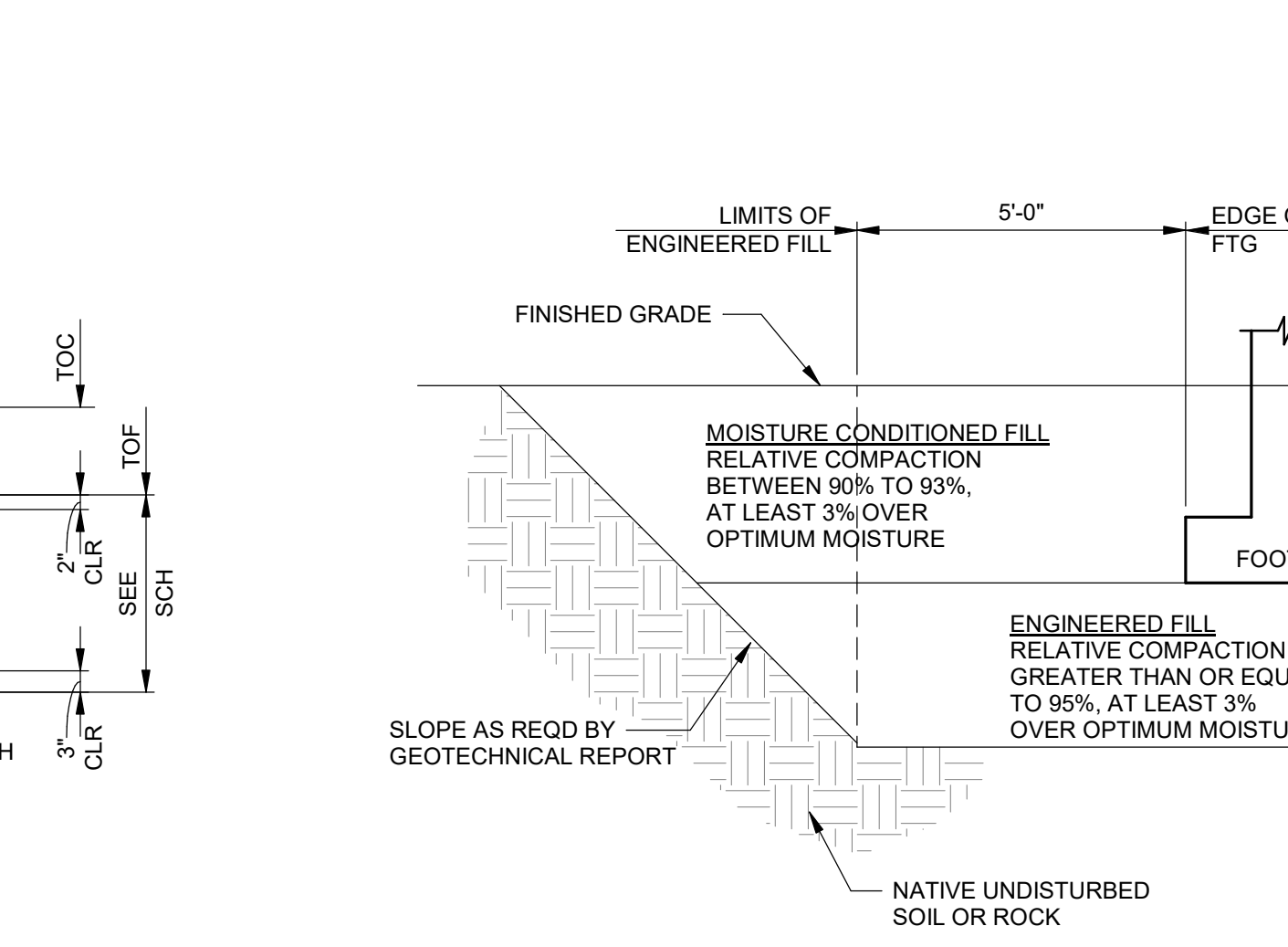
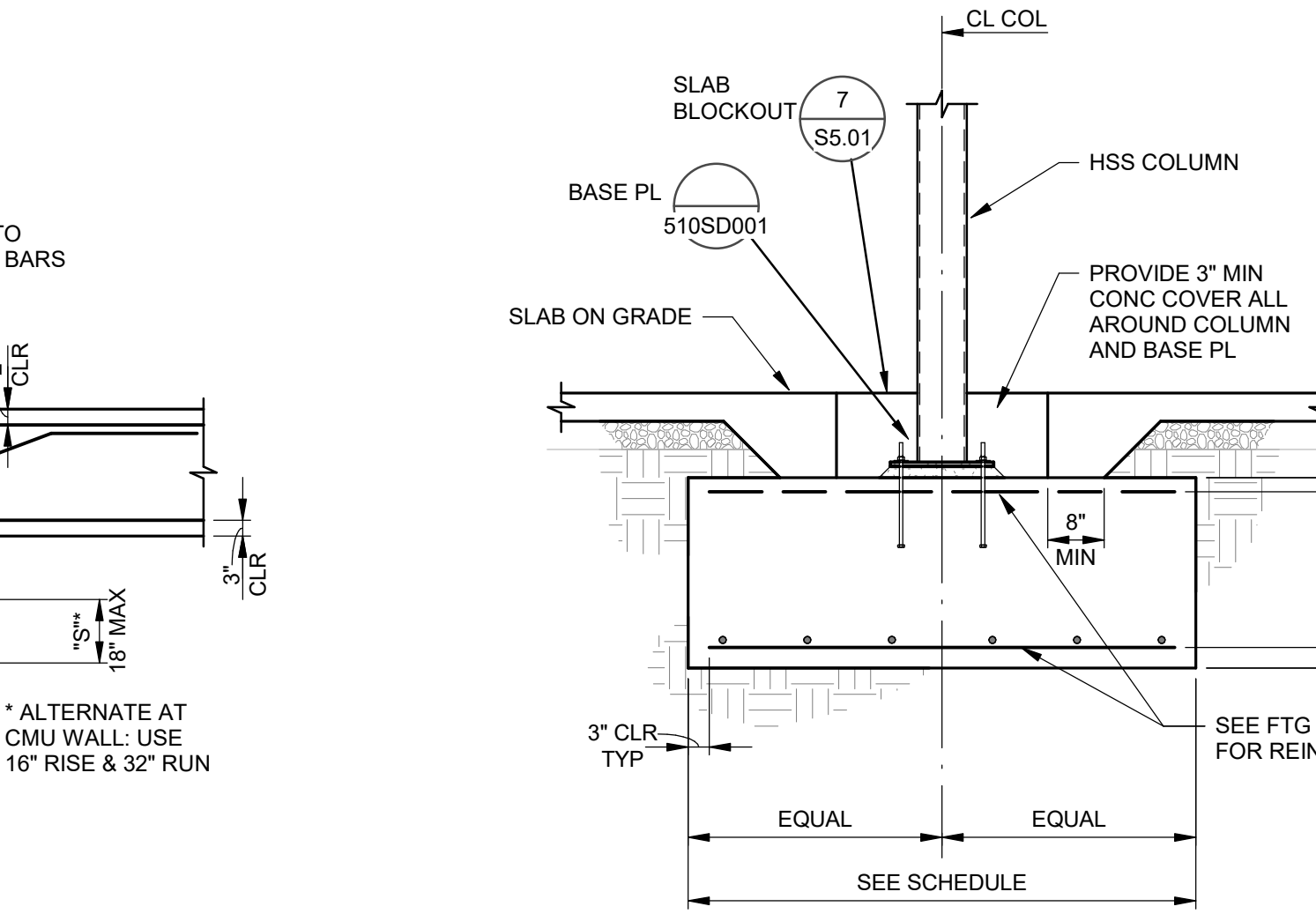
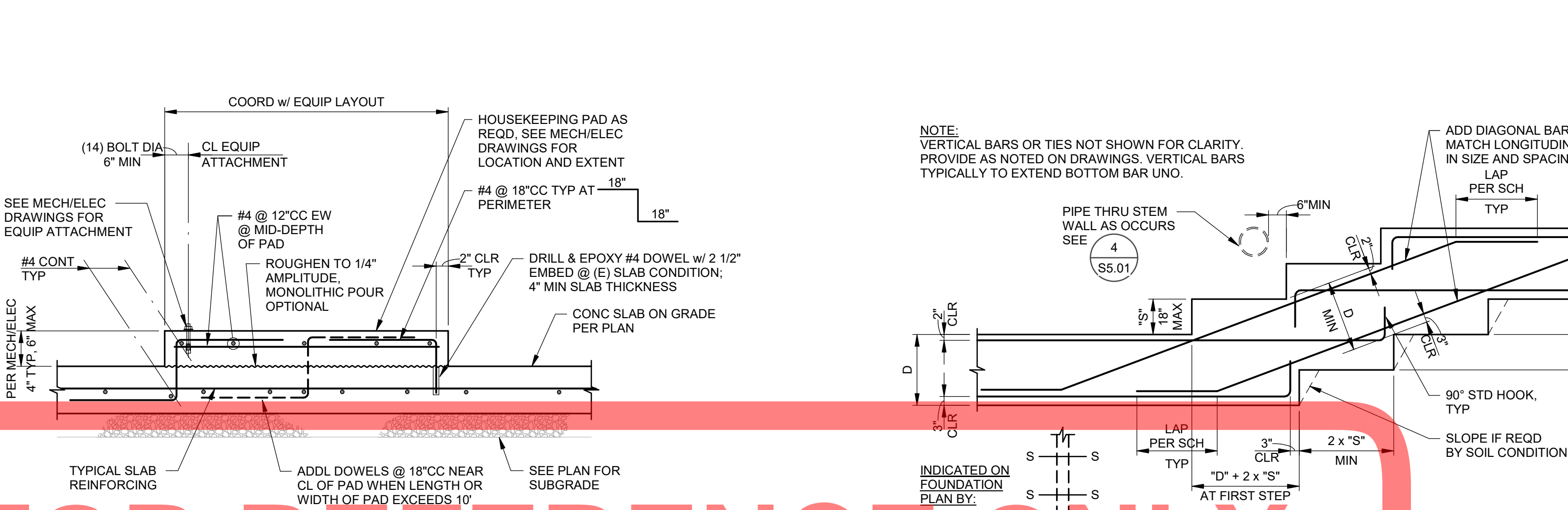
DETAIL 7 NO SCALE
SLAB ON GRADE BLOCKOUT (\$5.01)

DETAIL 8 NO SCALE
SLAB DEPRESSION (\$5.01)

DETAIL 9 NO SCALE
STEP IN SLAB (\$5.01)

DETAIL 10 NO SCALE
CURB AT SOG (\$5.01)

DETAIL 11 NO SCALE
CURB AT SLAB DEPRESSION (\$5.01)



DETAIL 12 NO SCALE
HOUSEKEEPING PAD AT SLAB ON GRADE (\$5.01)

DETAIL 13 NO SCALE
FOOTING STEP (\$5.01)

DETAIL 14 NO SCALE
SPREAD FOOTING (\$5.01)

DETAIL 15 NO SCALE
ENGINEERED FILL (\$5.01)

FOR REFERENCE ONLY

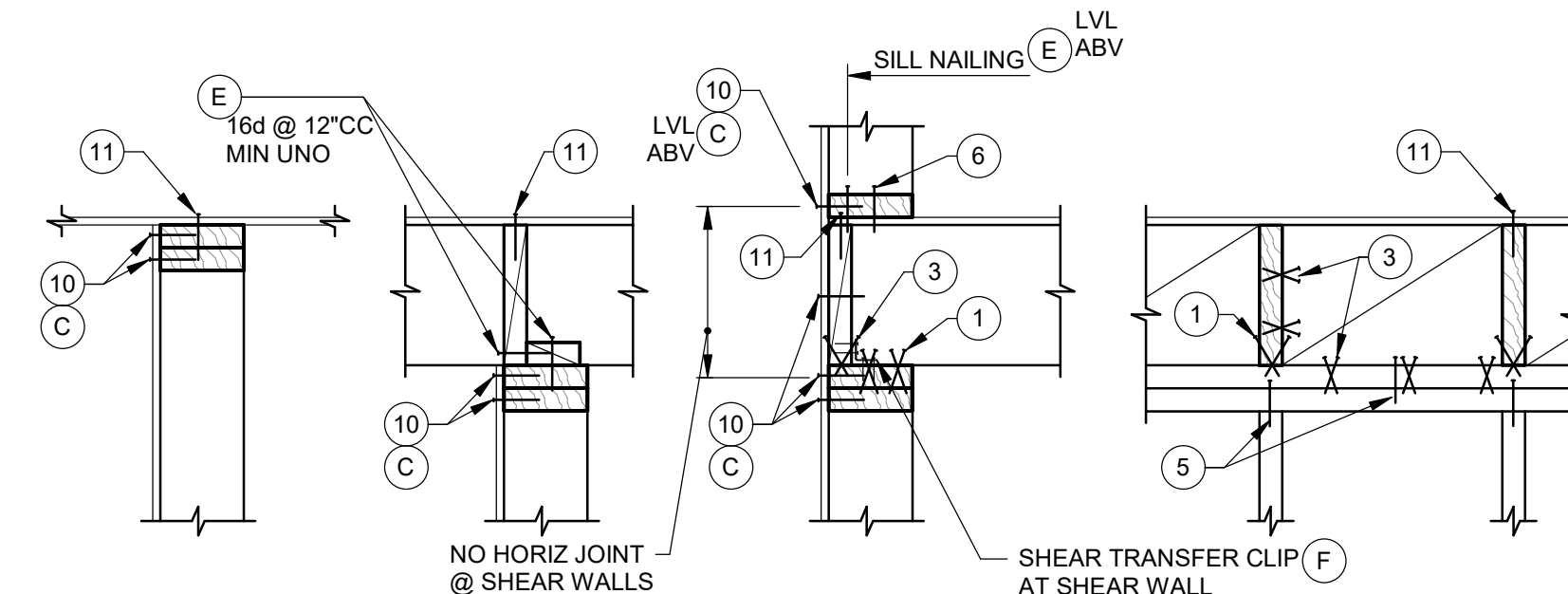
TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

NAILING SCHEDULE	
ALL NAILS FOR STRUCTURAL WORK SHALL BE COMMON WIRE NAILS UNO, CONFORMING TO THE FOLLOWING MINIMUM SIZES:	
8d	- 0.131" SHANK DIA (0.281" HEAD DIA) x 2-1/2"
10d	- 0.148" SHANK DIA (0.312" HEAD DIA) x 3"
10d SHORT	- 0.148" SHANK DIA (0.312" HEAD DIA) x 1 1/2"
16d	- 0.182" SHANK DIA (0.344" HEAD DIA) x 3 1/2"
20d	- 0.192" SHANK DIA (0.406" HEAD DIA) x 4"
2x4 BOX	- 0.148" SHANK DIA (0.375" HEAD DIA) x 4"
4x4 BOX	- 0.182" SHANK DIA (0.406" HEAD DIA) x 5"
RSRS-03	- 0.131" SHANK DIA (0.281" HEAD DIA) x 2 1/2" (ROOF SHTG RING SHANK)

HOLES SHALL BE PRE-DRILLED WHERE NECESSARY TO PREVENT SPLITTING. NAILING NOT NOTED BELOW OR ON PLANS SHALL BE A MINIMUM OF TWO NAILS AT EACH CONTACT. 8d FOR 1x MATERIAL AND 16d FOR 2x MATERIAL.

- JOISTS OR RAFTERS — SAWS LUMBER BRG ON PLATES
- JOISTS BRG ON PLATES
- LAPPED TO SIDES OF STUDS
- STUDS TO BEARINGS — 2x4 STUDS (3x, 4x SIM)
- 2x6 AND 2x8 STUDS
- 2x10 AND 2x12 STUDS
- BLOCKING — BETWEEN JOISTS, RAFTERS OR STUDS
- BETWEEN JOIST OR RAFTER BEARINGS (PLATES) — TO DBL TOP PLATES
- CONTINUOUS RIM — TO DBL TOP PLATES
- LEDGERS — TO STUDS
- DOUBLE TOP PLATES — LOWER PLATE TO 2x4 STUD — LOWER PLATE TO 2x6 OR 2x8 STUD
- SILL PLATES — TO PARALLEL FRAMING — 16d @ 12" CC — TO PERPENDICULAR FRAMING — EACH CONTACT — 16d @ 12" CC
- MULTIPLE STUDS — STAGGER FOR WIDTHS MORE THAN 4" — 16d @ 12" CC
- BUILT UP BEAMS — (2) 2x MEMBERS, TOP AND BOTTOM — 16d @ 12" CC CLINCHED 3 OR MORE 2x MEMBERS — 1/2" DIA BOLTS @ 12" CC STAGGERED
- CEILING STRIPPING — HOLES SHALL BE PRE-DRILLED FOR NAILS AT ENDS OF STRIPPING BOARDS. WHERE CEILING IS PLASTER OR 9/8" GYPSUM USE ANNULAR RING NAILS (NO SLANT).
- SHEAR WALL NAILING — SEE PLAN NOTES AND **S5.11**
- FLOOR OR ROOF NAILING — SEE PLAN NOTES AND **S5.11**
- NON-STRUCTURAL — AT EDGES AND INTERIOR — HDG CASING NAILS — 6d @ 6" CC SIDING SUPPORTS
- NON-STRUCTURAL — AT EDGES — NAILS TO MATCH SHEAR WALLS @ 6" CC SHEATHING — AT FIELD — NAILS TO MATCH SHEAR WALLS @ 12" CC
- USE DEFORMED SHANK NAILS FOR ALL FLOOR SHEATHING.
- ALL EXPOSED FASTENERS SHALL HAVE A ZINC-COATING CORROSION RESISTIVE SURFACE.
- NAILS USED INTO PRESSURE TREATED OR FIRE RETARDANT MATERIAL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123 OR STAINLESS STEEL.



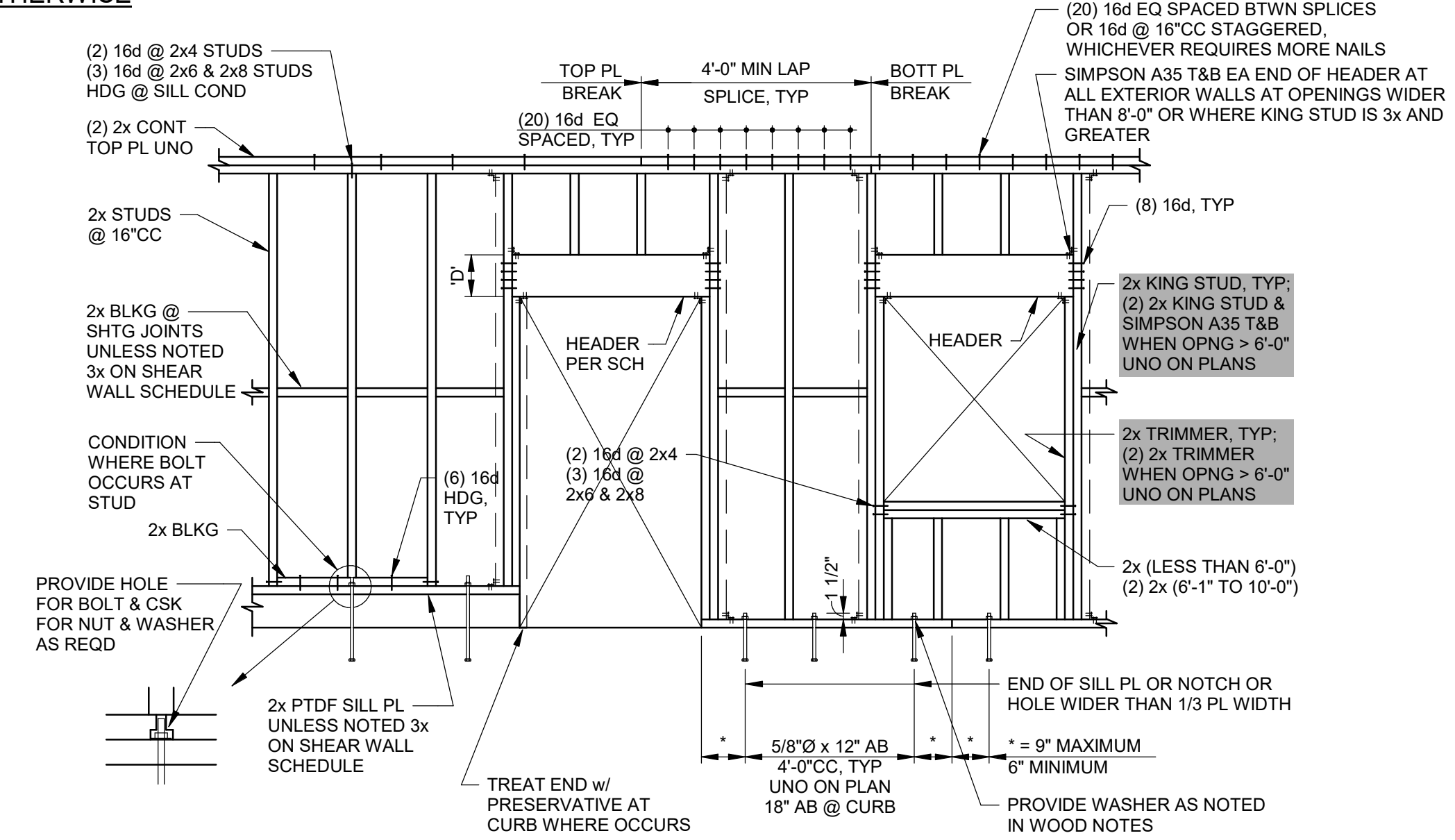
NOTES:
INDICATES CORRESPONDING NOTE FROM NAILING SCHEDULE. THIS IS THE MINIMUM REQUIRED NAILING. SHEAR WALL SCHEDULE NAILING SUPERCEDES THIS DETAIL.
X INDICATES CORRESPONDING NAILING FROM SHEAR WALL SCHEDULE **S5.12**.

DETAIL 1
TYPICAL NAILING
NO SCALE
S5.11

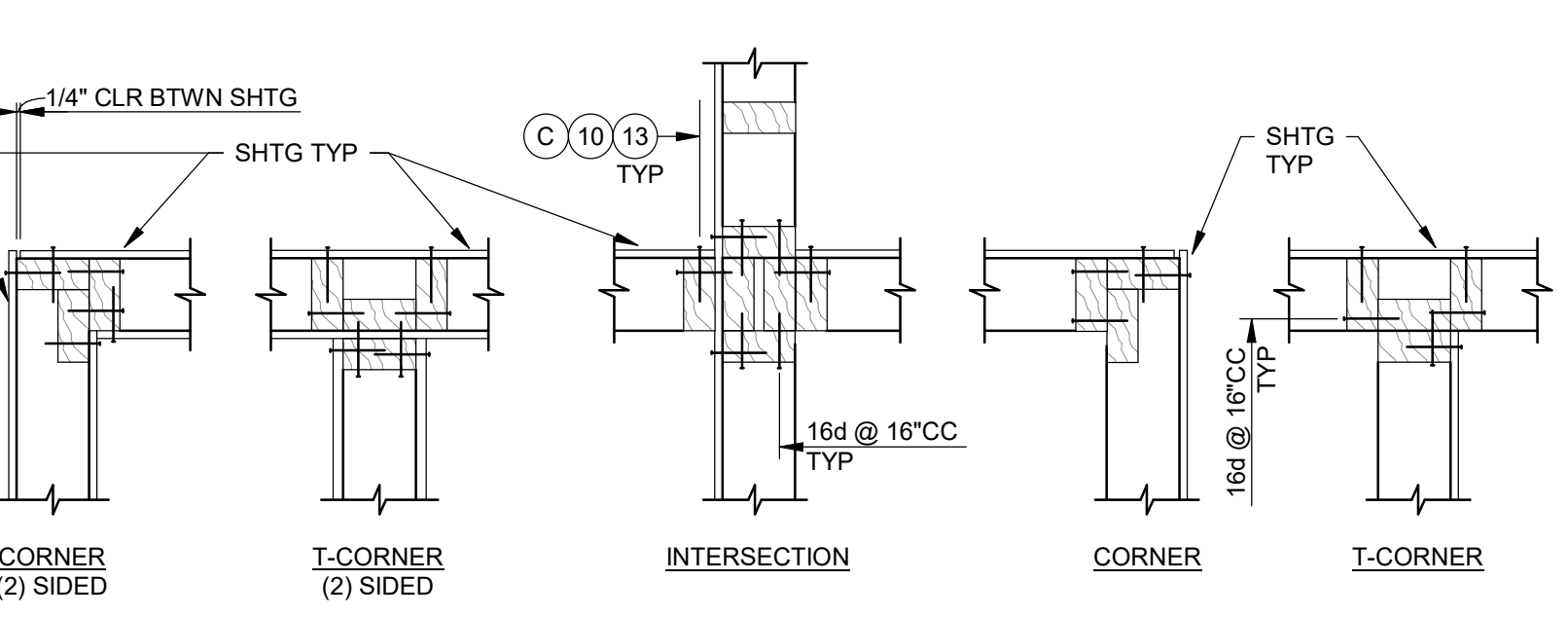
HEADER SCHEDULE	
WIDTH OF OPENING	NOMINAL HEADER DEPTH 'D'
0 TO 4'-0"	8"
4'-1" TO 6'-0"	10"
6'-1" TO 8'-0"	12"
> 8'-0"	SEE PLAN

TYP UNO ON PLAN OR IN PLAN NOTES

NOTES:
1. HEADER SHALL BE FULL WIDTH OF STUD WALL.
2. PROVIDE POSTS & ANCHORS AT HOLD-DOWNS WHERE OCCUR PER PLAN. SEE **S5.12**.
3. AT OPENINGS FOR MECH DUCTS, SEE **S5.12**.
4. FOR SHEAR WALL NAILING, SEE SCH AND **S5.12**.
5. LOCATE TOP PLATE BREAKS OVER STUDS.

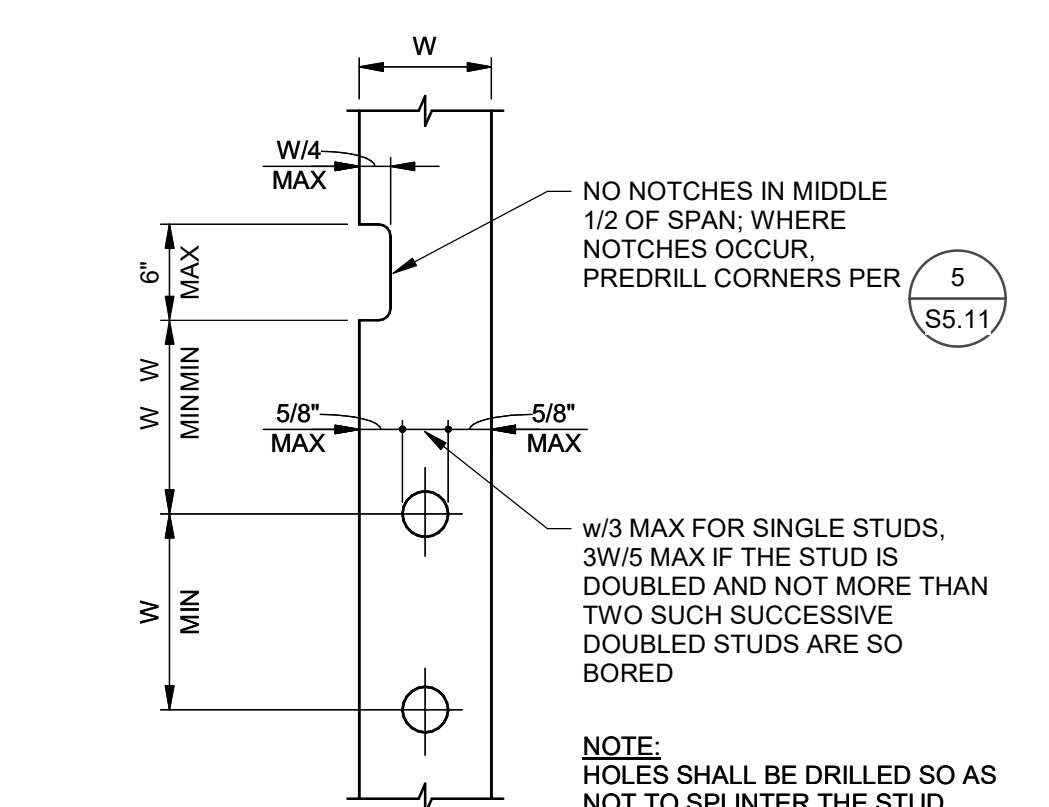


DETAIL 2
STRUCTURAL WALL FRAMING
NO SCALE
S5.11

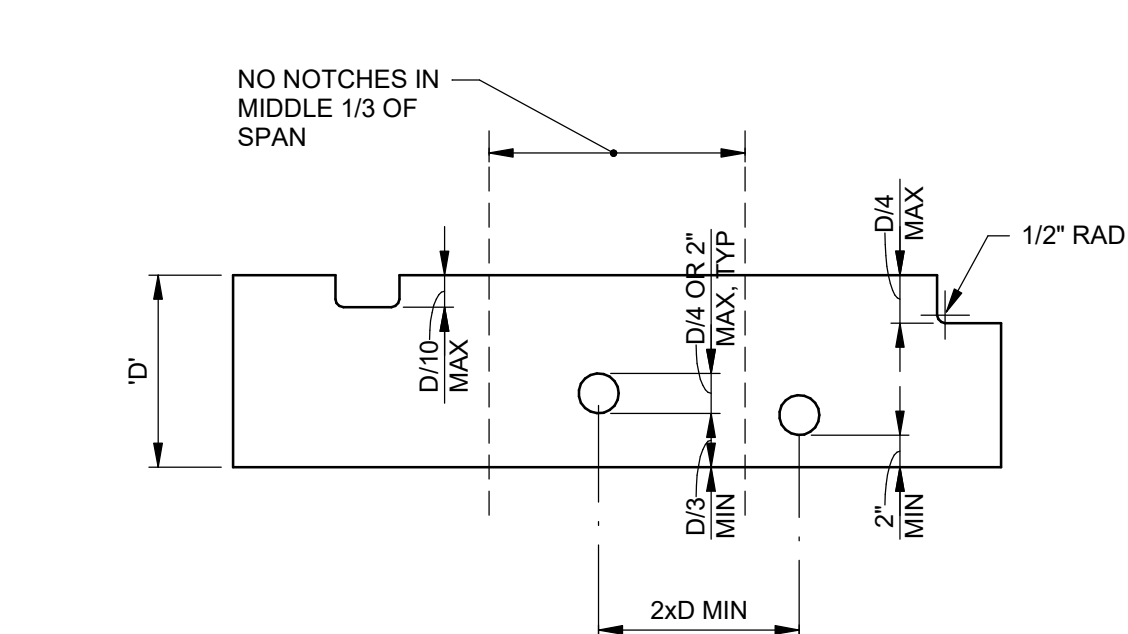


NOTES:
INDICATES CORRESPONDING NOTE FROM NAILING SCHEDULE ON GENERAL NOTES SHEET. THIS IS THE MINIMUM REQUIRED NAILING. SHEAR WALL SCHEDULE NAILING SUPERCEDES THIS DETAIL.
X INDICATES CORRESPONDING NAILING FROM SHEAR WALL SCHEDULE **S5.12**.

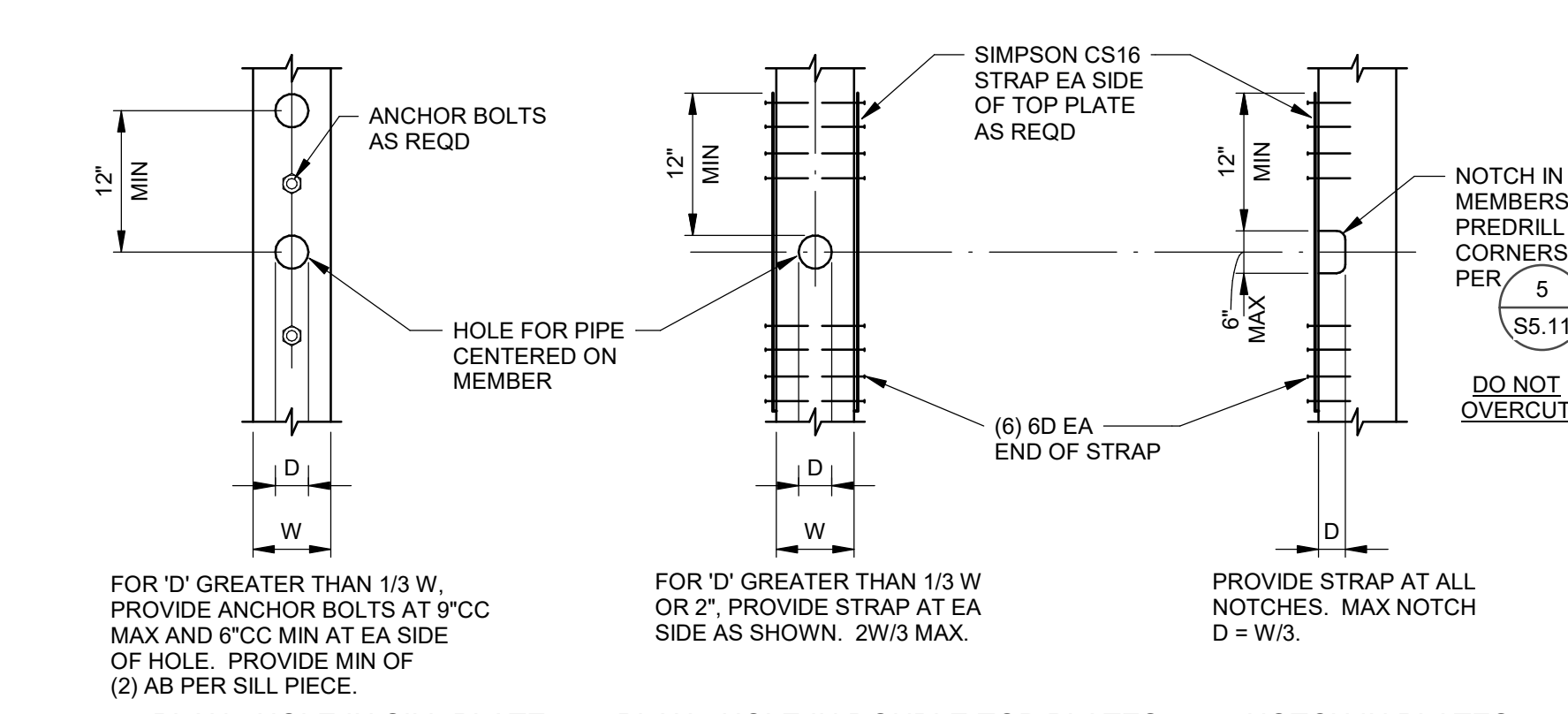
DETAIL 3
STRUCTURAL STUD FRAMING CONDITIONS
NO SCALE
S5.11



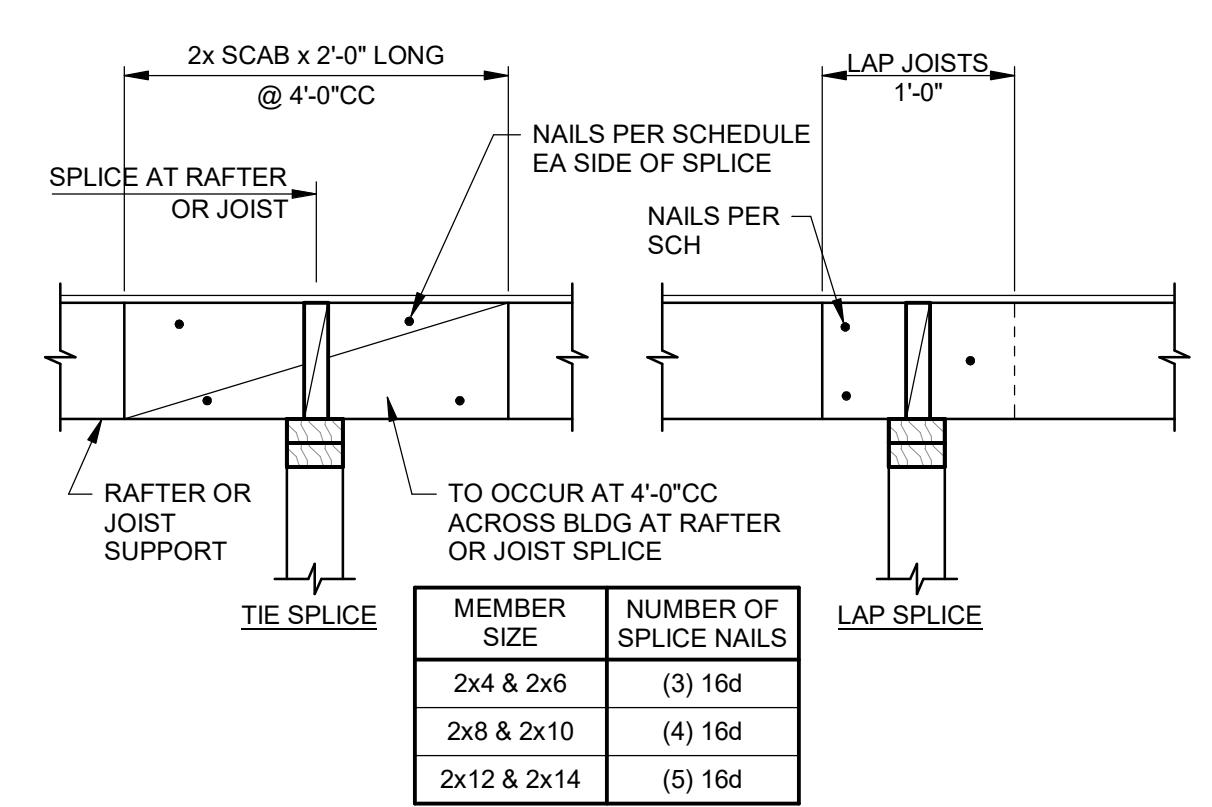
DETAIL 4
HOLE OR NOTCH AT STUD
NO SCALE
S5.11



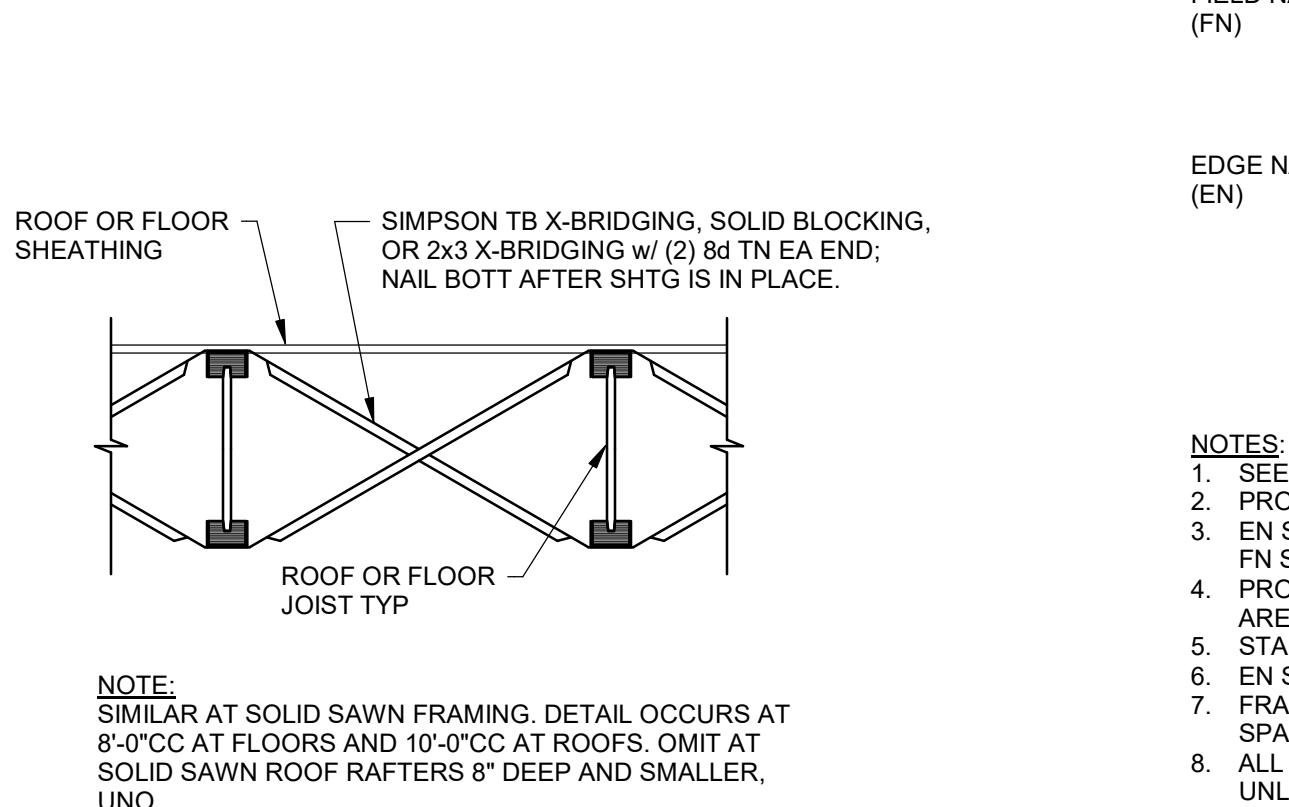
DETAIL 5
NOTCHES IN JOISTS & HEADERS
NO SCALE
S5.11



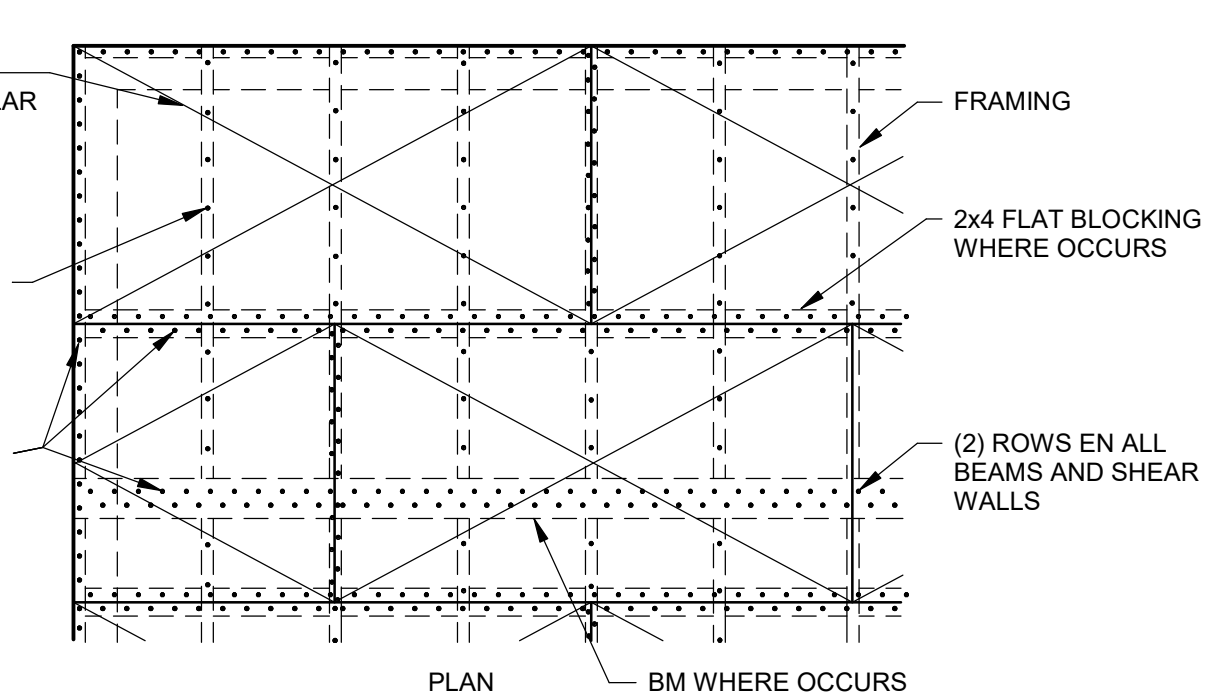
DETAIL 6
HOLE OR NOTCH THROUGH PLATES
NO SCALE
S5.11



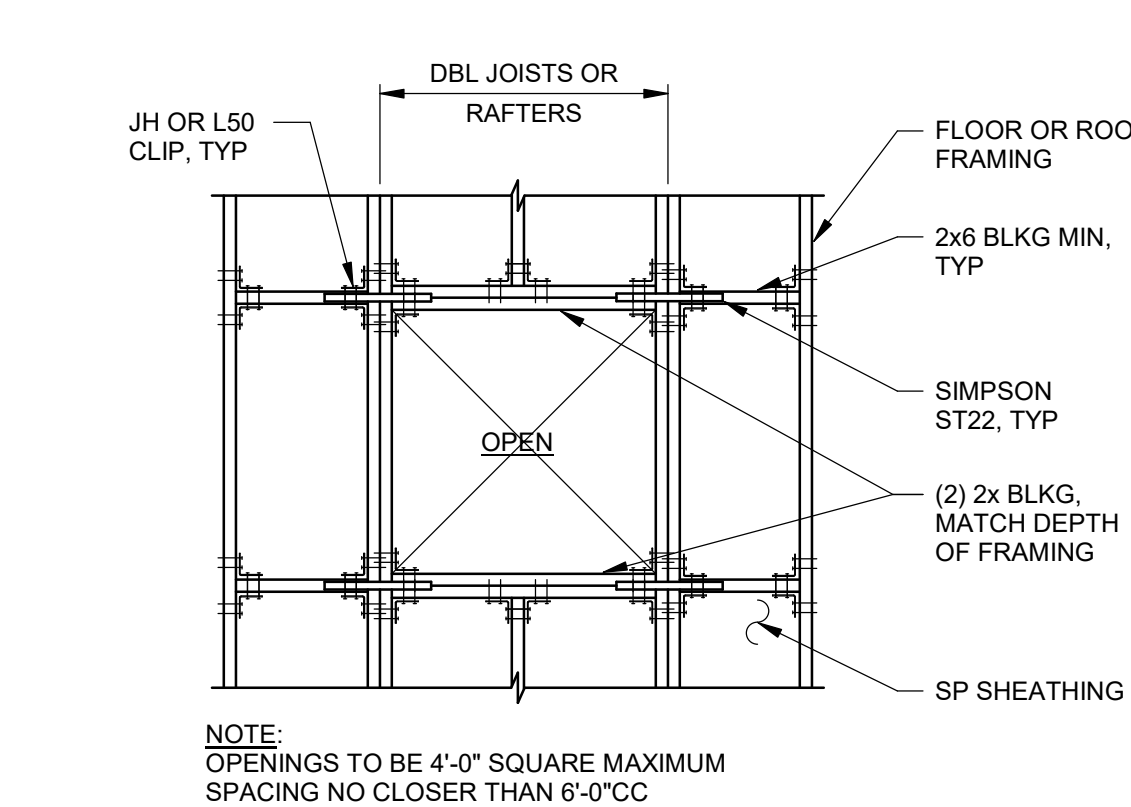
DETAIL 7
JOIST & RAFTER SPLICE
NO SCALE
S5.11



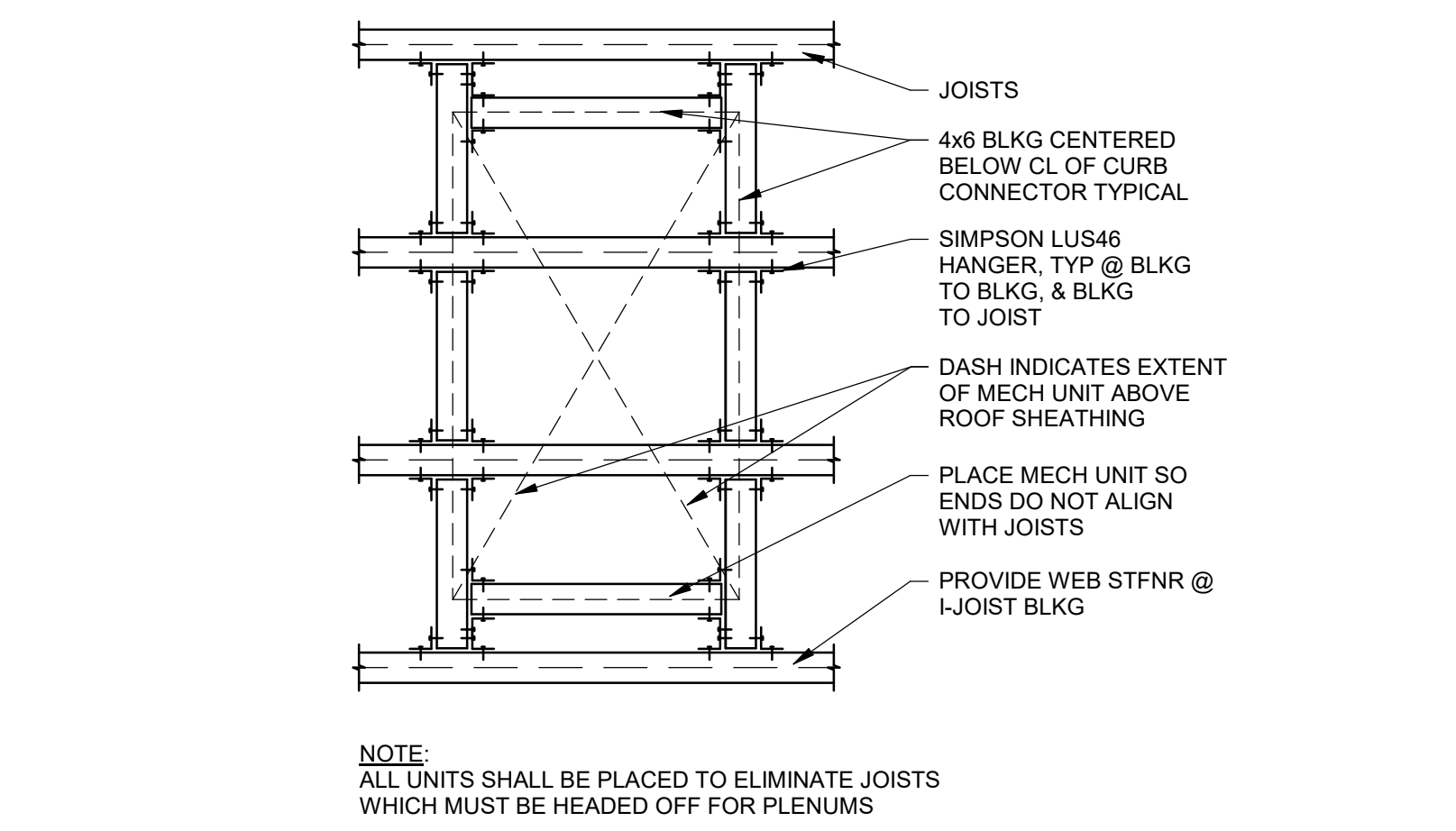
DETAIL 8
CROSS BRIDGING
NO SCALE
S5.11



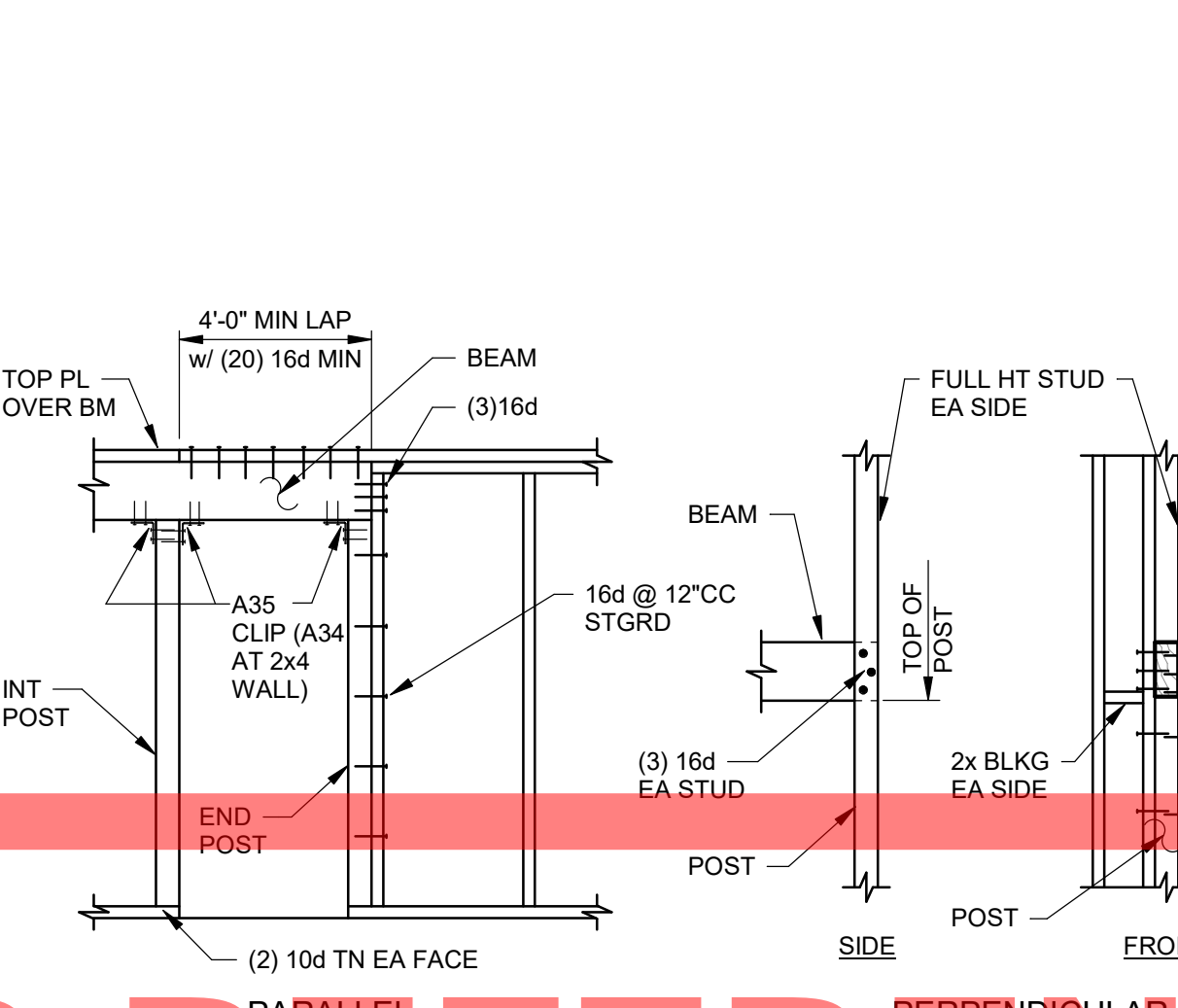
DETAIL 9
FLOOR & ROOF NAILING
NO SCALE
S5.11



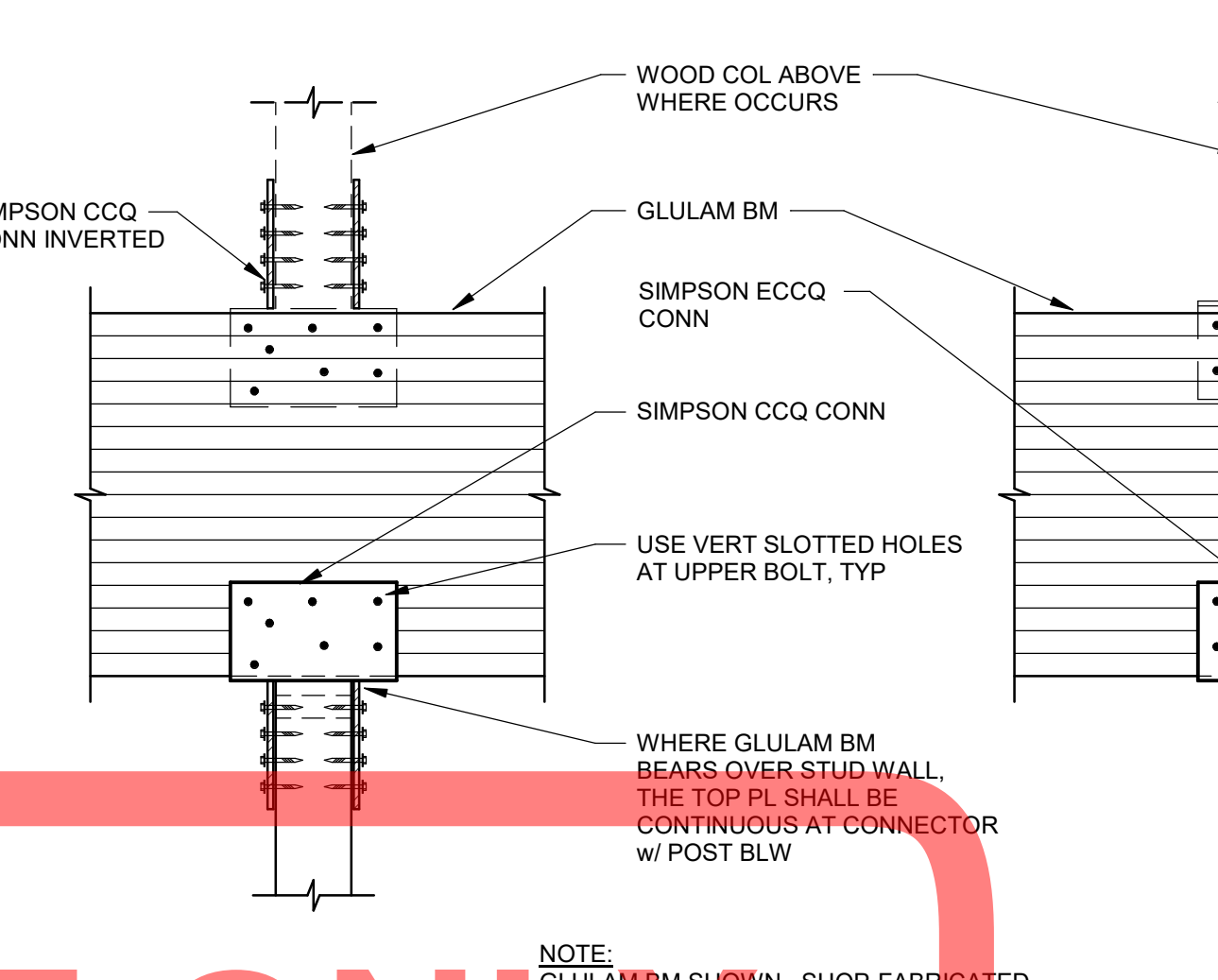
DETAIL 10
OPENING IN FLOOR OR ROOF
NO SCALE
S5.11



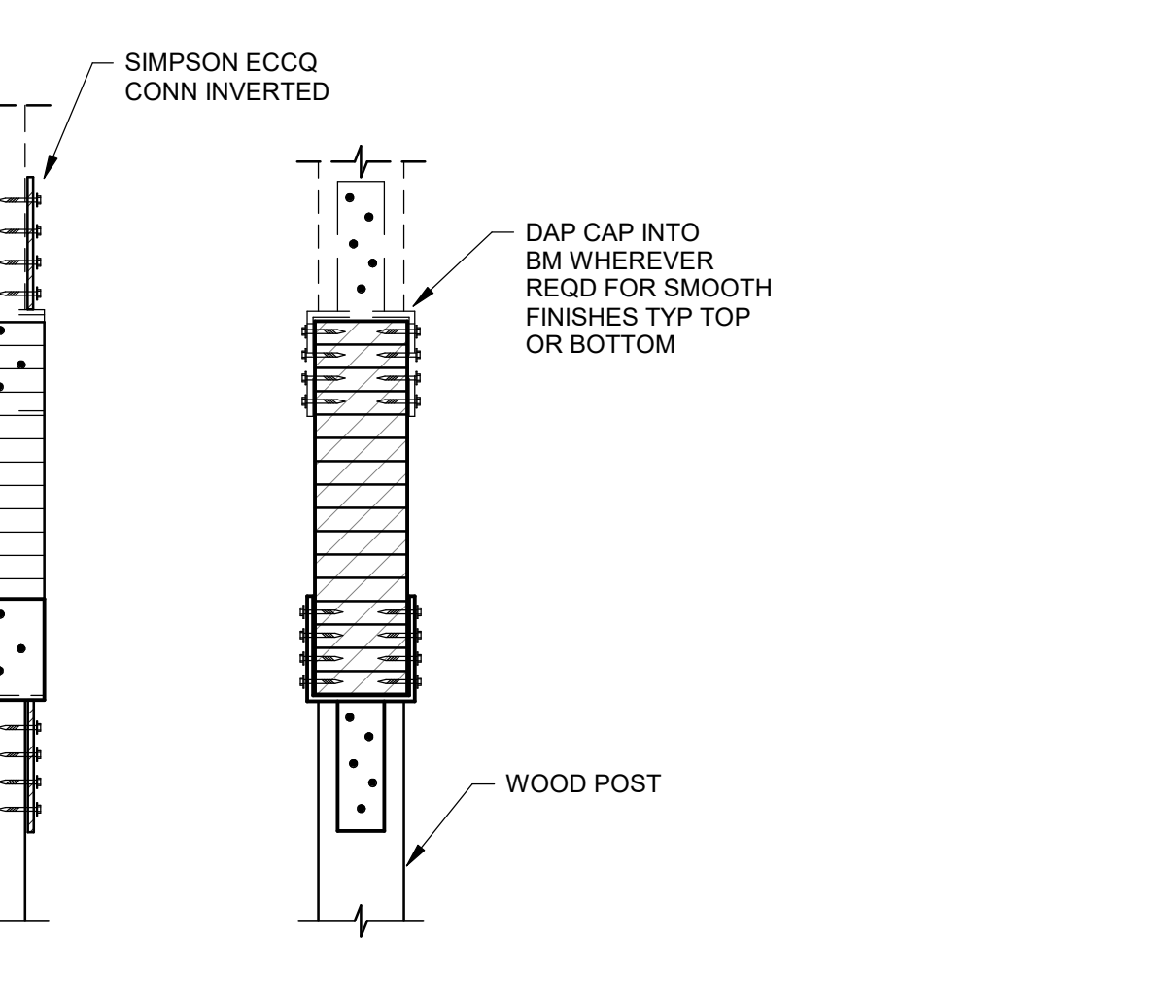
DETAIL 11
MECHANICAL SUPPORT AT JOISTS
NO SCALE
S5.11



DETAIL 12
POST & BEAM CONNECTION
NO SCALE
S5.11



DETAIL 13
BEAM AT POST W/ CAP
NO SCALE
S5.11



DETAIL 14
POST BASE
NO SCALE
S5.11

FOR REFERENCE ONLY

PROJECT No.: 7/5/2024 8:34:27 AM

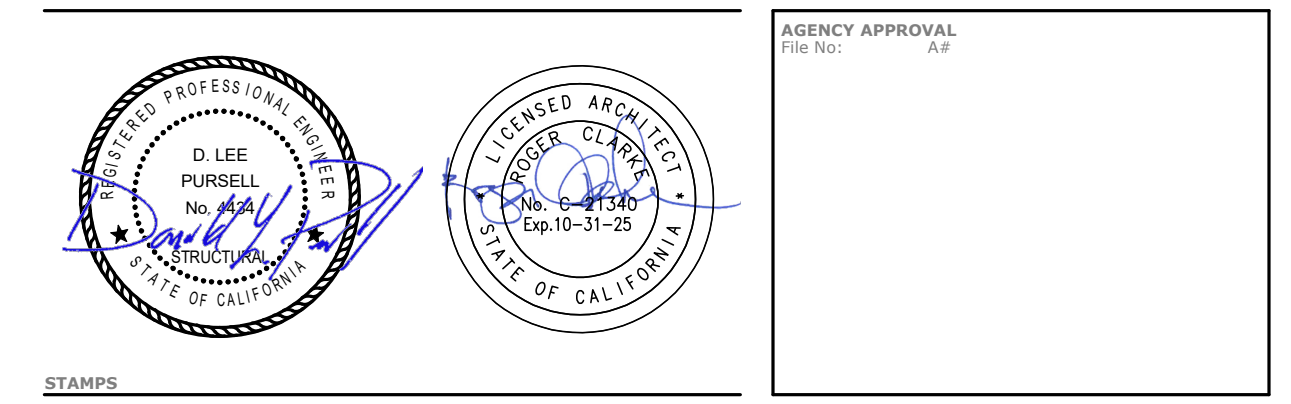
DATE	BY	CHKD BY	REV
	ADD	ADD	
	APP	APP	
	COO	COO	
	REV	REV	

RUHNAU CLARKE ARCHITECTS

KITCHEN UPGRADES AT MADISON E.S.

TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

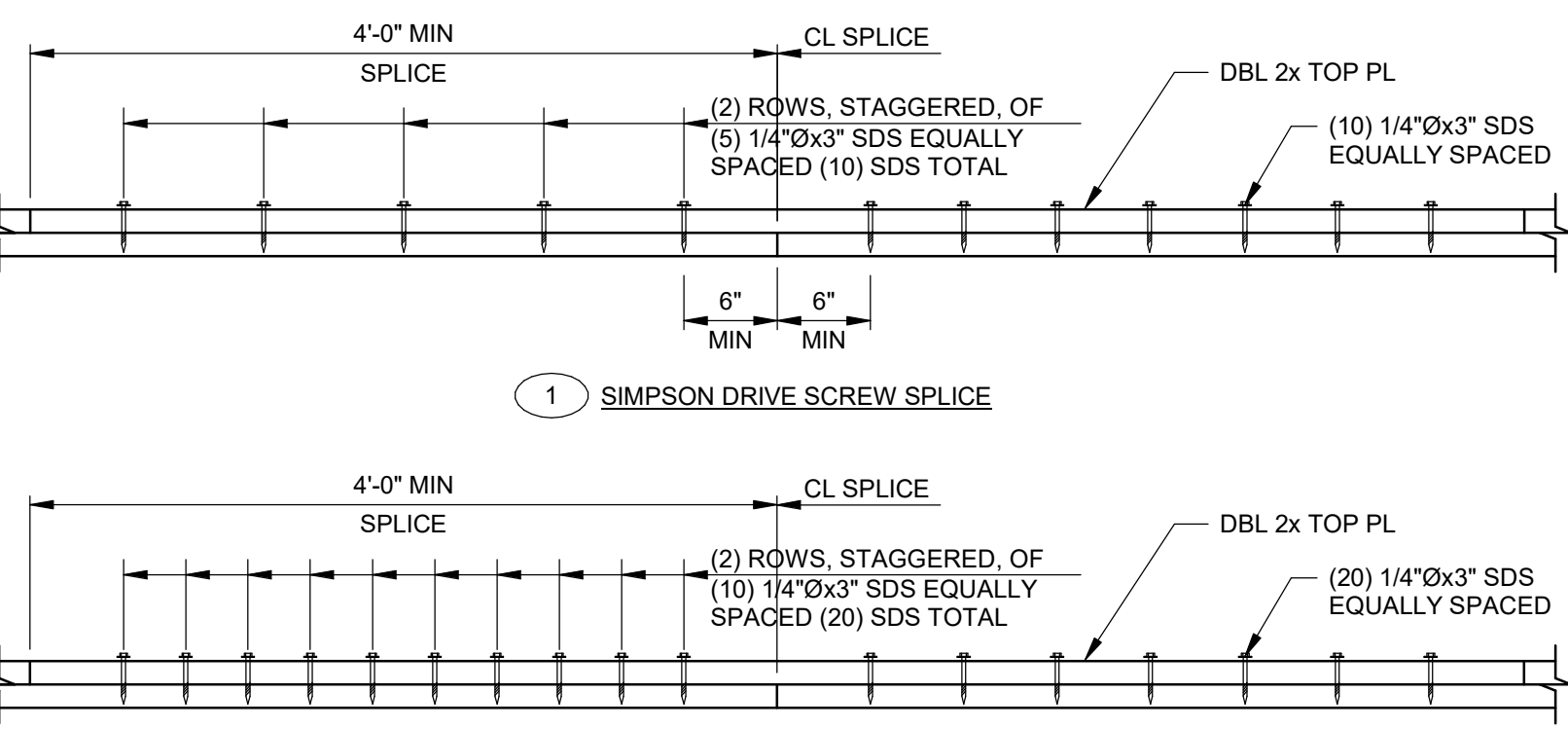
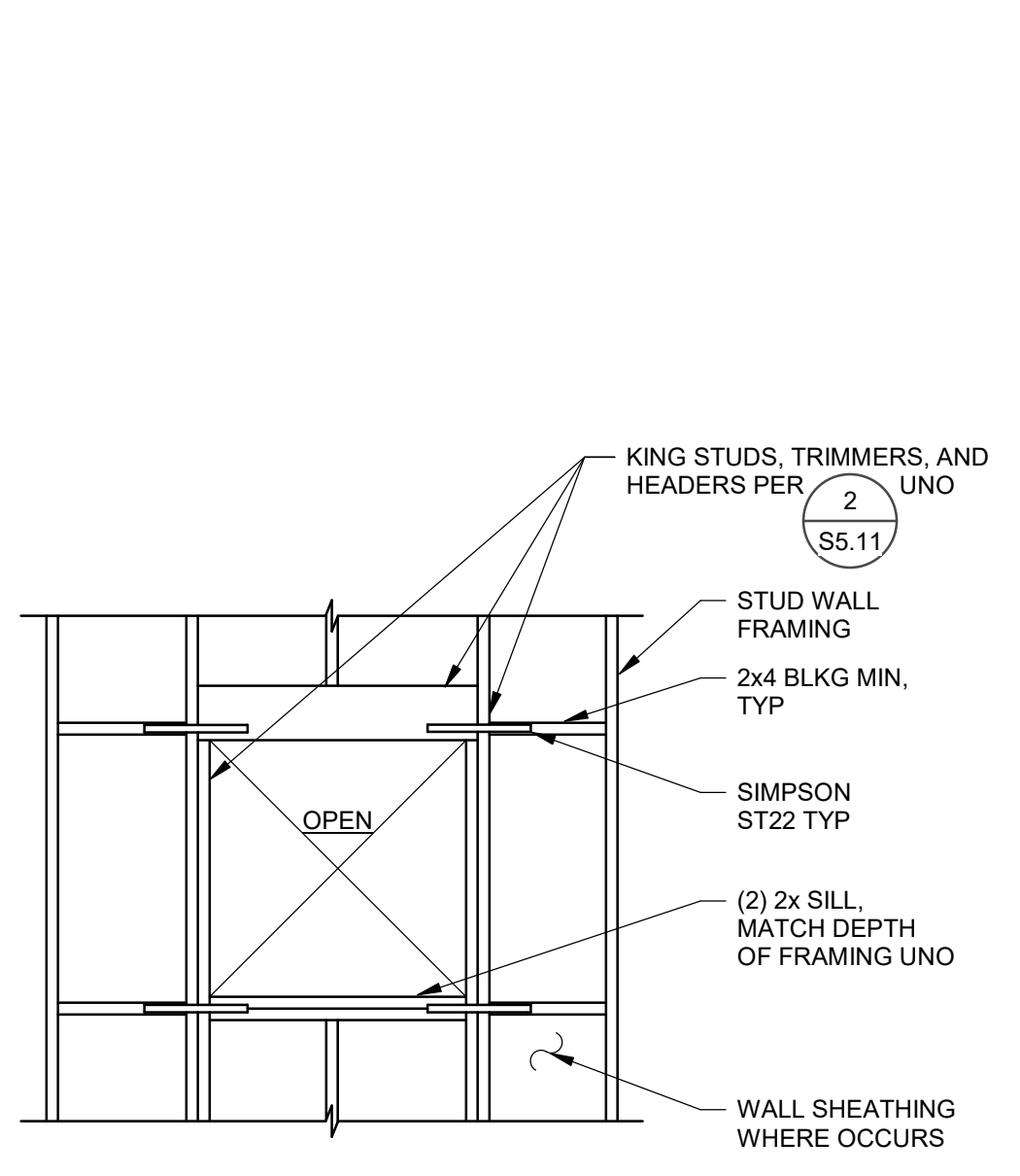
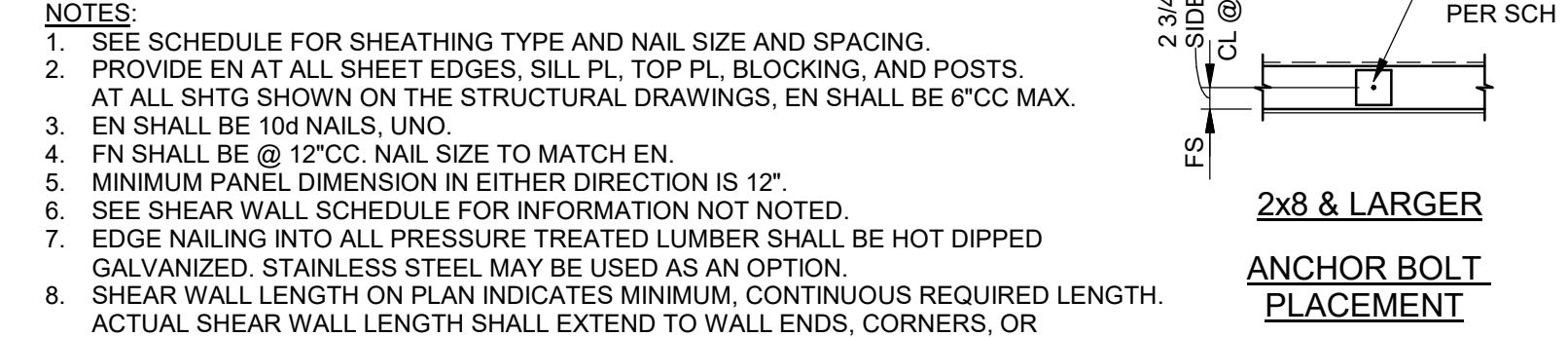
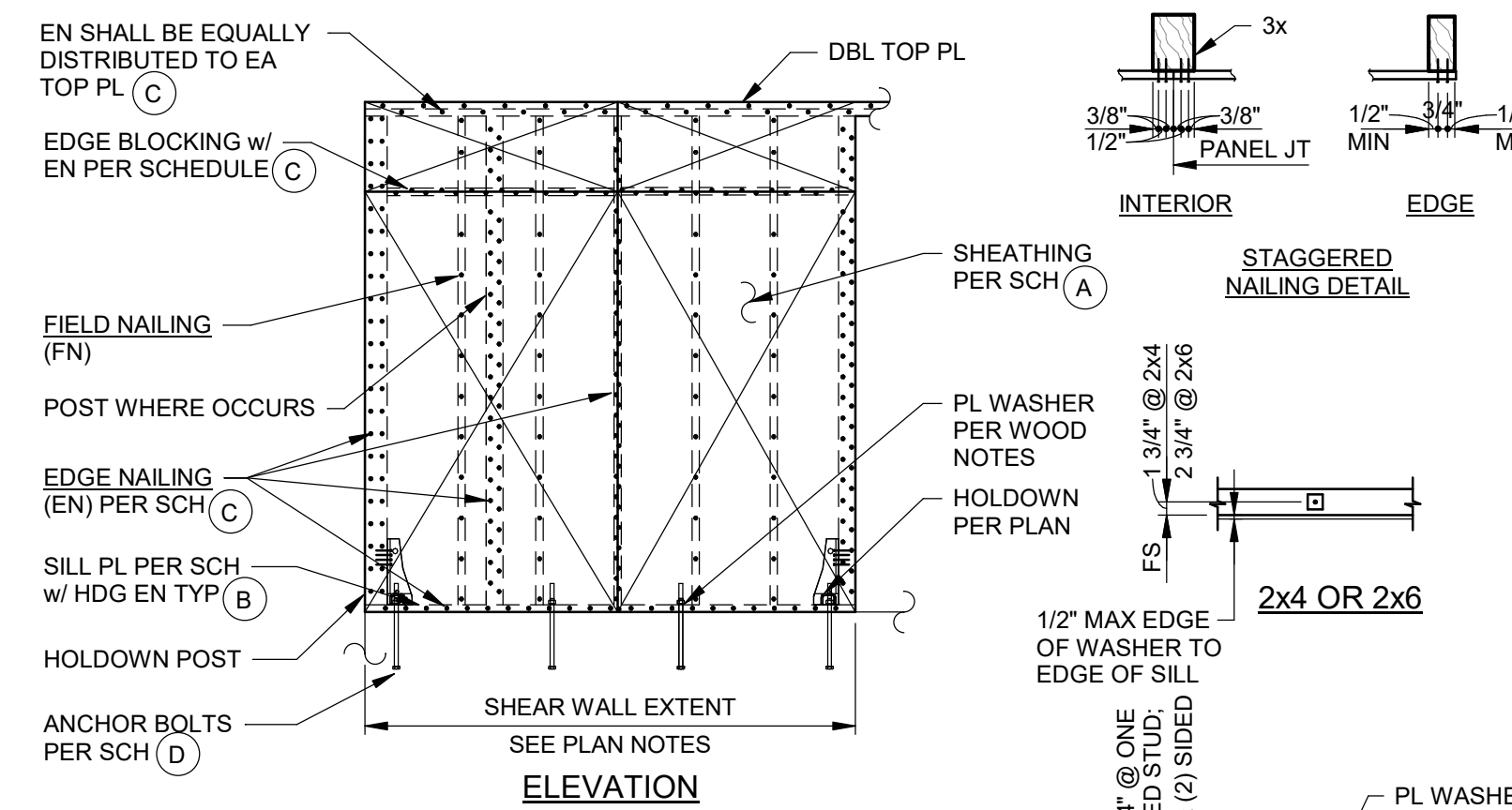


S5.12 SHEAR WALL SCHEDULE						
15/32" APA RATED SHEATHING						
Mk	SHEATHING MATERIAL (A)	STUDS & BLKG @ PANEL JOINTS (B)	SILL & TOP PLATES (C)	SHEATHING EDGE NAILING (D)	ANCHOR BOLT SPACING (E)	SHEAR/SILL TRANSFER FASTENERS (F)
1	15/32" SHTG ONE SIDE	2x	2x	10d @ 6"CC	5/8" @ 32"CC	SDS @ 8"CC @ 12"CC
2	15/32" SHTG ONE SIDE	2x	2x	10d @ 4"CC	5/8" @ 24"CC	SDS @ 6"CC @ 8"CC
3	15/32" SHTG ONE SIDE	3x	2x TYP UNO 3x @ FND	10d @ 3"CC STAGGERED	5/8" @ 24"CC	SDS @ 8"CC INTO RIM & 8"CC INTO 2x BLKG @ 8"CC
4	15/32" SHTG ONE SIDE	3x	2x TYP UNO 3x @ FND	10d @ 2"CC STAGGERED	5/8" @ 16"CC	SDS @ 8"CC INTO RIM & 8"CC INTO 2x BLKG @ 8"CC
5	15/32" SHTG (2) SIDES	ALL STUDS	2x TYP UNO 3x @ FND	10d @ 4"CC	5/8" @ 16"CC	SDS @ 6"CC INTO RIM & 8"CC INTO 2x BLKG @ 8"CC (2) SIDES
6	15/32" SHTG (2) SIDES	ALL STUDS	2x TYP UNO 3x @ SILL PL	10d @ 3"CC STAGGERED	5/8" @ 12"CC	SEE SECTION OR DETAIL
7	15/32" SHTG (2) SIDES	ALL STUDS	2x TYP UNO 3x @ SILL PL	10d @ 2"CC STAGGERED	5/8" @ 8"CC	SEE SECTION OR DETAIL

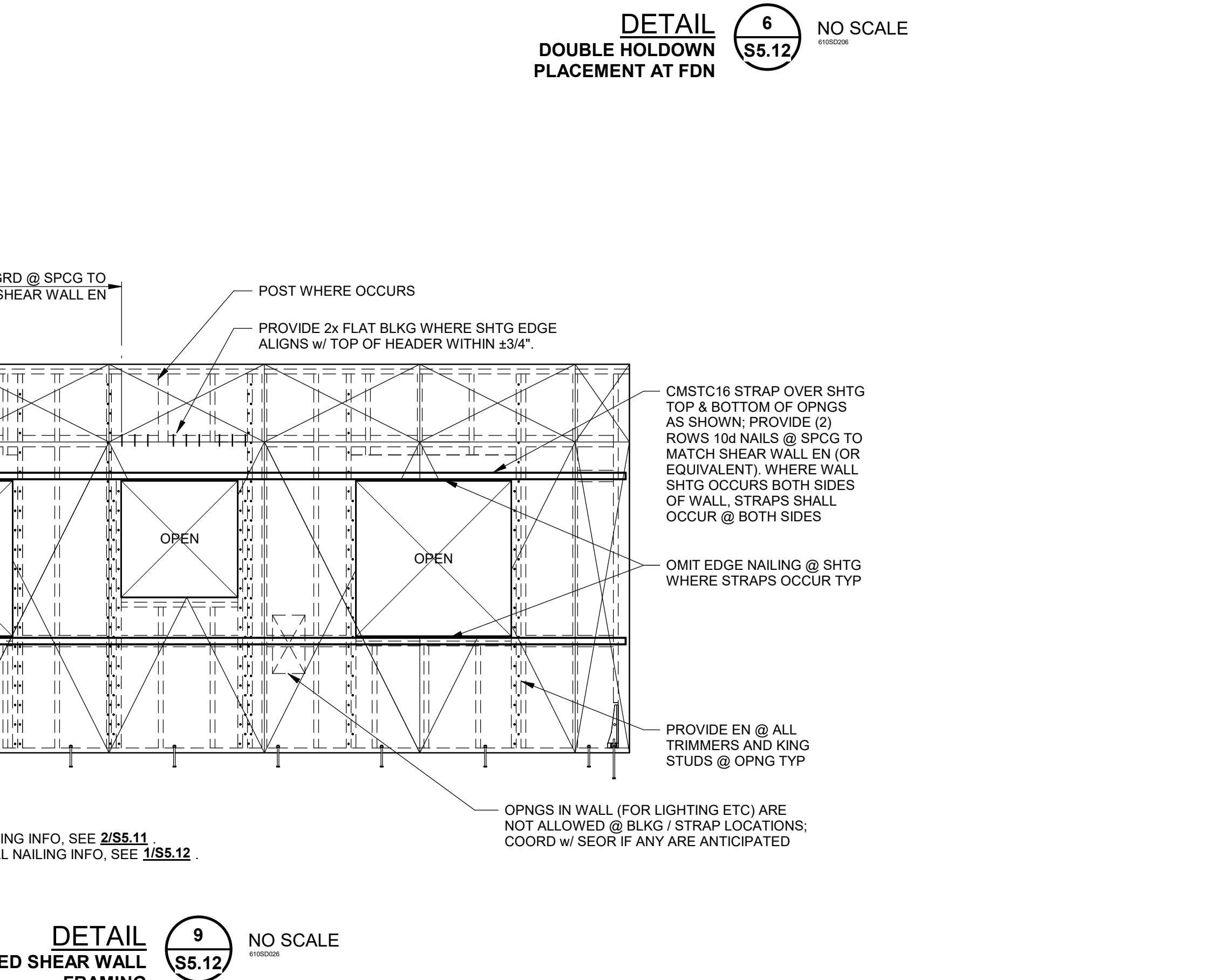
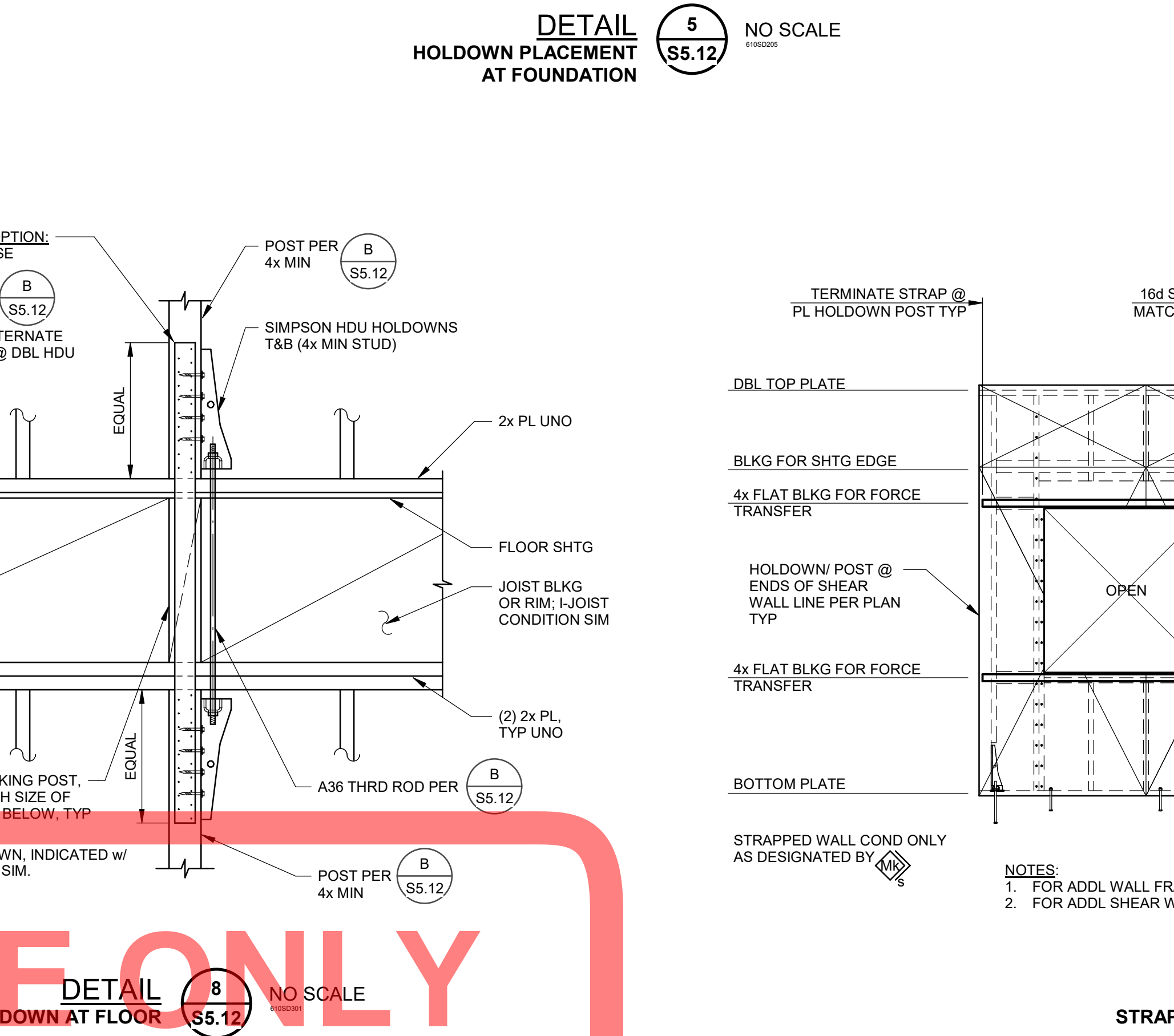
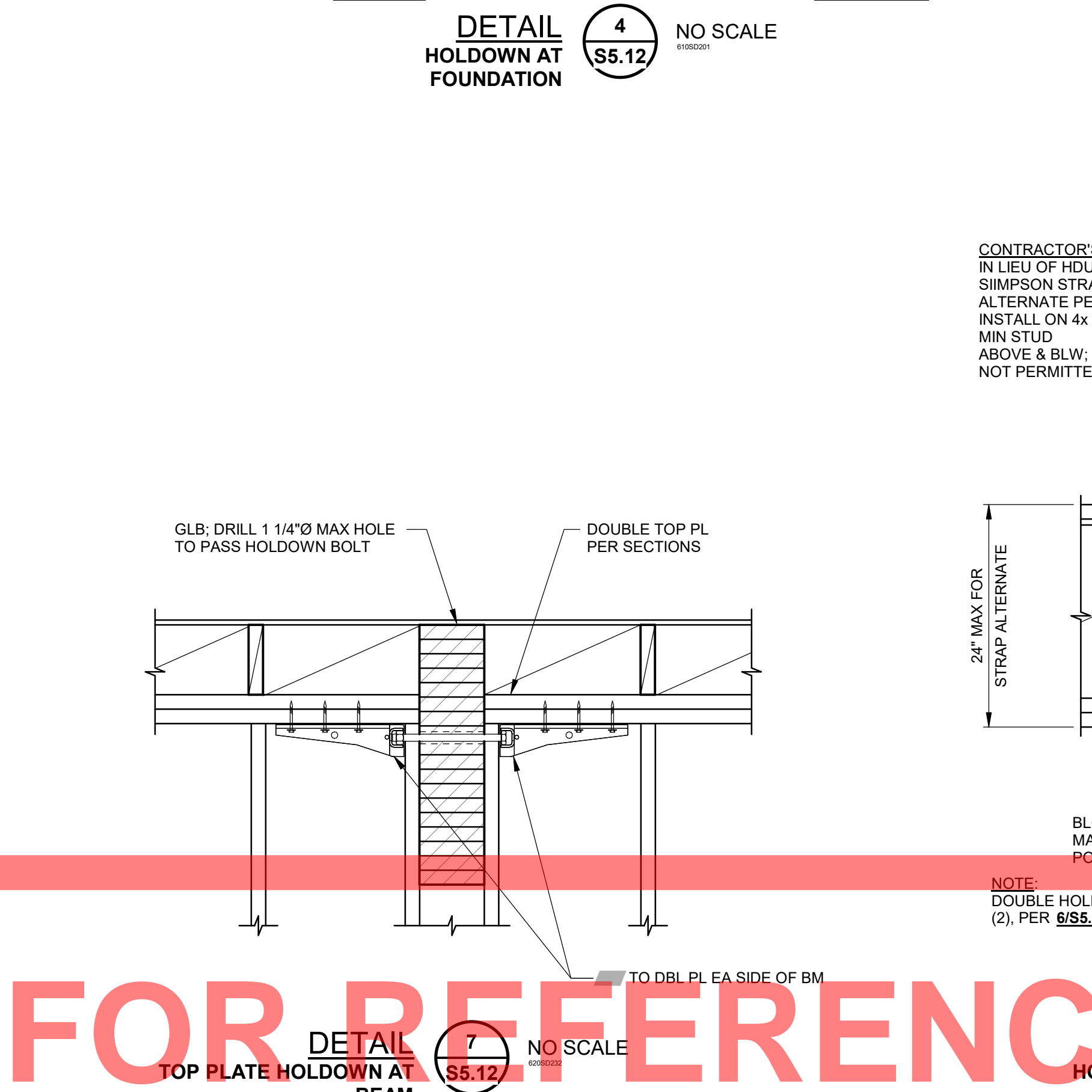
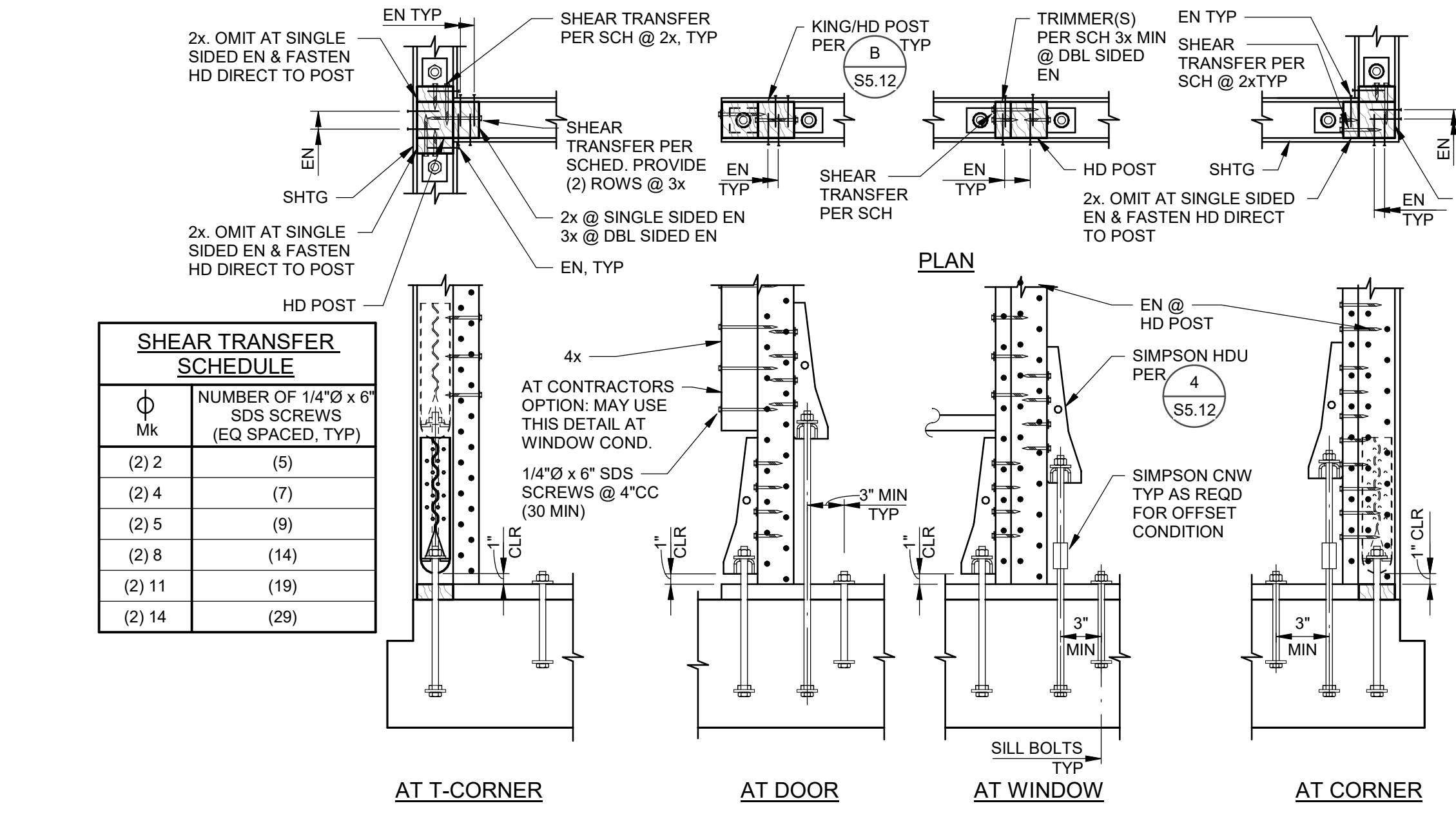
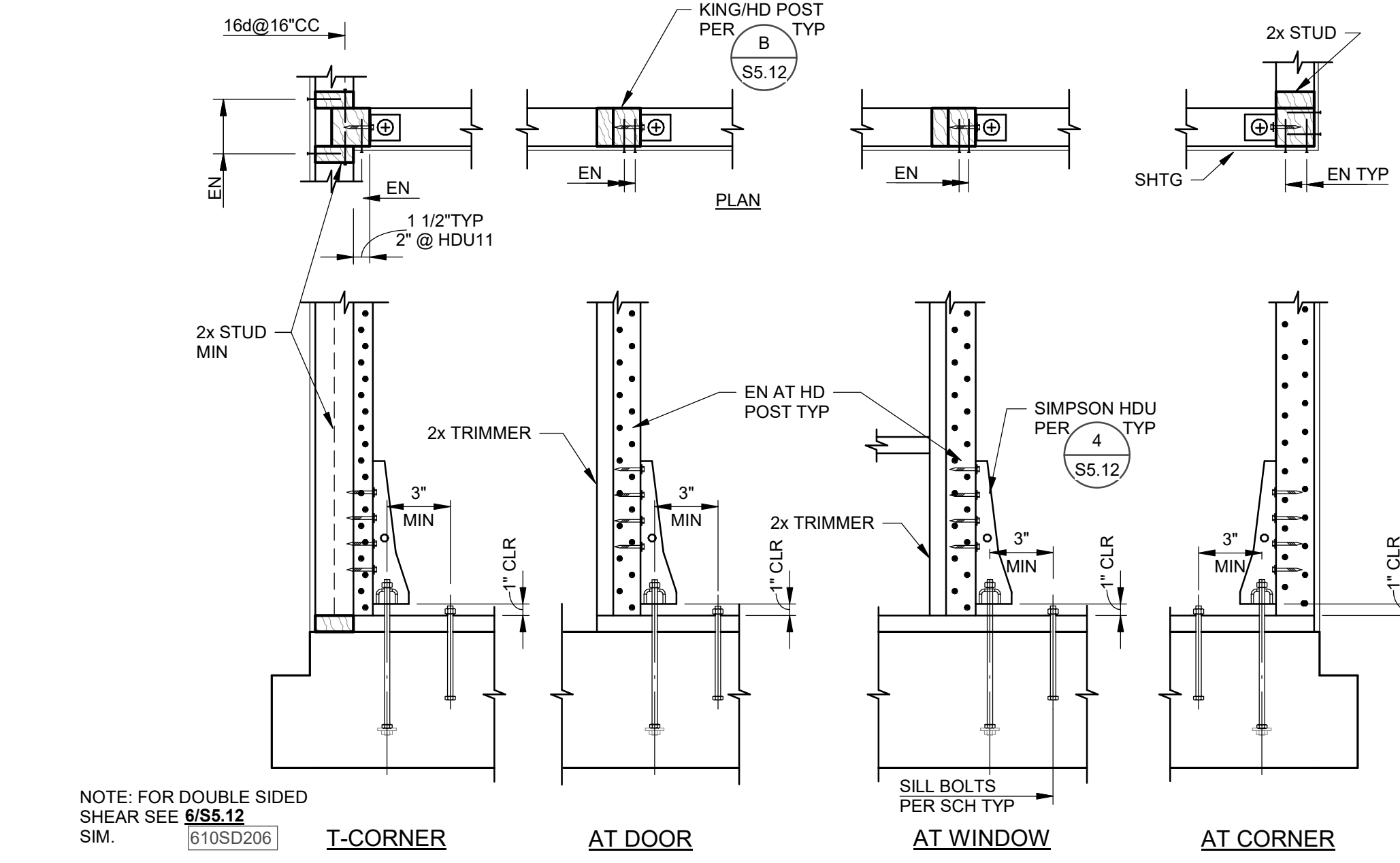
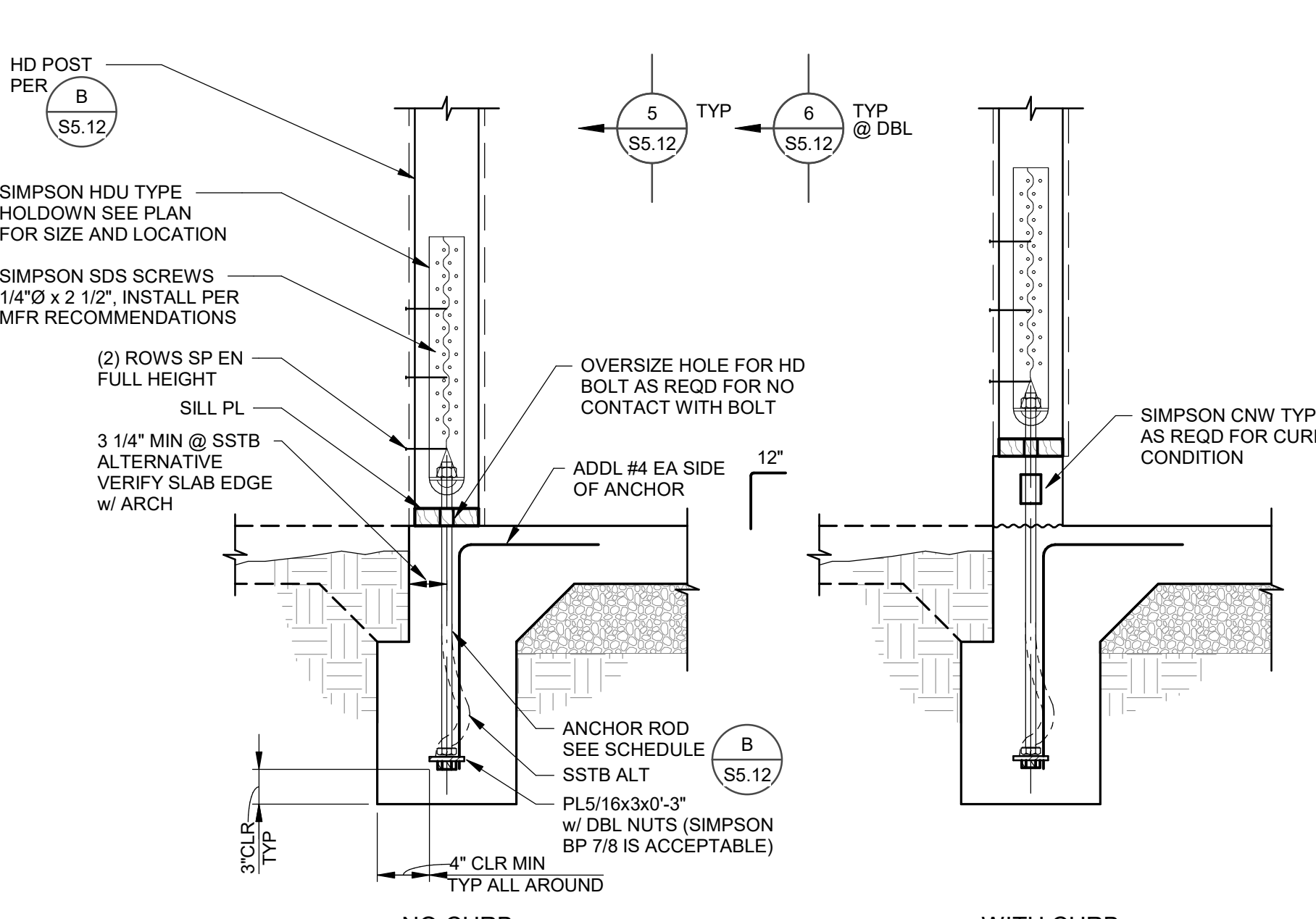
NOTES:
 A. APA RATED SHEATHING GRADE.
 B. ALL TOP PLATES SHALL BE (2) 2x NOMINAL UNO ON SECTIONS OR DETAILS. NAILING SHALL BE STAGGERED BETWEEN PLATES.
 C. FOR SHEAR WALL NAILING AND FRAMING REQUIREMENTS, SEE 1/5.12.
 D. PROVIDE 12" LONG ANCHOR BOLTS EXCEPT AT CONCRETE OVER METAL DECK WHERE A MINIMUM OF 5" EMBEDMENT IS REQUIRED.
 E. PROVIDE 18" LONG ANCHOR BOLTS AT CURBS. TYP. SEE WOOD NOTES ON GENERAL NOTES SHEET FOR WASHER REQUIREMENTS.
 F. SHEAR/SILL FASTENERS ONLY REQUIRED WHERE INDICATED ON SECTIONS AND DETAILS. WHERE INDICATED, FASTENERS SHALL BE SIMPSON SDS 1/4" DIAMETER SCREWS x 4-1/2" LONG AT 2x SILLS AND 6" LONG @ 3x SILLS.
 G. SHEAR TRANSFER CLIPS ARE ONLY REQUIRED WHERE INDICATED ON SECTIONS AND DETAILS. WHERE INDICATED, CLIPS SHALL BE SIMPSON LTPA WITH 0.131x1/2" NAILS (INSTALLED WITH LONG DIMENSION HORIZONTAL) OR A35 CLIPS.

S5.12 HD ANCHOR AND POST SCHEDULE						
Mk	HOLDOWN	ROD DIAMETER	ALTERNATE ANCHOR @ FOUNDATION	ALTERNATE STRAP @ FLOOR FRAMING	POST @ SINGLE HD MINIMUM	POST @ DOUBLE HD MINIMUM
2	HDU2	5/8"	SSTB20 (16 5/8" MIN EMBED)	MSTC66	(2) 2x	4x
4	HDU4	5/8"	SSTB20 (16 5/8" MIN EMBED)	MSTC78	(2) 2x	4x
5	HDU5	5/8"	SSTB24 (20 5/8" MIN EMBED)	NONE	(2) 2x	4x
8	HDU8	7/8"	SSTB34 (28 7/8" MIN EMBED)	NONE	4x	6x
11	HDU11	1"	NONE	NONE	6x	8x
14	HDU14	1"	NONE	NONE	6x	8x

NOTES:
 1. HD ANCHORS DO NOT REPLACE SILL BOLTS AT FOUNDATION.
 2. DOUBLE HOLDDOWN CONDITION, INDICATED WITH (2).



NOTES:
 1. OPENINGS TO BE 4'-0" SQUARE MAXIMUM SPACING NO CLOSER THAN 6'-0"CC
 2. OPENINGS IN SHEAR WALLS NOT PERMITTED UNLESS SPECIFICALLY DETAILED ON PLAN
 FASTENERS WILL OCCUR AT EA SIDE OF SPLICE TO ESTABLISH CONTINUITY OF DBL TOP PL



FOR REFERENCE ONLY

PROJECT No.: 7/5/2024 8:34:28 AM

DATE	BY	CHECKED BY

RUHNAUCLARKE.COM

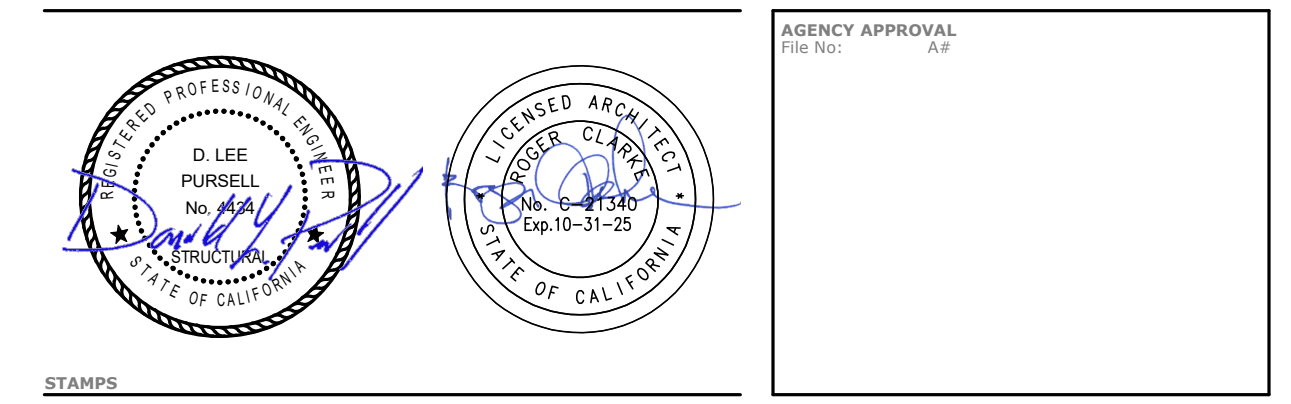
KITCHEN UPGRADES AT MADISON E.S.
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

TYPICAL SHEAR WALL AND HOLDOWN DETAILS
S5.12

KITCHEN UPGRADES AT MADISON E.S.

TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE



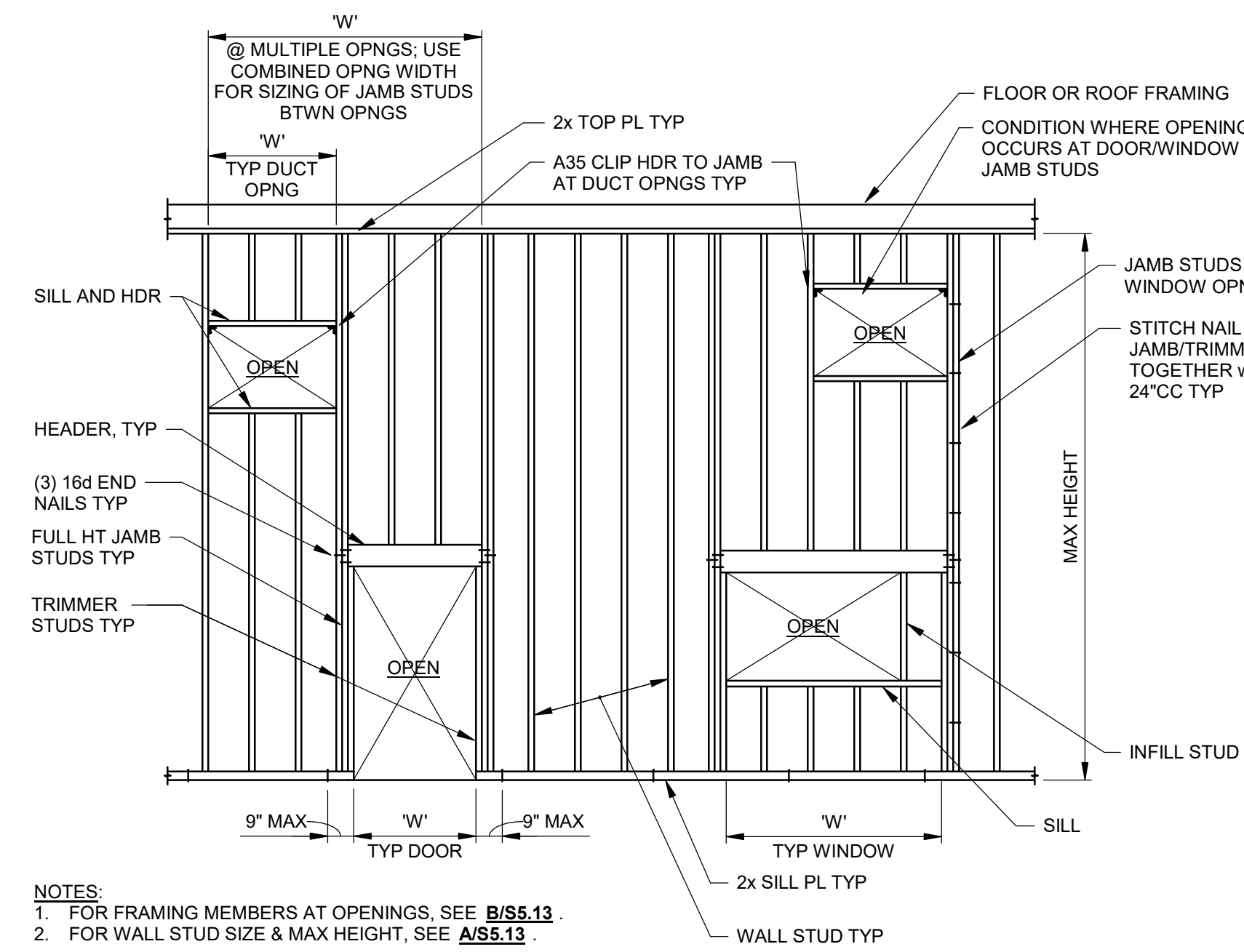
A NON-BEARING INTERIOR STUD MAX HEIGHT SCHEDULE

STUD SIZE	SPACING		
	@ 12"CC	@ 16"CC	@ 24"CC
2x4	15'-6"	14'-0"	12'-4"
2x6	22'-0"	20'-0"	18'-6"

NOTE: ALL STUDS SHALL BE DF #2 OR BETTER.

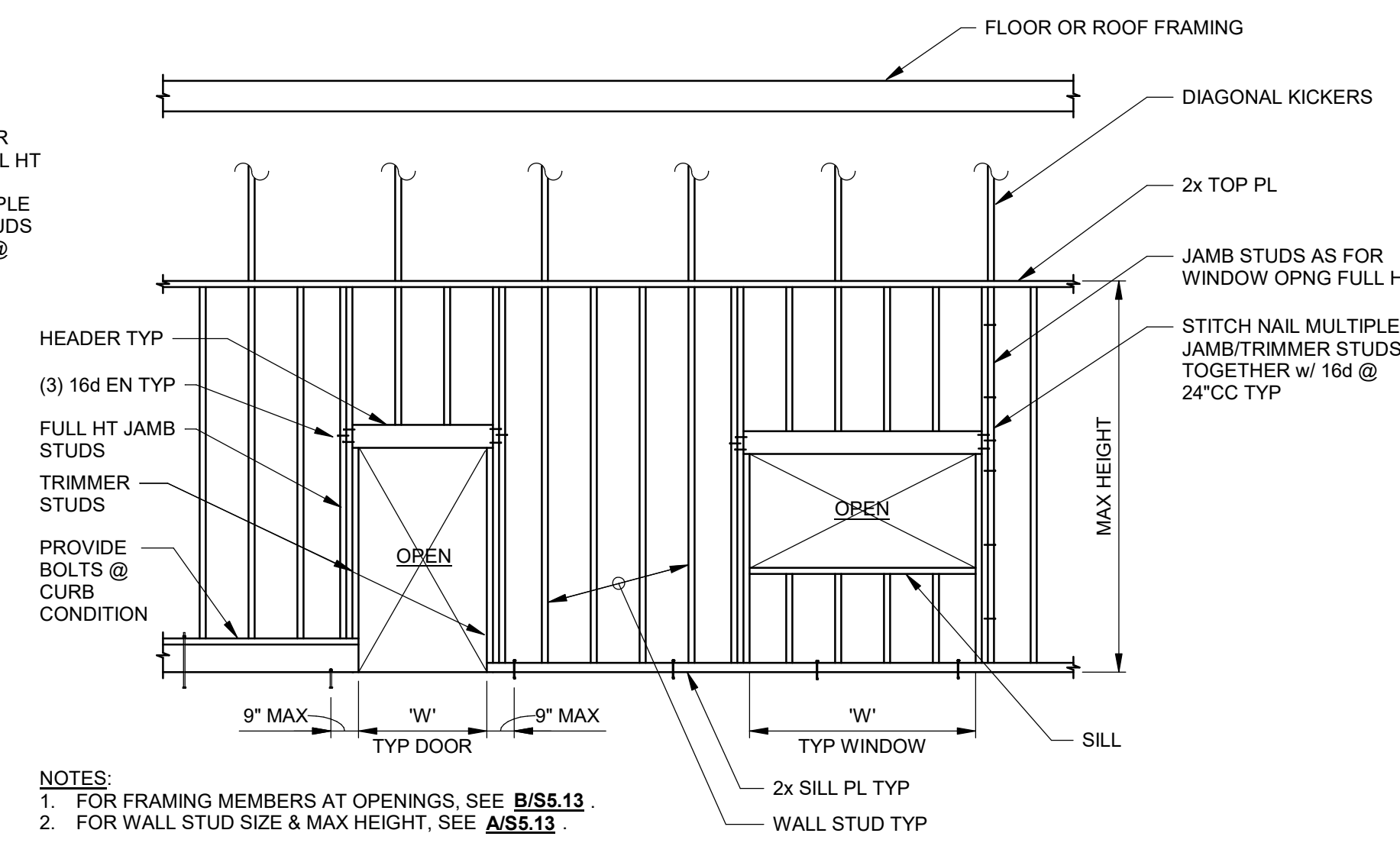
B NON-BEARING INTERIOR HEADER AND JAMB FRAMING SCHEDULE

OPENING TYPE	W' WIDTH	HEADER SIZE	SILL SIZE	JAMB STUDS	TRIMMER STUDS
1	1'-4" TO 4'-8"	STUD WIDTH x 6" D	2x FLAT	2x	2x
2	4'-9" TO 9'-10"	STUD WIDTH x 6" D	2x FLAT	2x	2x
3	9'-11" TO 14'-4"	STUD WIDTH x 10" D	2x FLAT	(2) 2x	(2) 2x
4	14'-5" TO 18'-0"	STUD WIDTH x 12" D	(3) 2x FLAT	(3) 2x	(2) 2x



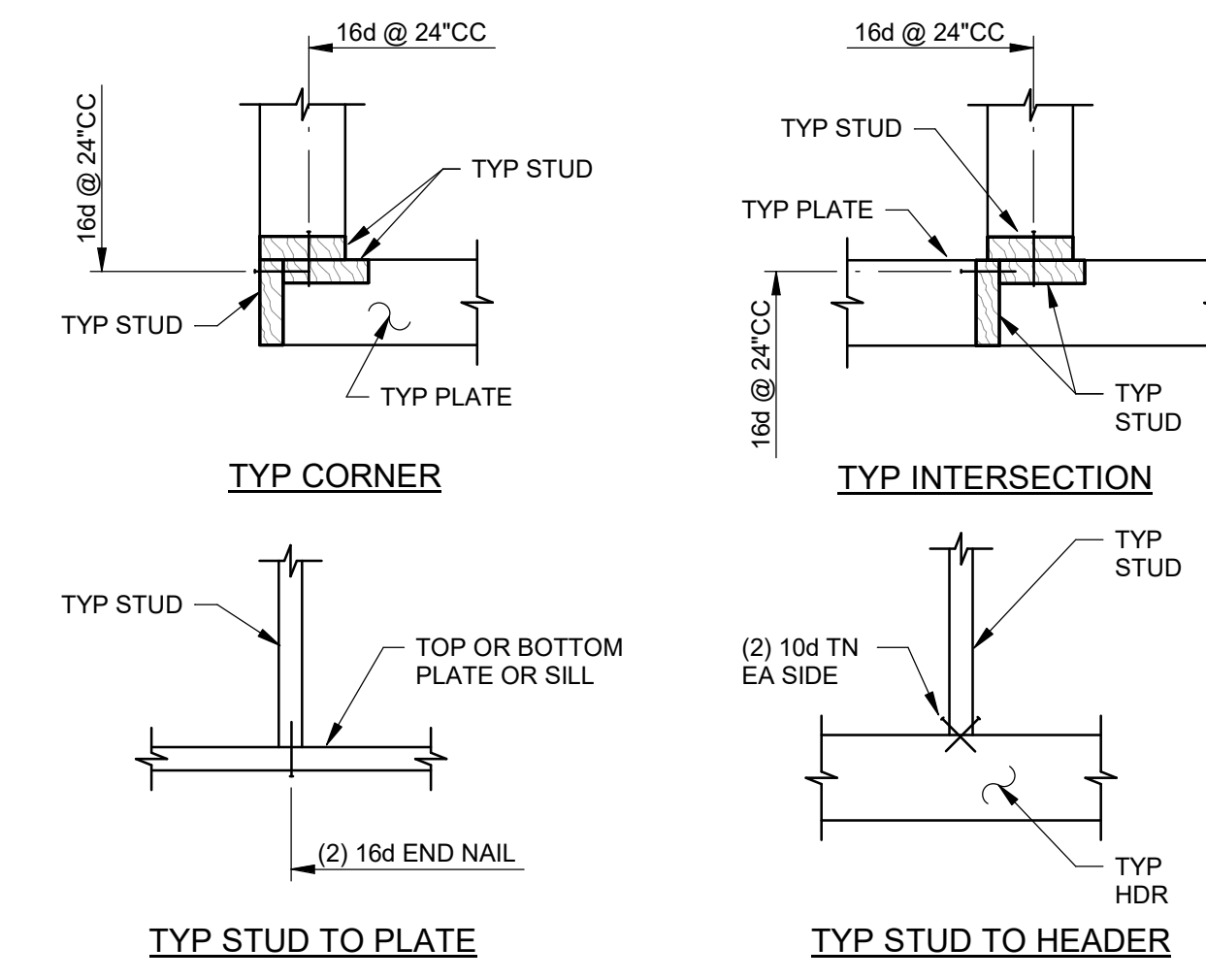
NOTES:
1. FOR FRAMING MEMBERS AT OPENINGS, SEE **B/S5.13**
2. FOR WALL STUD SIZE & MAX HEIGHT, SEE **A/S5.13**

DETAIL 1
NO SCALE
5.13
FULL HT INTERIOR WOOD STUD WALL ELEVATION

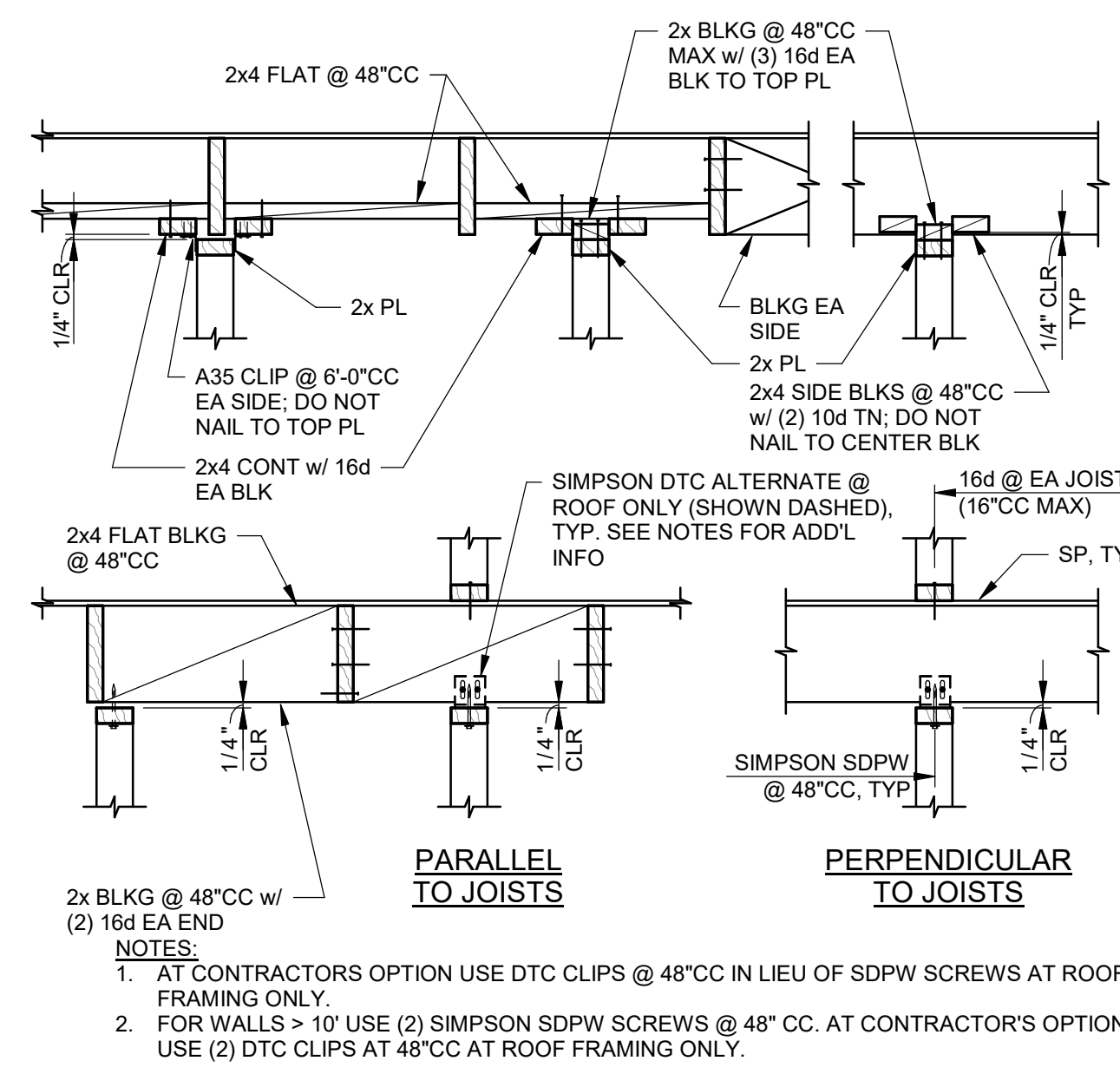
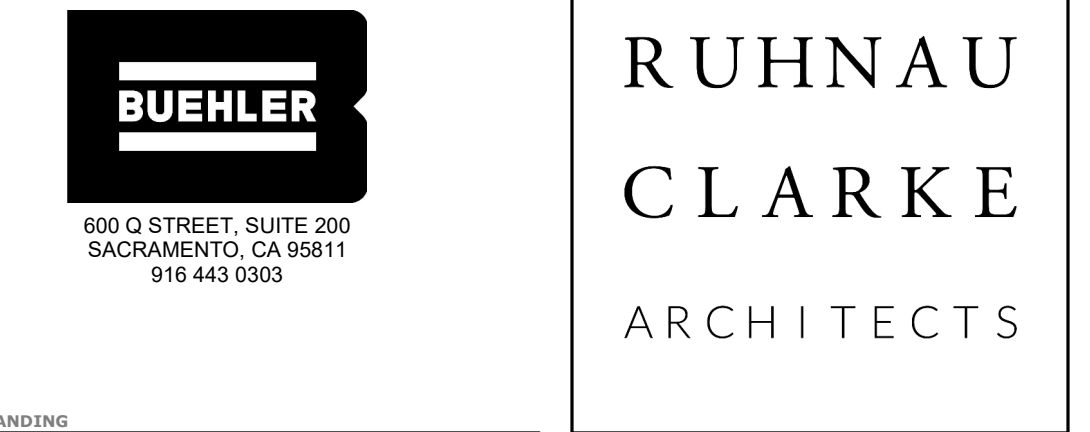


NOTES:
1. FOR FRAMING MEMBERS AT OPENINGS, SEE **B/S5.13**
2. FOR WALL STUD SIZE & MAX HEIGHT, SEE **A/S5.13**

DETAIL 2
NO SCALE
5.13
PARTIAL HEIGHT INTERIOR WALL FRAMING



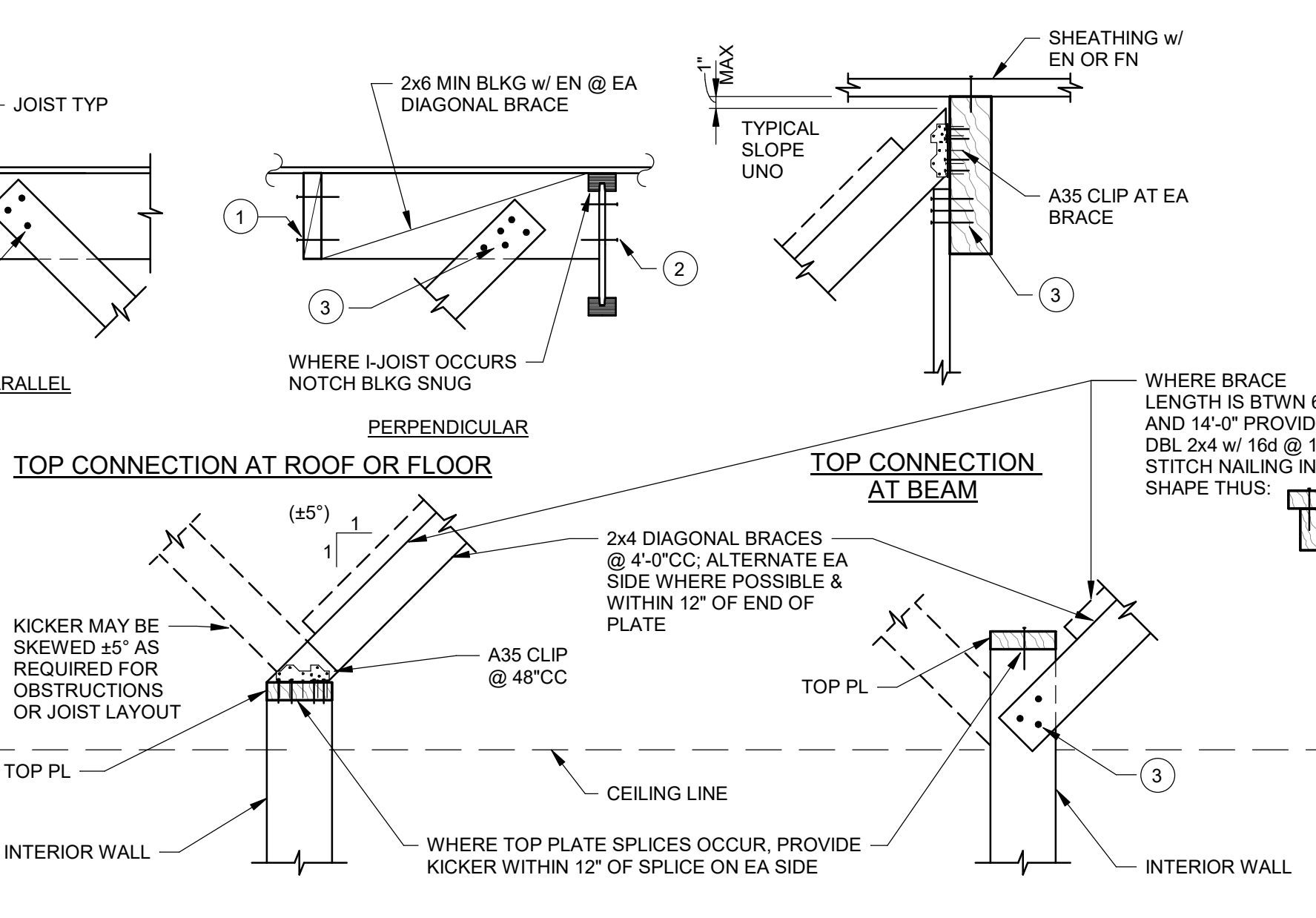
DETAIL 3
NO SCALE
5.13
NON-STRUCTURAL FRAMING CONDITIONS



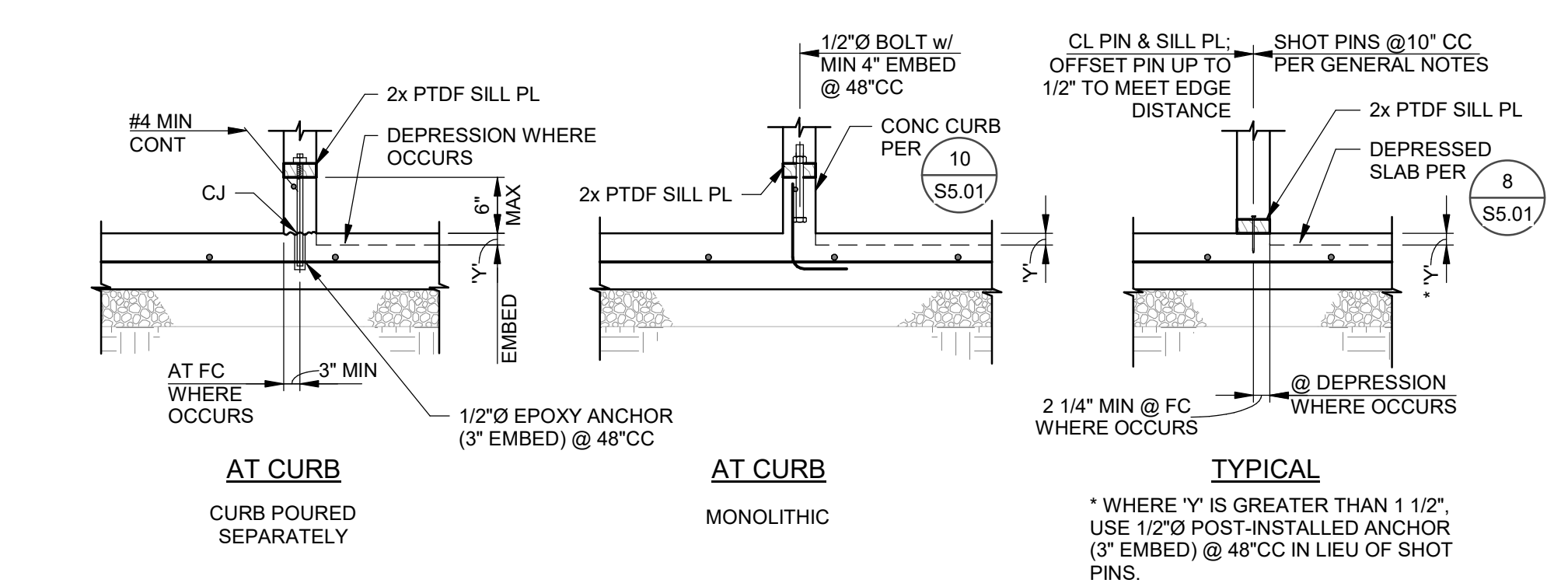
DETAIL 4
NO SCALE
5.13
INTERIOR NON-BEARING PARTITION AT TOP PLATE

FASTENER SCHEDULE

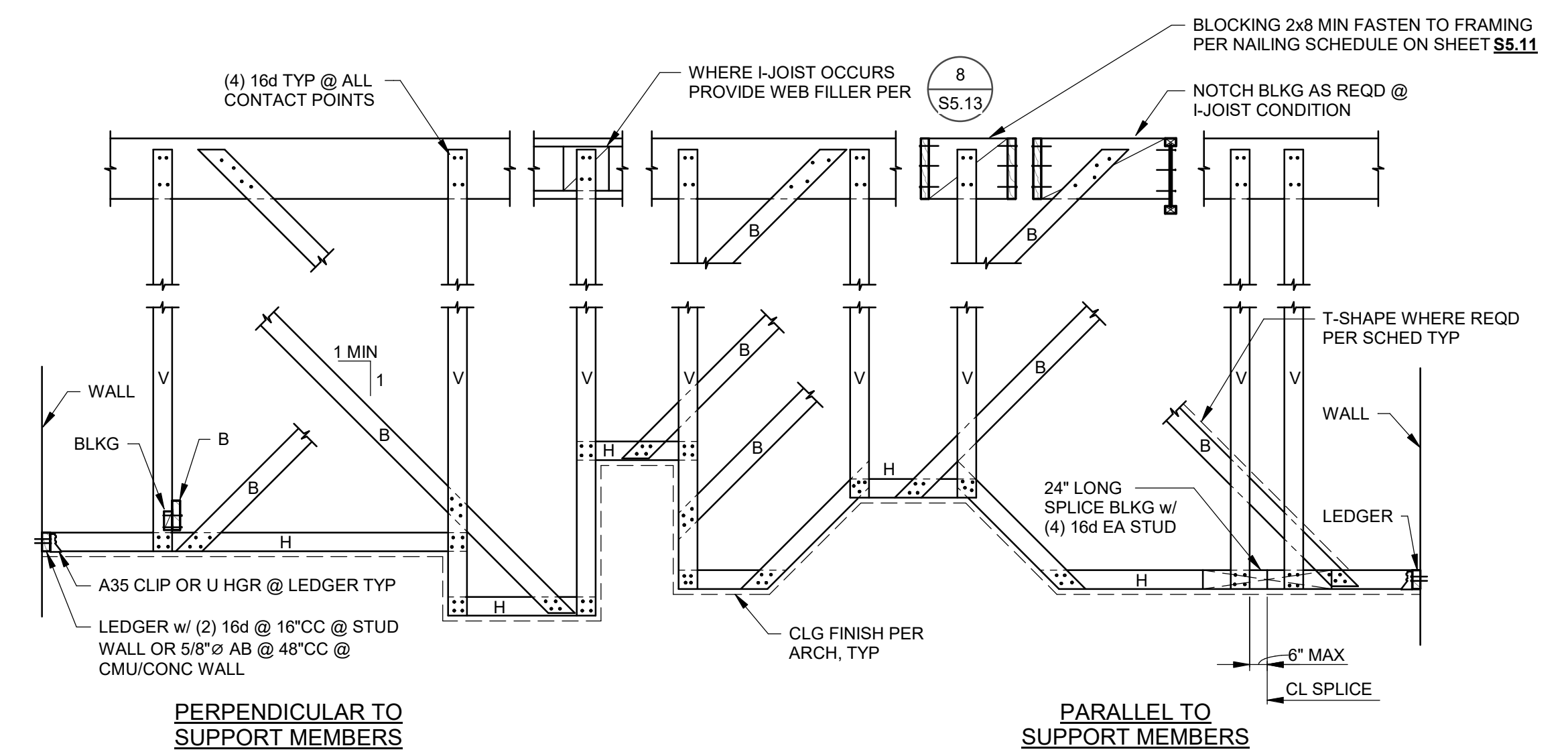
MAX HEIGHT OF PARTITION WALL	1 16d END NAILS	2 10d END NAILS	3 #10 WOOD SCREWS
10'-0"	2	3	3
14'-0"	3	4	4
18'-6"	4	6	5



DETAIL 5
NO SCALE
5.13
INTERIOR PARTIAL HEIGHT WALL BRACING



DETAIL 6
NO SCALE
5.13
INTERIOR NON-BEARING PARTITION AT SILL PLATE

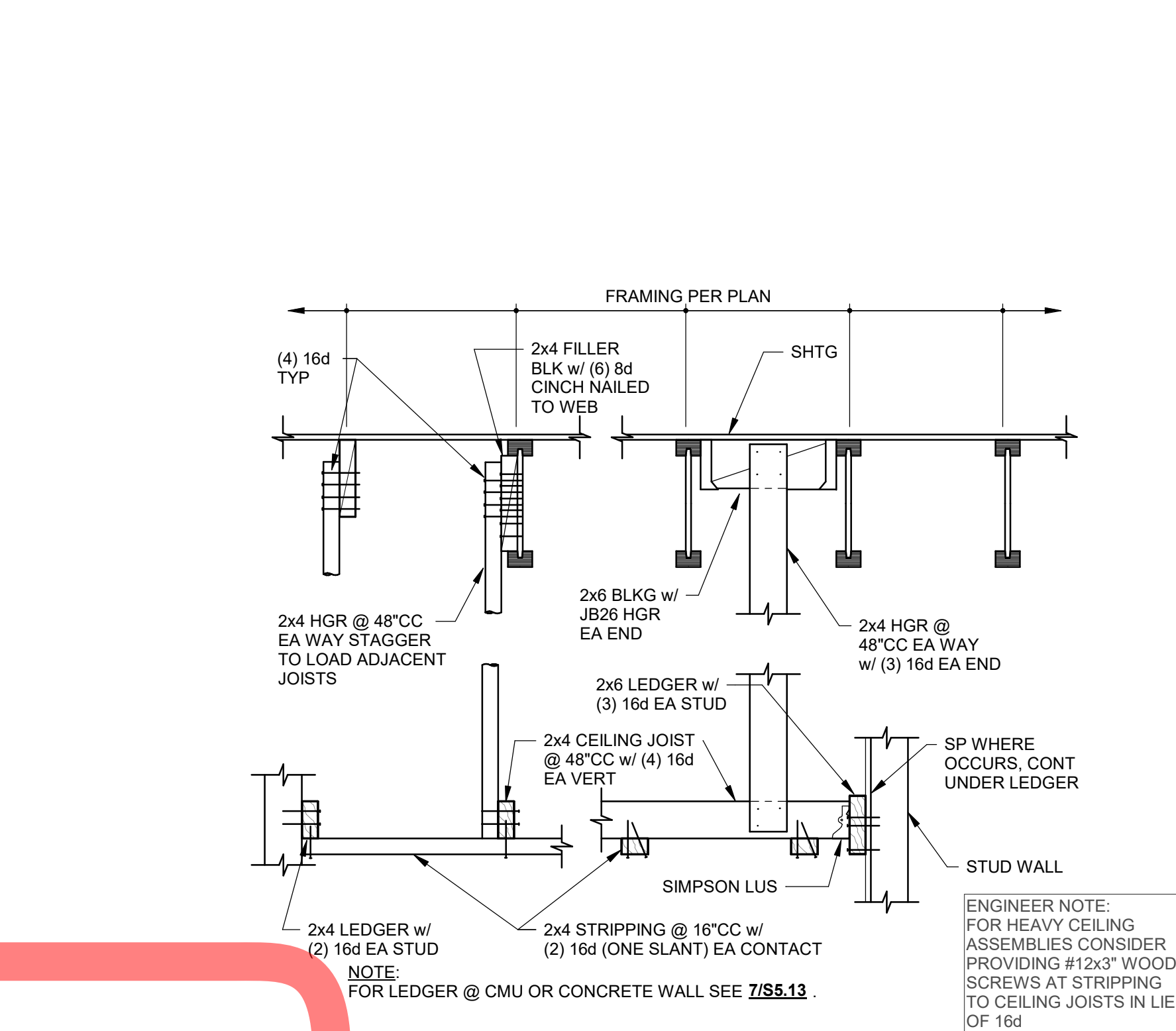


SOFFIT FRAMING SCHEDULE

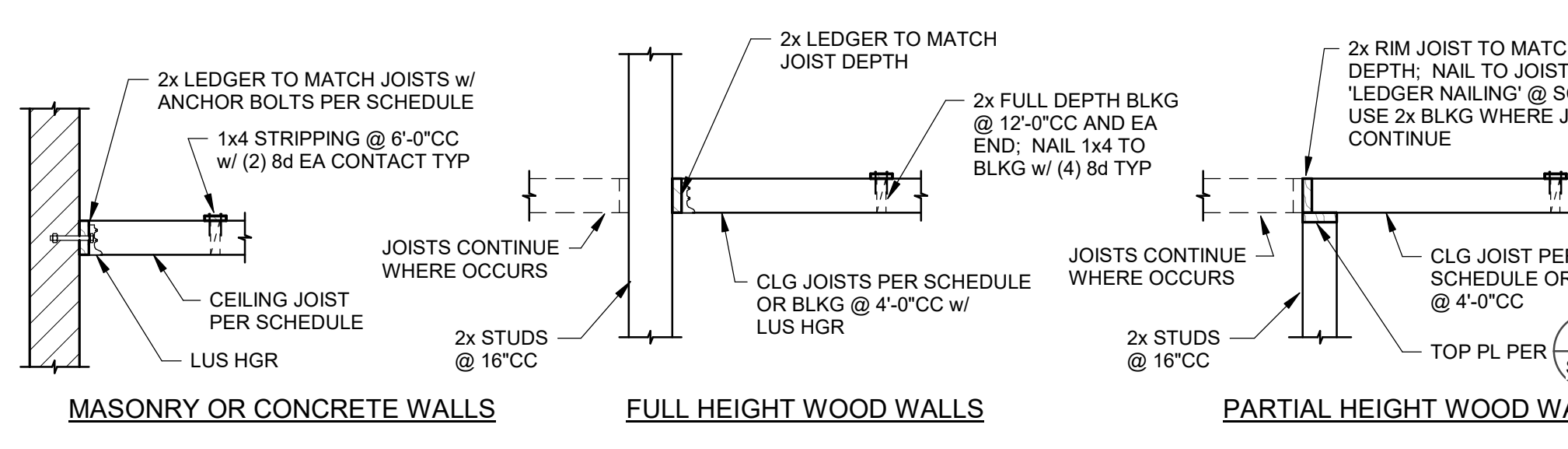
	H	V	B
MAX MEMBER SPACING	2'-0"	2'-0"	8'-0"
MAX ALLOW AREA SUPP	16 FT ²	18 FT ²	64 FT ²
MAX LENGTH OF MEMBER	8'-0"	8'-0"	6'-0"

NOTE: BRACE REQUIRED IN ALL VERTICAL OFFSETS. ALTERNATE DIRECTION OF BRACE WHERE POSSIBLE.
SCHEDULE BASED ON:
- 2x4 DF #2 MEMBERS UNO
- 13.0 PSF DL = 10 PSF LL
- MAX DL DEFLECTION = U/360
- * 2x6 DF #2
- ** REQUIRES DBL 2x4 W/ 16d @ 12"CC STITCH NAILING IN 'T' SHAPE THUS:

FOR REFERENCE ONLY



DETAIL 8
NO SCALE
5.13
SUSPENDED FRAMING



CEILING JOIST SCHEDULE

MAXIMUM SPAN	SIZE & SPACING	LEDGER NAILING	LEDGER BOLTING
UP TO 7'-6"	2x4 @ 16"CC	(2) 16d / CONTACT	5/8" @ 4'-0"CC
7'-7" TO 14'-0"	2x6 @ 16"CC	(2) 16d / CONTACT	5/8" @ 4'-0"CC
14'-1" TO 18'-0"	2x8 @ 16"CC	(3) 16d / CONTACT	5/8" @ 2'-8"CC

DETAIL 9
NO SCALE
5.13
CEILING FRAMING

PROJECT No.: 7/5/2024 8:34:29 AM

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

INTERIOR TYPICAL NON-STRUCTURAL DETAILS

S5.13

KITCHEN UPGRADES AT MADISON E.S.



**RUHNAU
CLARKE
ARCHITECTS**

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE 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 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL, THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

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 THROUGH 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 PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2019 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MP	MD	PP	E	OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCIA PRE-APPROVAL (OPM) #0043-13.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

MECHANICAL LEGEND

SYMBOL	ITEM	ABBR.
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	TRANSFER AIR	TA
	DETAIL DESIGNATION DETAIL NUMBER SHEET NO. WHERE SHOWN	
	EQUIPMENT DESIGNATION UNIT ABBREVIATION NUMBER	
	GRILLE DESIGNATION NECK SIZE CFM FIRE DAMPER WHERE REGD	
	ACOUSTIC LINED DUCT	L
	TURNING VANES	TV
	DUCT FLEXIBLE CONNECTION	
	DUCT RISER	
	DUCT DROP	
	RECTANGULAR TO ROUND FITTING	
	VOLUME CONTROL DAMPER	VD
	FIRE DAMPER W/ ACCESS	FD
	FIRE SMOKE DAMPER W/ ACCESS	FSD
	CEILING RADIATION DAMPER	CRD
	OPPOSED BLADE DAMPER	OBJ
	BACKDRAFT DAMPER	BDD
	MOTORIZED DAMPER	
	THERMOSTAT @ +48" AFF (MAX.) (TOP OF BOX)	T-STAT
	SENSOR @ +48" AFF	
	STATIC PRESSURE SENSOR @ +48" AFF	
	CARBON MONOXIDE SENSOR @ +48" AFF	
	CARBON DIOXIDE SENSOR @ +48" AFF	
	TIMECLOCK @ +48" AFF	
	TEMPERATURE CONTROL PANEL	TCP
	DUCT SMOKE DETECTOR	SD
	PIPE RISER / DROP	(R) / (D)
	FROM ABOVE	(FA)
	FROM BELOW	(FB)
	TO ABOVE	(TA)
	TO BELOW	(TB)
	ABOVE FINISHED FLOOR	AFF
	UNLESS OTHERWISE NOTED	UNON
	TYPICAL	(TYP)
	BOTTOM OF DUCT	BOD
	UNDERCUT DOOR 34"	UCD
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	PDD/POC
	REFRIGERANT LIQUID	RL
	REFRIGERANT SUCTION	RS
	DEMOLISHED/DEMO	

MECHANICAL SPECIFICATIONS

- THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
 - 2022 CALIFORNIA BUILDING CODE
 - 2022 CALIFORNIA MECHANICAL CODE
 - 2022 CALIFORNIA PLUMBING CODE
 - 2022 CALIFORNIA ELECTRICAL CODE
 - 2022 CALIFORNIA GREEN BUILDING STANDARDS
 - 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS - TITLE 24
 - NATIONAL FIRE PROTECTION ASSOCIATION CALIFORNIA STATE FIRE MARSHAL
- ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF MECHANICAL EQUIPMENT.
- CHECK AND VERIFY EXISTING CONDITIONS AT THE JOB SITE BEFORE BEGINNING WORK. ADJUST THE LOCATION AND CONFIGURATION OF THE WORK NECESSARY TO SUIT ACTUAL CONDITIONS AND OTHER TRADES. ANY CHANGES REQUIRED MUST FIRST BE APPROVED BY THE ARCHITECT OR ENGINEER.
- THE LOCATIONS OF EQUIPMENT, PIPING, DUCTWORK AND SYSTEMS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. CHANGES REQUIRED TO SUIT EXISTING CONDITIONS AND DUE TO COORDINATION WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST TO THE OWNER.
- ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION. CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.
- PROVIDE ACCESS DOORS WHERE ACCESS THROUGH FLOORS, WALLS OR CEILING IS REQUIRED TO ACCESS MECHANICAL CONTROL SYSTEM COMPONENTS, FIRE/SMOKE DAMPERS, SMOKE DETECTORS, ETC., OR OTHER SYSTEMS REQUIRING ACCESS FOR MAINTENANCE. TESTING OR OBSERVATION, COORDINATE THE EXACT TYPE AND LOCATION OF ACCESS DOORS TO PROVIDE PROPER ACCESS TO THE ITEM CONCEALED.
- CHECK ALL PIPE AND DUCTWORK FOR LEAKS AND EXCESSIVE AIR LOSS AND NOISE. CORRECT ANY DEFICIENCIES AS SOON AS DISCOVERED. OPERATE THE SYSTEMS AS A TEST AND DEMONSTRATE TO THE OWNER AND ARCHITECT OR ENGINEER THAT THE SYSTEM IS FUNCTIONING PROPERLY.
- GALVANIZED STEEL DUCTS SHALL BE ASTM A 653/A 653M GALVANIZED STEEL SHEET, FORMING STEEL (FS) DESIGNATION, WITH G90/Z275 ZINC COATING. FABRICATE, SUPPORT AND SEAL DUCTWORK IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, AND AS INDICATED. PROVIDE DUCT MATERIAL, GAGES, REINFORCING, AND SEALING FOR 4" STATIC PRESSURE UPSTREAM OF TERMINAL UNITS (VAV, CAV BOXES) AND 2" STATIC PRESSURE DOWNSTREAM OF TERMINAL UNITS (VAV, CAV BOXES).
- CONSTRUCT DUCTWORK'S, BENDS, AND ELBOWS WITH RADIUS OF NOT LESS THAN 1-1/2 TIMES WIDTH OF DUCT ON CENTERLINE. WHERE NOT POSSIBLE RECTANGULAR ELBOWS MUST BE USED. PROVIDE AIR FOIL TURNING VANES, WHERE ACOUSTICAL LINING IS INDICATED. PROVIDE TURNING VANES OF PERFORATED METAL WITH GLASS FIBER INSULATION.
- COMBINATION FIRE AND SMOKE DAMPERS SHALL MEET THE REQUIREMENTS OF NFPA 90A, UL 555, UL 555S, AND AS INDICATED. PROVIDE FACTORY SLEEVE AND COLLAR FOR EACH DAMPER. ALL INSULATION AND LINER PRODUCTS SURFACE BURNING CHARACTERISTICS: FLAME SPREAD/SMOKE DEVELOPED INDEX OF 25/50, MAXIMUM, WHEN TESTED IN ACCORDANCE WITH ASTM E 84, NFPA 255, OR UL 723.

MECHANICAL SHEET INDEX

SHEET NUMBER	SHEET NAME
M0.1	MECHANICAL LEGEND AND NOTES
M0.2	MECHANICAL SCHEDULES
MS-1.1	MECHANICAL OVERALL SITE PLAN
M2-0	MECHANICAL DEMO & NEW FLOOR PLANS
M3-0	MECHANICAL DEMO & NEW ROOF PLANS
M4.1	MECHANICAL SECTIONS
M4.1	MECHANICAL ISOMETRICS
M7.1	MECHANICAL CONTROLS
MD-1.1	MECHANICAL DETAILS
MD-1.2	MECHANICAL DETAILS

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
6/27/2024 4:22:03 PM

DATE	BY	APP	CCD	REV

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

**MECHANICAL LEGEND
AND NOTES**

M0.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

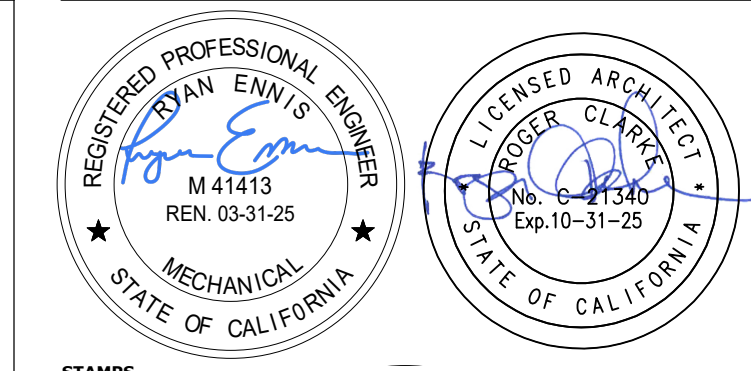
PACKAGED AIR CONDITIONING UNIT SCHEDULE																														
TYPE	MARK	NOMINAL TONS	DUCT CONFIG.	ELECTRICAL				SUPPLY FAN				COOLING (R410A)				HEATING				OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES							
				VOLTAGE	PHASE	RLA	MCA	MOPC	DESIGN BHP	DRIVE / SPEEDS	CFM	E.S.P. (IN. W.C.)	MIN. OSA CFM	SEE OAS SCHED	TYPE	SEER / EER	TOTAL CAPACITY (BTU)	SENSIBLE CAPACITY (BTU)	E.A. DB (°F)					E.A. WB (°F)	AMBIENT TEMP (°F)	TYPE	AFUE %	INPUT (BTU)	OUTPUT (BTU)	AMBIENT TEMP (°F)
AC	C4	3	HORIZONTAL	208	3	18.28	21	30	0.61	DIRECT	1,200	1 in-wg	SEE OAS SCHED	DX	17.4	35.67	25.56	80	67	105	NATURAL GAS	81	67	54	30	MERV-13	775	CARRIER	48GCDJ0442M	SEE ELECTRICAL DRAWINGS FOR UNIT DISCONNECT SWITCH. SEE ELECTRICAL DRAWINGS FOR CONVENIENCE OUTLET. PROVIDE UNIT WITH LOW AMBIENT KIT, CRANKCASE HEATER, HINGED ACCESS DOORS, LOUVERED CONDENSER COIL HALL GUARDS, AND MERV-13 FILTERS. PROVIDE FLUE DISCHARGE EXTENSION WHERE FLUE IS WITHIN 10 FEET OF ANY OUTSIDE AIR INTAKE. PROVIDE CHIMNEY WITH FLASH RAIN CAP. PROVIDE DAMPER MODULATING ULTRA LOW LEAK 100% ECONOMIZER. FAULT DETECTION & DIAGNOSTICS (FDD). ADJUSTABLE DRY BULB CONTROL AND BAROMETRIC RELIEF. SEE CONTROLS DRAWING FOR CONTROL DIAGRAM.

MAU SCHEDULE																											
TYPE	MARK	DUCT CONFIG.	ELECTRICAL				SUPPLY FAN				COOLING (R410A)				HEATING				OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES					
			VOLTAGE	PHASE	RLA	MCA	MOPC	HP	DRIVE	FAN SPEED (RPM)	CFM	E.S.P. (IN. W.C.)	TYPE	LEAVING AIR DBWB (°F)	AIR DBWB (°F)	AMBIENT TEMP (°F)	TYPE	AFUE %					HEATING INPUT	HEATING OUTPUT	AMBIENT TEMP (°F)	FILTER TYPE	
MAU	1	HORIZONTAL	208	3	0	10.8	15	1.50	DIRECT	2337	2,315	0.8	DIRECT EVAPORATIVE	75.873	100/73	105	INDIRECT GAS FURNACE	81	200 Btu/h	162 Btu/h	30	MERV-13	1,400 lb	GREENHECK	IGX-P112-H12-MF	SEE ELECTRICAL DRAWINGS FOR UNIT DISCONNECT SWITCH. PROVIDE FACTORY ROOF CURB. FACTORY SUPPLY FAN VFD. FACTORY STAINLESS STEEL HEAT EXCHANGER WITH 4:1 ELECTRONIC CONTROL. DUCT SMOKE DETECTOR TO BE PROVIDED BY FIRE ALARM CONTRACTOR AND MOUNTED BY MECHANICAL CONTRACTOR. INSTALL PER OMC SECTION 08. PROVIDE LOUVERED INTAKE WITH ALUMINUM MESH FILTER AND INLET DAMPER. DOUBLE WALL INSULATION FOR ENTIRE UNIT. FACTORY KITCHEN CONTROL PANEL. AND EVAPORATIVE COOLER RECIRCULATION PUMP WITH AUTO-DRAIN AND VALVES. INSTALL PER MFG'S REQUIREMENTS. INTERLOCK MAKE-UP AIR UNIT WITH KITCHEN HOOD AND KITCHEN EXHAUST FAN PER FOOD SERVICE DRAWINGS.	

EXHAUST FAN SCHEDULE																											
TYPE	MARK	FAN TYPE	MOUNTING	ELECTRICAL				FAN				SONES	CONTROL	OPERATING WEIGHT	MANUFACTURER	MODEL	NOTES										
				VOLTAGE	PHASE	FLA	MCA	MOP	HP	DRIVE	FAN RPM							CFM	E.S.P. (IN. W.C.)								
REF	1	CENTRIFUGAL	ROOF	115	1	2.20	3.00	15	0.17	DIRECT	1381	660	0.3	7	TIMECLOCK	50 lb	GREENHECK	G-095-VG	PROVIDE BACK DRAFT DAMPER AND BIRDSCREEN. PRE-WIRED DISCONNECT SWITCH WITH NEMA RATED ENCLOSURE FOR LOCATION. MOTOR THERMAL OVERLOAD PROTECTION. PROVIDE WITH PRE-WIRED FAN SPEED CONTROLLER. PROVIDE FACTORY ROOF CURB AND DAMPER TRAY. FANS TO BE AMCA LICENSED FOR SOUND AND AIR PERFORMANCE.								
REF	2	CENTRIFUGAL	ROOF	115	1	1.30	2.00	15	0.07	DIRECT	1161	125	.22	2	LIGHT CIRCUIT	50 lb	GREENHECK	G-070-VG	PROVIDE BACK DRAFT DAMPER AND BIRDSCREEN. PRE-WIRED DISCONNECT SWITCH WITH NEMA RATED ENCLOSURE FOR LOCATION. MOTOR THERMAL OVERLOAD PROTECTION. PROVIDE WITH PRE-WIRED FAN SPEED CONTROLLER. PROVIDE FACTORY ROOF CURB AND DAMPER TRAY. FANS TO BE AMCA LICENSED FOR SOUND AND AIR PERFORMANCE.								
KEF	1	CENTRIFUGAL	ROOF	208	3	0.00	5.75	15	1.00	DIRECT	1440	2,315	1.0	14.8	INTERLOCK W/ HOOD	200 lb	GREENHECK	USF-15	PROVIDE PRE-WIRED DISCONNECT SWITCH WITH NEMA RATED ENCLOSURE FOR LOCATION. MOTOR WITH THERMAL OVERLOAD PROTECTION. PRE-WIRED FAN SPEED CONTROLLER. PROVIDE ACCESS DOOR, DRAIN CONNECTION. PROVIDE FACTORY OUTLET GUARD. FAN TO BE UL-782 LISTED.								

OUTSIDE AIR SCHEDULE			
TYPE	MARK	OSI CFM	OSI CFM
AC UNIT			140
AC-C4			140
* OSA TO BE PER TITLE 24 REQUIREMENTS.			

AIR DISTRIBUTION SCHEDULE		
SYMBOL	TYPE	DESCRIPTION
A	CEILING SUPPLY	STEEL MODULAR CORE SQUARE CEILING DIFFUSER WITH ADJUSTABLE DISCHARGE PATTERN. FINISH: COLOR BY ARCHITECT. FRAME: LAY-IN T-BAR. TITUS MCD.
B	CEILING RETURN	STEEL LOUVERED RETURN GRILLE WITH HORIZONTAL BLADES AT 3/4" SPACING AND 35° DEFLECTION. FINISH: COLOR BY ARCHITECT. FRAME: LAY-IN T-BAR. TITUS 509L.
C	CEILING SUPPLY	STEEL MODULAR CORE SQUARE CEILING DIFFUSER WITH ADJUSTABLE DISCHARGE PATTERN. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS MCD.
D	CEILING RETURN	STEEL LOUVERED RETURN GRILLE WITH HORIZONTAL BLADES AT 3/4" SPACING AND 35° DEFLECTION. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS 509L.
E	CEILING EXHAUST	ALUMINUM EGGRATE RETURN GRILLE WITH 1/2"x1/2"x1/2" GRID. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS 50F.
I	SIDEWALL RETURN	STEEL LOUVERED RETURN GRILLE WITH HORIZONTAL BLADES AT 3/4" SPACING AND 35° DEFLECTION. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS 509L.
J	SIDEWALL EXHAUST	ALUMINUM EGGRATE RETURN GRILLE WITH 1/2"x1/2"x1/2" GRID. FINISH: COLOR BY ARCHITECT. FRAME: FLAT SURFACE. TITUS 50F.



MEP & FS / Sustainability / CA
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-771-0778
 www.lpeengineers.com
 Job #: 23-2287

RUHNAU
 CLARKE
 ARCHITECTS

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:22:06 PM

DRAWN BY: _____ CHECKED BY: _____
 DELTA # _____ DATE _____
 DELTA # _____ DATE _____
 DELTA # _____ DATE _____

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

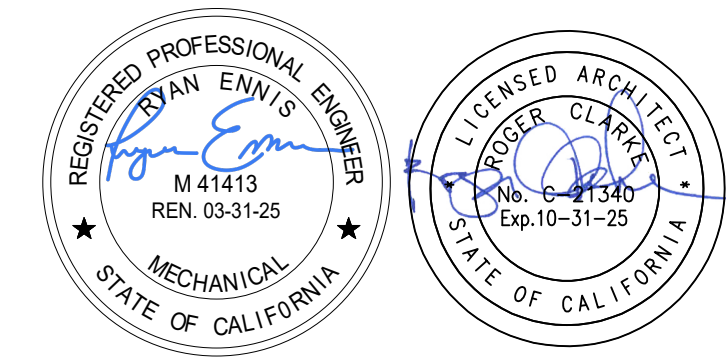
MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

MECHANICAL
 SCHEDULES

M0.2

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

X-XX-XX

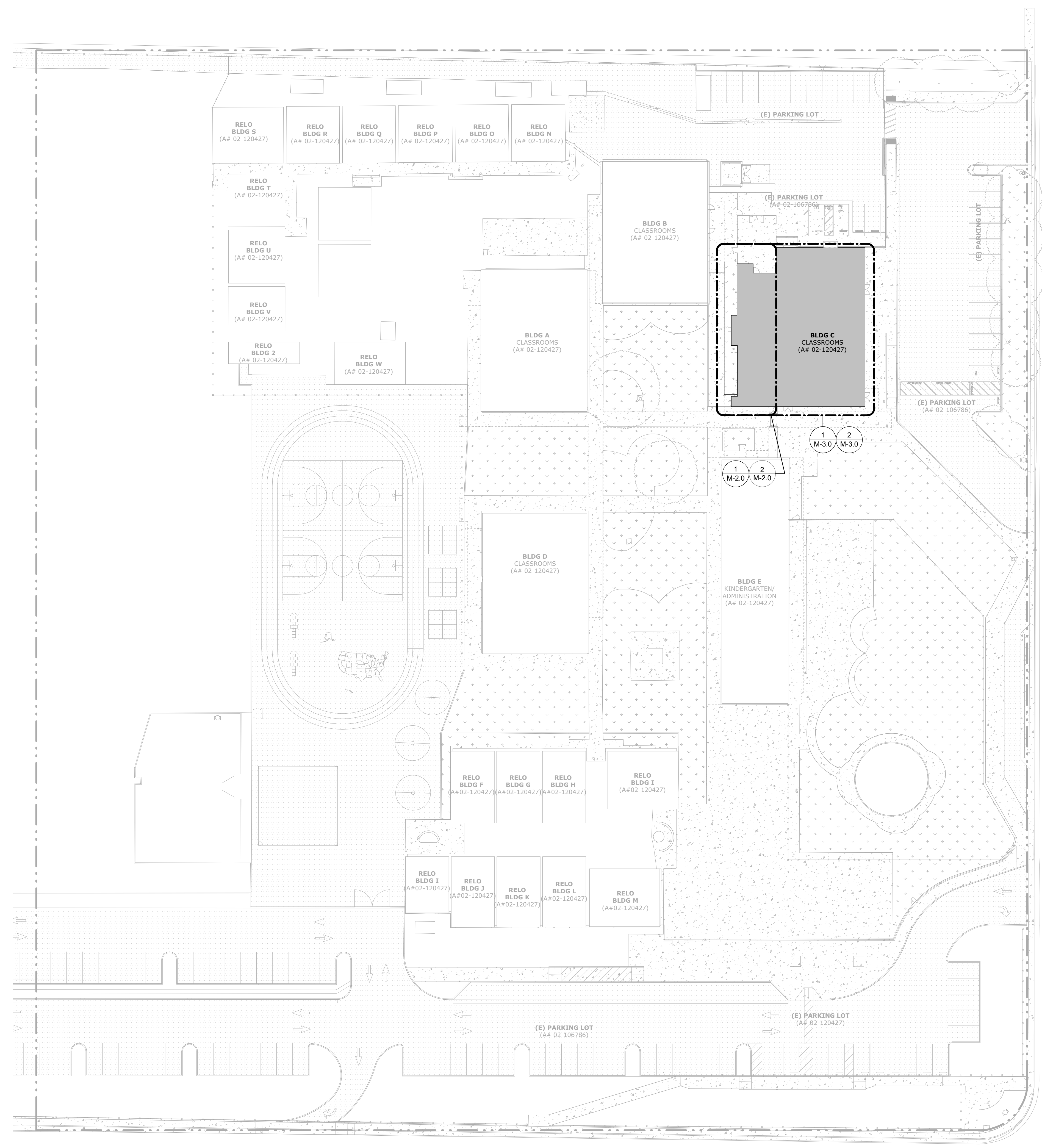


AGENCY APPROVAL
 19-NO: 000000000-000000

LP
 CONSULTING
 ENGINEERS
 MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpenginers.com
 Job #: 25-2287

**RUHNAU
 CLARKE
 ARCHITECTS**

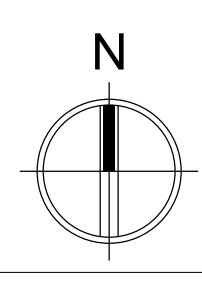
KEY NOTES



FOR REFERENCE ONLY

MECHANICAL OVERALL SITE PLAN

SCALE: 1" = 30'-0"



PROJECT No. :X-XX-XX
 6/27/2024 4:22:31 PM

DATE	BY	REVISION

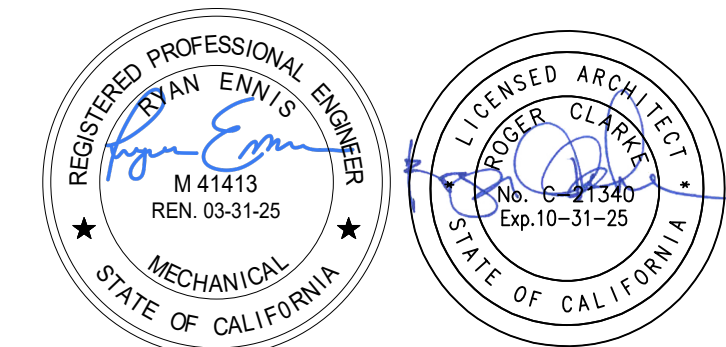
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**MECHANICAL
 OVERALL SITE PLAN**

MS-1.1

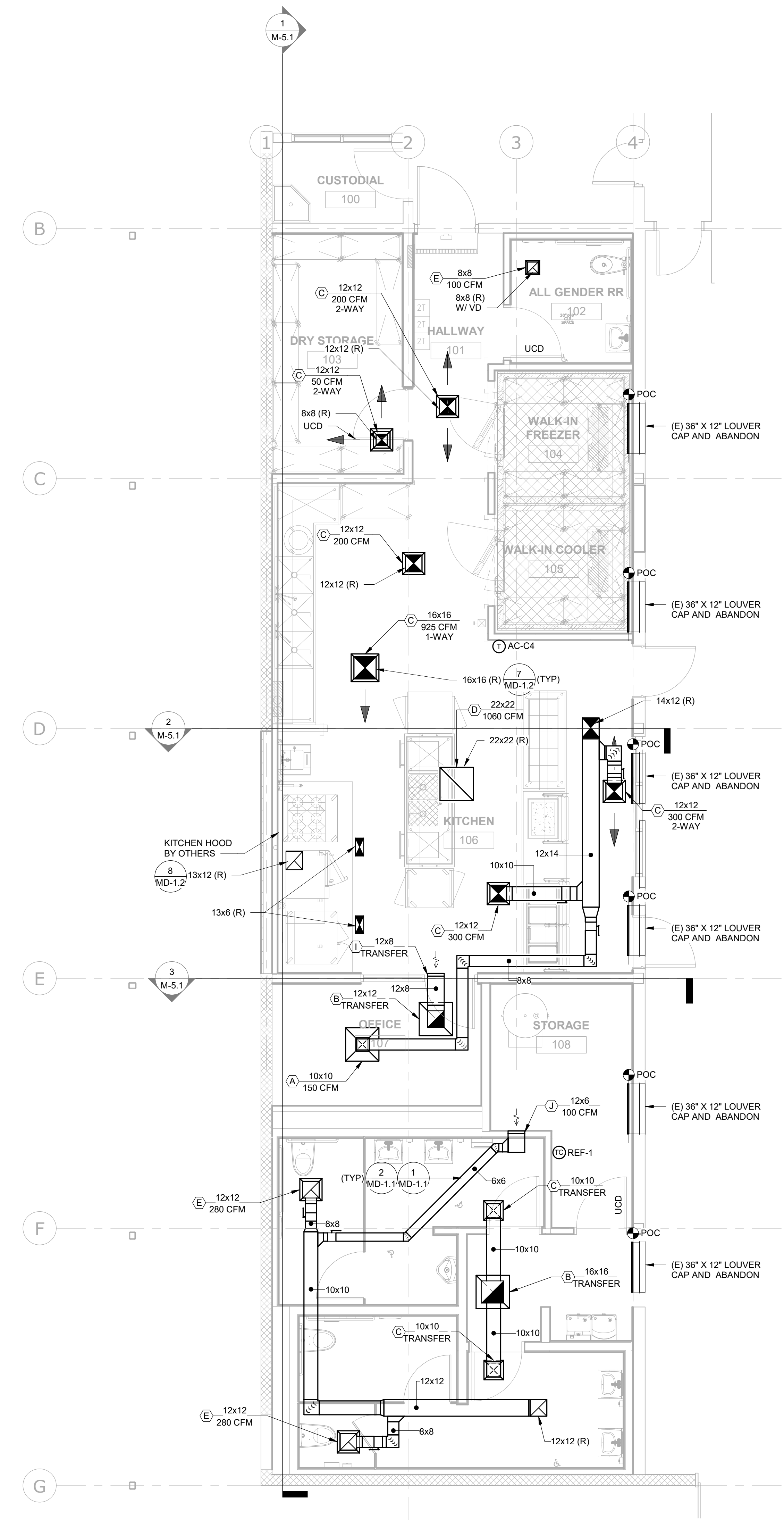
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



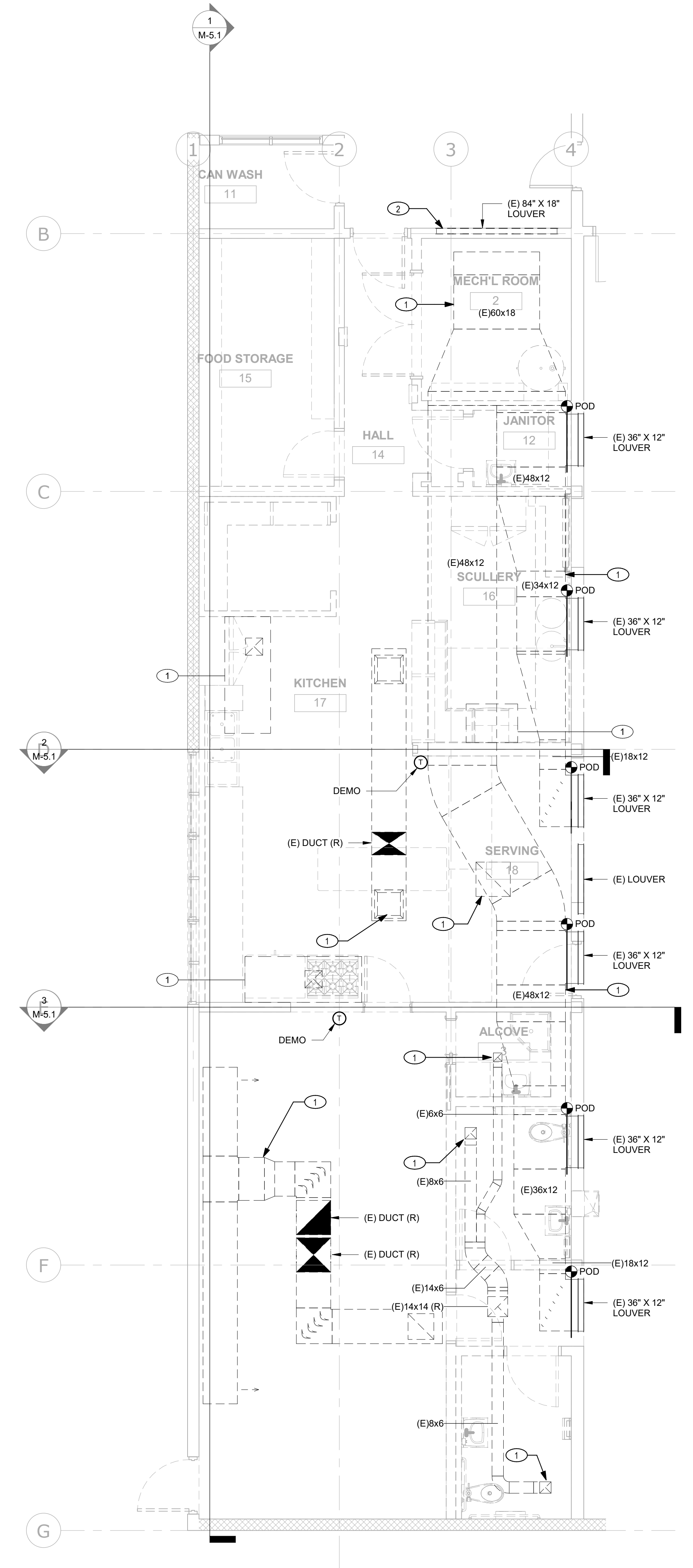
MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpeengineers.com
 Job #: 23-2287

**RUHNAU
 CLARKE**
 ARCHITECTS

- KEY NOTES**
- REMOVE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, DIFFUSER AND RELATED APPURTENANCES.
 - REMOVE EXISTING LOUVER. SEE ARCHITECTURAL DRAWINGS FOR PATCHING OF WALL.



2 MECHANICAL ENLARGED NEW FLOOR PLAN
 SCALE: 1/4" = 1'-0"



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

FOR REFERENCE ONLY

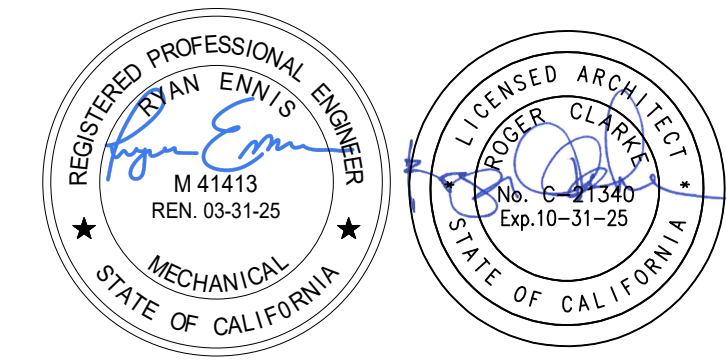
DATE	BY	REVISION
6/27/2024	ADD	ADD
	ADD	ADD
	ADD	ADD
	ADD	ADD

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**MECHANICAL DEMO &
 NEW FLOOR PLANS**
M-2.0

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



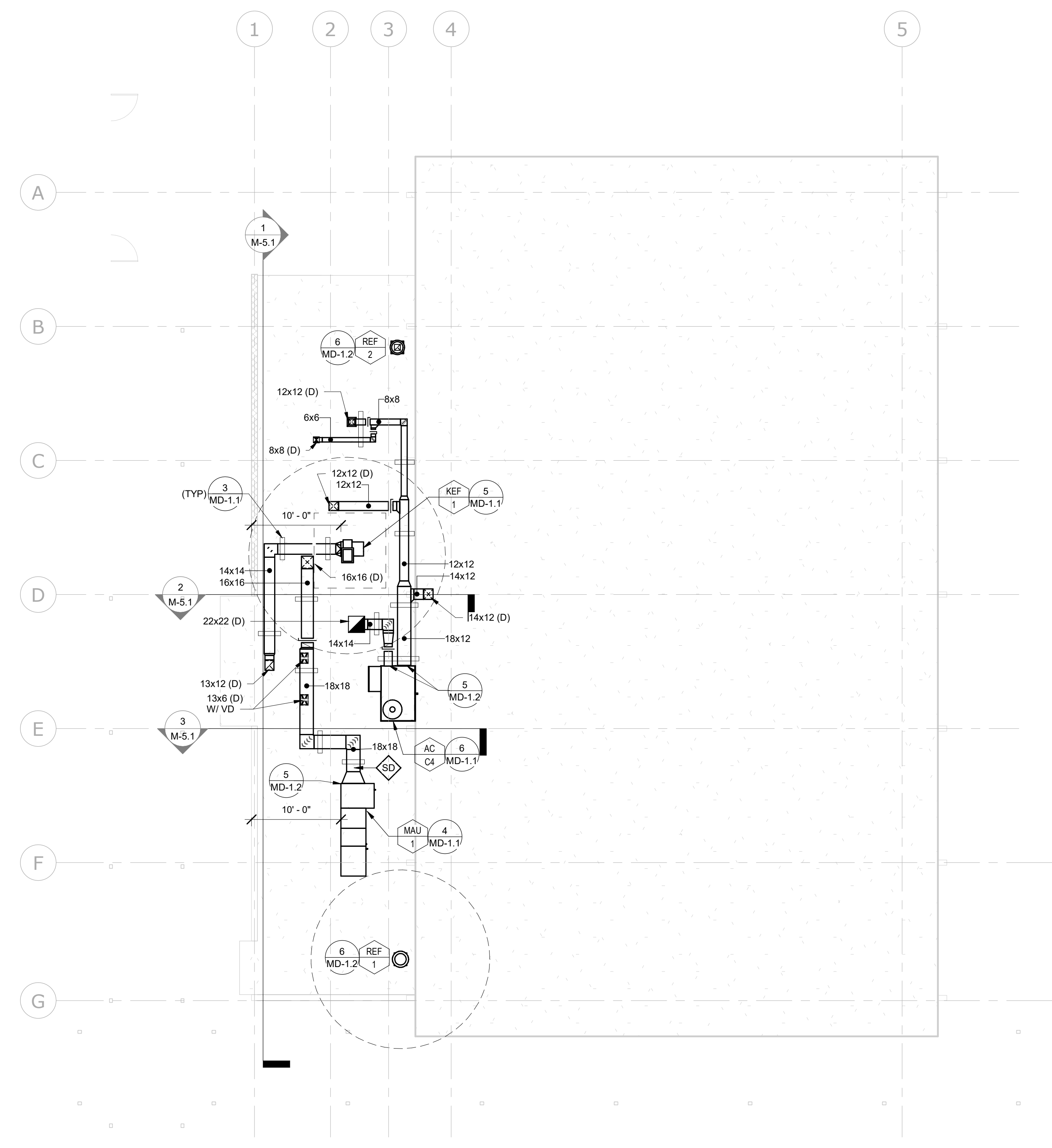
MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpeengineers.com
 Job #: 23-2287

**RUHNAU
 CLARKE**
 ARCHITECTS

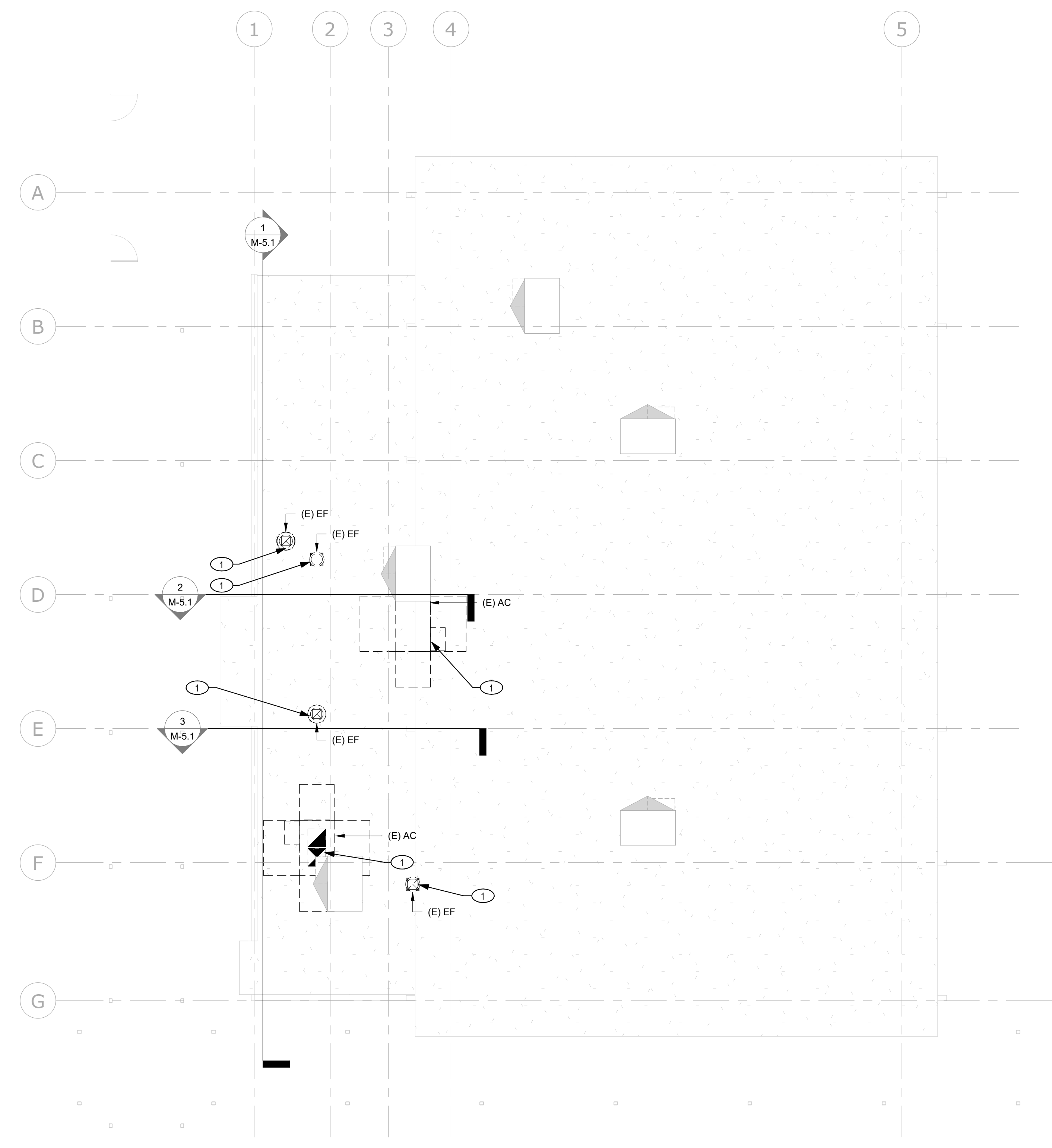
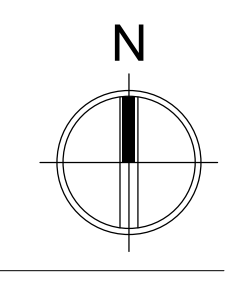
CONSULTANT BRANDING

KEY NOTES

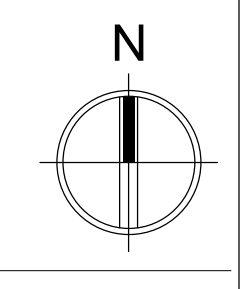
- 1 REMOVE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, DIFFUSER AND RELATED APPURTENANCES.



2 MECHANICAL NEW ROOF PLAN
 SCALE: 1/8" = 1'-0"



1 MECHANICAL DEMO ROOF PLAN
 SCALE: 1/8" = 1'-0"



FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:22:10 PM

DATE	BY	DESCRIPTION

RUHNAUCLARKE.COM

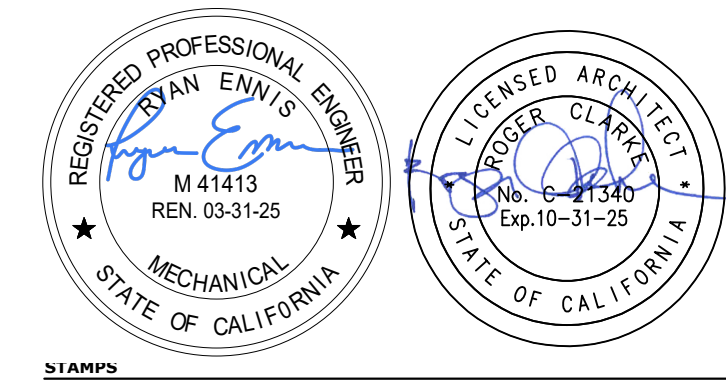
KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**MECHANICAL DEMO &
 NEW ROOF PLANS**

M-3.0

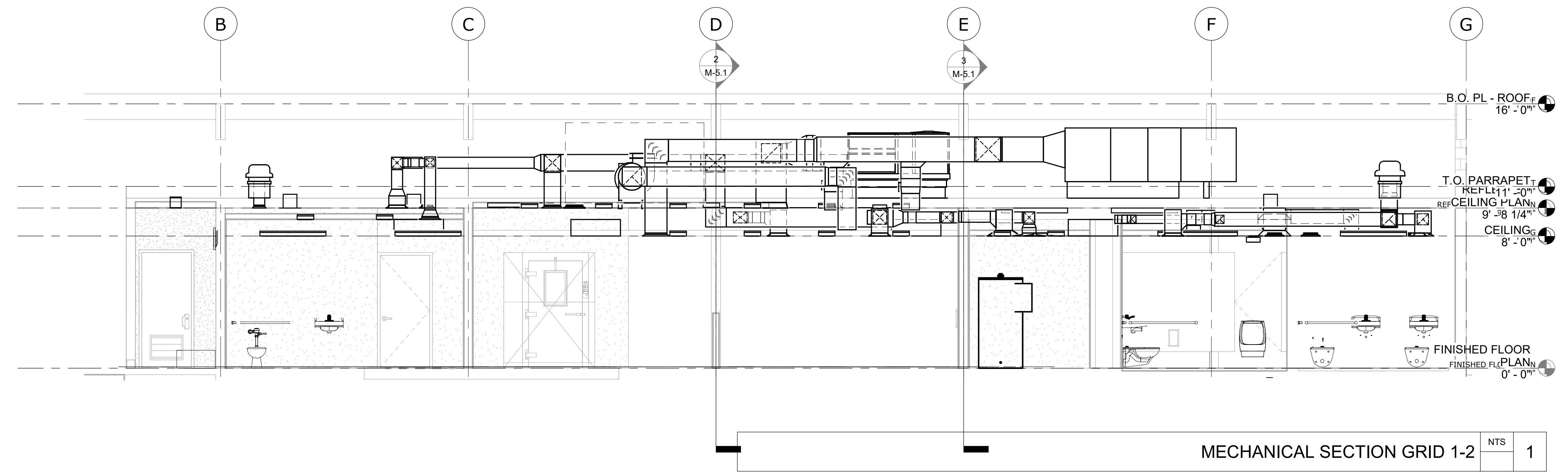
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



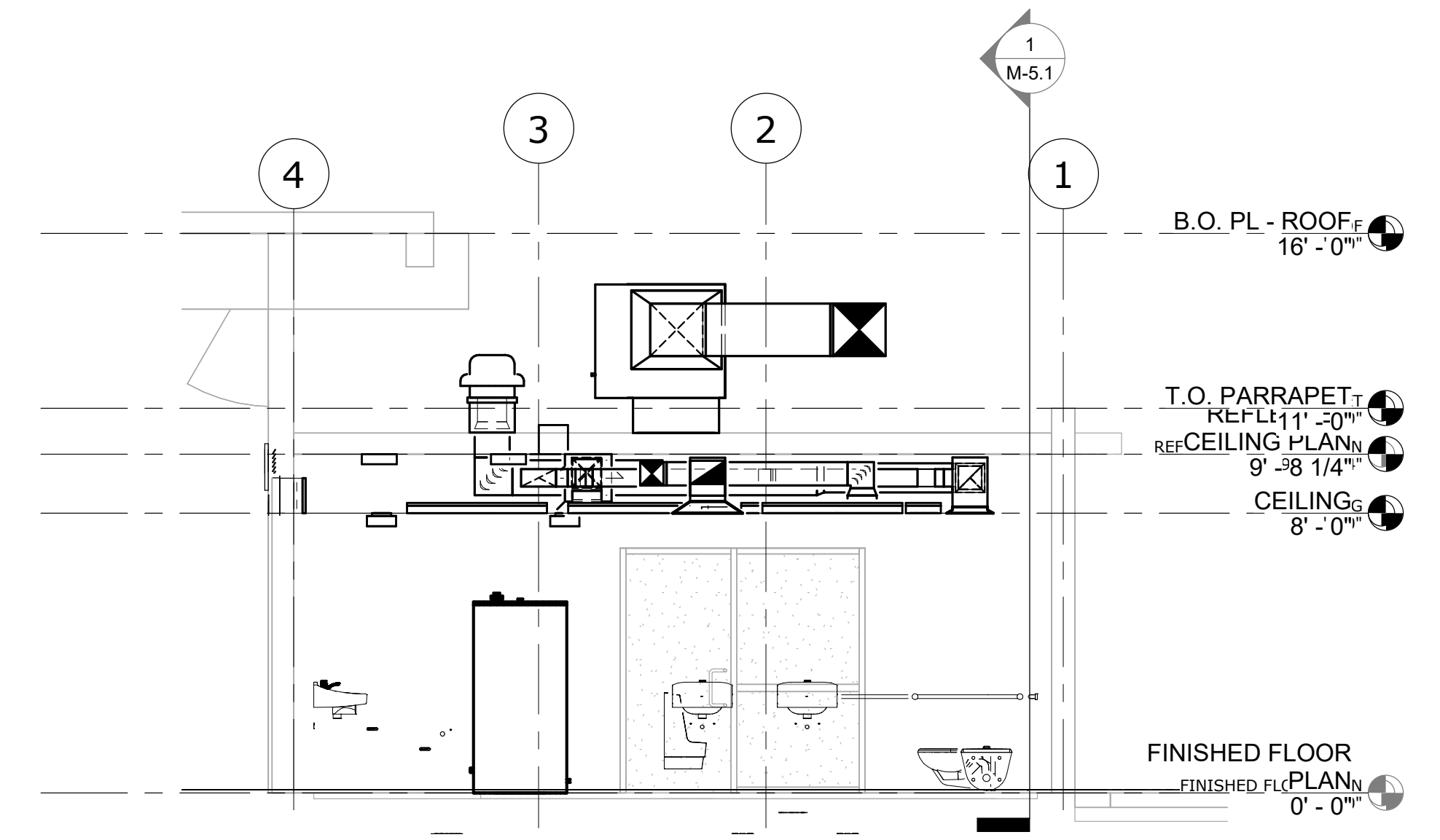
AGENCY APPROVAL
 19-NO: 000000000-00000000

LP CONSULTING ENGINEERS
 MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p.916.774.0778
 www.lpeengineers.com
 Job #: 23-2287

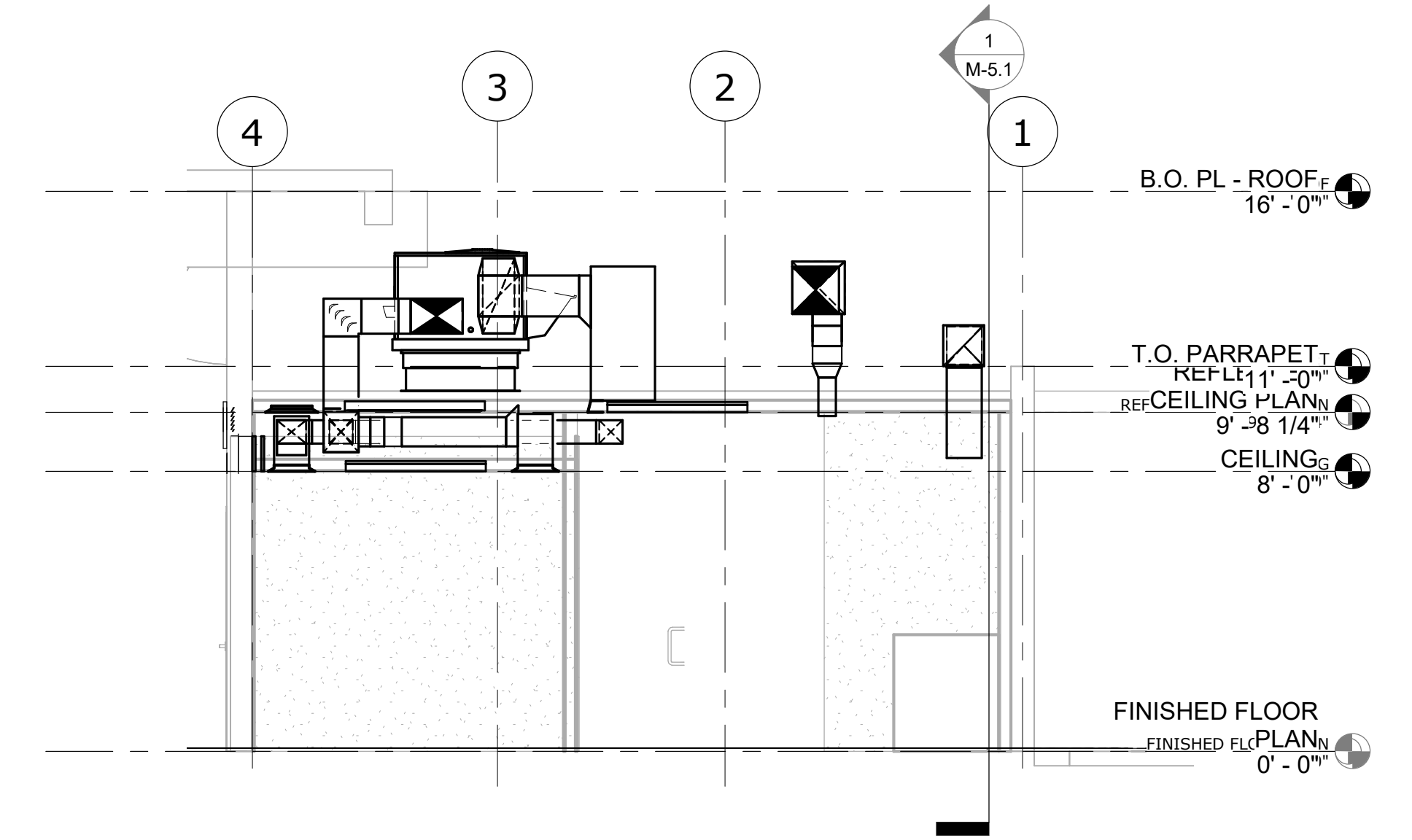
**RUHNAU
 CLARKE
 ARCHITECTS**



MECHANICAL SECTION GRID 1-2 NTS 1



MECHANICAL SECTION GRID E NTS 3



MECHANICAL SECTION GRID D NTS 2

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:22:22 PM

DATE	BY	DESCRIPTION

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

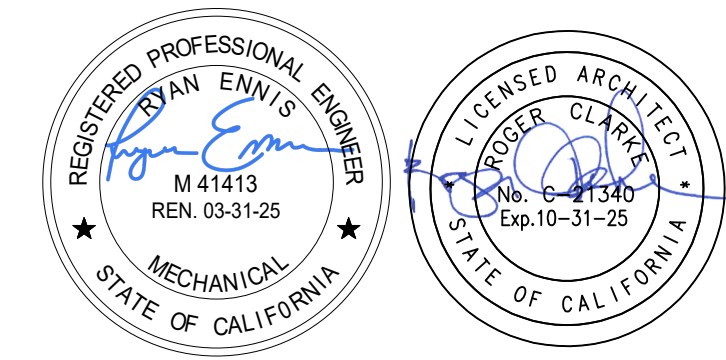
MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**MECHANICAL
 SECTIONS**

M-5.1

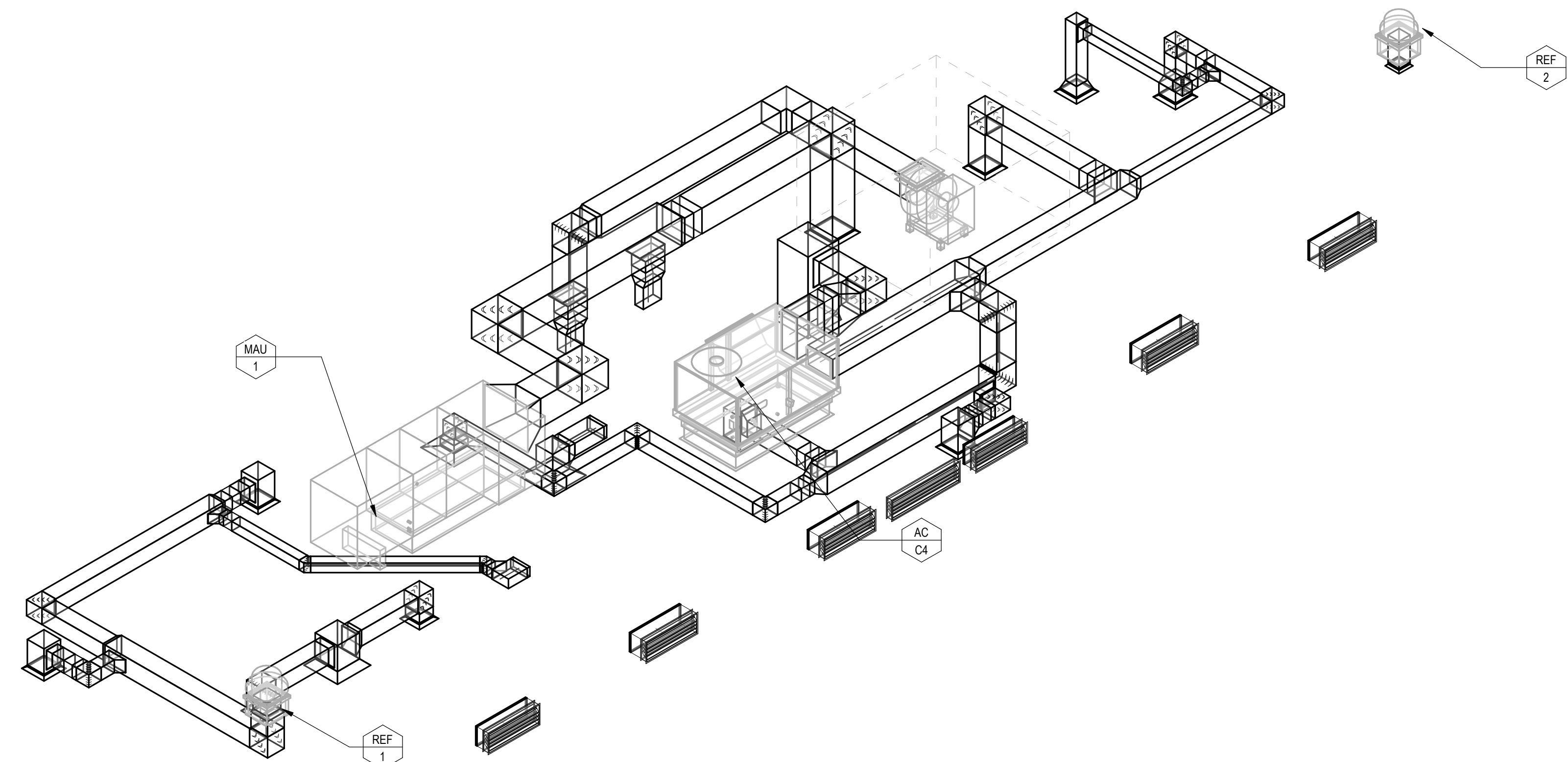
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

X-XX-XX



LP
CONSULTING ENGINEERS
 MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p. 916-774-0778
 www.lpenginers.com
 Job #: 23-2287

RUHNAU CLARKE
 ARCHITECTS



MECHANICAL ISOMETRIC NTS 1

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:22:23 PM
 DRAWN BY: _____ CHECKED BY: _____
 DELTA # _____ DATE _____ [] ADD [] APO [] CCD [] REV
 DELTA # _____ DATE _____ [] ADD [] APO [] CCD [] REV
 DELTA # _____ DATE _____ [] ADD [] APO [] CCD [] REV

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

MECHANICAL ISOMETRICS

M-6.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

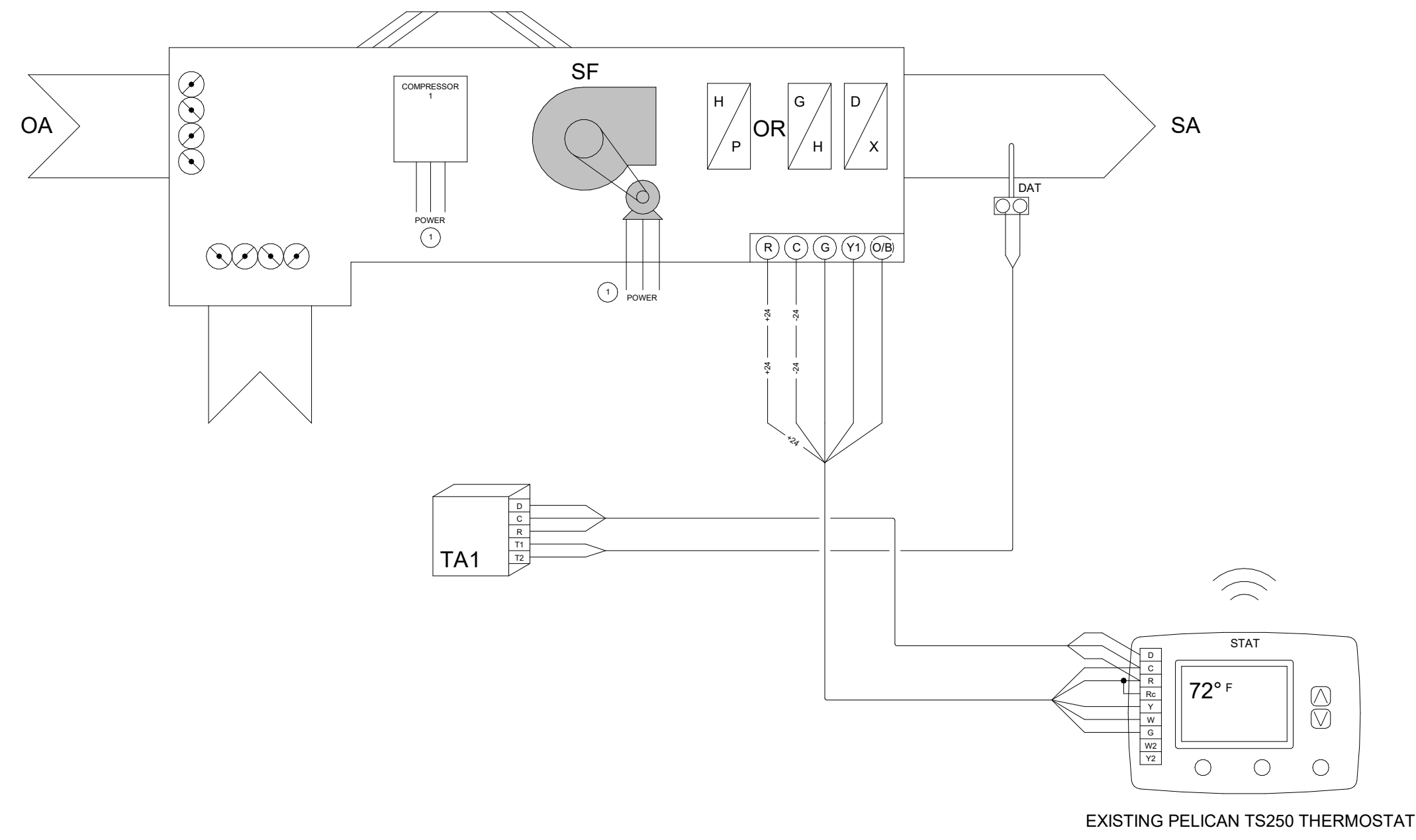
X-XX-XX

Sheet Notes

1 LINE VOLTAGE & CONDUIT BY DIVISION 16.

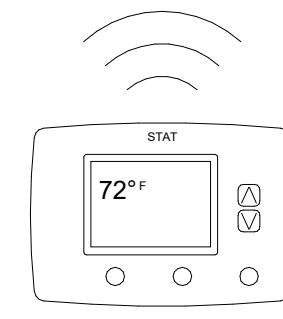
Control Components			
TAG	QTY	PART NUMBER	DESCRIPTION
STAT	0	PEL TS250	WIRELESS TEMPERATURE + CO2 THERMOSTAT
DAT	1	ACI AXP-D-8"-PB	REMOTE 8" TYPE 2 10K DUCT SENSOR
TA1	1	PEL TA1	TEMPERATURE AND ALARM SENSOR

Control Components			
TAG	QTY	PART NUMBER	DESCRIPTION
GATEWAY	X	PEL GW400	PELICAN WIRELESS GATEWAY
REPEATER	X	PEL WR400	PELICAN WIRELESS REPEATER

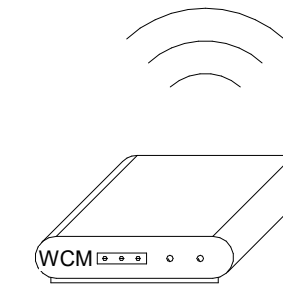


HEAT PUMP OR AC UNIT WITH AIR COOLED CONDENSER CONTROL DIAGRAM NTS 2

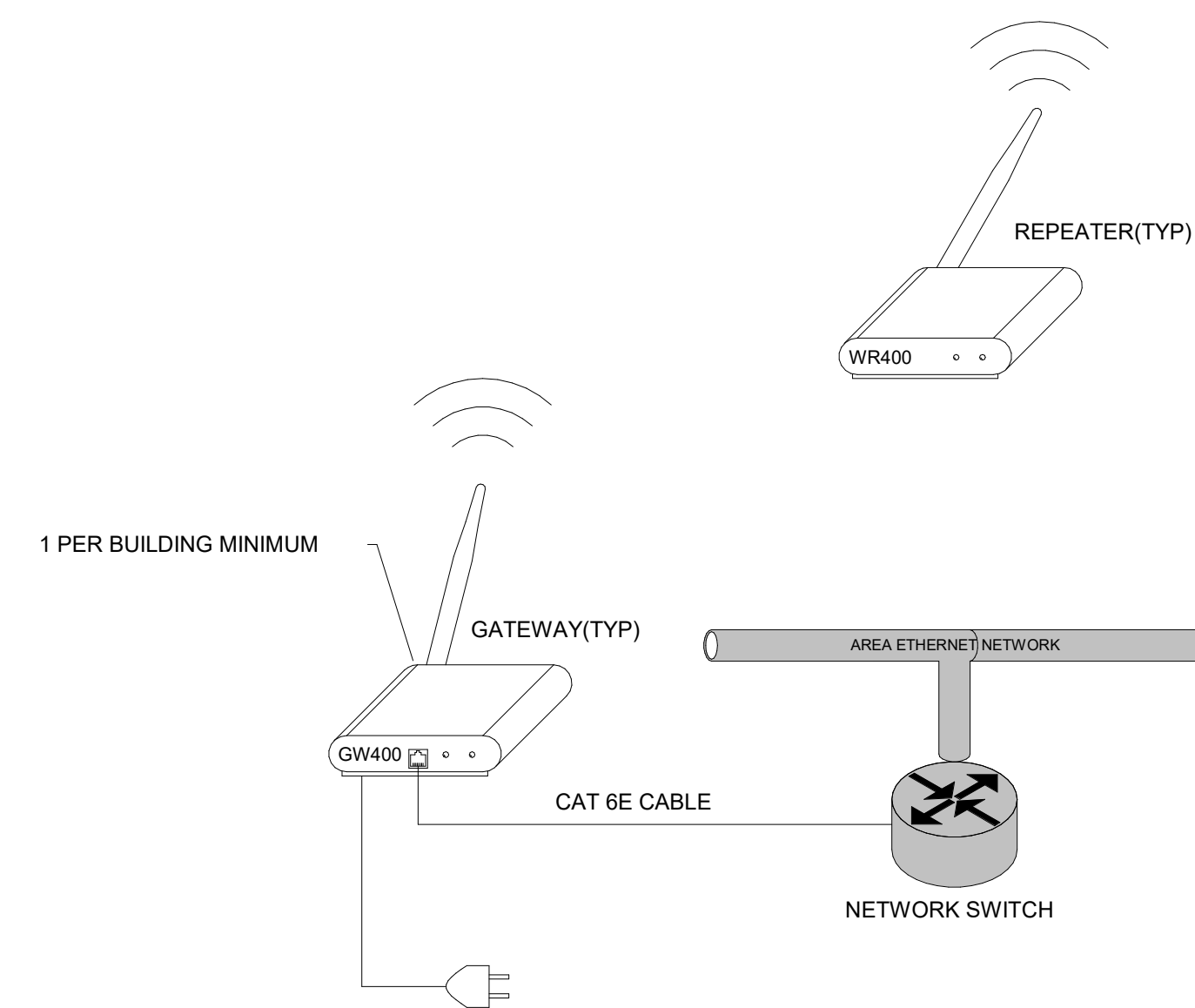
THERMOSTAT(TYP)



RELAY MODULE(TYP)

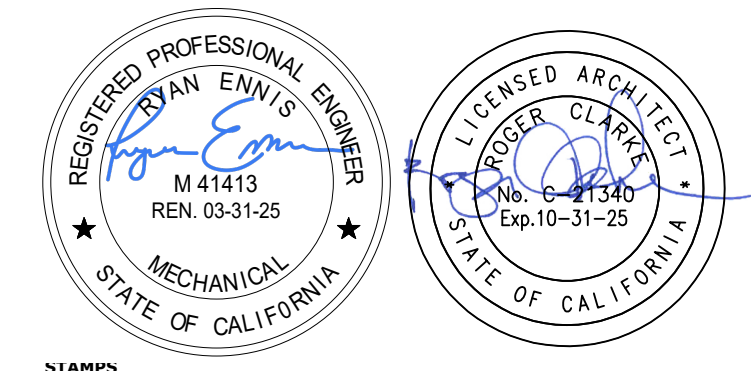


1 PER BUILDING MINIMUM



NOTE:
CONNECT NEW MECHANICAL UNIT TO EXISTING PELICAN SYSTEM.

CONTROL SYSTEM LAN ARCHITECTURE DIAGRAM NTS 1



LP CONSULTING ENGINEERS
 MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p.916-774-0778
 www.lpengineers.com
 Job #: 23-2287

RUHNAU CLARKE
 ARCHITECTS

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:22:24 PM
 DRAWN BY: _____ CHECKED BY: _____
 DELTA # _____ DATE _____ [ADD] [REV] [ADD] [REV] [ADD] [REV]
 DELTA # _____ DATE _____ [ADD] [REV] [ADD] [REV] [ADD] [REV]
 DELTA # _____ DATE _____ [ADD] [REV] [ADD] [REV] [ADD] [REV]

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

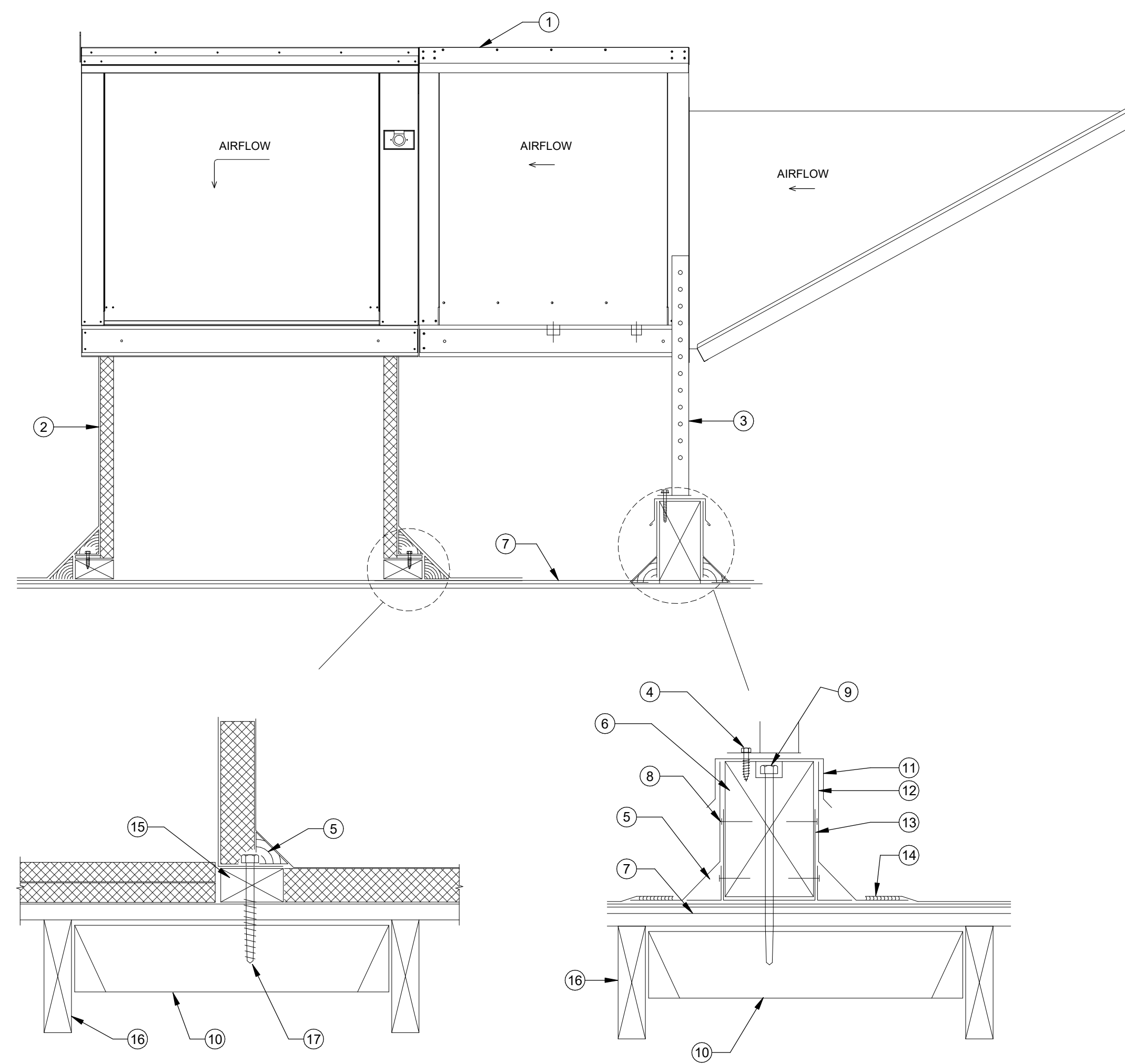
MECHANICAL CONTROLS

M-7.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

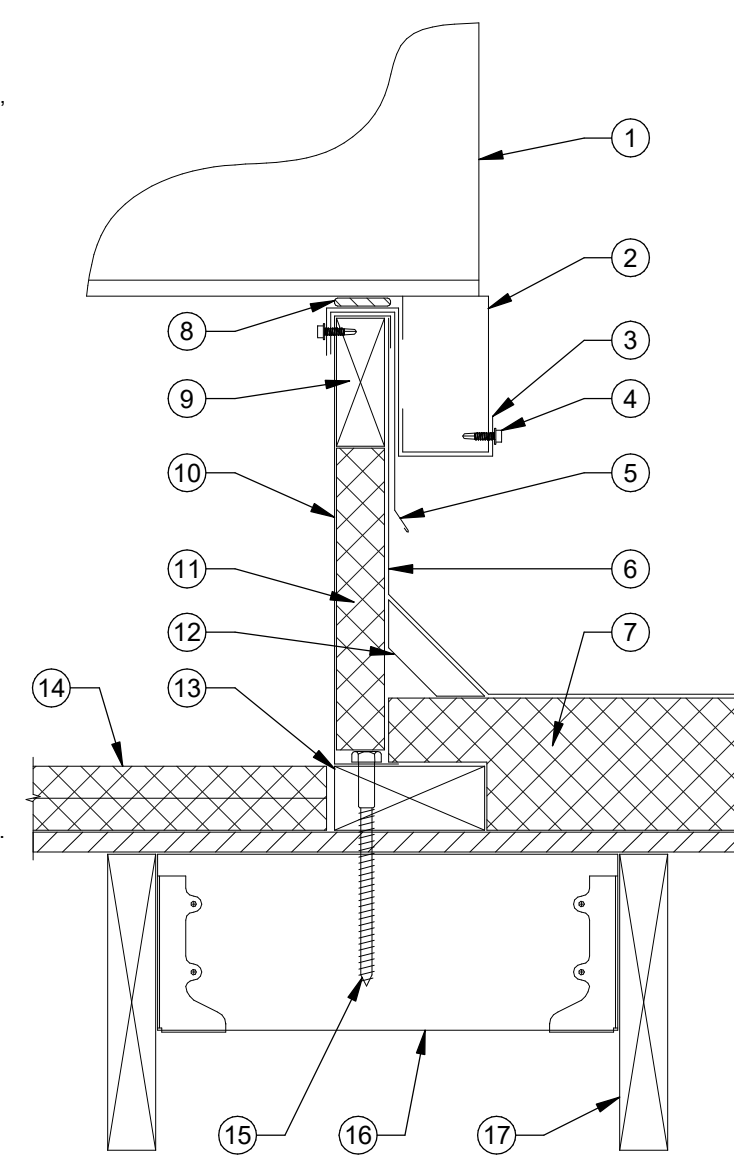
X-XX-XX

- MAKE-UP AIR UNIT
- 20" MANUFACTURER'S CURB
- MANUFACTURER'S ADJUSTABLE LEG
- 3/8" LAG BOLT, 3" EMBEDMENT w/ NEOPRENE WASHER THRU ADJUSTABLE LEGS TO BLOCK PER MANUFACTURER'S RECOMMENDATIONS.
- CANT STRIP
- PRESSURE TREATED DOUG FIR LEVELING BLOCK, MIN 1-1/2" HIGH
- ROOF
- ATTACH WITH GALV. NAILS AT 12" O.C. (3 MIN.). TYP. EA. SIDE ATTACH WITH GALV. NAILS AT 12" O.C. (3 MIN.), TYP. EA. SIDE
- 1/2" LAG BOLTS W/ 4" MIN EMBEDMENT INTO BLG (4) TOTAL REQUIRED EVENLY SPACED.
- 6x6 BLG W/ U66 HANGERS EA END TYP AT LAG BOLTS.
- 22 GA. CR METAL CAP FLASHING
- PVC COATED METAL FLASHING (4) SIDES, LAP & WELD JOINTS
- POLYESTER PROTECTION MAT WRAP BLOCKING
- 2" MIN. CONTINUOUS WELD FLASHING TO SINGLE-PLY ROOFING MEMBRANE
- PRESSURE TREATED DOUG FIR LEVELING BLOCK, MIN. 2" HIGH, TOP FLAT/LEVEL.
- ROOF FRAMING, SEE STRUCTURAL.
- 1/2" LAG SCREWS W/ 4" MIN EMBEDMENT INTO BLOCKING AT 24" O.C., MIN 2 SCREWS EACH SIDE (8 LAG BOLTS TOTAL) AND 8" FROM END, TYP.



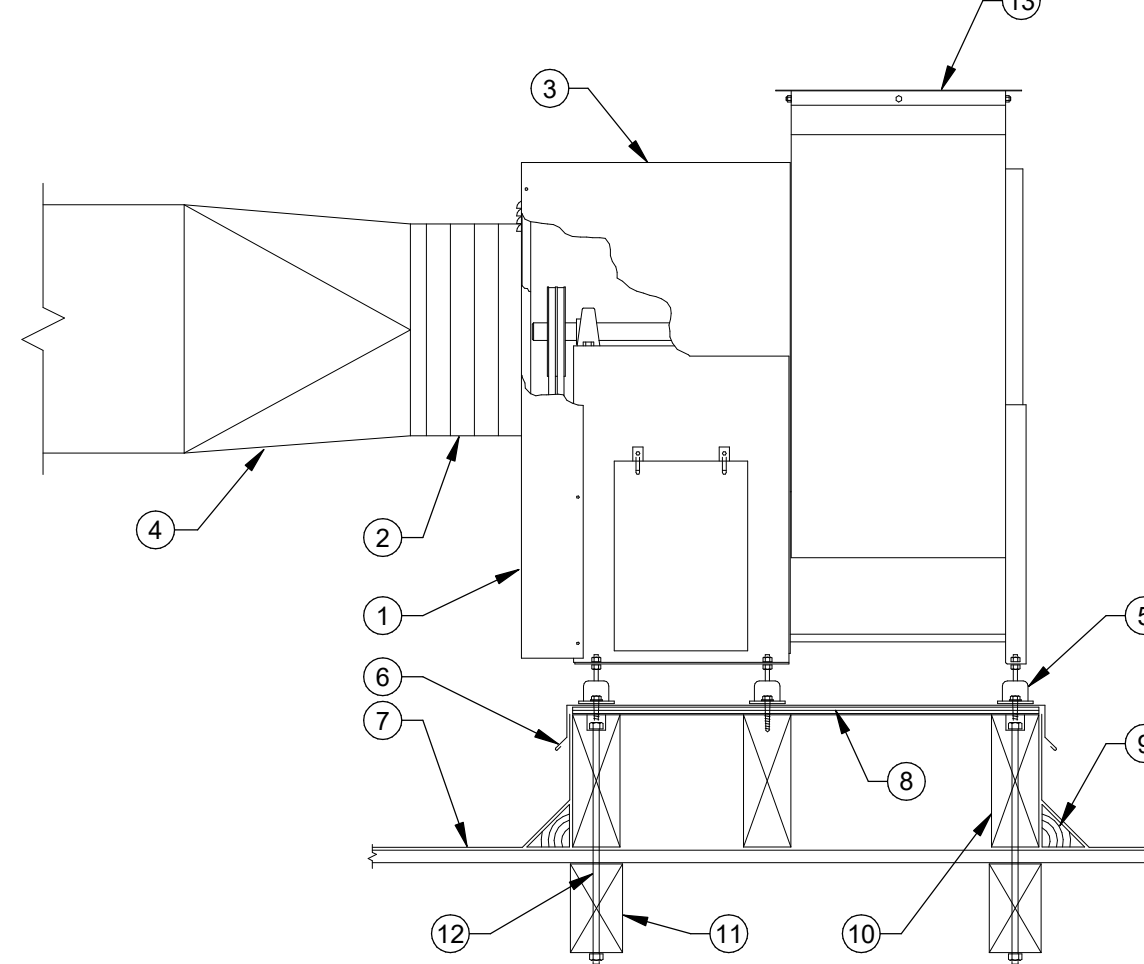
MAKE-UP AIR UNIT MOUNTING NTS 4

- PACKAGED ROOFTOP UNIT, SEE SCHEDULES.
- UNIT BASE RAIL.
- HOLD DOWN S-CLIP, 16 GA STEEL, 6" WIDE, MIN (2) ON EA SIDE OF UNIT.
- SECURE HOLD DOWNS TO UNIT BASE RAIL AND CURB WITH (4) #12 X 3/4" SELF DRILLING TEK SCREWS, (2) PER SIDE, TYP.
- 26 GA GALV. SM COUNTERFLASHING.
- ROOFING UP AND UNDER FLASHING.
- ROOF INSULATION FORMED TO MEET CURB WHERE APPLICABLE, SEE ARCHITECTURAL DRAWINGS.
- 1/2" THICK NEOPRENE GASKET ALL AROUND CURB.
- WOOD NAILER PROVIDED WITH UNIT CURB.
- UNIT CURB, SEE SCHEDULES.
- RIGID INSULATION, FILL CURB CAVITY UP TO WOOD NAILER.
- CANT STRIP.
- PRESSURE TREATED DOUG FIR LEVELING BLOCK, MIN. 2" HIGH, TOP FLAT/LEVEL (MAY BE OMITTED WITH USE OF PRE-SLOPED CURB).
- 2 LAYERS 1" THICK INSULATION BOARD, COVER ROOF INSIDE CURB.
- 1/2" LAG SCREW W/ MIN. 4" EMBED INTO BLOCKING, MAX. 24" O.C., MAX 8" FROM ENDS, MIN. (2) EACH SIDE.
- 4x6 BLOCKING BETWEEN JOISTS W/ U66 HANGERS EA. END.
- ROOF FRAMING, SEE STRUCTURAL.



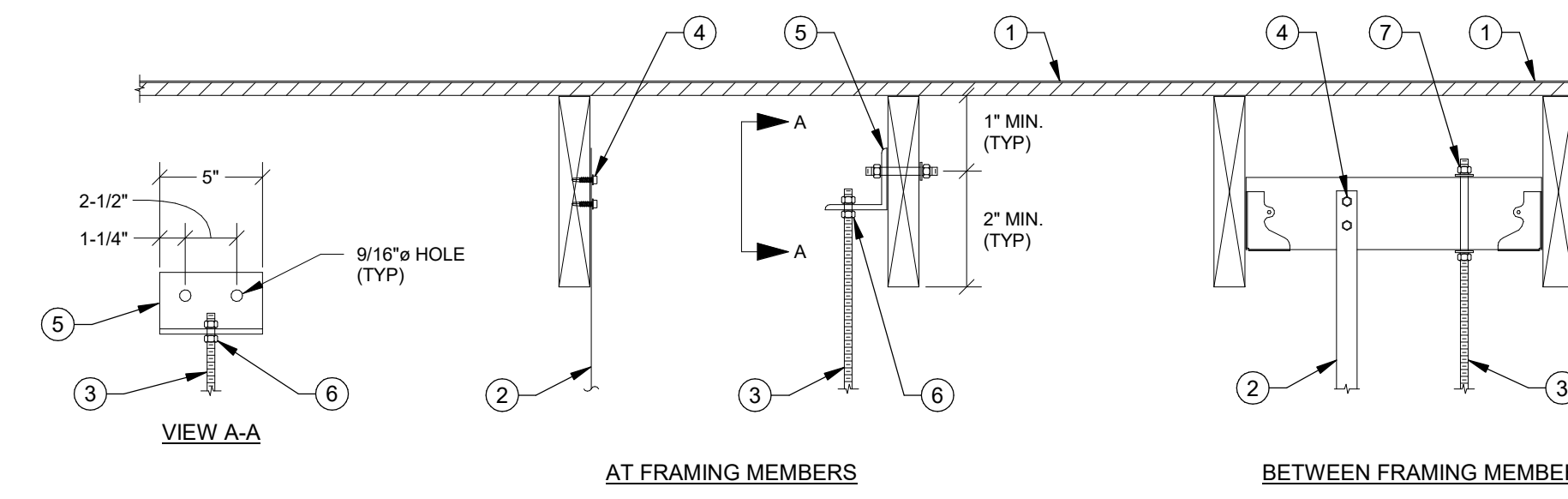
AC MOUNTING NTS 6

- UTILITY SET EXHAUST FAN, SEE SCHEDULE
- INLET FLEX DUCT CONNECTION
- WEATHERGUARD ENCLOSURE PROVIDED WITH FAN
- RECTANGULAR TO ROUND DUCT TRANSITION VIBRATION SPRING ISOLATOR PROVIDED WITH FAN, TYP. SILICONE SEAL ALL PENETRATIONS INTO CURB
- VIBRATION SPRING ISOLATOR PROVIDED WITH FAN, TYP. SILICONE SEAL ALL PENETRATIONS INTO CURB
- 20" GA. GALV. SHEET METAL CURB CAP, LAP, FOLD & SOLDER ALL HORIZ. JOINTS
- FINISH ROOFING FIN UP AND UNDER CURB CAP
- LEVEL, 1-1/8" PLYWOOD PLATFORM
- CANT STRIP ALL AROUND CURB
- 4"x8" DOUGLAS FIR SUPPORT RAIL SHAPED FOR ROOF SLOPE, TYP.
- 4"x4" BLOCKING BETWEEN JOISTS WITH U44 HANGERS AT EACH END (2 EA. SIDE)
- MESH OUTLET SAFETY SCREEN PROVIDED BY FAN MFR



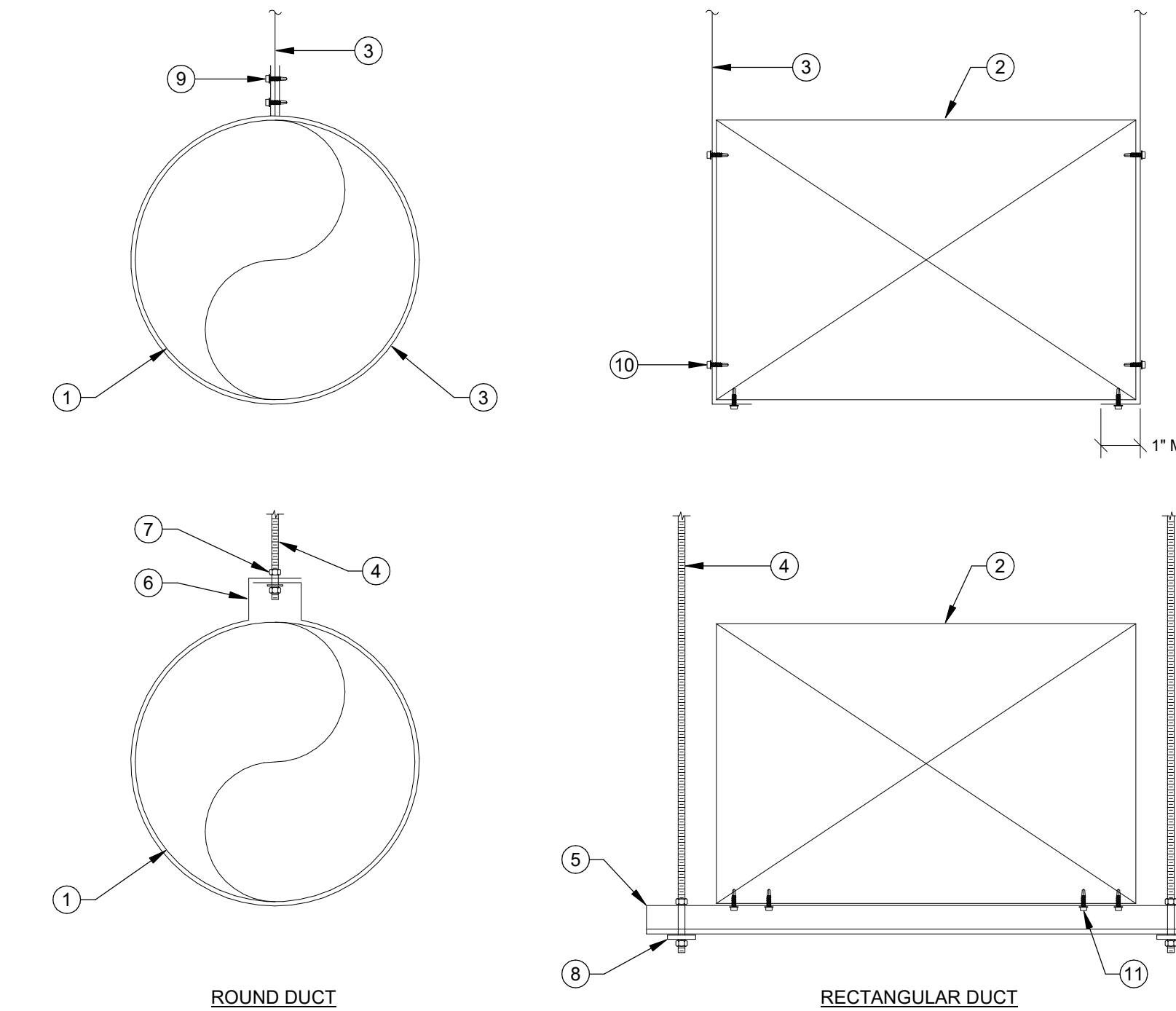
M_UTILITY EXHAUST FAN MOUNTING NTS 5

- FLOOR/ROOF, SEE STRUCTURAL DRAWINGS.
- 1" x 20 GA. GALV. SHEET METAL STRAP.
- 3/8" THREADED ROD, B-LINE ATR OR EQUAL.
- (2) #12 x 1" SMC, 2" O.C. MIN.
- 2-1/2" x 1/4" x 3" LONG GALVANIZED STEEL ANGLE, ATTACH TO FRAMING WITH (2) 1/2" BOLTS OR THREADED ROD WITH NUTS AND WASHER.
- NUT, TOP AND BOTTOM.
- NUT AND WASHER, TOP AND BOTTOM.



HANGER UPPER ATTACHMENTS NTS 1

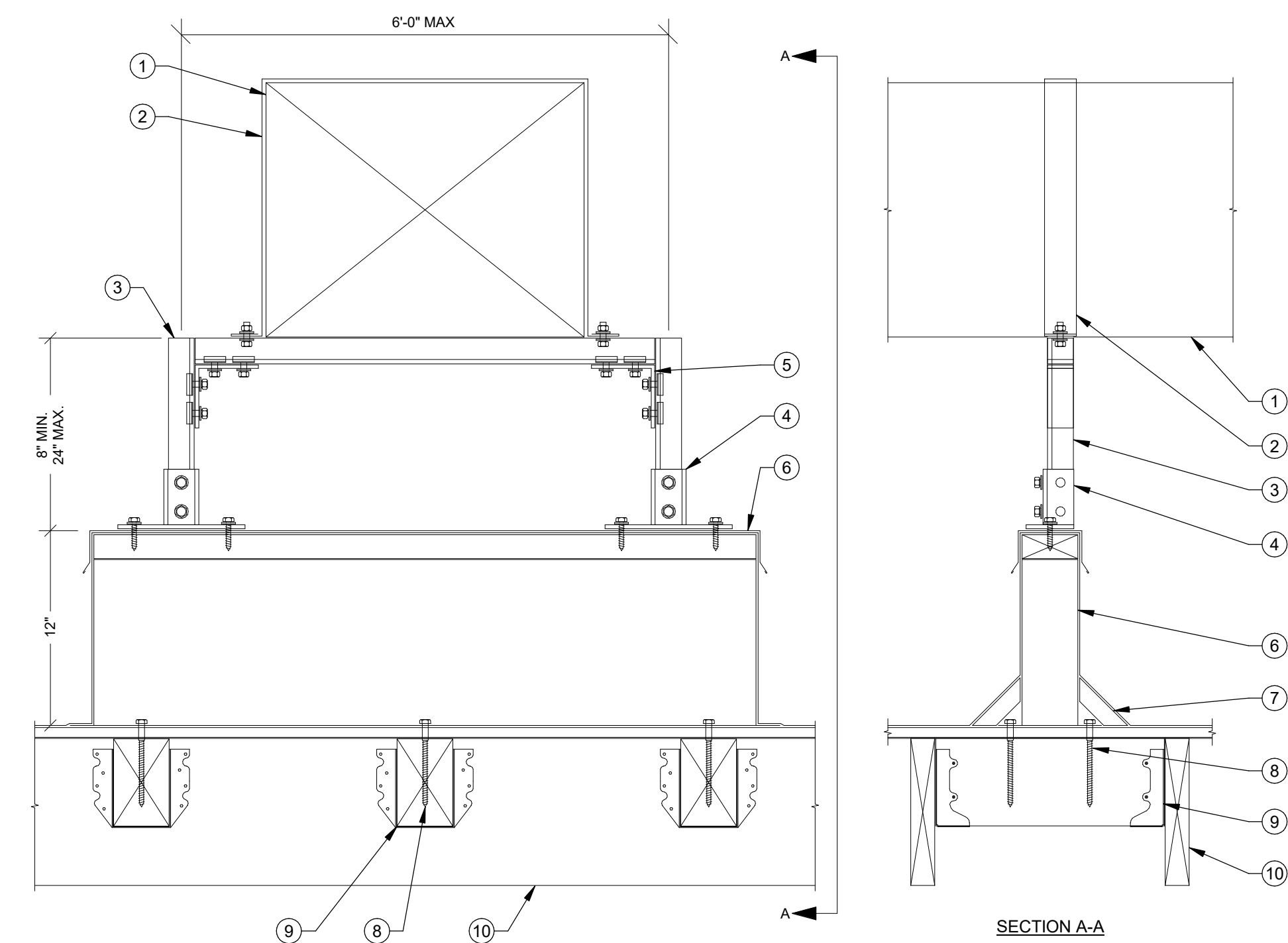
- ROUND DUCT, SEE PLAN FOR SIZE AND ROUTING.
- RECTANGULAR DUCT, SEE PLAN FOR SIZE AND ROUTING.
- 1" x 20 GA. GALV. SHEET METAL STRAP.
- 3/8" THREADED ROD, B-LINE ATR OR EQUAL.
- 1-5/8" x 1-5/8" x 1/2 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
- 1" x 20 GA GALV. SHEET METAL STRAP WITH 3"x2" HIGH FLANGE.
- NUT AND WASHER, TOP AND BOTTOM.
- NUT, TOP AND BOTTOM WITH UNISTRUT SQUARE WASHER, B-LINE MODEL, BOTTOM OR EQUAL.
- (2) #10 TEK SCREWS, EA SIDE.
- (3) #10 TEK SCREWS, EA SIDE.
- (2) #10 TEK SCREWS, EA SIDE.



DUCT HANGERS NTS 2

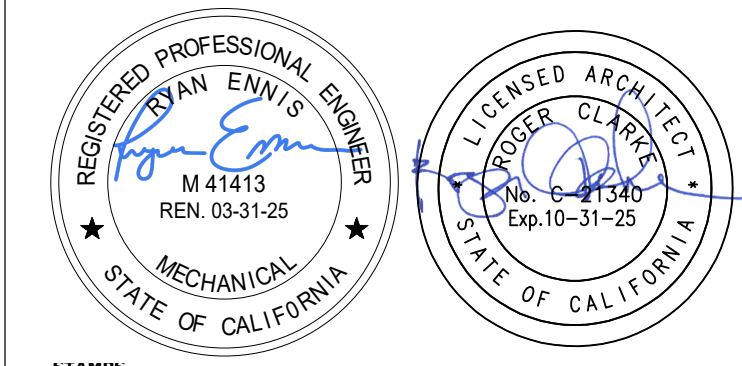
- NOTES:
- HANGER SPACING TO BE AT MAXIMUM 8FT O.C.

- RECTANGULAR OR ROUND DUCT, SEE PLAN FOR SIZE.
- 2" WIDE X 18 GA. GALV. SHEET METAL STRAP, FOLD OVER ENDS, SECURE TO CHANNEL WITH 3/8" BOLTS WITH NUT AND WASHER AT EACH END.
- 1-5/8" x 1-5/8" x 1/2 GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL, TYP. CHANNEL POST BASE, B-LINE B205FL OR EQUAL, SECURE TO CURB WITH (2) 3/8" STAINLESS STEEL WOOD SCREWS WITH WASHER, MIN. 1" EMBED, SILICONE SEAL PENETRATION WATER TIGHT.
- 4-HOLE CORNER ANGLE, B-LINE B115 OR EQUAL, SECURE TO UNISTRUT CHANNEL WITH (4) 3/8" BOLTS WITH CHANNEL NUTS, TYP.
- 12" HIGH PREFAB. 18 GA. GALV. STEEL SUPPORT CURB WITH 1-1/2" PRESSURE TREATED WOOD NAILER AND SHEET METAL COUNTERFLASHING, PATE MODEL ES-2 OR EQUAL.
- CANT STRIP, BOTH LONG SIDES OF CURB.
- 3/8" LAG SCREW WITH MIN. 4" EMBED INTO BLOCKING, MAX. 24" O.C., MAX. 3" FROM ENDS, MIN. (2) EACH SIDE OF CURB.
- 4x6 BLOCKING BETWEEN JOISTS WITH U46 HANGERS EACH END.
- ROOF FRAMING, SEE STRUCTURAL.



DUCT SUPPORT ON ROOF NTS 3

- NOTE:
- SUPPORT SPACING TO BE AT MAXIMUM 8FT O.C.



MEP & FS / Sustainability / CA
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-771-0778
 www.lpeengineers.com
 Job #: 23-2287

RUHNAU
CLARKE
ARCHITECTS

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:22:26 PM

DATE	BY	REVISION

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 3751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

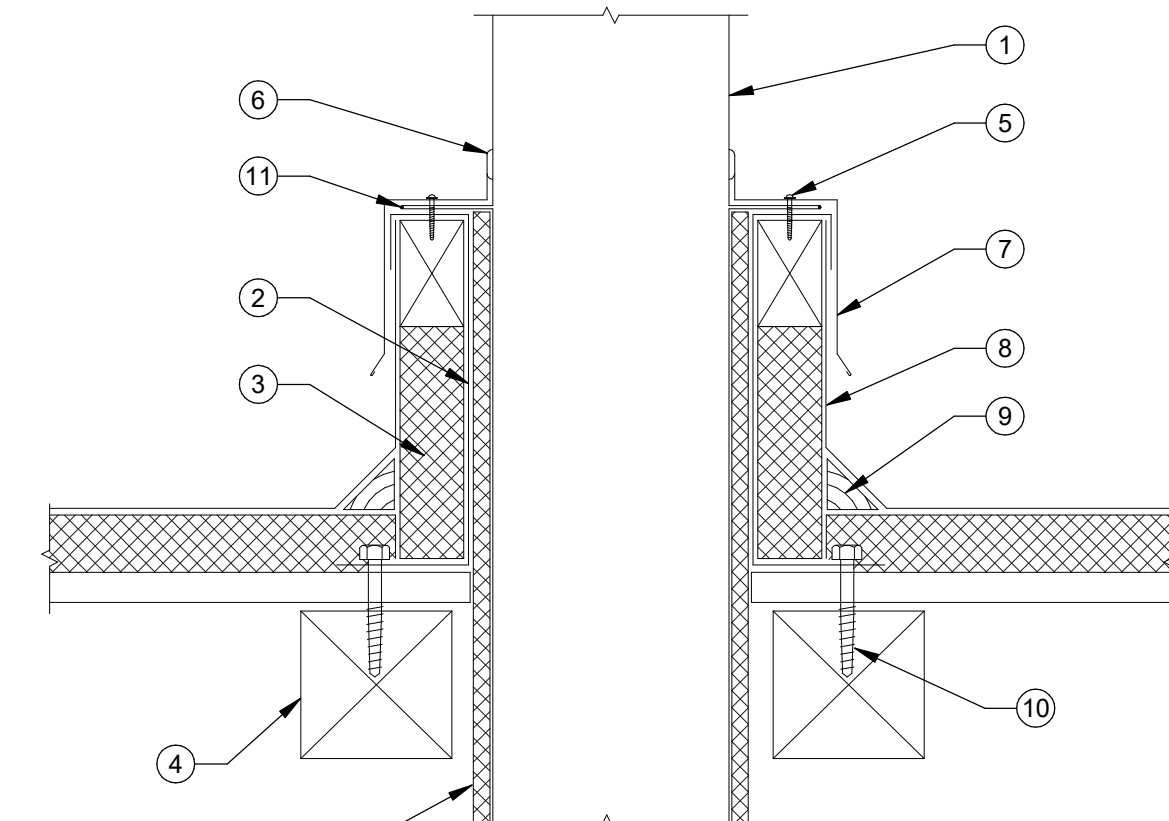
MECHANICAL DETAILS

MD-1.1

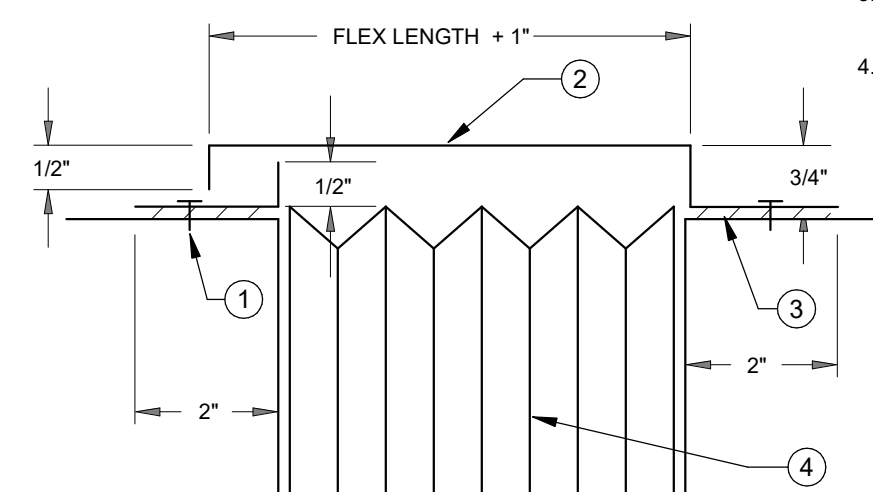
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

X-XX-XX

1. TYPE 1 GREASE DUCT THRU ROOF. SEE PLAN FOR SIZE AND ROUTING
2. PREFABRICATED PITCHED ROOF CURB, "THYCURB" MODEL TC-3 WITH WOOD NAILER
3. RIGID INSULATION ALL AROUND
4. 4X4 BLOCKING ALL AROUND CURB. SECURE TO ROOF FRAMING WITH U44 HANGERS
5. #10 MIN. X 1" S.M. SCREW WITH NEOPRENE WASHER AT 6" O.C., EACH SIDE, SEALANT ALL AROUND
6. 20 GA GALV S/M COUNTER FLASHING
7. ROOF UP AND UNDER FLASHING
8. CANT STRIP
9. 3/8" X 3" LAG SCREW AT 12" O.C., MIN. 2 PER SIDE
10. FLANGE WELDED TYPE 1 EXHAUST DUCTWORK
11. (2) LAYERS OF GREASE DUCT FIRE WRAP



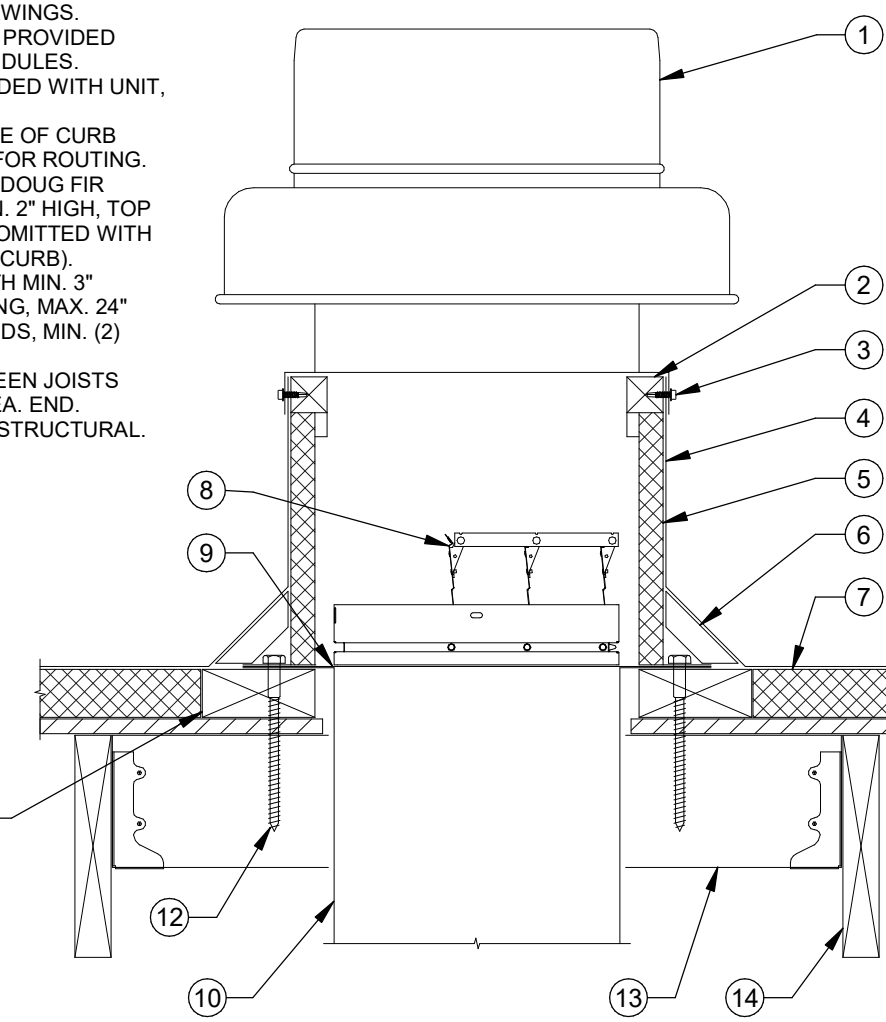
GREASE DUCT THRU ROOF NTS 8



NOTE:
TO BE INSTALLED ON ALL FLEXIBLE DUCT CONNECTIONS.

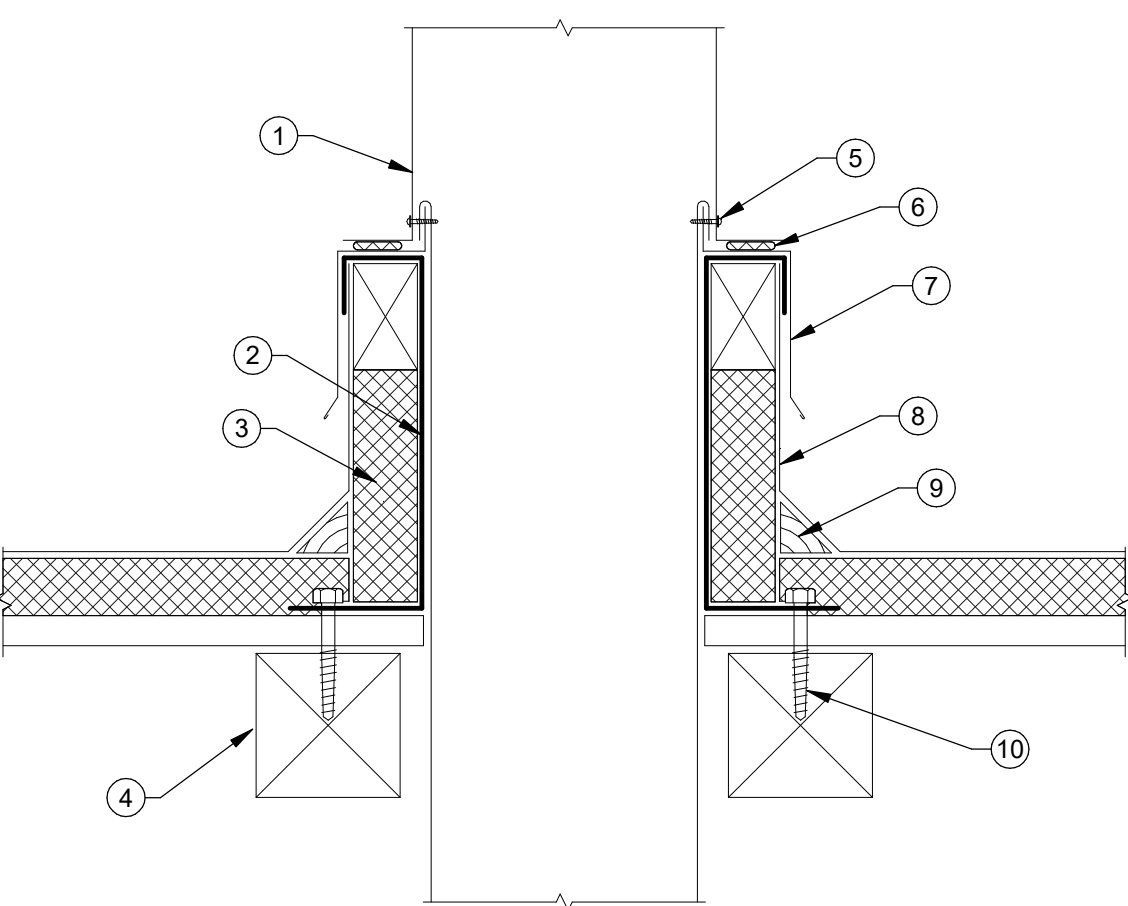
SHEET METAL COVER FOR FLEX DUCT NTS 5

1. ROOF EXHAUST FAN, SEE SCHEDULES.
2. WOOD NAILER PROVIDED WITH UNIT CURB.
3. #1/2 TEK SCREWS WITH MIN. 3/4" EMBED. INTO WOOD NAILER, MIN. (2) PER SIDE. SILICONE SEAL PENETRATIONS WATER TIGHT.
4. ROOFING UP AND UNDER FAN FLASHING.
5. UNIT CURB, SEE SCHEDULES.
6. CANT STRIP.
7. ROOF INSULATION FORMED TO MEET CURB WHERE APPLICABLE. SEE ARCHITECTURAL DRAWINGS.
8. BACKDRAFT DAMPER PROVIDED WITH UNIT. SEE SCHEDULES.
9. DAMPER TRAY PROVIDED WITH UNIT. SEE SCHEDULES.
10. DUCTWORK, FULL SIZE OF CURB OPENING. SEE PLAN FOR ROUTING. PRESSURE TREATED ROOF FIRE LEVELING BLOCK, MIN. 2" HIGH, TOP FLAT LEVEL. (MAY BE OMITTED WITH USE OF PRE-SLOPED CURB).
11. 10" LAG SCREW WITH MIN. 3" EMBED. INTO BLOCKING, MAX. 24" O.C. MAX. 9' FROM ENDS, MIN. (2) EACH SIDE.
12. 4X4 BLOCKING BETWEEN JOISTS WITH LAG HANGERS EA. END.
13. ROOF FRAMING. SEE STRUCTURAL.



ROOF EXHAUST FAN MOUNTING NTS 6

1. DUCT THRU ROOF. SEE PLAN FOR SIZE AND ROUTING.
2. PREFABRICATED PITCHED ROOF CURB, "THYCURB" MODEL TC-3 WITH WOOD NAILER
3. RIGID INSULATION ALL AROUND.
4. (E) STRUCTURAL BEAM.
5. #10 MIN. X 1" S.M. SCREW WITH NEOPRENE WASHER AT 6" O.C., EACH SIDE.
6. SEALANT ALL AROUND.
7. 20 GA. GALV. S.M. COUNTER FLASHING.
8. ROOF UP AND UNDER FLASHING.
9. CANT STRIP.
10. 3/8" X 3" LAG SCREW AT 12" O.C., MIN. 2 PER SIDE. 3" EMBED. INTO ROOF FRAMING OR BLOCKING.
11. 4X4 BLOCKING W/ U44 HANGERS EACH END.



DUCT THRU ROOF NTS 7

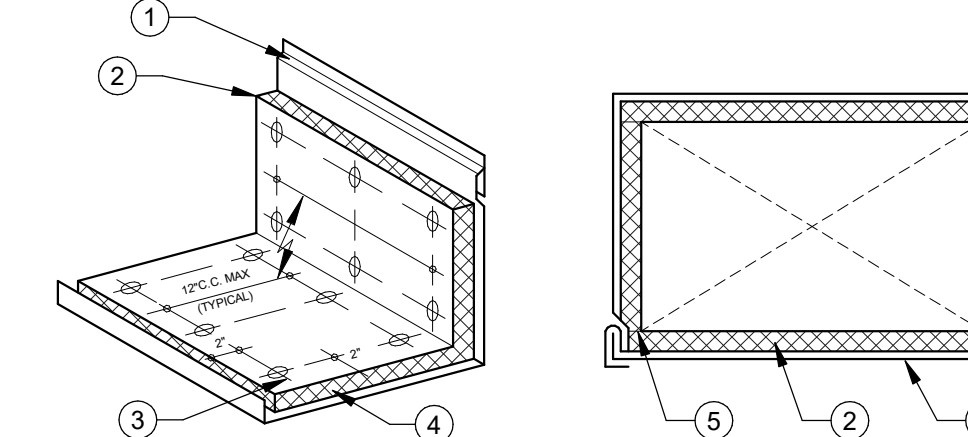
1. SHEET METAL SCREWS @ 16" O.C. SET IN MASTIC (TYPICAL)
2. 24 GAUGE GALVANIZED SHEET METAL COVER (TOP AND SIDES)
3. DUCT SEAL, DURO-DYNE, GLENKOTE OR EQUIVALENT. NO MASTIC TO METAL SEAM.
4. FLEXIBLE DUCT CONNECTION.

DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	TRANSVERSE REINFORCING (1)			
			DRIVE SLIP	HEMME D S SLIP	ALTERN T BAR SLIP	REINFORCED BAR SLIP
UP THRU 12	26	NONE REQUIRED	1	26	24	24
13 - 18	24	NONE REQUIRED	1	24	24	24
19 - 30	24	1" x 1" x 18" @ 60 IN.	1		24	24
31 - 42	22	1" x 1" x 18" @ 60 IN.	1		22	22

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

DUCT CONSTRUCTION STANDARDS NTS 1

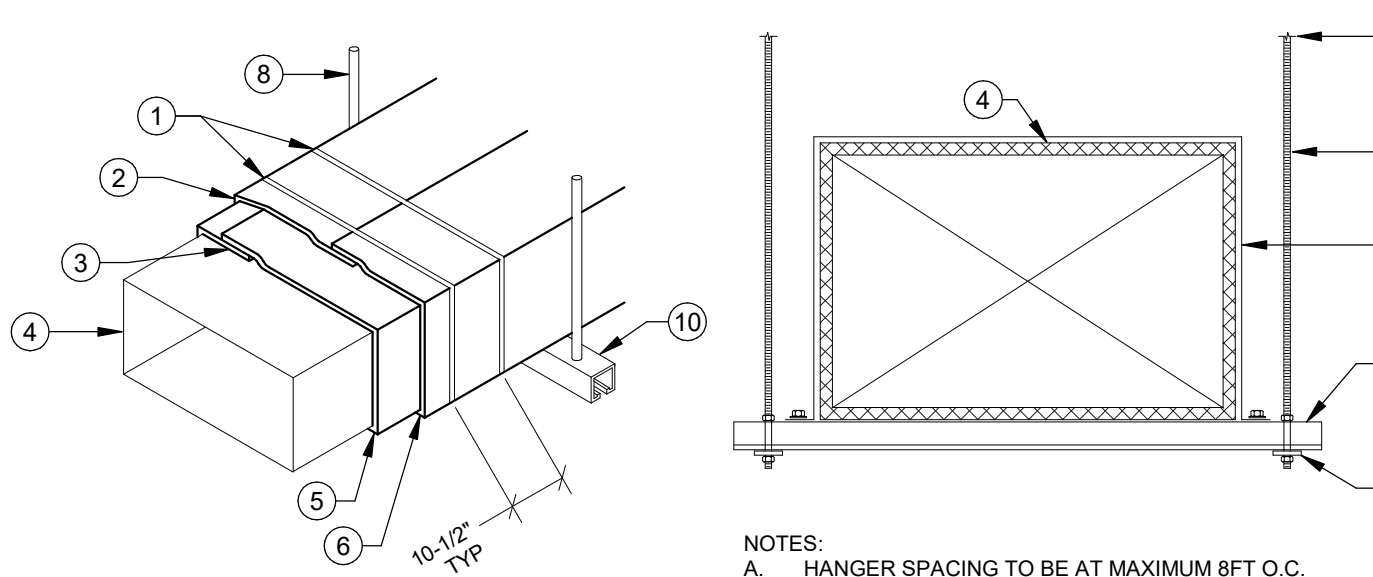
1. GALVANIZED SHEET METAL DUCT.
2. 1" THICK ACOUSTIC DUCT LINER. LINER TO BE ADHERED TO DUCT, W/ 100% ADHESIVE (MIRACLE PF96).
3. NOT MORE THAN 2" FROM EDGE OF DUCT LINER.
4. ALL ENDS OF LINER TO BE COATED WITH ADHESIVE. (MIRACLE PF96). ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER.
5. TOP AND BOTTOM SECTIONS OF LINER SHALL OVERLAP THE SIDES.



METAL FASTENERS:
OMARK INSUL-PINS, DURA DYNE FASTENERS OR GRIP NAILS. GRIP NAILS SHALL BE INSULATED BY "GRIP NAIL AIR-HAMMER" OR BY AUTOMATIC FASTENER EQUIPMENT.

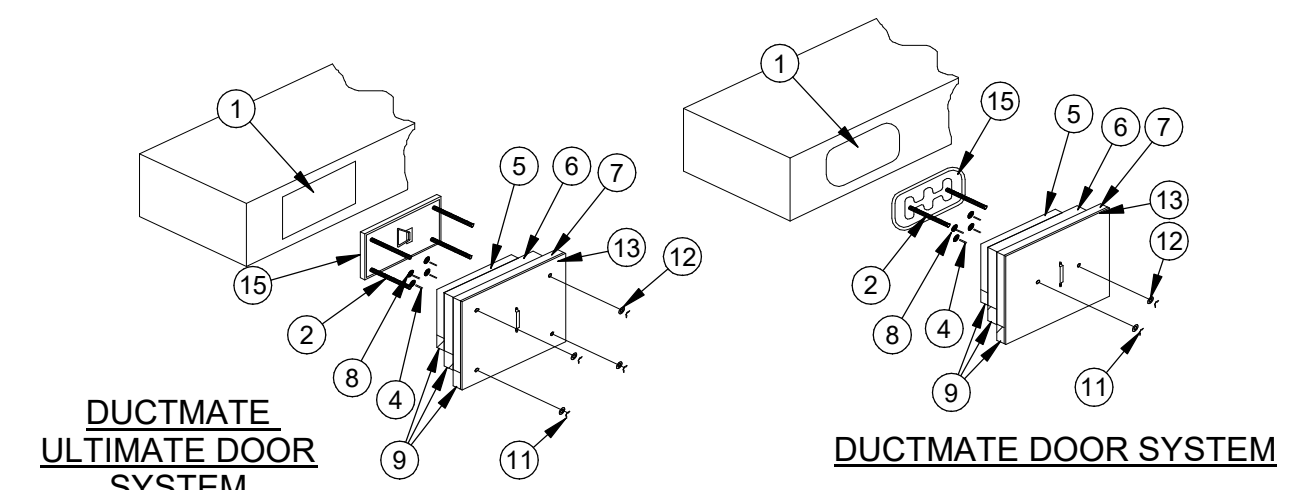
ACOUSTIC LINED DUCTS NTS 2

1. STEEL BANDING 1/2" WIDE MIN. (TYP).
2. 3" MIN. LONGITUDINAL OVERLAP.
3. 3" MIN. PERIMETER OVERLAP.
4. RECTANGULAR FIRE WRAPPED DUCT. SEE PLAN FOR SIZE AND ROUTING.
5. FIRST LAYER 3M FIRE BARRIER DUCT WRAP 20A.
6. SECOND LAYER 3M FIRE BARRIER DUCT WRAP 20A.
7. SEE UPPER ATTACHMENT DETAIL. XXXXX.
8. 3/8" THREADED ROD, B-LINE ATR OR EQUAL.
9. 2" WIDE X 18 GA. SHEET METAL STRAP, FOLD OVER ENDS, SECURE TO CHANNEL W/ 3/8" BOLT AND CHANNEL NUT AT EACH END.
10. 1-5/8" X 1-5/8" X 1/2" GA UNISTRUT CHANNEL, B-LINE B22 OR EQUAL.
11. NUT, TOP AND BOTTOM WITH UNISTRUT SQUARE WASHER, B-LINE MODEL B2012N OR EQUAL.



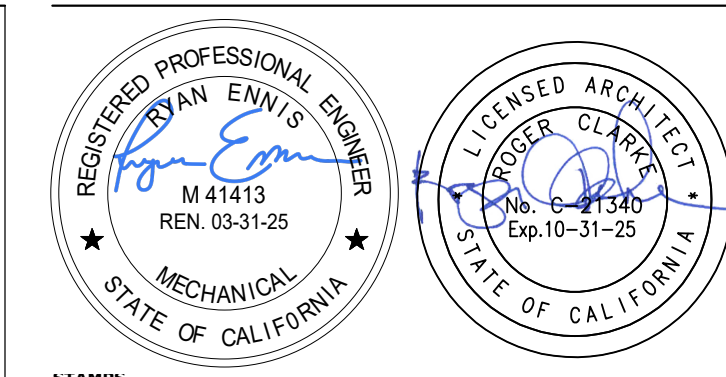
NOTES:
A. HANGER SPACING TO BE AT MAXIMUM 8FT O.C.

DUCT FIRE WRAP DETAIL NTS 3



1. ACCESS DOOR OPENING.
2. ALL THREAD RODS
3. ACCESS DOOR COVER PANEL 16 GAUGE (FIELD FAB. ONLY)
4. INSULATION PINS - WELDED TO COVER.
5. FIRST LAYER FIREWRAP.
6. SECOND LAYER FIREWRAP. 1" OVERLAP.
7. THIRD LAYER FIREWRAP. 1" OVERLAP.
8. SPEED CLIPS/WASHERS.
9. CUT EDGES SEALED WITH ALUMINUM FOIL TAPE.
10. SPOOL PIECES FOR THREAD RODS (OPTIONAL FIELD FAB. ONLY).
11. WING NUTS.
12. WASHERS.
13. INSULATION PLATE.
14. CERAMIC FIBER GASKET, 1/2" THICK.
15. PRE-FABRICATED ACCESS DOOR.

GREASE DUCT ACCESS DOOR DETAIL NTS 4



MEP & FS / Sustainability / CA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-774-0778
www.lpeengineers.com
Job #: 23-2287

RUHNAU
CLARKE
ARCHITECTS

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
6/27/2024 4:22:28 PM

DATE	BY	CHKD BY	REV

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

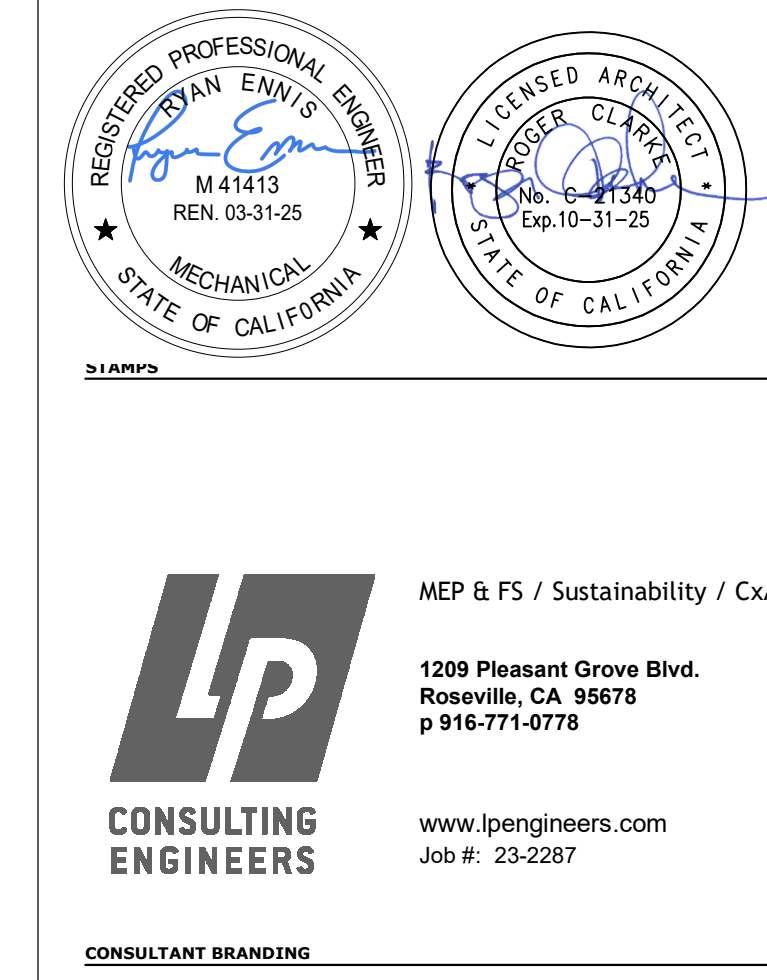
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

MECHANICAL DETAILS

MD-1.2

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

X-XX-XX



**RUHNAU
CLARKE
ARCHITECTS**

EQUIPMENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.17 THROUGH 1617A.1.20 & 1617A.1.23 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE 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 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

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 THROUGH 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 PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOB SITE 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 HCAI PRE-APPROVAL (CPM#) #0043-13.

PLUMBING LEGEND

SYMBOL	ITEM	ABBR.
WH 1	EQUIPMENT DESIGNATION / UNIT ABBREVIATION NUMBER	
WC-1	FIXTURE DESIGNATION / UNIT ABBREVIATION NUMBER	
P-1	DETAIL DESIGNATION - DETAIL NUMBER SHEET NO. WHERE SHOWN	
---	DOMESTIC COLD WATER	CW
---	DOMESTIC HOT WATER	HW
---	DOMESTIC HOT WATER RETURN	HWR
---V---	VENT	V
G	GAS	G
MG	MEDIUM PRESSURE GAS	MG
LPG	LIQUID PROPANE GAS	LPG
S	SEWER	S
GW	GREASE WASTE	GW
AV	ACID WASTE	AV
AW	ACID WASTE	AW
SD	STORM DRAIN	SD
RD	ROOF DRAIN	RD
OD	OVERFLOW DRAIN	OD
C	CONDENSATE DRAIN	C
SCD	SECONDARY CONDENSATE DRAIN	SCD
T&P	TEMPERATURE & PRESSURE RELIEF	T&P
D	DRAIN	D
FS	FIRE SPRINKLER	FS
PC	PIPE CAP	
RI	PIPE RISER / DROP	(R)ID
SOV	SHUT-OFF VALVE IN BOX	SOV
FCO	FLOOR CLEANOUT	FCO
COTG	CLEANOUT TO GRADE	COTG
CO	CLEANOUT	WCO
CO	CLEANOUT	CO
HB	HOSE BIBB	HB
OD	OVERFLOW DRAIN OUTLET	
BV	BALL VALVE	BV
GV	GATE VALVE	GV
CHKV	CHECK VALVE	CHKV
TMV	MIXING VALVE	TMV
SOC	SHUT-OFF COOK	SOC
CP	CIRCULATION PUMP	CP
BLV	BALANCING VALVE	BLV
TP	TRAP PRIMER	TP
PRV	PRESSURE REDUCING VALVE	PRV
GPR	GAS PRESSURE REGULATOR	GPR
EV	AUTOMATIC EARTHQUAKE VALVE	EV
(TYP)	TYPICAL	(TYP)
VTR	VENT THRU ROOF	VTR
UG	UNDERGROUND	UG
UF	UNDER FLOOR	UF
AB.C	ABOVE CEILING	AB.C
TA / TB	TO ABOVE / BELOW	TA / TB
FA / FB	FROM ABOVE / BELOW	FA / FB
CONT.	CONTINUATION	CONT.
(N)	NEW	(N)
(E)	EXISTING	(E)
PdD / PDC	POINT OF DISCONNECTION	PdD / PDC
DEMOLISHED/DEMO	DEMOLISHED/DEMO	

PLUMBING SPECIFICATIONS

- THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
 - 2022 CALIFORNIA BUILDING CODE
 - 2022 CALIFORNIA MECHANICAL CODE
 - 2022 CALIFORNIA PLUMBING CODE
 - 2022 CALIFORNIA ELECTRICAL CODE
 - 2022 CALIFORNIA GREEN BUILDING STANDARDS
 - 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS - TITLE 24
 - NATIONAL FIRE PROTECTION ASSOCIATION
 - CALIFORNIA STATE FIRE MARSHAL
- ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL, AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.
- THE PLUMBING CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF PLUMBING EQUIPMENT.
- CHECK AND VERIFY EXISTING CONDITIONS AT THE JOB SITE BEFORE BEGINNING WORK. ADJUST THE LOCATION AND CONFIGURATION OF THE WORK NECESSARY TO SUIT ACTUAL CONDITIONS AND OTHER TRADES. ANY CHANGES REQUIRED MUST FIRST BE APPROVED BY THE ARCHITECT OR ENGINEER.
- THE LOCATIONS OF EQUIPMENT, PIPING, AND SYSTEMS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. CHANGES REQUIRED TO SUIT EXISTING CONDITIONS AND DUE TO COORDINATION WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST TO THE OWNER.
- SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING NAME OF MANUFACTURER, TRADE NAME, MODEL, CAPACITY, OPTIONS, DIMENSIONS, WEIGHTS, INSTALLATION AND STARTUP DATA, EQUIPMENT PERFORMANCE SCHEDULED ARE MINIMUM CAPACITY, FLOW, EFFICIENCY, ETC. REQUIRED, WEIGHTS AND ELECTRICAL DATA SCHEDULED IS MAXIMUM AVAILABLE OR ALLOWABLE.
- ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER, USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.
- PROVIDE ACCESS DOORS WHERE ACCESS THROUGH FLOORS, WALLS OR CEILINGS IS REQUIRED TO ACCESS PLUMBING COMPONENTS OR OTHER SYSTEMS REQUIRING ACCESS FOR MAINTENANCE, TESTING OR OBSERVATION. COORDINATE THE EXACT TYPE AND LOCATION OF ACCESS DOORS TO PROVIDE PROPER ACCESS TO THE ITEM CONCEALED.
- CHECK ALL SYSTEMS FOR LEAKS. CORRECT ANY DEFICIENCIES AS SOON AS DISCOVERED. OPERATE THE SYSTEMS AS A TEST AND DEMONSTRATE TO THE OWNER AND ARCHITECT OR ENGINEER THAT THE SYSTEM IS FUNCTIONING PROPERLY.
- BEFORE COMMENCING WORK CHECK INVERT ELEVATIONS REQUIRED FOR SEWER CONNECTIONS, CONFIRM INVERTS AND ENSURE THAT THESE CAN BE PROPERLY CONNECTED WITH SLOPE FOR DRAINAGE AND COVER TO AVOID FREEZING. VERIFY THE LOCATION OF ALL SERVICES. NO EXTRA COSTS SHALL BE ALLOWED IF SERVICES ARE NOT AS SHOWN.
- COORDINATE ALL WORK OR CHANGING UTILITY SERVICES WITH UTILITY PROVIDER AS SOON AS POSSIBLE. ALL WORK PERFORMED NOT IN ACCORDANCE WITH THE UTILITY COMPANIES REQUIREMENTS PRIOR TO COORDINATING WITH THE UTILITY COMPANY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
- MAKE ALL CONNECTIONS TO EQUIPMENT AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER AS FAR AS TRAPS, DRAINS, FLEXIBLE CONNECTIONS, ETC. AND AS REQUIRED BY THE EQUIPMENT AND LOCATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, FIXTURE MOUNTING HEIGHTS AND ADA ACCESSIBILITY REQUIREMENTS.

PLUMBING SHEET INDEX

SHEET NUMBER	SHEET NAME
PD-1	PLUMBING LEGEND AND NOTES
PS-2	PLUMBING SCHEDULES
PS-1.1	PLUMBING OVERALL SITE PLAN
P-2.0	PLUMBING DEMO & NEW DOMESTIC WATER & GAS PLANS
P-2.1	PLUMBING DEMO & NEW WASTE & VENT PLANS
P-3.0	PLUMBING DEMO & NEW ROOF PLANS
P-6.1	PLUMBING SECTIONS
P-6.1	PLUMBING ISOMETRICS
PD-1.1	PLUMBING DETAILS
PD-1.2	PLUMBING DETAILS

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
6/27/2024 4:06:21 PM

DRAWN BY: _____ CHECKED BY: _____
 DELTA # _____ DATE _____
 DELTA # _____ DATE _____
 DELTA # _____ DATE _____

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 3751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92001 (760) 438-5899

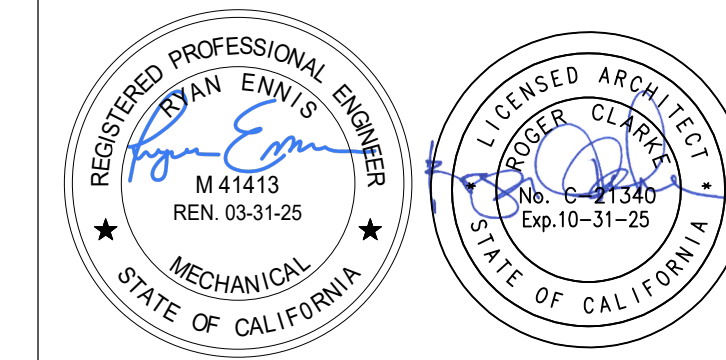
KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

PLUMBING LEGEND AND NOTES

P0.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

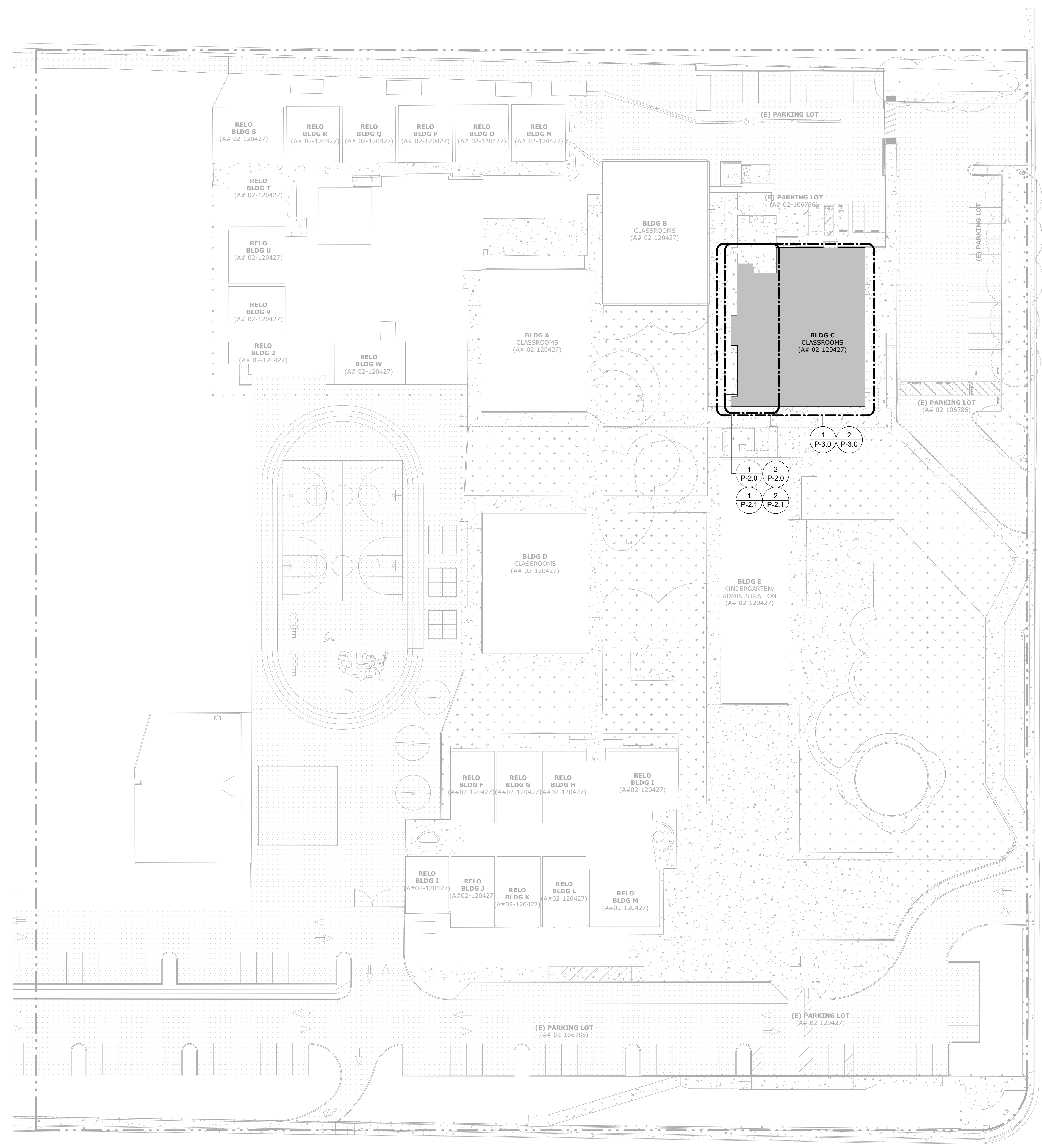


AGENCY APPROVAL
 19-NOV-2024 10:00:00 AM

LP
 CONSULTING ENGINEERS
 MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpeengineers.com
 Job #: 23-2287

RUHNAU CLARKE ARCHITECTS

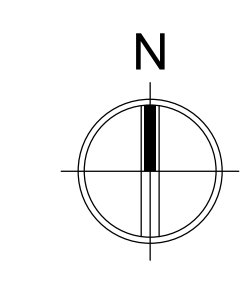
KEY NOTES



FOR REFERENCE ONLY

PLUMBING OVERALL SITE PLAN

SCALE: 1" = 30'-0"



PROJECT No. :X-XX-XX
 6/27/2024 4:06:47 PM

DATE	BY	REVISION

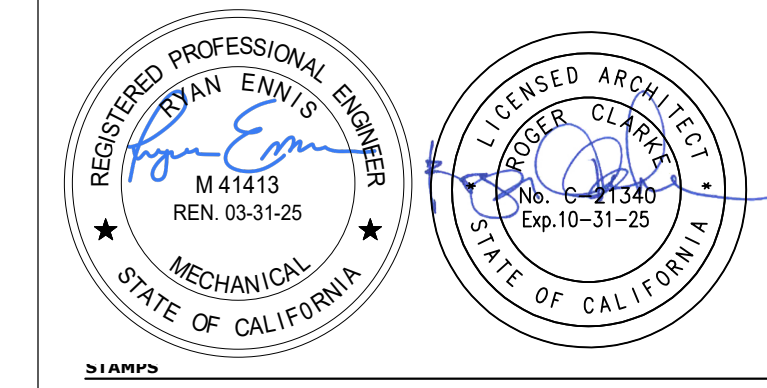
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

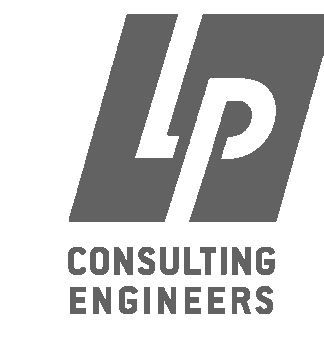
PLUMBING OVERALL SITE PLAN

PS-1.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



AGENCY APPROVAL
19-NO: 000000000-000000



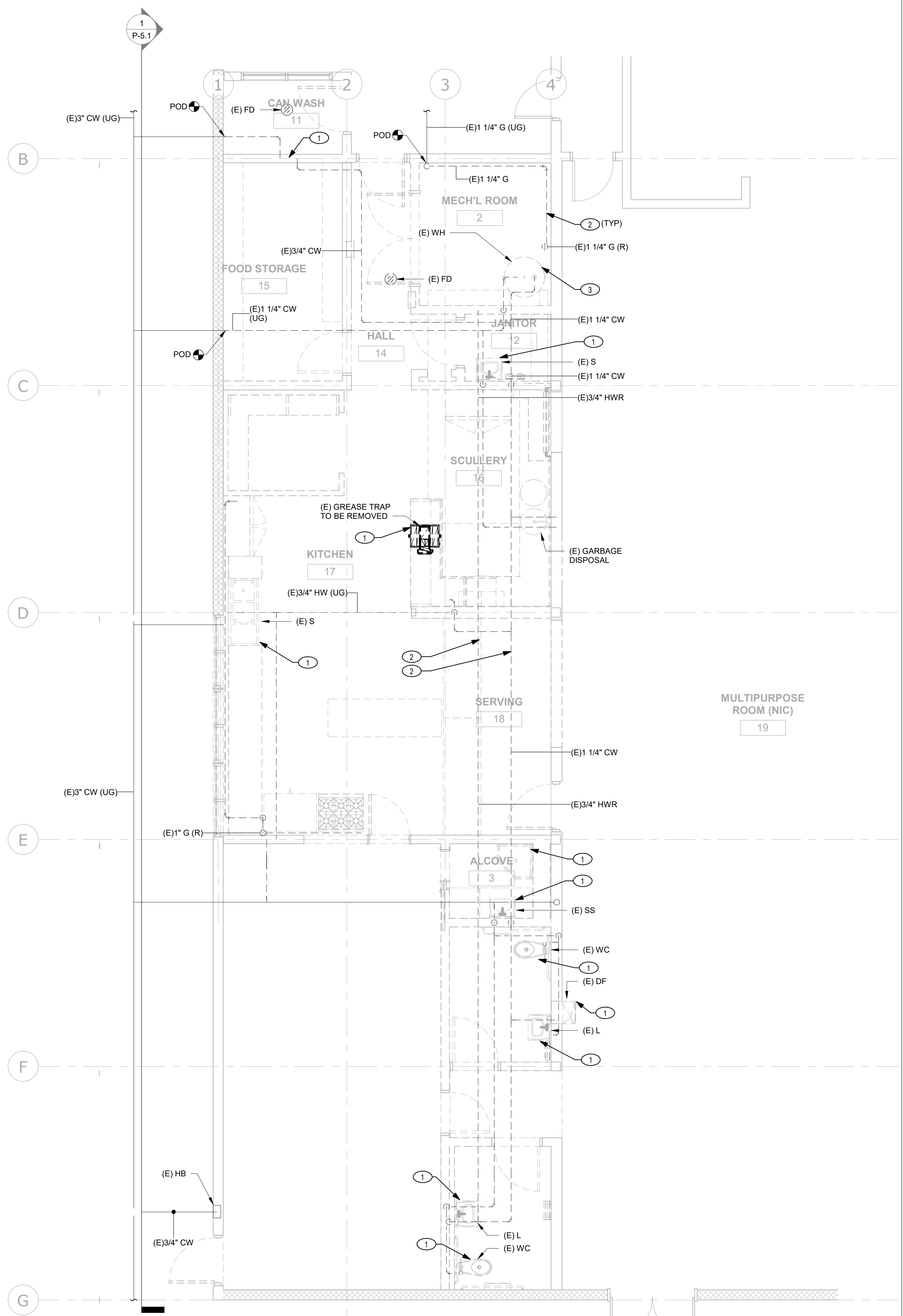
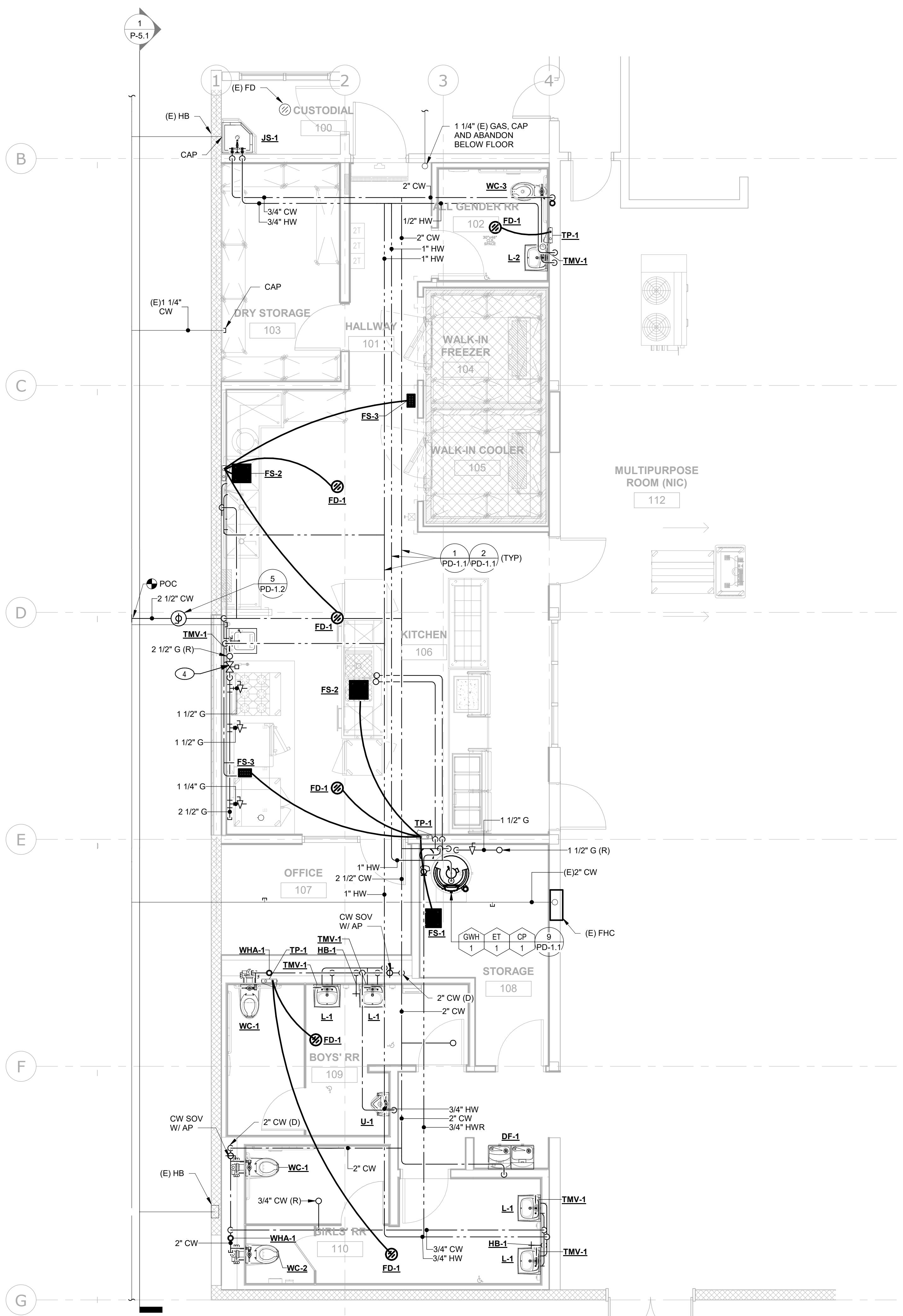
MEP & FS / Sustainability / C&A
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p. 916-771-0778
www.lpeengineers.com
Job #: 23-2287

**RUHNAU
CLARKE**
ARCHITECTS

CONSULTANT BRANDING

KEY NOTES

- 1 REMOVED EXISTING FIXTURE, PIPING AND RELATED APPURTENANCES SHOWN HATCHED.
- 2 REMOVE EXISTING PIPING SHOWN HATCHED. (TYP)
- 3 REMOVE EXISTING WATER HEATER, FLUE, AND HOT WATER PIPING IN ITS ENTIRETY.
- 4 GAS SOLENOID SHUT-OFF VALVE CONNECTED TO HOOD FIRE SUPPRESSION. COORDINATE WITH KITCHEN EQUIPMENT PLANS.



2 PLUMBING ENLARGED NEW DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"

1 PLUMBING ENLARGED DEMO DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

DATE	BY	REVISION
6/27/2024	4:06:27 PM	

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

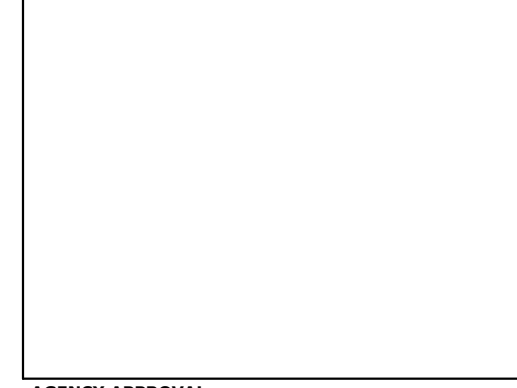
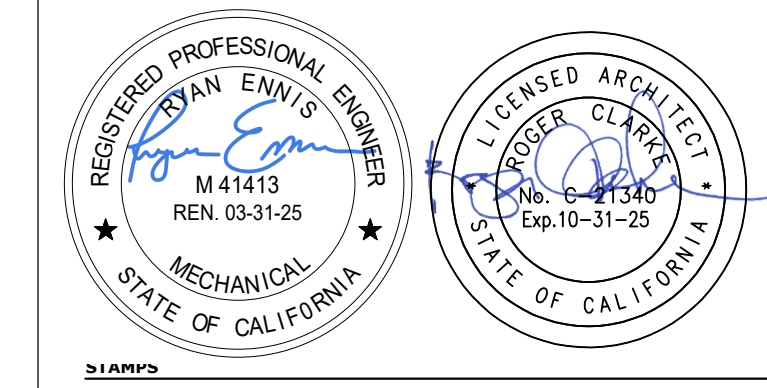
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

**PLUMBING DEMO &
NEW DOMESTIC
WATER & GAS PLANS**

P-2.0

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

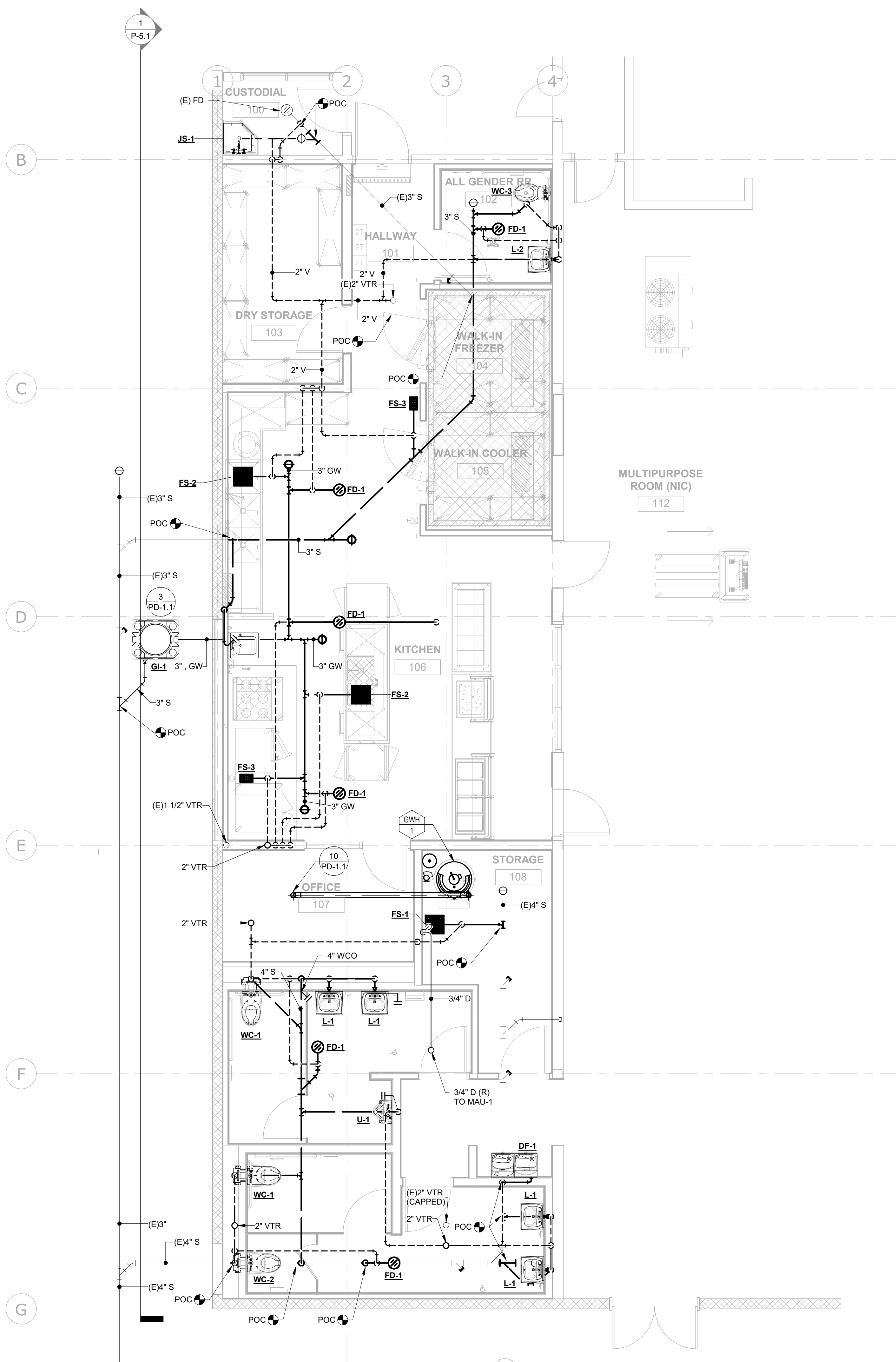
X-XX-XX



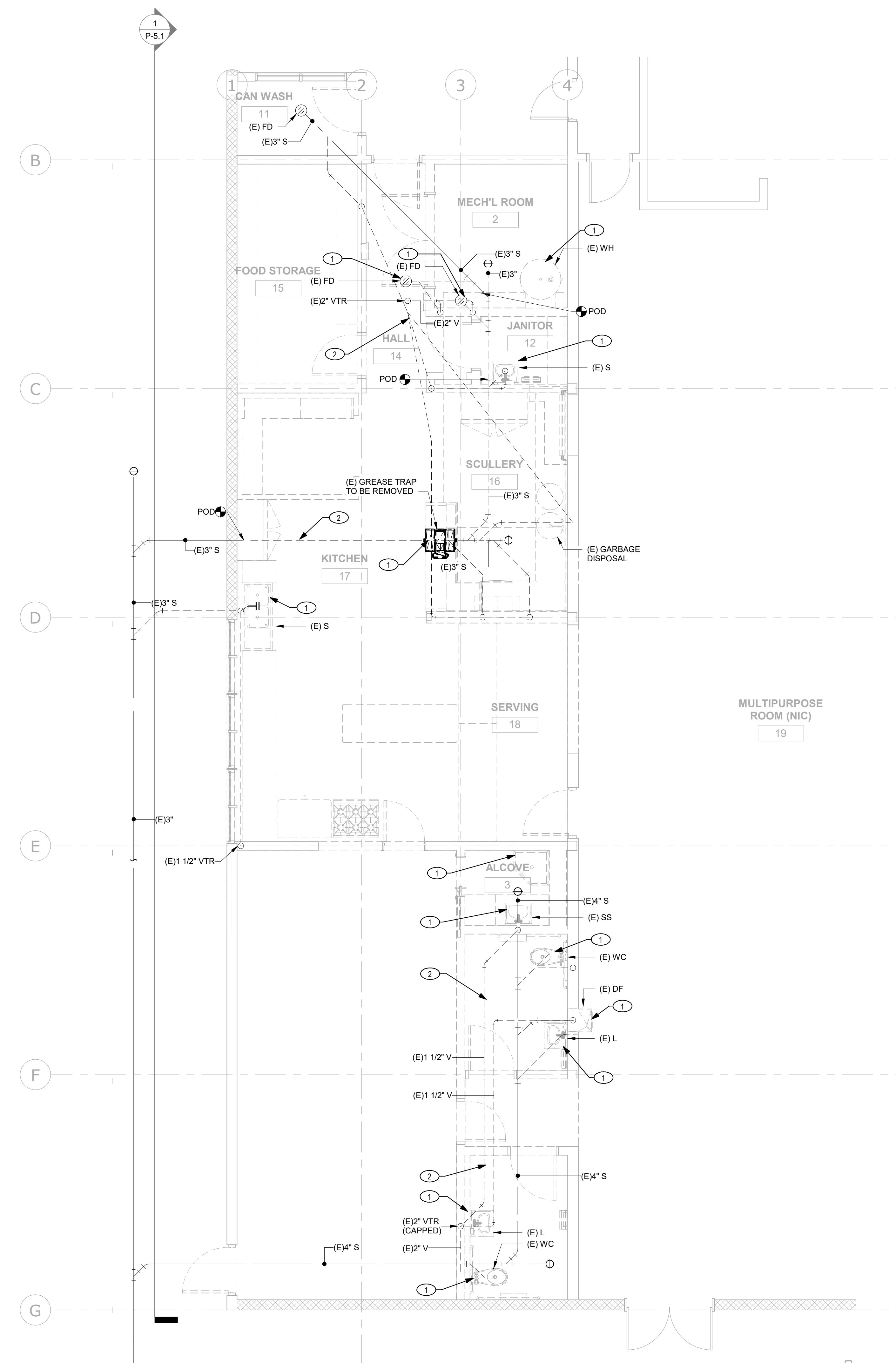
LP
CONSULTING ENGINEERS
 MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p. 916-774-0778
 www.lpeengineers.com
 Job #: 23-2287

RUHNAU CLARKE ARCHITECTS

- KEY NOTES**
- 1 REMOVED EXISTING FIXTURE, PIPING AND RELATED APPURTENANCES SHOWN HATCHED.
 - 2 REMOVE EXISTING PIPING SHOWN HATCHED. (TYP)



2 PLUMBING ENLARGED NEW WASTE & VENT PLAN
 SCALE: 1/4" = 1'-0"



1 PLUMBING ENLARGED DEMO WASTE & VENT PLAN
 SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:06:31 PM

DATE	BY	REVISION

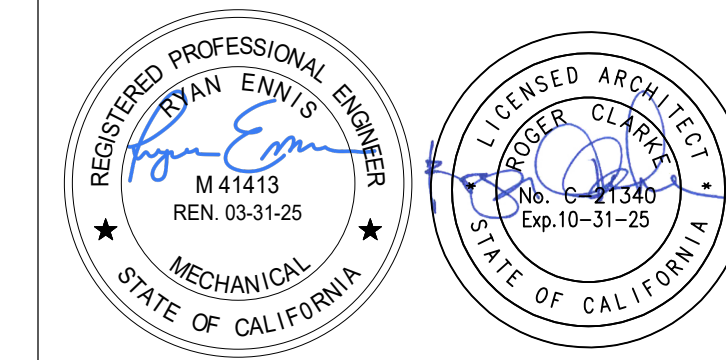
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

PLUMBING DEMO & NEW WASTE & VENT PLANS

P-2.1

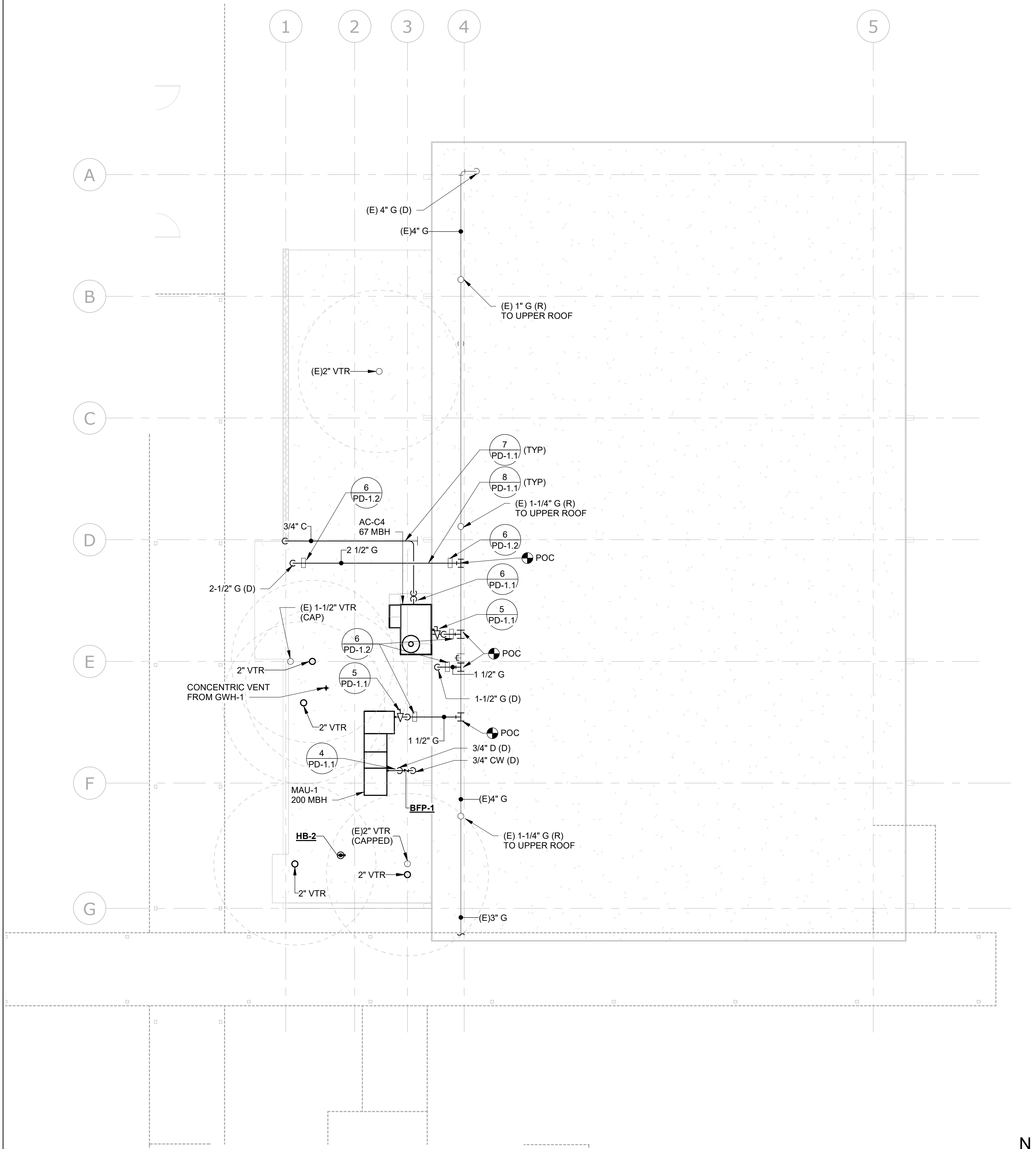
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



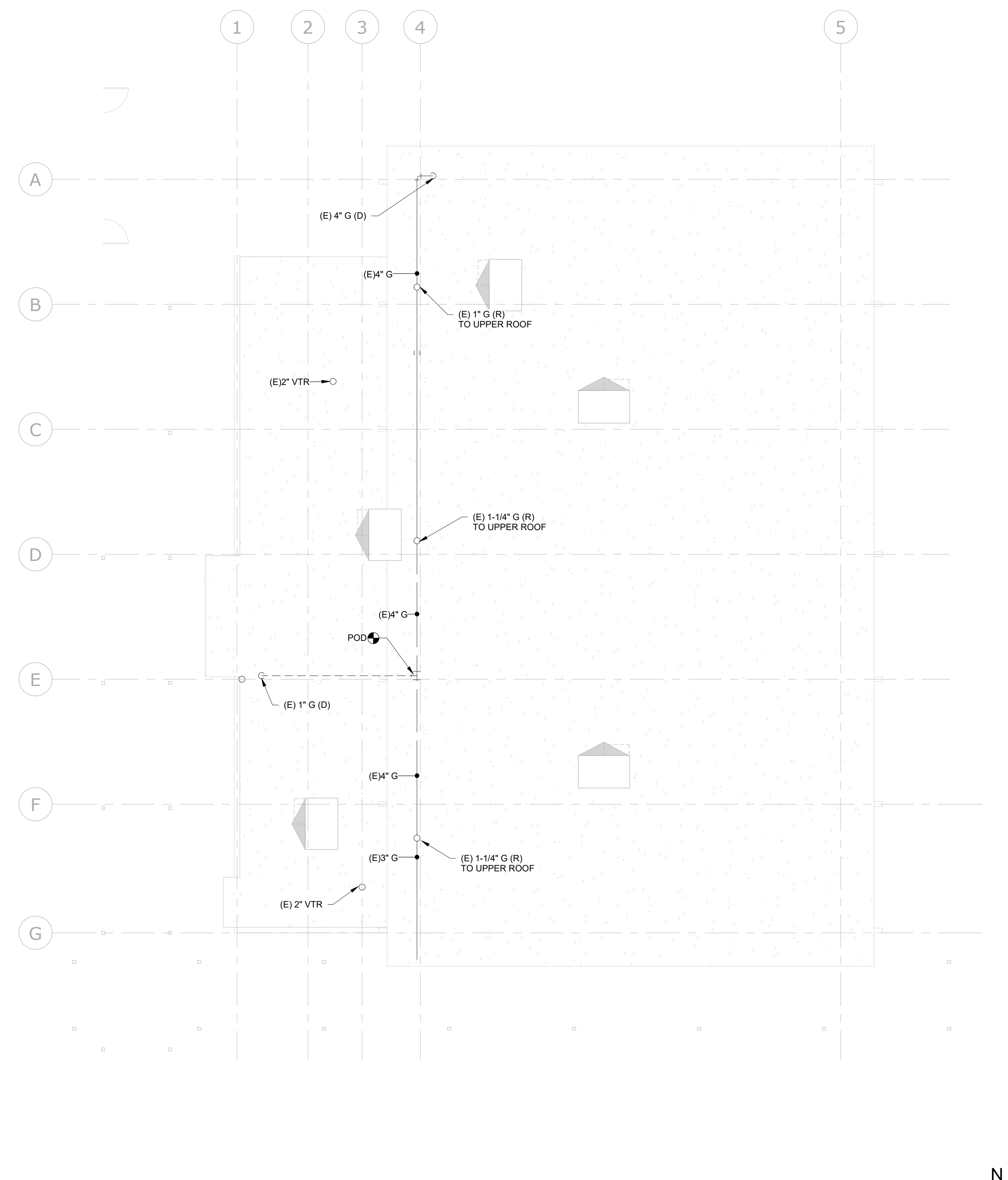
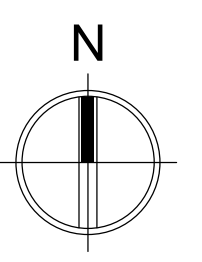
AGENCY APPROVAL
19-NO: 19-0000000-0000000

LP
CONSULTING ENGINEERS
MEP & FS / Sustainability / C&A
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p. 916-774-0778
www.lpeengineers.com
Job #: 23-2287

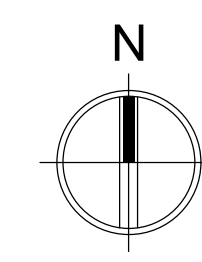
RUHNAU CLARKE ARCHITECTS



2 PLUMBING NEW ROOF PLAN
SCALE: 1/8" = 1'-0"



1 PLUMBING DEMO ROOF PLAN
SCALE: 1/8" = 1'-0"



FOR REFERENCE ONLY

PROJECT No. :X-XX-XX	6/27/2024 4:06:32 PM
DESIGNED BY	CHECKED BY
DATE	DATE
ADD	ADD
DEL	DEL
REV	REV

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

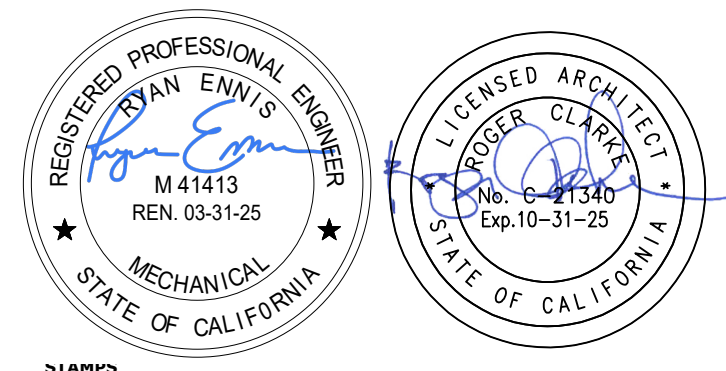
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

PLUMBING DEMO & NEW ROOF PLANS

P-3.0

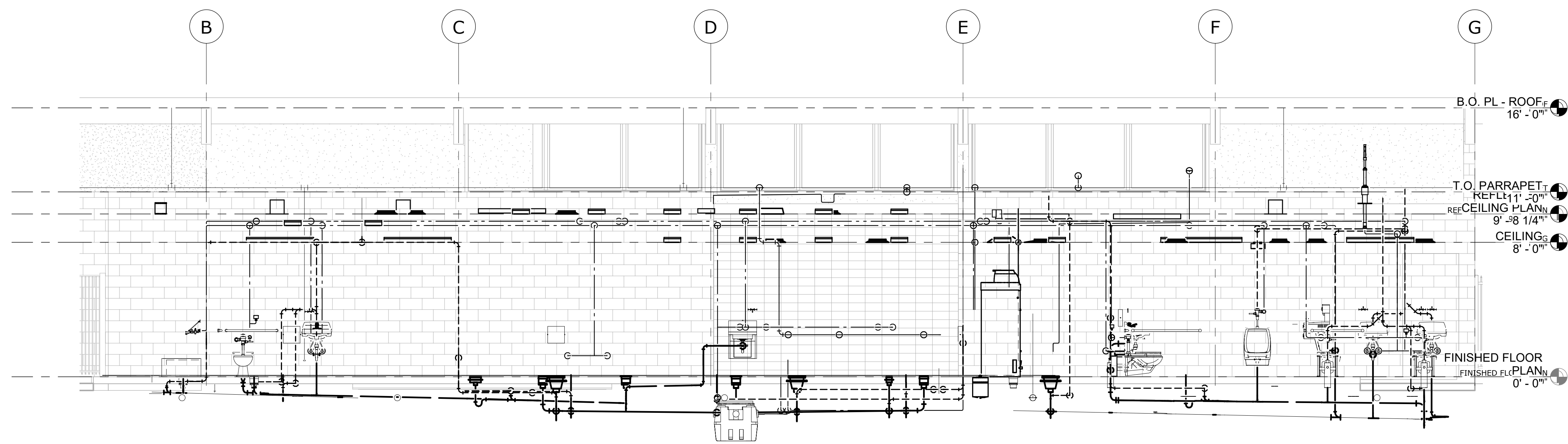
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

X-XX-XX



LP
CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p. 916-774-0778
www.lpenginers.com
Job #: 23-2287

RUHNAU CLARKE
ARCHITECTS



PLUMBING SECTION NTS 1

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
6/27/2024 4:06:38 PM

DESIGNED BY	DATE	CHECKED BY	DATE
ADD	APP	CCD	REV
ADD	APP	CCD	REV
ADD	APP	CCD	REV

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

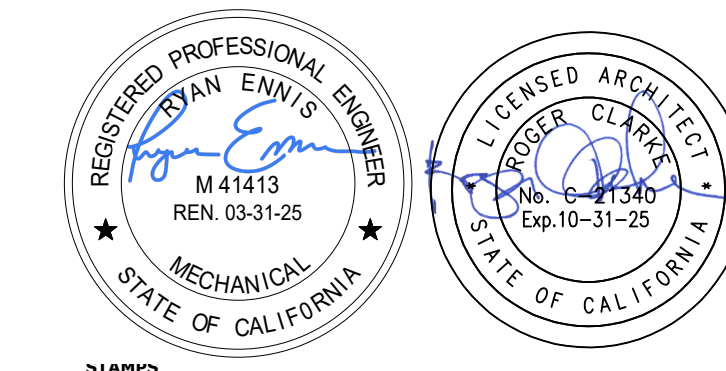
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

PLUMBING SECTIONS

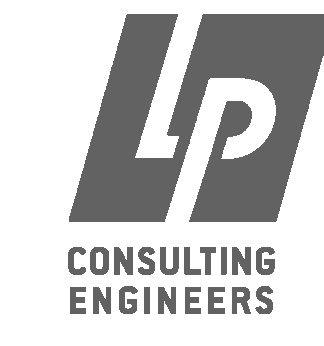
P-5.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

X-XX-XX

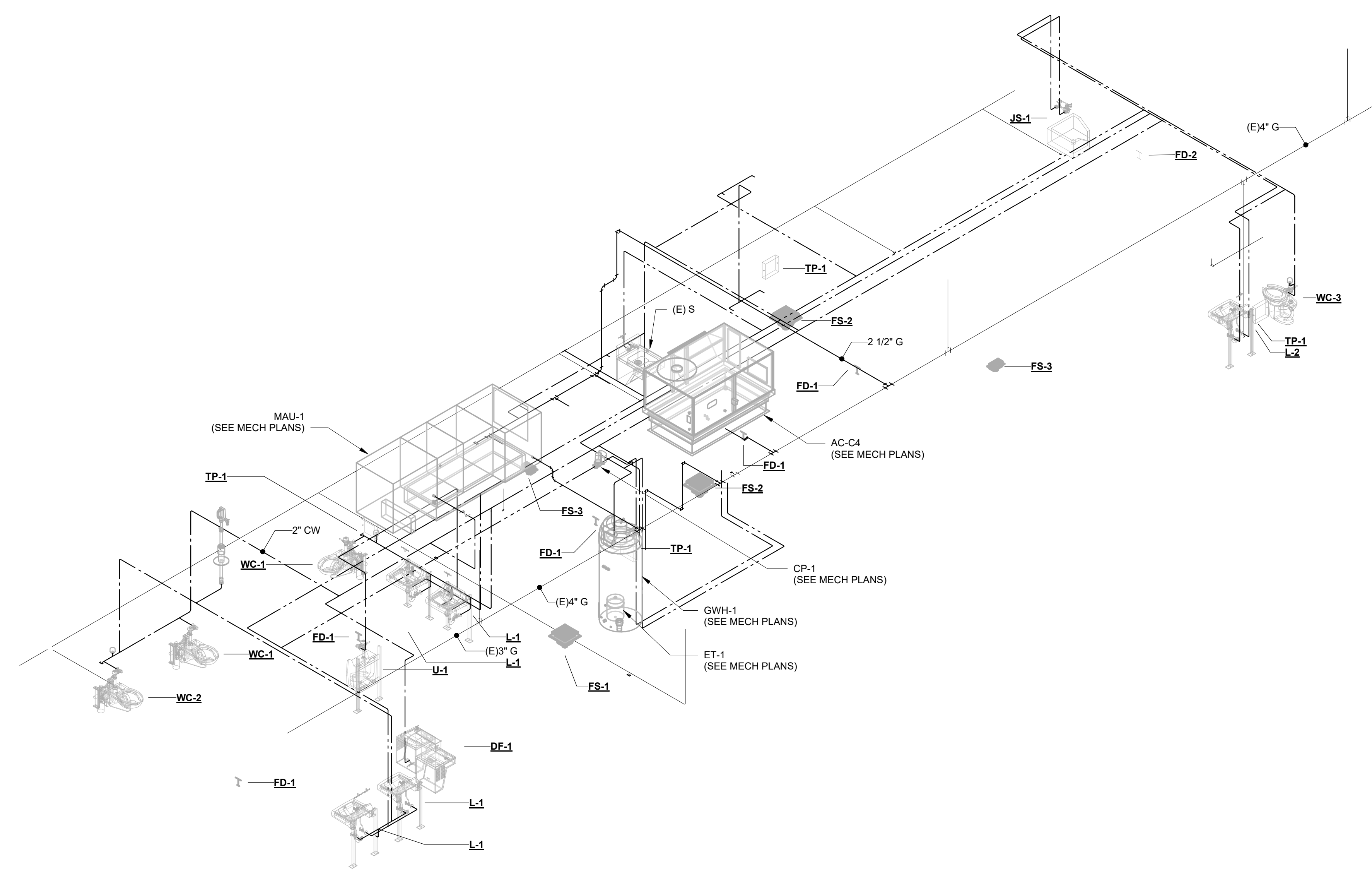


AGENCY APPROVAL
 (Stamp area)

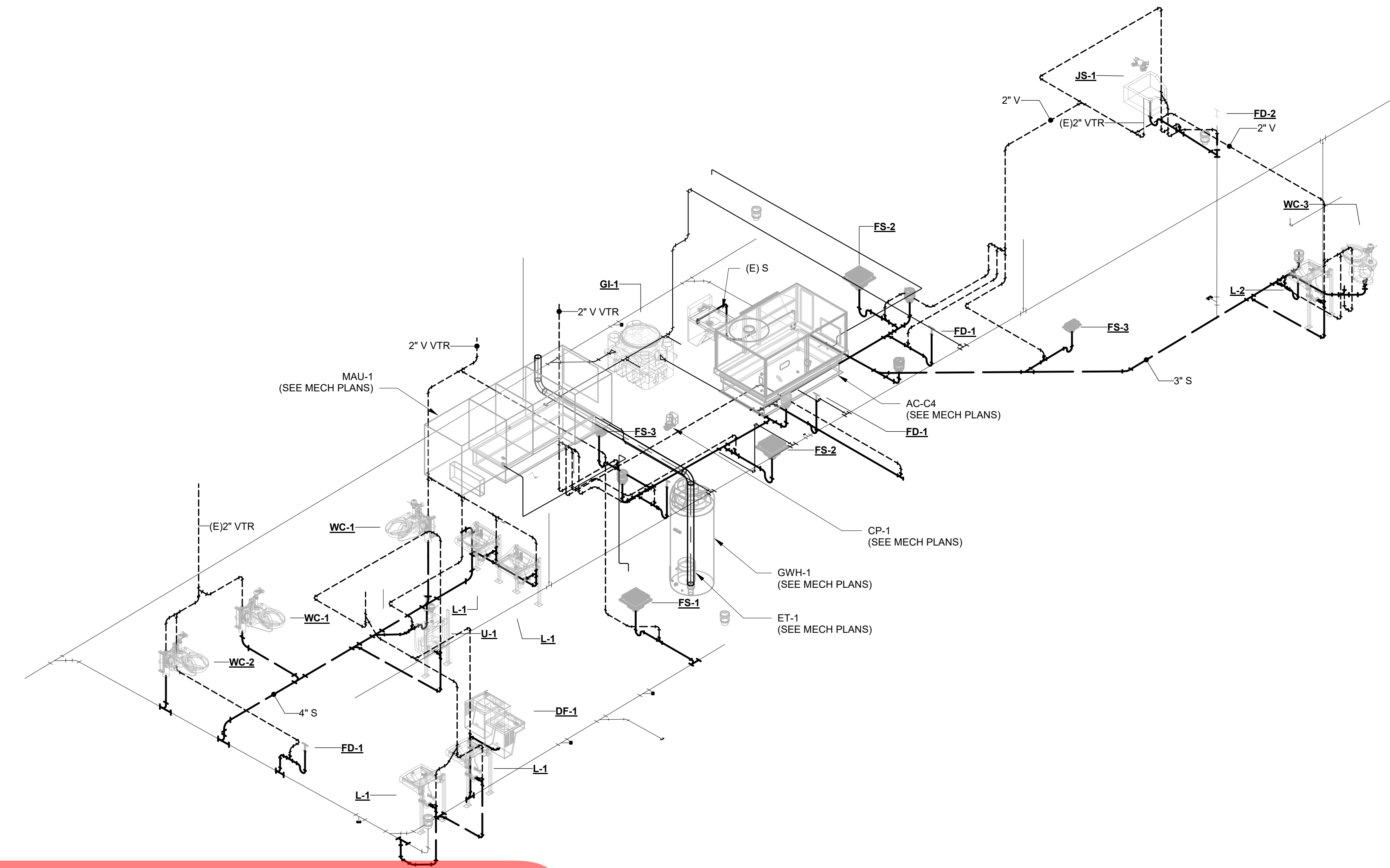


MEP & FS / Sustainability / CxA
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpeengineers.com
 Job #: 23-2287

**RUHNAU
 CLARKE**
 ARCHITECTS



PLUMBING ISOMETRIC - DOMESTIC WATER & GAS NTS 1



PLUMBING ISOMETRIC - WASTE & VENT NTS 2

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:05:40 PM

DATE	BY	REVISION

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

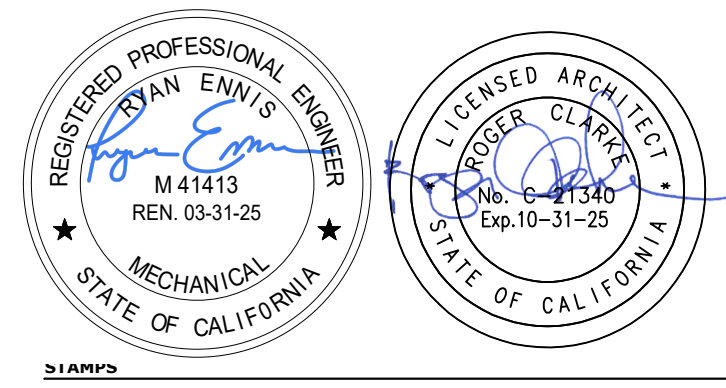
MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

PLUMBING ISOMETRICS

P-6.1

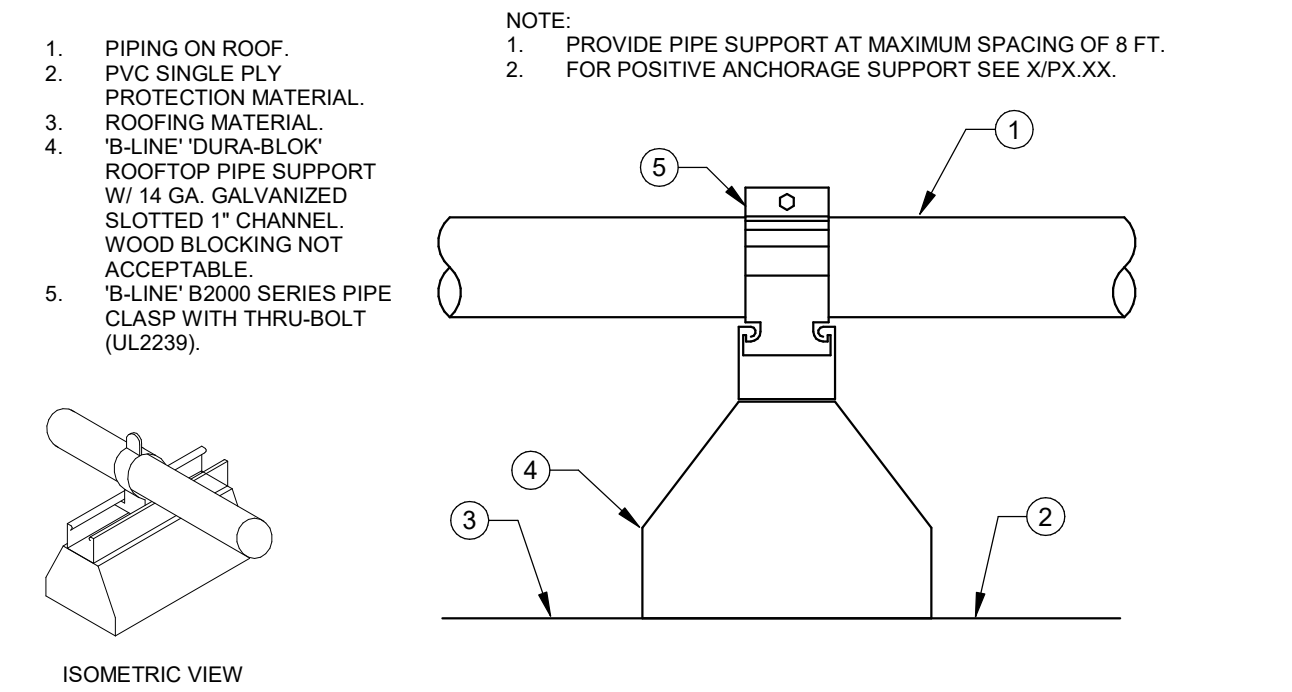
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

X-XX-XX

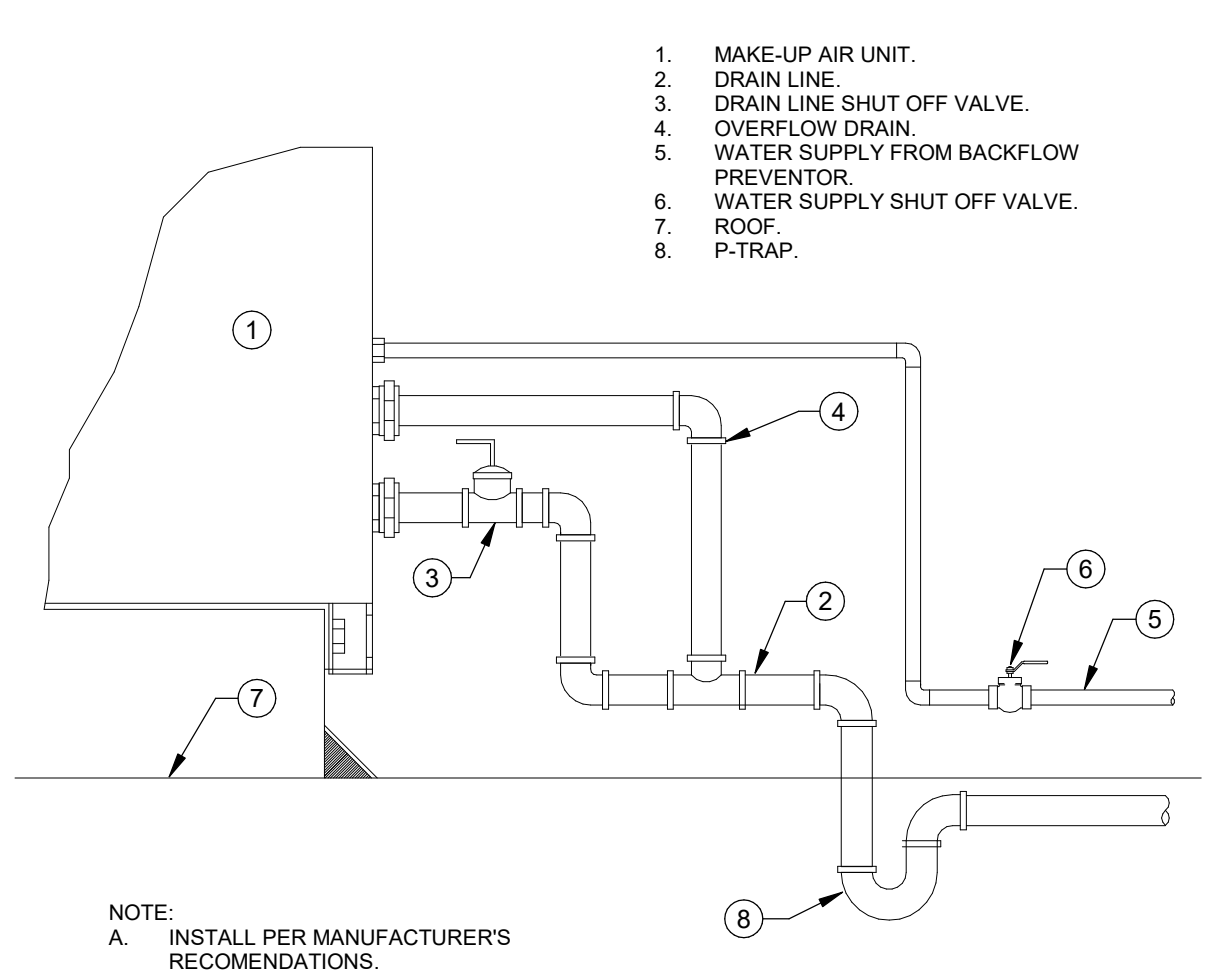


MEP & FS / Sustainability / CA
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-771-0778
 www.lpeengineers.com
 Job #: 23-2287
 CONSULTING ENGINEERS
 CONSULTING BRANDING

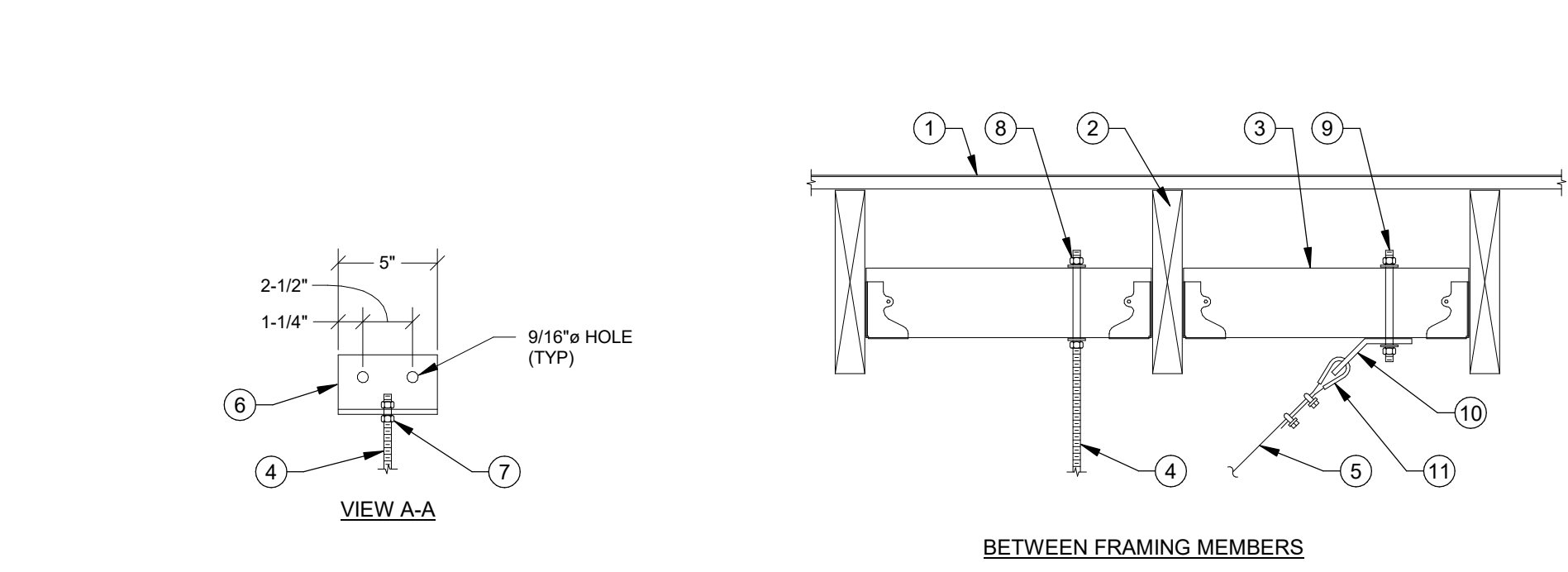
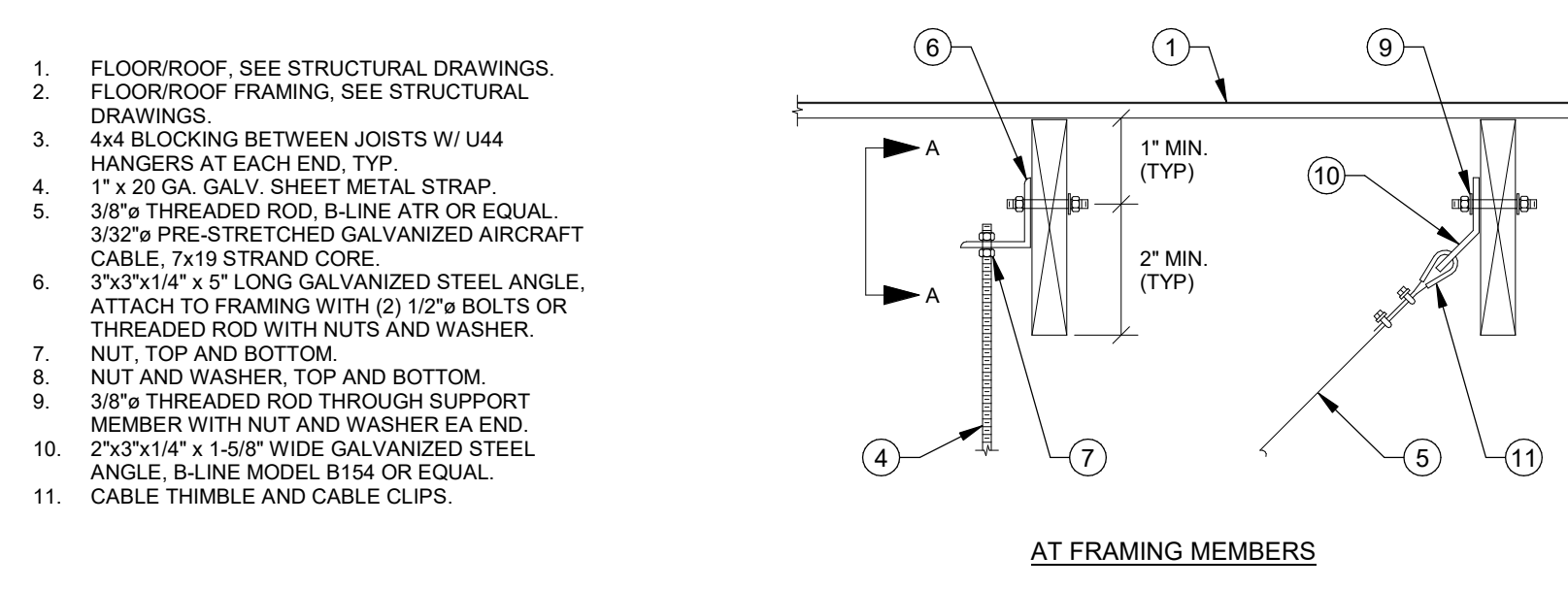
**RUHNAU
 CLARKE**
 ARCHITECTS



INTERMEDIATE GAS PIPE SUPPORT ON ROOF NTS 8

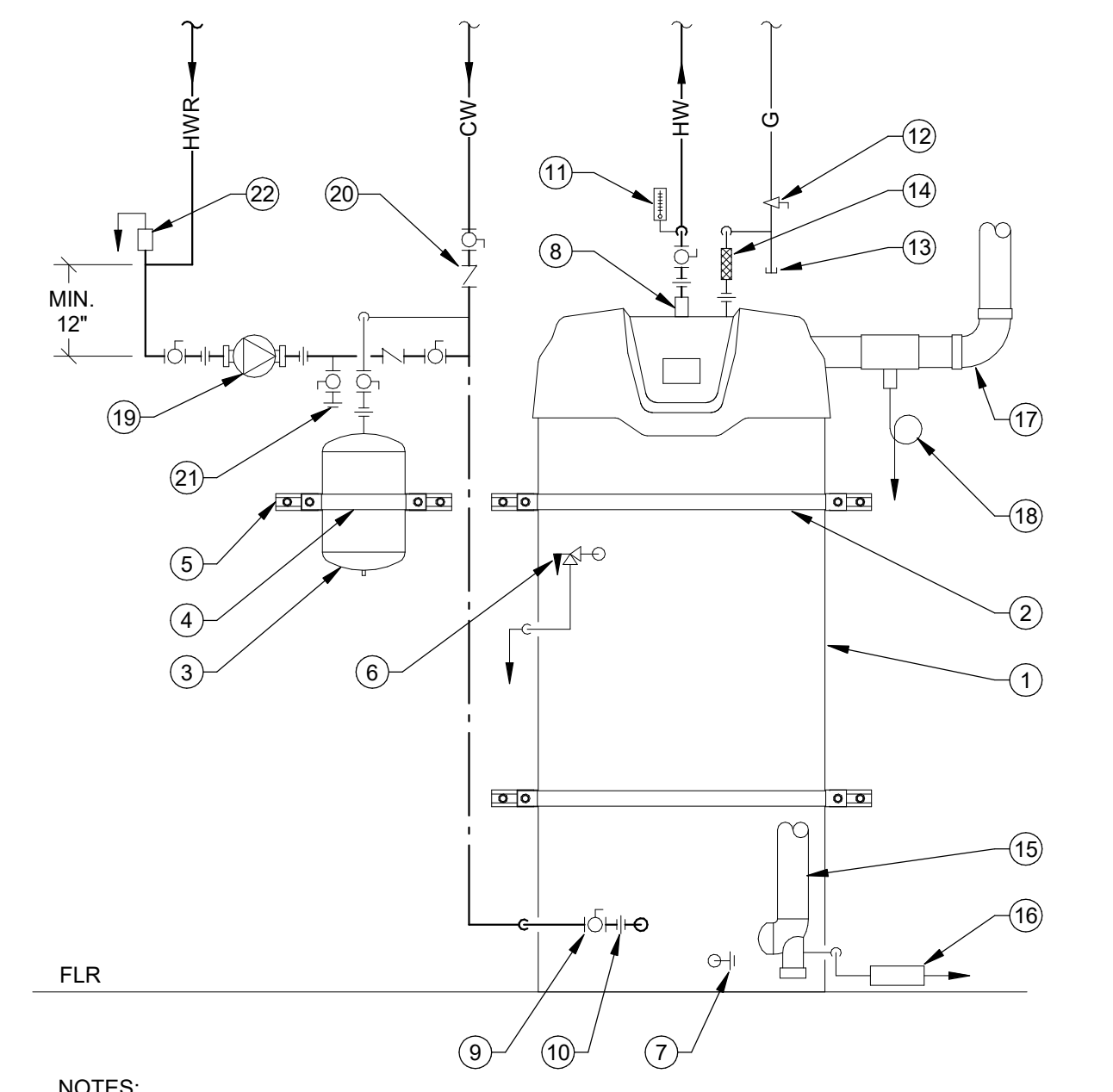


MAKE-UP AIR UNIT WATER & DRAIN CONNECTION NTS 4

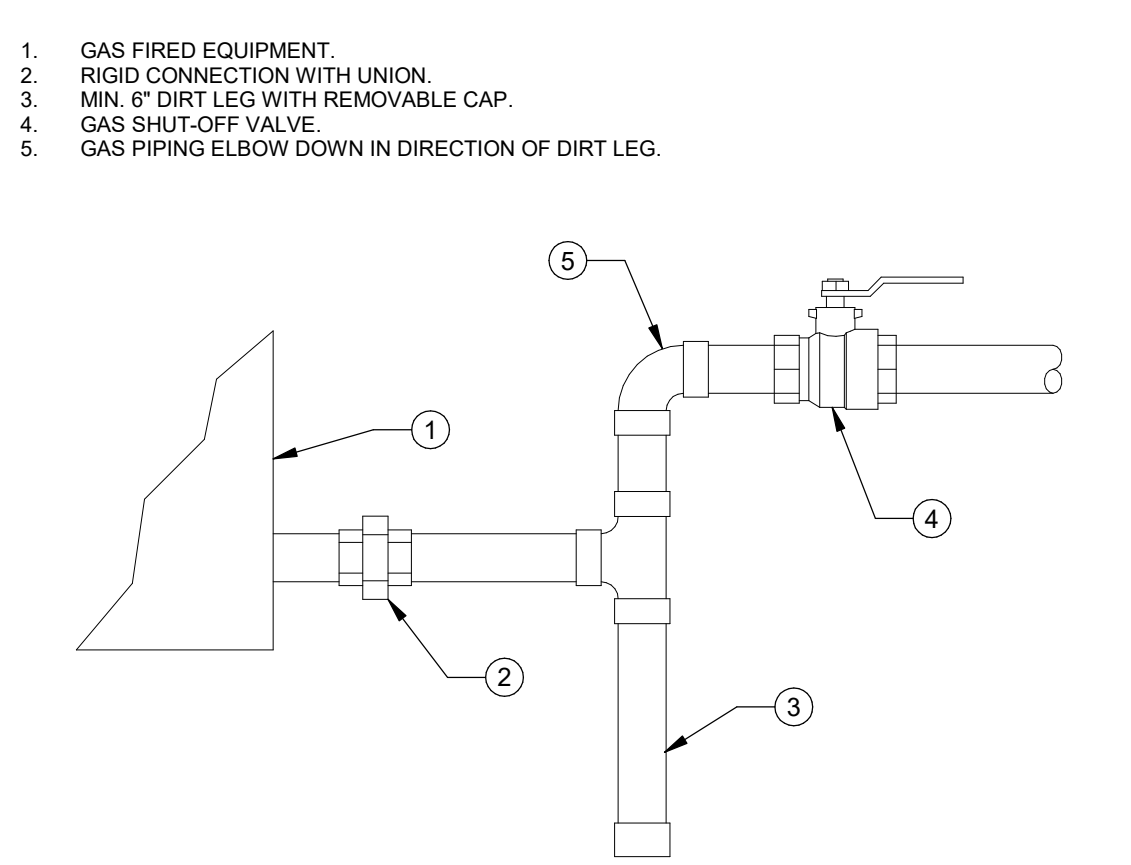


HANGER UPPER ATTACHMENTS NTS 1

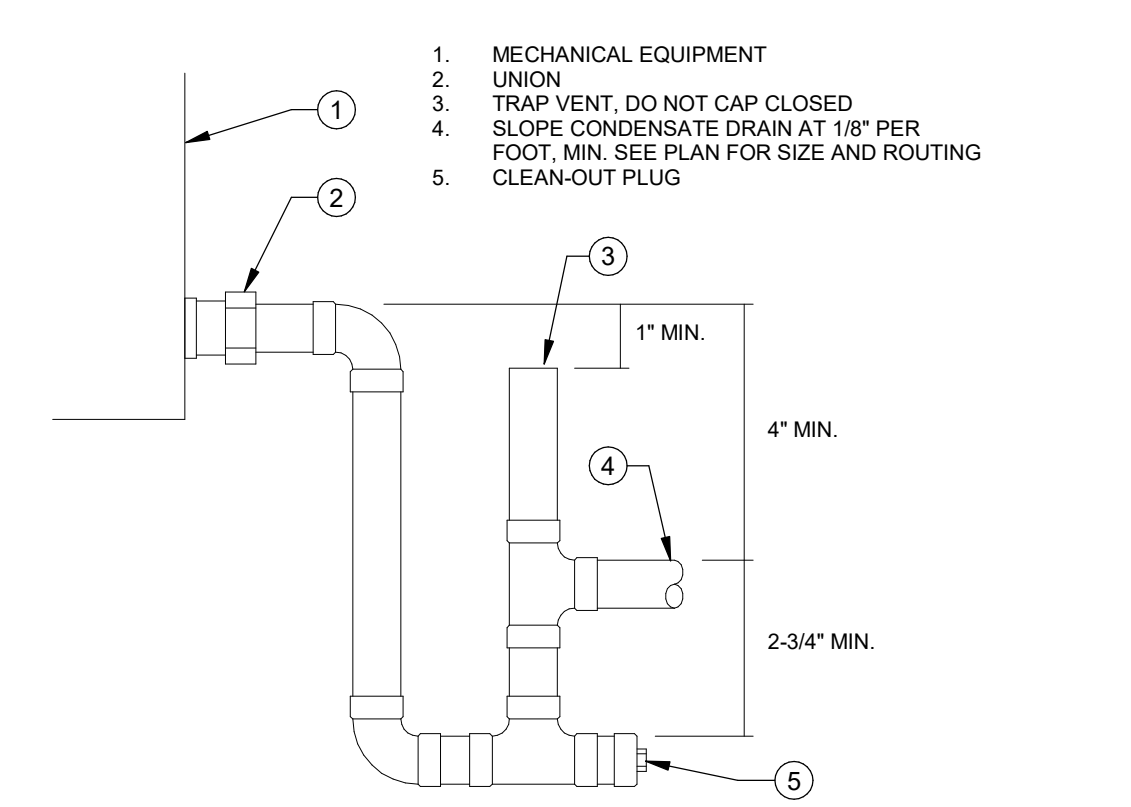
1. WATER HEATER, SEE PLUMBING SCHEDULE
2. (2) 1-1/2" WIDE, 24 GA. GALVANIZED SHEET METAL SEISMIC STRAPS AROUND WATER HEATER, (1) EACH AT UPPER AND LOWER THIRD OF WATER HEATER, SECURE TO UNISTRUT CHANNEL WITH 3/8" Ø BOLT, UNISTRUT SQUARE WASHER AND CHANNEL NUT EACH SIDE
3. EXPANSION TANK, SEE PLUMBING SCHEDULE
4. 1-1/2" WIDE, 24 GA. GALVANIZED SHEET METAL SEISMIC STRAP AROUND EXPANSION TANK, SECURE TO UNISTRUT CHANNEL WITH 3/8" Ø BOLT, UNISTRUT SQUARE WASHER AND CHANNEL NUT EACH SIDE
5. 1-5/8"x1-5/8"x1/2 GA. UNISTRUT CHANNEL, B-LINE B22 OR EQUAL, TYP. SECURE TO WALL STUDS WITH (2) 1/4" LAG SCREWS WITH MIN. 3" EMBED, (1) EACH END
6. ASME TEMPERATURE & PRESSURE RELIEF VALVE, ROUTE FULL SIZE DRAIN TO APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP
7. WATER HEATER DRAIN VALVE
8. DIELECTRIC HEAT TRAP NIPPLE AT WATER HEATER HW & CW CONNECTIONS
9. ISOLATION VALVE, TYP
10. DIELECTRIC UNION, TYP
11. LEAD-FREE THERMOWELL THERMOMETER, TRERICE BX SERIES, OR EQUAL
12. GAS COCK
13. MIN. 3" LONG SEDIMENT TRAP (DIRT LEG) WITH CAP
14. CSA LISTED FLEXIBLE GAS APPLIANCE CONNECTOR, METRAFLEX OR EQUAL
15. FLUE VENT TO APPROVED TERMINATION LOCATION AT BUILDING EXTERIOR, INSTALL PER MFGR'S RECOMMENDATIONS
16. FLUE CONDENSATE CONNECTION, PROVIDE CONDENSATE PIPING WITH ACID NEUTRALIZER AND TERMINATE AT APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP
17. COMBUSTION AIR INTAKE VENT TO APPROVED TERMINATION LOCATION AT BUILDING EXTERIOR, INSTALL PER MFGR'S RECOMMENDATIONS
18. COMBUSTION AIR CONDENSATE CONNECTION TEE WHERE REQUIRED BY MFGR, PROVIDE CONDENSATE PIPING WITH LOOPED TRAP AND TERMINATE AT APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP
19. RECIRCULATION PUMP, SEE PLUMBING SCHEDULE
20. CHECK VALVE, TYP
21. HOSE BIBB WITH ISOLATION VALVE USED FOR BLEEDING AIR OUT OF PUMP FOR SYSTEM PRIMING PER CALIFORNIA ENERGY CODE
22. LEAD-FREE AUTOMATIC AIR VENT, B&G MODEL 87 OR EQUAL, INSTALL AT TOP OF MIN. 12" HIGH VERTICAL RISER AND NO MORE THAN 4FT FROM RECIRCULATION PUMP PER CEC, ROUTE FULL SIZE DRAIN TO APPROVED INDIRECT RECEPTOR WITH MIN. 1" AIRGAP (AUTOMATIC AIR VENT MAY BE OMITTED WHERE RECIRCULATION PUMP IS INSTALLED IN VERTICAL ORIENTATION)



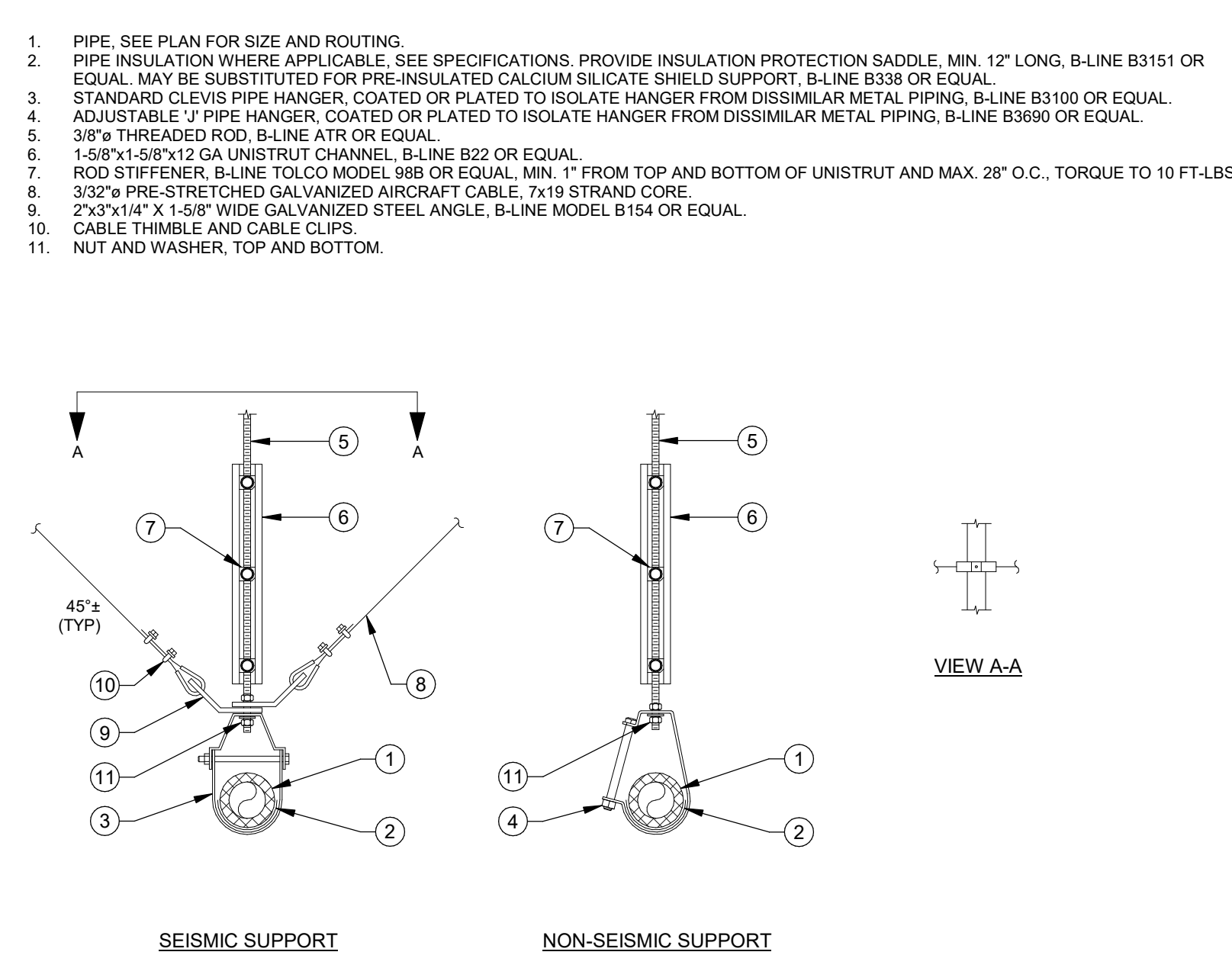
GAS WATER HEATER DETAIL NTS 9



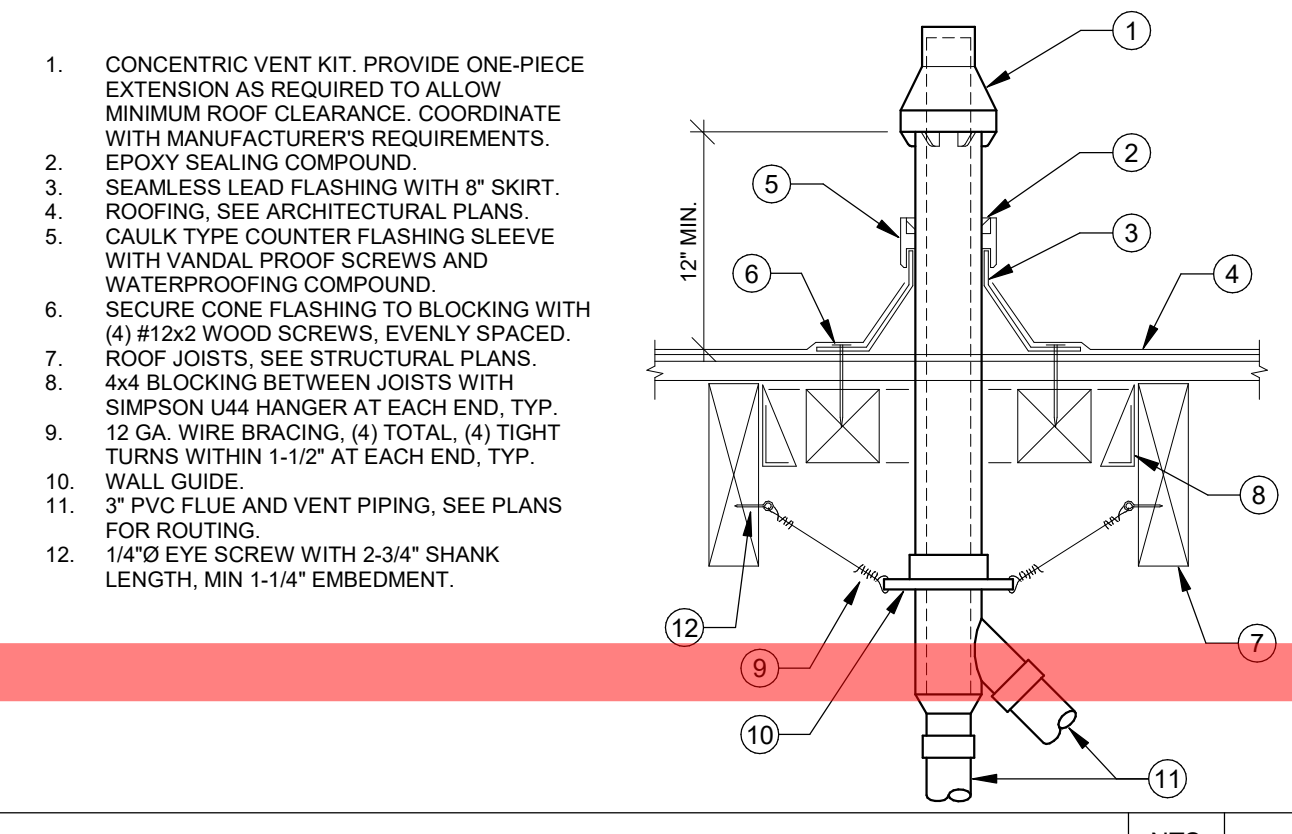
GAS APPLIANCE CONNECTION DETAIL NTS 5



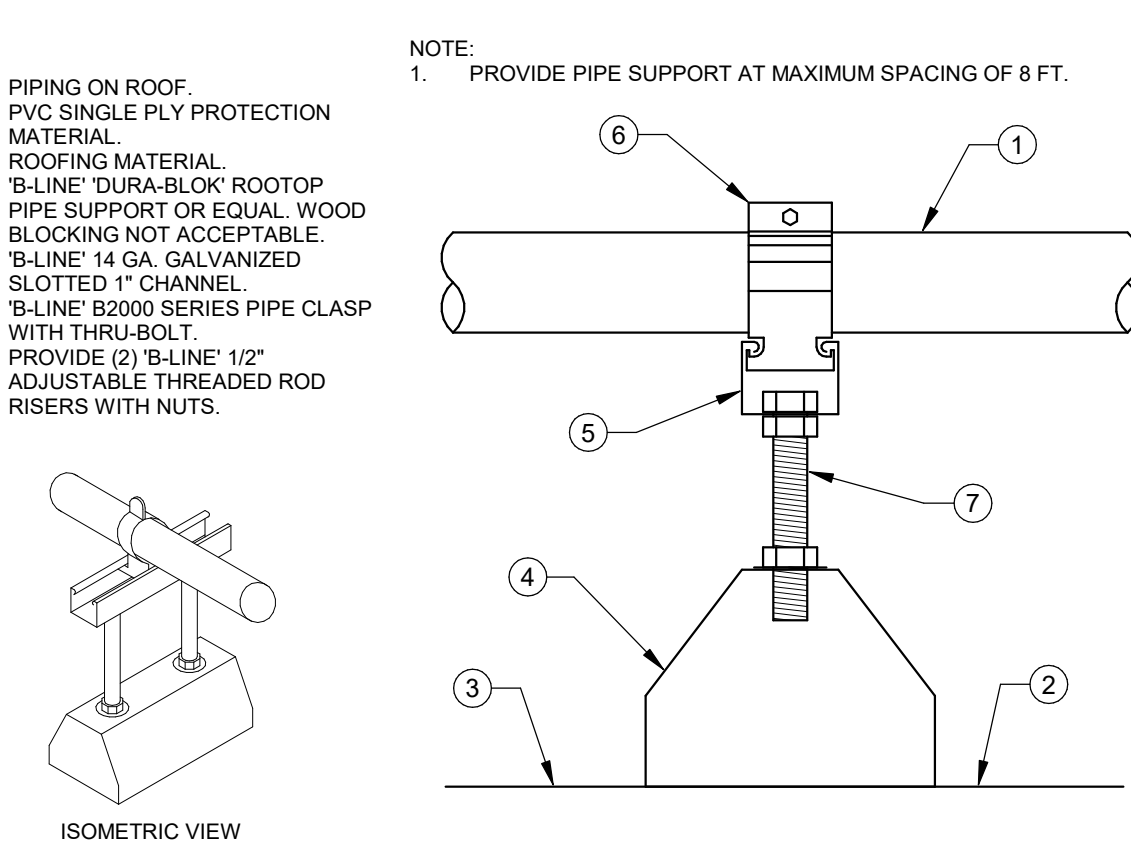
CONDENSATE DRAIN CONNECTION NTS 6



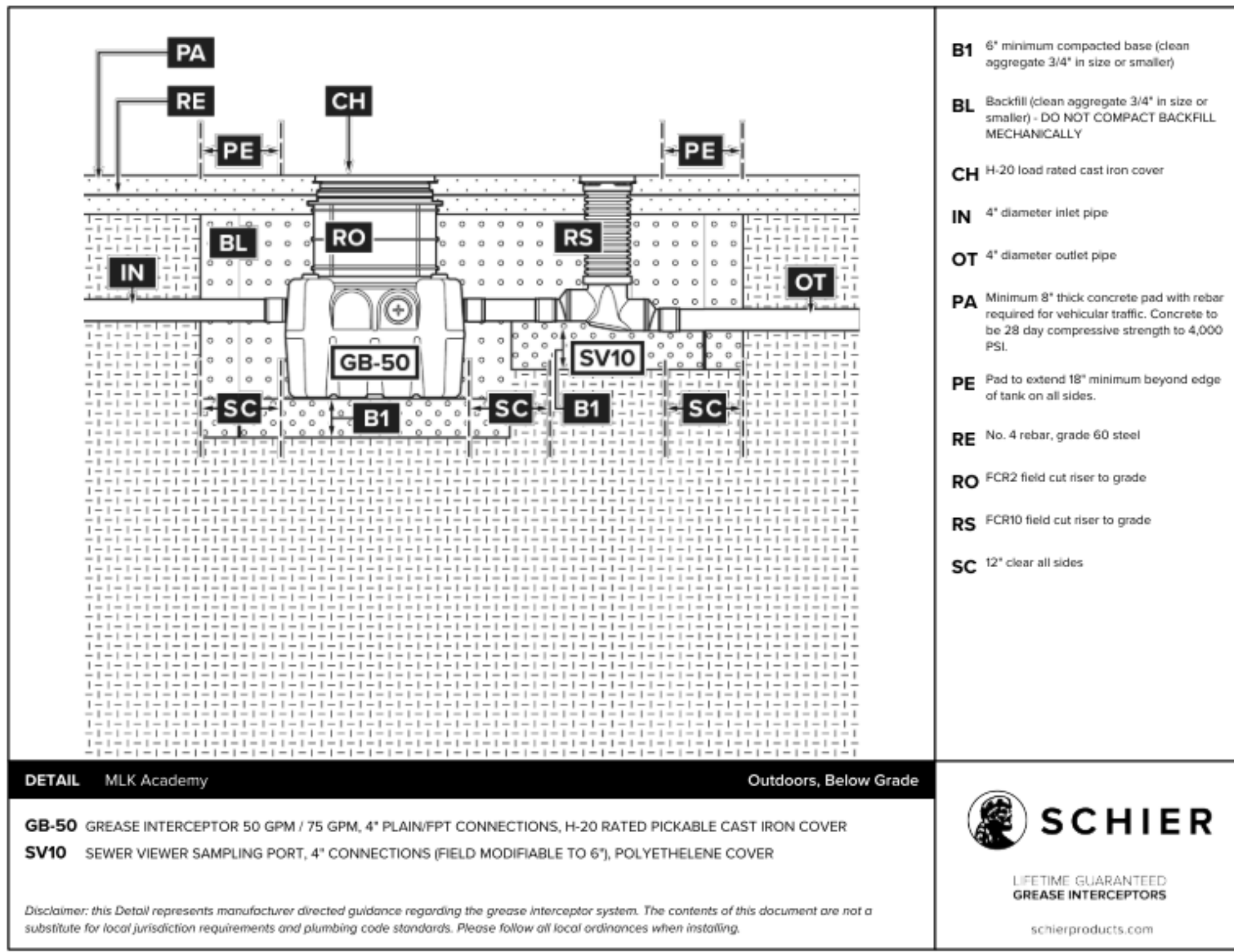
PIPE HANGER DETAIL NTS 2



CONCENTRIC VENT THROUGH ROOF NTS 10



CONDENSATE PIPE SUPPORT ON ROOF NTS 7



GREASE INTERCEPTOR NTS 3

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:06:42 PM

DATE	BY	REVISION

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

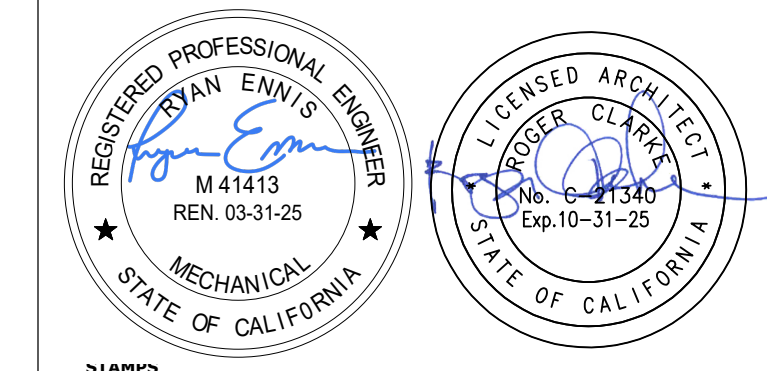
MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

PLUMBING DETAILS

PD-1.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

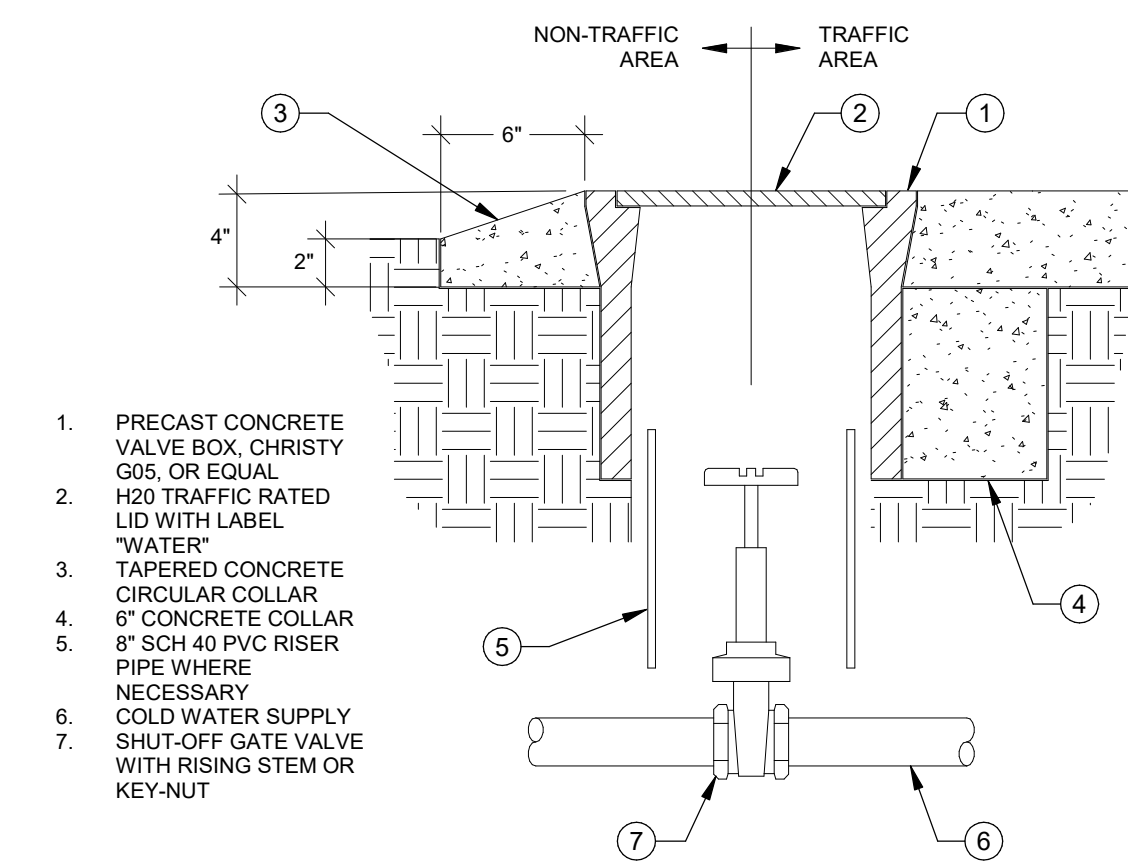
X-XX-XX



AGENCY APPROVAL
 19-NO: 000000000-000000

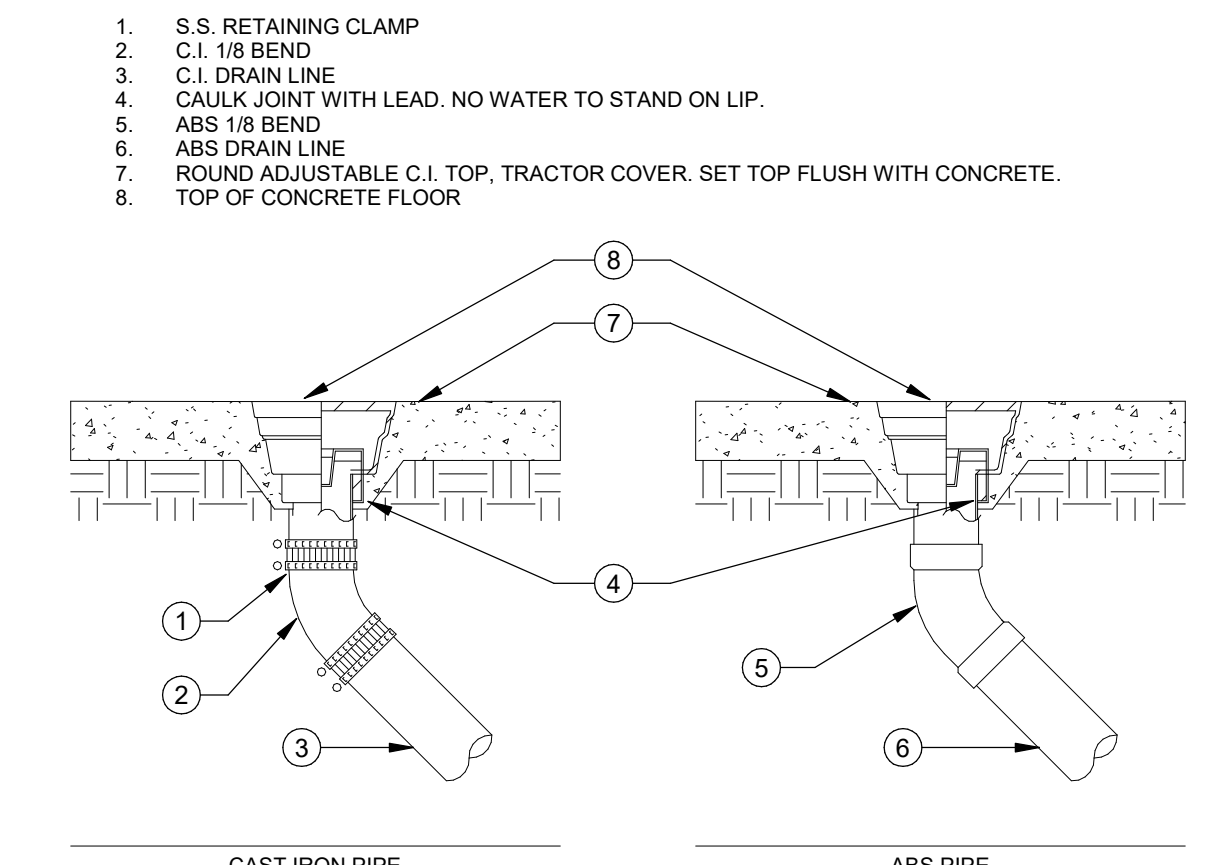
LP CONSULTING ENGINEERS
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpeengineers.com
 Job #: 23-2287

RUHNAU CLARKE ARCHITECTS



1. PRECAST CONCRETE VALVE BOX, CHRISTY 005, OR EQUAL.
2. H20 TRAFFIC RATED LID WITH LABEL "WATER".
3. TAPERED CONCRETE CIRCULAR COLLAR.
4. 8" CONCRETE COLLAR.
5. 8" SCH 40 PVC RISER PIPE, WHERE NECESSARY.
6. COLD WATER SUPPLY SHUT-OFF GATE VALVE WITH RISING STEM OR KEY-NUT.

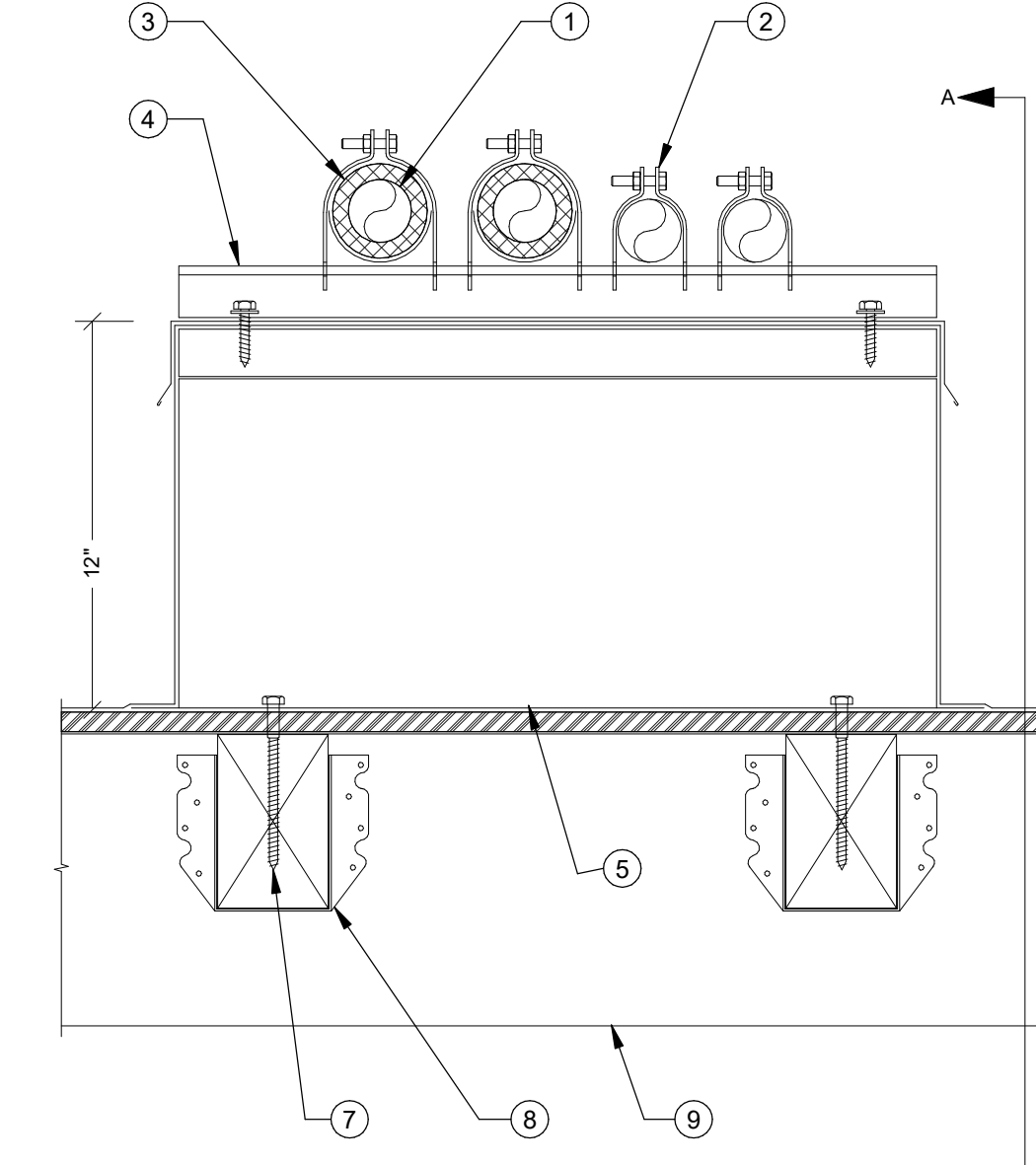
CW SHUT-OFF VALVE NTS 5



1. S.S. RETAINING CLAMP.
2. C.I. 1/8 BEND.
3. C.I. DRAIN LINE.
4. CALK JOINT WITH LEAD. NO WATER TO STAND ON LIP.
5. ABS 1/8 BEND.
6. ABS DRAIN LINE.
7. ROUND ADJUSTABLE C.I. TOP, TRACTOR COVER. SET TOP FLUSH WITH CONCRETE.
8. TOP OF CONCRETE FLOOR.

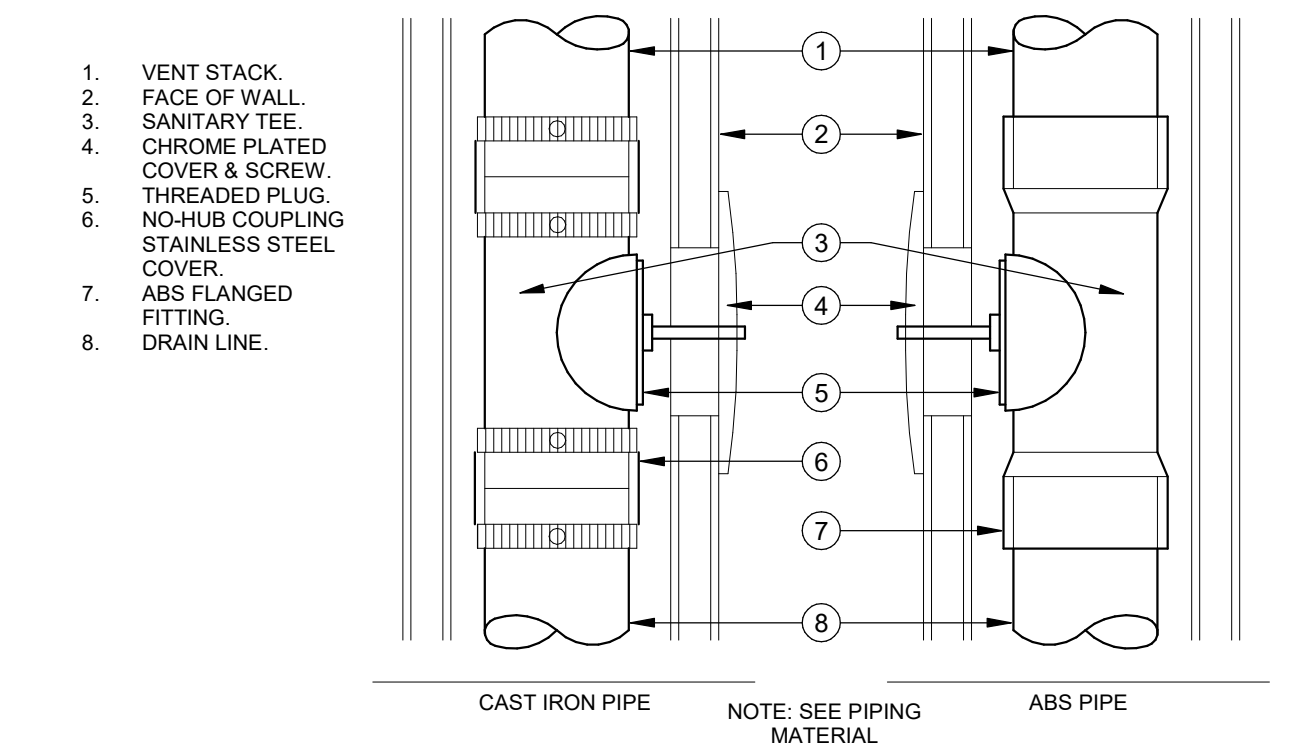
FLOOR CLEANOUT (FCO) NTS 1

1. PIPE. SEE PLAN FOR SIZE AND ROUTING.
2. PIPE CLAMP. B-LINE SERIES B2000 OR EQUAL.
3. PIPE INSULATION WHERE APPLICABLE. SEE SPECIFICATIONS. PROVIDE INSULATION PROTECTION SADDLE, MIN. 12" LONG, B-LINE B3151 OR EQUAL. MAY BE SUBSTITUTED FOR PRE-INSULATED CALCIUM SILICATE SHIELD SUPPORT, B-LINE B338 OR EQUAL.
4. 1-5/8" x 1-5/8" x 12 GA UNISTRUT CHANNEL, B-LINE V22 OR EQUAL. SECURE TO CURB WITH (2) 3/8" WOOD SCREWS WITH WASHER AT EACH END, MIN. 1" EMBED.
5. 12" HIGH PREFAB 18 GA. GALV. STEEL SUPPORT CURB WITH 1-1/2" PRESSURE TREATED WOOD NAILED AND SHEET METAL COUNTERFLASHING. PATE MODEL ES-2 OR EQUAL. GANT STRIP, BOTH LONG SIDES OF CURB.
7. 3/8" LAG SCREW WITH MIN. 4" EMBED INTO BLOCKING, MAX. 24" O.C. MAX. 2" FROM ENDS, MIN. (2) EACH SIDE OF CURB.
8. 4x6 BLOCKING BETWEEN JOISTS WITH U66 HANGERS EACH END.
9. ROOF FRAMING. SEE STRUCTURAL.



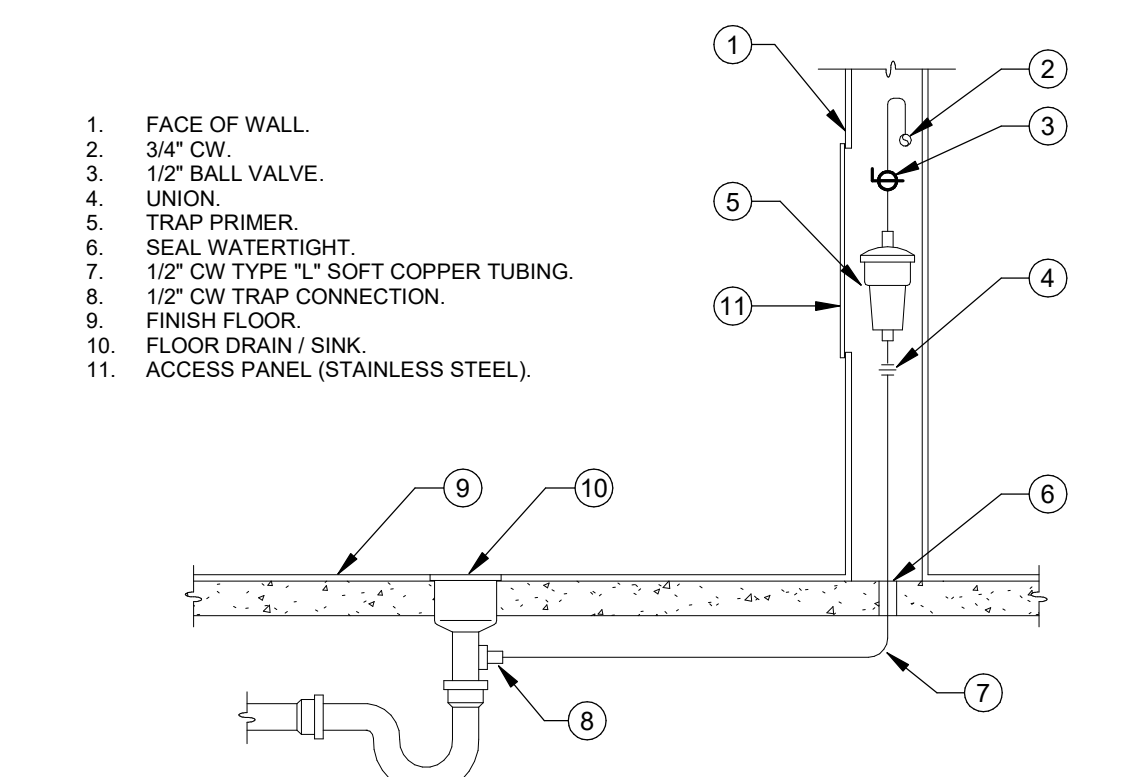
- NOTES:
 A. SUPPORT SPACING TO BE 4'-0" O.C. MAX AND WITHIN 2'-0" FROM ENDS.
 B. WRAP INSULATED PIPING EXPOSED TO OUTDOORS WITH ALUMINUM JACKETING.

ANCHORED PIPE SUPPORT ON ROOF NTS 6



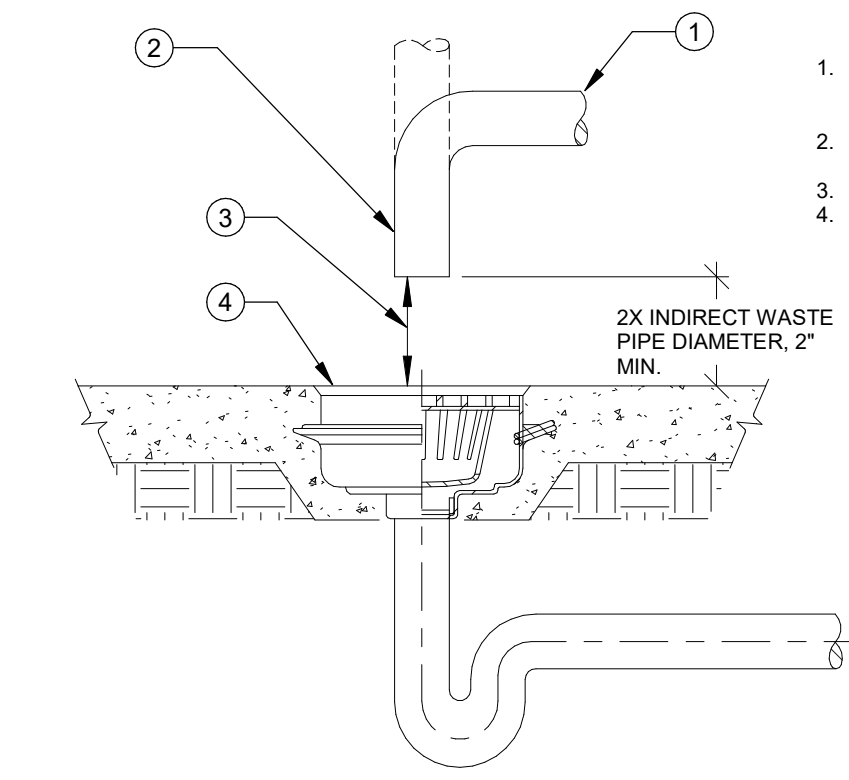
1. VENT STACK.
2. FACE OF WALL.
3. SANITARY TEE.
4. CHROME PLATED COVER & SCREW.
5. THREADED PLUG.
6. NO-HUB COUPLING.
7. ABS FLANGED FITTING.
8. DRAIN LINE.

WALL CLEANOUT (WCO) NTS 2



1. FACE OF WALL.
2. 3/4" CW.
3. 1/2" BALL VALVE.
4. UNION.
5. TRAP PRIMER.
6. SEAL WATER TIGHT.
7. 1/2" CW TYPE "L" SOFT COPPER TUBING.
8. 1/2" CW TRAP CONNECTION.
9. FINISH FLOOR.
10. FLOOR DRAIN / SINK.
11. ACCESS PANEL (STAINLESS STEEL).

TRAP PRIMER PIPING DETAIL NTS 3



1. SEE PLUMBING FLOOR PLAN FOR PIPE ROUTING AND EQUIPMENT LAYOUT.
2. INDIRECT WASTE DRAIN PIPE. SEE DRAWINGS FOR PIPE SIZE.
3. AIR GAP.
4. FLOOR SINK. SEE PLUMBING FIXTURE SCHEDULE.

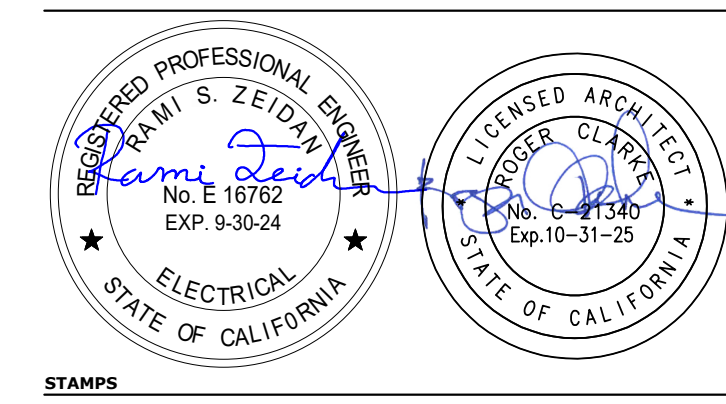
INDIRECT WASTE DETAIL NTS 4

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 4:06:43 PM

DATE	BY	REVISION

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpenginers.com
 Job #: 23-2287

RUHNAU
 CLARKE
 ARCHITECTS

ELECTRICAL SYMBOL LEGEND

ALL SYMBOLS SHOWN IN THIS LEGEND ARE NOT NECESSARY USED ON PLANS IF NOT REQUIRED

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
LIGHTING		POWER		ONE LINE DIAGRAM	
	LED LUMINAIRE - T-BAR LAY-IN		MAIN SWITCHBOARD OR DISTRIBUTION PANEL AS NOTED		PANEL IDENTIFICATION
	LED LUMINAIRE - RECESSED IN GYPSUM BOARD		RECESSED MOUNTED LIGHTING OR DISTRIBUTION PANEL		CIRCUIT BREAKER
	LED LUMINAIRE - SURFACE		SURFACE MOUNTED TERMINAL CABINET w/ 3/4" C PLYWOOD BACKBOARD, DUPLEX RECEPTACLE & #6 CU GND. UNO.		FUSED SWITCH
	LED LUMINAIRE - SUSPENDED		RECESSED TERMINAL CABINET w/ 3/4" C PLYWOOD BACKBOARD, DUPLEX RECEPTACLE & #6 CU GND. UNO.		GROUND FAULT CIRCUIT INTERRUPTER
	LED LUMINAIRE - SURFACE OR SUSPENDED STRIP		DISTRIBUTION TRANSFORMER, MOUNTING AND SIZE AS NOTED		GROUND
	LED LUMINAIRE - RECESSED DOWNLIGHT		NON-FUSED DISCONNECT SWITCH		UNDERGROUND TERMINATION SERVICE LUG
	LED LUMINAIRE - RECESSED WALL WASH		ENCLOSED CIRCUIT BREAKER DISCONNECT SWITCH		UTILITY METER WITH CURRENT TRANSFORMER COMPARTMENT METER SOCKET
	LED LUMINAIRE - SURFACE		FUSED DISCONNECT SWITCH; SIZE DISCONNECT AND FUSES PER UNIT LABEL		CUSTOMER-OWNED MULTIFUNCTION METER WITH CURRENT TRANSFORMERS
	LED LUMINAIRE - WALL		NON-FUSED / FUSED DISCONNECT; SEE DISCONNECT SWITCH SCHEDULE		MOTOR
	LED LUMINAIRE - PENDANT		MOTOR STARTER/CONTROLLER		TRANSFORMER WITH GROUND
	TRACK LIGHT - SUSPENDED OR SURFACE MOUNTED		COMBINATION CIRCUIT BREAKER DISCONNECT/MOTOR STARTER		UFER GROUND
	CONTINUOUS LINEAR LED TAPE OR LED COVE LIGHT		COMBINATION FUSIBLE DISCONNECT/MOTOR CONTROLLER; PROVIDE FUSES PER MANUFACTURER'S REQUIREMENTS. N.F. INDICATES NON-FUSED.		BOND TO COLD WATER PIPE, GAS PIPE, BUILDING STEEL
	HATCHED LUMINAIRE INDICATES AN EMERGENCY LUMINAIRE CONNECTED TO A EMERGENCY POWER DISTRIBUTION SYSTEM, OR INTEGRAL EMERGENCY BATTERY BACK-UP		POWER CONNECTION		AUTOMATIC TRANSFER SWITCH
	SINGLE FACE EXIT SIGN; SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION. DIRECTIONAL ARROW AS INDICATED ON PLANS. (CEILING OR WALL)		DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		NEUTRAL LINK
	DOUBLE FACE EXIT SIGN; SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION. DIRECTIONAL ARROW AS INDICATED ON PLANS. (CEILING OR WALL)		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP. [1]		SURGE PROTECTIVE DEVICE
	COMBINATION EMERGENCY EXIT SIGN WITH DUAL HEAD LIGHTS WITH EMERGENCY BATTERY BACK-UP		ISOLATED GROUND DUPLEX RECEPTACLE 20A, 120V @ +16" TO BOTTOM OF BOX, UNO.		CIRCUITS
	BATTERY POWERED EMERGENCY EGRESS LUMINAIRE - SURFACE MOUNTED		DEDICATED DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		STUB
	SPOT/FLOOD LUMINAIRE - CEILING		GFCI DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		CONTINUATION
	SPOT/FLOOD LUMINAIRE - ABOVE GROUND		ISOLATED GROUND GFCI DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		CONDUIT RISER - UP
	EXTERIOR POLE FIXTURE - SINGLE HEAD		DEDICATED GFCI DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		CONDUIT DROP - DOWN
	EXTERIOR POLE FIXTURE - TWIN HEAD		FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		CONDUIT CONCEALED IN CEILING OR WALL
	EXTERIOR PATHWAY POST-TOP POLE FIXTURE		FOURPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER TOP. [1]		CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
	BOLLARD FIXTURE		ISOLATED GROUND FOURPLEX RECEPTACLE 20A, 120V @ +16" TO BOTTOM OF BOX, UNO.		EXISTING CONDUIT TO REMAIN
	STEP LUMINAIRE		CONTROLLED/UNCONTROLLED FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		CONDUIT & CONDUCTORS FOR LOW VOLTAGE MOTION SENSORS
	LIGHTING CONTROLS		GFCI FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		EXISTING CONDUIT AND/OR CONDUCTORS TO BE REMOVED. UNDERGROUND CONDUIT MAY BE ABANDONED IN PLACE.
	SINGLE POLE TOGGLE SWITCH, 20A, 120-277V @ +48" TO TOP OF BOX, UNO.		GFCI FOURPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH. [1]		HOMERUN TO PANELBOARD OR TERMINAL CABINET w/ CONDUCTORS AS NOTED
	THREE WAY TOGGLE SWITCH, 20A, 120-277V @ +48" TO TOP OF BOX, UNO.		ISOLATED GROUND GFCI FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		CIRCUIT CONDUCTORS
	SUBSCRIPTS 'a b c' DESIGNATE THE QUANTITY OF SWITCHES AT EACH LOCATION (TYPICAL FOR ALL SWITCH TYPES)		DEDICATED GFCI FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.		LONG TICK INDICATES NEUTRAL CONDUCTOR; SHORT TICKS INDICATE PHASE CONDUCTORS; TICK MARK WITH A DOT ON THE END INDICATES EQUIPMENT GROUNDING CONDUCTOR; NUMBER BY TICKS INDICATE WIRE GAUGE OTHER THAN 12 AWG CU; NO TICKS INDICATE 2 #12 CU, 1 #12 CU GND. IN 1/2" CONDUIT; OTHERS AS NOTED ON PLAN.
	SINGLE POLE KEYED BARREL SWITCH 20A, 120-277V @ +48" TO TOP OF BOX, UNO.		SPECIAL RECEPTACLE OUTLET, SIZE AND NEMA CONFIGURATION AS NOTED, MOUNTED @ +16" TO BOTTOM OF BOX, UNO.		TICK MARK WITH A DOT ON THE END INDICATES EQUIPMENT GROUNDING CONDUCTOR; NUMBER BY TICKS INDICATE WIRE GAUGE OTHER THAN 12 AWG CU; NO TICKS INDICATE 2 #12 CU, 1 #12 CU GND. IN 1/2" CONDUIT; OTHERS AS NOTED ON PLAN.
	PUSH BUTTON		FLOOR MOUNTED DUPLEX RECEPTACLE, 20A, 125V FLUSH IN FINISHED FLOOR		NOTE: PROVIDE A CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS FOR THIS PROJECT, WHETHER SHOWN ON PLAN OR NOT.
	WALL MOUNTED DIMMER. SEE CONTROL DRAWINGS FOR TYPE.		FLOOR MOUNTED FOURPLEX RECEPTACLE, 20A, 125V FLUSH IN FINISHED FLOOR		FLEXIBLE CONDUIT, 6'-0" LONG MAX. w/ #12 CU GROUND UNO.
	OCCUPANCY SENSOR. SEE CONTROL DRAWINGS FOR TYPE.		CEILING MOUNTED DUPLEX RECEPTACLE, 20A, 125V		
	PHOTOCONTROL DAYLIGHT SENSOR		CEILING MOUNTED FOURPLEX RECEPTACLE, 20A, 125V		
	TAGS AND LEADERS		JUNCTION BOX - SIZE AS REQUIRED BY CODE. (WALL MOUNTED AND REGULAR)		
	BRACKET		JUNCTION BOX (FLOOR MOUNTED) - SIZE AS REQUIRED BY CODE.		
	LEADERS		PLUG MOLD		
	KEY NOTE		POWER POLE		
	LIGHT FIXTURE TAG: FIXTURE TYPE, PANEL NAME - CIRCUIT# / SWITCH/LEG		FLOOR MOUNTED COMBO DUPLEX RECEPTACLE / TELEPHONE/DATA		
	FEEDER DESIGNATION TAG		FLOOR MOUNTED COMBO FOURPLEX RECEPTACLE / TELEPHONE/DATA		
	KITCHEN EQUIPMENT DESIGNATION TAG		CEILING EXHAUST FAN		
	DETAIL DESIGNATION: TOP LETTER INDICATES DETAIL, BOTTOM LETTER/NUMBER INDICATES SHEET		ELECTRIC VEHICLE CHARGER, DUAL PORT & SINGLE PORT		
	MECHANICAL EQUIPMENT I.D. TAG - MP&S		THERMAL OVERLOAD SWITCH		
			MOTOR RATED SWITCH		
		FOOTNOTE:			
		[1]	PROVIDE 44" MAX. TO TOP OF BOX AT AREAS WITH FORWARD ACCESSIBLE APPROACH KNEE CLEARANCE, OR PROVIDE 48" MAX. TO TOP OF BOX AT AREAS WITH PARALLEL ACCESSIBLE APPROACH (PER CBC 11B-308).		

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 15:59:35

DATE	BY	APP	CCD	REV

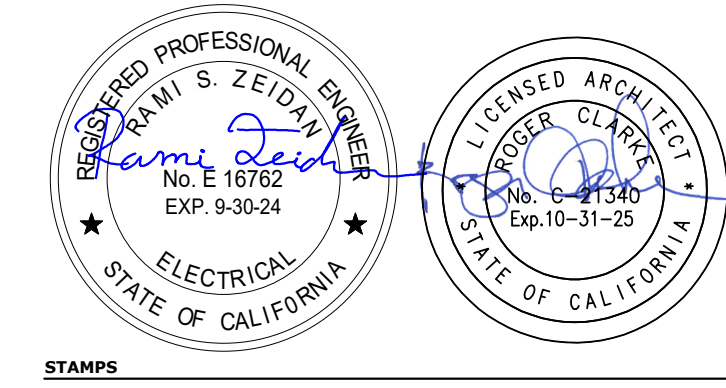
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

ELECTRICAL LEGENDS

E-0.2

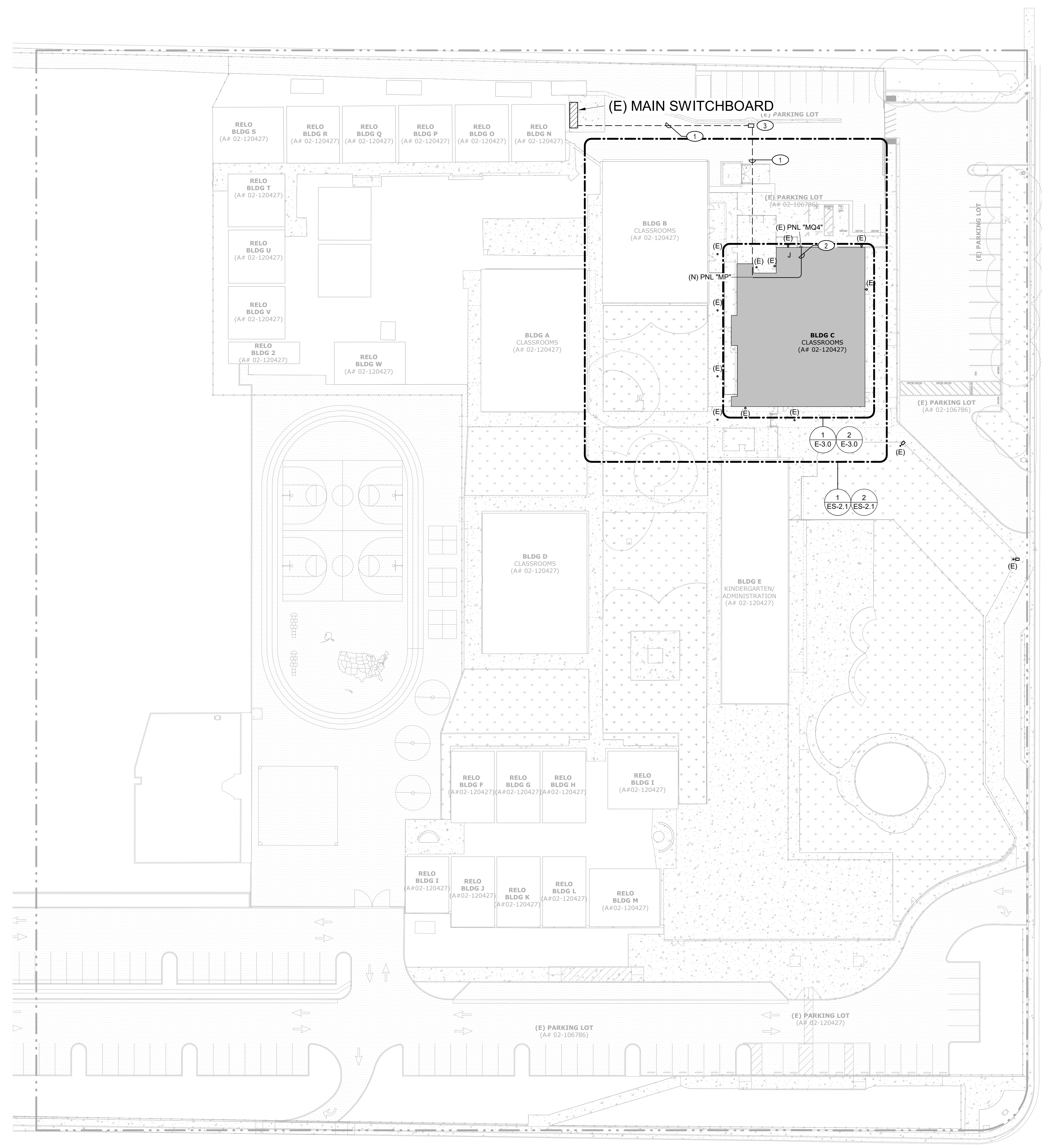
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



MEP & FS / Sustainability / CxA
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-771-0778
 www.lpeengineers.com
 Job #: 23-2287

**RUHNAU
 CLARKE
 ARCHITECTS**

- KEY NOTES**
- 1 NEW UNDERGROUND FEEDER, TRENCH, PATCH AND REPAIR THE SURFACE AS BEFORE. COORDINATE EXACT ROUTING IN THE FIELD. SEE ONE-LINE DIAGRAM FOR CONDUIT AND WIRE INFORMATION.
 - 2 NEW INTERIOR FEEDER RUN. COORDINATE MOST OPTIMAL CONDUIT ROUTING WITH EXISTING FIELD CONDITIONS. SEE ONE-LINE DIAGRAM FOR CONDUIT AND WIRE INFORMATION.
 - 3 PROVIDE NEW UNDERGROUND 17X24 PULLBOX WITH TRAFFIC-RATED H20 LID.



FOR REFERENCE ONLY

1 ELECTRICAL OVERALL SITE PLAN
 SCALE: 1" = 30'-0"

PROJECT No. :X-XX-XX
 6/27/2024 15:59:44

DATE	BY	DESCRIPTION

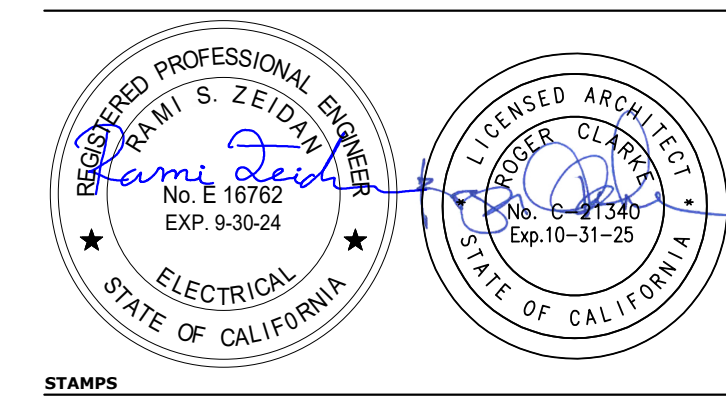
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**ELECTRICAL OVERALL
 SITE PLAN**

ES-1.1

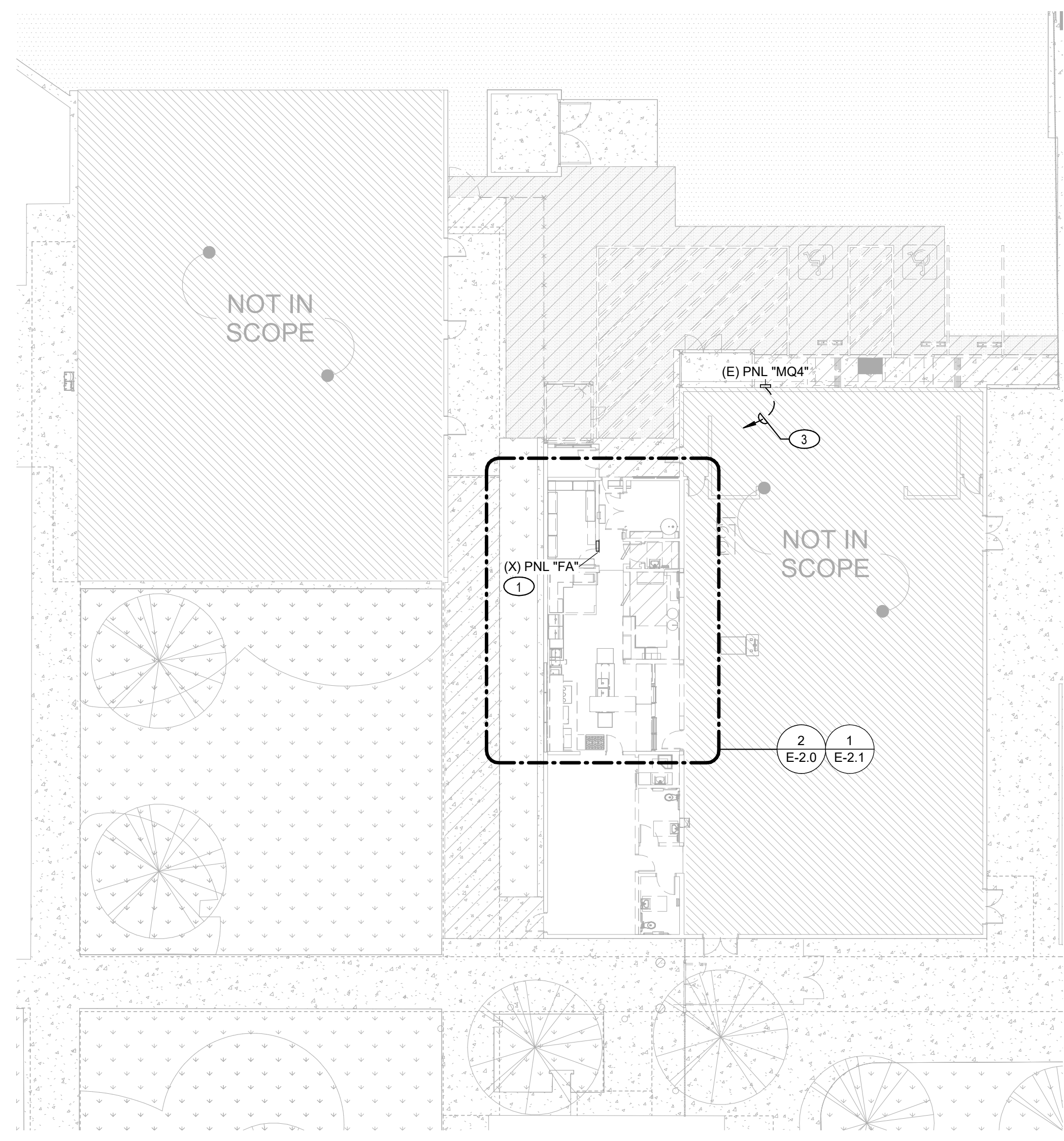
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



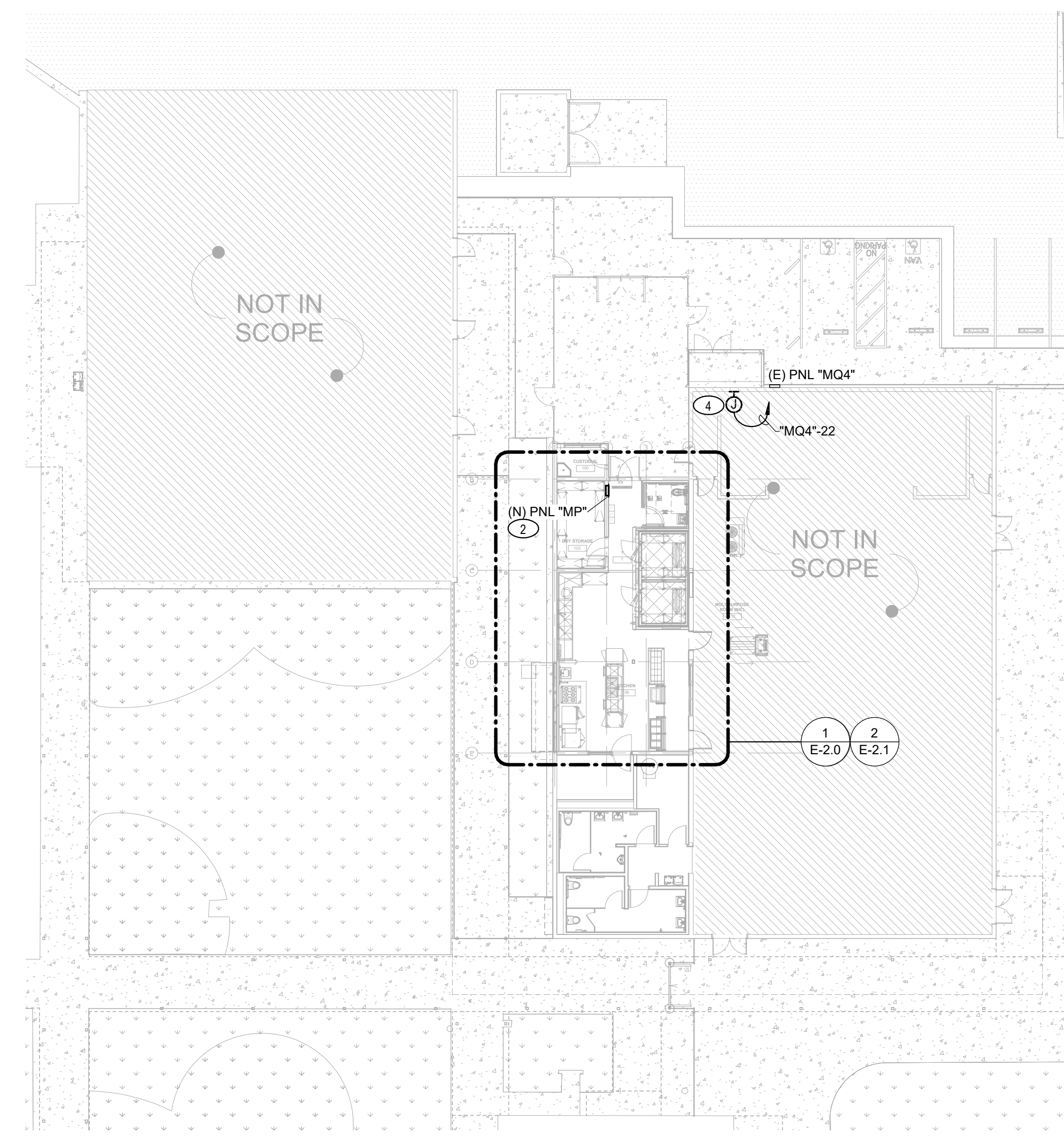
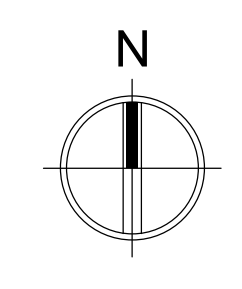
MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Rossville, CA 95676
 p.916.774.0778
 www.lpengineers.com
 Job #: 23-2287

AGENCY APPROVAL
 1916-00000000-00000000

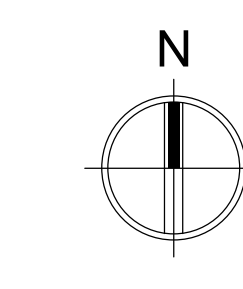
**RUHNAU
 CLARKE
 ARCHITECTS**



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



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



KEY NOTES

- DISCONNECT AND REMOVE EXISTING RECESSED ELECTRICAL PANEL. REMOVE ALL FEEDER AND BRANCH CIRCUITS ALONG WITH ASSOCIATED CONDUIT BACK TO THE SOURCE. PREPARE EXISTING SPACE FOR CONNECTION TO A NEW PANEL.
- PROVIDE NEW PANEL IN PLACE OF EXISTING. SEE PANEL SCHEDULE AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL FEEDER CONDUIT AND WIRE AS FAR AS POSSIBLE. PRESERVE PANELBOARD TERMINATIONS FOR RECONNECTION TO A NEW PANEL FEEDER.
- PROVIDED DEDICATED CIRCUIT FOR (N) FIRE ALARM AMPLIFIER, 120V/1Ø, 50W

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 15:59:55

DATE	BY	DESCRIPTION

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**ELECTRICAL
 ENLARGED DEMO &
 NEW SITE PLANS**

ES-2.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

GENERAL NOTES

- S. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V CIRCUITS FOR HEAT TRACE TAPE FOR NEW WALK-IN FREEZERS AND MEAT COOLER DRAINS.
- T. THE ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING FOR WALK-IN REFRIGERANT MONITORING PANEL AND DEVICES AS DIRECTED BY THE REFRIGERATION EQUIPMENT INSTALLER.
- U. CONDUIT PENETRATION INTO WALK-IN REFRIGERATOR AND FREEZER SHALL BE PER DETAILS ON FOODSERVICE DRAWINGS. COORDINATE EXACT PENETRATIONS WITH EQUIPMENT VENDOR.

GENERAL NOTES

- O. PROVIDE CONDUIT FOR ALL CASE TEMPERATURE PROBES (NOT SHOWN). SEE REFRIGERATION DRAWINGS FOR QUANTITIES AND LOCATIONS. COORDINATE WITH REFRIGERATION EQUIPMENT INSTALLER AT JOBSITE.
- P. REFER TO REFRIGERATION DRAWINGS FOR REFRIGERATION EQUIPMENT WIRING AND DISCONNECT SWITCH REQUIREMENTS.
- Q. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROL WIRES FROM EACH REFRIGERATED WALK-IN BOX TO COMPRESSOR RACK AS DIRECTED BY THE REFRIGERATION EQUIPMENT INSTALLER.
- R. THE ELECTRICAL CONTRACTOR SHALL PROVIDE DOOR SWITCHES FOR NEW WALK-IN FREEZERS AND WIRE THROUGH FAN AND SOLENOID CIRCUITS. COORDINATE WITH REFRIGERATION EQUIPMENT INSTALLER AT JOBSITE.

GENERAL NOTES

- L. SEE REFRIGERATION DRAWINGS FOR EQUIPMENT SCHEDULES AND CONTROL WIRING. CONTROL WIRING PROVIDED BY ELECTRICAL CONTRACTOR.
- M. ALL RECEPTACLES INSTALLED IN KITCHEN AND WASH DOWN AREAS SHALL BE GFCI PROTECTED AND HAVE WEATHERPROOF WHILE IN USE COVERS.
- N. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HOOD FIRE SUPPRESSION SYSTEM CONTROL WIRING. PROVIDE CONDUIT, WIRE, RELAYS, CONTACTORS, ETC. AS REQUIRED TO MAKE ALL CONNECTIONS AND INTERLOCKS IN CONFORMANCE WITH LOCAL FIRE MARSHAL REQUIREMENTS. PROVIDE FOR DE-ENERGIZING ALL ELECTRICAL OUTLETS AND GAS SOLENOID VALVES UNDER HOODS AS REQUIRED.

GENERAL NOTES

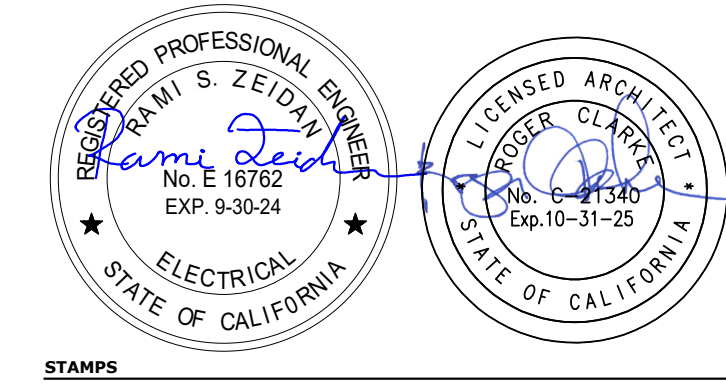
- H. VERIFY LOCATIONS OF ALL THERMOSTATS, SOLENOIDS AND OTHER ELECTRICAL CONTROLS WITH THE REFRIGERATION AND/OR AIR CONDITIONING CONTRACTORS PRIOR TO ROUGH-IN.
- I. FURNISH AND INSTALL ALL CONDUIT, WIRE, OUTLETS, ETC. FOR ALL KITCHEN EQUIPMENT AS REQUIRED. THIS EQUIPMENT IS FURNISHED AND INSTALLED BY OTHERS, CONNECTED BY THE ELECTRICAL CONTRACTOR.
- J. ALL CONDUIT FOR REFRIGERATED CASES INSTALLED BELOW BUILDING FLOOR SLAB SHALL BE MINIMUM 1" DIAMETER.
- K. NO CONDUIT SHALL RUB OR COME IN CONTACT WITH REFRIGERATION LINES.

GENERAL NOTES

- E. FURNISH AND INSTALL CONDUIT, WIRE, OUTLETS, ETC. FOR REFRIGERATED WALK-IN BOXES AND CONNECT COMPLETE AND READY TO OPERATE AS DIRECTED BY THE REFRIGERATION EQUIPMENT INSTALLER.
- F. REVIEW THE REFRIGERATION PLANS AND DIAGRAMS PRIOR TO STARTING WORK AND CONTACT REFRIGERATION EQUIPMENT INSTALLER FOR CLARIFICATION IS NEEDED. UPON COMPLETION OF WIRING, PERFORM A SATISFACTORY OPERATIONAL CONTROL SEQUENCE CHECK WITH THE REFRIGERATION EQUIPMENT INSTALLER BY RINGING OUT ALL CIRCUITS AND CORRECTING ANY WIRING ERRORS.
- G. MOUNT AND/OR CONNECT ALL THERMOSTATS, SOLENOIDS AND OTHER CONTROLS FURNISHED BY THE REFRIGERATION AND/OR AIR CONDITIONING CONTRACTORS AND CONNECT ALL MOTORS, CONTROLS AND OTHER COMPONENTS FURNISHED BY THESE CONTRACTORS.

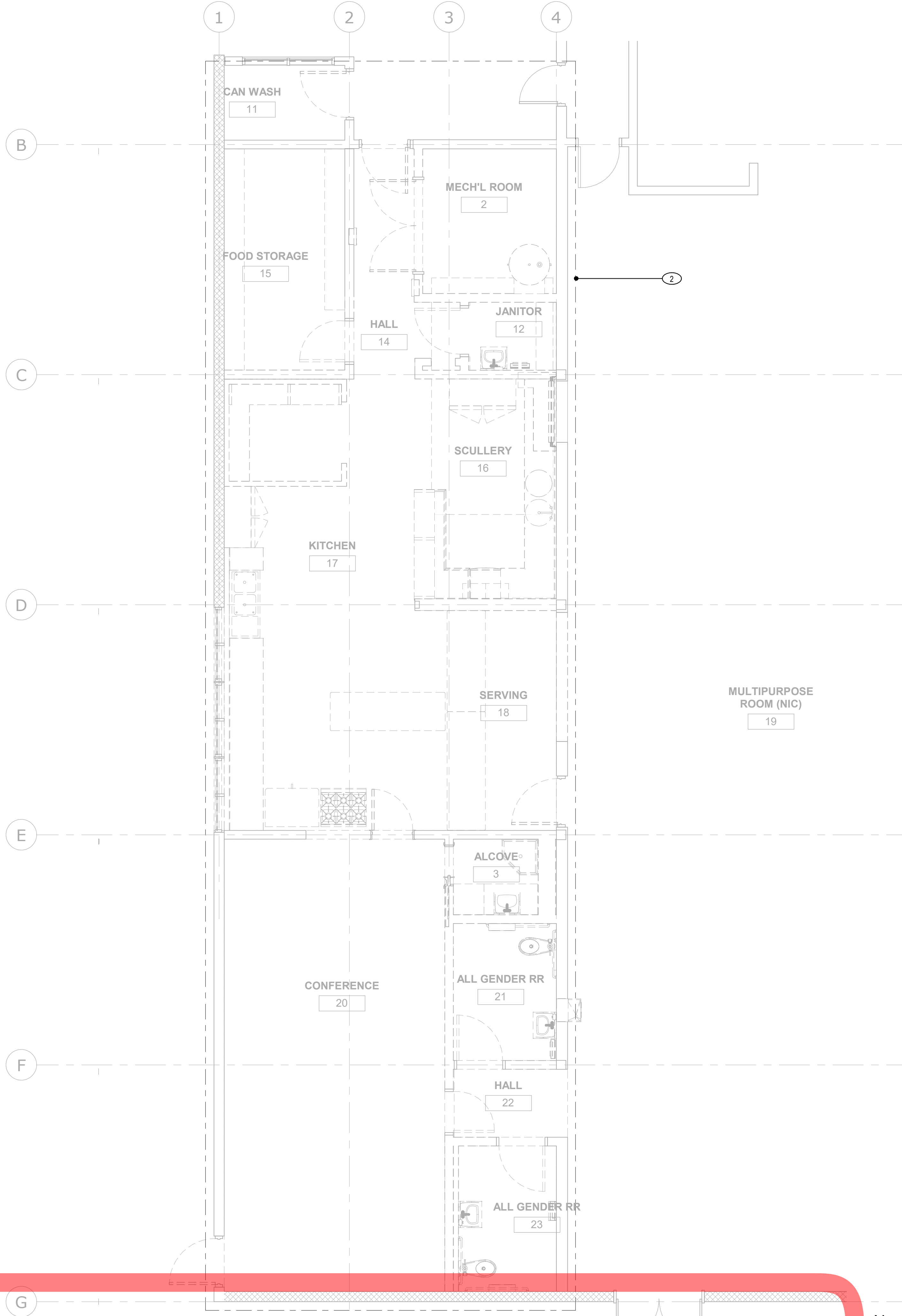
GENERAL NOTES

- A. FURNISH AND INSTALL ALL MOTOR STARTERS, RELAYS AND CONTACTORS FOR REFRIGERATION EQUIPMENT. COORDINATE WITH REFRIGERATION EQUIPMENT INSTALLER AT JOBSITE.
- B. VERIFY LOCATIONS OF ELECTRICAL STUB-UPS FOR REFRIGERATED CASES, TABLES AND OUTLETS WITH REFRIGERATION EQUIPMENT INSTALLER AT JOBSITE PRIOR TO FLOOR POUR.
- C. SURFACE MOUNT ALL CONDUIT IN PREFAB REFRIGERATED WALK-IN BOXES AND SEAL ALL PERFORATIONS WITH PERMAGUM OR APPROVED SEALANT.
- D. CONNECT ALL BLOWER COIL FAN MOTORS LOCATED IN WALK-IN BOXES WITH WP FLEX, CONDUIT AND PROVIDE DISCONNECT SWITCH.



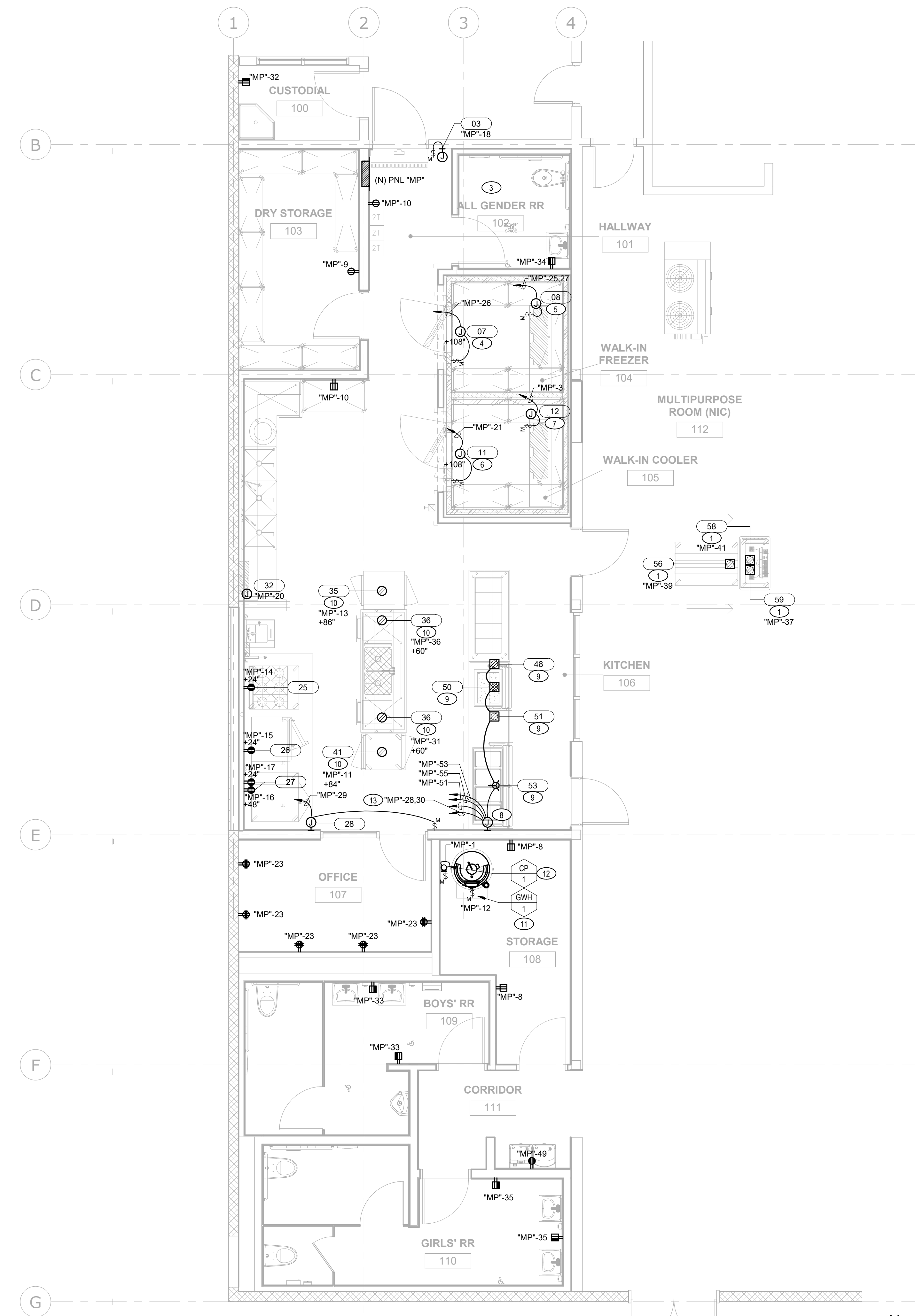
LP CONSULTING ENGINEERS
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpeengineers.com
 Job #: 23-2287

RUHNAU CLARKE ARCHITECTS



FOR REFERENCE ONLY

2 ELECTRICAL ENLARGED DEMO POWER PLAN
 SCALE: 1/4" = 1'-0"



1 ELECTRICAL ENLARGED NEW POWER PLAN
 SCALE: 1/4" = 1'-0"

KEY NOTES

- 1 NEMA 5-15P, ELECTRICAL TO STUB INTO FLOOR BOX "BUMPED UP" TO PROTECT FROM WATER.
- 2 DEMO EXISTING POWER CIRCUITING AND ASSOCIATED DISTRIBUTION WIRING IN THE BUILDING KITCHEN AREA AND WHERE ELSE IDENTIFIED ON PLAN. DISCONNECT EXISTING MECHANICAL AND PLUMBING EQUIPMENT BEING REPLACED AND REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO THE SOURCE. REFER TO DEMOLITION NOTES ON SHEET E-0.1 FOR DEMOLITION WORK REQUIREMENTS.
- 3 AIR CURTAIN, 120V/1Ø, MOCP, 15A. EQUIPMENT PROVIDED BY FOOD SERVICE CONSULTANT.
- 4 WALK-IN FREEZER, 120V/1Ø, 0.1KW LOAD. PROVIDED BY FOOD SERVICE CONSULTANT.
- 5 FREEZER EVAPORATOR COIL, 208V/1Ø, 2.0A. PROVIDED BY FOOD SERVICE CONSULTANT.
- 6 WALK-IN COOLER, 120V/1Ø, 0.1KW LOAD. PROVIDED BY FOOD SERVICE CONSULTANT.
- 7 COOLER EVAPORATOR COIL, 208V/1Ø, 1.6A. PROVIDED BY FOOD SERVICE CONSULTANT.
- 8 SERVING LINE LOAD CENTER, 208V/1Ø, 20A MOCP. CONNECT TO SERVING COUNTER TO BE FULLY WIRED AT FACTORY.
- 9 FIXTURE PROVIDED BY OTHERS AND INTEGRATED WITHIN SERVING COUNTER.
- 10 CORD-DROP RECEPTACLE SERVING FOOD SERVICE EQUIPMENT INDICATED ON PLANS.
- 11 GAS WATER HEATER, 120V/1Ø/60HZ, 2.2 FLA BLOWER, 4.0A IGNITER.
- 12 CIRCULATION PUMP, 115V/1Ø, 0.4FLA.
- 13 PROVIDE 3/4" C 3#12 CU + 1#12 CU GND.

DATE	BY	REVISION
6/27/2024	ADD	REV
	ADD	REV
	ADD	REV
	ADD	REV

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

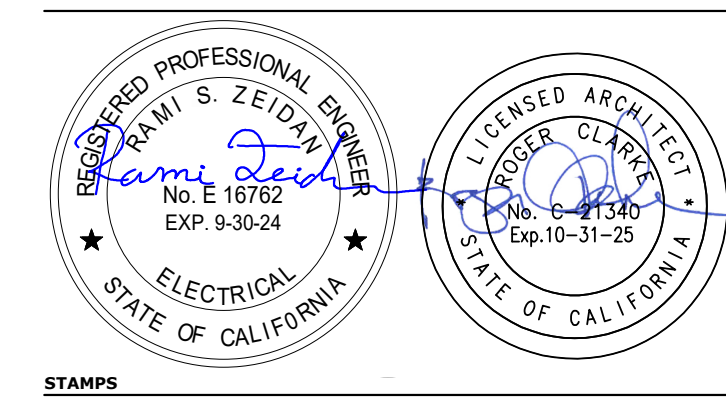
ELECTRICAL DEMO & NEW POWER PLANS

E-2.0

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

GENERAL NOTES

- A. ONLY LIGHTING CONTROL DEVICES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR LIGHTING CONTROL SYSTEM, SHOWING ALL COMPONENTS, LOCATIONS AND POINT-TO-POINT WIRING DIAGRAM FOR REVIEW AND APPROVAL. CONTRACTOR SHALL PROVIDE REQUIRED PROGRAMMING, CONFIGURATIONS AND ADJUSTMENTS, FOR A COMPLETE AND OPERABLE SYSTEM. SEE OCCUPANCY AND DAYLIGHT SENSOR GENERAL NOTE ON SHEET E-001K.
- B. ROUTE NEW LIGHTING CIRCUITS VIA NEW TIMECLOCK "TC". PROGRAM TIMECLOCK PER DISTRICT DIRECTION.

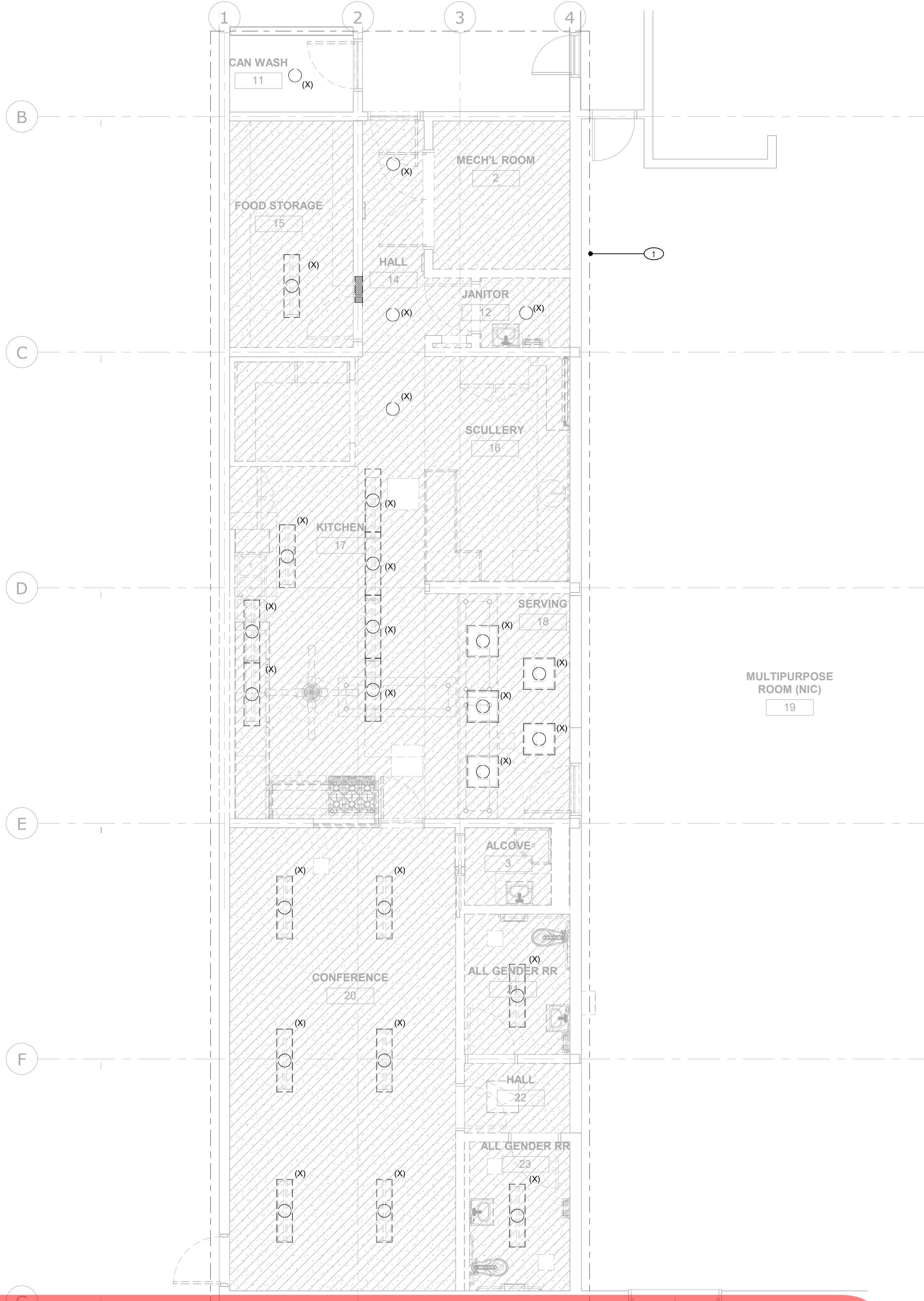


LP CONSULTING ENGINEERS
 MEP & FS / Sustainability / CxA
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpengineers.com
 Job #: 23-2287

RUHNAU CLARKE ARCHITECTS

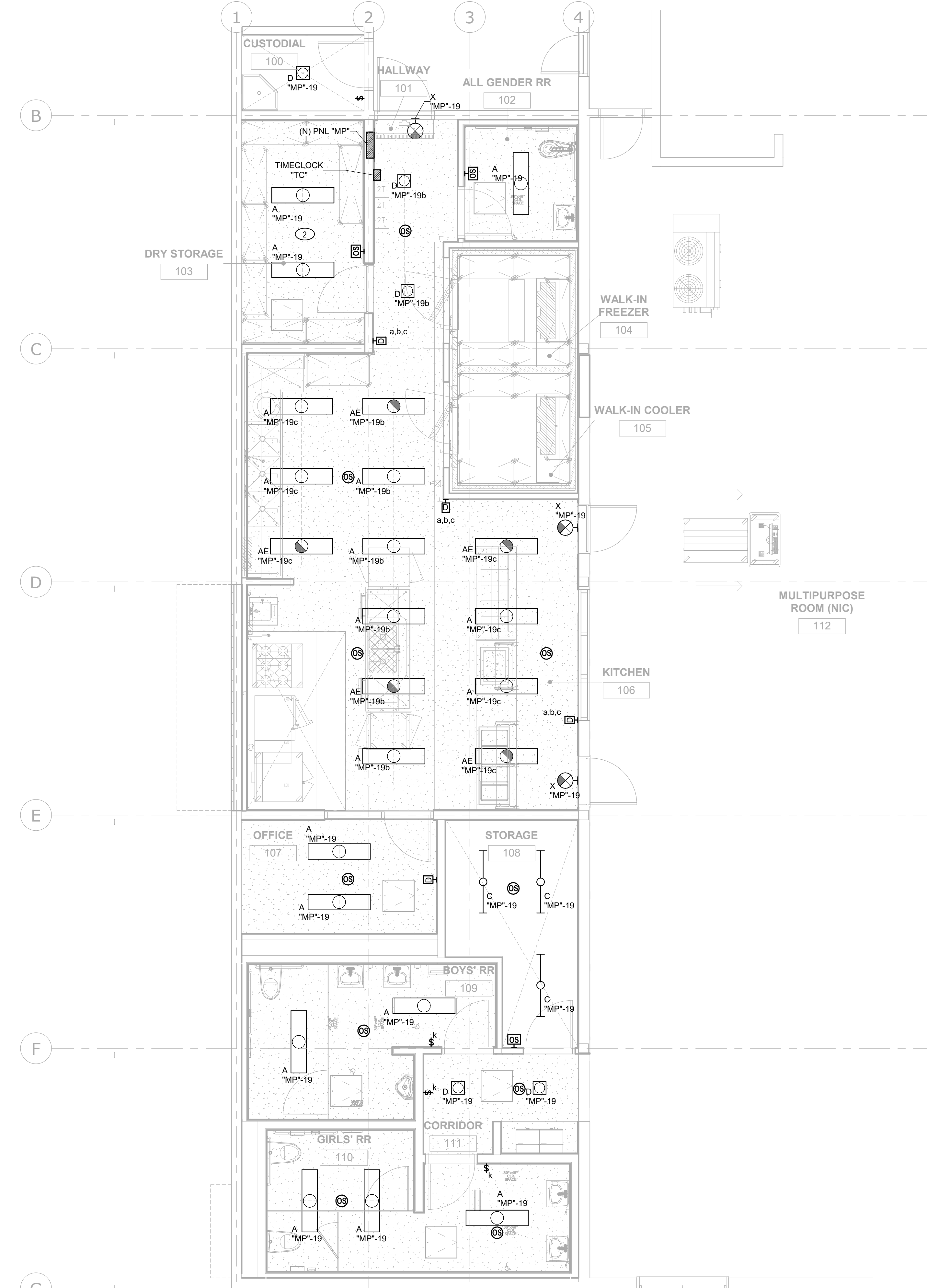
KEY NOTES

- 1 DEMO EXISTING LIGHTING FIXTURES, ASSOCIATED LIGHTING CONTROLS AND ALL LIGHTING DISTRIBUTION WIRING IN THE BUILDING KITCHEN AREA AND WHERE ELSE IDENTIFIED ON PLAN. REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO THE SOURCE. REFER TO DEMOLITION NOTES ON SHEET E-0.1 FOR DEMOLITION WORK REQUIREMENTS.
- 2 2-CIRCUIT ASTRONOMICAL TIMECLOCK, INTERMATIC ET8215C.



FOR REFERENCE ONLY

2 ELECTRICAL ENLARGED DEMO LIGHTING PLAN
 SCALE: 1/4" = 1'-0"



1 ELECTRICAL ENLARGED NEW LIGHTING PLAN
 SCALE: 1/4" = 1'-0"

PROJECT No. :X-XX-XX
 6/27/2024 16:06:40

DATE	BY	REVISION

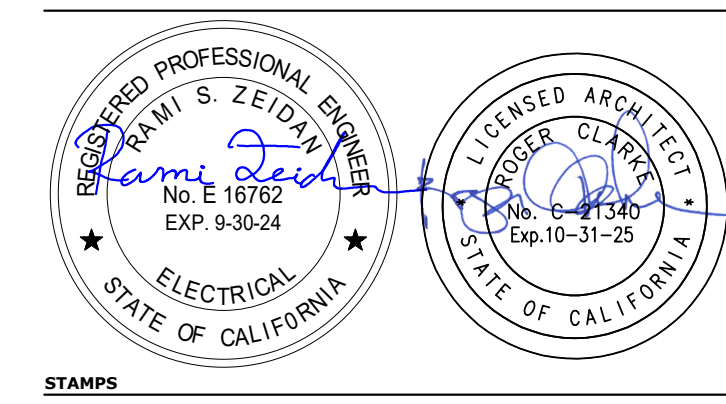
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

ELECTRICAL DEMO & NEW LIGHTING PLANS

E-2.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



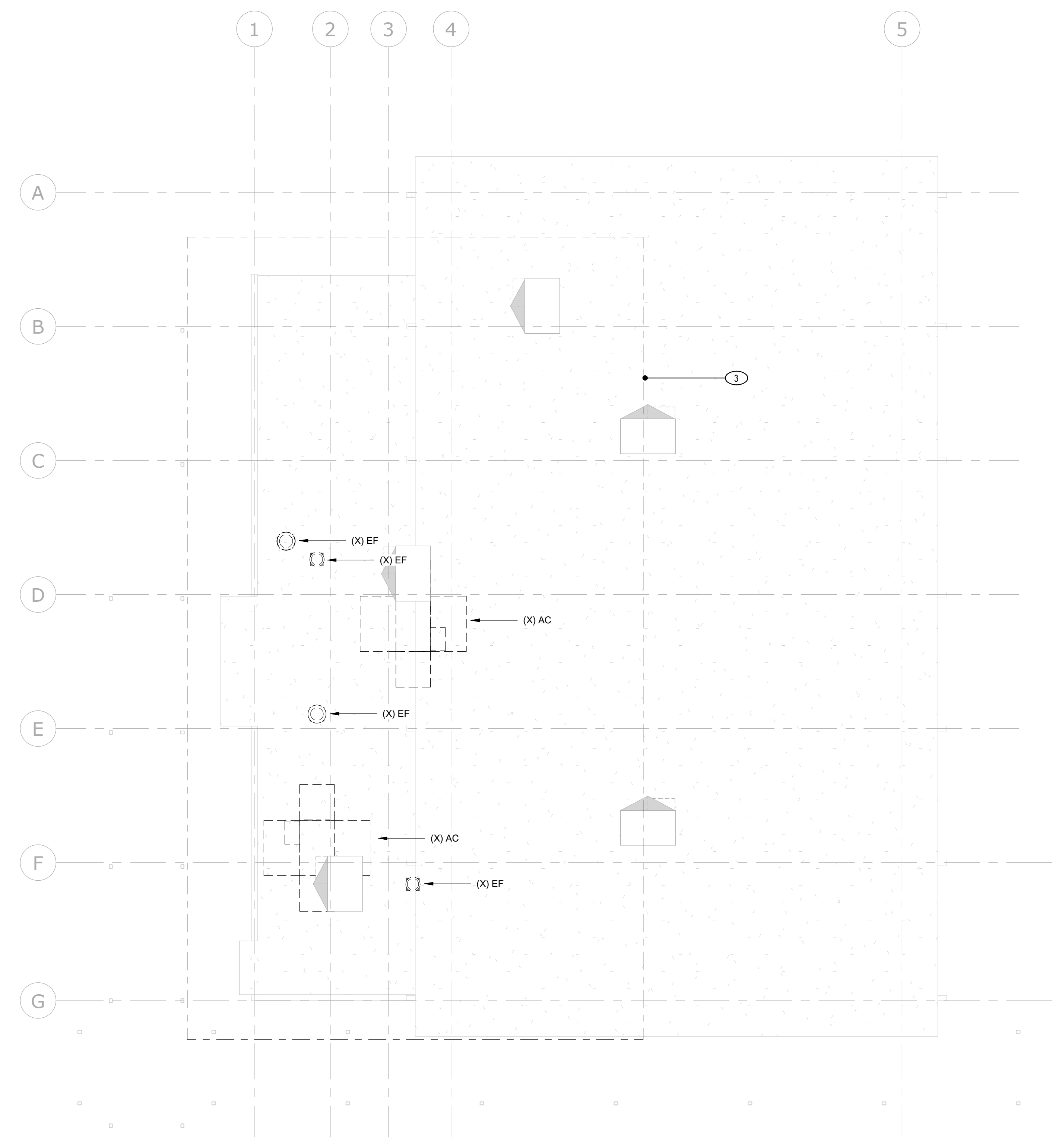
MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpenginers.com
 Job #: 25-2287

**RUHNAU
 CLARKE**
 ARCHITECTS

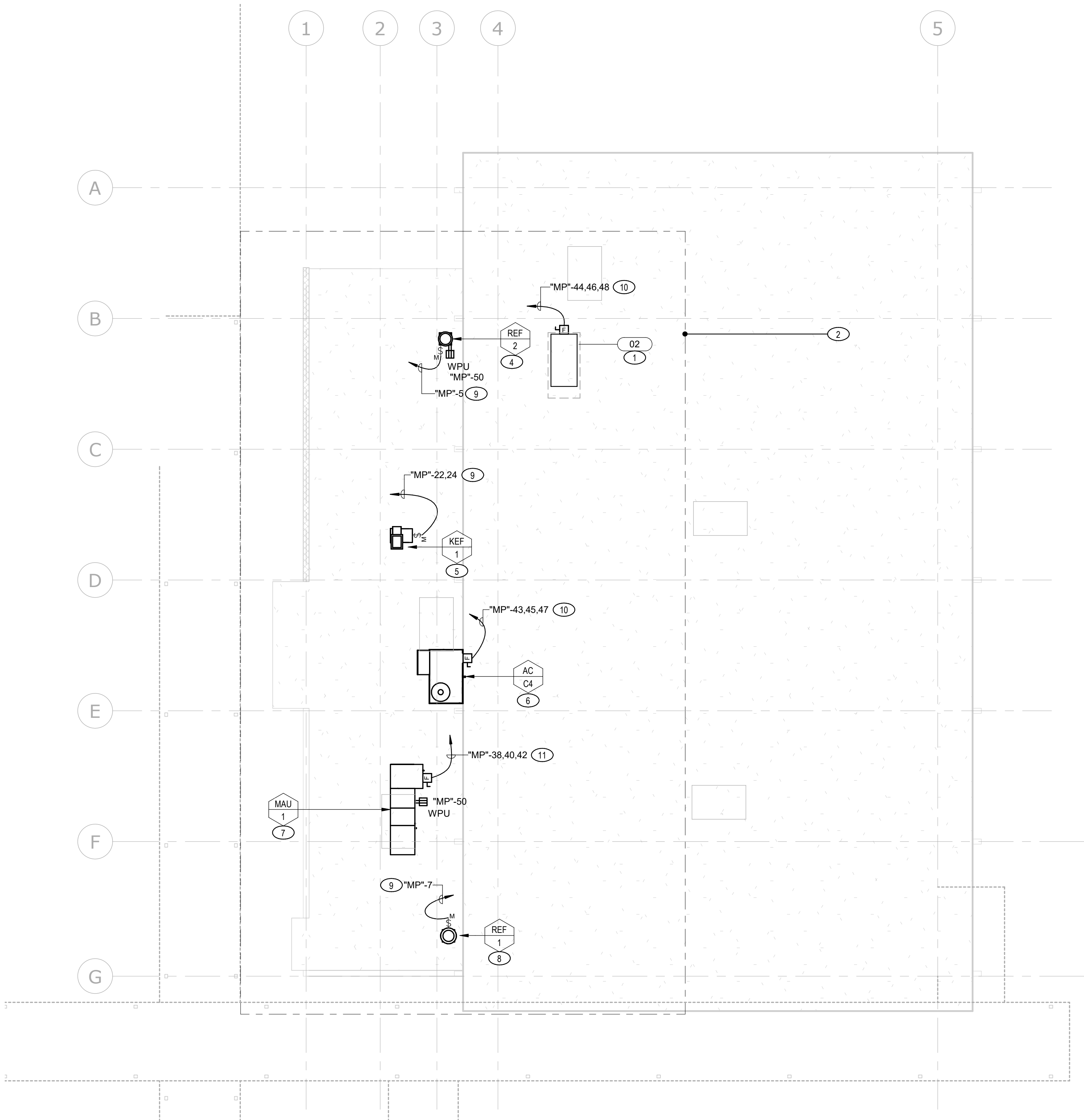
CONSULTANT BRANDING

KEY NOTES

- REFRIGERATOR RACK, 208V/3Ø, FLA: 22.7A, MCA/MOCP: 25.4A/35A. EQUIPMENT PROVIDED BY FOOD SERVICE CONSULTANT. EC TO PROVIDE 60A/3P/35A FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE.
- COORDINATE ALL ELECTRICAL REQUIREMENTS WITH MECHANICAL PLANS.
- DISCONNECT EXISTING MECHANICAL EQUIPMENT IDENTIFIED IN THE SCOPE BOUNDARY AND REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO THE SOURCE. REFER TO DEMOLITION NOTES ON SHEET E-0.1 FOR DEMOLITION WORK REQUIREMENTS. VERIFY DEMOLITION SCOPE OF WORK WITH MECHANICAL CONTRACTOR.
- ROOFTOP EXHAUST FAN, 120V/1Ø, FLA: 1.5A, MCA/MOCP: 2A/15A. FACTORY PREWIRED DISCONNECT SWITCH.
- ROOFTOP EXHAUST FAN, 208V/1Ø, FLA: 7.0A, MCA/MOCP: 9A/20A. FACTORY PREWIRED DISCONNECT SWITCH.
- ROOFTOP HVAC UNIT, 208V/3Ø, FLA: 18.28A, MCA/MOCP: 21A/30A. PROVIDE 30A/3P/21A FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE.
- ROOFTOP MAKE-UP AIR UNIT, 208V/3Ø, MCA/MOCP: 10.8A/15A. PROVIDE 30A/3P/21A FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE.
- ROOFTOP EXHAUST FAN, 120V/1Ø, FLA: 2.2A, MCA/MOCP: 3A/15A. FACTORY PREWIRED DISCONNECT SWITCH.
- PROVIDE 3/4" CU W/ 2#12 CU + 1#12 CU GND.
- PROVIDE 1" CU W/ 3#10 CU + 1#10 CU GND.
- PROVIDE 3/4" CU W/ 3#12 CU + 1#12 CU GND.



2 ELECTRICAL DEMO ROOF PLAN
 SCALE: 1/8" = 1'-0"



1 ELECTRICAL NEW ROOF PLAN
 SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

PROJECT No.: X-XX-XX
 6/27/2024 16:00:24

DATE	BY	DESCRIPTION

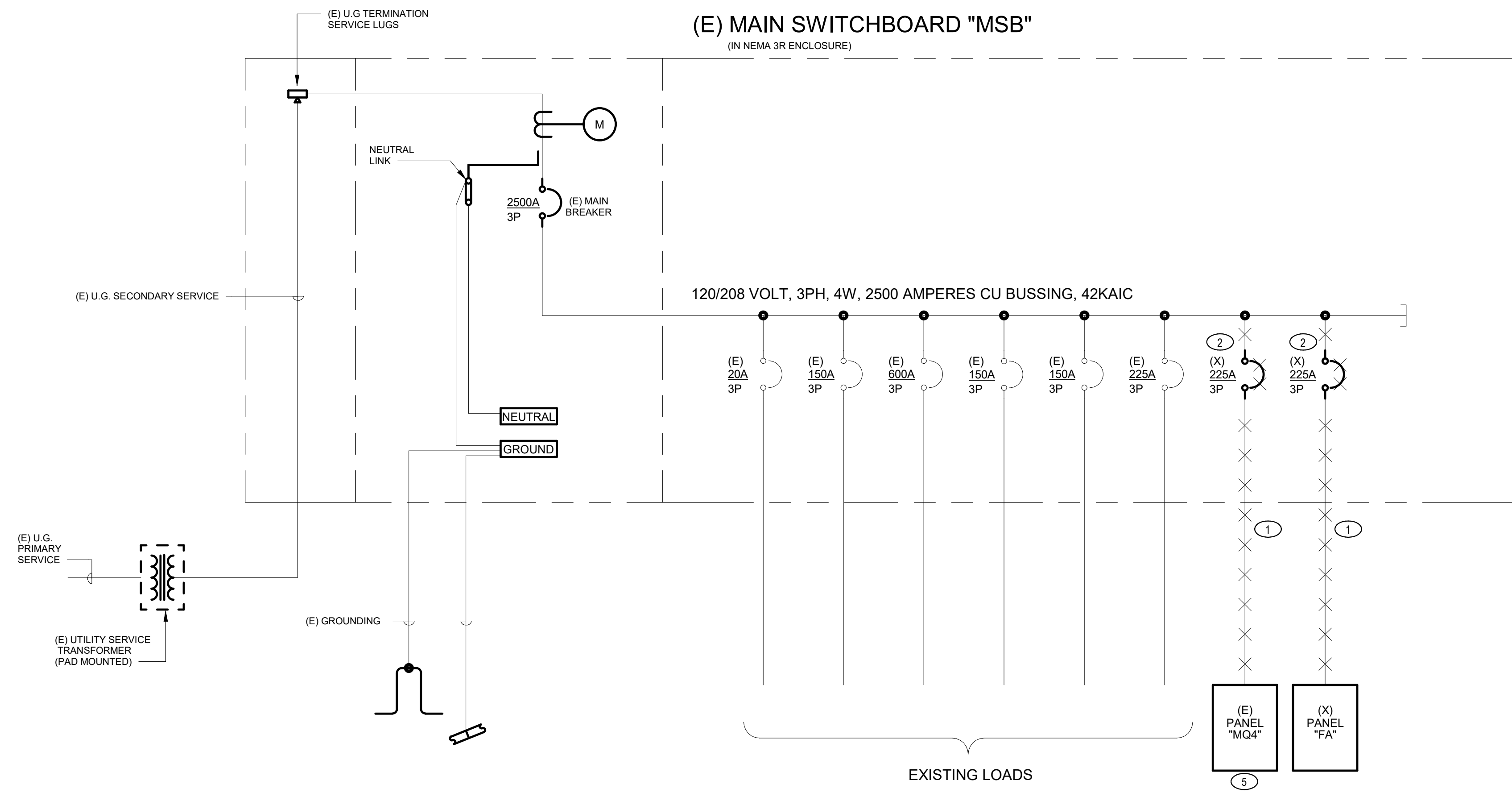
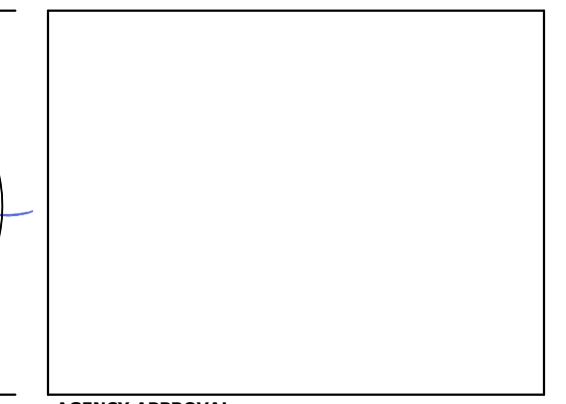
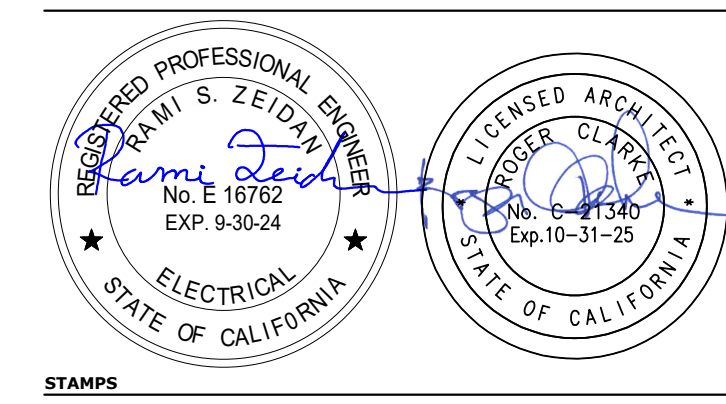
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**ELECTRICAL DEMO &
 NEW ROOF PLANS**

E-3.0

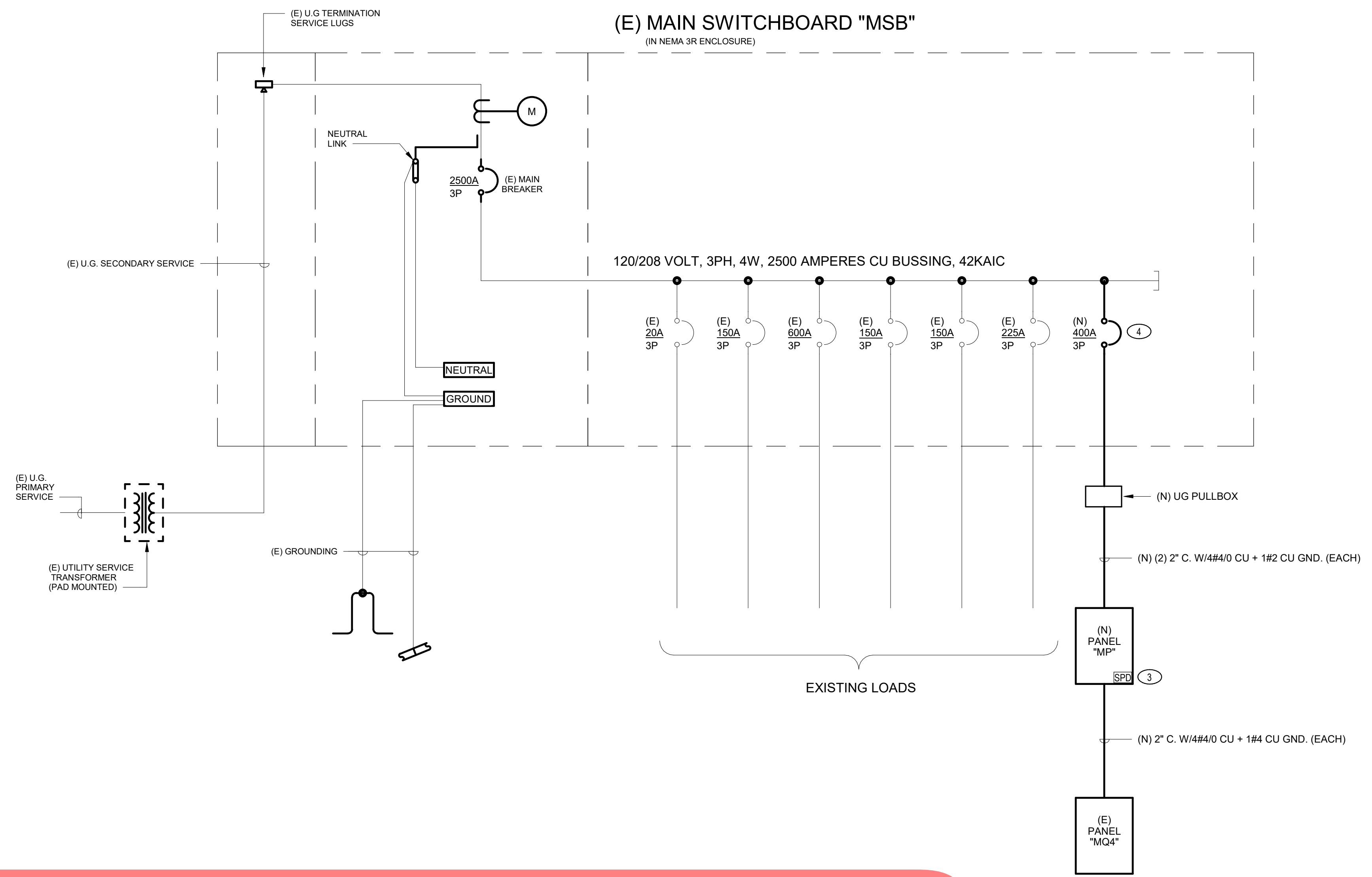
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



EXISTING ELECTRICAL SERVICE LOAD CALCULATION			
EXISTING MAXIMUM PEAK DEMAND LOAD FOR LAST 12 MONTHS (SOURCE: SMUD PREVIOUS 12 MONTHS DATA)	224.4	KVA	
PLUS 25% OF EXISTING CONNECTED LOAD	56.1	KVA	
TOTAL EXISTING CONNECTED LOAD	= 280.4	KVA	
REMOVED EXISTING LOAD			
PANEL "FA"	48.6	KVA	
-	0.00	KVA	
TOTAL LOAD REMOVED	= 48.6	KVA	
TOTAL EXISTING LOAD MINUS REMOVED LOAD	= 231.8	KVA	
ADD NEW LOAD			
NEWLY ADDED KITCHEN EQUIPMENT	110.0	kVA @ X 1	110.0
25% OF LARGEST NEW MOTOR=	50.0	KVA @ 25% =	12.5
TOTAL ADDED LOAD	= 122.5	KVA	
EXISTING AND ADDED TOTAL SERVICE LOAD	354.3	KVA @ 120/208 VOLT, 3	PHASE = 354.3
			AMPERES = 984
THEREFORE: EXISTING MAIN 2500 AMP SERVICE HAS THE CAPACITY FOR THE NEW ADDED LOAD.			

- KEY NOTES**
- 1 REMOVE EXISTING CONDUIT AND WIRE ASSOCIATED WITH CORRESPONDING PANEL BACK TO THE SOURCE. VERIFY EXACT ROUTING AND TERMINATION LOCATIONS IN THE FIELD.
 - 2 REMOVE EXISTING CIRCUIT BREAKER FROM MAIN SWITCHBOARD AND PREPARE EXISTING SPACE FOR NEW CIRCUIT BREAKER.
 - 3 PROVIDE INTEGRAL SURGE PROTECTION DEVICE WITH MINIMUM RATING OF 50KA PER PHASE.
 - 4 PROVIDE NEW CIRCUIT BREAKER AT AVAILABLE SPACE IN EXISTING SWITCHBOARD. MATCH TYPE AND AIC RATING OF A NEW BREAKER WITH EXISTING BREAKERS IN THE SWITCHBOARD.
 - 5 SEE 2/E-6.1 FOR NEW FEEDER CONNECTION.

1 ONE-LINE DIAGRAM - DEMO
SCALE: NONE



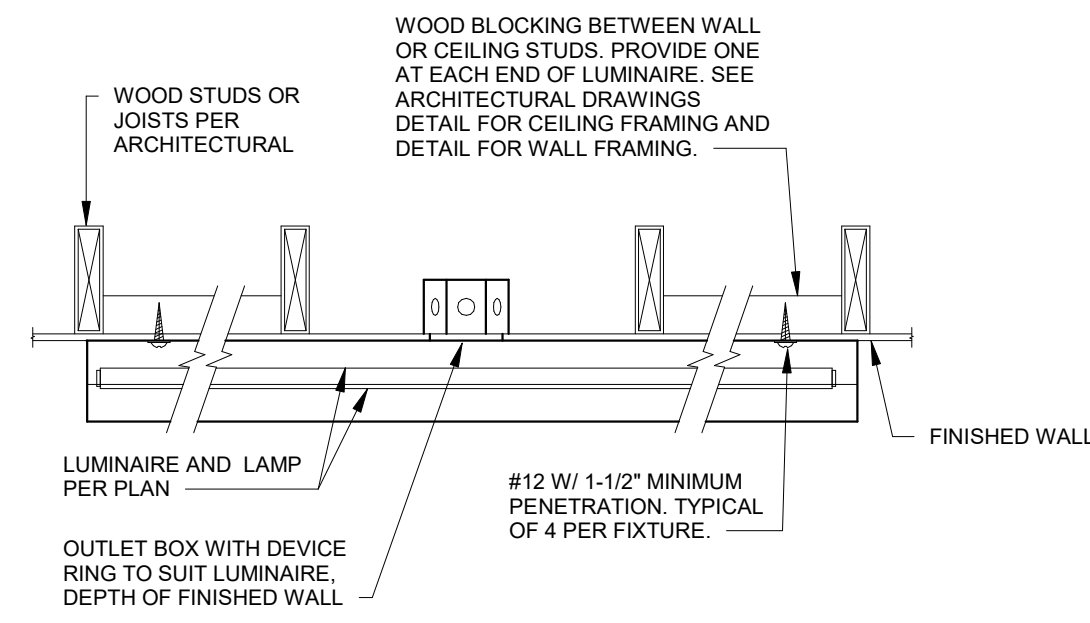
- GENERAL NOTES**
- A. THE CONTRACTOR SHALL PROVIDE SHORT CIRCUIT STUDY, PROTECTIVE DEVICE COORDINATION STUDY AND ARC FLASH STUDY FOR THE PROJECT COMPLETE ELECTRICAL DISTRIBUTION SYSTEM. SUBMIT TO THE ELECTRICAL ENGINEER OF RECORD FOR REVIEW. PROVIDE ALL SHORT CIRCUIT DEVICE AND EQUIPMENT CHARACTERISTIC INFORMATION. FOR ALL ELECTRICAL COMPONENTS PROVIDE TIME - CURRENT CURVES FOR ALL OVERCURRENT PROTECTIVE DEVICES IN THE SUBMITTAL. SET AND ADJUST ALL DEVICES IN ACCORDANCE WITH THE REQUIREMENTS OF THE STUDY PRIOR TO ENERGIZING EQUIPMENT.
 - B. THE CONTACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERTINENT INFORMATION NECESSARY IN ORDER TO PERFORM THE REQUIRED SHORT CIRCUIT, PROTECTIVE DEVICE COORDINATION AND ARC FLASH STUDIES TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
 1. FIELD INVESTIGATION TO DETERMINE THE SHORT CIRCUIT CURRENT RATING FOR ANY EXISTING ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT ELECTRICAL CHARACTERISTICS FOR ALL PROPOSED NEW ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT.
 - C. THE CONTRACTOR SHALL PROVIDE APPROVED PERMANENT LABELS FOR ALL ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT TO CLEARLY IDENTIFY THE AVAILABLE SHORT CIRCUIT CURRENT AND ARC FLASH ENERGY LEVELS AND REQUIRED PPE (PERSONAL PROTECTIVE EQUIPMENT).

2 ONE-LINE DIAGRAM - NEW
SCALE: NONE

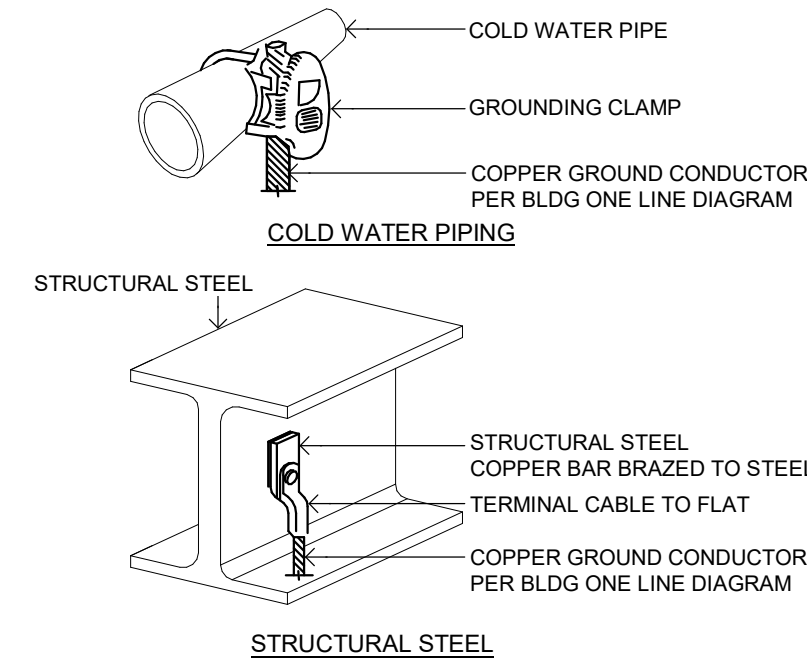
FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
6/27/2024 16:00:32

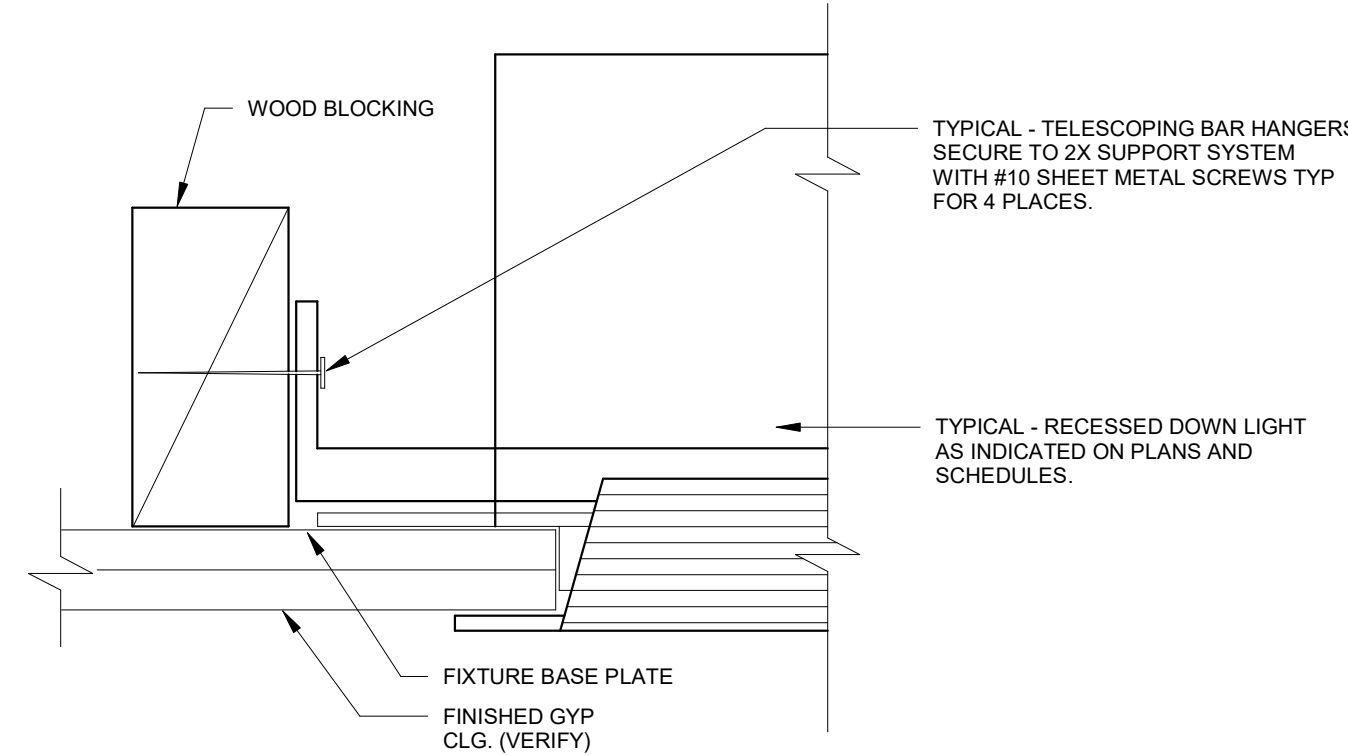
DATE	BY	DESCRIPTION



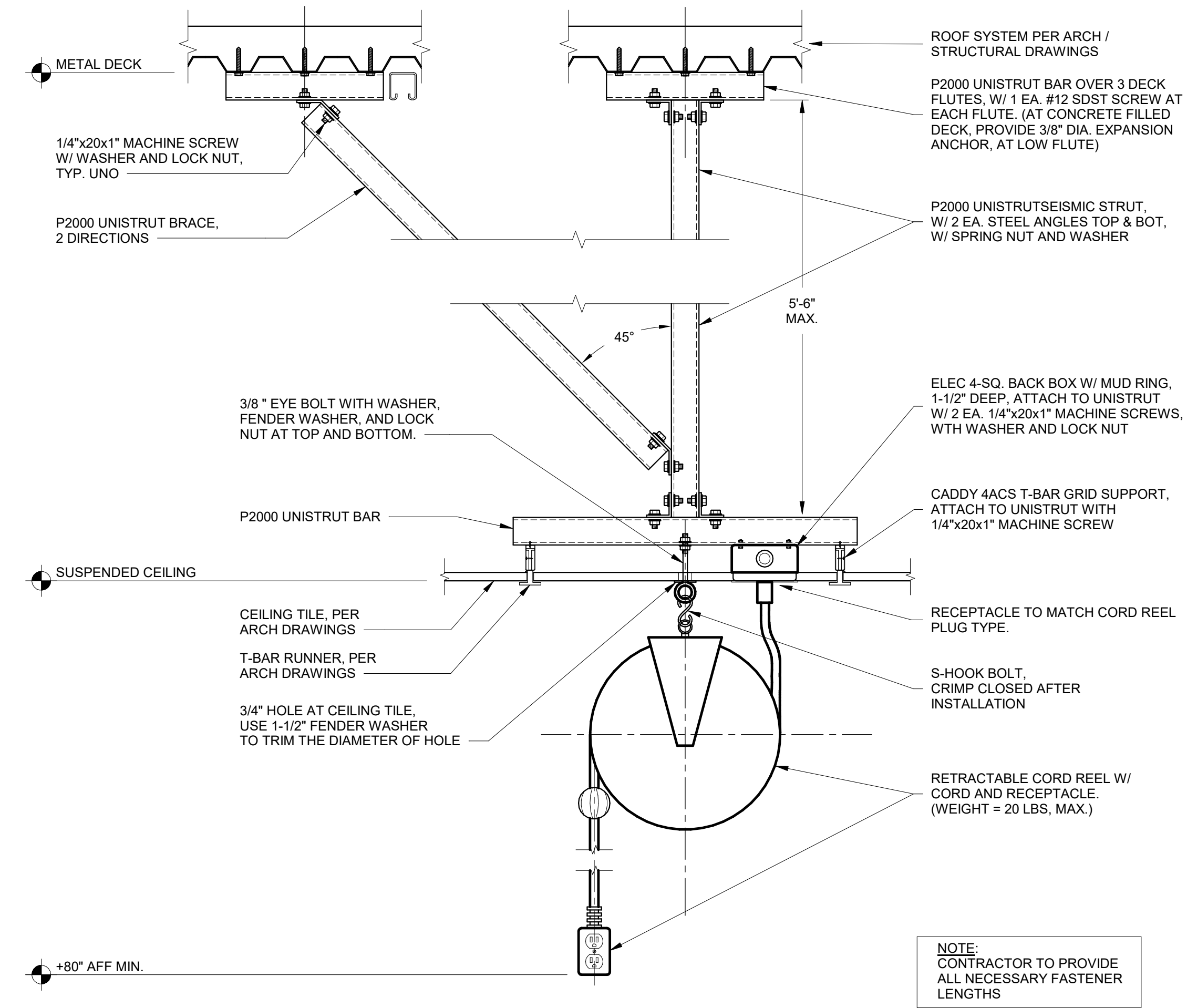
4 WALL-CLG MTD LT FIXT WOOD FRAMING
SCALE: NONE



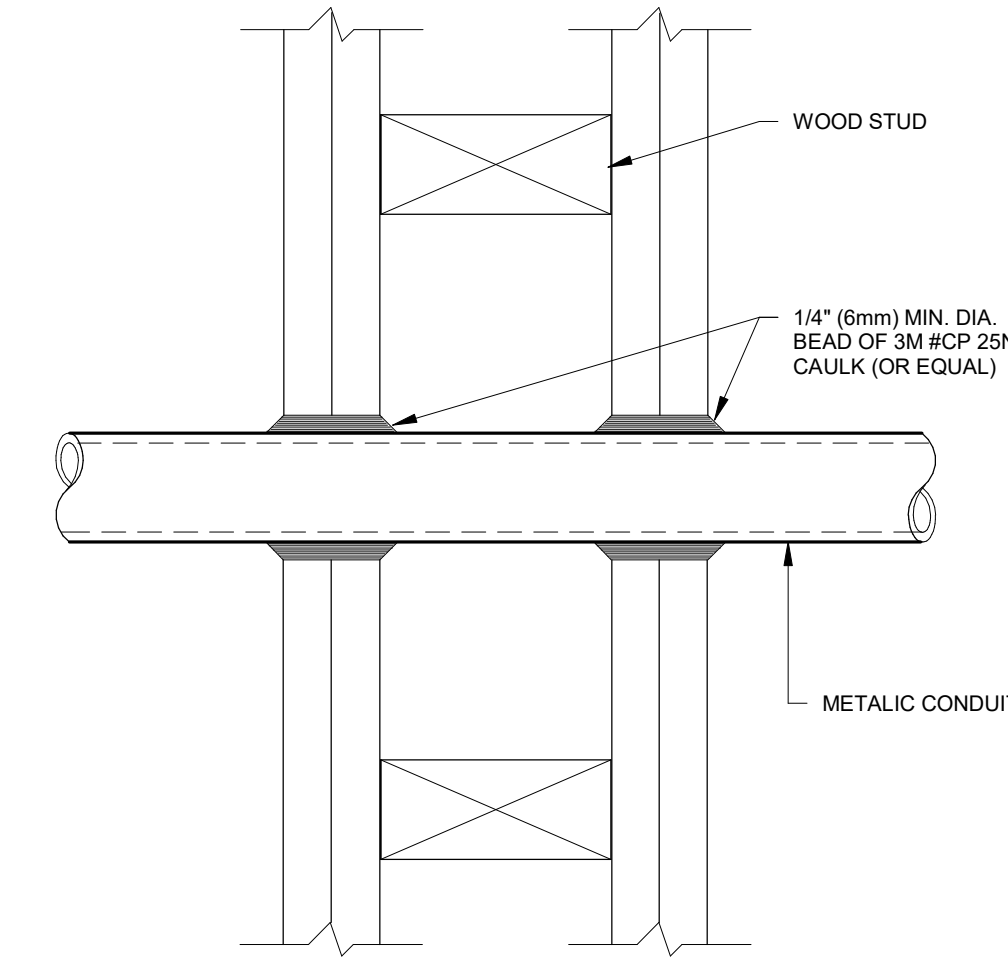
5 GROUNDING CONNECTION METHODS DETAIL
SCALE: NONE



6 RECESSED LIGHT FIXTURE WOOD FRAMING
SCALE: NONE



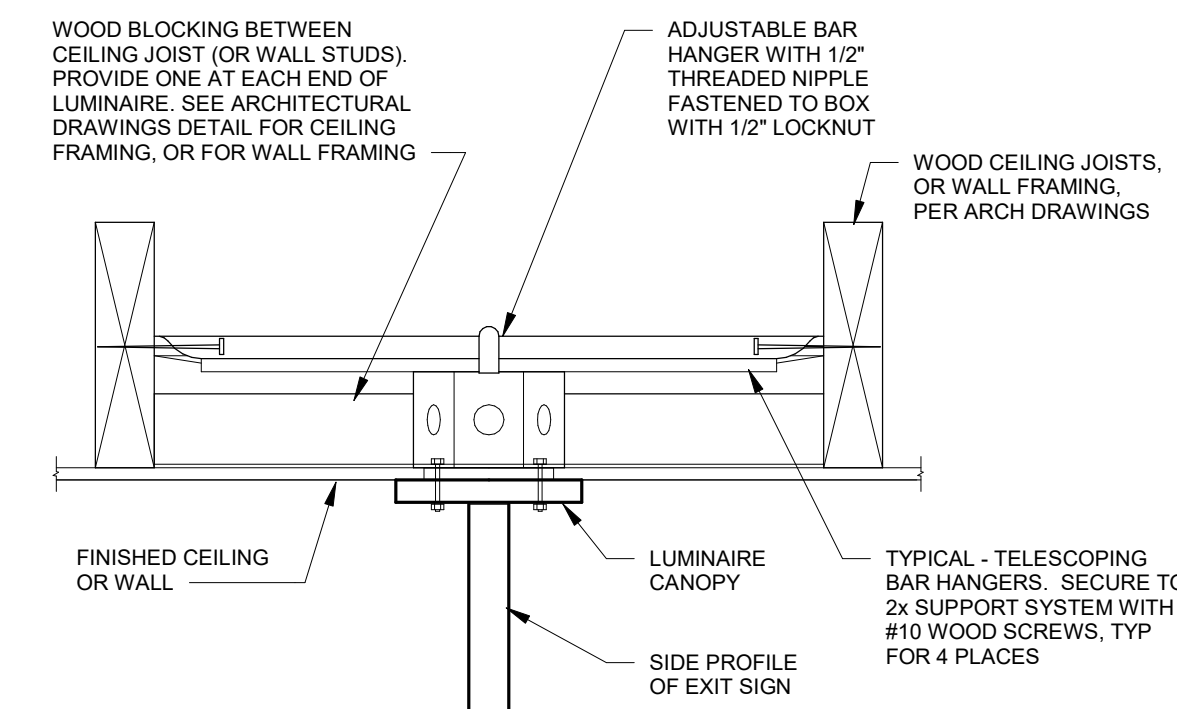
1 CORD DROP RECEPTACLE ABOVE TABLE DETAIL
SCALE: 1/8" = 1'-0"



WOOD STUD WALL

- NOTES:**
1. THE CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
 2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
 3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm).
 4. INSTALL 3M FIRESTOP ON BOTH SIDES OF THE WALL.
 5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL 1479) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #WL1001.

2 CONDUIT PENETRATION FIRESTOP DETAIL - WOOD FRAMING
SCALE: NONE



3 EXIT SIGN MOUNTING DETAIL
SCALE: NONE

REGISTERED PROFESSIONAL ENGINEER
ARMI S. ZEIDAN
No. E 16762
Exp. 9-30-24
ELECTRICAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
RUHNAU CLARKE
No. A 12126
Exp. 10-31-25
ARCHITECT
STATE OF CALIFORNIA

AGENCY APPROVAL
19-NOV-2024-*****

MEP & FS / Sustainability / C&A
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpeengineers.com
Job #: 23-2287

CONSULTING ENGINEERS

CONSULTANT BRANDING

RUHNAU CLARKE ARCHITECTS

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
6/27/2024 16:00:42

DATE	BY	CHKD BY	REV

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 3751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

ELECTRICAL DETAILS

ED-1.1

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

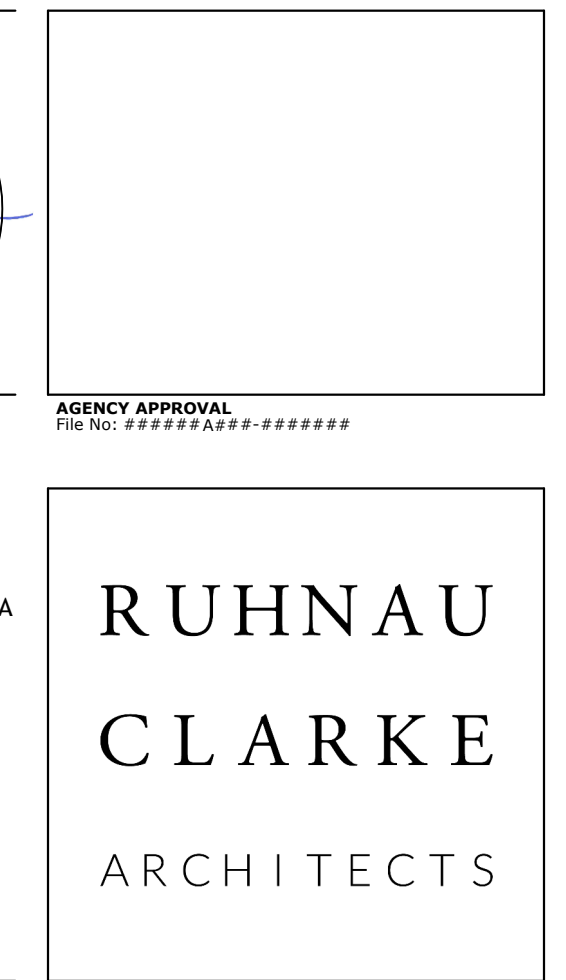
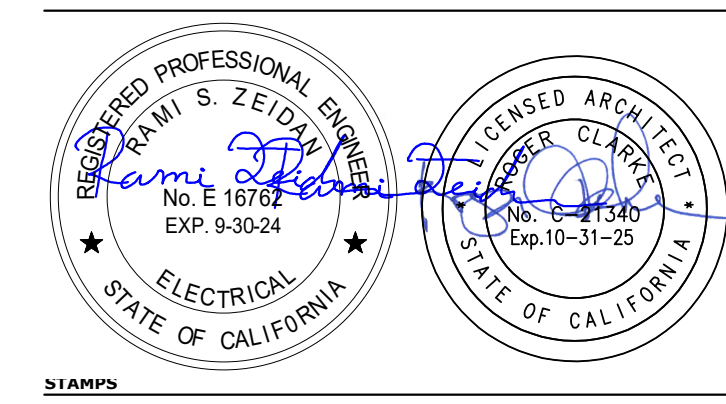


Table with 4 columns: SYMBO, DESCRIPTIONS, SYMBO, DESCRIPTIONS. Lists fire alarm abbreviations and symbols such as NFPA, NAC, NPU, NTS, PAP, PB, (R), (RC), (RD), (RL), (RR), SCC, SLC, SMK, SUPV, TOS, TRBL, TS, TYP, UNO, VCC, VT, W, W/O, WF, WG, WP, (X), XFMR.

FIRE ALARM GENERAL NOTES. 1. THE INTENT OF THESE DRAWINGS AND/OR SPECIFICATIONS DESCRIBE A COMPLETE, FUNCTIONING FIRE ALARM SYSTEM... 2. LOCATIONS OF EXISTING EQUIPMENT AND DEVICES SHOWN ON THESE PLANS ARE BASED ON AVAILABLE AS-BUILT PLANS... 3. CONTRACTOR SHALL SUBMIT ANY ALTERATIONS OF THE APPROVED CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR AND OWNER FOR NEW APPROVALS...

EQUIPMENT ANCHORAGE NOTES. APPLICABLE CODE: 2022 CBC. MEP COMPONENT ANCHORAGE NOTE. ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS...

FIRE ALARM DEVICE LEGEND. Table with columns: SYMBOL, QTY, EXISTING, MANUFACTURER, PART NO, DESCRIPTION, CSFM. Lists devices like fire alarm pull stations, strobes, and speakers with their quantities and specifications.

FIRE ALARM GENERAL DEMO NOTES. 1. ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEY AND ARE SHOWN FOR CLARITY... 2. EXISTING FIRE ALARM SYSTEM SHALL REMAIN ACTIVE UNTIL CONSTRUCTION IS COMPLETED...

FIRE ALARM GENERAL DEMO NOTES (continued). 3. FIRE WATCH IN CONFORMANCE WITH THE CALIFORNIA FIRE CODE SHALL BE PROVIDED AT THE DIRECTION OF THE CONTRACTOR FOR EVERY OFF-LINE BUILDING... 4. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT...

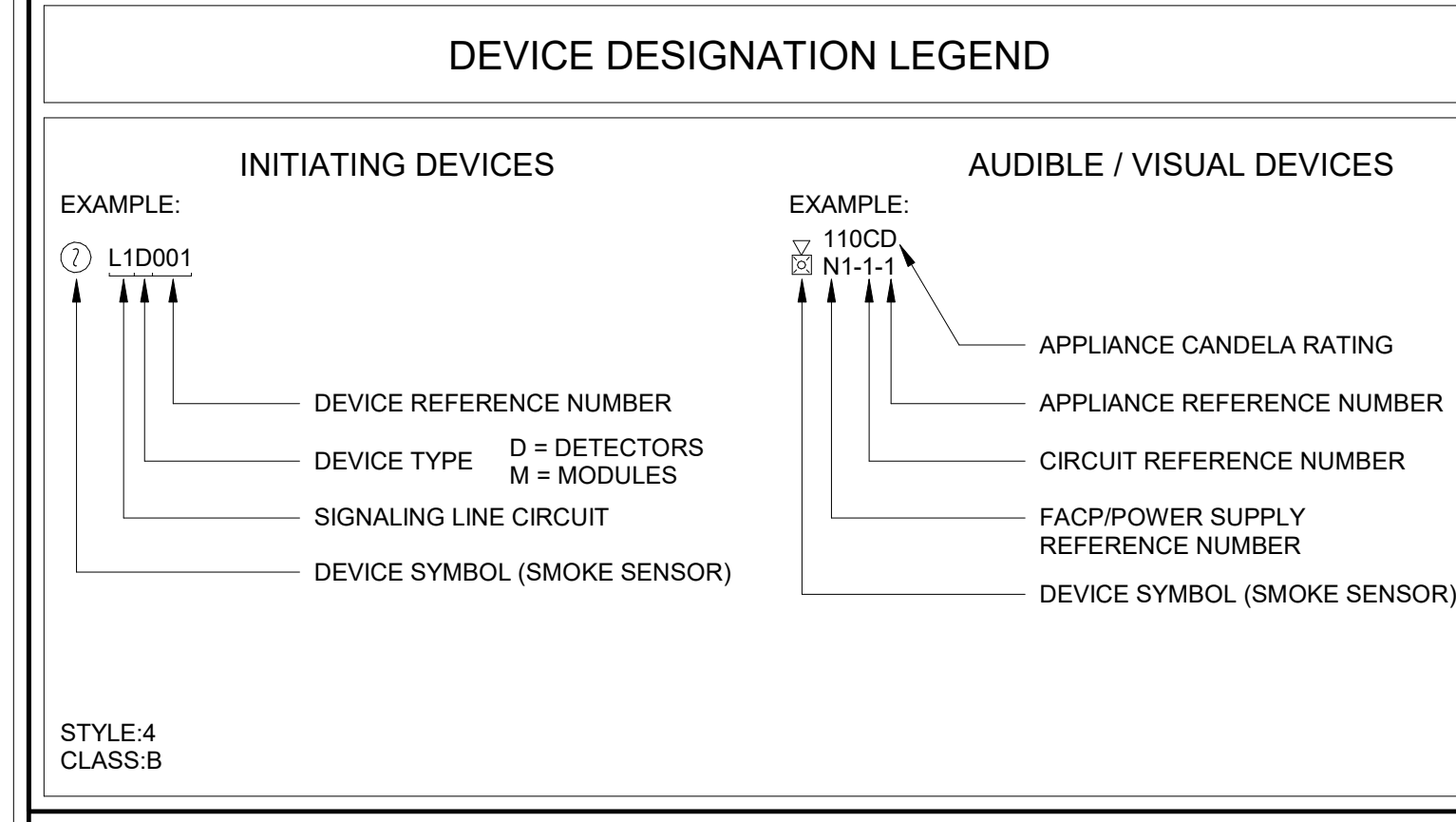
PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES. APPLICABLE CODE: 2022 CBC. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS 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.

GOVERNING CODES & APPLICABLE STANDARDS. 1. 2022 CALIFORNIA BUILDING STANDARD ADMINISTRATIVE CODE (CAC), (PART 1, TITLE 24, CCR). 2. 2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR), (2021 EDITION INTERNATIONAL BUILDING CODE AMENDMENTS).

GOVERNING CODES & APPLICABLE STANDARDS (continued). 3. 2022 CALIFORNIA ELECTRICAL CODE, (PART 3, TITLE 24, CCR), (2020 EDITION NATIONAL ELECTRICAL CODE WITH 2022 CALIFORNIA AMENDMENTS). 4. 2022 CALIFORNIA MECHANICAL CODE (CMC), (PART 4, TITLE 24, CCR), (2021 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS).

FIRE ALARM CABLE SCHEDULE. Table with columns: TYPE, DESCRIPTION, JACKET, SERVES, ENVIRONMENT, NOTES. Lists cable types like 2#16 UTP, 2#14 STP, 2#16 STP, 2#16 UTP, 4#16 UTP, 2#14 UTP, 4#16 UTP, 2#14 UTP, 2#16 UTP.

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS. 1. 2022 CBC, CHAPTER 35. 2. 2022 CFC, CHAPTER 80. 3. 2022 NFPA 72, AS AMENDED.



NOTES. 1. ALL CONDUCTORS SHALL BE COPPER AND SOLID - STRANDED CONDUCTOR IS NOT ACCEPTABLE. 2. MINIMUM CONDUIT SIZE IS 3/4" - CONCEALED IN CEILING SPACE OR APPROPRIATE WALLS. 3. ALL SURFACE ROUTED RACEWAYS SHALL BE WIREMOLD OR APPROVED EQUAL.

CABLE ABBREVIATIONS. STP: SHIELDED TWISTED PAIR; SLC: SIGNAL LINE CIRCUIT; NAC: NOTIFICATION APPLIANCE CIRCUIT; IDC: INITIATE DEVICE CIRCUIT; PA: PUBLIC ADDRESS; UTP: UNSHIELDED TWISTED PAIR; WP: WEST PENN (CABLE MANUFACTURER).

SCOPE OF WORK AND BUILDING INFORMATION. 1. PROVIDE AND EXPAND EXISTING FIRE ALARM SYSTEM FOR MODERNIZATION OF EXISTING BUILDING 'C' KITCHEN. (1) ALL GENDER RESTROOMS, (1) GIRLS RESTROOM AND (1) BOYS RESTROOM. OCCUPANCY CLASSIFICATION: E. TYPE OF CONSTRUCTION: V-B. NUMBER OF STORIES: 1 STORY.

FIRE ALARM SHEET INDEX. Table with columns: SHEET NUMBER, SHEET NAME. Lists sheets FA-0.1 through FA-0.9.

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX 6/27/2024 3:43:23 PM

Table with columns: DRAWN BY, CHECKED BY, DATE, and revision status (ADD, APO, AFO, CDD, REV).

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

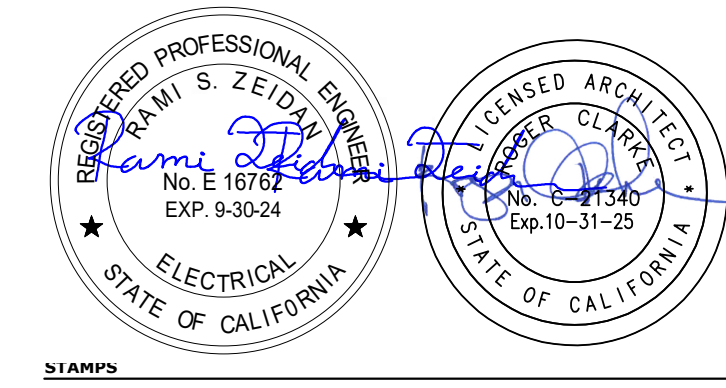
FIRE ALARM LEGEND AND NOTES

FA-0.1

3775 TERRY STREET, RIVERSIDE CALIFORNIA 92505 (951) 684-4664 / 3751 PALMER WAY, SUITE C, CALSBAND CALIFORNIA 92010 (760) 438-9899

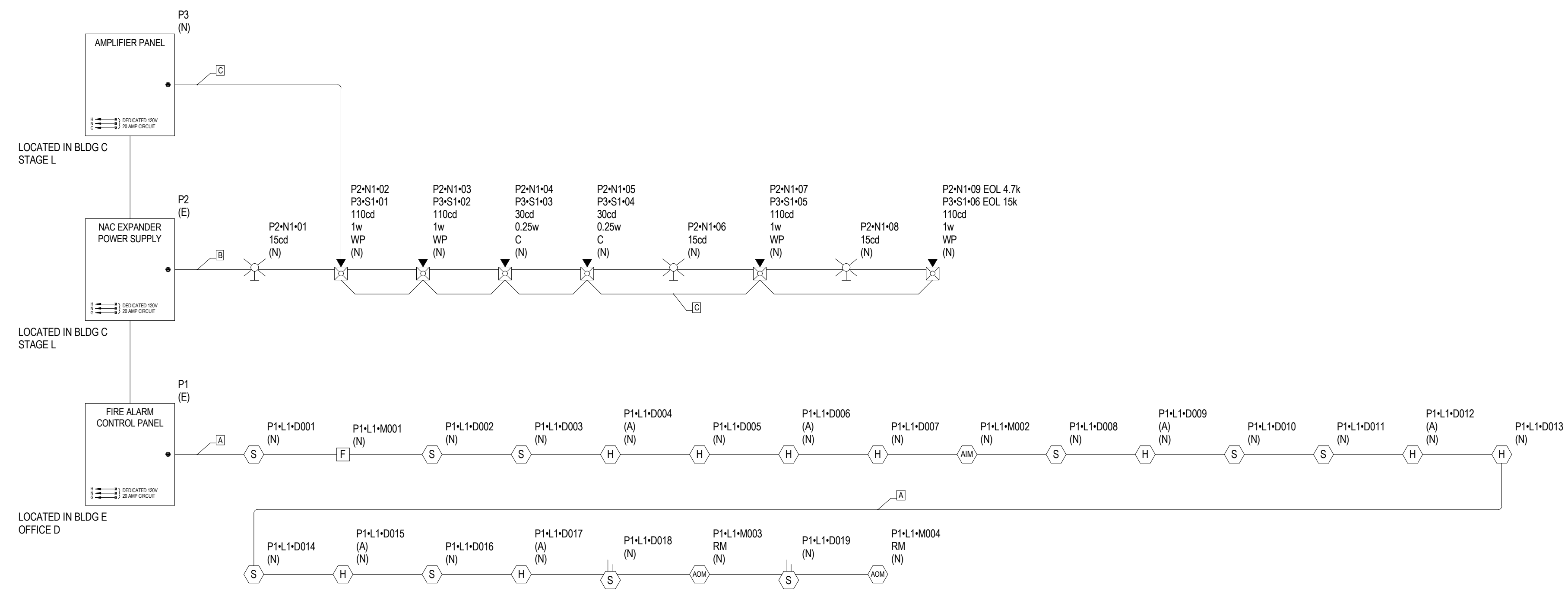
MADISON ELEMENTARY SCHOOL 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660 TWIN RIVERS UNIFIED SCHOOL DISTRICT

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 www.lpeengineers.com
 Job #: 23-2287

**RUHNAU
 CLARKE**
 ARCHITECTS



1 FIRE ALARM RISER DIAGRAM AND BATTERY CALCULATIONS
 SCALE: 1/8" = 1'-0"

PANEL P1 (MS-9600DLS) BATTERY CALCULATION								
PANEL POWER SUPPLY MAX CURRENT = 7A				TOTAL USED CAPACITY (IN ALARM) = 0.4425A (6.32%)				
SECONDARY POWER SOURCE REQUIREMENTS				STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)		
PANEL COMPONENTS	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL	
	1	MS-9600DLS Main Board	Intelligent Addressable FACP with Optional 2nd Loop, DACT-UD2 Main Board	0.103	.103	0.253	.253	
CIRCUIT	SYMBOL	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
P1-L1	F	1	BG-12LX	Addressable manual pull station with interface module mounted inside	0.000375	.000375	0.005	.005
	RM	2	CRF-300	Addressable relay module containing two isolated sets of Form-C contacts, which operate as a DPDT switch. Mounts directly to a 4.0" (10.16 cm) back surface mount using the SMB500.	0.000255	.00051	0.0065	.013
	D	2	DNRW	Watertight intelligent non-relay photoelectric low flow dust smoke detector housing. Includes SD365RA-IV detector	0.0002	.0004	0.0045	.09
	H	3	H365 w/B300-6	White, Low-profile 135°F fixed thermal sensor, Standard Base	0.0002	.0006	0.0045	.0135
	H	6	H365HT w/B300-6	White, Low-profile 190°F fixed thermal sensor, Standard Base	0.0002	.0012	0.0045	.027
	AM	1	MMF-300	Addressable Module W/ FlashScan, Supervised Class A or Class B of Dry Contact	0.000375	.000375	0.005	.005
	S	8	SD365 w/B300-6	White, Addressable photoelectric detector, Standard Base	0.0002	.0016	0.0045	.036
					TOTAL STANDBY (A)	1.0806	TOTAL ALARM (A)	.4425
				REQUIRED STANDBY TIME = 24 HOURS				
				REQUIRED ALARM TIME = 15 MINUTES				
SECONDARY STANDBY LOAD (A)				1.0806	24	2.59		
SECONDARY ALARM LOAD (A)				.4425	0.25	.11		
STANDBY AND ALARM SUBTOTAL (AMP HOURS)				2.7				
DERATING FACTOR				1.25				
SECONDARY LOAD REQUIREMENTS (AMP HOURS)				3.38				
PROVIDE (2) 12V 7AH BATTERIES								
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.								

PANEL P2 (FL-PS10 WZAC-PS) BATTERY CALCULATION								
PANEL POWER SUPPLY MAX CURRENT = 10A				TOTAL USED CAPACITY (IN ALARM) = 1.315A (13.15%)				
SECONDARY POWER SOURCE REQUIREMENTS				STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)		
PANEL COMPONENTS	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL	
	1	FL-PS10 MAIN BOARD	Fire Alarm Power Supply Main Board	0.156	.156	0.185	.185	
	1	ZNAC-PS	Optional Class A converter card	0.135	.135	0.142	.142	
CIRCUIT	SYMBOL	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
P2-N1	C	2	SPSCWL	Speaker/Strobe Ceiling Mount, White 30cd	0	0	0.063	.126
	WP	4	SPSRK	Outdoor Speaker Strobe, Standard of 110cd	0	0	0.202	.808
	X	3	SWLED	Strobe, Wall, White 15cd	0	0	0.018	.054
				TOTAL STANDBY (A)	.291	TOTAL ALARM (A)	.315	
				REQUIRED STANDBY TIME = 24 HOURS				
				REQUIRED ALARM TIME = 15 MINUTES				
SECONDARY STANDBY LOAD (A)				291	24	6.98		
SECONDARY ALARM LOAD (A)				.315	0.25	.33		
STANDBY AND ALARM SUBTOTAL (AMP HOURS)				7.31				
DERATING FACTOR				1.25				
SECONDARY LOAD REQUIREMENTS (AMP HOURS)				9.14				
PROVIDE (2) 12V 12AH BATTERIES								
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.								

P2 N1 WLP SUM REPORT				CIRCUIT SETTINGS		TOTALS	
				Starting Calculation Voltage:	20.4	Max. Voltage Drop:	.18
				Min. Operational Voltage:	16	End Of Line Voltage:	\$ 22
				Max. Circuit Current (A):	3	Voltage Drop Percent:	5.77%
				Wire Resistance (DkFt):	3.07	Total Circuit Current (A):	.888
				Total Circuit Length (Ft):	194	Spare Current (A):	2.812
				Total Circuit Resistance (Ohm):	1.91634	Spare Current (A) Percent:	67.07%
Symbol	Part No.	Description	Qty	Device Current (A)	Total Current (A)		
X	SWLED	Strobe, Wall, White 15cd	3	0.018	.054		
C	SPSCWL	Speaker/Strobe Ceiling Mount, White 30cd	2	0.063	.126		
WP	SPSRK	Outdoor Speaker Strobe, Standard of 110cd	4	0.202	.808		

Calculation Methods:
 Total Resistance (Ohm) = Wire Resistance (DkFt) x 2 x Total Circuit Length (Ft)
 Total Voltage Drop = Total Resistance (Ohm) x Total Circuit Current (A)

PANEL P3 (ECC-50DA (50W, 70V)) BATTERY CALCULATION								
SECONDARY POWER SOURCE REQUIREMENTS				STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)		
PANEL COMPONENTS	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL	
	1	ECC-50DA Main Board (50W, 70V)	Main Board for ECC-50DA	0.1	.1	0.58	.58	
	1	ECC-CE4 (70V)	Speaker Circuit/Zone Expander Module	0.02	.02	0.18	.18	
CIRCUIT	SYMBOL	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
P3-S1	C	2	SPSCWL	Speaker/Strobe Ceiling Mount, White 0.25w	0	0	0	0
	WP	4	SPSRK	Outdoor Speaker Strobe, Standard of 1w	0	0	0	0
				TOTAL STANDBY (A)	.12	TOTAL ALARM (A)	.76	
				REQUIRED STANDBY TIME = 24 HOURS				
				REQUIRED ALARM TIME = 15 MINUTES				
SECONDARY STANDBY LOAD (A)				12	24	2.88		
SECONDARY ALARM LOAD (A)				.76	0.25	.19		
STANDBY AND ALARM SUBTOTAL (AMP HOURS)				3.07				
DERATING FACTOR				1.25				
SECONDARY LOAD REQUIREMENTS (AMP HOURS)				3.84				
PROVIDE (2) 12V 7AH BATTERIES								
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.								

2 FIRE ALARM BATTERY CALCULATIONS
 SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

PROJECT No.: X-XX-XX
 6/27/2024 3:43:24 PM

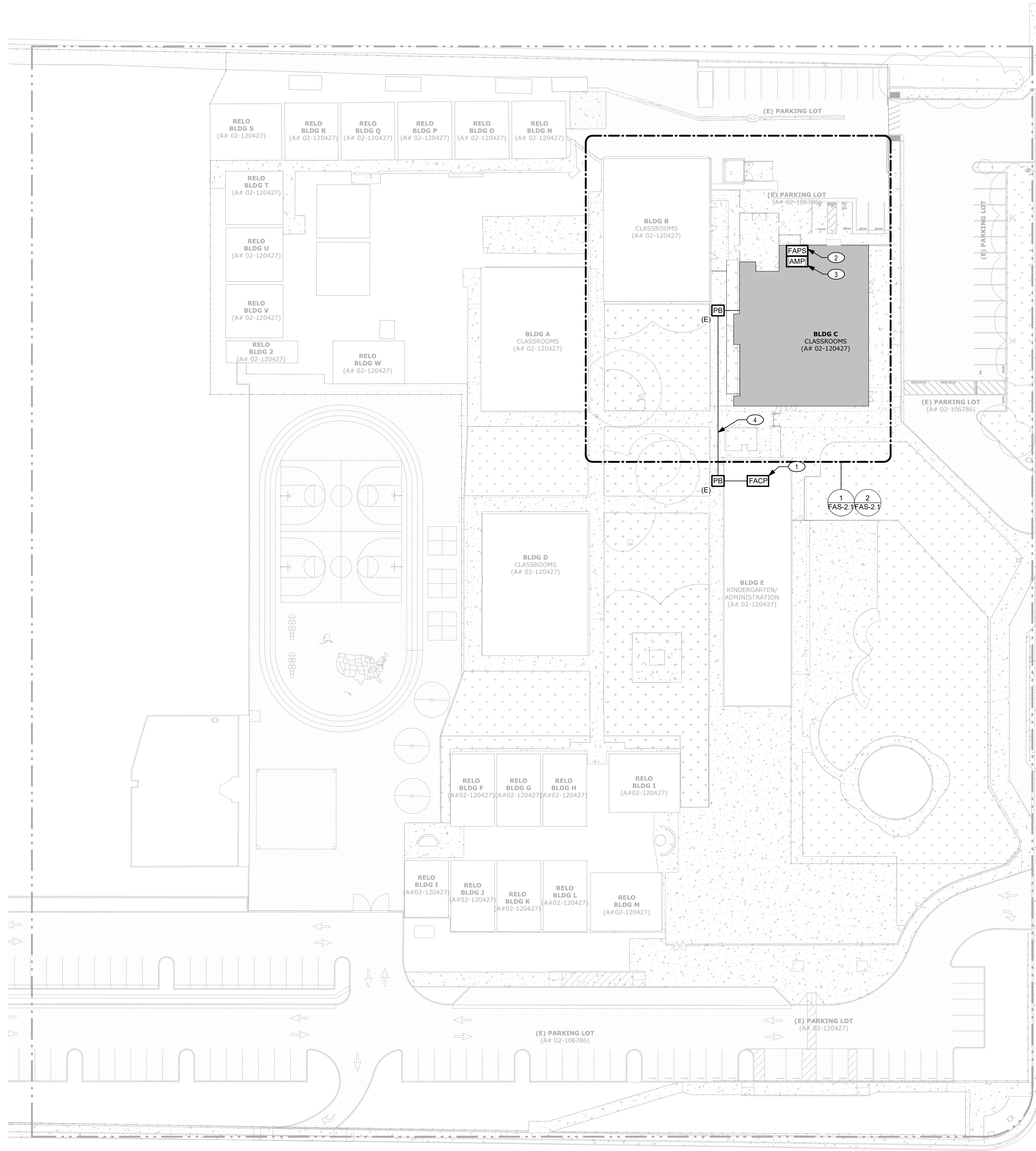
RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**FIRE ALARM RISER
 DIAGRAM AND
 CALCULATIONS**

FA-0.2

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

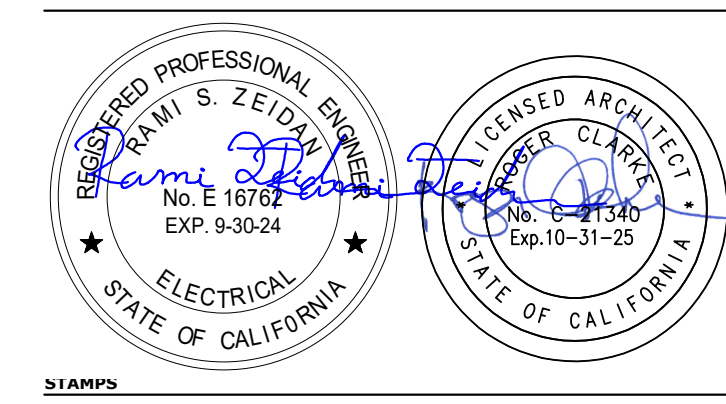


GENERAL NOTES

- FIELD VERIFY ALL EXISTING CONDITIONS, PRIOR TO ANY WORKS, AND REPORT TO ENGINEERS ANY DISCREPANCIES.
- UNDERGROUND CONDUITS SHALL BE SCH-40 PVC.
- ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEY AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
- EXISTING FIRE ALARM SYSTEM SHALL REMAIN ACTIVE UNTIL CONSTRUCTION IS COMPLETED, CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING FIRE ALARM SYSTEMS AND/OR OTHER EXISTING FACILITY'S SYSTEMS AND SERVICES AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWNS. SHUTDOWN WORK SHALL BE PERFORMED AFTER THE NORMAL OPERATION HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE.
- FIRE WATCH IN CONFORMANCE WITH THE CALIFORNIA FIRE CODE SHALL BE PROVIDED AT THE DIRECTION OF THE CONTRACTOR FOR EVERY OFF-LINE BUILDING. THE SCHOOL SHALL ASSIST WITH FIRE WATCH ACTIVITIES DURING SCHOOL HOURS AND WHENEVER THE CAMPUS IS OCCUPIED BY STUDENTS, TEACHERS AND STAFF. THE CONTRACTOR SHALL PROVIDE ALL FIRE WATCH ACTIVITIES AFTER SCHOOL HOURS AND WHENEVER THE CAMPUS IS NOT OCCUPIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING ALL FIRE WATCH LOGS.
- ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER'S REPRESENTATIVE ARE DEEM SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER. ALL FIRE ALARM MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED BY THE CONTRACTOR ACCORDINGLY.
- WHERE REMOVAL OF AN EXISTING SYSTEMS DEVICE WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RECONNECTED TO PROVIDE SERVICE TO ALL REMAINING DEVICES. IF SITE CONDITIONS MAKE RECONNECTION IMPOSSIBLE, CONNECTION SHALL BE MADE FROM AN ADJACENT AVAILABLE DEVICE AS NOTED AND/OR AS DIRECTED BY THE ARCHITECT AND/OR THE OWNER'S REPRESENTATIVE.
- WHEREVER EXISTING DEVICES, PANELS, CONDUITS, CABLES, ETC., CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS AS DIRECTED BY THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE AND REPAIR ALL SURFACES.
- COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.
- WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - a. REMOVE ALL WIRE AND CABLE.
 - b. REMOVE ALL DEVICES AND EQUIPMENT.
 - c. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - d. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.

KEY NOTES

- (E) MAIN CAMPUS FIRE ALARM CONTROL PANEL LOCATED AT ADMIN OFFICE.
- (E) POWER SUPPLY PANEL.
- (N) AMPLIFIER PANEL.
- (E) CONDUIT RUN ON CANOPY. FIELD VERIFY EXACT LOCATION OF UNDER-CANOPY PULL BOX TO ROUTE THROUGH. (TYP. U.N.O.)



LP CONSULTING ENGINEERS
 MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-771-0778
 www.lpeengineers.com
 Job #: 23-2287

RUHNAU CLARKE ARCHITECTS

FOR REFERENCE ONLY

FIRE ALARM OVERALL SITE PLAN
 SCALE: 1/8" = 3'-0"

DATE	BY	REVISION

RUHNAUCLARKE.COM

KITCHEN UPGRADES AT MADISON E.S.

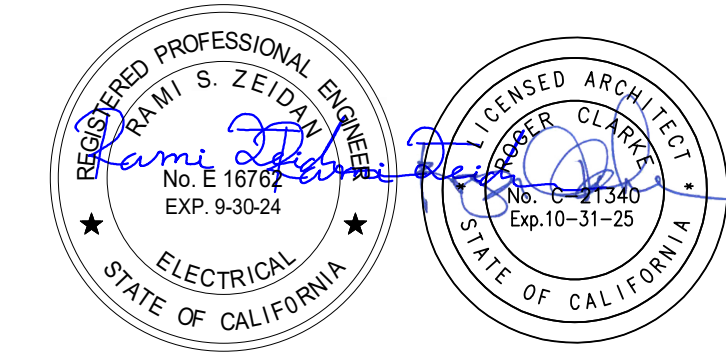
FIRE ALARM OVERALL SITE PLAN

FAS-1.1

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



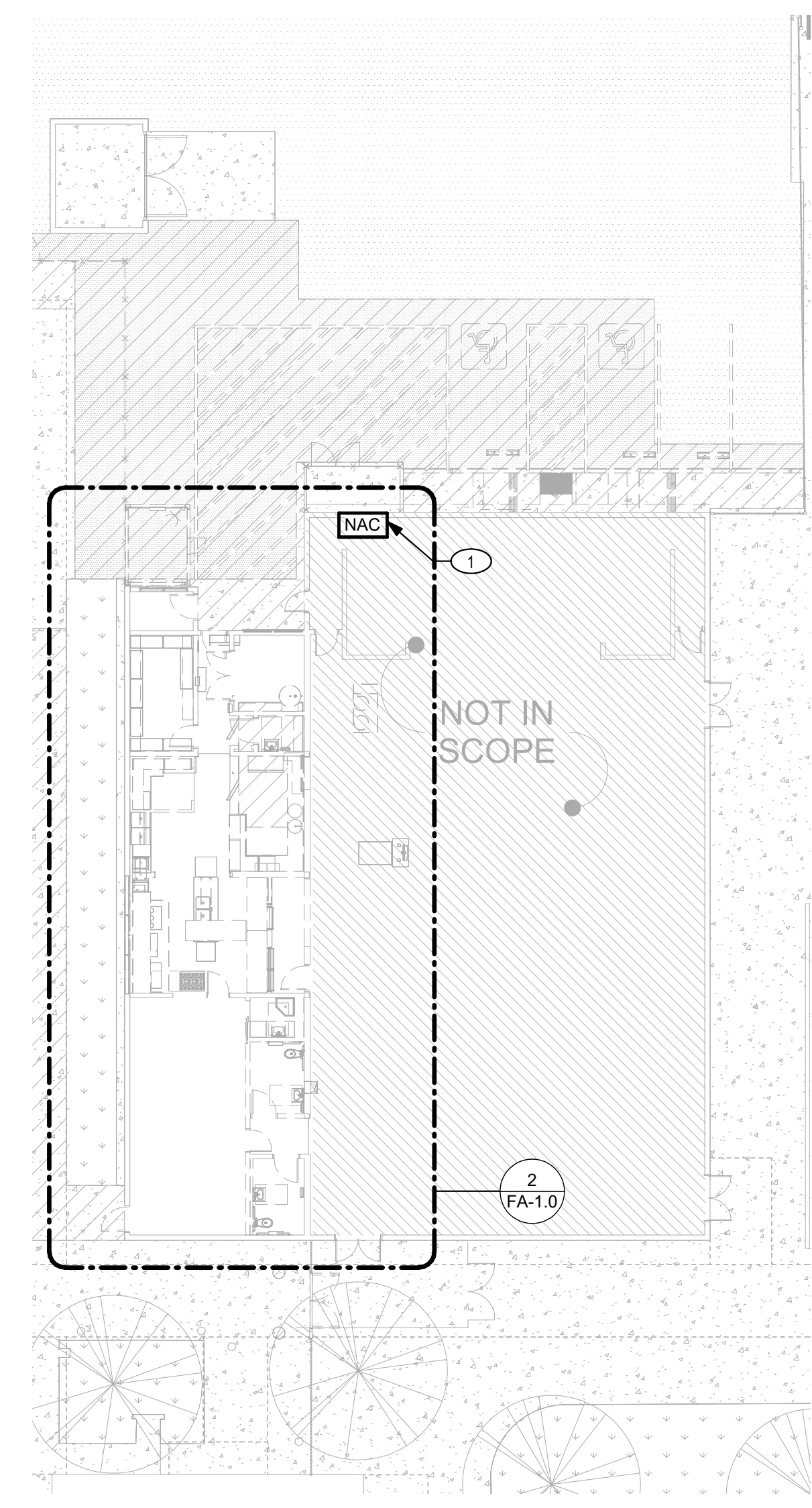
LP
 CONSULTING
 ENGINEERS
 MEP & FS / Sustainability / C&A
 1209 Pleasant Grove Blvd.
 Roseville, CA 95678
 p 916-774-0778
 www.lpengineers.com
 Job #: 25-2287

**RUHNAU
 CLARKE
 ARCHITECTS**

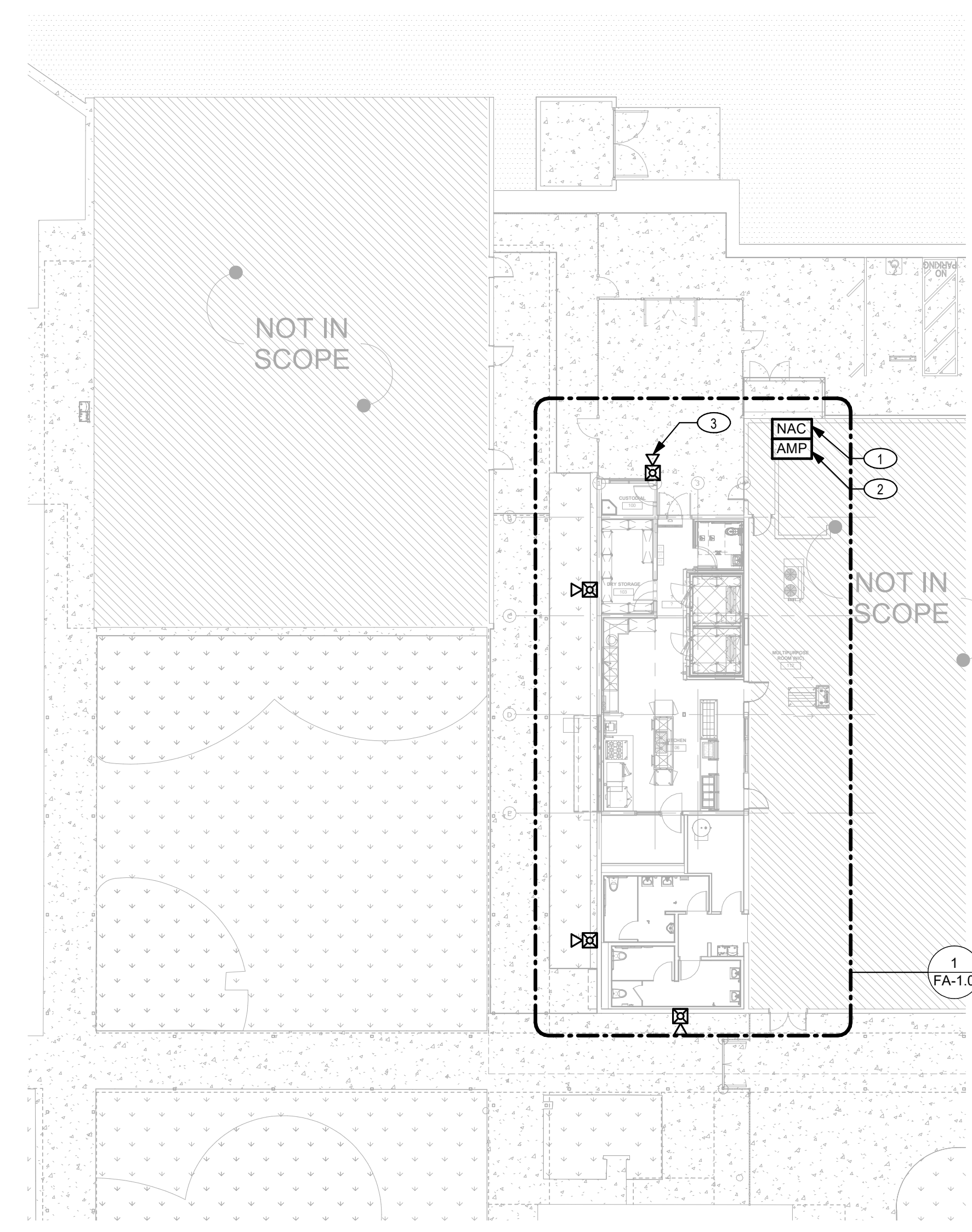
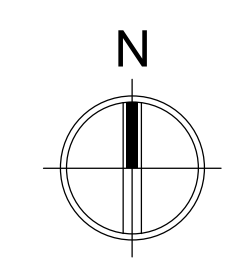
CONSULTANT BRANDING

KEY NOTES

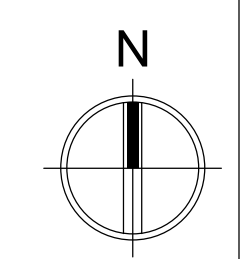
- 1 (E) POWER SUPPLY PANEL.
- 2 (N) AMPLIFIER PANEL.
- 3 (N) EXTERIOR WEATHER PROOF SPEAKER/STROBE (TYP.).



2 FIRE ALARM ENLARGED DEMO SITE PLAN
 SCALE: 1/16" = 1'-0"



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



FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
 6/27/2024 3:43:50 PM

DATE	BY	DESCRIPTION

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

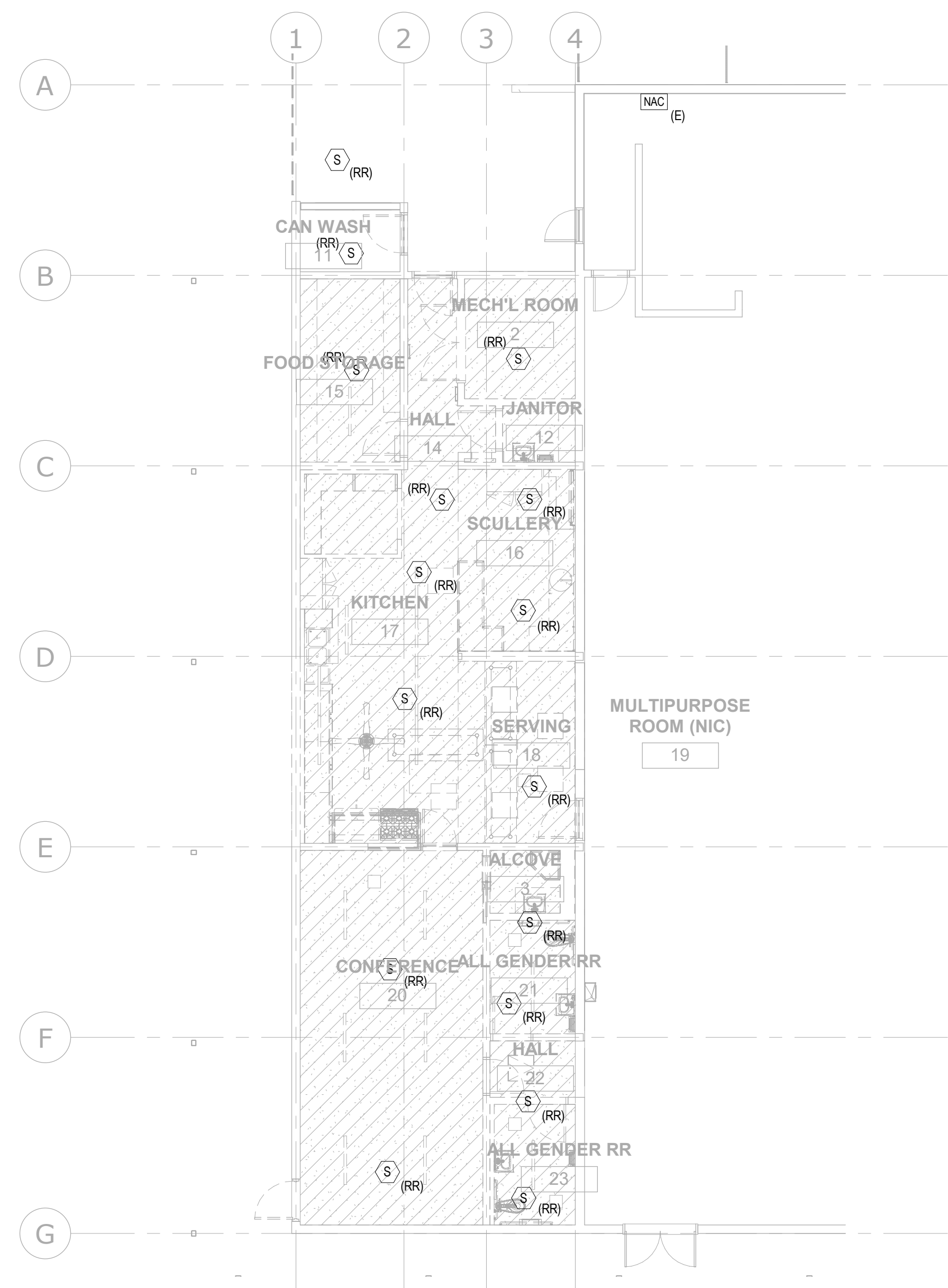
KITCHEN UPGRADES AT MADISON E.S.

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

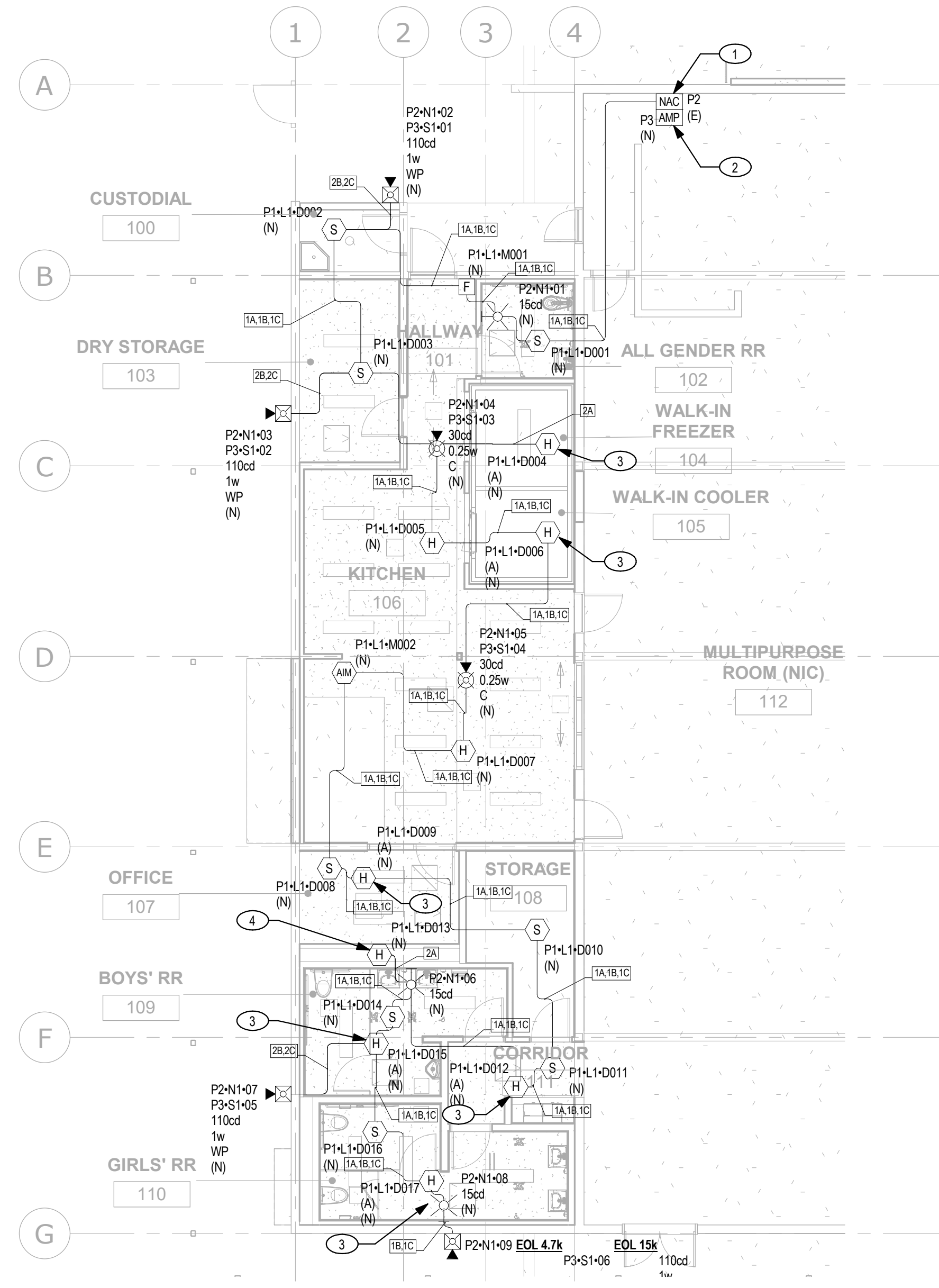
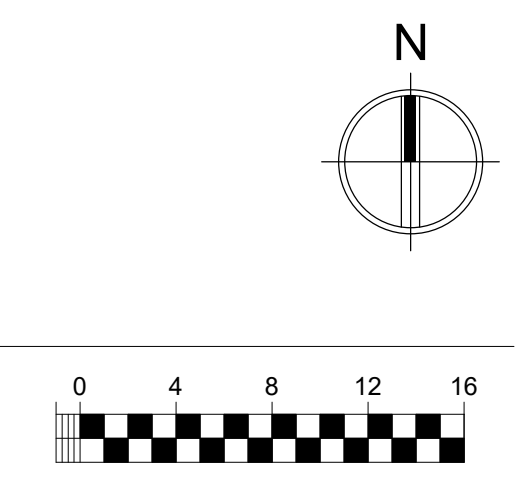
**FIRE ALARM
 ENLARGED DEMO &
 NEW SITE PLANS**

FAS-2.1

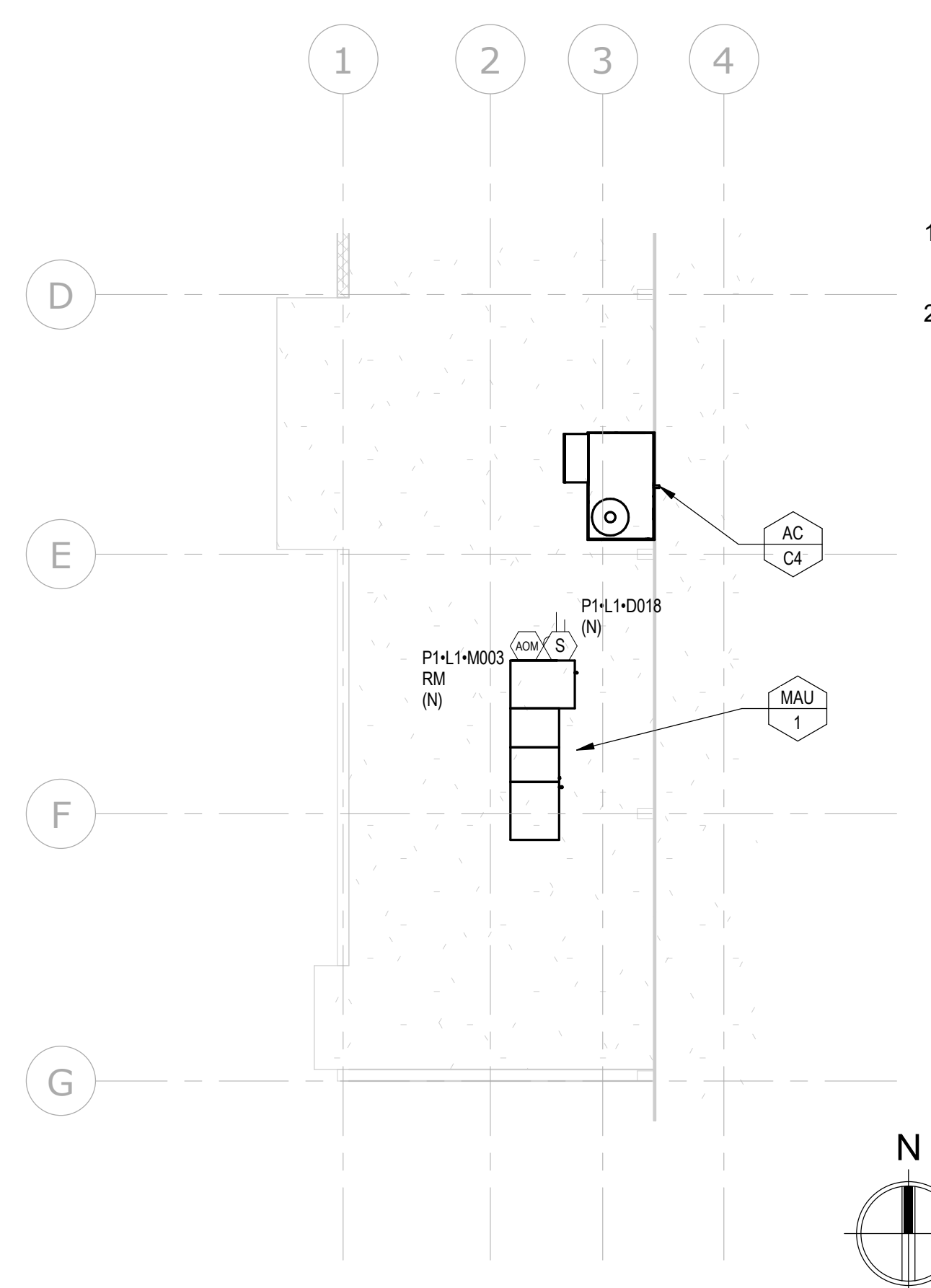
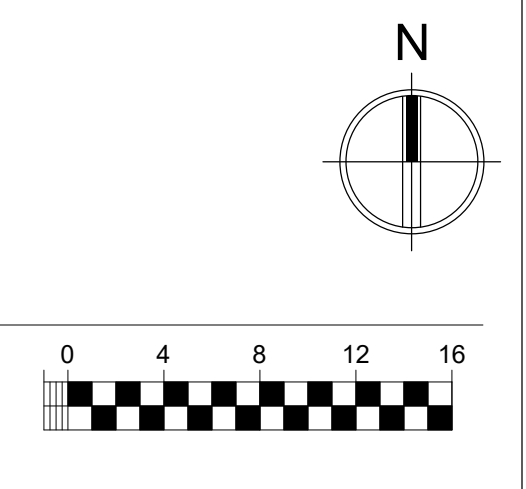
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT



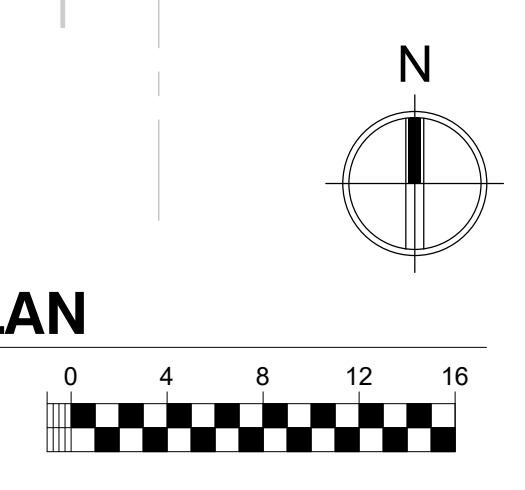
2 FIRE ALARM DEMO FLOOR PLAN
SCALE: 1/8" = 1'-0"



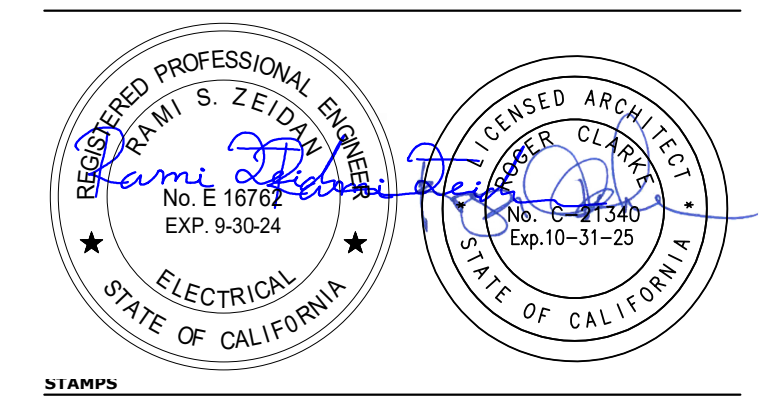
1 FIRE ALARM NEW FLOOR PLAN
SCALE: 1/8" = 1'-0"



3 FIRE ALARM NEW ROOF PLAN
SCALE: 1/8" = 1'-0"



- GENERAL NOTES**
1. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO ANY WORK, AND REPORT TO ENGINEERS ANY DISCREPANCIES.
 2. UNDERGROUND CONDUITS SHALL BE SCH-40PVC.



LP CONSULTING ENGINEERS
MEP & FS / Sustainability / C&A
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p. 916-774-0778
www.lpeengineers.com
Job #: 23-2287

RUHNAU CLARKE ARCHITECTS

- KEY NOTES**
- 1 (E) POWER SUPPLY PANEL.
 - 2 (N) AMPLIFIER PANEL.
 - 3 PROVIDE ACCESS PANEL TO SERVICE AND MAINTAIN ABOVE CEILING HEAT DETECTOR. REFERENCE ACCESS PANEL DETAIL 10/FAD-1.1
 - 4 PROVIDE ACCESS PANEL TO SERVICE AND MAINTAIN HEAT DETECTOR LOCATED IN THE PLUMBING CHASE. REFERENCE ACCESS PANEL DETAIL 10/FAD-1.1

FOR REFERENCE ONLY

PROJECT No. :X-XX-XX
6/27/2024 3:43:38 PM

DATE	BY	DESCRIPTION

RUHNAUCLARKE.COM
3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CALISRAD CALIFORNIA 92031 (760) 438-5899

KITCHEN UPGRADES AT MADISON E.S.
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

FIRE ALARM DEMO & NEW FLOOR PLANS
FA-1.0

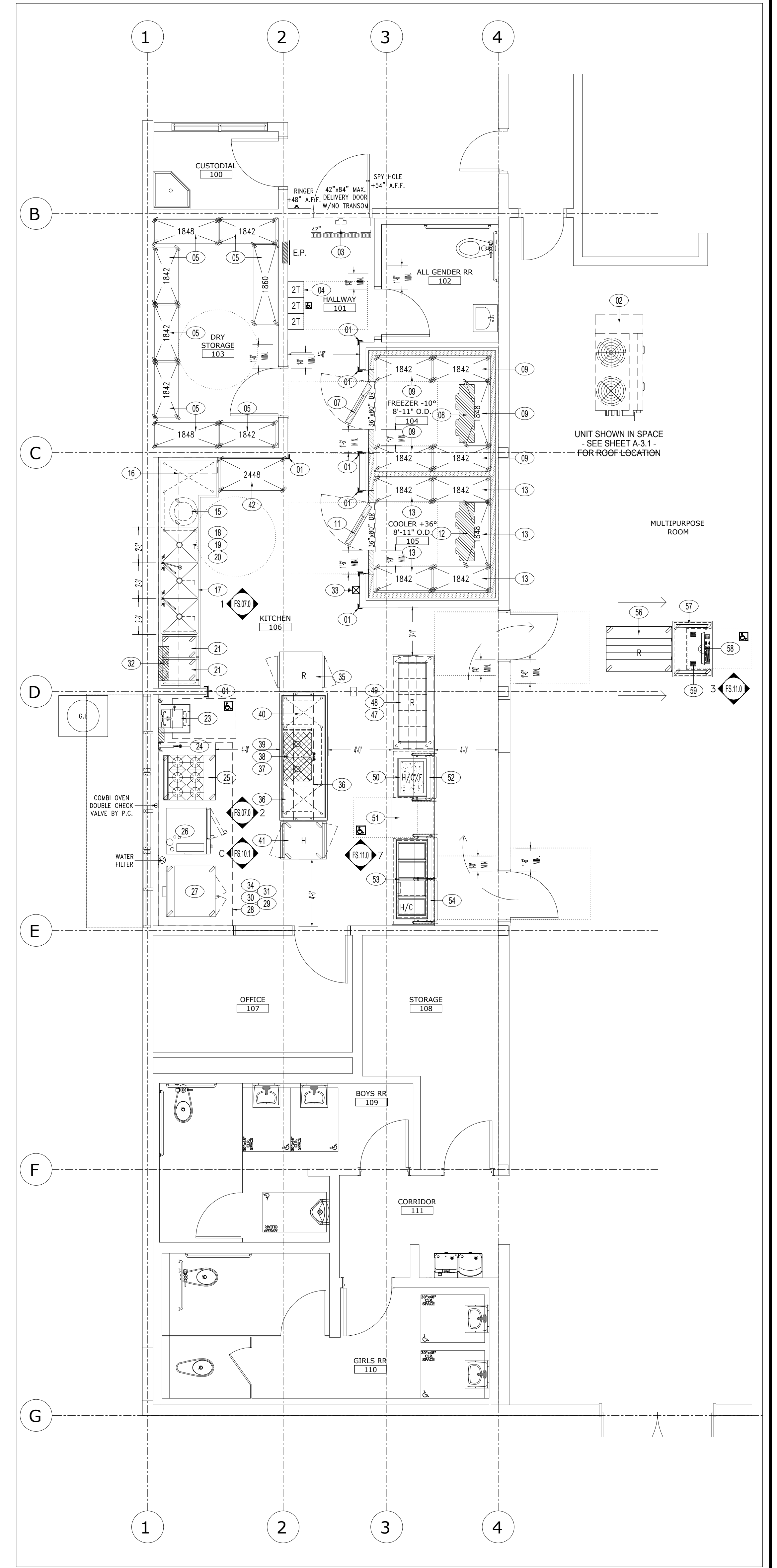
KITCHEN UPGRADES AT MADISON E.S.: 50% DESIGN DEVELOPMENT

NOTE: SEE SHEETS FS.02.0
FS.06.1 FOR ATTACHMENT DET.

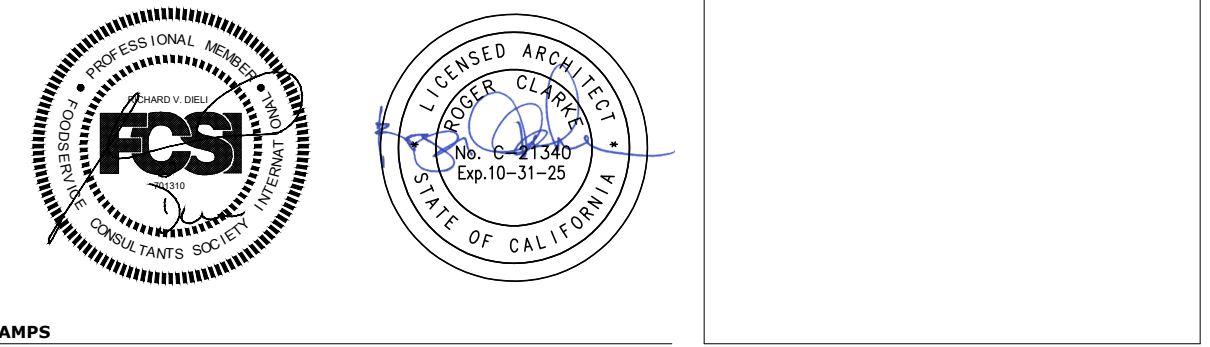
MADISON ELEMENTARY SCHOOL EQUIPMENT SCHEDULE

NOTE: SEE SHEET FS.02.0
FOR ABBREVIATION SCHEDULE

C.F.C.I.	O.F.C.I.	O.F.O.I.	ITEM	EQUIPMENT			ELECTRICAL				PLUMBING / MECHANICAL										
				DESCRIPTION	REMARKS	QTY	ATTACH	EQUIPMENT WEIGHT	VOLTS	HP	KVA	AMPS	PHASE	CONN.	ELECTRICAL REMARKS	HOT WATER	COLD WATER	WASTE	GAS	BTU 1000	PLUMBING/MECHANICAL REMARKS
			01.	CORNER GUARDS/WALL & END CAPS	CUSTOM STAINLESS STEEL	LOT	5														
			02.	AIR COOLED ROOF MTD REFRIG RACK	COLDCORE MFC-1 SEE SHEET FS.06.1	1	F	484	208			35.0	3	D.	FUSE SIZE = 30.0 AMPS; CONNECTED LOAD = 22.7 AMPS; MINIMUM CAPACITY = 25.45 AMPS PROVIDE (1) MFC-1 UNIT FOR DOWNTIME OPERATION 15 AMP BREAKER DEDICATED CIRCUIT BREAKER REQUIRED					RACK SIZE = 12" LONG x 47" WIDE x 37" HIGH PLATFORM SIZE = 16" LONG x 47" WIDE x 4" HIGH	
			03.	42" WALL MOUNTED AIR CURTAIN	BEMER SHDPT-1042	1	A-46	52	120			15.0	1	D.							
			04.	CURB MOUNTED EMPLOYEE LOCKERS	PENCO VANGUARD 423R ONE ACCESS DOOR	LOT	A-38	150													
			05.	MOBILE DRY STORAGE SHELVING	METRO MKS-518EA	8	MOBILE	95													
			06.	SPARE No.																	
			07.	WALK-IN FREEZER W/TRIM	THERMALRITE CUSTOM	1	A-30	776	120			0.1	1	D.	(1) 30V x 9" L.E.D. LIGHTS 20W DOOR HEATER (1) 12W L.E.D. DOOR LIGHT (SWITCHING BY THE E.C.)						INSULATED/INSECT WASTE FROM EVAPORATOR COIL TO FLOOR SINK W/1" MIN. AIR GAP
			08.	EVAP. COIL - REFRIGERATION SYSTEM	FOR ITEM 07 SEE SHEET FS.06.1	1	B	55	208			2.0	1	D.	SEE DETAIL C/F.S.04.0						
			09.	MOBILE 4-TIER STORAGE SHELVING	METRO METROSEAL	5	MOBILE	85													
			10.	SPARE No.																	
			11.	WALK-IN COOLER W/TRIM	THERMALRITE CUSTOM	1	A-30	625	120			0.1	1	D.	(1) 30V x 9" L.E.D. LIGHTS (1) 12W L.E.D. DOOR LIGHT (SWITCHING BY THE E.C.)						INSULATED/INSECT WASTE FROM EVAPORATOR COIL TO FLOOR SINK W/1" MIN. AIR GAP
			12.	EVAP. COIL - REFRIGERATION SYSTEM	FOR ITEM 11 SEE SHEET FS.06.1	1	B	52	120			1.6	1	D.	SEE DETAIL C/F.S.04.0						
			13.	MOBILE 4-TIER STORAGE SHELVING	METRO METROSEAL	5	MOBILE	85													
			14.	SPARE No.																	
			15.	TRASH CAN W/DOLLY & LID	RUBBERMAID FG200009A	1	EA														
			16.	L-SHAPED WALL SHELF	CUSTOM STAINLESS STEEL BUILD TO ANSINSP STANDARDS	1	A-17	60													
			17.	L-SHAPED POT & PAN SINK ASSEMBLY	CUSTOM STAINLESS STEEL BUILD TO ANSINSP STANDARDS	1	A-2	720													
			18.	3-COMPARTMENT SINK	PART OF ITEM 17 CUSTOM STAINLESS STEEL	1															
			19.	TWIST WASTES W/OVERFLOWS	1/2" BRASS B-3952-01	3															
			20.	SPLASH MOUNTED FAUCETS	1/2" BRASS B-3952-04	2		5													
			21.	MOBILE TRANSPORT CARTS	LAKESIDE 311	2	MOBILE	65													
			22.	SPARE No.																	
			23.	ACCESSIBLE HAND SINK	WISOMP P.P.T. DISPENSER JOHN BOOS PHS-ADA-P-STD	1	EA	A-28	35												
			24.	WALL MOUNTED FILL FAUCET	1" FEMALE JOINTED 1/2" BRASS B-308	1		15													
			25.	MOBILE 6-OPEN BURNER W/CABINET BASE	VULCAN W80-088	1	A-41	435	120			9.0	1	C.O.	NEMA 5-15P						
			26.	COMBI OVEN W/2) WACKS/WATER FILTER	NATIONAL EP-20-112 W/2) WACKS & WATER FILTER	1	A-11	835	208			15.0	1	D.	DEDICATED CIRCUIT W/2) LINES TO SERVER 15 AMP CIRCUIT BREAKER REQUIRED						
			27.	MOBILE DOUBLE CONVECTION OVEN	BLOODETT PFC-100-ES-098 QUICK DISCONNECT	1	A-40	1095	(2)120			(2)18.0	(2)1	(2)C.O.	NEMA 5-15P						
			28.	TYPE ONE EXHAUST HOOD	SAVLORE DL-85-SS-CONV-004 SEE SHEET FS.10.1	1	A-10	1112	120			0.1			D.	(4) 17W L.E.D. LIGHT FIXTURES SWITCHING BY THE ELECTRICAL CONTRACTOR BY THE H.V.A.C. CONTRACTOR VERIFY ELECTRICAL REQUIREMENTS BY THE H.V.A.C. CONTRACTOR VERIFY ELECTRICAL REQUIREMENTS					
			29.	EXHAUST SYSTEM	SPEC'D BY THE MECH. ENGR. PROVIDED BY H.V.A.C. CONTR.	1															
			30.	MAKE-UP AIR SYSTEM	SPEC'D BY THE MECH. ENGR. PROVIDED BY H.V.A.C. CONTR.	1															
			31.	FIRE SUPPRESSION SYSTEM PIPING SYSTEM	ANSUL R-102 (UL L 100 LISTED) SEE DETAIL C/F.S.10.1	1															
			32.	FIRE SUPPRESSION SYS. CONTROL AUTOMAN	ANSUL R-102 PART OF ITEM 31	1	A-4	75	120			13.0	1	D.	20 AMP DEDICATED CIRCUIT						
			33.	FIRE SUPPRESSION SYSTEM MANUAL PULL	ANSUL R-102 PART OF ITEM 31	1															
			34.	S/S WALL FLASHING W/HOOD TRIM	CUSTOM STAINLESS STEEL BUILD TO ANSINSP STANDARDS	LOT															
			35.	1-SECTION PASS-THRU REFRIGERATOR	TRALSEN RHT-132 W/PUT SEE SHEET FS.06.1	1	A-10	405	120			7.2	1	C.O.	(1) CONVENIENCE OUTLET (DROP-CORD & PLUG) NEMA 5-15P; STUB-DOWN FROM CEILING (2) CONVENIENCE OUTLETS (DROP-CORD & PLUG) NEMA 5-15P; STUB-DOWN FROM CEILING						
			36.	ISLAND PREP TABLE W/2) DRAWERS	CUSTOM STAINLESS STEEL BUILD TO ANSINSP STANDARDS	1	A-1	880	2)120			2)15.0	2)1	2)C.O.							
			37.	PREP SINKS W/SINK COVERS	PART OF ITEM 36 CUSTOM STAINLESS STEEL	2															
			38.	DECK MOUNTED FAUCET	1/2" BRASS B-308	1		5													
			39.	TWIST WASTES W/OVERFLOWS	1/2" BRASS B-3952-01	2															
			40.	TABLE MOUNTED OVER-SHELF	CUSTOM STAINLESS STEEL BUILD TO ANSINSP STANDARDS	1		65													
			41.	MOBILE HEATED CABINET	CRESCOR H-138 PVS-184D	1	MOBILE	272	120			16.6	1	C.O.	(1) CONVENIENCE OUTLET (DROP-CORD & PLUG) NEMA 5-20P; STUB-DOWN FROM CEILING						
			42.	MOBILE DRYING RACK	METRO MKS-518EA	1	MOBILE	85													
			43.	SPARE No.																	
			44.	SPARE No.																	
			45.	SPARE No.																	
			46.	SPARE No.																	
			47.	MOBILE SALAD BAR	SOLID SURFACE TOP; MILLWORK FACIA; CUSTOM SS BODY	1	MOBILE	375													
			48.	DROP-IN 4-PAN REFRIG COLD WELLS	DUKE 42-404-NP DRY OPERATIONS	1	A-20	280	120			5.2	1	C.O.	NEMA 5-15P						
			49.	ADJUSTABLE SERVE/SELF SNEEZE GUARD	DUKE HGF-400-SERIES W/END GLASS	LOT		85													
			50.	STUDENT'S HOT/COLD SERVING COUNTER	SOLID SURFACE TOP; SS BODY; MILLWORK FACIA; SEE I.D. DWGS	1	A-4	1250	(2)120			(2)15.0	(2)1	(2)C.O.	(2) CONVENIENT OUTLETS						
			51.	DROP-IN RECESSED HOT/FROST UNIT	DUKE RHF-132 DRY OPERATIONS	1	A-10	214	120			5.8	1	C.O.	NEMA 5-15P						
			52.	ADJUSTABLE SERVE/SELF SNEEZE GUARD	DUKE HGF-400-SERIES W/END GLASS	LOT		85													
			53.	DROP-IN 4-PAN HOT/COLD FOOD UNIT	DUKE HCF-4 DRY OPERATIONS	1	A-10	287	120			16.0	1	C.O.	NEMA L14-20P						
			54.	ADJUSTABLE SERVE/SELF SNEEZE GUARD	DUKE HGF-400-SERIES W/END GLASS	LOT		85													
			55.	SPARE No.																	
			56.	MOBILE MILK COOLER	BEVARE STANHC-4-S SELF-CONTAINED	1	MOBILE	334	120			3.3	1	C.O.	NEMA 5-15P; ELECTRICAL TO STUB INTO FLOOR BOX BUMPED UP TO PROTECT FROM WATER						
			57.	MOBILE ACCESS. P.O.S. STAND W/DRAWER	SOLID SURFACE TOP; MILLWORK FACIA; CUSTOM SS BODY	1	MOBILE	250													
			58.	POINT-OF-SALE SYSTEM	PROVIDED BY SCHOOL DISTRICT INSTALLED BY THE G.C.	1		15	120			5.0	1	C.O.	DEDICATED CIRCUIT W/2) LINES TO SERVER VERIFY ELECTRICAL REQUIREMENTS						
			59.	CARD READERS	PROVIDED BY SCHOOL DISTRICT INSTALLED BY THE G.C.	2		5	120			5.0	1	C.O.	DEDICATED CIRCUIT W/2) LINES TO SERVER VERIFY ELECTRICAL REQUIREMENTS						
			60.	SPARE No.																	
			61.	SPARE No.																	
			62.	SPARE No.																	
			63.	SPARE No.																	
			64.	SPARE No.																	
			65.	WALL BACKING	PROVIDED BY F.S.E.C. SEE KEYNOTE I-SHEET FS.06.0	LOT	A-24	FS.06.0													



FOODSERVICE EQUIPMENT FLOOR PLAN SCALE 1/4"=1'-0"



DIELI MURAWKA HOWE
A Division of WEBB FOODSERVICE DESIGN
Food Service Design Consultants
P.O. Box 28197, San Diego, CA 92128
Design By: Richard Diel Phone: 619.285.1189
1530 South Lewis Street, Anaheim, CA 92805
Phone: 714.508.1880

RUHNAU CLARKE ARCHITECTS

FLOOR PLAN LEGEND

- BUILDING WALLS (SEE ARCH. DWGS.)
- ITEM NUMBER (SEE EQUIPMENT SCHEDULE)
- ROOM / AREA NAME AND ROOM NUMBER
- ACCESSIBLE CLEARANCES AND SYMBOL
- EXISTING FOOD SERVICE EQUIPMENT
- OWNER PROVIDED EQUIPMENT
- COLUMN GRIDS WITH COLUMN INDICATORS
- EQUIPMENT LABELS (Refrigerator, Freezer, Heated)
- OUTLINE OF FOOD SERVICE EQUIPMENT
- STORAGE SHELVING SIZES (Width x Length)
- FOOD SERVICE EQUIPMENT BELOW EQUIPMENT TOP
- FUTURE FOOD SERVICE EQUIPMENT
- FOOD SERVICE EQUIPMENT ABOVE EQUIPMENT TOP
- E.P. (ELECTRICAL PANEL, SEE ELECT ENG DWGS)
- MOBILE FOOD SERVICE EQUIPMENT
- F.C.C. (TYPE "K" FIRE EXTINGUISHER & CABINET)

FS.01.0 SHEET NUMBER

- W.H. WATER HEATER (SEE PLUMBING ENG DWGS)
- WALK-IN COOLER/FREEZER INSULATED WALLS
- ELEVATION INDICATOR SYMBOL

FOOD SERVICE EQUIP. KEYNOTE

FOOD SERVICE EQUIPMENT IDENTIFIER
ITEM NUMBER
SEE EQUIPMENT SCHEDULE ON FS.01.0

NOTE: SEE SHEET FS.02.0 FOR FOOD FACILITY REQ'MT NOTES AND OTHER APPLICABLE NOTES

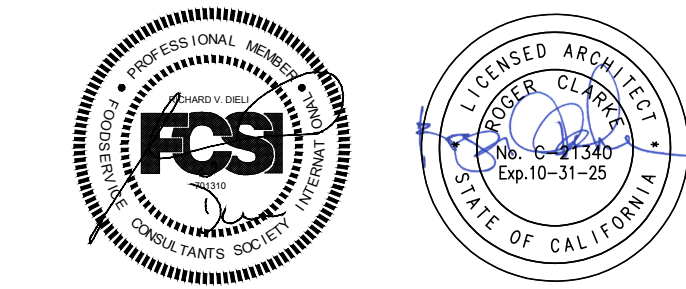
KITCHEN FINISH SCHEDULE

ROOM/AREA	FLOOR	BASE	WALLS	CEILING
WALK-IN FREEZER	EPOXY FLOOR NOTE #5	EPOXY 6" HIGH WITH 3/8" RADIUS COVERED W/BACKER BOARD	20 GA. WHITE SMOOTH GALV.	20 GA. WHITE SMOOTH GALV.
WALK-IN COOLER	EPOXY FLOOR NOTE #5	EPOXY 6" HIGH WITH 3/8" RADIUS COVERED	20 GA. WHITE SMOOTH GALV.	20 GA. WHITE SMOOTH GALV.
ALL OTHERS ROOMS/AREAS	SEE ARCHITECT'S SHEET ID-1.0 FINISH SCHEDULE			

NOTE #5: ALL FLOORS WILL HAVE A SMOOTH SURFACE UNDER ALL EQUIPMENT, AND ALL WALKWAYS WILL HAVE A LIGHT TEXTURE ONLY

FOR REFERENCE ONLY

PROJECT No. : 1-34-32
7/5/2024 12:54 PM



STAMPS

DIELI MURAWKA HOWE
A Division of WEBB FOODSERVICE DESIGN
Food Service Design Consultants
P.O. Box 28197, San Diego, CA 92128
Design By: Richard Dieli Phone: 619.285.1189
1530 South Lewis Street, Anaheim, CA 92805
Phone: 714.508.1880

RUHNAU
CLARKE
ARCHITECTS

CONSULTANT BRANDING

ABBREVIATIONS

Table of abbreviations for construction documents, including categories like A.C.C., A.F.F., A.P., ACR, ADA, ADOTL, ADJ., ALT., ALUM., AMP.S., APPROX., ARCH., ASS'Y, ATTACH, B.F.C., B/C, B/DG, BLK, BPD, BRKT, BTU, BWP, C.O., C.T., C/E, C/L, C/T, C/W, CAB., CANT., CFM, CLG, CLR, CMU, CO2, COL, COMP'R, COMP'T, CONC, CONN., CONT., CONTR., CUST., CW, D., DM, DBL, DEPT, DET., DIA, DIAG, DIM., DISP., DIV., DMH, DN, DP, DPDT, DSA, DTA, DWG, DWR, E., E.C., E.F., E.G., EMT, E.P., EA, ELEV, E.M.S., EPH, EQ., EQUIP, OB, O.C., O.D., OPNG, OSHPD, OZ, P.B., P.C., PERF., PG, PH, PL, PREP, PREV, PSF, PSI, PT, PVC, Q.D., Q.T., QT, QTY, RAD, RECOM'D, REFRIG, REMOV, RECD, RLA, RM, RND, RPPD, S.O.V., SP, S/C, S/S, SCHED, SECT, SHS, SHT, SIM, SL/SF, SMACNA, SNZ GD, SPEC, SQ FT, STMR, SW, SYM, SYS, T.B.D., T.C., TEL CO, TEMP, TYP, UBC, UDS, UL, UMC, UPC, UV, U/C, VCT, VS, VFD, W., W.G., W.H., W.I., W.I.C., W/, WGT, W.P., X-BRC, FLOOR DRAIN, FIELD JOINT, FLOOR SINK, FOODSERVICE EQUIPMENT CONTRACTOR, FLOOR TROUGH, FAHRENHEIT TEMPERATURE DIFFERENCE, FOOD ESTABLISHMENT WASTEWATER DISCHARGE, FINISH, FIXTURE, FLOOR, FLUOR, FOOT POUNDS PER MINUTE, FIBERGLAS REINFORCED PLASTIC, FREEZER, FIRE SUPPRESSION SYSTEM, FOOT or FEET, GENERAL CONTRACTOR, GAS METER, GAUGE, GALLON, GALVANIZED, GALLONS PER HOUR, GALLONS PER MINUTE, HOT AND COLD WATER, HEIGHT, HIGH INTENSITY DISCHARGE, HEATING/VENTILATING AND AIR CONDITIONING, HAZARD ANALYSIS CRITICAL CONTROL POINT, HORIZONTAL, HORSE POWER, HEATER, HOT WATER, INSIDE DIMENSION, THEREFORE, INDIRECT WASTE, INCHES, INFORMATION, INSULATION, INTERIOR, INTERNAL PIPE SIZE, JUNCTION BOX, KILOWATTS, LENGTH, LAMINATED PLASTIC, LBS, POUNDS, LINEAR, LOCATION, LIGHTS, MACHINE, MATERIAL, MAXIMUM, MECHANICAL, MANUFACTURER, MINIMUM, MISCELLANEOUS, MOUNTED, MAKE-UP AIR, MULLION, NOT AVAILABLE, NATIONAL SANITATION FOUNDATION, NOT TO SCALE, NOT APPLICABLE, NATURAL, NUMBER, OPEN BURNER, ON CENTER, OUTSIDE DIAMETER, OPENING, OFFICE STATE HEALTH PLANNING & DEVELOPMENT, OUNCE, PULL BOX, PLUMBING CONTRACTOR, PERFORATED, PAGE, PHASE, PLATE, PREPARATION, PREVIOUS, POUNDS PER SQUARE FOOT, POUNDS PER SQUARE INCH, POINT, POLY VINYL CHLORIDE, QUICK DISCONNECT, QUARRY TILE, QUART, QUANTITY, RADIUS, RECOMMENDED, REFRIGERATOR, REMOVABLE, REQUIRED, RUNNING LOAD AMPS, ROOM, ROUND, REDUCED PRESSURE PRINCIPLE DEVICE, SHUT-OFF VALVE, STATIC PRESSURE, SELF CONTAINED, STAINLESS STEEL, SCHEDULE, SECTION, SINGLE HORIZONTAL SLIDE, SHEET, SIMILAR, SOLID SURFACE, SHEET METAL AIR CONDITIONING NAT. ASSOC., SNEEZ GUARD, SPECIFICATIONS, SQUARE FEET, STEAMER, SWITCH, SYMBOL, SYSTEM, TO BE DETERMINED, TRASH CAN, TELEPHONE COMPANY, TEMPERATURE, TYPICAL, UNIFORM BUILDING CODE, UTILITY DISTRIBUTION SYSTEM, UNDERWRITERS LABORATORY, UNIFORM MECHANICAL CODE, UNIFORM PLUMBING CODE, ULTRA VIOLET, UNDER COUNTER, VINYL COMPOSITION TILE, VERSUS, VARIABLE FREQUENCY DRIVE, WIDTH, WATER GAUGE, WATER HEATER, WALK IN, WIDTH IN CLEAR, WITH, WEIGHT, WATER PRESSURE, CROSS-BRACING

ATTACHMENT NOTES

(MIN. REQUIREMENTS UNLESS NOTED OTHERWISE)
THESE GUIDELINES HAVE BEEN PREPARED FOR USE BY ENGINEERS, ARCHITECTS AND CONTRACTORS, APPROVING AUTHORITIES, AND OTHERS AS AN AID IN STANDARDIZING DETAILS OF CONSTRUCTION FOR SEISMIC RESTRAINTS OF FOOD SERVICE EQUIPMENT COMPLYING WITH THE 2019 CALIFORNIA BUILDING CODE (CBC). IT IS NOT TO BE CONSTRUED TO BE A DESIGN GUIDELINE...
THESE GUIDELINES WERE DEVELOPED USING SOUND ENGINEERING PRINCIPLES AND JUDGMENT. THEY REPRESENT REALISTIC AND SAFE DETAILS COMPATIBLE WITH GENERAL GUIDELINES AND FORCE FACTORS IN THE 2019 CALIFORNIA BUILDING CODE (CBC). THEY ARE SUBJECT TO REVISION AS FURTHER EXPERIENCE AND INVESTIGATION MAY SHOW IF NECESSARY. SMACNA ASSUMES NO RESPONSIBILITY AND ACCEPTS NO LIABILITY FOR THE APPLICATION OF THE PRINCIPLES OR TECHNIQUES CONTAINED IN THIS GUIDELINE.
1. - KITCHEN EQUIPMENT IS MANUFACTURED IN A MULTITUDE OF DIFFERENT SHAPES, SIZES, AND WEIGHTS. IN ORDER TO COOPY THE VARIABLES, EQUIPMENT HAS BEEN ARRANGED INTO BASIC CATEGORIES OR TYPES...
2. - ALL DETAILS IN THIS GUIDELINE ARE FOR EQUIPMENT THAT IS DIRECTLY CONNECTED TO UTILITIES. PLUG-IN TYPES ARE USUALLY EXCLUDED...
3. - THE DETAILS HAVE BEEN PREPARED ON THE BASIS OF NEW CONSTRUCTION. THE SAME DETAILS ARE APPLICABLE TO REMODELING...
4. - FINISHES INDICATED ON THE DETAILS ARE NOT INCLUDED IN THE KITCHEN EQUIPMENT CONTRACT.
5. - THE FOOD SERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE LOCATION DRAWINGS FOR ALL EMBEDDED ITEMS AND WALL PLATES...
6. - BACKING PLATES ON WALLS SHALL BE INSTALLED TO ENSURE A FLAT FINISHED WALL.
7. - CONCRETE ANCHORS WILL HAVE LOCAL-GOVERNING-JURISDICTION-APPROVED VALUES...
8. - ALL SCREWS INTO METAL FRAMING SHALL PENETRATE A MINIMUM OF 1/4" (6.4 MM) OR 5 PITCHED OF THREAD. ALL SCREWS INTO WOOD FRAMING SHALL PENETRATE A MINIMUM OF 1" (25.4 MM) UNLESS NOTED OTHERWISE.

FOOD FACILITY REQUIREMENTS NOTES

(MINIMUM REQUIREMENTS UNLESS NOTED OTHERWISE)
1. - A CONCRETE SLAB IS PROVIDED FOR TRASH, GARBAGE, AND GREASE CONTAINER. IF WALLS ENCLOSE AREA, THE INTERIOR WALL SURFACES WILL BE SMOOTH, SEALED AND WASHABLE...
2. - ALL FOOD-RELATED AND UTENSIL-RELATED EQUIPMENT SHALL MEET OR BE EQUIVALENT TO SANITATION STANDARDS ESTABLISHED BY AN AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ACCREDITED PROGRAM.
3. - ALL FLOOR MOUNTED EQUIPMENT WILL BE INSTALLED ON MINIMUM 6" SANITARY LEGS, CASTORS, OR COMPLETELY SEALED IN POSITIONED ON A 4-INCH HIGH CURB WITH CONTINUOUSLY COVED BASE...
4. - NOT USED
5. - ANY OPENABLE WINDOWS, VENT OPENINGS OR OTHER SIMILAR OPENINGS MUST BE PROVIDED WITH TIGHT FITTING SCREENS OF MINIMUM 16-MESH TO THE INCH. WINDOWS TO BE FIXED AT FOOD PREP, UTENSIL-WASHING, OPEN FOOD AND UTENSIL STORAGE AREAS.
6. - ALL EXTERIOR DOORS OPEN OUTWARD AND ARE SELF-CLOSING AND TIGHT FITTING.
7. - BI-FOLD, FRENCH, ACCORDION STYLE AND ROLL-UP DOORS CANNOT OPEN INTO THE FOOD PREP, UTENSIL WASHING OR UNPACKAGED FOOD SERVICE AREAS.
8. - TOILET ROOM DOORS AND DRESSING ROOM DOORS MUST BE SELF-CLOSING AND TIGHT FITTING.
9. - DELIVERY DOORS TO HAVE AIR CURTAIN FANS THAT SPAN THE WIDTH OVER THE DOOR. THE FAN MUST ACTIVATE VIA A MICROSWITCH PROVIDING A MINIMUM VELOCITY OF 1600 FPM MEASURED 3- FEET ABOVE THE GROUND.
10. - A MINIMUM OF 10 FOOT-CANDLES OF LIGHT MEASURED 30-INCHES OFF FLOOR IS PROVIDED IN WALK-IN REFRIGERATED STORAGE AND DRY STORAGE ROOMS AND AT LEAST 20-FOOT CANDLES IS PROVIDED WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE...
11. - A MINIMUM OF 50 FOOT-CANDLES OF LIGHT MEASURED 30-INCHES OFF FLOOR IS PROVIDED WHEN WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SLICERS, GRINDERS, OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR...
12. - SHATTERSHIELDS FOR ALL LIGHTS ABOVE FOOD PREPARATION, WORK, AND STORAGE WILL BE PROVIDED.
13. - ALL WAREWASHING SINKS TO HAVE THREE COMPARTMENTS THAT ARE A MINIMUM SIZE OF AT LEAST 18"x18"x12" DEEP (OR 16"x20"x12" DEEP) WITH A MINIMUM 18-INCH DRAINBOARD AT EACH END...
14. - SINKS TO HAVE SPOUT(S) CAPABLE OF REACHING EACH COMPARTMENT.
15. - FOOD PREP SINK COMPARTMENT(S) TO BE AT LEAST 18"x18"x12" DEEP (OR 16"x20"x12" DEEP) WITH A MINIMUM 18-INCH DRAINBOARD...
16. - THE THREE OR FOUR COMPARTMENT BAR SINK TO BE AT LEAST 12"x12"x10" DEEP (OR 10"x14"x10" DEEP) WITH A MINIMUM 18-INCH DRAINBOARD AT EACH END.
17. - A SEPARATE WET WASTE DUMP FIXTURE SHALL BE PROVIDED FOR DISPOSAL OF DRINK, WASTE ICE OR COFFEE WASTE.
18. - EACH HANDWASHING SINK MUST HAVE PERMANENTLY MOUNTED SINGLE-SERVICE SOAP & PAPER TOWEL DISPENSERS.
19. - THE HOT WATER HEATER WILL BE A COMMERCIAL TYPE CAPABLE OF CONSTANTLY SUPPLYING HOT WATER AT A TEMPERATURE OF 120°F TO ALL SINKS...
20. - ALL LAVATORIES OR HAND SINKS WILL HAVE A COMBINATION FAUCET OR PREMIXING FAUCET CAPABLE OF SUPPLYING WATER TEMPERED TO 100°F...
21. - ALL PLUMBING, ELECTRICAL AND GAS LINES SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE...
22. - CONDUIT, PLUMBING OR PIPING CANNOT BE INSTALLED ACROSS THE AISLE WAY, TRAFFIC AREA OR DOOR OPENING.
23. - MULTIPLE RUNS OR CLUSTERS OF CONDUIT OR PIPELINES SHALL BE FURRED IN OR ENCASED IN AN APPROVED SEALED ENCLOSURE.
24. - ALL LIQUID WASTE SHALL BE DRAINED BY MEANS OF INDIRECT WASTE PIPES INTO A FLOOR SINK...
25. - FLOOR SINK TO BE 50% EXPOSED WHEN NO ACCESS IS PROVIDED FOR CLEANING OR BE IN LINE WITH THE FRONT FACE OF ELEVATED FREESTANDING EQUIPMENT.
26. - APPROVED BACKFLOW PREVENTION DEVICES SHALL BE PROPERLY INSTALLED UPSTREAM OF ANY POTENTIAL HAZARD BETWEEN THE POTABLE WATER SUPPLY AND THE SOURCE OF CONTAMINATION...
27. - WATER SUPPLY TO CARBONATORS SHALL BE PROTECTED BY AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER...
28. - FOR CLEANING FLOOR MATS, THE JANITORIAL SINK TO BE A MINIMUM 24" BY 36" FLOOR-MOUNTED TYPE...
29. - THE JANITORIAL SINK FAUCET WILL HAVE A THREADED OUTER LIP FOR HOSE ATTACHMENT AND AN APPROVED BACKFLOW PREVENTION DEVICE...
30. - NO CONDENSATE OR WASTEWATER INCLUDING HVAC WILL DRAIN INTO THE JANITORIAL SINK.
31. - GREASE TRAP TO BE LOCATED OUTSIDE THE FOODSERVICE ACTIVITY AREA...
32. - FLOOR DRAINS SHALL BE INSTALLED IN FLOORS THAT ARE WATER-FLUSHED FOR CLEANING...
33. - ADEQUATE VENTILATION IS TO BE PROVIDED TO ALL TOILET ROOMS, JANITOR CLOSET WITH MOP SINKS...
34. - THE FLOOR FINISH WILL HAVE A SMOOTH SURFACE UNDER ALL EQUIPMENT...
35. - THE PAINT USED ON WALLS AND CEILINGS OF ALL KITCHEN, FOOD PREP, WORK, STORAGE AREAS WILL BE A GLOSS OR SEMI-GLOSS ENAMEL...
36. - PRIOR TO INSTALLATION, SAMPLES OF FINISHES TO BE SUBMITTED TO ENVIRONMENTAL HEALTH FOR APPROVAL AS NEEDED.
37. - COLD STORAGE ROOMS SHALL BE PROVIDED WITH A SECTION OF SHELVING INSTALLED TO HOLD SHALLOW COOL DOWN PANS...
38. - BACKUP DRY STORAGE SHELVING SHALL BE A MINIMUM OF 96 LINEAR FEET...
39. - SHELVING OVER WET AREAS (SINKS, MOP SINKS, ETC.) AND FOOD SURFACES WILL BE METAL.
40. - ALL SEAMS, GAPS, OPENINGS TO BE PROPERLY SEALED.
PROJECT INFORMATION:
1. - PROJECT INFO: MADISON ELEMENTARY SCHOOL - 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
2. - NAME AND PHONE NUMBER OF THE ARCHITECT IS: RUHNAU CLARKE ARCHITECTS - (951) 684-4664
3. - TYPE OF THIS FOOD FACILITY IS: 100% SINGLE SERVICE
4. - NUMBER OF EMPLOYEES PER SHIFT (INCLUDING OWNERS & MANAGERS): 5-10
5. - THIS FOOD FACILITY IS SERVED BY THE MUNICIPAL WATER DISTRICT OF CITY OF SACRAMENTO
6. - THIS FOOD FACILITY IS SERVED BY THE MUNICIPAL SEWER DISTRICT OF CITY OF SACRAMENTO
7. - SQUARE FOOTAGE OF THIS FOOD FACILITY IS: APPROXIMATELY 935 SQ. FT.

BUILDING CONSTRUCTION NOTES

1. - REFER TO THE ARCHITECTS DRAWINGS AND SPECIFICATIONS FOR CURRENT BUILDING CODES

ELECTRICAL NOTES

1. - REFER TO THE ELECTRICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS FOR CURRENT ELECTRICAL CODES AND ELECTRICAL NOTES

MECHANICAL / VENTILATING NOTES

1. - REFER TO THE MECHANICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS FOR CURRENT MECHANICAL CODES AND MECHANICAL NOTES

PLUMBING NOTES

1. - REFER TO THE PLUMBING ENGINEER'S DRAWINGS AND SPECIFICATIONS FOR CURRENT PLUMBING CODES AND PLUMBING NOTES

REFRIGERATION NOTES

(MIN. REQUIREMENTS UNLESS NOTED OTHERWISE)
1. - ANY DISCREPANCIES BETWEEN PLANS AND CODE REQUIREMENTS THAT MAY AFFECT THE INSTALLATION, FABRICATION, OR OVERALL WORK IN ANY WAY SHALL BE BROUGHT TO THE ATTENTION OF THE FOOD SERVICE EQUIPMENT CONTRACTOR IMMEDIATELY BY THE REFRIGERATION CONTRACTOR...
2. - FOOD FACILITY REQUIREMENT NOTES AND ALL OTHER NOTES ARE TO BE CONSIDERED A PART OF THESE NOTES...
3. - CONTRACTOR SHALL BE RESPONSIBLE THAT HIS PHASE OF WORK MEETS AND IS INSTALLED IN ACCORDANCE WITH STANDARDS REQUIRED BY ALL GENERAL, STATE, FEDERAL, AND ALL CODES PECULIAR TO MUNICIPALITY OR AREA...
4. - CONTRACTOR TO VERIFY ALL SERVICES, SIZES, AND LOCATIONS REQUIRED FOR REFRIGERATION EQUIPMENT...
5. - CONTRACTOR SHALL SEAL ALL REFRIGERATION PENETRATIONS THROUGH WALLS, FLOORS, AND CEILINGS...
6. - ELECTRICAL SERVICE, CONTROL WIRING, AND CONNECTIONS TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
7. - REFRIGERATION COMPRESSOR(S) AND REMOTE ICE MACHINE CONDENSING UNIT(S) ARE TO BE LOCATED A MINIMUM OF TEN (10) FEET FROM COOKING EXHAUST FANS.
8. - REFRIGERATION COMPRESSOR(S) SHALL BE AIR COOLED, SEMI-HERMETIC TYPE WHERE POSSIBLE...
9. - CONTRACTOR TO PROVIDE & INSTALL INSULATED REFRIGERATION LINES IN WALLS AND/OR CEILINGS BEFORE THEY ARE CLOSED...
10. - CONTRACTOR TO PROVIDE AND INSTALL SUPPORTS (TRAPEZIE STYLE) FOR ALL OVERHEAD REFRIGERATION LINE RUNS.

FOOD SERVICE SHEET LIST

Table listing food service sheets: FS.01.0 FOODSERVICE EQUIPMENT FLOOR PLAN & SCHEDULE, FS.02.0 FOODSERVICE EQUIPMENT GENERAL NOTES, FS.03.0 FOODSERVICE EQUIPMENT PLUMBING PLAN, FS.04.0 FOODSERVICE EQUIPMENT ELECTRICAL PLAN, FS.05.0 FOODSERVICE EQUIPMENT BUILDING WORK PLAN (*), FS.06.0 FOODSERVICE EQUIPMENT REFRIGERATION PLAN, FS.06.1 FOODSERVICE EQUIPMENT REFRIGERATION DETAILS, FS.07.0 FOODSERVICE EQUIPMENT ELEVATIONS PLAN, FS.09.0 FOODSERVICE EQUIPMENT ATTACHMENT DETAILS, FS.09.1 FOODSERVICE EQUIPMENT ATTACHMENT DETAILS, FS.10.0 FOODSERVICE EQUIPMENT EXHAUST HOOD DETAILS, FS.10.1 FOODSERVICE EQUIPMENT EXHAUST HOOD DETAILS, FS.11.0 FOODSERVICE EQUIPMENT SERVERY EQUIPMENT

(*) NOTE: THE FOLLOWING INFORMATION CAN BE FOUND ON THE BUILDING WORK PLAN: FLOOR DEPRESSIONS, LEVEL FLOORS; GALV. CURBS; WALL BACKING; HOOD OUTLINES, EXHAUST & MUA DUCTS; WALL & CEILING PENETRATIONS; WALL & WINDOW OPENINGS; FRP & S/S WALL FINISHES

FOR REFERENCE ONLY

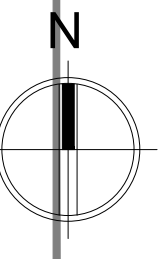


Table with columns: DRAWN BY, CHECKED BY, ISSUE No., DATE, DESCRIPTION, REVISION No., DATE, DESCRIPTION

RUHNAUCLARKE.COM

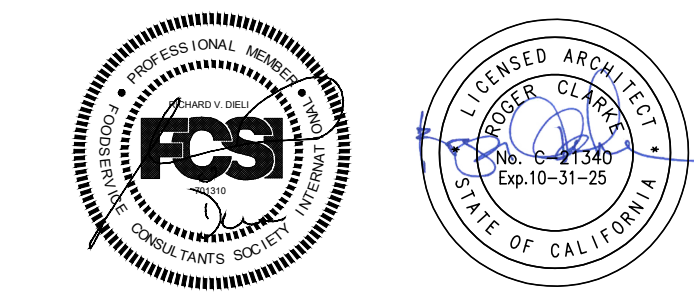
KITCHEN UPGRADES

FOODSERVICE EQUIP. GENERAL NOTES

FS.02.0

MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

KITCHEN UPGRADES:

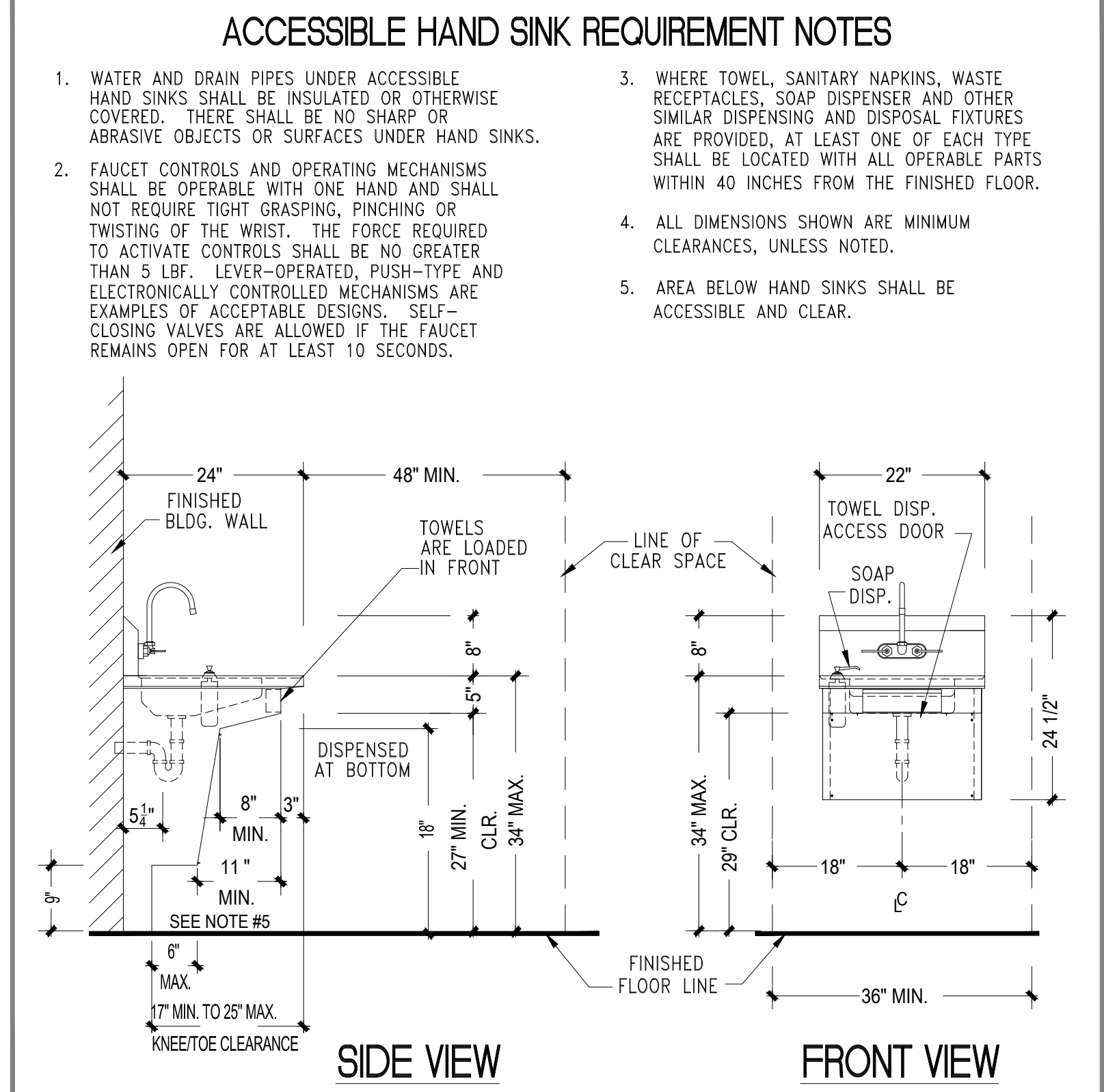


STAMPS

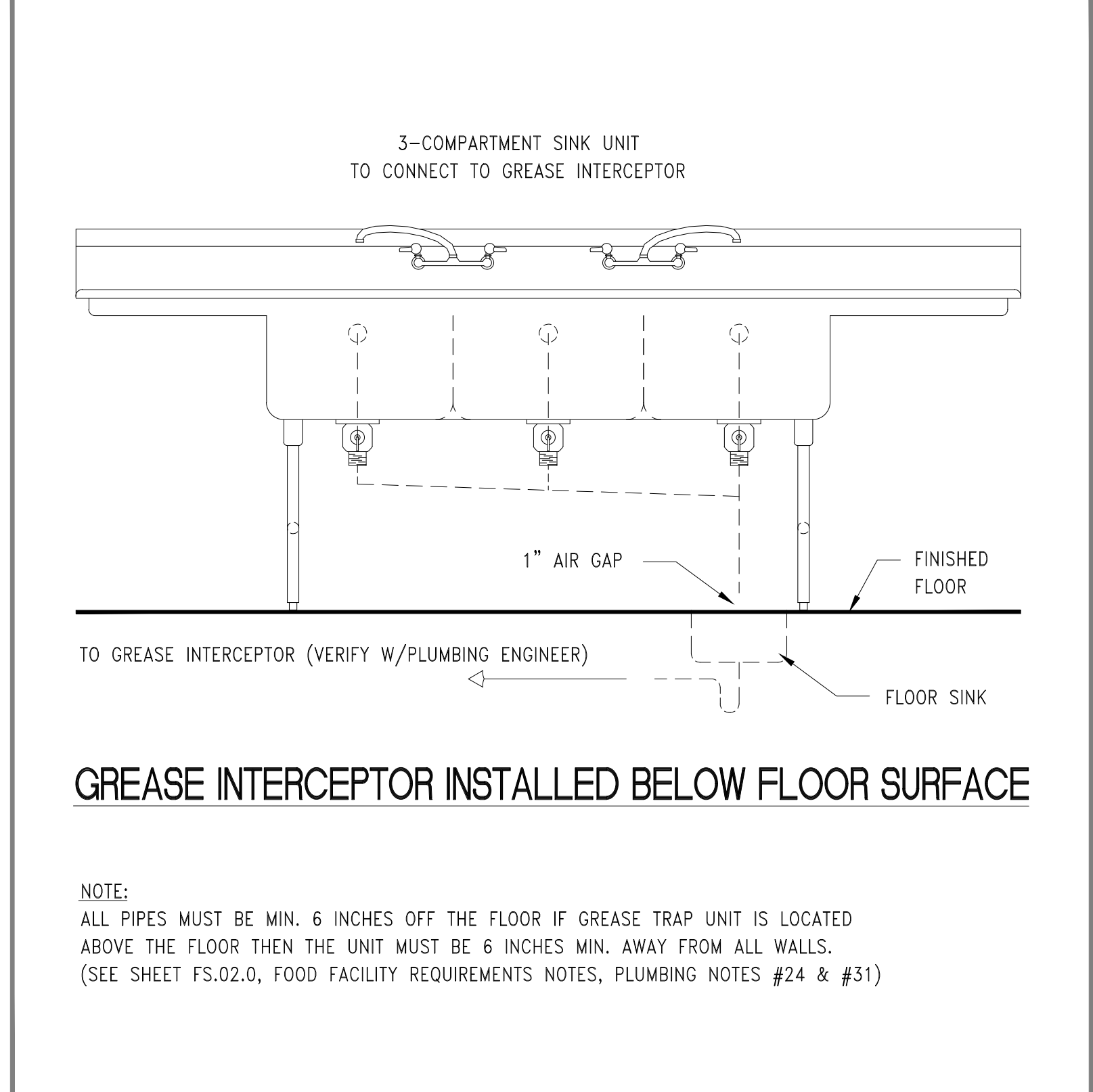
DIELI MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Diel Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

**RUHNAU
 CLARKE
 ARCHITECTS**

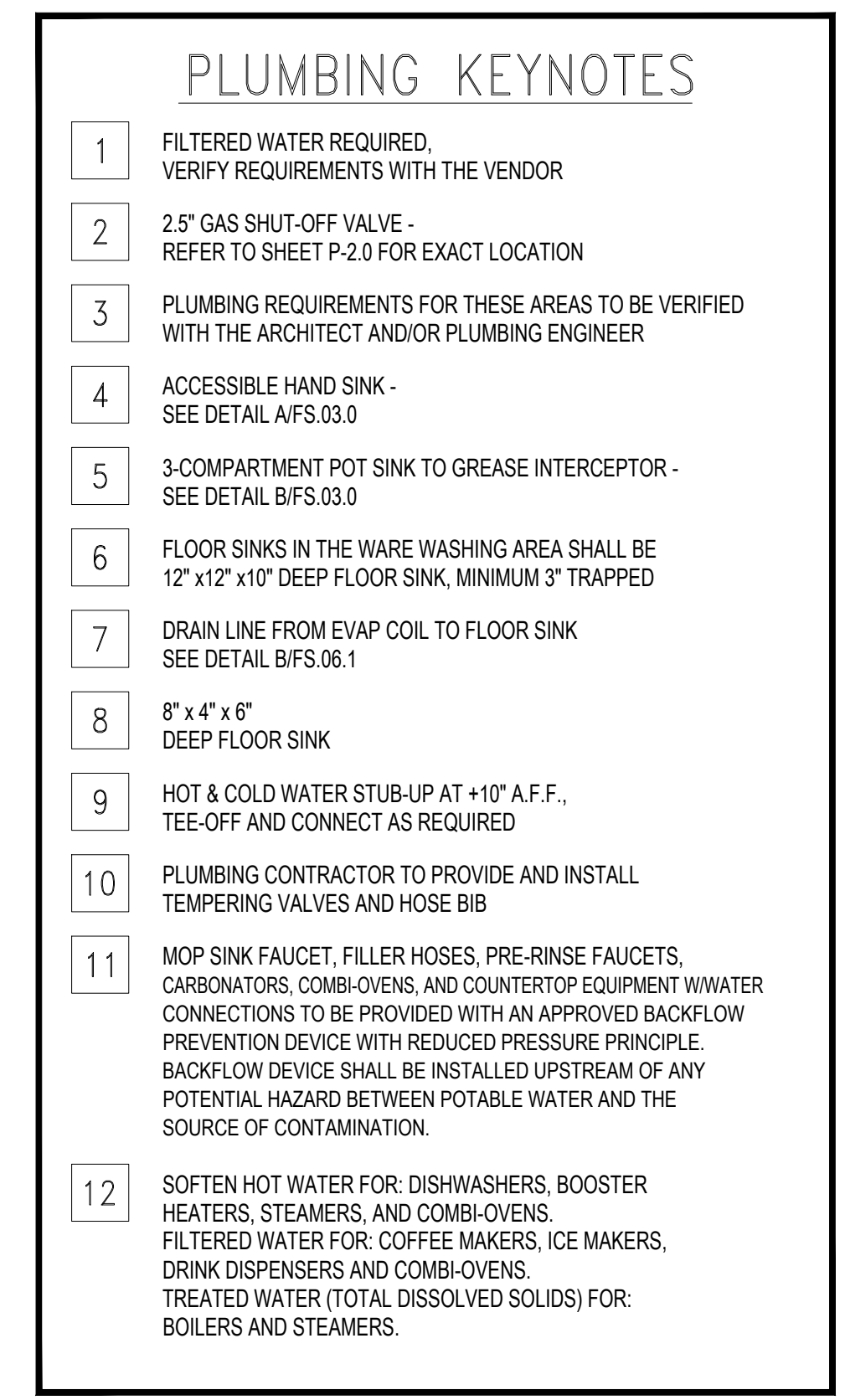
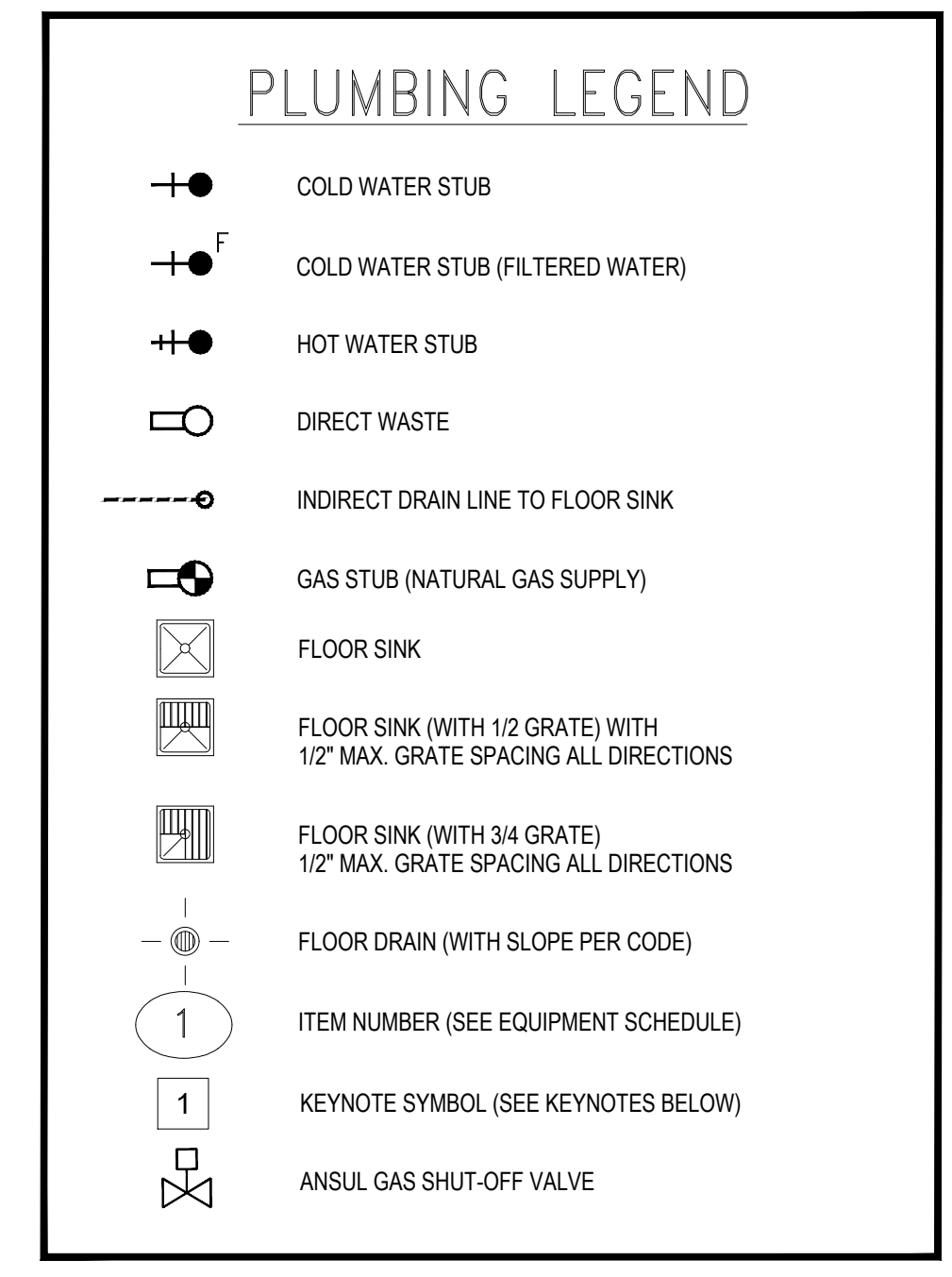
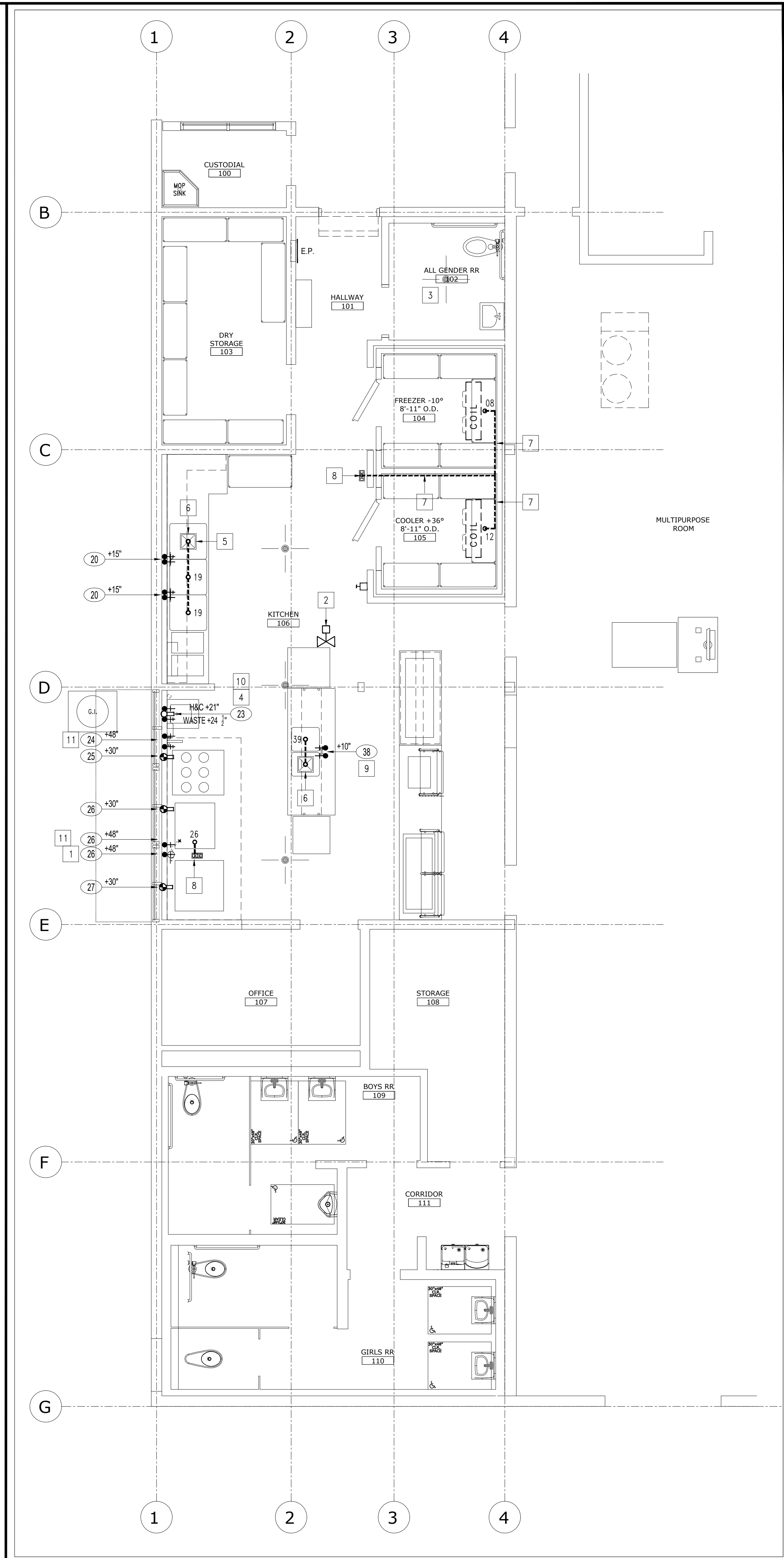
CONSULTANT BRANDING



A ACCESSIBLE HAND SINK DETAILS NTS



B POT SINK/GREASE INTERCEPTOR DETAIL NTS



NOTE:
 REFERENCE TO PLUMBING ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION

NOTE:
 SEE SHEET FS.02.0 FOR PLUMBING NOTES AND OTHER APPLICABLE NOTES

FOR REFERENCE ONLY

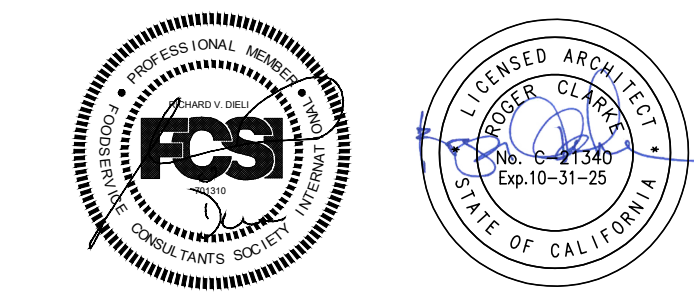
ISSUE No.	DATE	DESCRIPTION	REVISION No.	DATE	DESCRIPTION

RUHNAUCLARKE.COM

KITCHEN UPGRADES
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**FOODSERVICE EQUIP.
 PLUMBING PLAN** **FS.03.0**

KITCHEN UPGRADES:

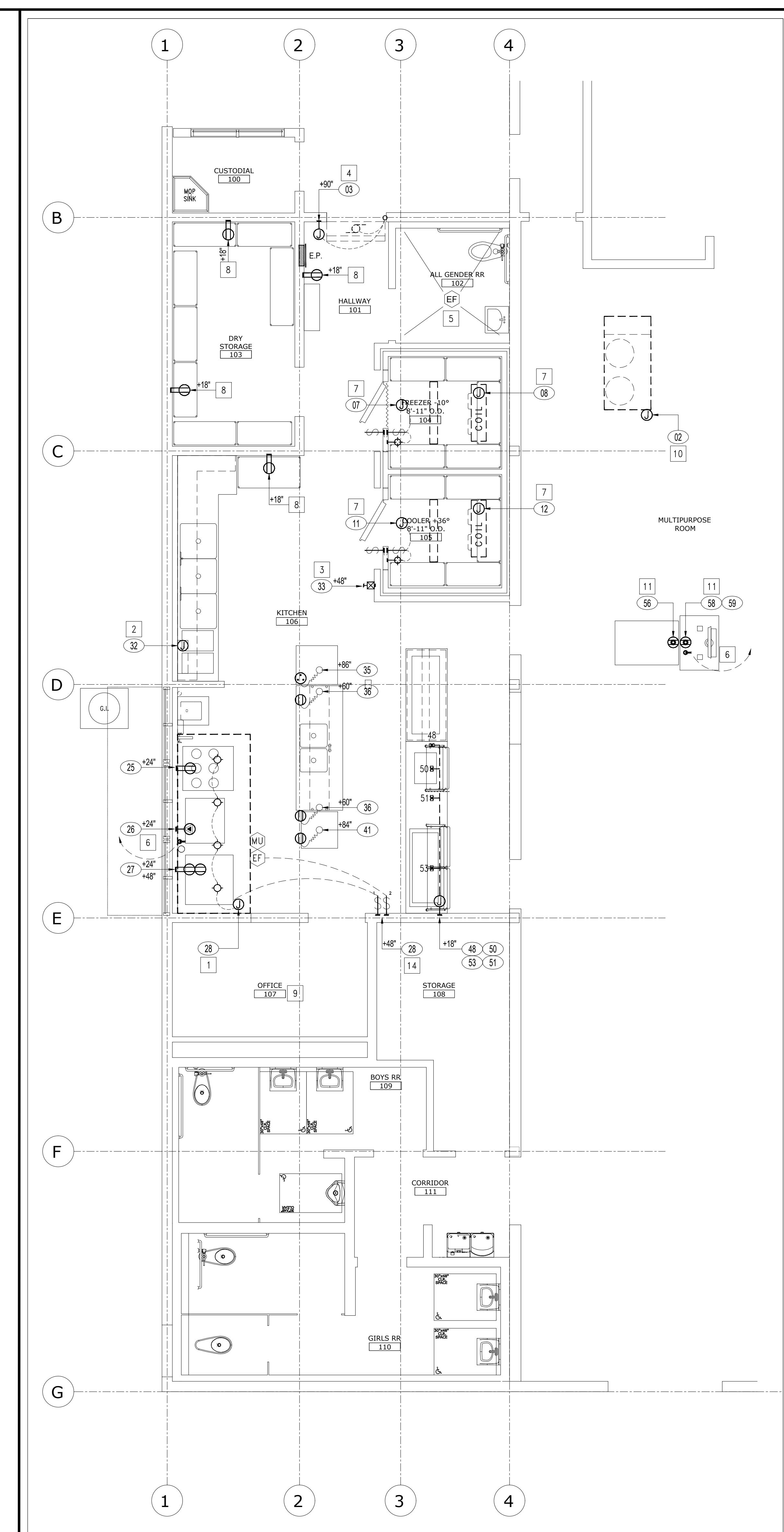
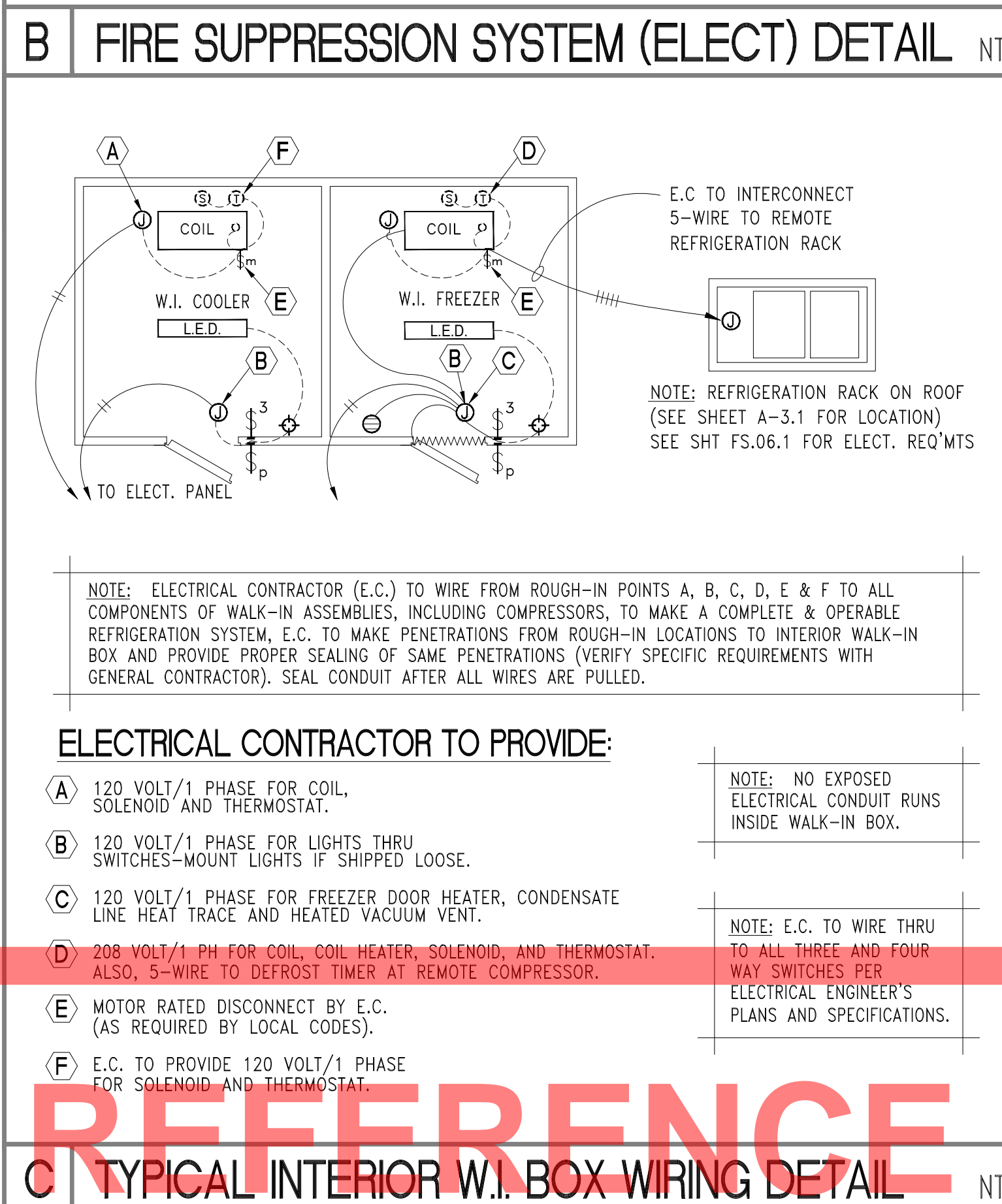
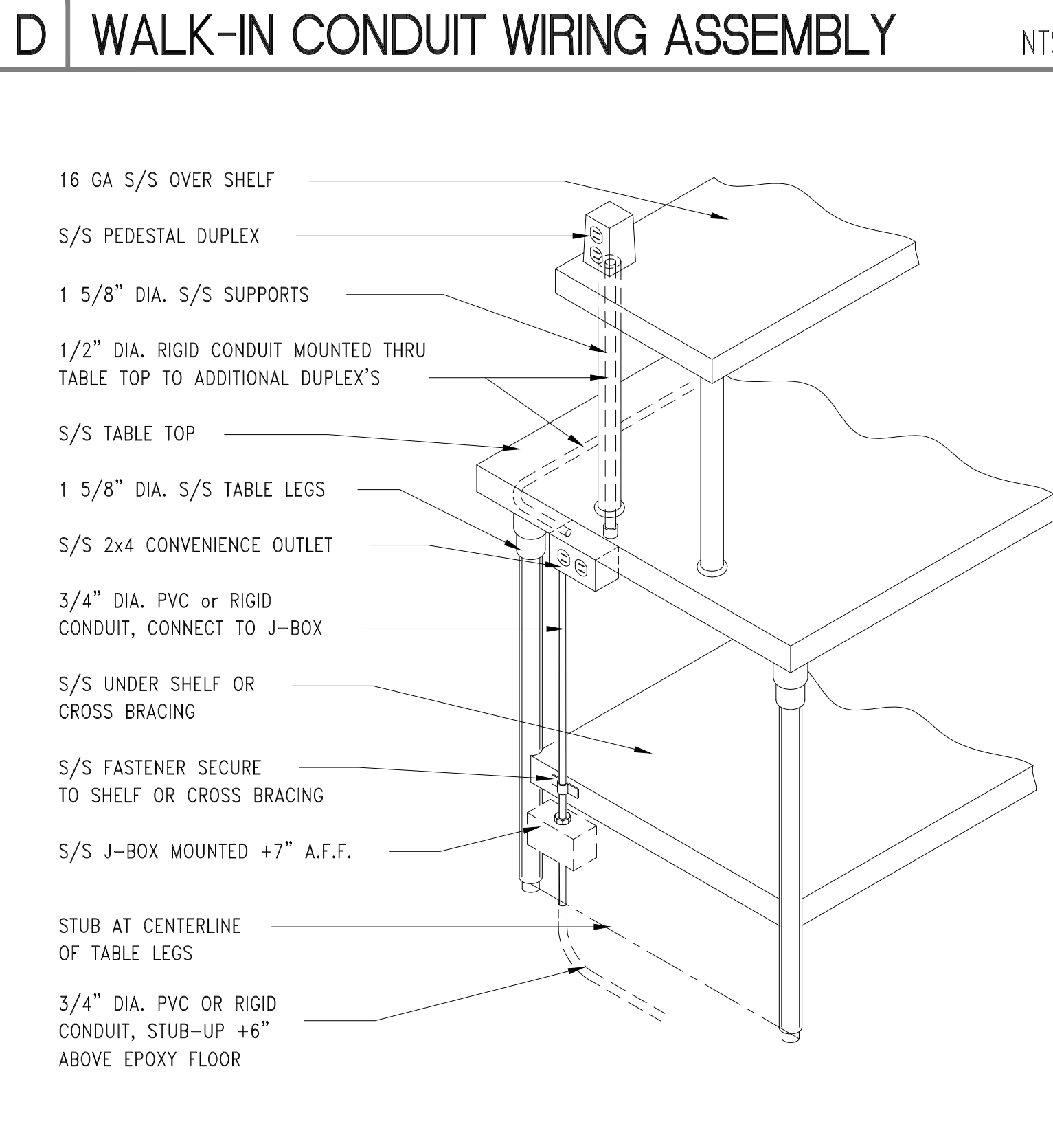
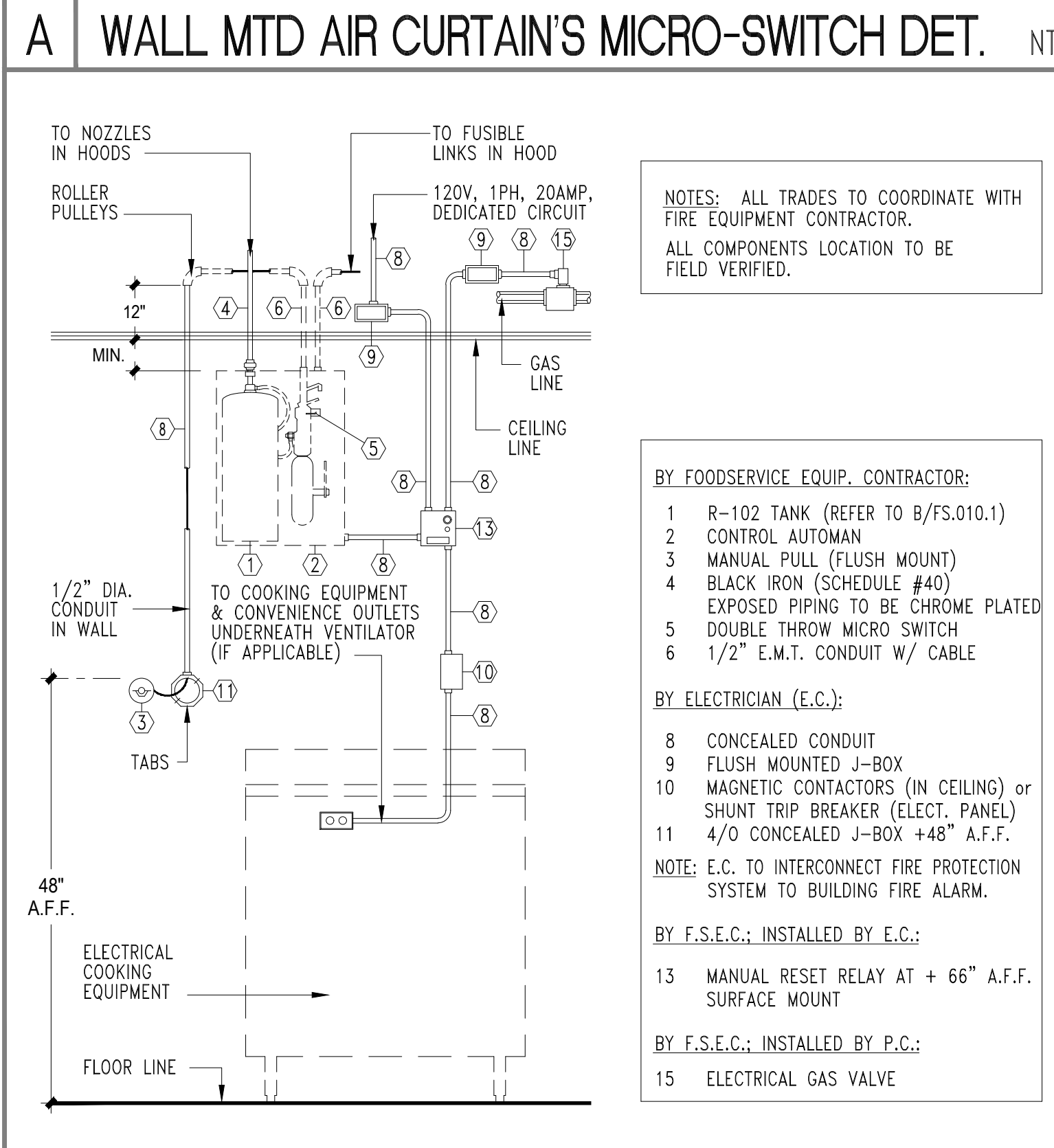
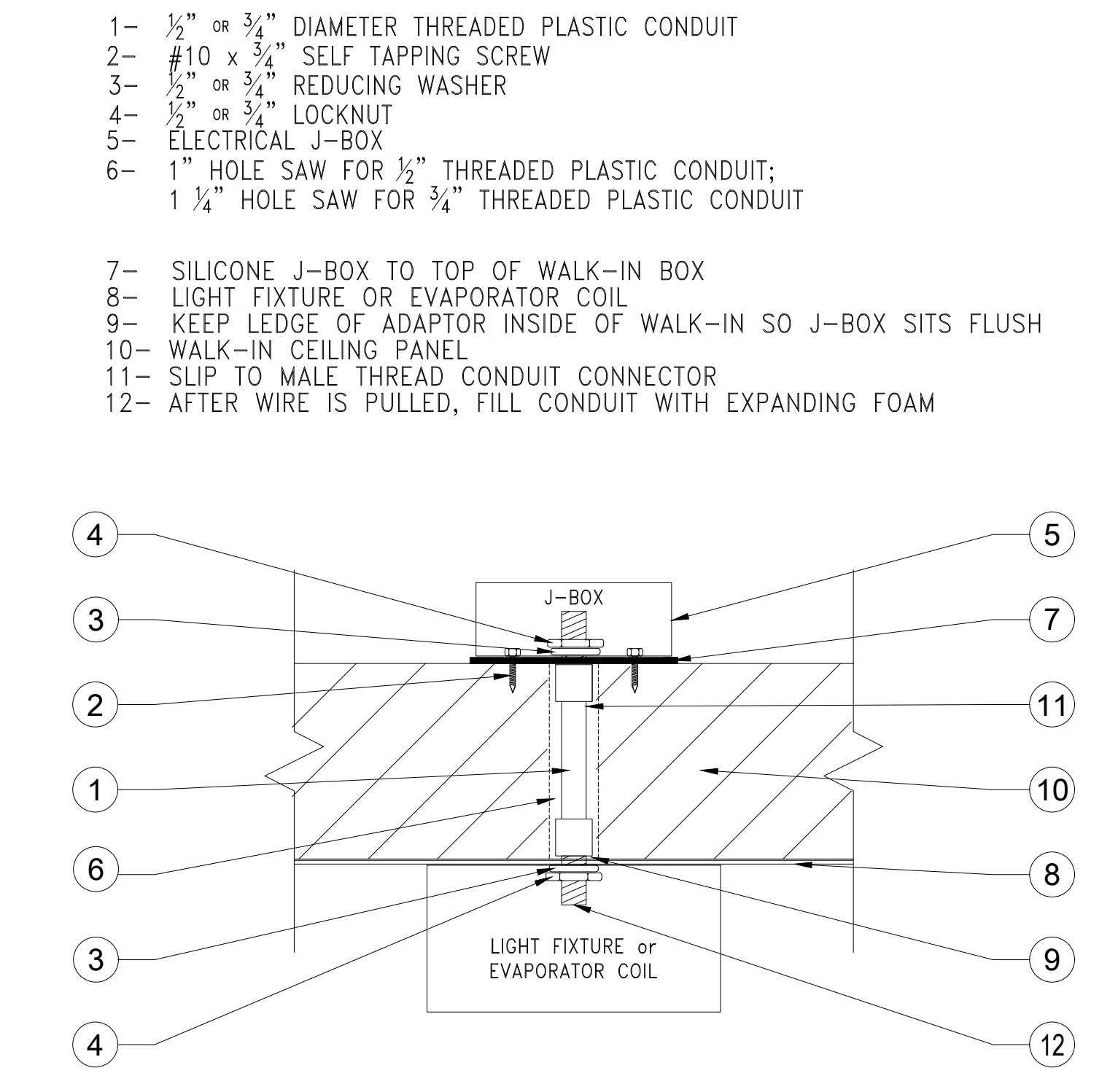
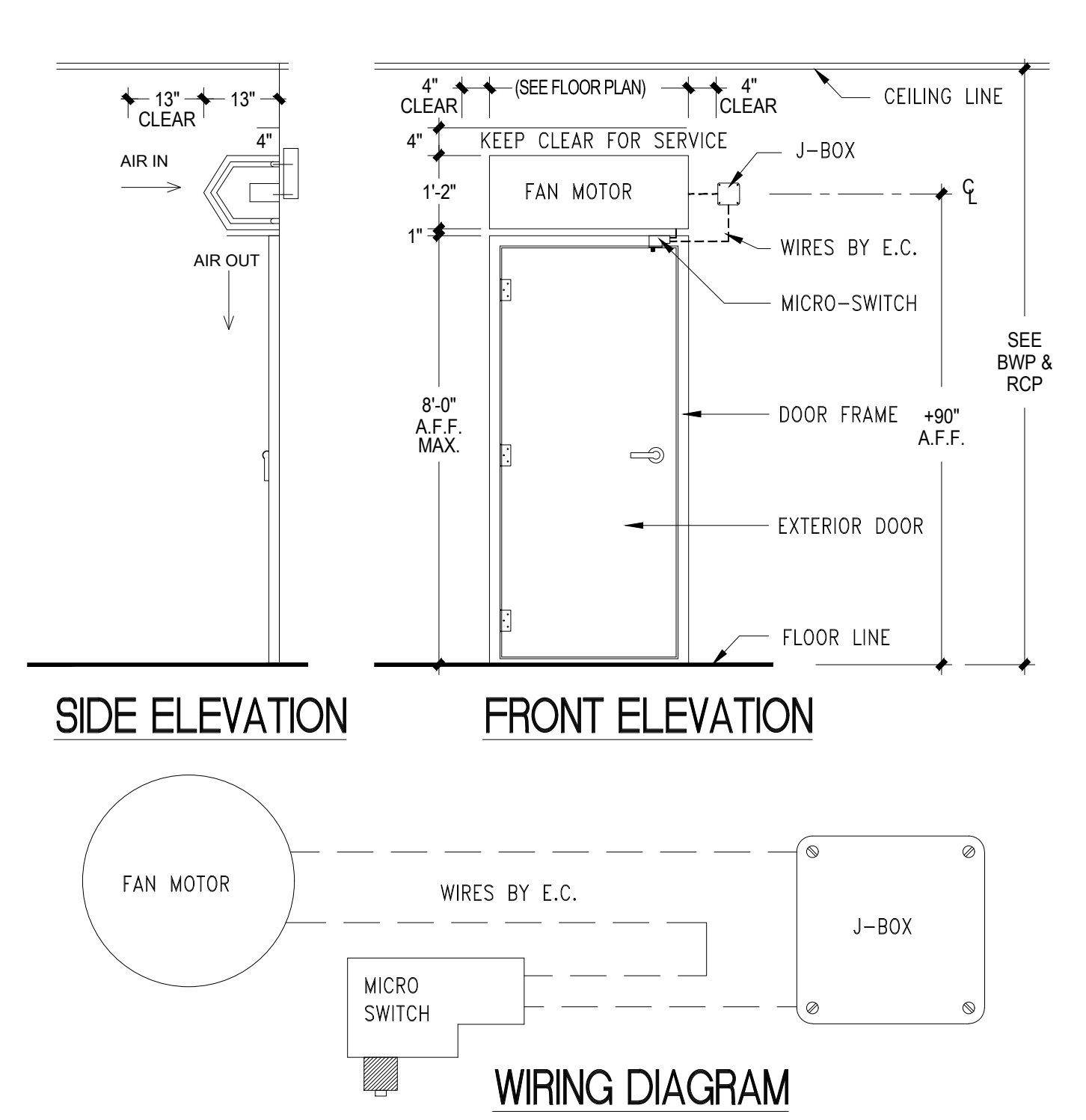


STAMPS

DIELI MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Dieli Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

**RUHNAU
 CLARKE
 ARCHITECTS**

CONSULTANT BRANDING



ELECTRICAL LEGEND

- 120 VOLT 1Ø CONVENIENCE OUTLET (C.O.)
- 120 VOLT 1Ø 8W LED LIGHT FIXTURE
- 120 VOLT 1Ø DROP CORD DOWN FROM CEILING
- JUNCTION BOX
- 2Ø8 VOLT 1Ø OR 3Ø DIRECT FLEXIBLE CONNECTION
- SWITCH
- SWITCH FOR HOOD LIGHTS
- INTERLOCK EXHAUST & M.U.A. FANS
- EXHAUST FAN
- MAKE-UP AIR FAN
-
- 120 VOLT 1Ø 3ØW LED HOOD OR W.I. LIGHT FIXTURE
- DATA LINE (VERIFY WIELECTRICAL ENGINEER)
- ITEM NUMBER (SEE EQUIPMENT SCHEDULE)
- 123 ITEM NUMBER (SEE EQUIPMENT SCHEDULE)
- UTILITY MOUNTING HEIGHT ABOVE FINISHED FLOOR
- KEYNOTE SYMBOL (SEE KEYNOTES BELOW)

ELECTRICAL KEYNOTES

- 1 J-BOX STUB-DOWN FROM ABOVE AND CONNECT TO HOOD LIGHTS
- 2 J-BOX LOCATED 12" ABOVE CEILING LINE FOR FIRE SUPPRESSION SYSTEM AUTOMAN (SEE DETAIL B.FS.04.0)
- 3 OCTAGON PULL BOX FOR FIRE SUPPRESSION SYSTEM - SEE DETAIL B.FS.04.0
- 4 WALL MOUNTED AIR CURTAIN'S MICRO SWITCH - SEE DETAIL A.FS.04.0
- 5 EXHAUST FAN AND LIGHT TO BE INTERLOCKED IN EMPLOYEE RESTROOM
- 6 DATA LINE TO SERVER - VERIFY LOCATION WITH ELECTRICAL ENGINEER
- 7 TYPICAL WALK-IN BOX WIRING - SEE DETAIL C.FS.04.0
- 8 CONVENIENCE OUTLETS - 120 VOLTS 1Ø = 15 AMPS; 2Ø8 VOLTS 1Ø = 3Ø AMPS; VERIFY WIELECT ENGINEER
- 9 ADDITIONAL CONVENIENCE OUTLETS, DATA & TELEPHONE LINES (IF APPLICABLE) TO BE VERIFIED WIELECT ENGINEER
- 10 REFRIGERATION RACK LOCATED ON ROOF - SEE SHEET A-3.1 FOR EXACT LOCATION
- 11 ALL ELECTRICAL TO STUB INTO FLOOR BOXES 'BUMPED UP' 3/8" MAX. AT 2 TO 1 SLOPE TO PROTECT FROM WATER
- 12 J-BOX STUB-UP +1'0" AND CONNECT TO EQUIPMENT - SEE DETAIL E.FS.04.0
- 13 REFERENCE TO ELECTRICAL ENGINEER'S DRAWINGS FOR SHUNT TRIP CONTACTOR AND EXHM.U.A. INTERLINK WIRING INFO.
- 14 EXHAUST & M.U.A. FAN MUST BE INTERLOCKED SWITCH

NOTE:
 REFERENCE TO ELECTRICAL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION

NOTE:
 ALL CONDUIT TO BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AND COORDINATED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR

NOTE:
 ALL CONDUIT TO BE SUPPLIED AND INSTALLED BY THE E.C. AND COORDINATED BY THE FOOD SERVICE EQUIP. CONTRACTOR

NOTE:
 SEE SHEET FS.02.0 FOR ELECTRICAL NOTES AND OTHER APPLICABLE NOTES

FOR REFERENCE ONLY

PROJECT No. : 1-34-32
 7/5/2024 12:53 PM

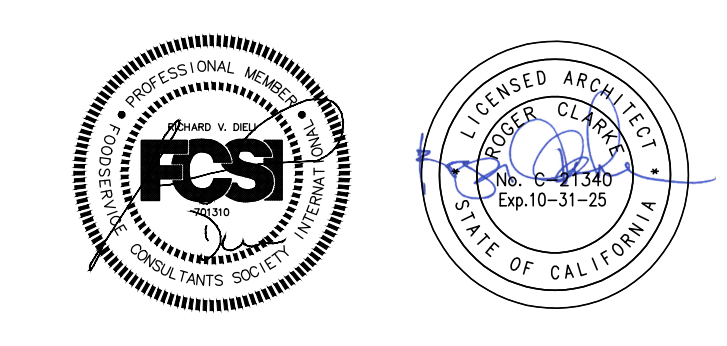
ISSUE No.	DATE	DESCRIPTION	REVISION No.	DATE	DESCRIPTION

RUHNAUCLARKE.COM

KITCHEN UPGRADES
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

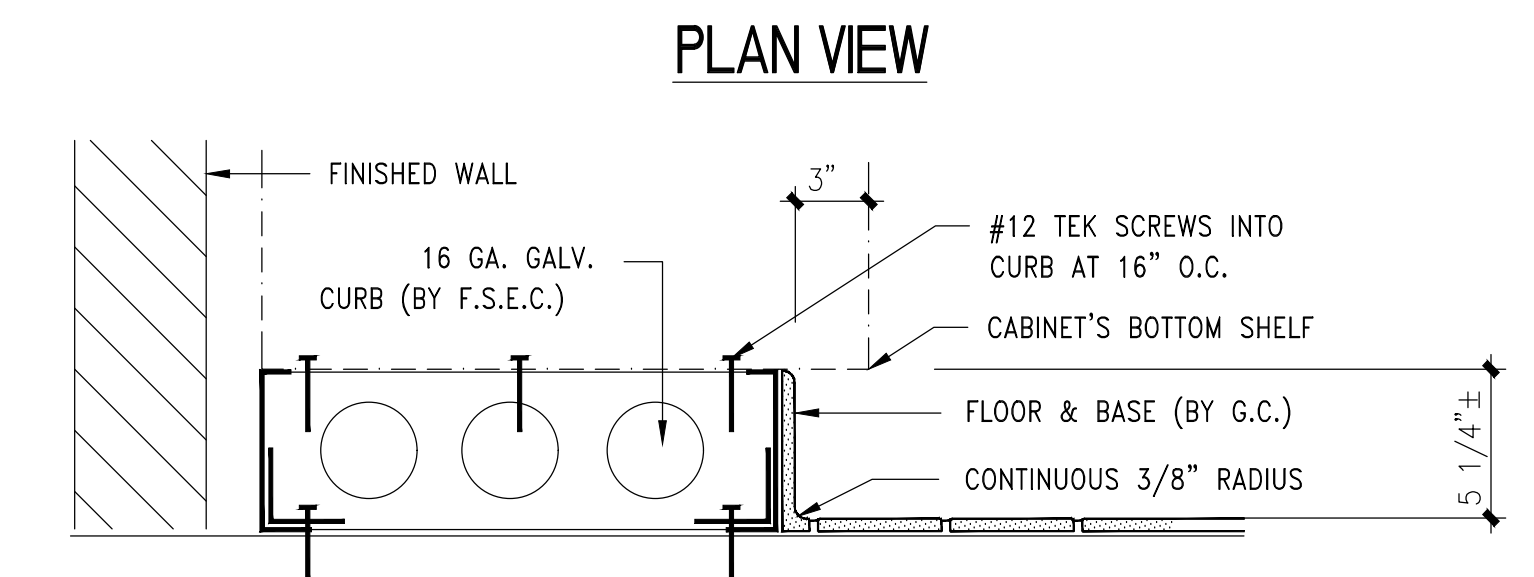
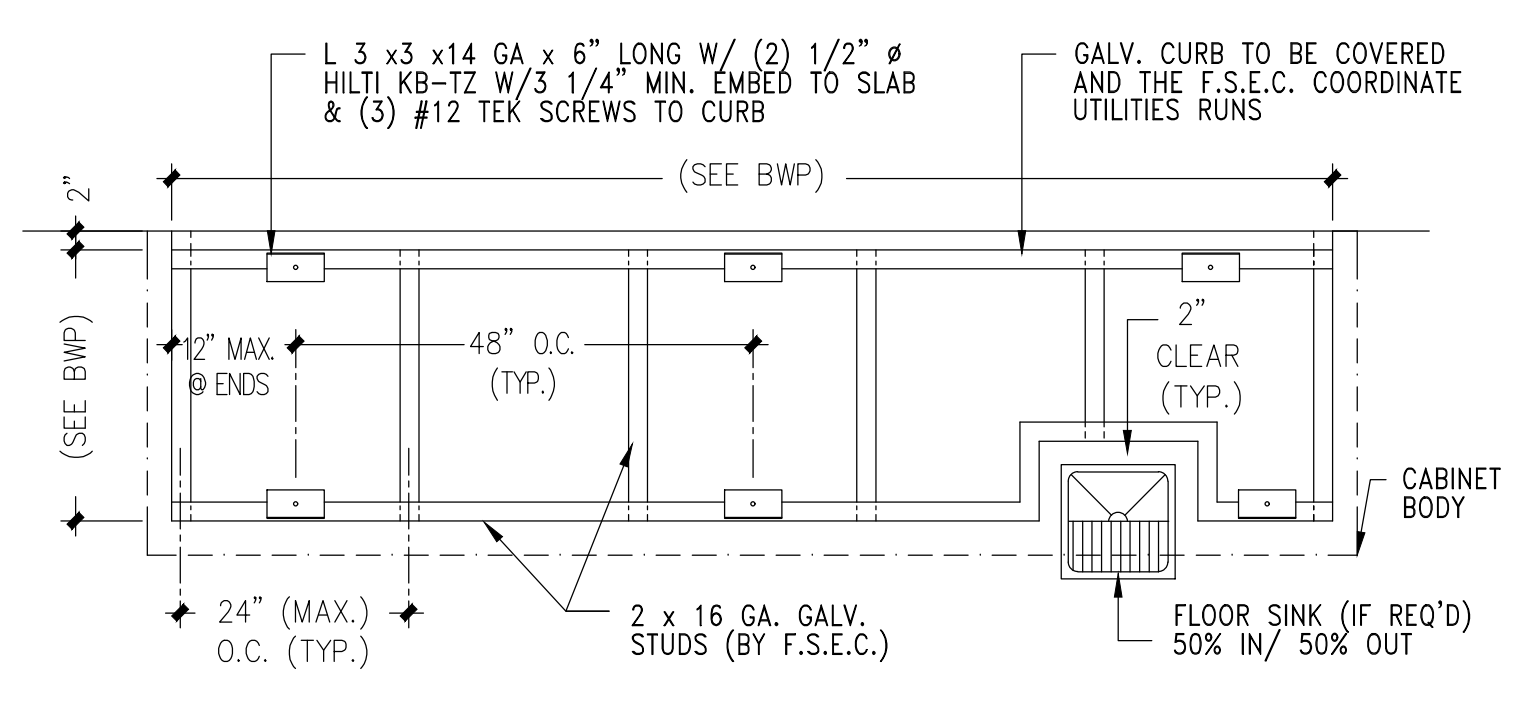
**FOODSERVICE EQUIP.
 ELECTRICAL PLAN
 FS.04.0**

KITCHEN UPGRADES:



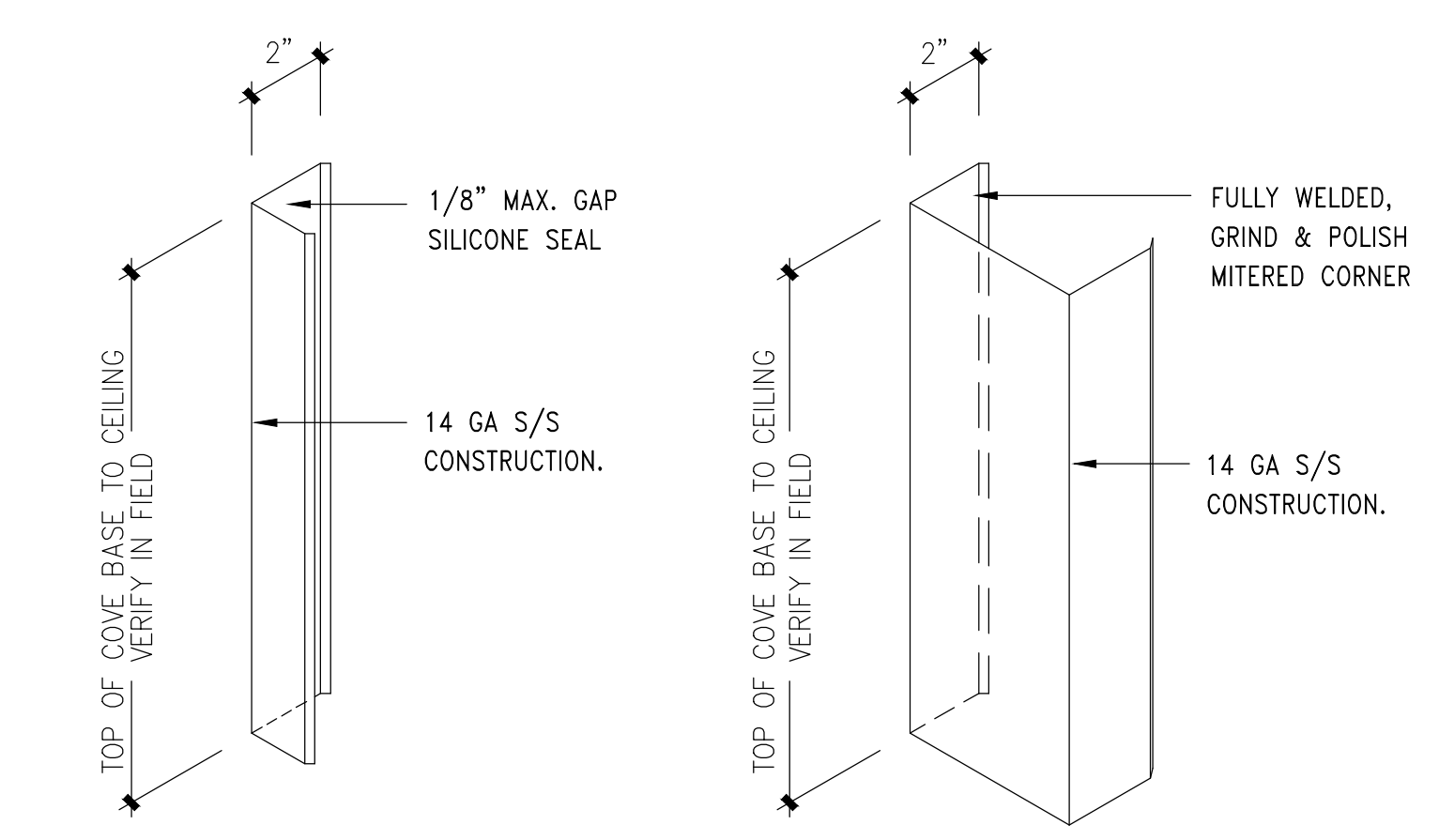
DIELI MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Dieli Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

**RUHNAU
 CLARKE
 ARCHITECTS**



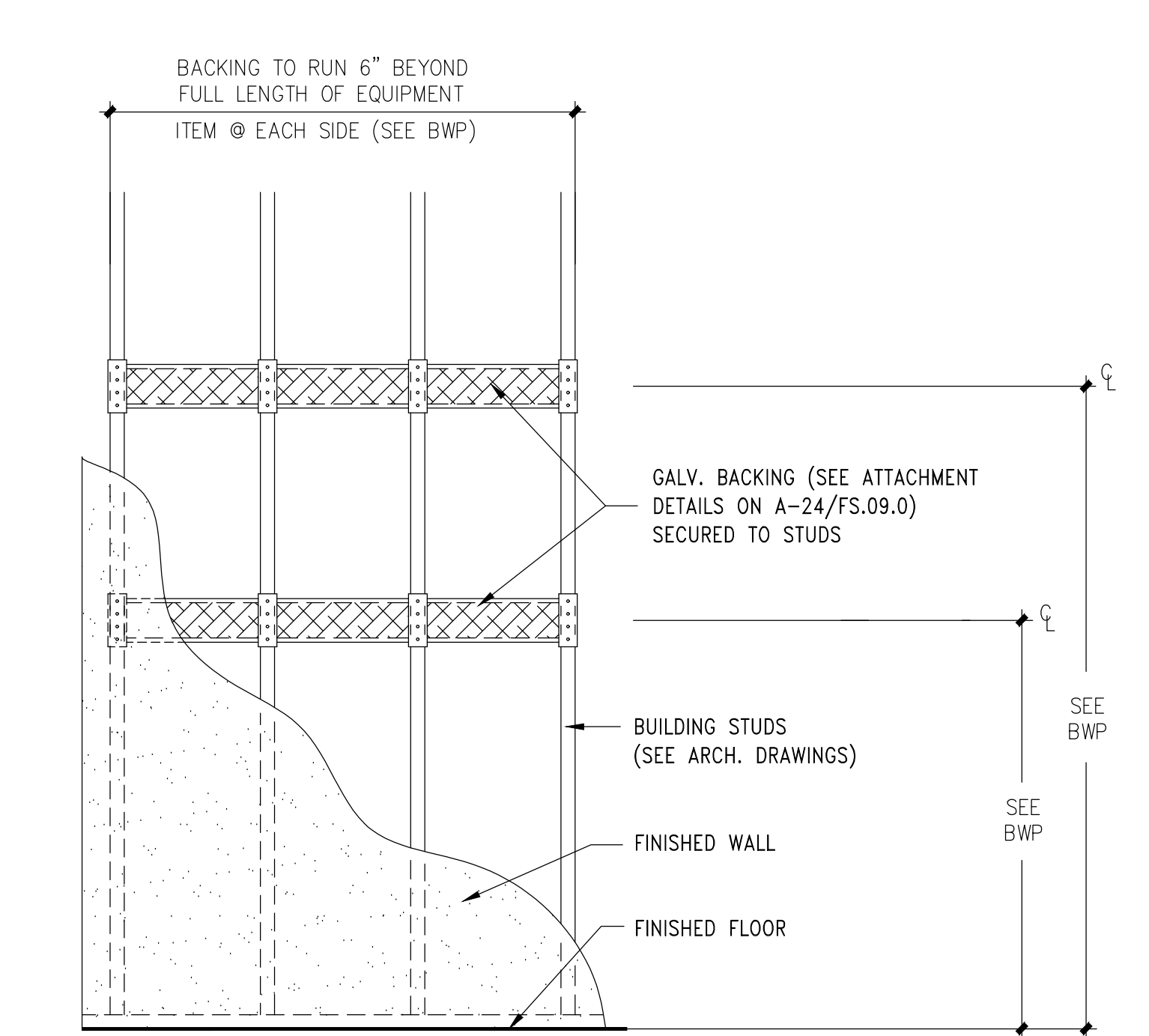
NOTE #2: INSTALL BORIC ACID BY A LICENCE PEST CONTROL CONTRACTOR PER LOCAL CODES.
NOTE #1: ON ALL FRAMED PLATFORMS IN FOODSERVICE AREAS, THE F.S.E.C. TO PROVIDE MIN. 1/2\"/>

A GALVANIZED CURB FOR COUNTER DETAIL NTS



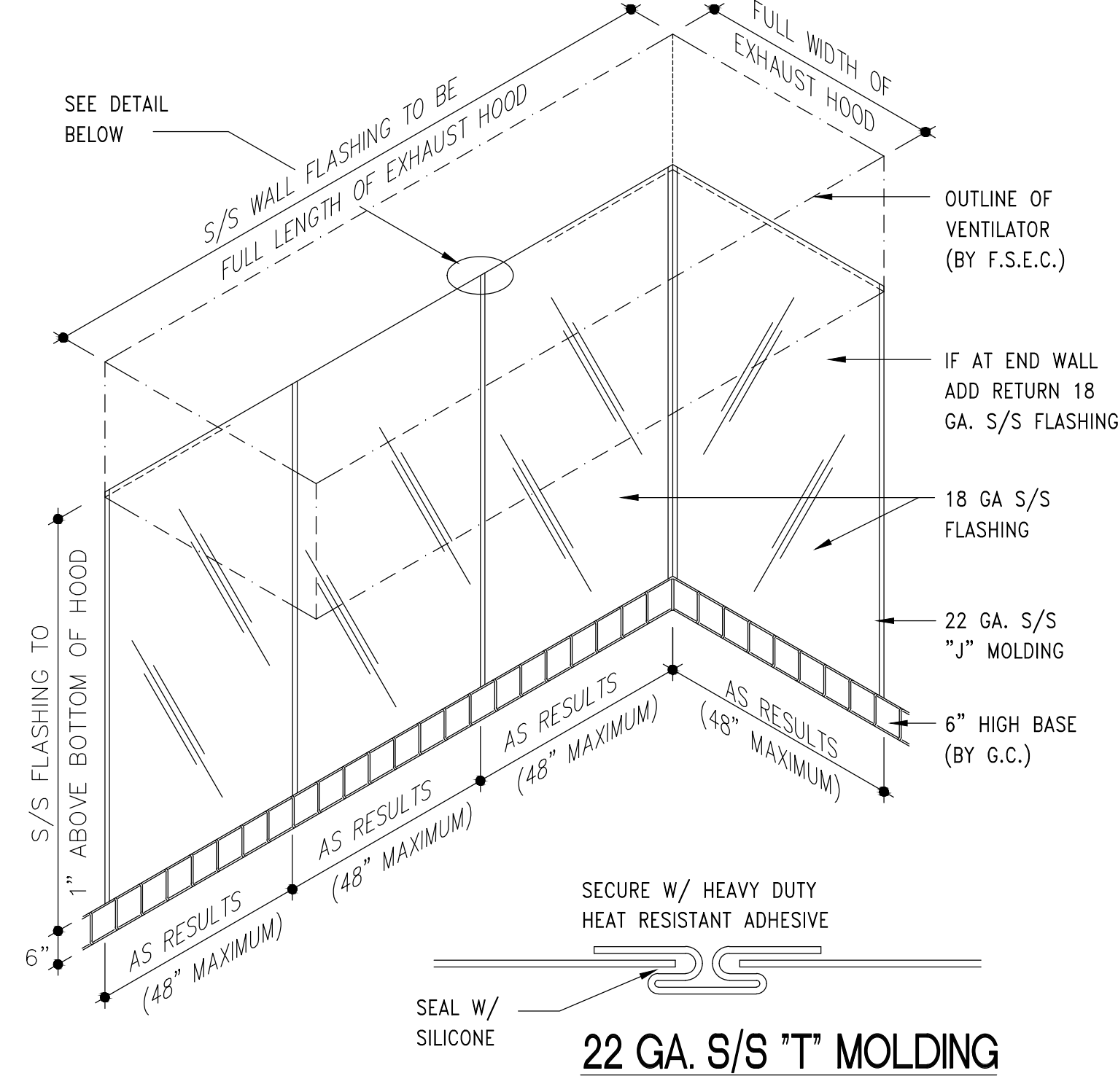
SECTION THRU CORNER GUARD
SECTION THRU END/WALL CAP

D S/S CORNER GUARD/END CAP/WALL CAP NTS

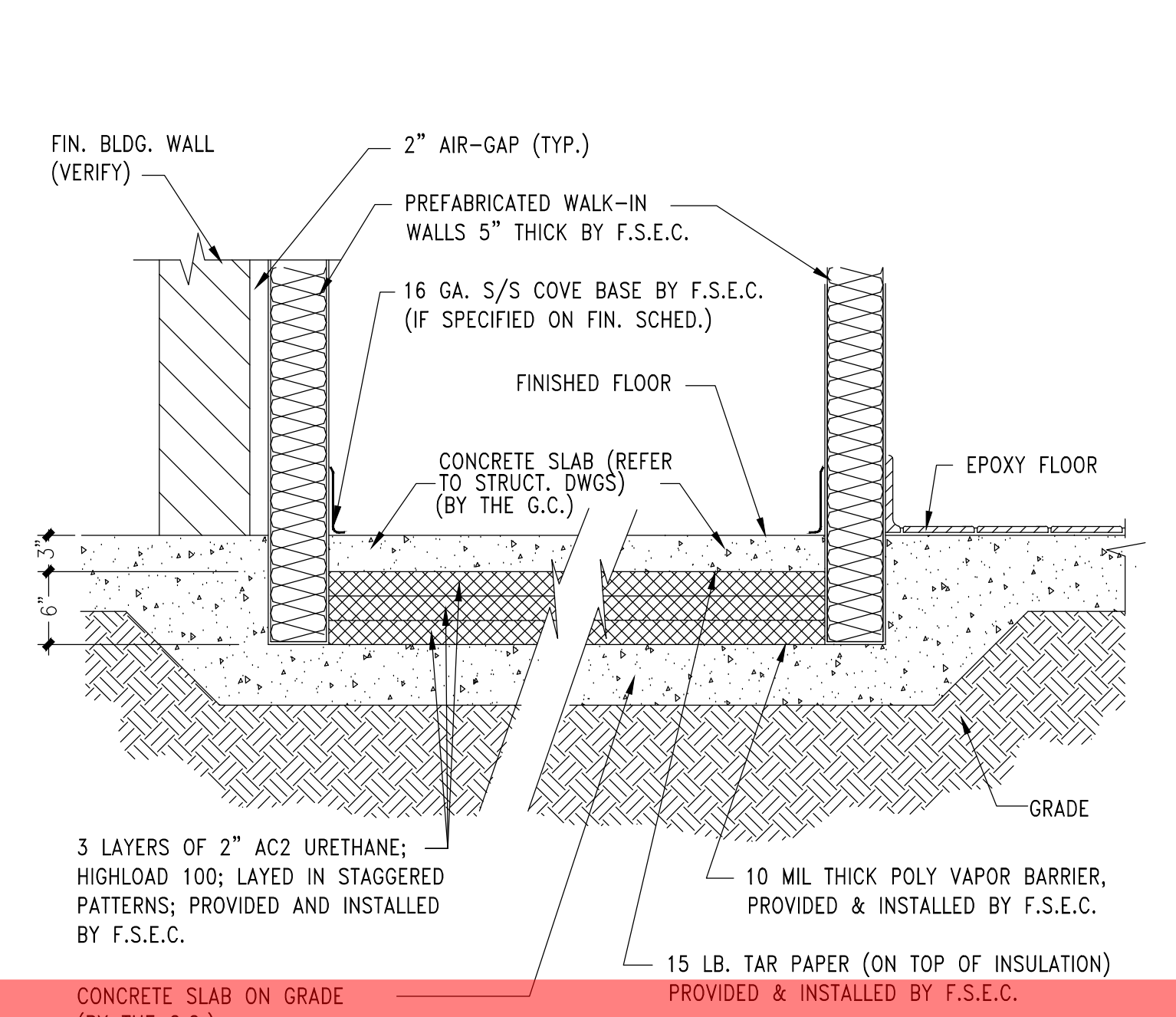


NOTE: WALL-BACKING TO BE VERIFIED AND COORDINATED BY THE F.S.E.C.

B WALL BACKING DETAIL NTS

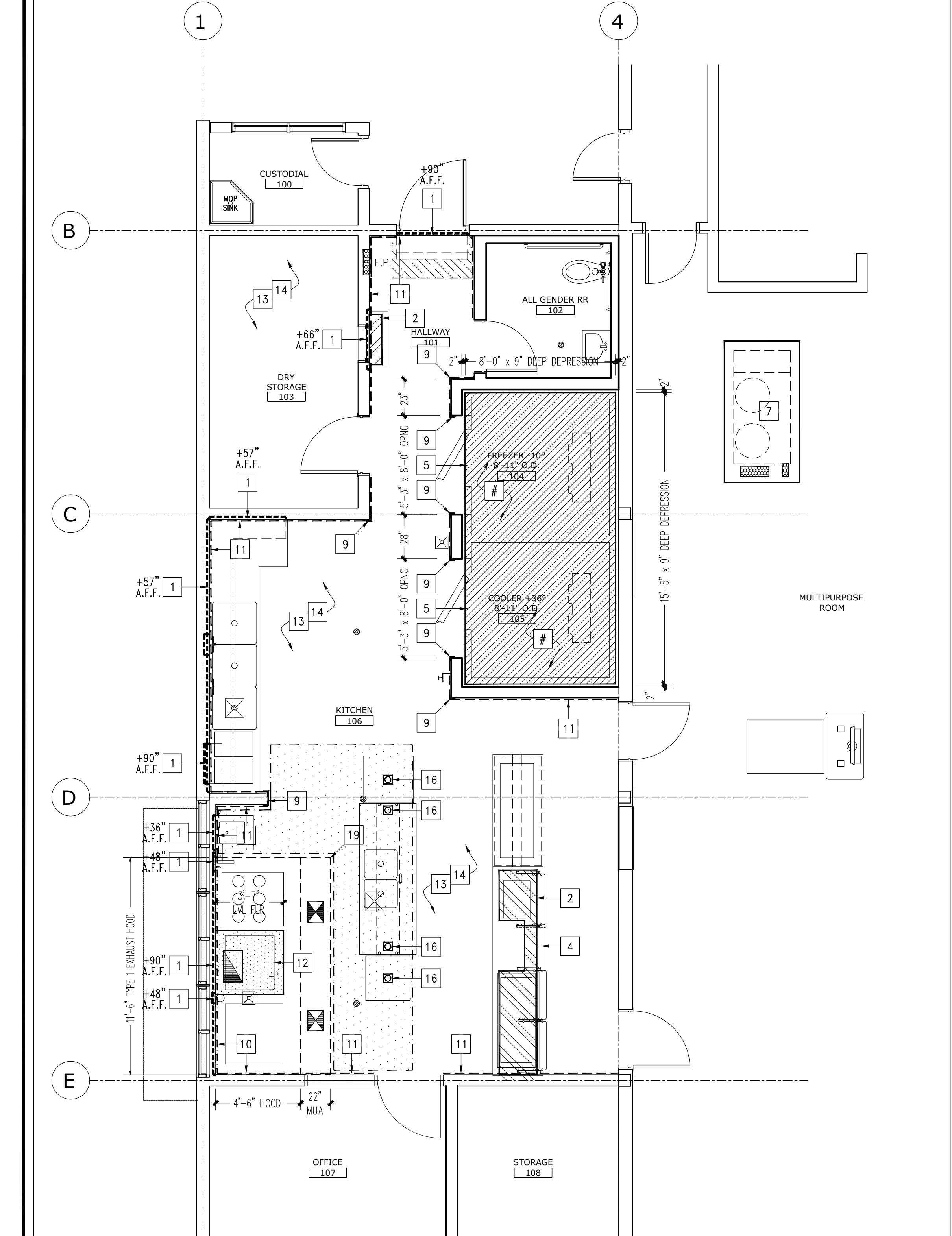


E 18 GA. S/S WALL FLASHING DETAIL NTS



NOTE: THE WALK-IN COOLER MUST HAVE A FLOOR THAT IS GRADED, SO THAT IT DRAINS TO THE OUTSIDE THROUGH A WASTE PIPE OR DOORWAY.

C WALK-IN FLOOR 9\"/>



FOODSERVICE EQUIP. BUILDING WORK PLAN SCALE 1/4\"/>

NOTE:
 SEE SHEET FS.02.0 FOR EXHAUST, BLDG., HVAC NOTES AND OTHER APPLICABLE NOTES

BUILDING WORK LEGEND

- WALL BACKING (14 GA. G.I.)
- S/S WALL FLASHING
- EXHAUST DUCT CONNECTION
- MAKE-UP AIR DUCT CONNECTION
- EXHAUST HOOD OUTLINE
- DROP CORD SET, DOWN FROM CEILING
- SMOOTH AND LEVELED FLOOR AREA
- WALL or WINDOW OPENING
- FLOOR DEPRESSION
- FIBERGLASS REINFORCED PLASTIC (F.R.P.)
- FLOOR DRAIN
- STEEL KICKBASE OUTLINE
- FLOOR SINK AT STEEL KICKBASE OUTLINE
- KEYNOTE SYMBOL (SEE KEYNOTES BELOW)

BUILDING WORK KEYNOTES

- WALL BACKING - HEIGHT AS INDICATED SEE DETAIL B/FS.05.0
- GALV CURB OUTLINE SEE DETAIL A/FS.05.0
- NOT USED
- COUNTERTOP LINE AND/OR EQUIPMENT SEE ELEVATION SHEETS FS.07.0
- FLOOR DEPRESSION @ WALK-IN BOX SEE DETAIL C/FS.05.0
- NOT USED
- REFRIG. RACK'S PLATFORM ON ROOF (SEE SHEET FS.06.1) SEE SHEET A-3.0 FOR EXACT LOCATION
- NOT USED
- STAINLESS STEEL END CAP, CORNER GUARD, AND WALL CAPS - SEE DETAIL D/FS.05.0
- S/S WALL FLASHING (FLOOR TO UNDERSIDE OF HOOD & UNDER-SIDE OF FINISHED CEILING WHERE NO HOOD; DETAIL E/FS.05.0)
- F.R.P. (FIBERGLASS REINFORCED PANELS) FROM TOP OF COVE BASE TO FINISHED CEILING (SEE ARCH. SPECS/OWGS)
- FLOOR TO BE LEVEL AND SMOOTH FOR ROLL-IN UNITS
- EPOXY FLOOR TO HAVE SMOOTH SURFACE UNDER ALL EQUIP. AND ALL WALKWAYS TO HAVE A LIGHT TEXTURE ONLY.
- 9\"/>

WALL BACKING LEGEND

- WALL BACKING (PROVIDED BY F.S.E.C., INSTALLED BY G.C.) - ALL A.F.F. HEIGHTS ARE TO CENTERLINE OF 12\"/>

FOR REFERENCE ONLY

PROJECT No. : 1-34-32
 6/27/2024 1:11 PM

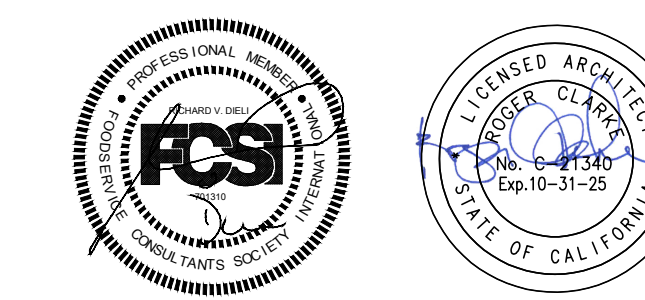
DATE	DESCRIPTION	DATE	DESCRIPTION

RUHNAUCLARKE.COM

KITCHEN UPGRADES
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

FOODSERVICE EQUIP. BUILDING WORK PLAN FS.05.0

KITCHEN UPGRADES:

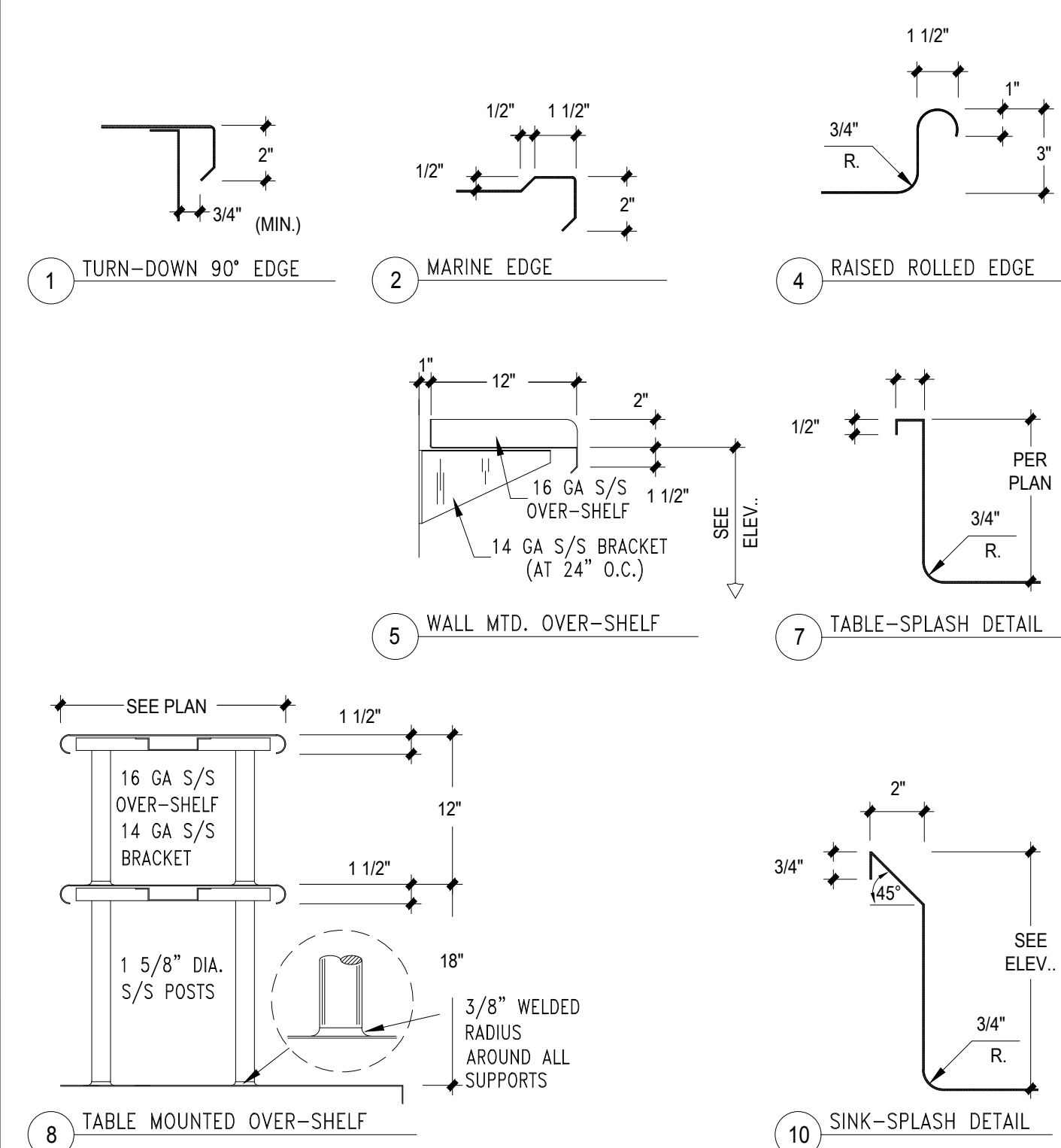


STAMPS

DIELI MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Dieli Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

**RUHNAU
 CLARKE
 ARCHITECTS**

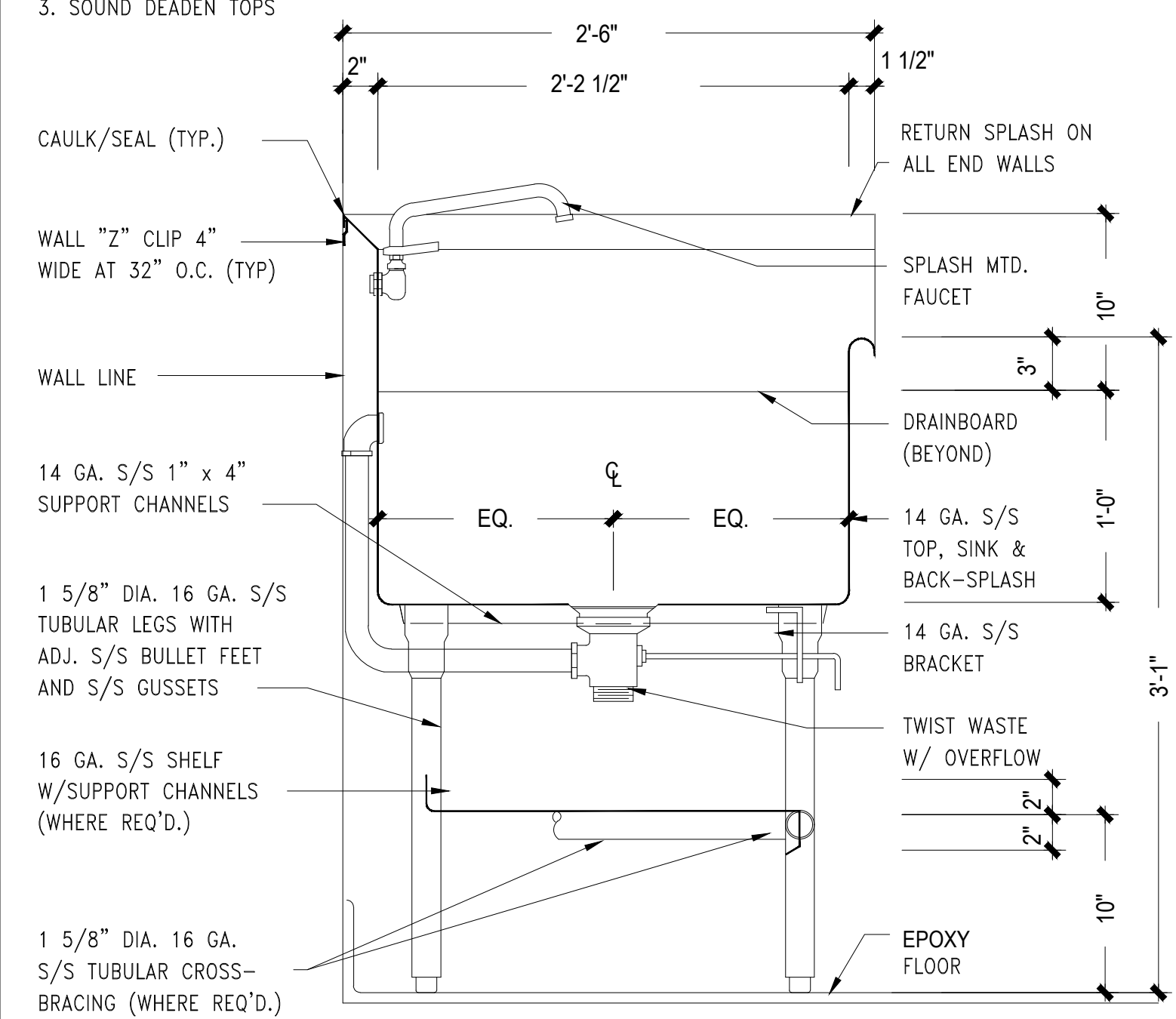
CONSULTANT BRANDING



A EDGE / SPLASH / OVER-SHELF DETAILS NTS

NOTES:
 1. BUILD TO NSF STANDARDS
 2. NO TRIM ALLOWED.
 1/8" MAX. TOLERANCE
 3. SOUND DEADEN TOPS

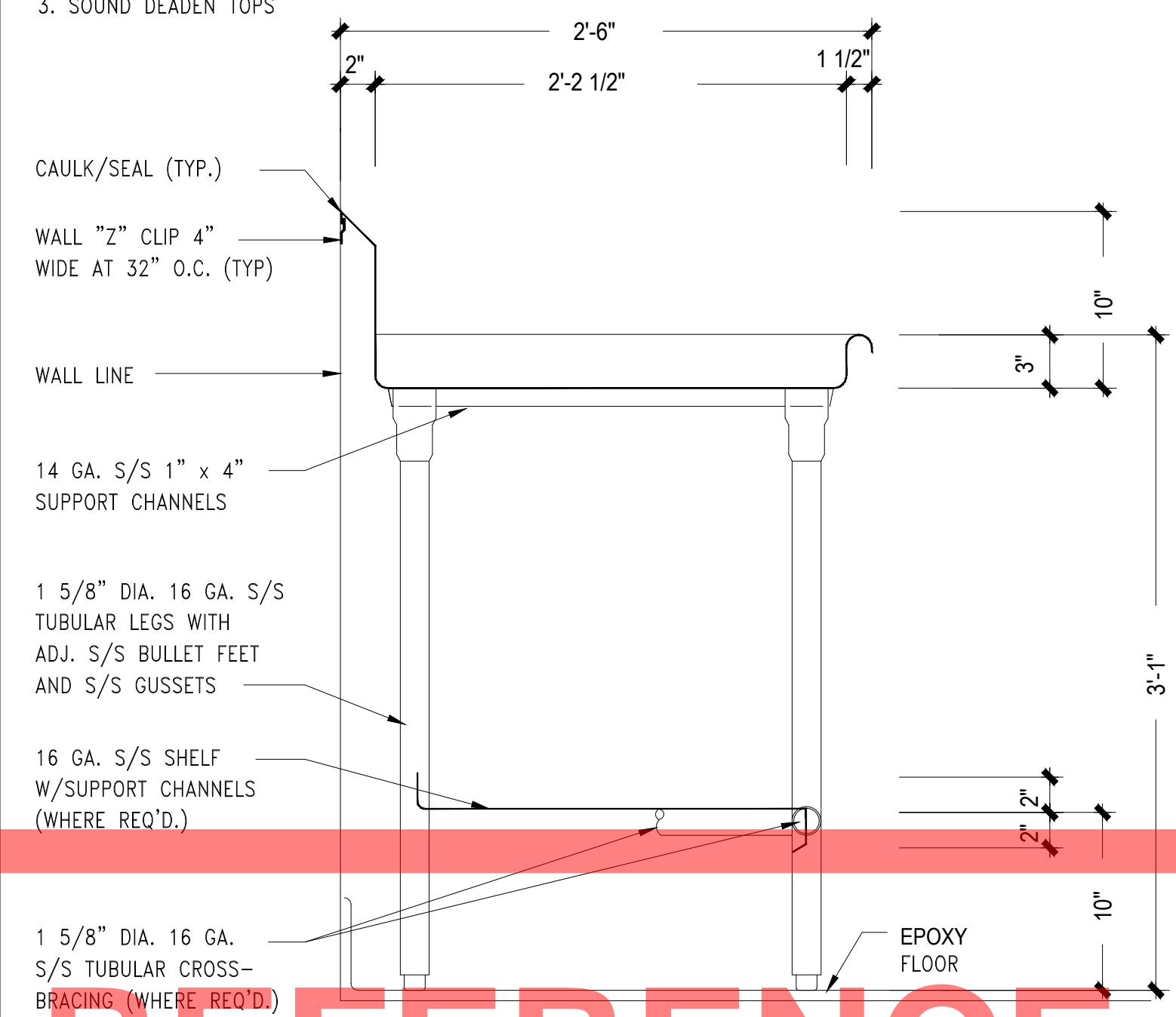
NOTE: PITCH DRAIN-BOARD TO 1/8" PER LIN. FT.



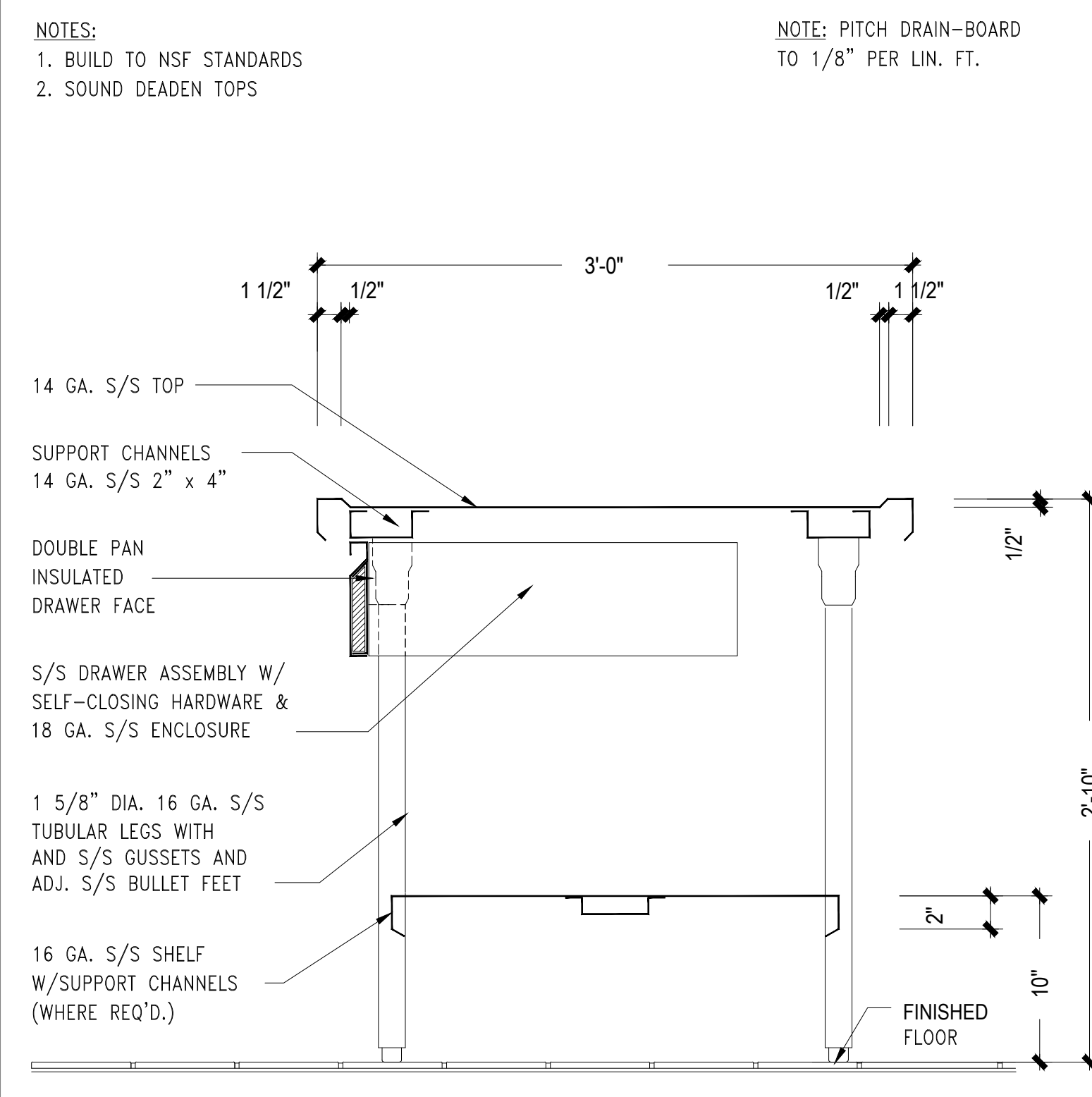
B SINK W/RAISED ROLLED EDGE SECTION 1 1/2"=1'-0"

NOTES:
 1. BUILD TO NSF STANDARDS
 2. NO TRIM ALLOWED.
 1/8" MAX. TOLERANCE
 3. SOUND DEADEN TOPS

NOTE: PITCH DRAIN-BOARD TO 1/8" PER LIN. FT.



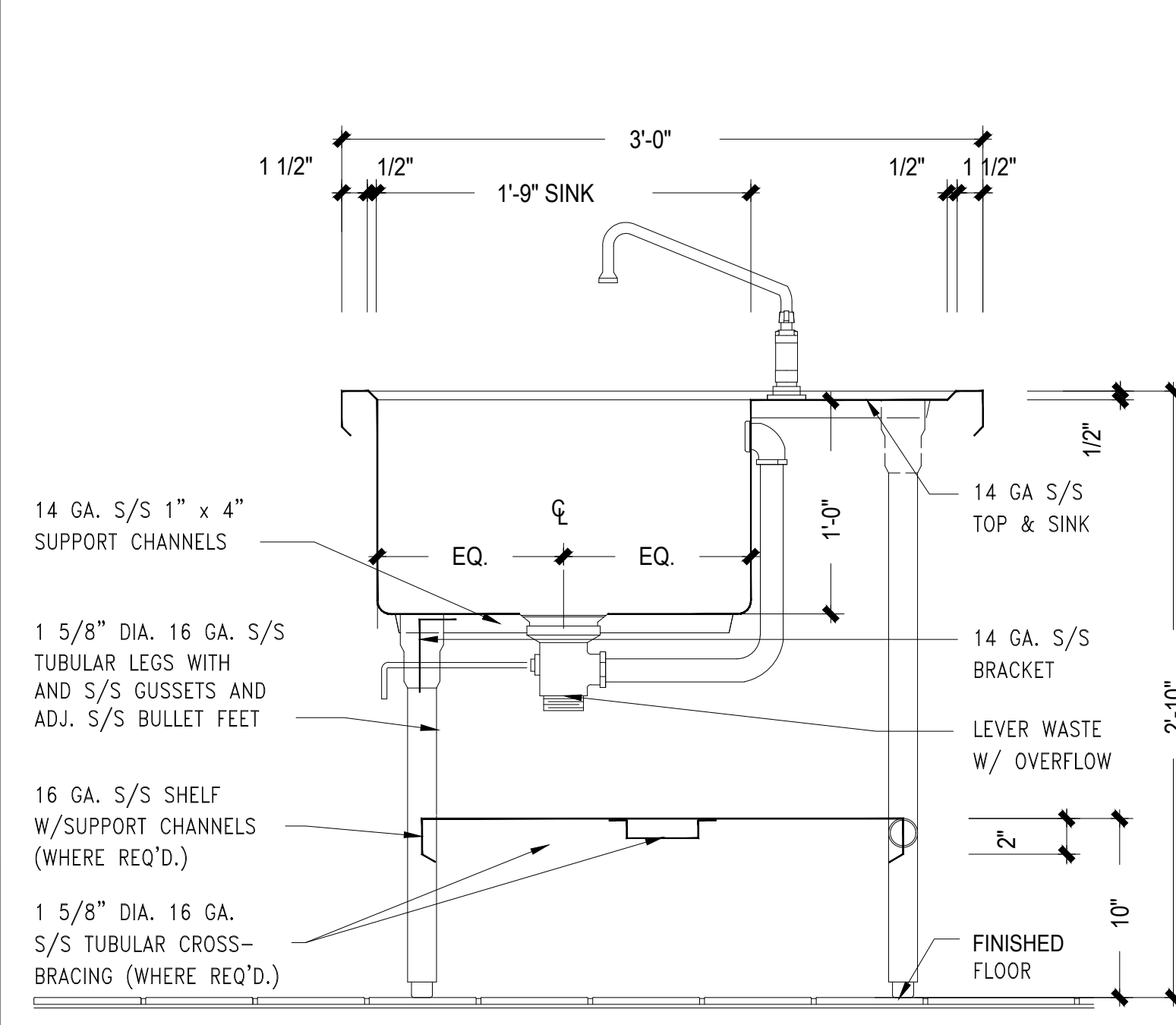
C CLEAN DISH-TABLE SECTION 1 1/2"=1'-0"



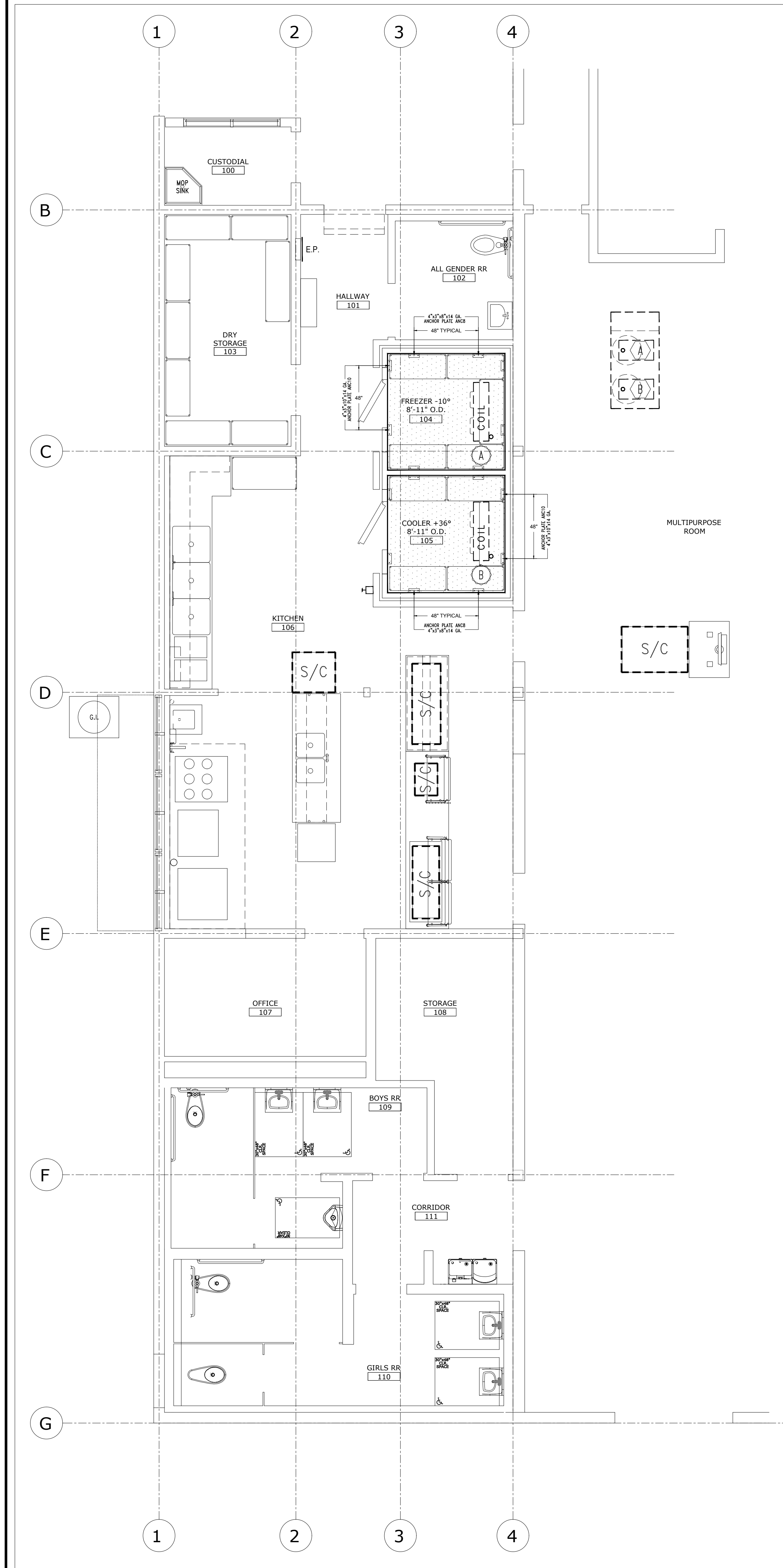
D PREP TABLE W/MARINE EDGE SECTION 1 1/2"=1'-0"

NOTES:
 1. BUILD TO NSF STANDARDS
 2. SOUND DEADEN TOPS

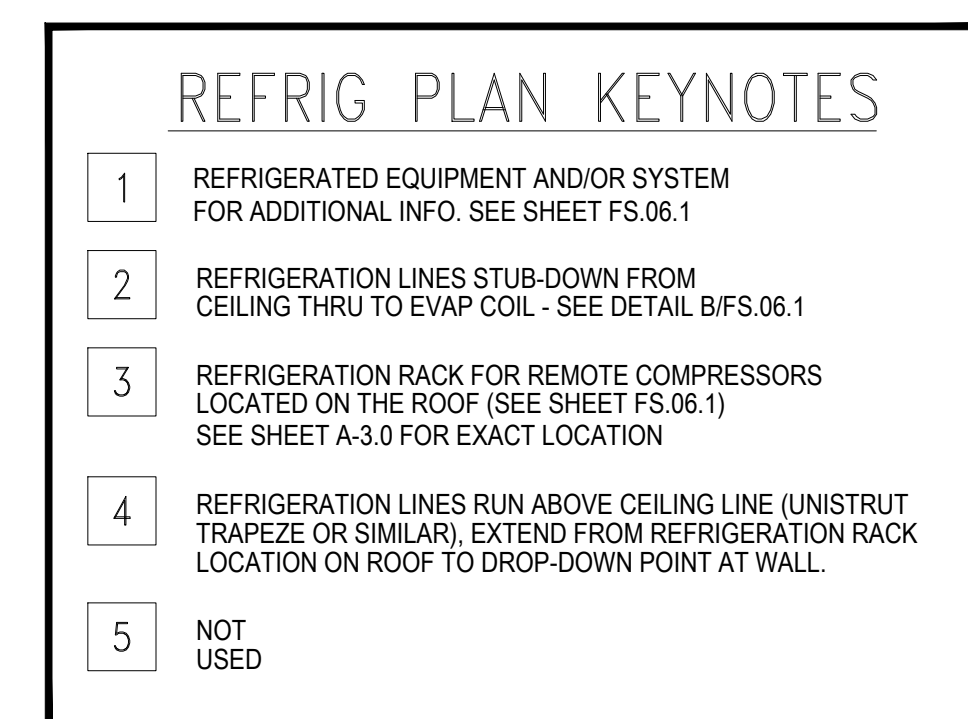
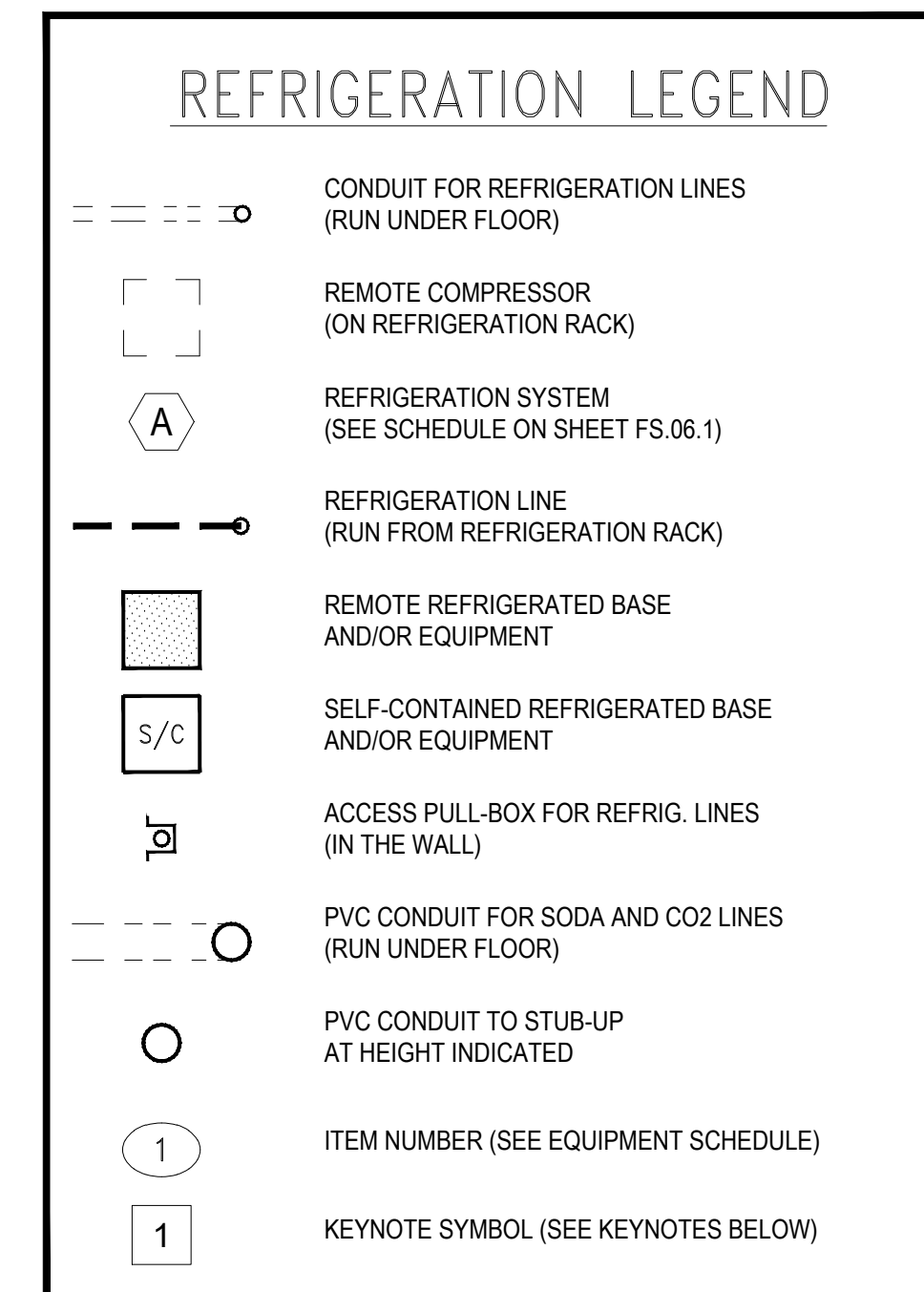
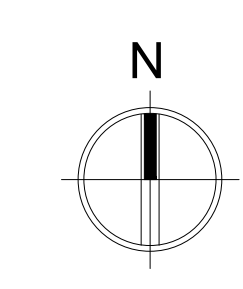
NOTE: PITCH DRAIN-BOARD TO 1/8" PER LIN. FT.



E 36" ISLAND SINK W/MARINE EDGE SECT. 1 1/2"=1'-0"



FOODSERVICE EQUIP. REFRIGERATION PLAN SCALE 1/4"=1'-0"



NOTE:
 ALL CONDUIT AND PULL BOXES WITH S/S COVERS TO BE SUPPLIED AND INSTALLED BY ELECT. CONTRACTOR & COORDINATED BY FOOD SERVICE EQUIPMENT CONTRACTOR

NOTE:
 SEALED & PRESSURIZED WITH 350 LBS. OF NITROGEN FOR 48 HOUR PERIOD. REFRIG. CONTRACTOR TO USE GAUGE TO VERIFY.

NOTE:
 REFRIGERATION RACK LINES ARE FOR GRAPHIC PURPOSES ONLY. IT IS NOT MEANT TO SHOW ROUTING.

NOTE:
 SUCTION LINE TO SLOPE 1/2" PER 10'-0" MINIMUM TOWARDS COMPRESSOR ON HORIZONTAL RUNS.

NOTE:
 SEE SHEET FS.02.0 FOR REFRIGERATION NOTES AND OTHER APPLICABLE NOTES

FOR REFERENCE ONLY

PROJECT No. : 1-34-32
 7/5/2024 12:52 PM

DATE	DESCRIPTION	DATE	DESCRIPTION

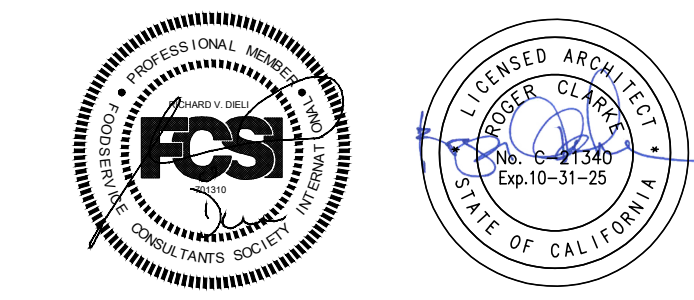
RUHNAUCLARKE.COM

KITCHEN UPGRADES
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

FOODSERVICE EQUIP. REFRIGERATION PLAN

FS.06.0

KITCHEN UPGRADES:



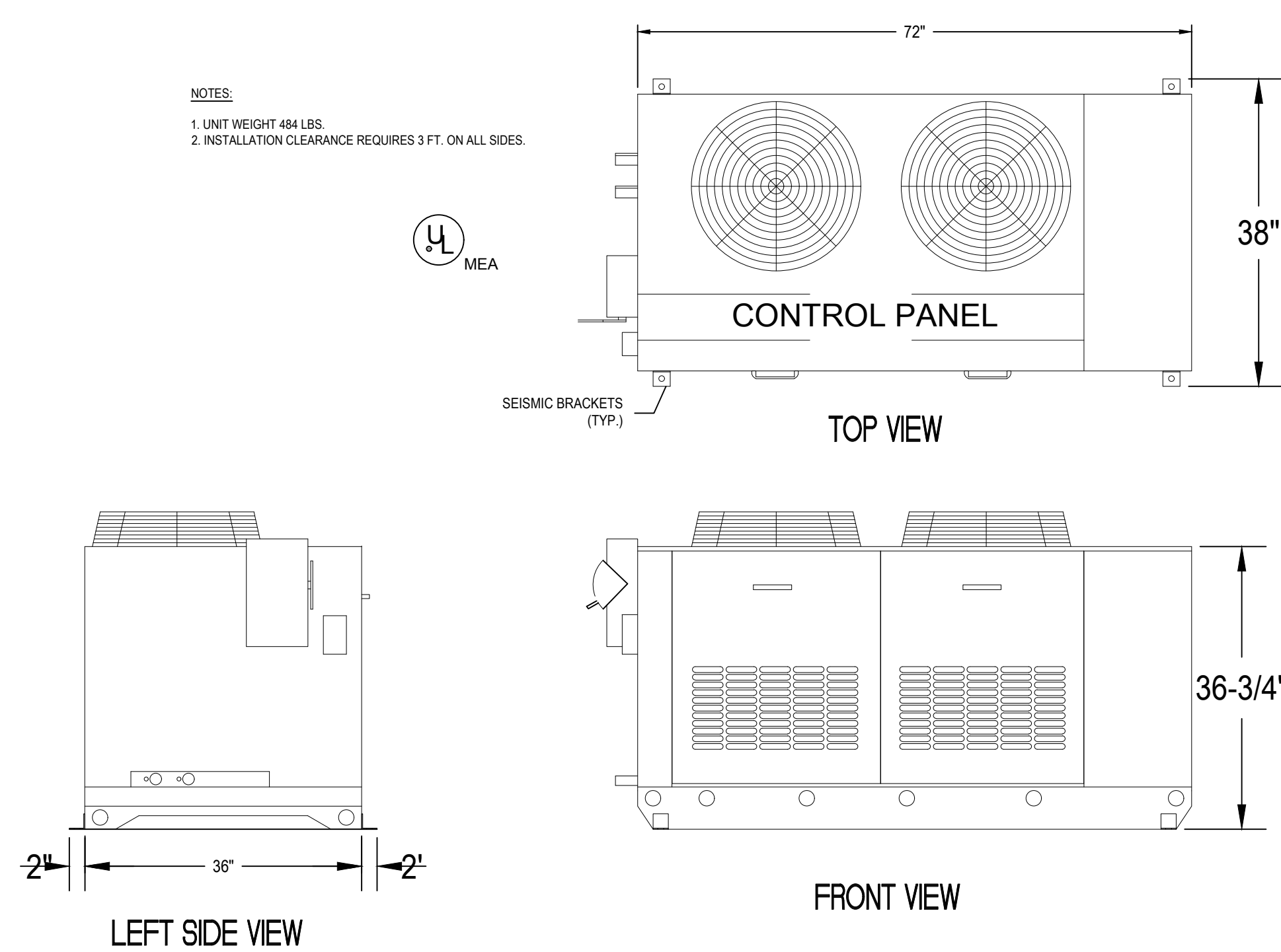
STAMPS

DIEL MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Diel Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

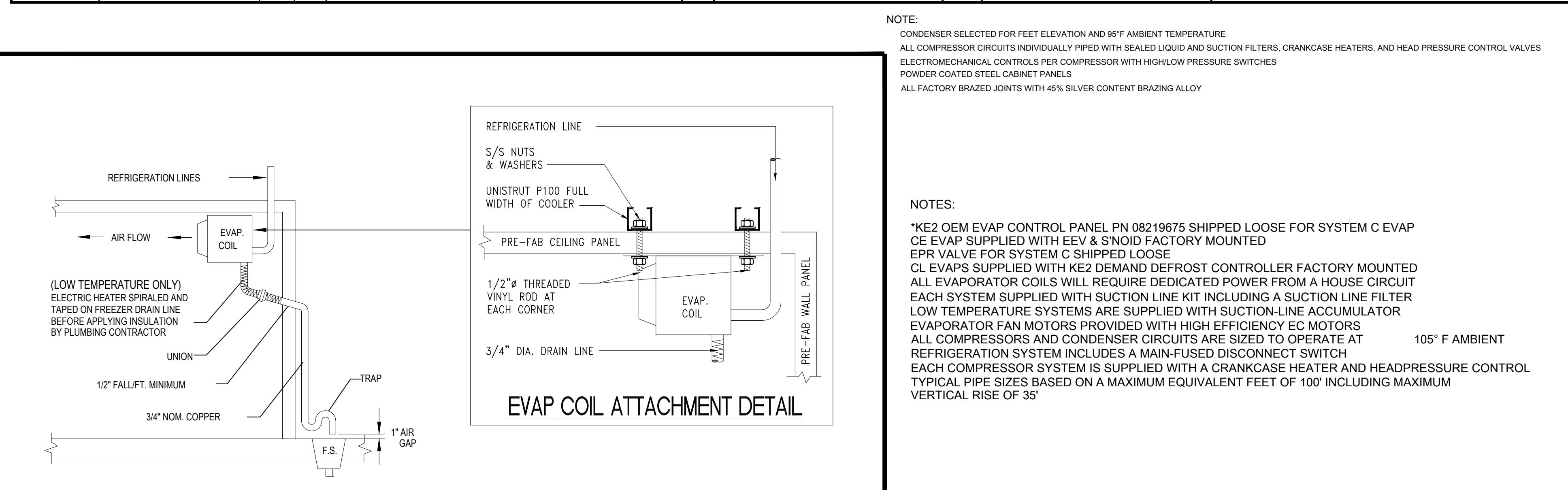
**RUHNAU
 CLARKE
 ARCHITECTS**

CONSULTANT BRANDING

NOTES:
 1. UNIT WEIGHT 484 LBS.
 2. INSTALLATION CLEARANCE REQUIRES 3 FT. ON ALL SIDES.



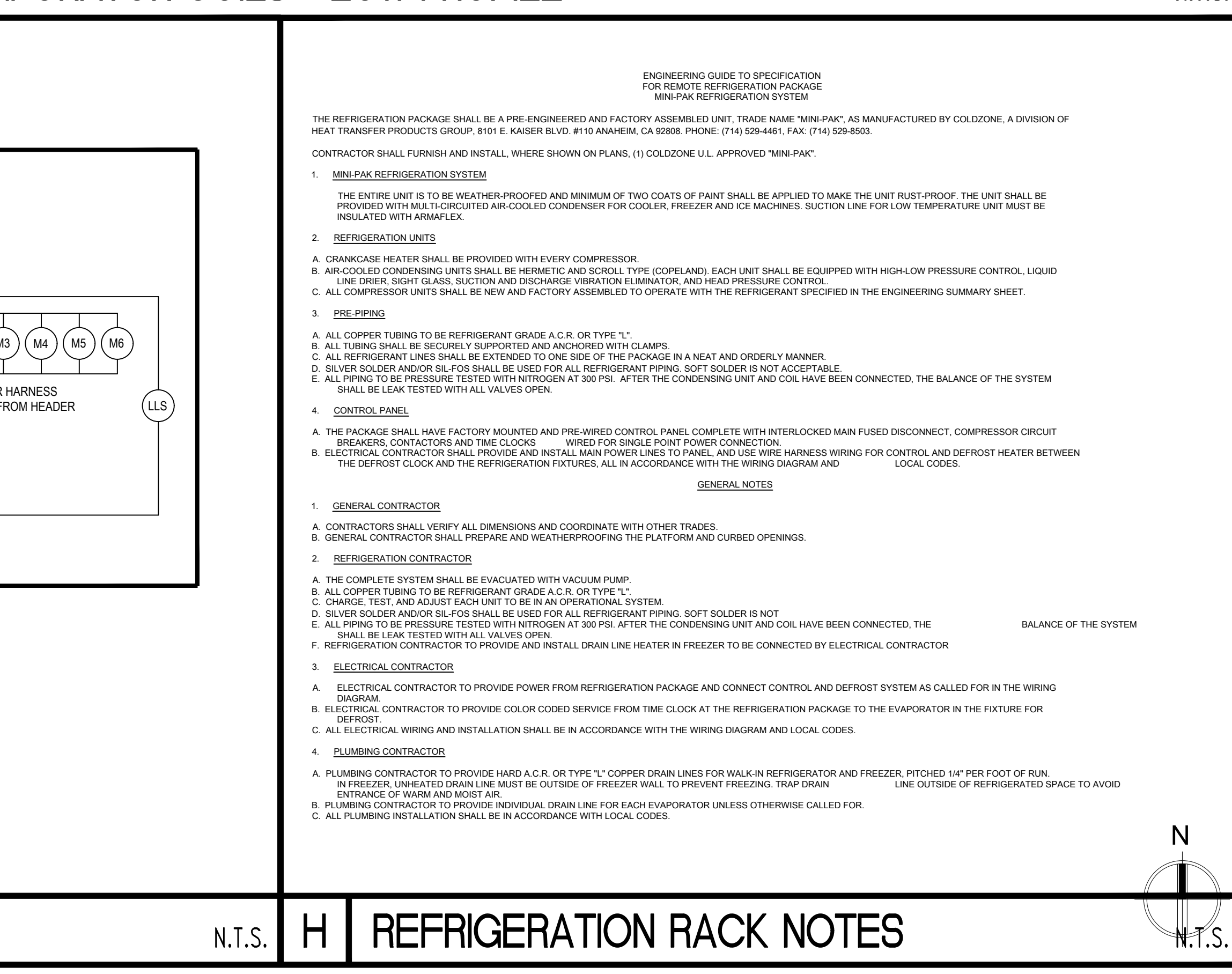
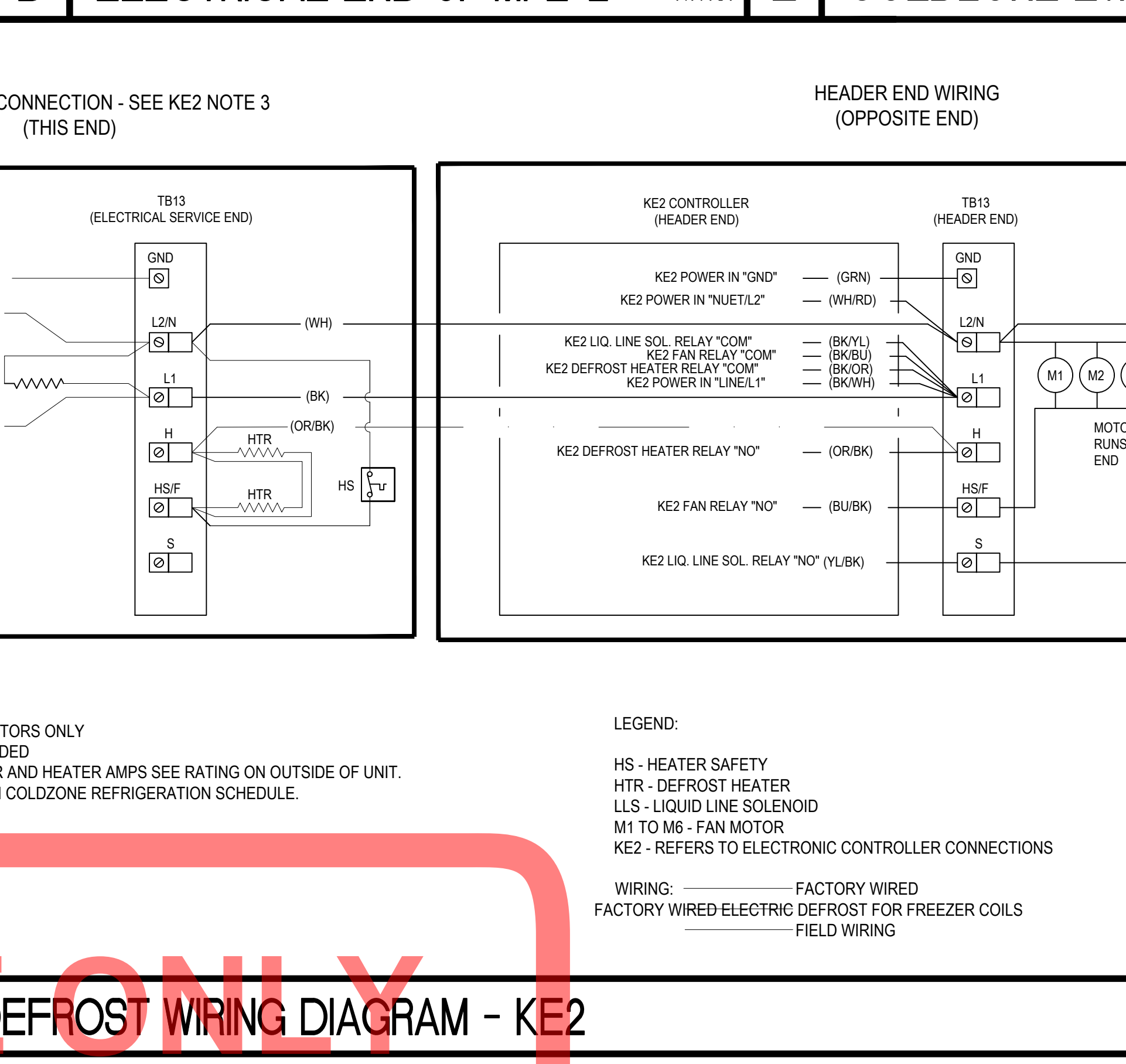
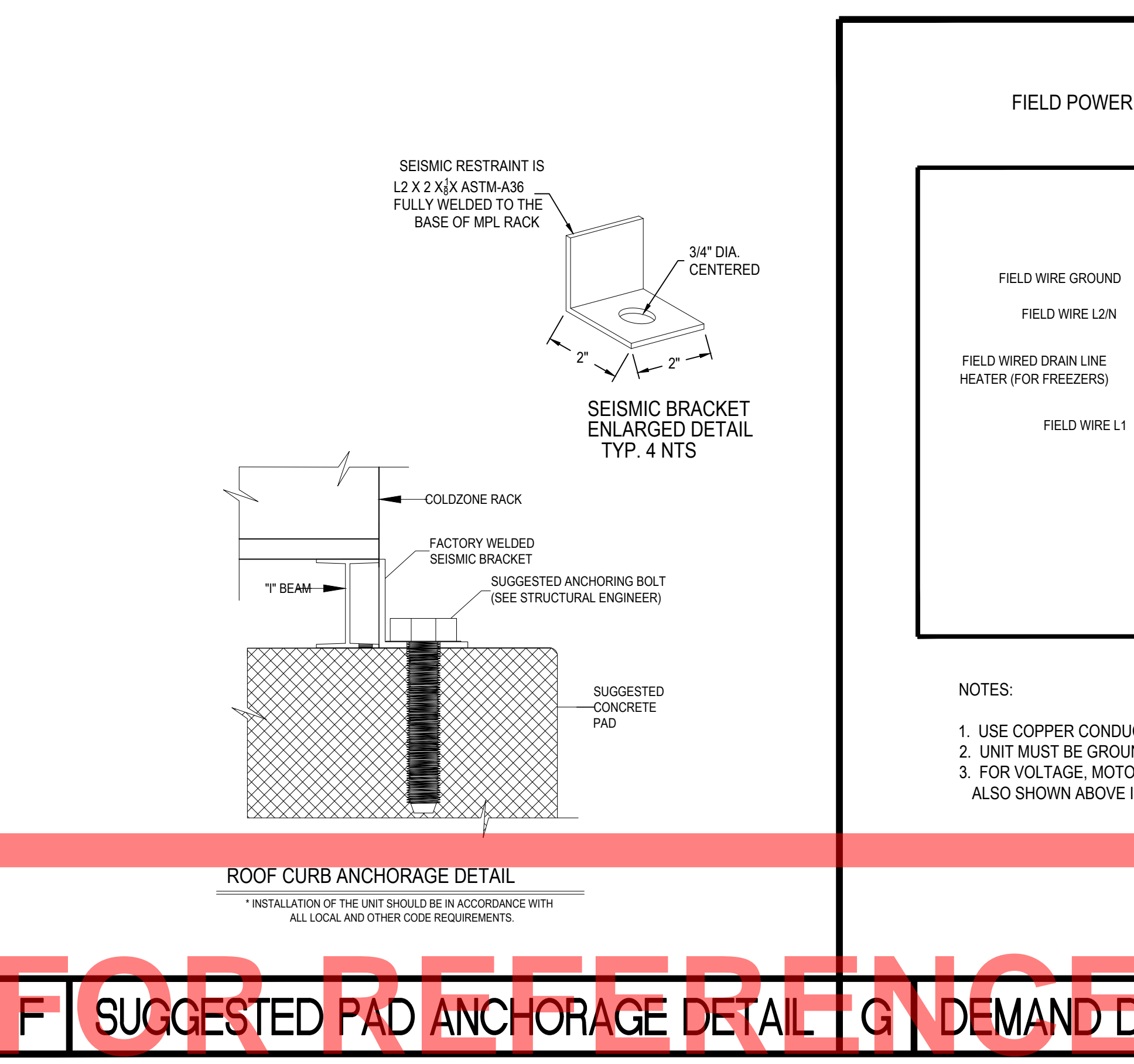
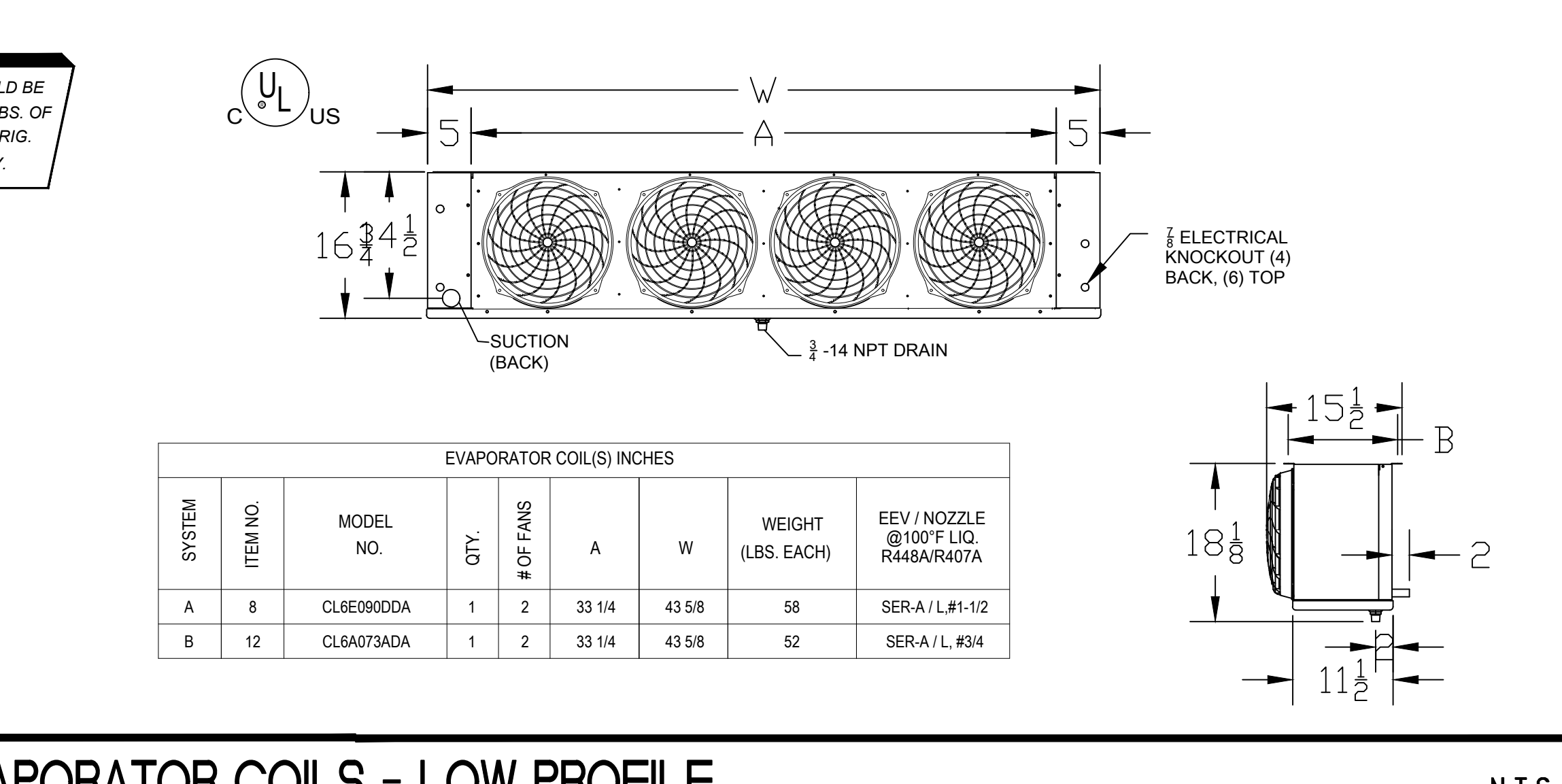
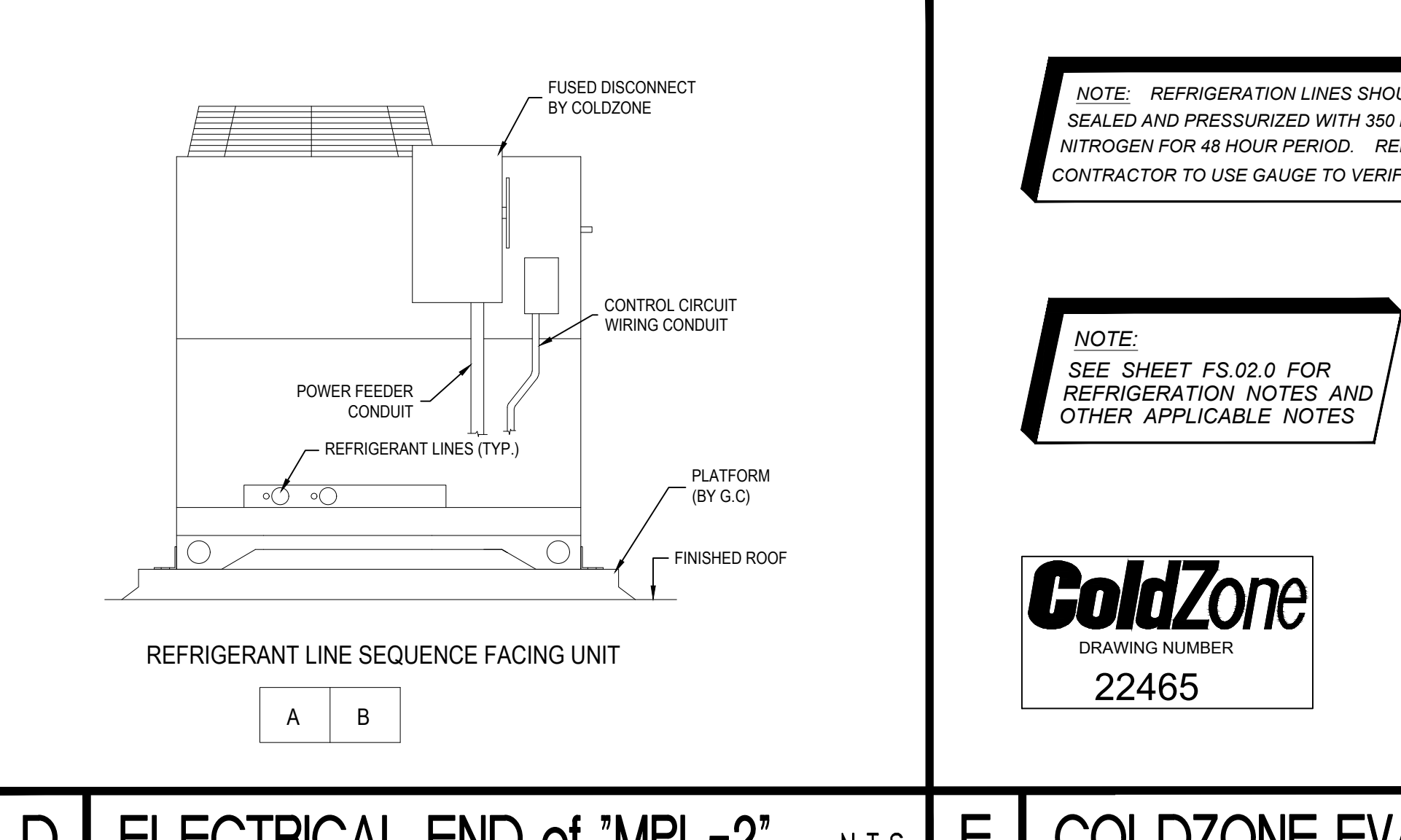
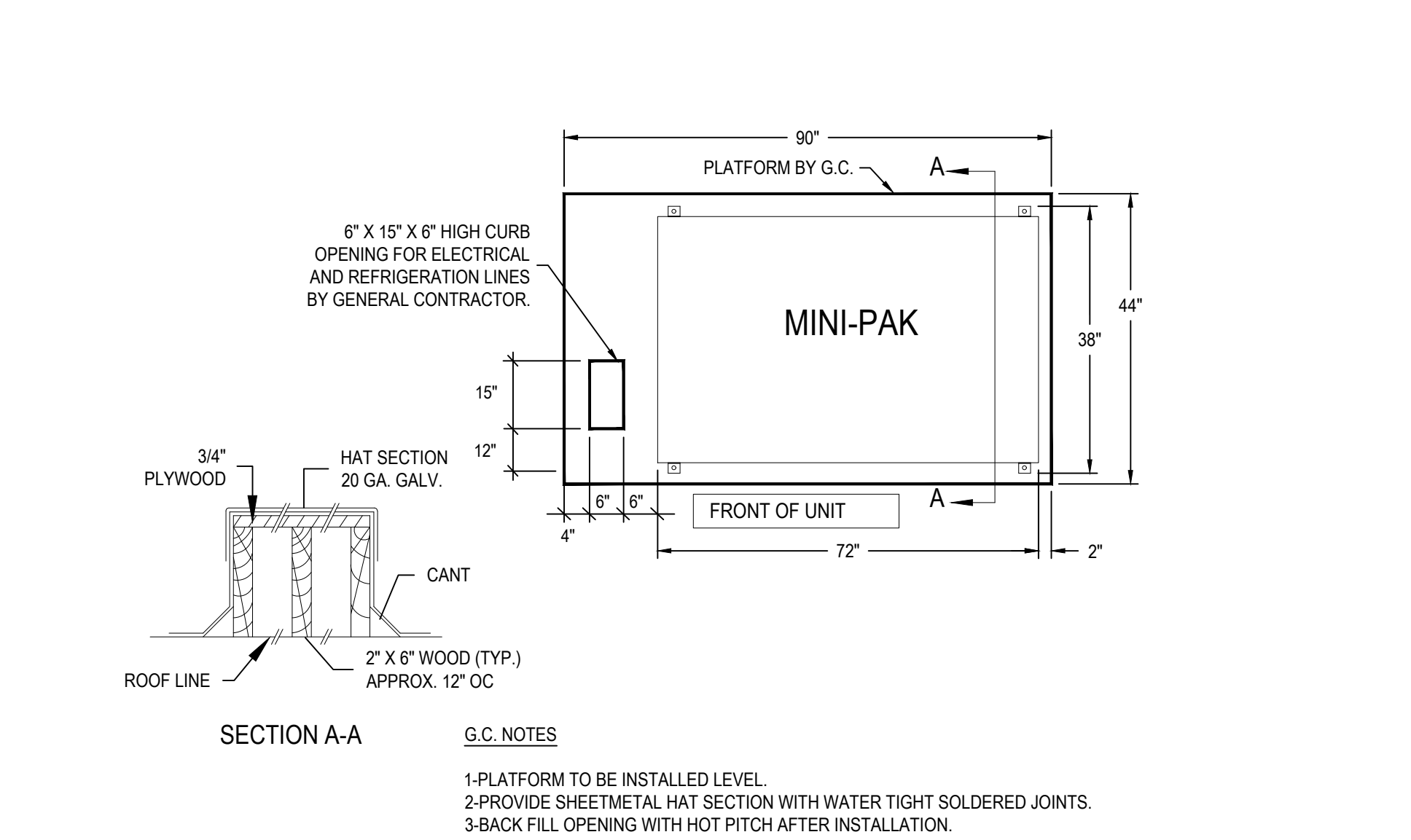
COLDZONE ENGINEERING SUMMARY															POWER SUPPLY: 208-230/3/60		MINIMUM CIRCUIT AMPACITY: 25.425 A																								
SYSTEM	ITEM NUMBER	DESCRIPTION	FIXTURE LOAD	FIXTURE		REFRIG. R.	COMPRESSOR MODEL NUMBER	H.P.	REFRIGERANT CAPACITY (LBS) @ 80°F	% of Load Capacity	COMPRESSOR ELECTRICAL CHARACTERISTICS			COOLING CAPACITY @ 80°F AMBIENT	DEFROST	QUANTITY	MODEL NO.	EVAPORATOR COILS		CONNECTED LOAD: 22.7 A		FUSE SIZE: 35 A																			
				FOXT.	SUCT.						RLA	PH	FL					REMARKS	AMP	V	PH		TOTAL SYSTEM AMPS	ROUIN *	SUCTION	LIQUID	DRYING UNIT	DEFROST OPTION NO.	DEFROST TIME CLOCK	DEFROST HEATER	DEFROST HEATER	DEFROST HEATER									
A	L2	WALK-IN FREEZER	8907	10	20	448A	271144E	3.1/2	35.0	123%	10.9	208-230/3	3	11050	F	1	CL6E0900DA	10600	COLDZONE	1	208-230/3	10.9	208-230/3	1	10.9	5	7/8	3/8	3/8	3/8	KE2 CHM	NO	NO	YES	SEALED	NO	FL	FL	FL	FL	FL
B	08	WALK-IN COOLUP	720A	30	20	448A	280795E	3.4	6.5	115%	7.8	208-230/3	3	8402	A	1	CL6E0900DA	8500	COLDZONE	1.5	1157A	10.9	208-230/3	3.8	5	5/8	3/8	3/8	3/8	KE2 CHM	NO	NO	NO	SEALED	NO	FL	FL	FL	FL	FL	



A ITEM #02 - REFRIGERATION RACK "MPL-2" OUTLINE

B DRAIN LINE + EVAP. COIL ATTACHMENT DETAIL

C COLDZONE ENGINEERING SUMMARY



FOR REFERENCE ONLY

PROJECT No.: 1-34-32
 7/5/2024 12:52 PM

DATE	DESCRIPTION	REVISION NO.	DATE	DESCRIPTION

RUHNAUCLARKE.COM

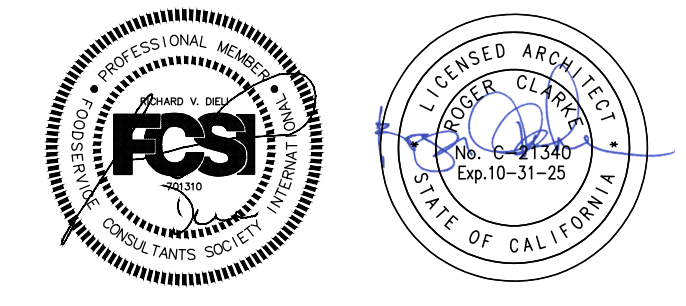
KITCHEN UPGRADES
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**FOODSERVICE EQUIP.
 REFRIGERATION
 DETAILS**

FS.06.1

KITCHEN UPGRADES:

1 NOT IN USE	4 SEE RAISED ROLLED EDGE A-4/FS.06.0	7 SEE CORNER GUARD/END D/FS.05.0	10 SEE FIRE SUPPRESSION DETAIL B/FS.04.0	01 ITEM NUMBER (SEE EQUIPMENT SCHEDULE FS.01.0)
2 SEE MARINE EDGE A-2/FS.06.0	5 SEE SINK SPLASH DETAIL A-9/FS.06.0	8 NOT IN USE	11 NOT IN USE	
3 SEE DOWN 90° EDGE A-1/FS.06.0	6 SEE POT SINK DETAIL B/FS.03.0	9 NOT IN USE		



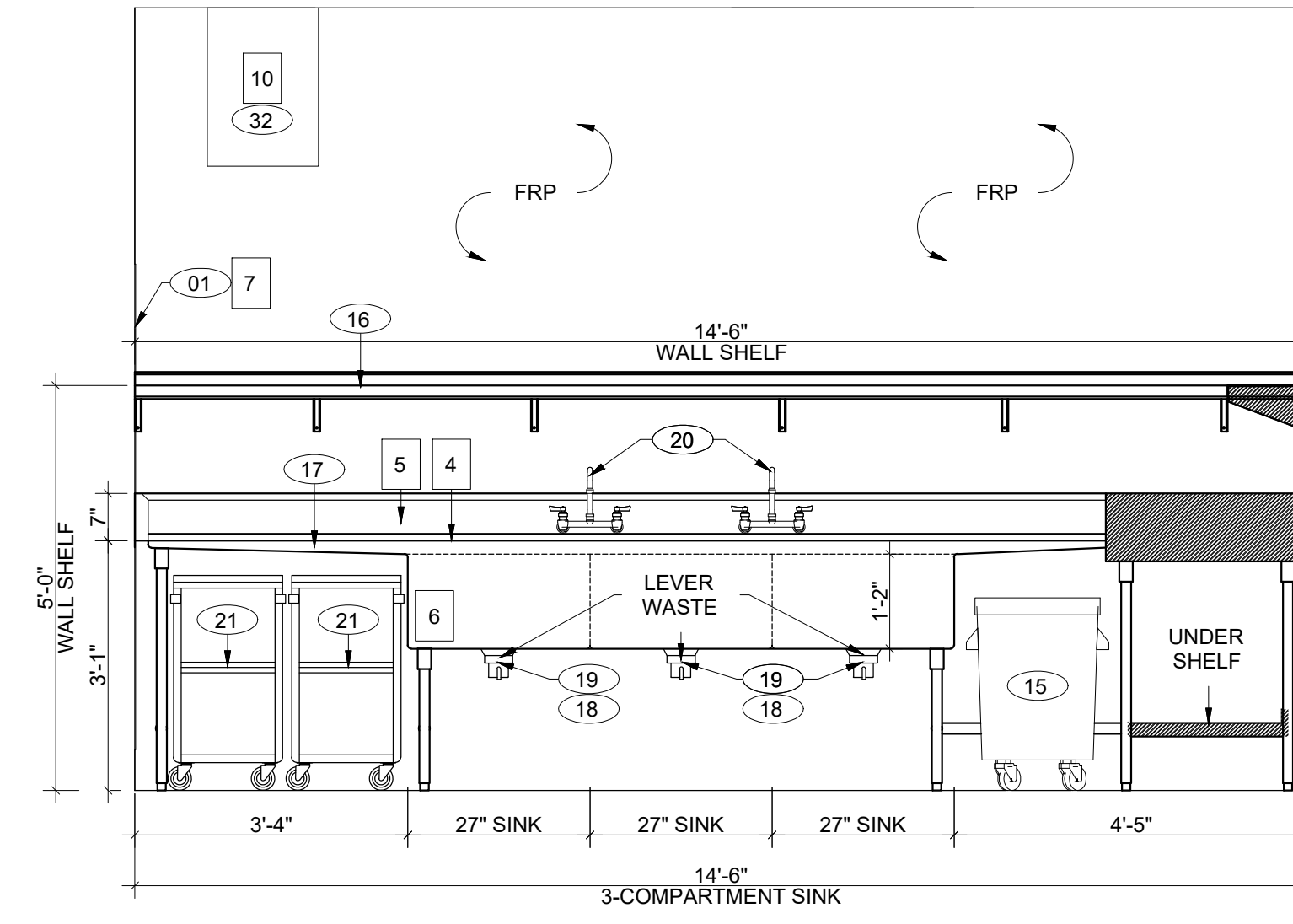
STAMPS

DIELI MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Dieli Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

**RUHNAU
 CLARKE
 ARCHITECTS**

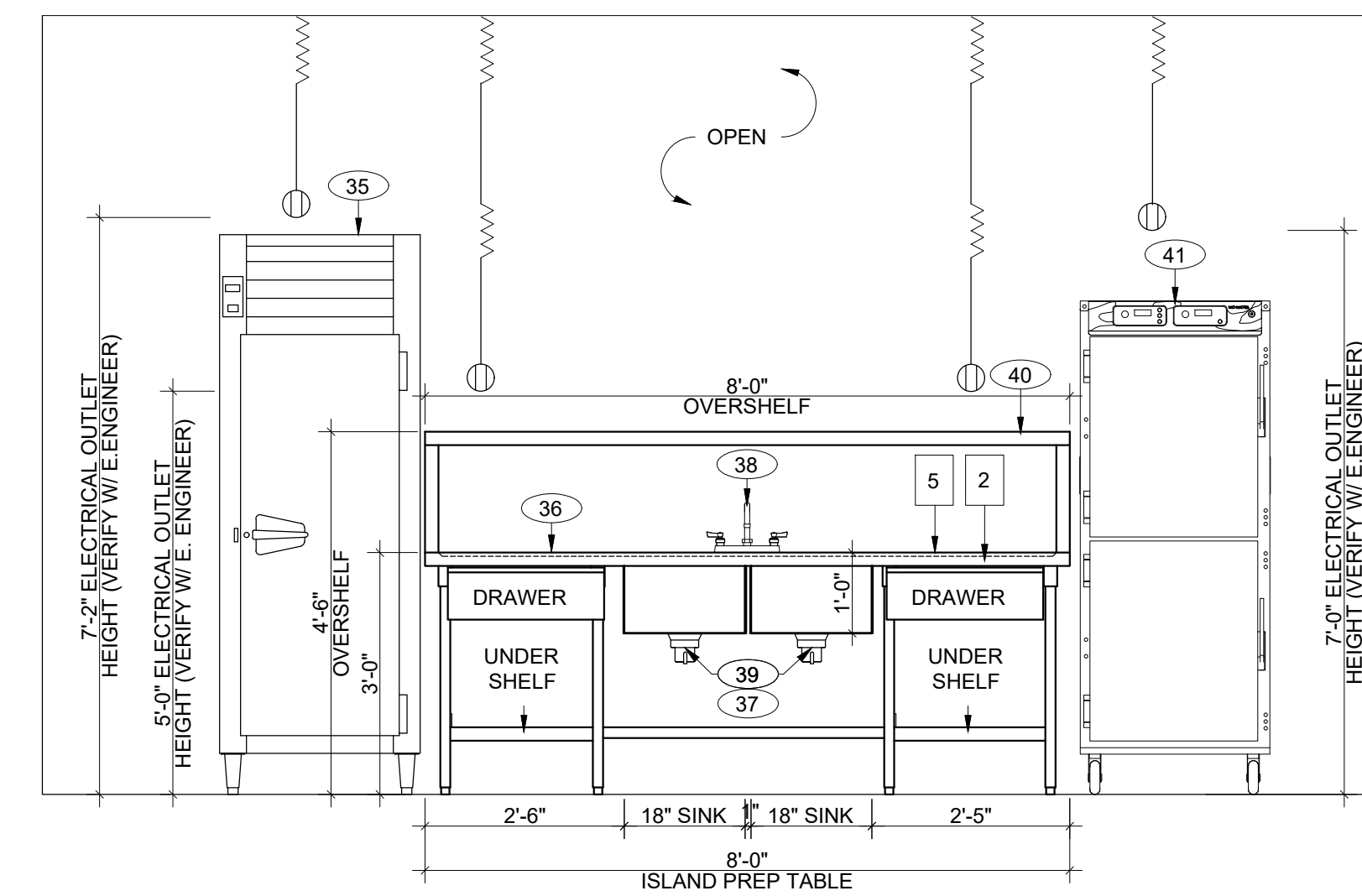
CONSULTANT BRANDING

KEYNOTES



1 ELEVATION - 3-COMPARTMENT SINK

1/2" = 1'-0"



2 ELEVATION - ISLAND PREP TABLE

1/2" = 1'-0"

PROJECT No. : 1-34-32
 6/27/2024 1:11 PM

ISSUE No.	DATE	DESCRIPTION	REVISION No.	DATE	DESCRIPTION

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684 4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438 5899

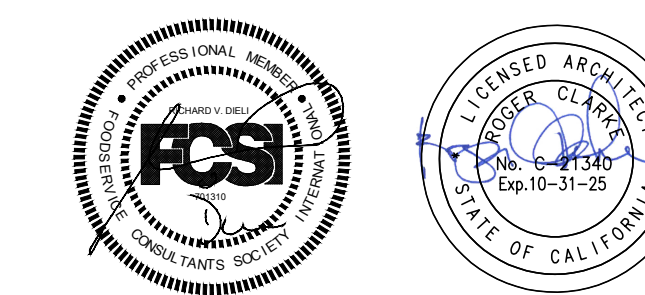
KITCHEN UPGRADES

MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**FOODSERVICE EQUIP.
 ELEVATIONS PLAN**

FS.07.0

KITCHEN UPGRADES:

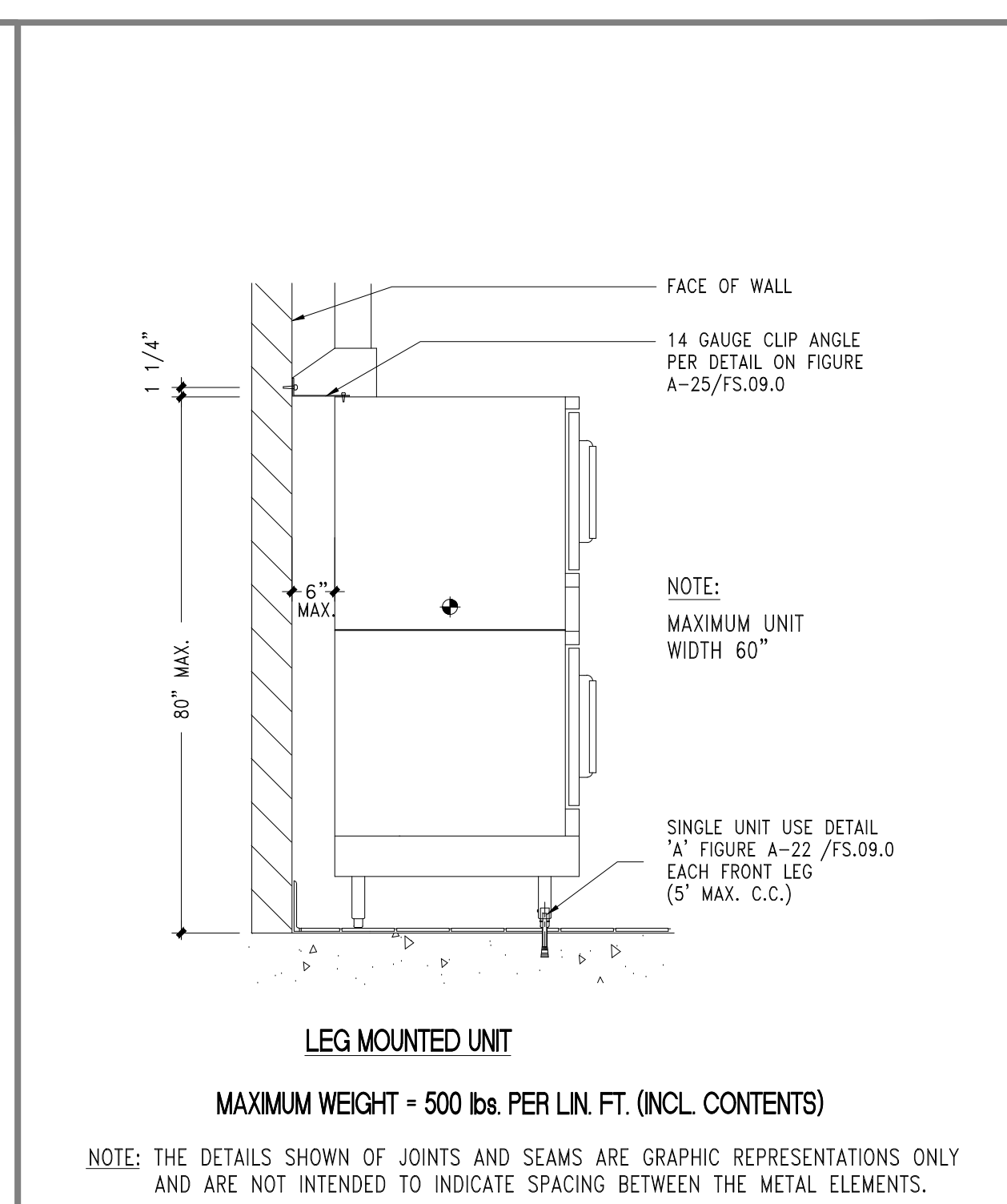
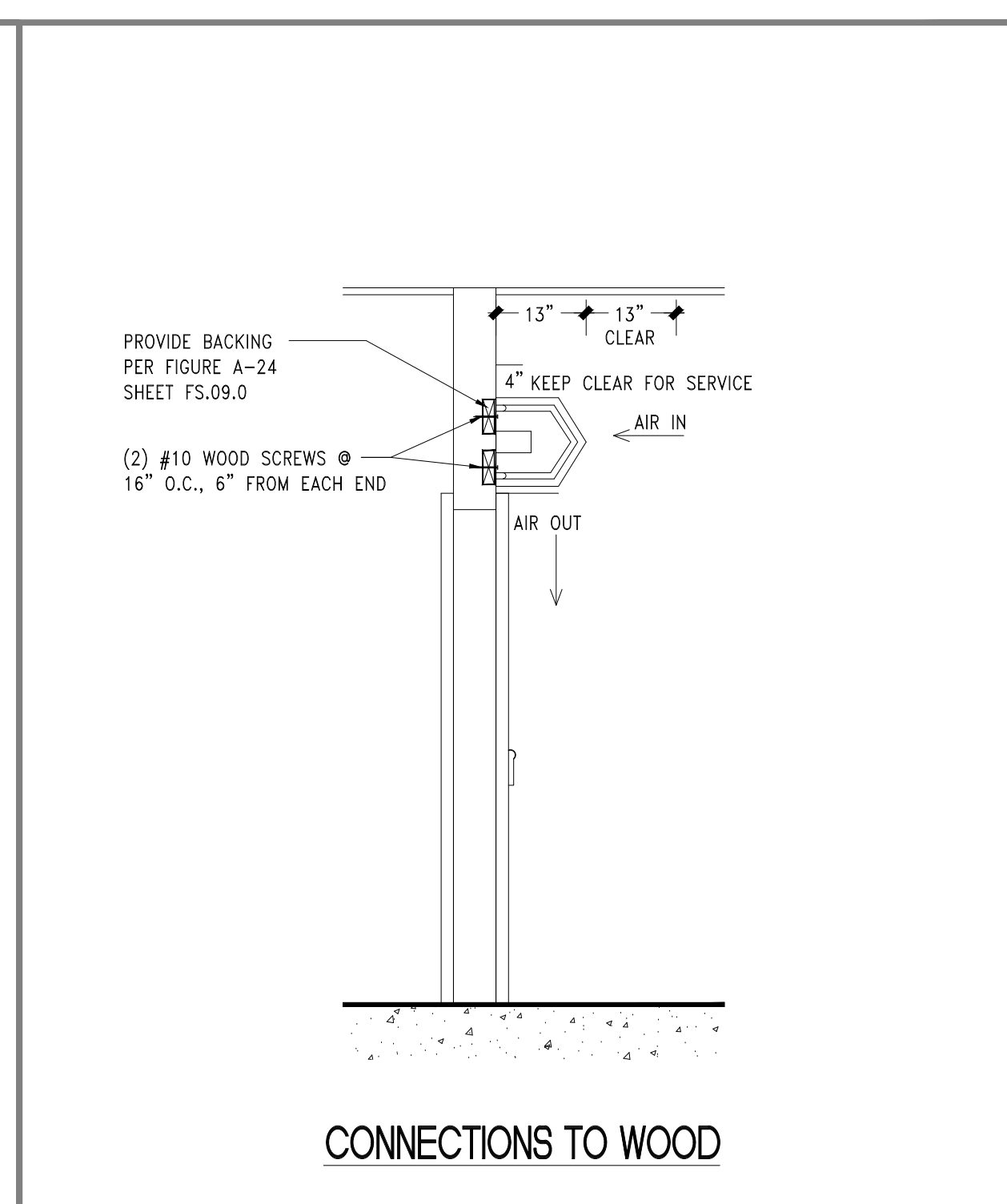
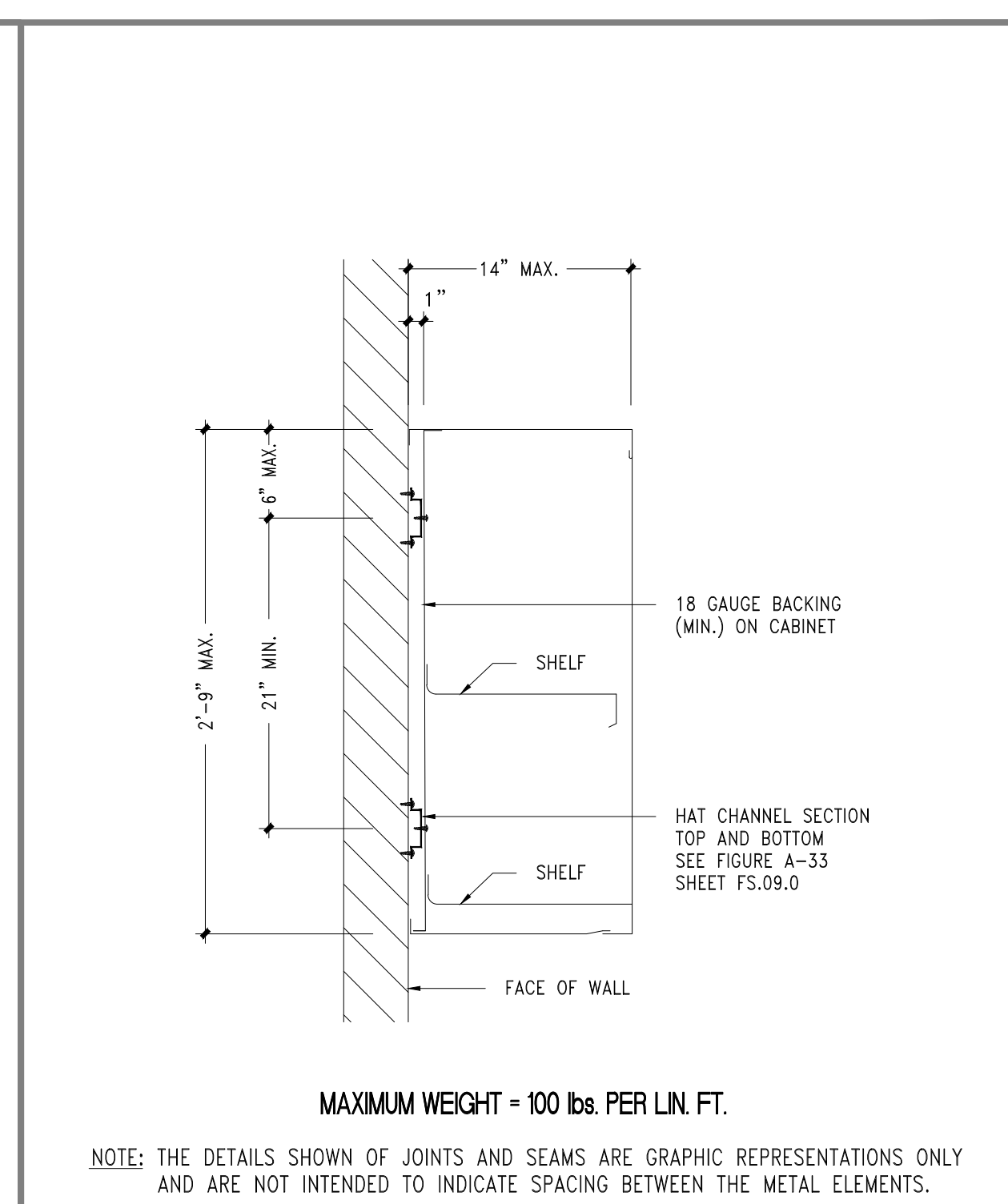
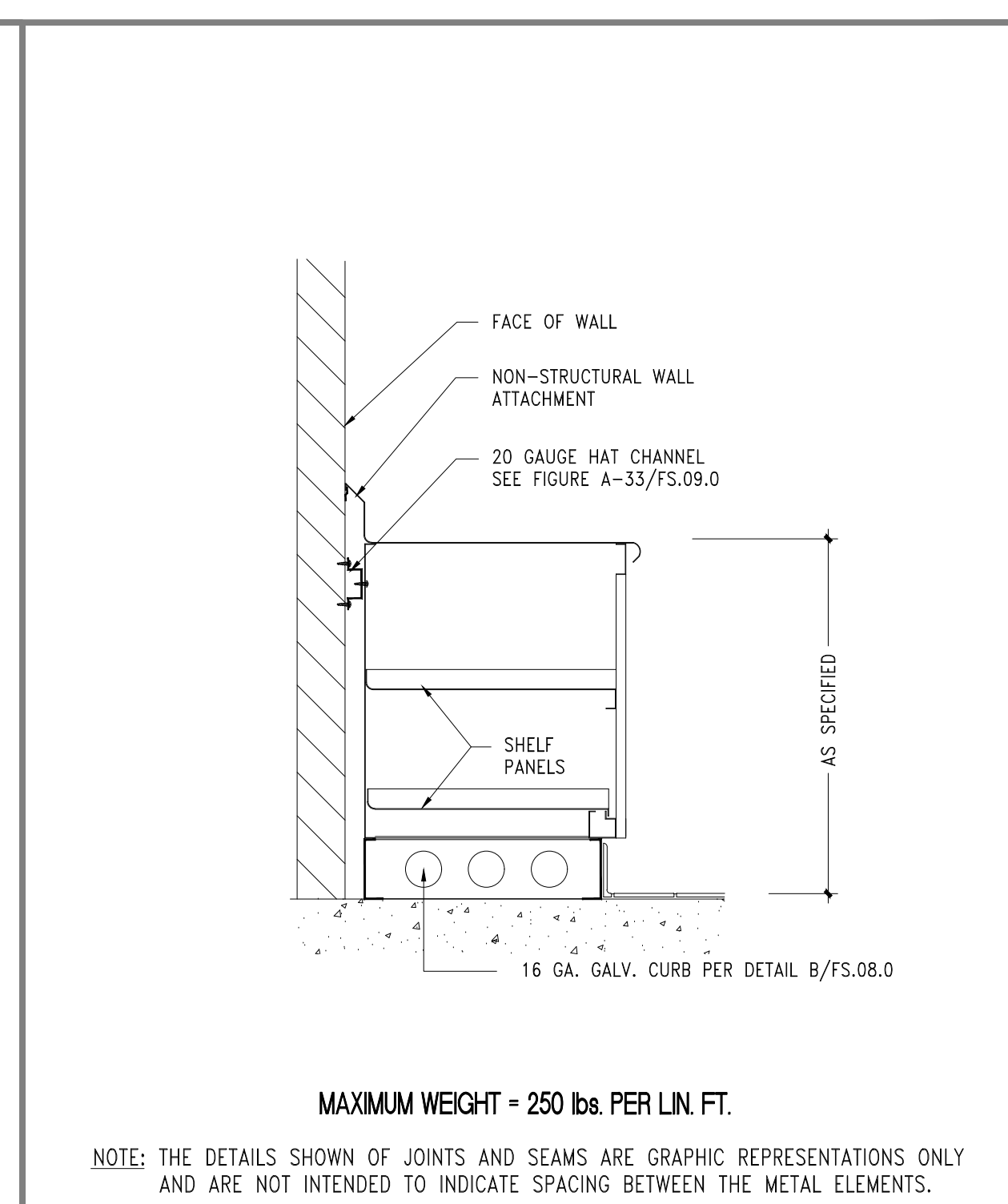
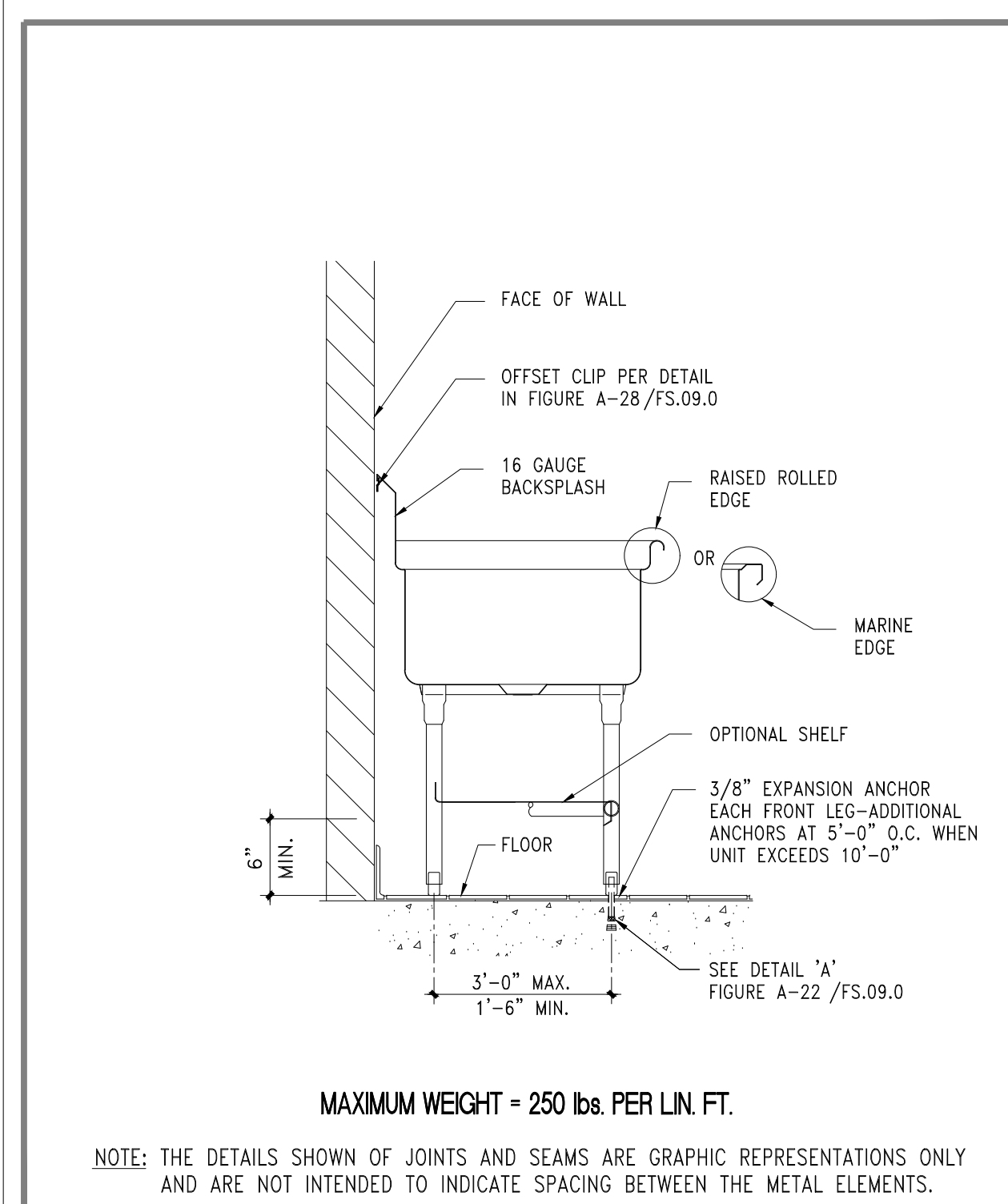


STAMPS

DIELI MURAWKA HOWE
A Division of WEBB FOODSERVICE DESIGN
Food Service Design Consultants
P.O. Box 28197, San Diego, CA 92128
Design By: Richard Dieli Phone: 619.285.1189
1530 South Lewis Street, Anaheim, CA 92805
Phone: 714.508.1880

RUHNAU
CLARKE
ARCHITECTS

CONSULTANT BRANDING



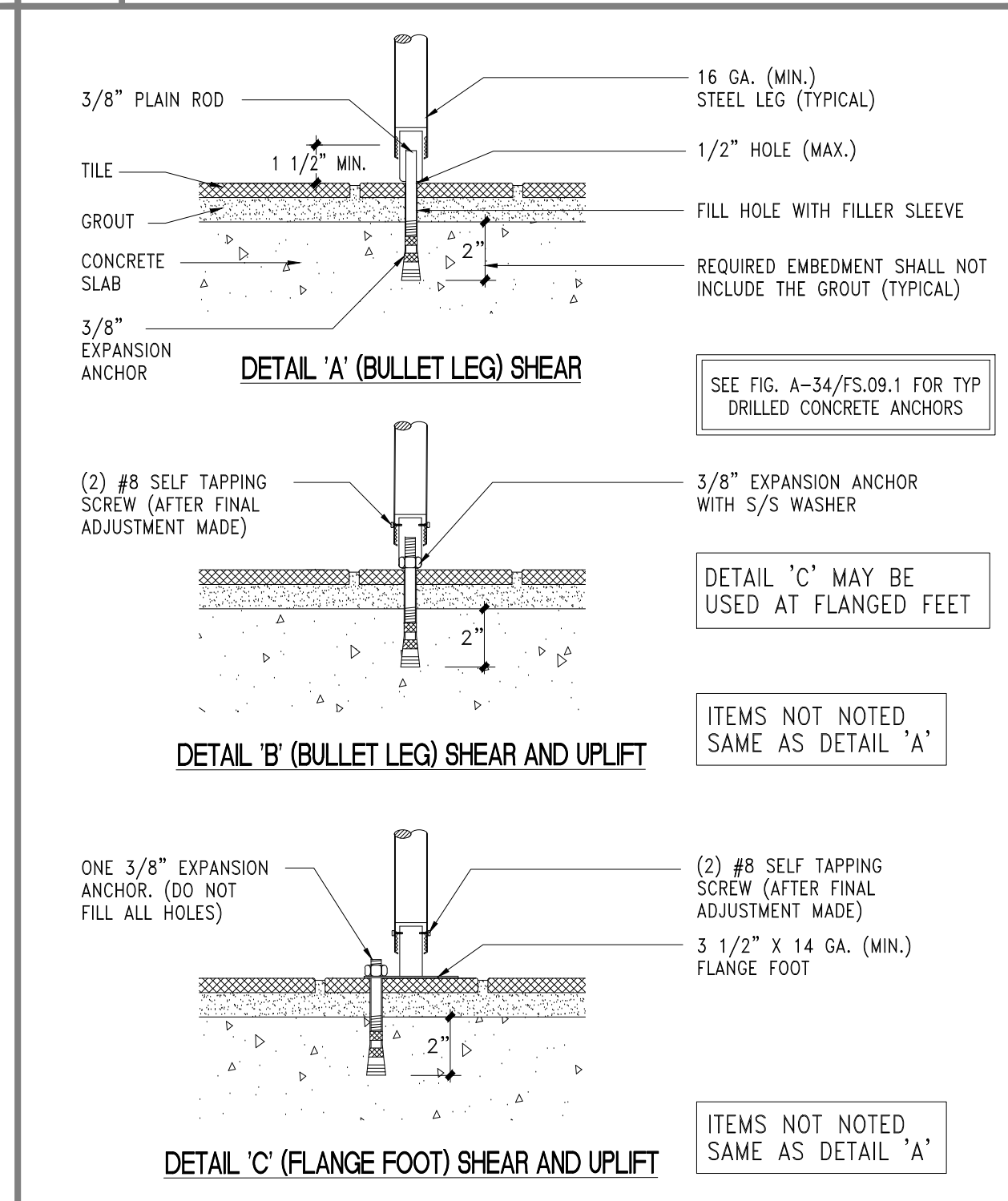
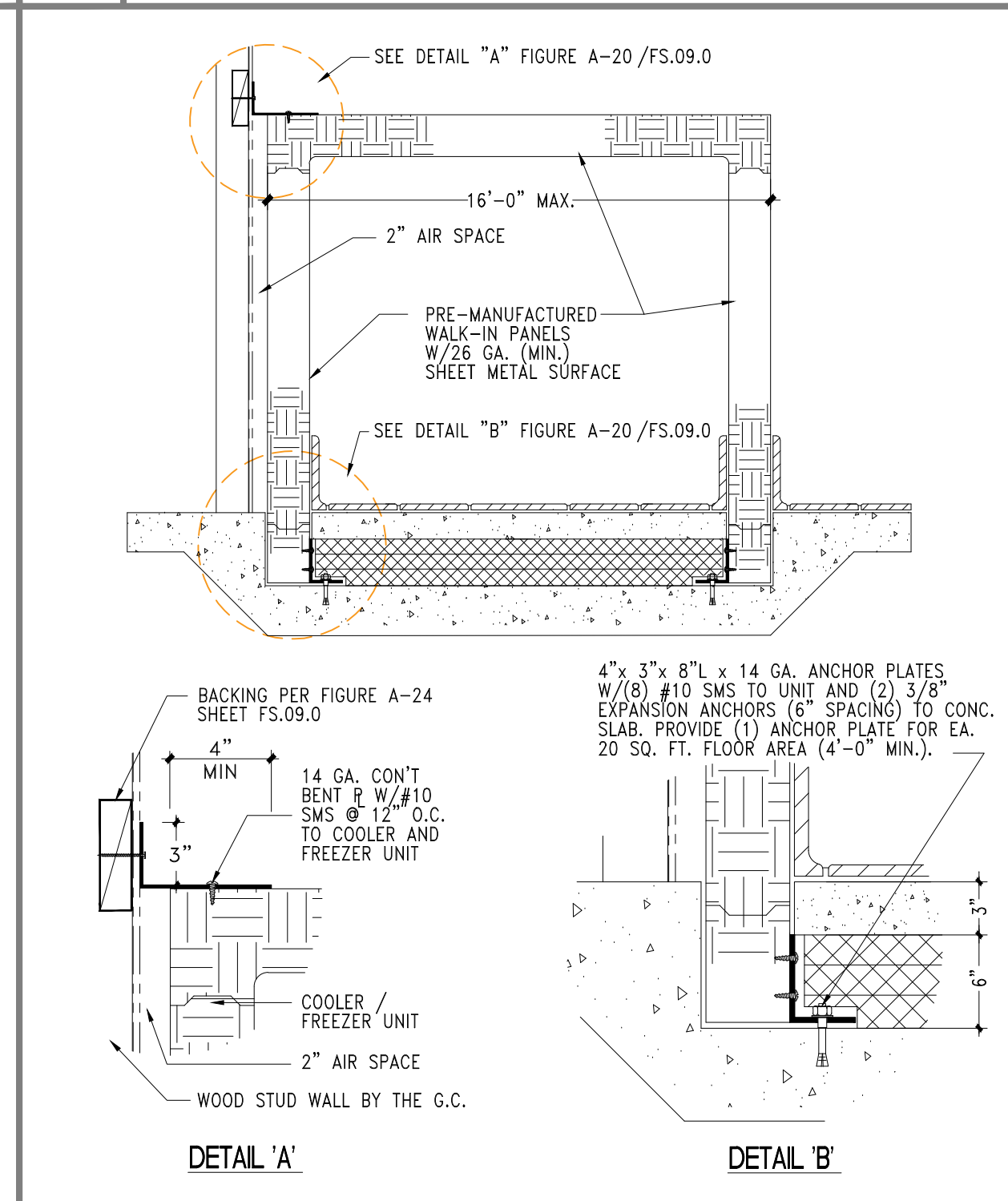
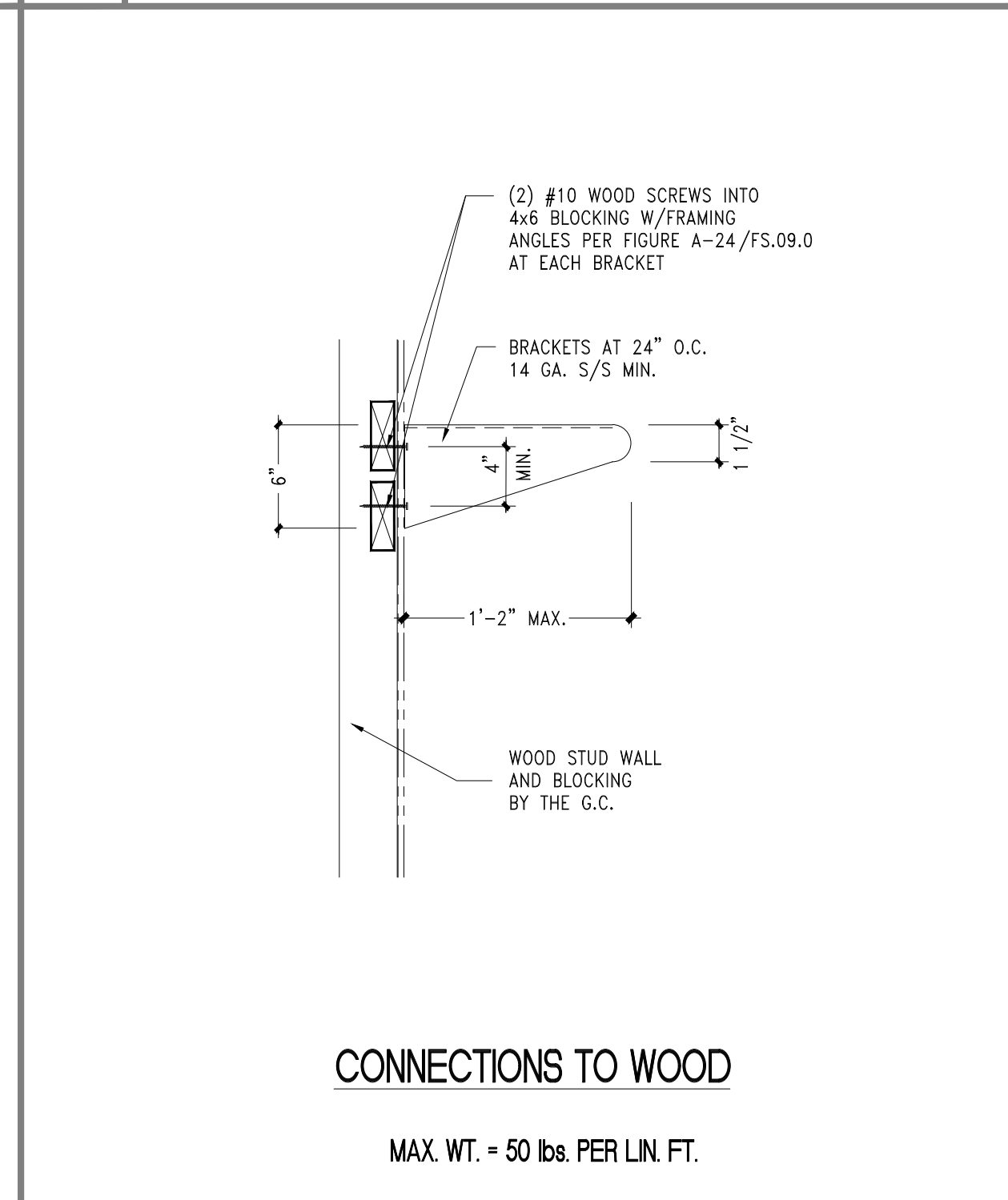
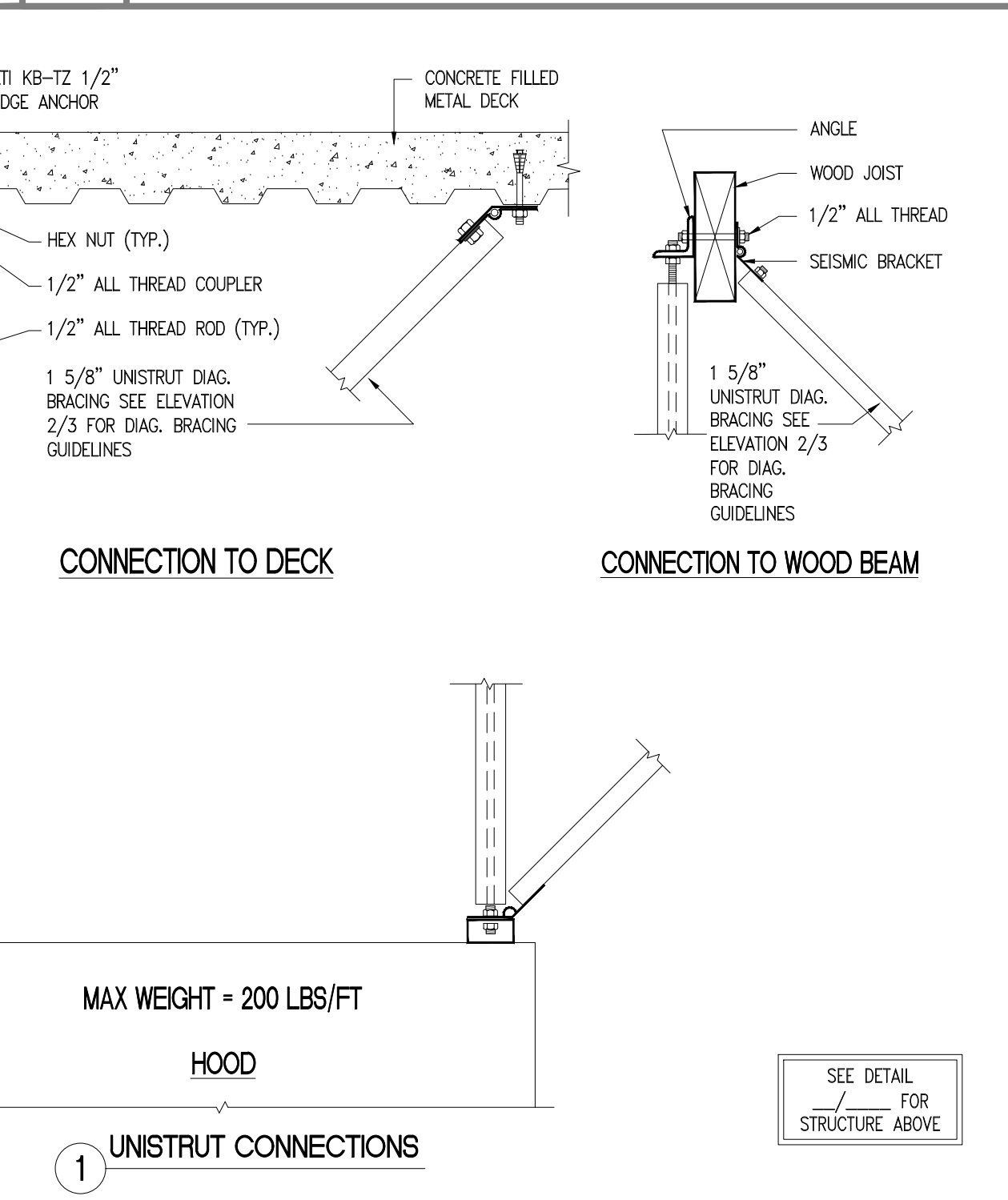
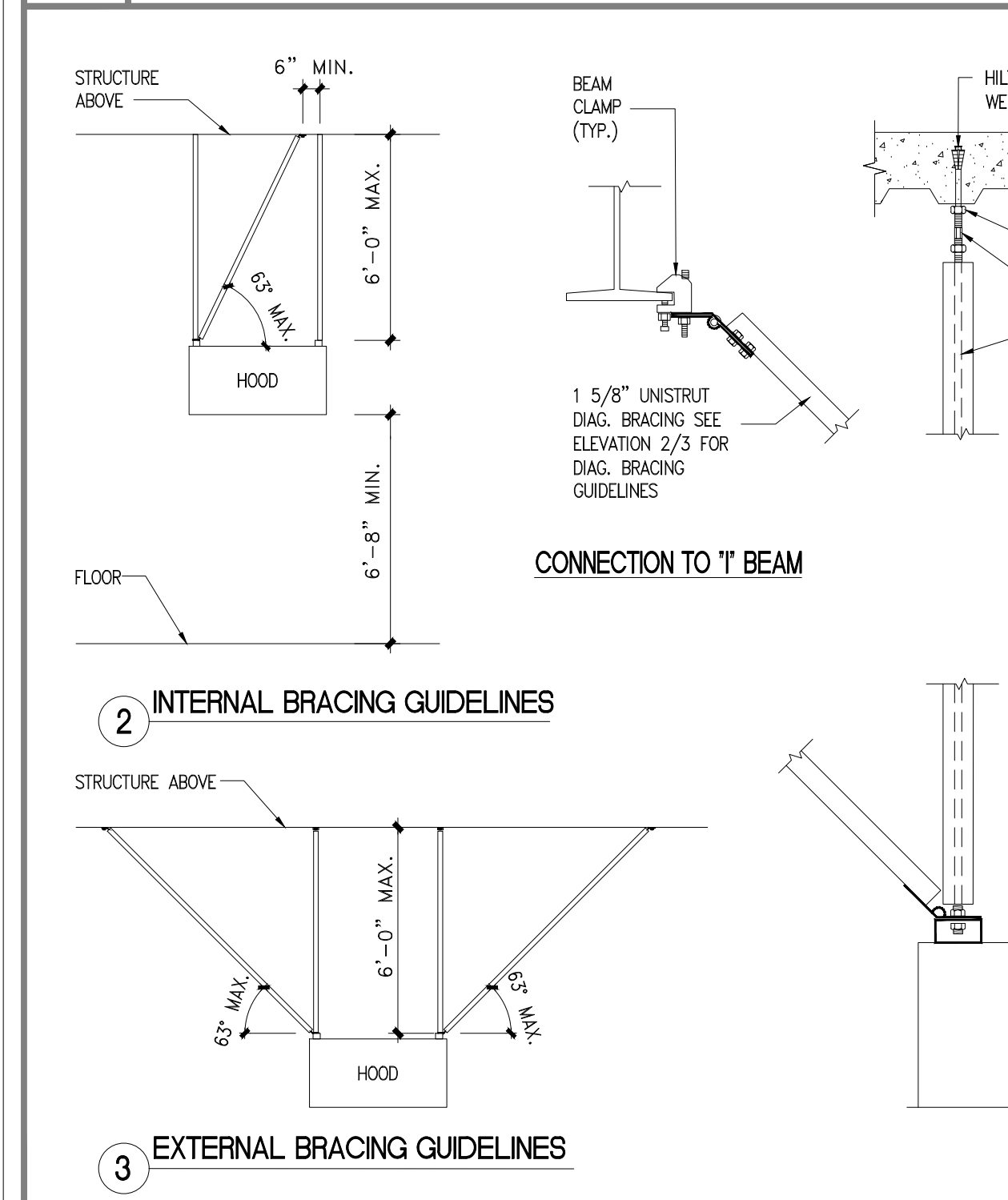
A-2 WALL ATTACHED SINK, TABLE w/WALL CLIP NTS

A-4 ENCLOSED CABINET NTS

A-6 WALL MOUNTED CABINET NTS

A-6b WALL MOUNTED AIR CURTAIN NTS

A-11 FLOOR MOUNTED APPLIANCE AGAINST WALL NTS



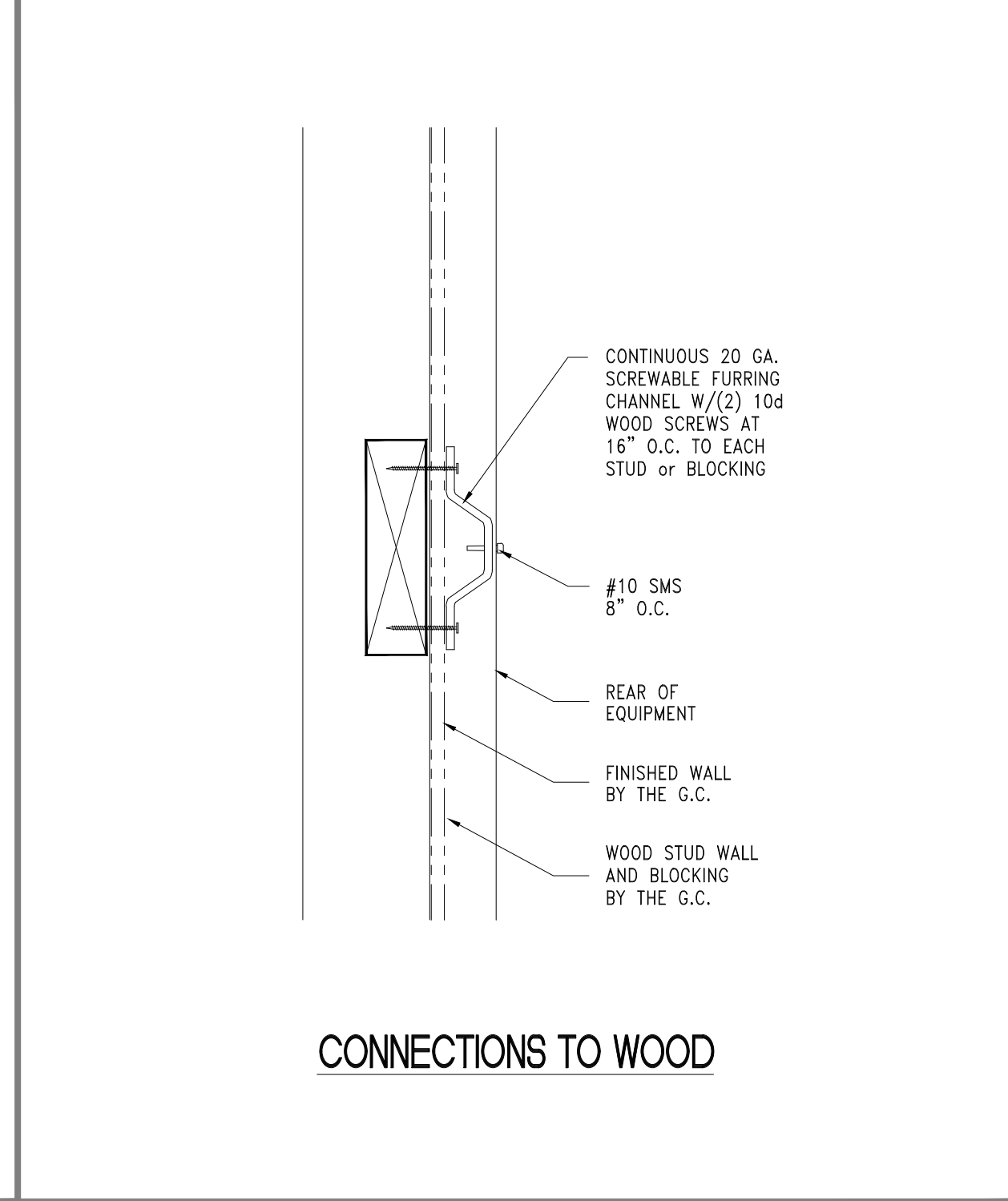
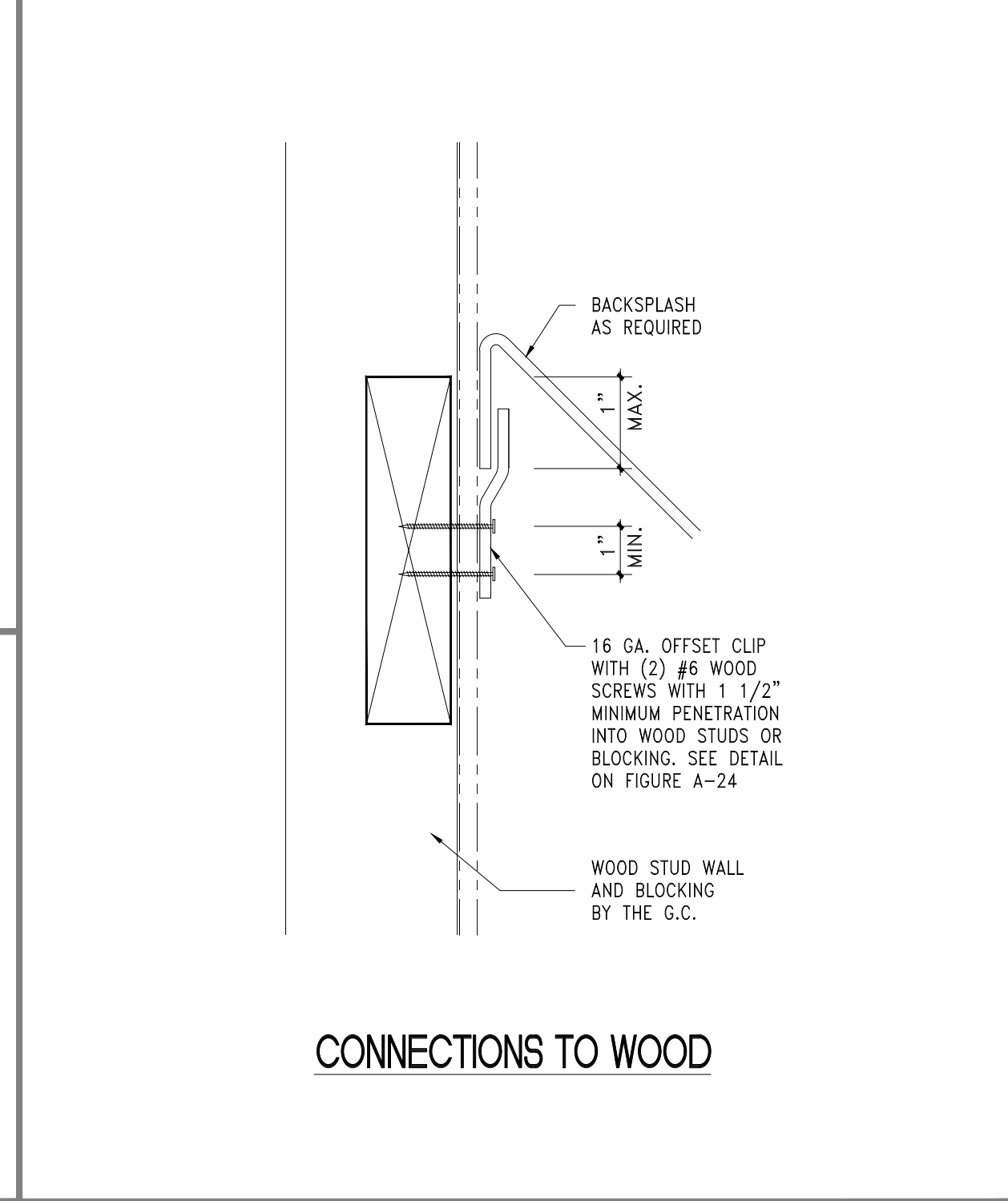
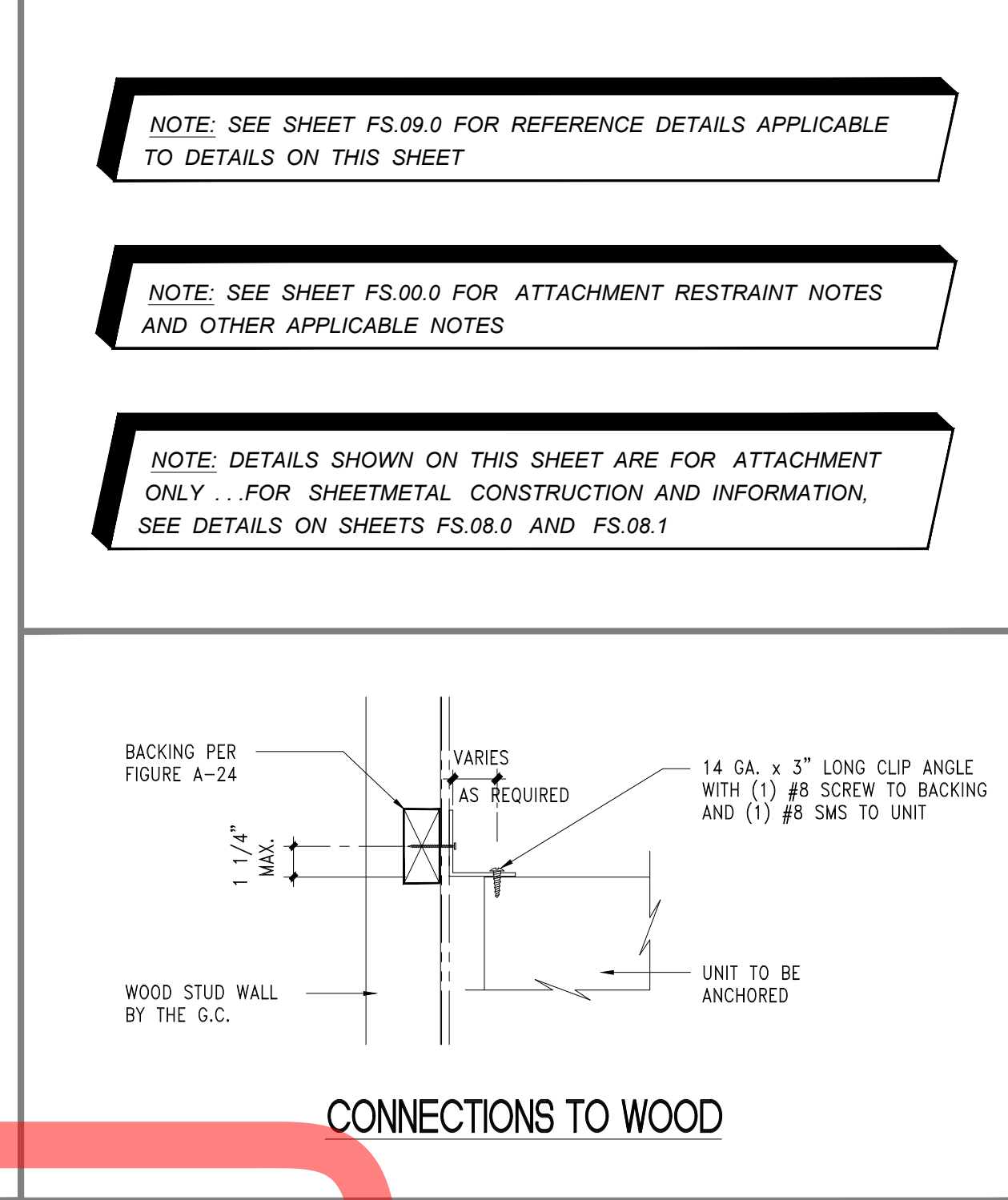
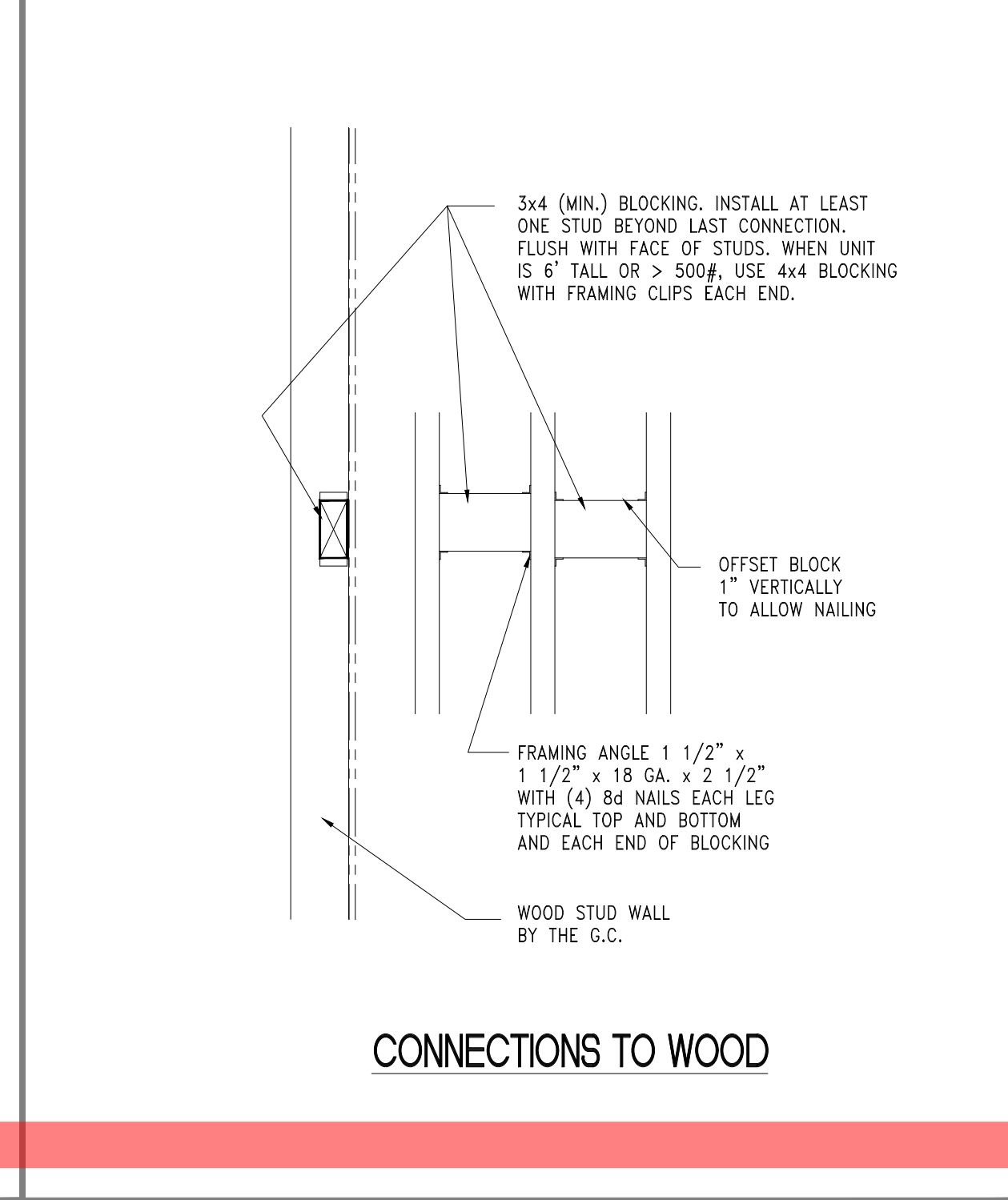
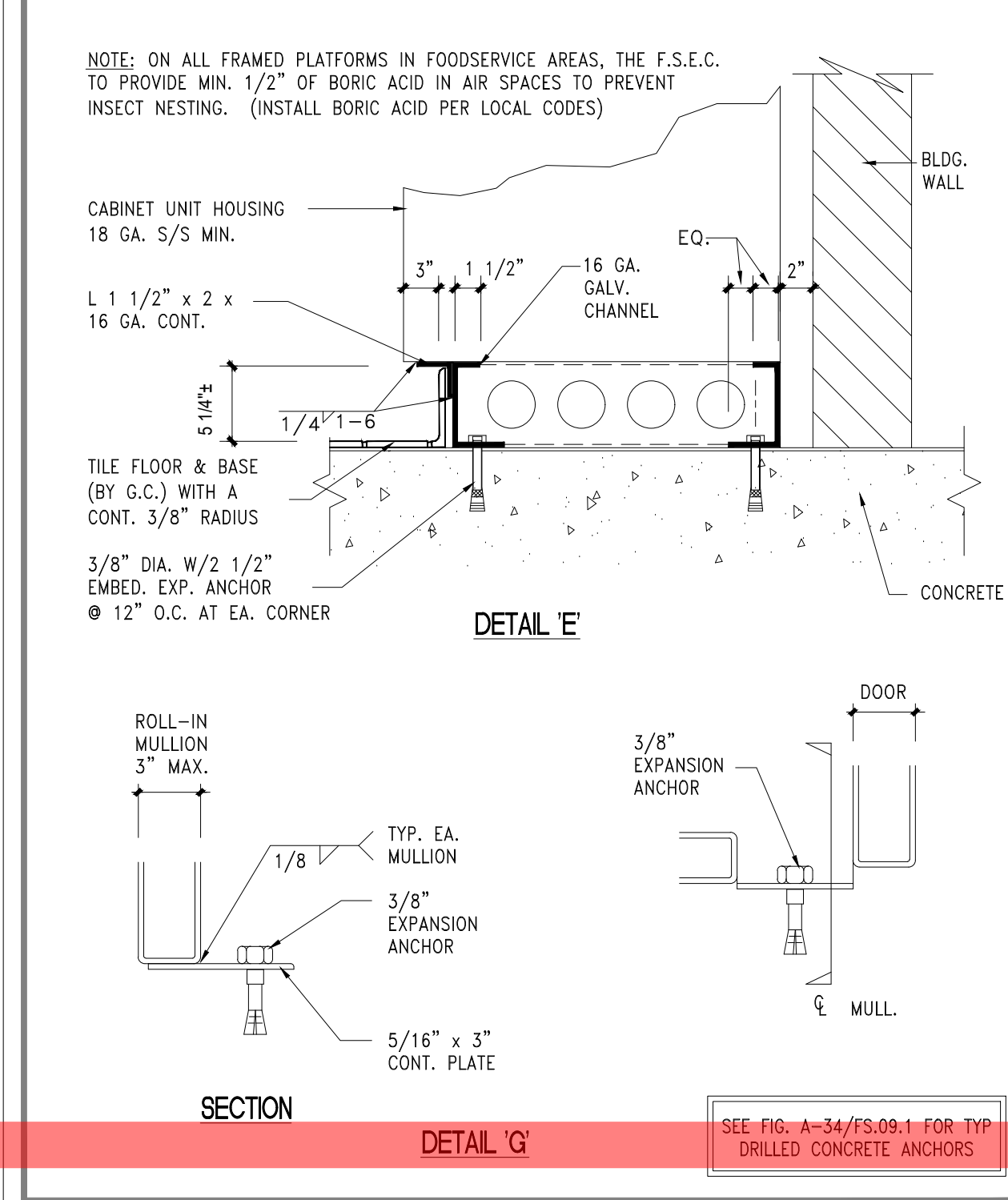
A-13 EXHAUST HOOD BRACING - UNISTRUT CONNECTIONS NTS

A-17 WALL MOUNTED SHELVES NTS

A-20 WALK-IN BOX at WOOD WALL NTS

A-22 FOOT DETAILS NTS

A-23 BASE ATTACHMENTS NTS



A-23 BASE ATTACHMENTS NTS

A-24 WALL SUPPORT BACKING NTS

A-25 TOP ANGLE CONNECTION (WOOD WALL) NTS

A-28 OFFSET CLIP DETAILS NTS

A-33 FURRING CHANNEL CONNECTIONS NTS

FOR REFERENCE ONLY

PROJECT No. : 1-34-32
7/5/2024 12:51 PM

Table with columns: ISSUE No., DATE, DESCRIPTION, REVISION No., DATE, DESCRIPTION. Includes drawing and checked by information.

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 484-4664 / 5753 PALMER WAY, SUITE C, CALSALADO CALIFORNIA 92010 (760) 438-5999

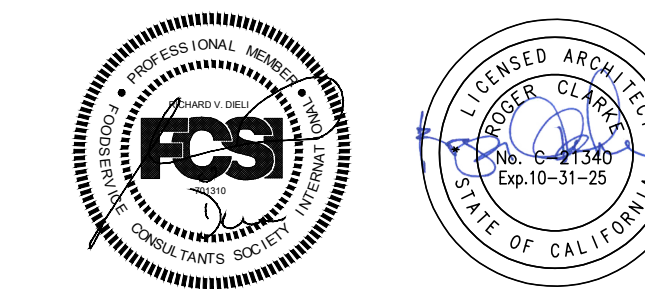
KITCHEN UPGRADES

MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

FOODSERVICE EQUIP.
ATTACHMENT DETAILS

FS.09.0

KITCHEN UPGRADES:



STAMPS

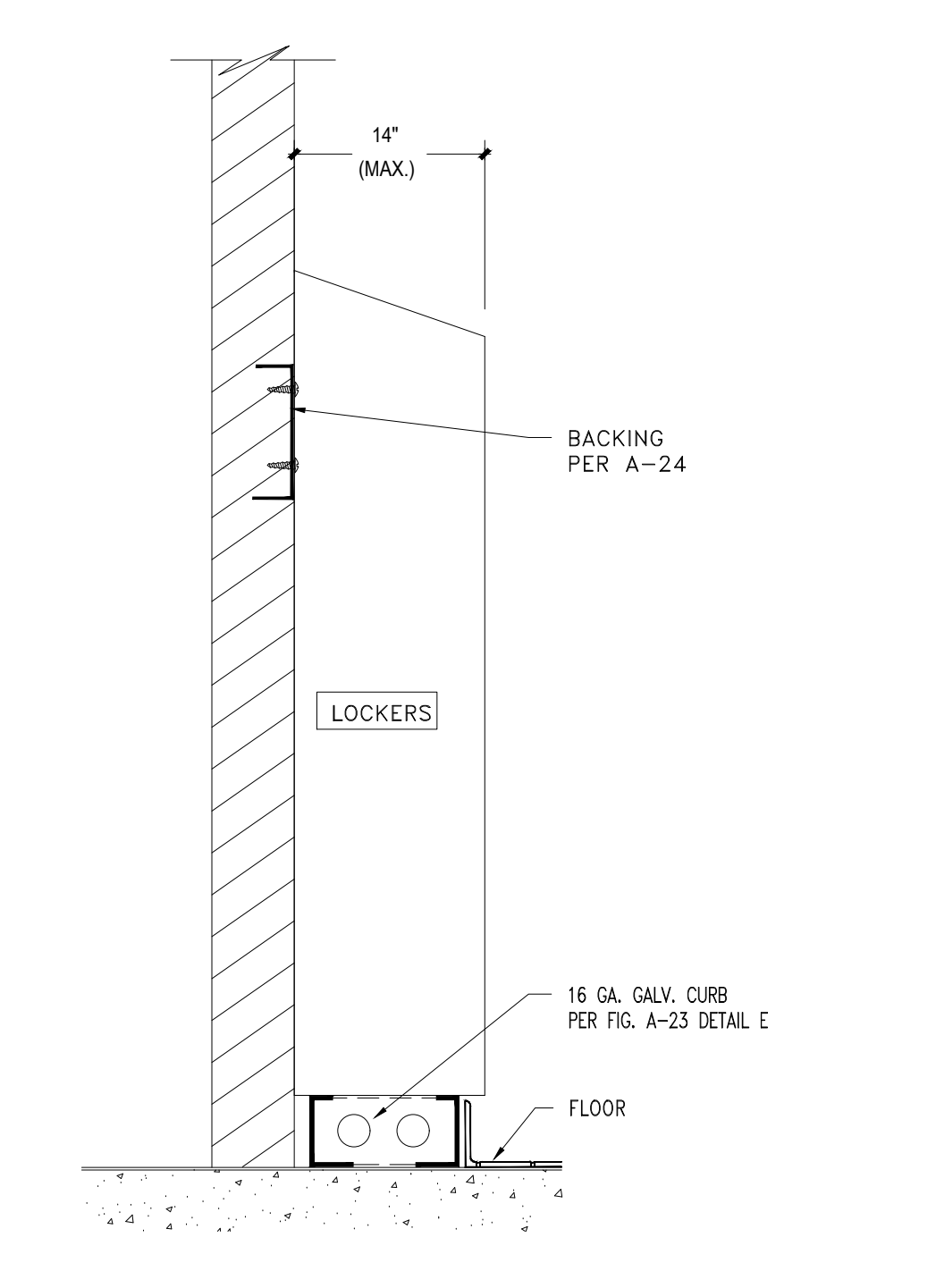
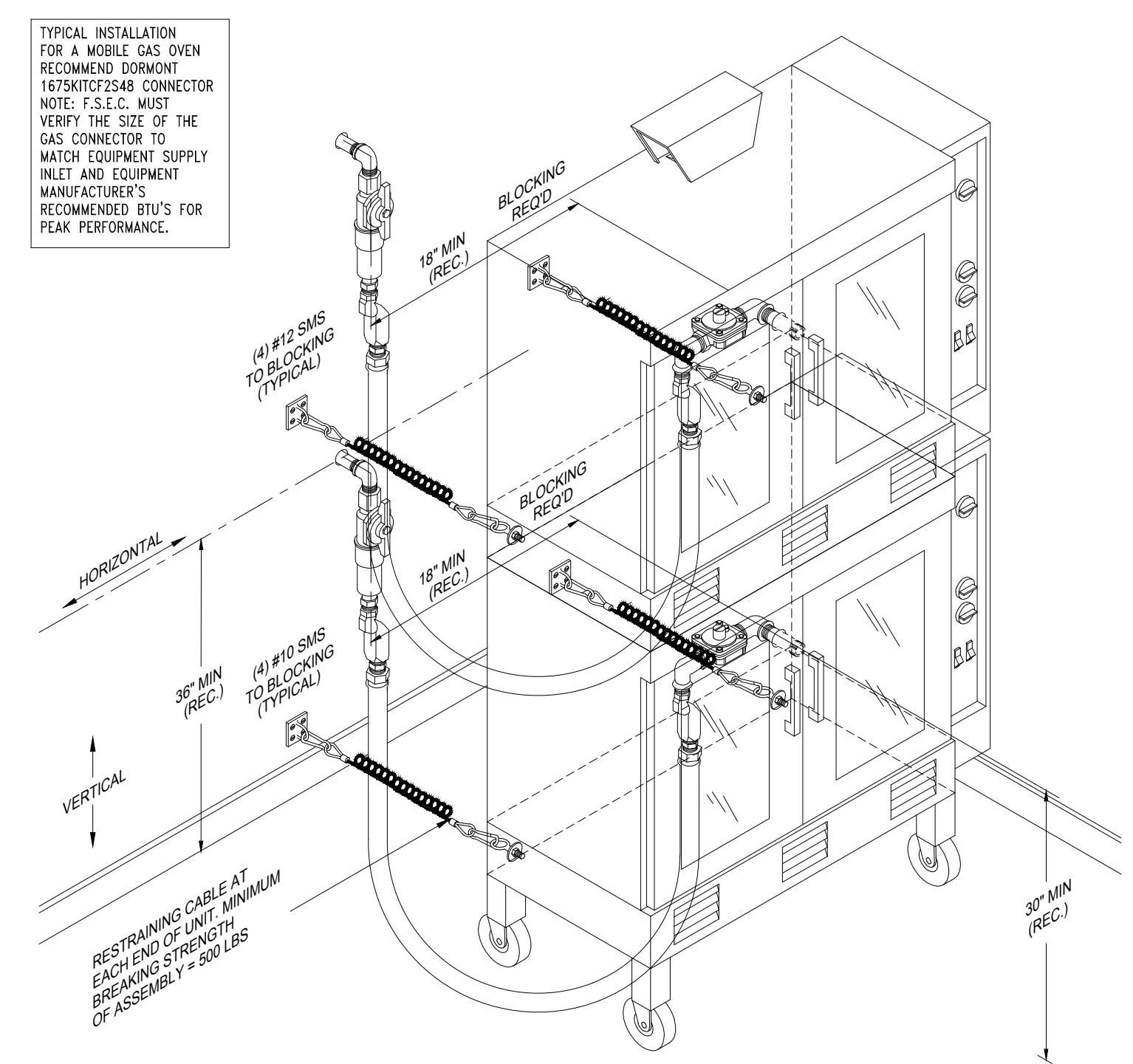
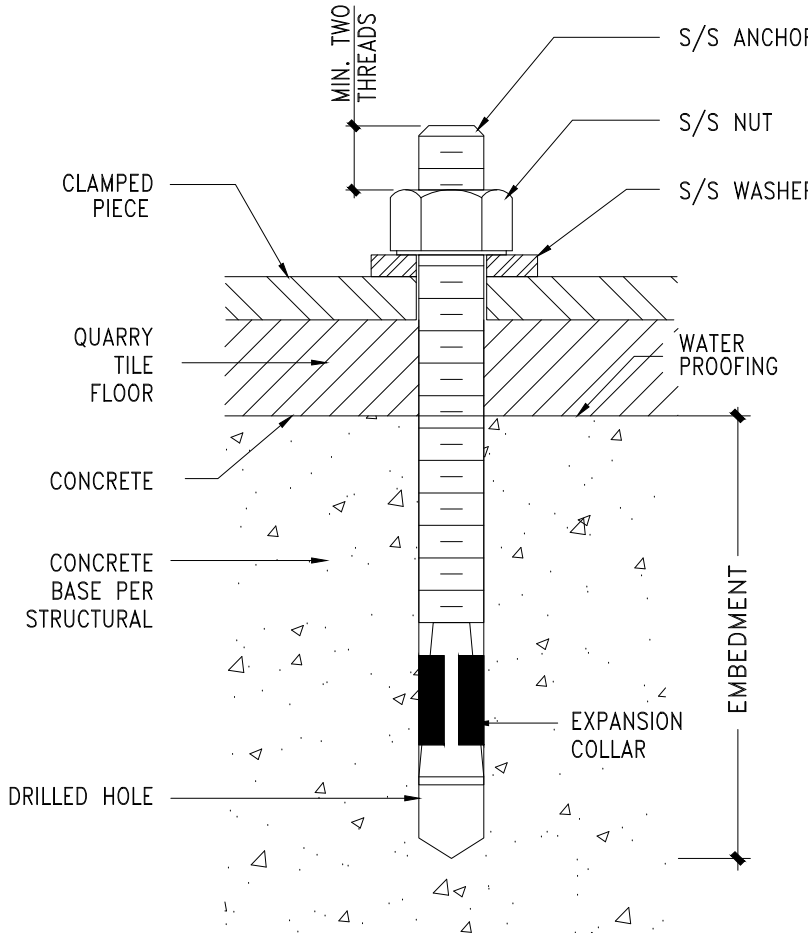
DIELI MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Dieli Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

**RUHNAU
 CLARKE
 ARCHITECTS**

CONSULTANT BRANDING

ESR-4266 MINIMUM EDGE DISTANCE, SPACING AND CONCRETE THICKNESS FOR KB-TZ2

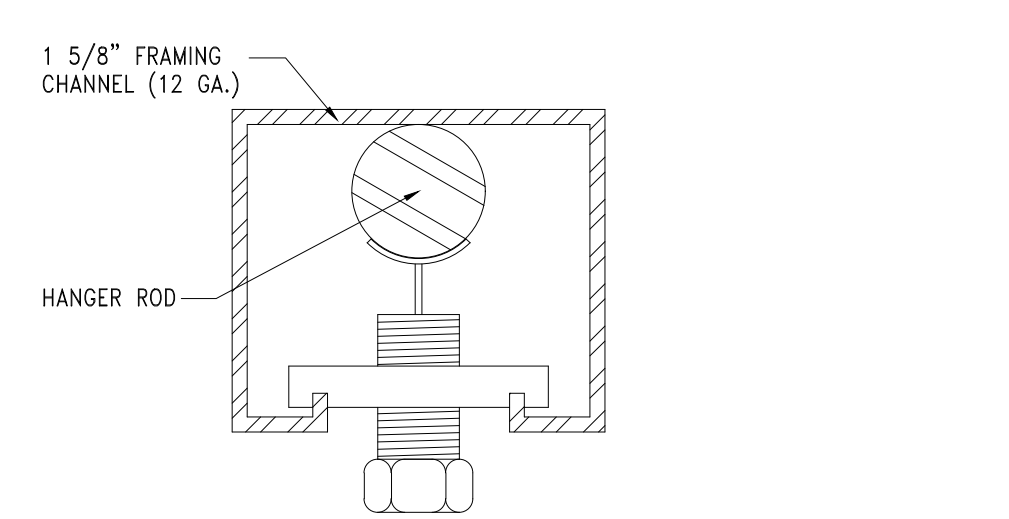
Setting information	Symbol	Units	Nominal anchor dia. (in.)													
			1/4	3/8	1/2		5/8		3/4		1		1 1/4			
Effective min. embedment	h_{ef}	in.	1-1/2	1-1/2	2	2-1/2	1-1/2	2	2-1/2	3-1/4	2-3/4	3-1/4	4	3-1/4	3-3/4	4-3/4
		(mm)	(38)	(38)	(51)	(64)	(38)	(51)	(64)	(83)	(70)	(83)	(102)	(83)	(95)	(121)
Min. member thickness	t_{min}	in.	3-1/4	3-1/4	4	5	3-1/2	4	5	5-1/2	5	5-1/2	6	5-1/2	6	8
		(mm)	(83)	(83)	(102)	(127)	(89)	(102)	(127)	(140)	(127)	(140)	(152)	(140)	(152)	(203)
Stainless Steel																
Min. edge distance	c_{min}	in.	1-1/2	5	2-1/2	2-1/2	2-3/4	2-1/2	2-1/4	4	3-1/4	2-1/4	5	4	3-3/4	
		(mm)	(38)	(127)	(64)	(64)	(70)	(64)	(57)	(102)	(83)	(57)	(127)	(102)	(95)	
for $s \geq$	c_{min}	in.	1-1/2	8	5	5	5-1/2	4-1/2	5-1/4	7	5-1/2	7	11	7-1/2	5-3/4	
		(mm)	(38)	(203)	(127)	(127)	(140)	(114)	(133)	(178)	(140)	(178)	(279)	(191)	(146)	
Min. anchor spacing	for $c \geq$	in.	1-1/2	5	2-1/4	2-1/4	2-3/4	2-1/2	2	5-1/2	2-3/4	3	5	4	4	
		(mm)	(38)	(127)	(57)	(57)	(70)	(64)	(51)	(140)	(70)	(76)	(127)	(102)	(102)	
for $c \geq$	c_{min}	in.	1-1/2	8	4	3-1/2	4-1/8	5	4-3/4	5-1/2	4	4-1/4	8	6	5-1/4	
		(mm)	(38)	(203)	(102)	(89)	(105)	(127)	(121)	(140)	(102)	(108)	(203)	(152)	(133)	



A-34 TYPICAL DRILLED CONCRETE ANCHORS

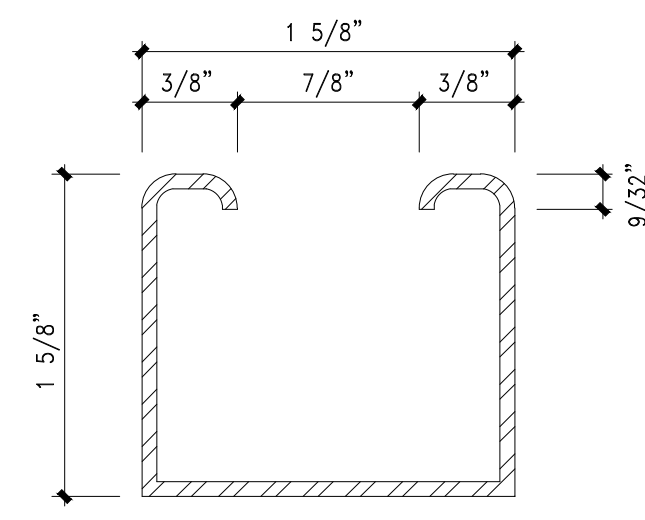
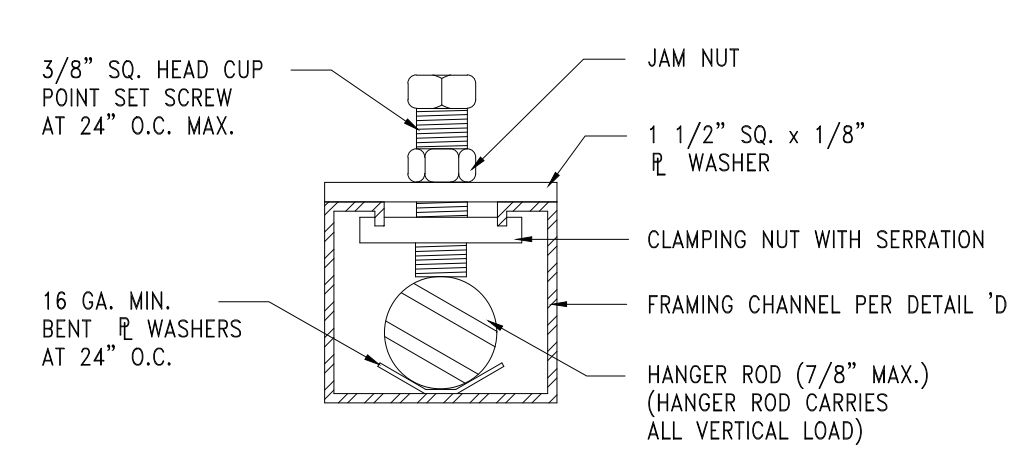
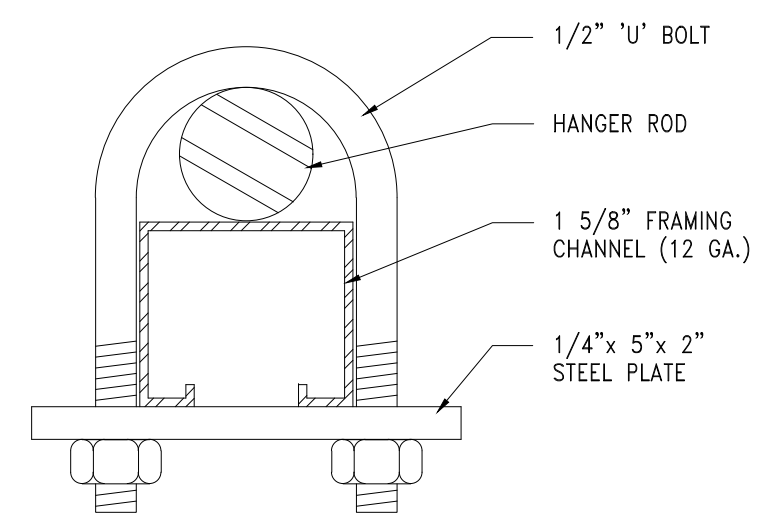
A-40 FLEX HOSE W/RESTRAINING CABLE FOR MOBILE GAS OVEN

A-36 ANCHORAGE AT EMPLOYEE LOCKERS



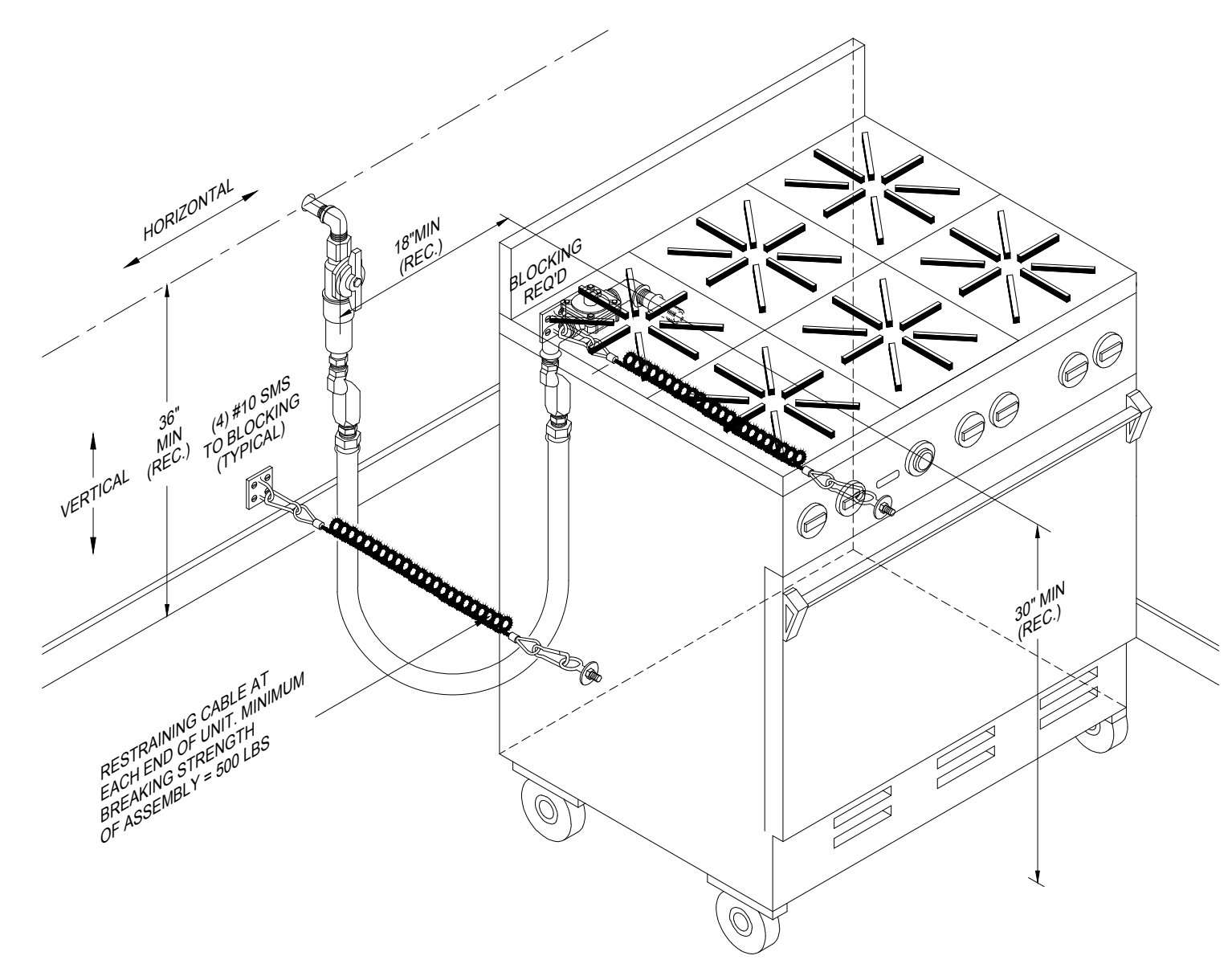
TORQUE VALUES FOR FRAMING CHANNEL BOLTS

BOLT SIZE	1/4"	5/16"	3/8"	1/2"
FOOT POUNDS	6	11	19	50



A-30 FRAMING CHANNEL / ROD STIFFENER

A-41 FLEX HOSE W/RESTRAINING CABLE FOR MOBILE OPEN BURNER



NOTE: SEE SHEET FS.09.0 FOR REFERENCE DETAILS APPLICABLE TO DETAILS ON THIS SHEET

NOTE: SEE SHEET FS.00.0 FOR ATTACHMENT RESTRAINT NOTES AND OTHER APPLICABLE NOTES

NOTE: DETAILS SHOWN ON THIS SHEET ARE FOR ATTACHMENT ONLY... FOR SHEETMETAL CONSTRUCTION AND INFORMATION, SEE DETAILS ON SHEETS FS.08.0 AND FS.08.1

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

- NOT USED NTS - NOT USED NTS - NOT USED NTS - NOT USED NTS - NOT USED NTS

FOR REFERENCE ONLY

PROJECT No. : 1-34-32
 7/5/2024 12:50 PM

DATE	DESCRIPTION	DATE	DESCRIPTION

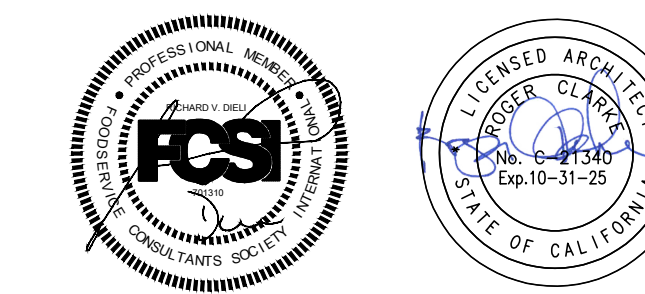
RUHNAUCLARKE.COM

KITCHEN UPGRADES
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

FOODSERVICE EQUIP.
 ATTACHMENT DETAILS

FS.09.1

KITCHEN UPGRADES:

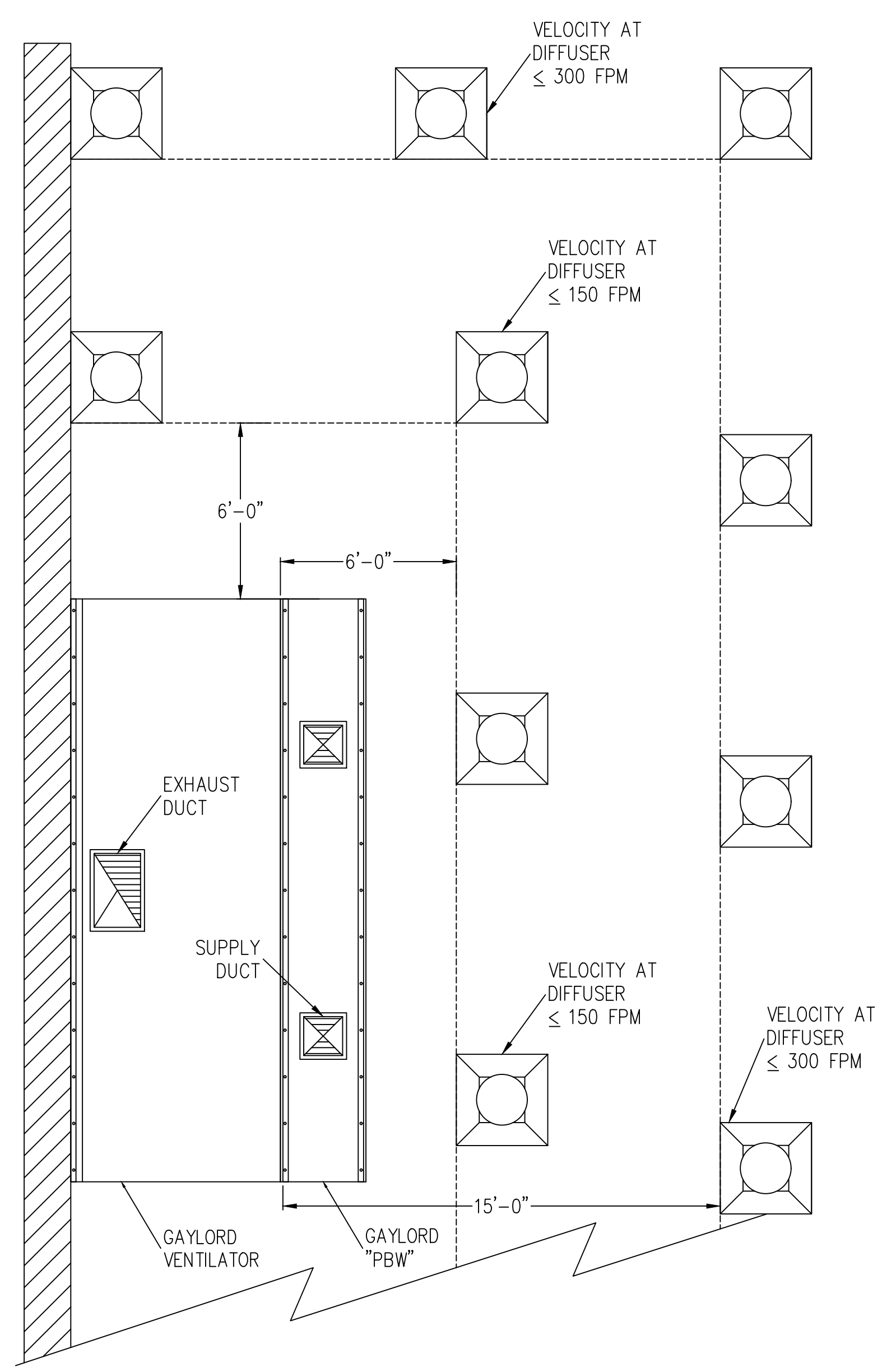


STAMPS

DIELI MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Dieli Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

**RUHNAU
 CLARKE
 ARCHITECTS**

CONSULTANT BRANDING



Gaylord Capture Performance Guarantee

Gaylord warrants the Capture Performance of the ventilator, only if the Exhaust Air Volumes are correct, per the Exhaust Air Volume Guidelines, and the Make-up Air Volumes are correct and the make-up air is delivered correctly, per the Make-up Air Delivery Guidelines as stated below.

- Exhaust Air Volume Guidelines:**
- The amount of air exhausted by the Gaylord Ventilator shall be between 100% and 110% of the values shown on the Plan View for the Exhaust Ducts for each ventilator

- Make-up Air Delivery Guidelines:**
- Gaylord "PBW" Plenum boxes shall be included for each ventilator
 - The amount of make-up air delivered through the Gaylord "PBW" plenum boxes shall be between 90% and 100% of the values shown on the Plan View for the Supply Ducts for each ventilator
 - The make-up air delivered using Gaylord "PBW" plenum boxes shall not exceed 60% of the exhaust volume of the ventilator
 - Ceiling diffusers shall be at least 6'-0" from all sides of the ventilator and the velocity at the diffuser shall not exceed 150 Feet per Minute (FPM)

- OR**
- Ceiling diffusers shall be 15'-0" from all sides of the ventilator and the velocity at the diffuser shall not exceed 300 Feet per Minute (FPM)
- The maximum velocity of the make-up air from Transfer Air, Diffusers, etc. shall not exceed 75 FPM at the ventilator lip
 - Cross drafts from pass through windows, hallways, or other openings shall not exceed 50 FPM
 - All forms of make-up air introduction (PBW, Transfer Air, Diffusers, etc.) must be evenly distributed around each ventilator to prevent unequal pressurization
 - Kitchen pressurization shall not exceed -0.02"W.G. relative to the dining or adjacent spaces, as stated in NFPA-96 and ASHRAE Standard 154
 - For more information on acceptable methods of Make-up Air Delivery reference ASHRAE Standard 154.

Following these guidelines will result in proper capture and containment at the ventilator and enact the Gaylord Capture Performance Guarantee. If jobsite conditions cannot accommodate these guidelines, consult factory for alternative design.

THE GAYLORD VENTILATOR TESTING, LISTING AND COMPLIANCE REFERENCES:

IMPORTANT NOTE: Gaylord Ventilators are designed to meet the National codes listed below. Local codes may vary. Gaylord Industries must be notified in writing of local codes that may affect the ventilator design.

NATIONAL FIRE PROTECTION ASSOCIATION
 The exhaust ventilator meets all requirements of the latest edition of NFPA-96.

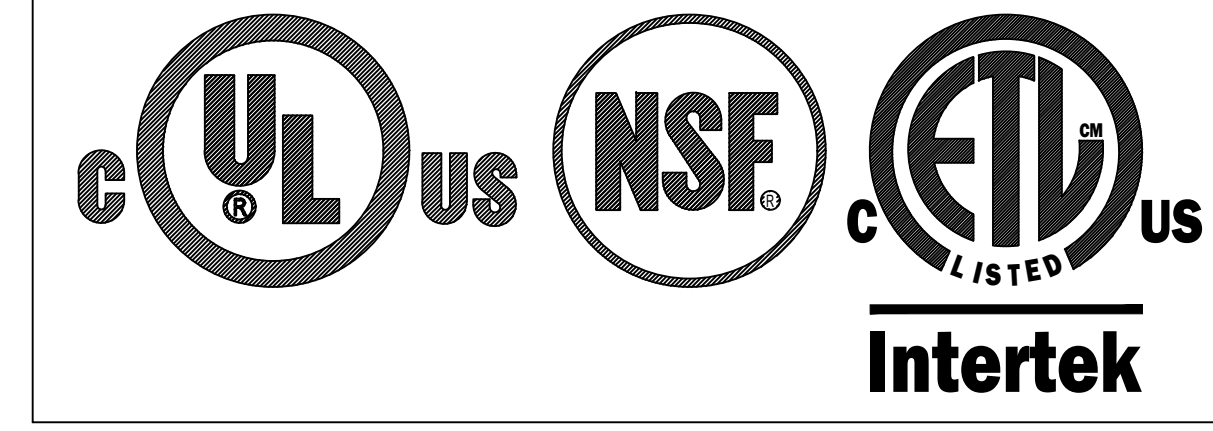
NATIONAL SANITATION FOUNDATION
 The exhaust ventilator is NSF listed to: Standard #2 - "Food Service Equipment"

INTERNATIONAL & UNIFORM MECHANICAL CODE
 The exhaust ventilator meets all requirements of IMC and UMC.

UNDERWRITERS LABORATORIES, INC.
 The exhaust ventilator is UL Listed. *

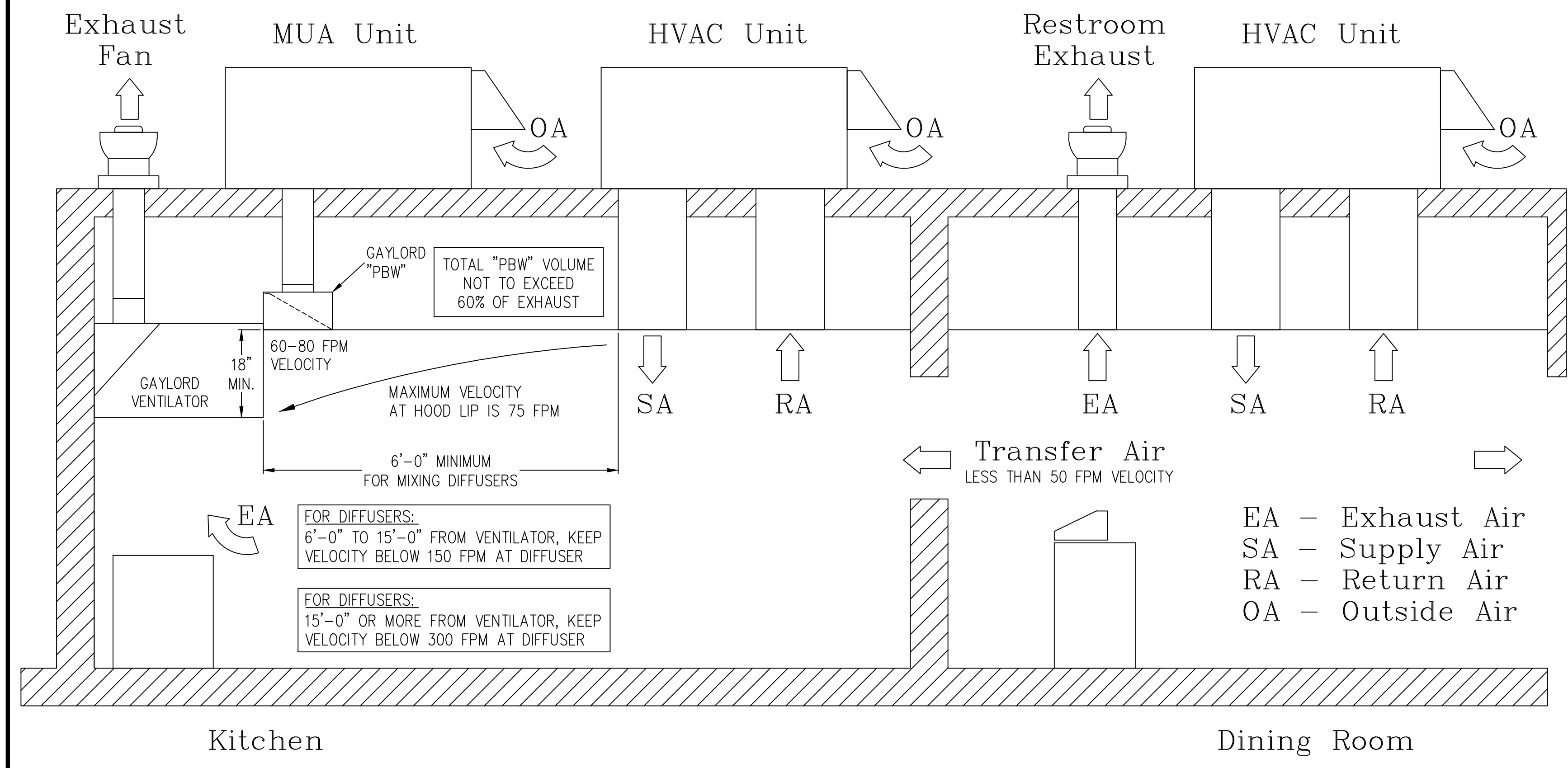
INTERTEK TESTING SERVICES
 The exhaust ventilator is ETL Listed. *

* UL and ETL listed exhaust ventilators are tested to standard: UL 710 - "Exhaust Hoods for Commercial Cooking Equipment".



GENERAL NOTES FOR NON-WATER WASH VENTILATORS

- ELECTRICAL**
- Locate Fan Start/Stop Switch in a convenient location. Refer to the wiring diagram for required voltage.
 - If ventilators are equipped with light fixtures, provide a separate light circuit to the ventilator as shown on electrical plan.
- EXHAUST VOLUME REQUIREMENTS**
- Exhaust Volumes as shown on the drawings are determined by established Gaylord engineering methods and in accordance with the terms of the ventilator's listing. These air volume levels require that the make-up air be brought into the space in such a way that it does not negatively affect the ventilator. See the Make-up Air Requirements and the "Typical Design" drawing.
 - Ventilator static pressure is noted on each ventilator plan view. Total duct system and other external static's must be added to the ventilator static for determining the total system static pressure drop. Static based on operation at mean sea level at 75°F kitchen ambient.
- MAKE-UP AIR REQUIREMENTS**
- Make-up air is critical to the performance of the ventilator.
 - The total amount of make-up air (supply air) brought into the kitchen must be between 90% and 100% of the total exhaust volume. It should be brought in throughout the kitchen evenly for best results. See the "Typical Design" drawing.
- AIR FLOW RATES**
- Exhaust and Supply Air Flow Rates were established under controlled laboratory conditions. Greater Exhaust and/or lesser Supply Air Flows may be required for complete vapor removal in specific installations.
- INSTALLATION**
- Ventilators to be installed in accordance with NFPA-96 and all other local applicable codes. Contractors must review applicable codes with code authorities before approving drawings for fabrication. Special attention must be given to code regulations relative to clearances from surrounding combustible and limited combustible construction (walls, ceiling, etc.).
 - Ventilators manufactured in multiple sections are factory pre-wired to a single connection point. Ventilator wiring is disconnected for shipment to be reconnected by electrical contractor.
 - Ventilators manufactured in multiple sections may have drains factory interconnected (see drawing) to a single outlet point. Ventilator plumbing is disconnected for shipment to be reconnected by plumbing contractor.
- All ductwork beyond the ventilator duct take-off collar to be provided and installed by others, in accordance with applicable codes. Exhaust ducts must be continuously welded liquid tight.
 - All ventilators are equipped with hanging brackets. Hanging rods to be supplied by ventilator installer. Hanging weight of the ventilator(s) is noted on each drawing.
 - Ventilators manufactured in multiple sections are provided with bolts, clips, and all necessary hardware for reconnecting by the ventilator installer.
- CONSTRUCTION**
- Ventilators are manufactured in strict accordance with Gaylord specifications.
 - Ventilators constructed of 18 Ga. stainless steel, Type 300 series, No. 4 finish unless otherwise noted on drawings.
- FIRE EXTINGUISHING SYSTEM**
- Fire extinguishing system to be installed in accordance with NFPA-96. Refer to "FIRE PROTECTION SYSTEM NOTES" for information on supplier and installation. Caution: Fire extinguishing system piping installed on the ventilator at job site should be coordinated with Gaylord to ensure piping does not interfere with the ventilator's operation/performance. Improper installation may void the Listings of the ventilator.
 - IMPORTANT NOTE:** NFPA-96 requires that all gas and electric cooking equipment, that is protected by surface fire protection, must automatically shut off upon activation of the fire extinguishing system.
 - IMPORTANT NOTE:** Most building departments require separate hood and fire protection permits prior to installation. The hood permit is typically obtained through the plan review department and the fire protection permit from the fire prevention bureau. It is the responsibility of the installing contractor to check with local building departments for their requirements and to obtain necessary permits.
- LIGHTING**
- Light fixtures in ventilators will provide less than 30 foot candles of light at the cooking surface as a standard, unless otherwise noted on Section View. Confirm if this amount of light is acceptable with local health codes.



1 TYP DESIGN + CAPTURE PERFORMANCE GUARANTEE

2 GENERAL NOTES

FOR REFERENCE ONLY

ISSUE No.	DATE	DESCRIPTION	REVISION No.	DATE	DESCRIPTION

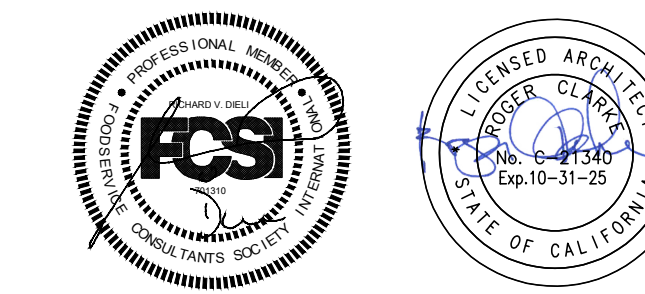
RUHNAUCLARKE.COM

KITCHEN UPGRADES
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**FOODSERVICE EQUIP.
 EXHAUST HOOD
 DETAILS**

FS.10.0

KITCHEN UPGRADES:

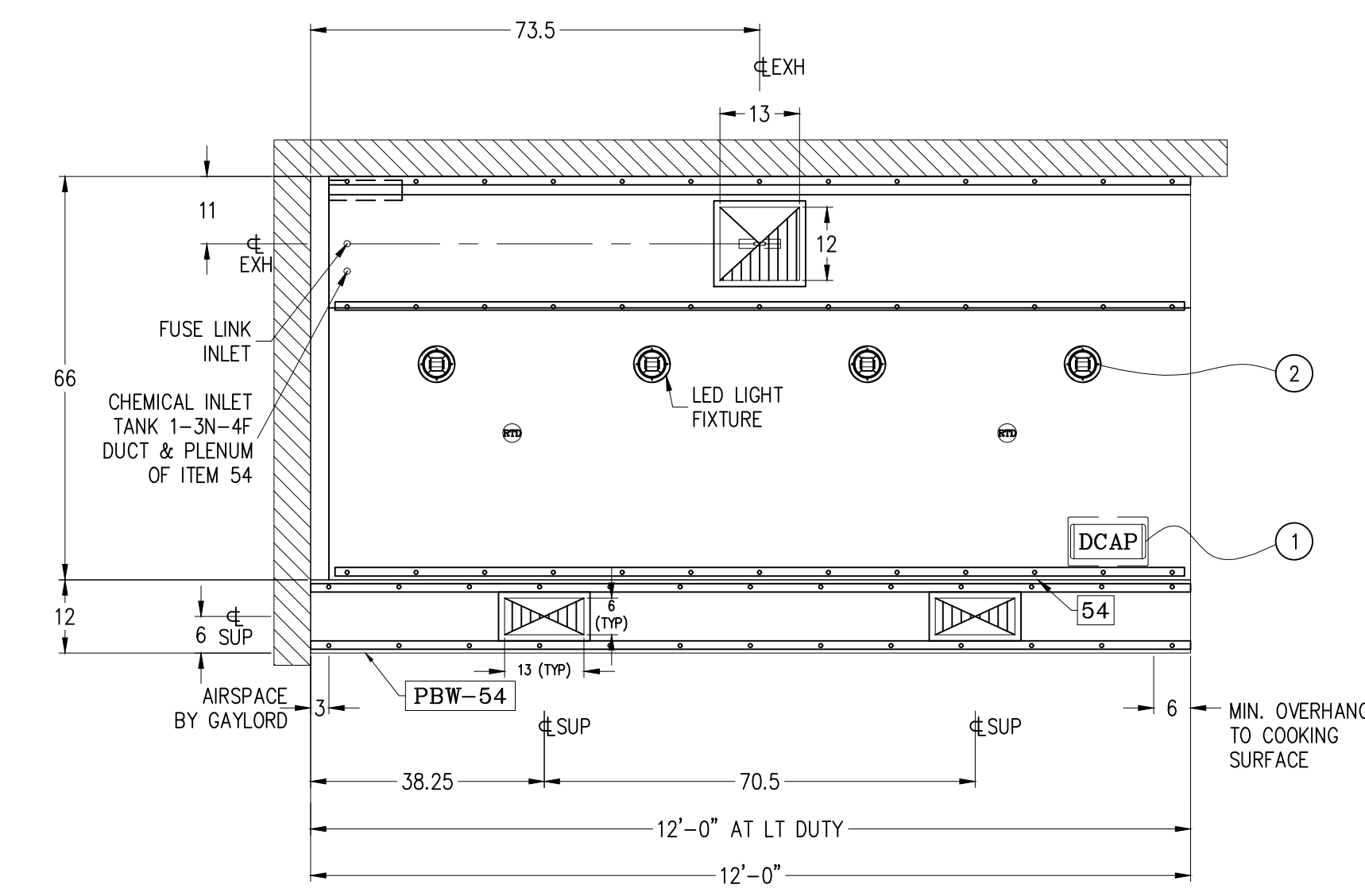


STAMPS

DIELI MURAWKA HOWE
A Division of WEBB FOODSERVICE DESIGN
Food Service Design Consultants
P.O. Box 28197, San Diego, CA 92128
Design By: Richard Dieli Phone: 619.285.1189
1530 South Lewis Street, Anaheim, CA 92805
Phone: 714.508.1880

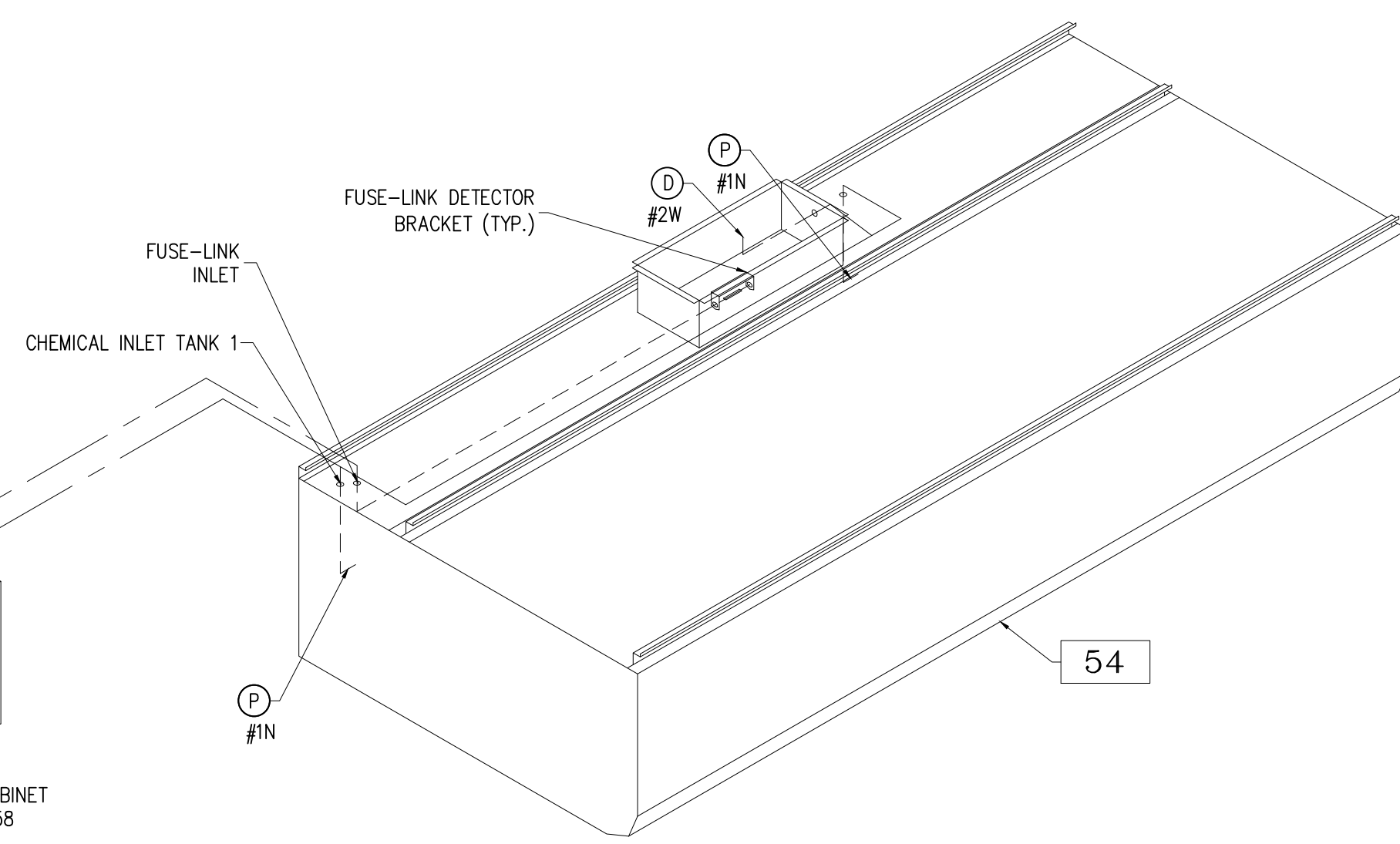
RUHNAU
CLARKE
ARCHITECTS

CONSULTANT BRANDING



FLOW POINT CALCULATION CHART
NOZZLE QUANTITY FLOWS
1N 2 1 (EACH)
2W 1 2 (EACH)
TOTAL: 3 4

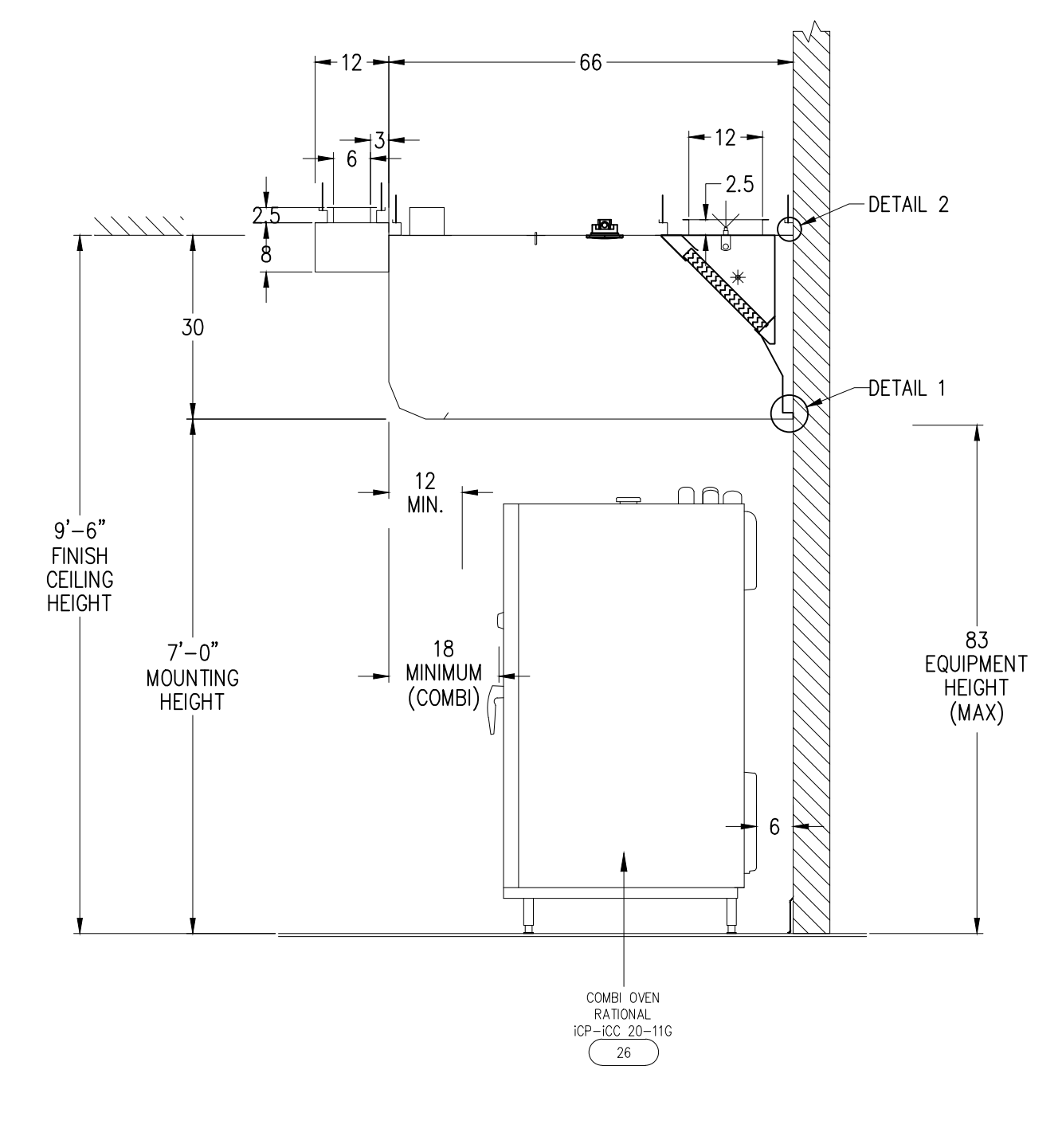
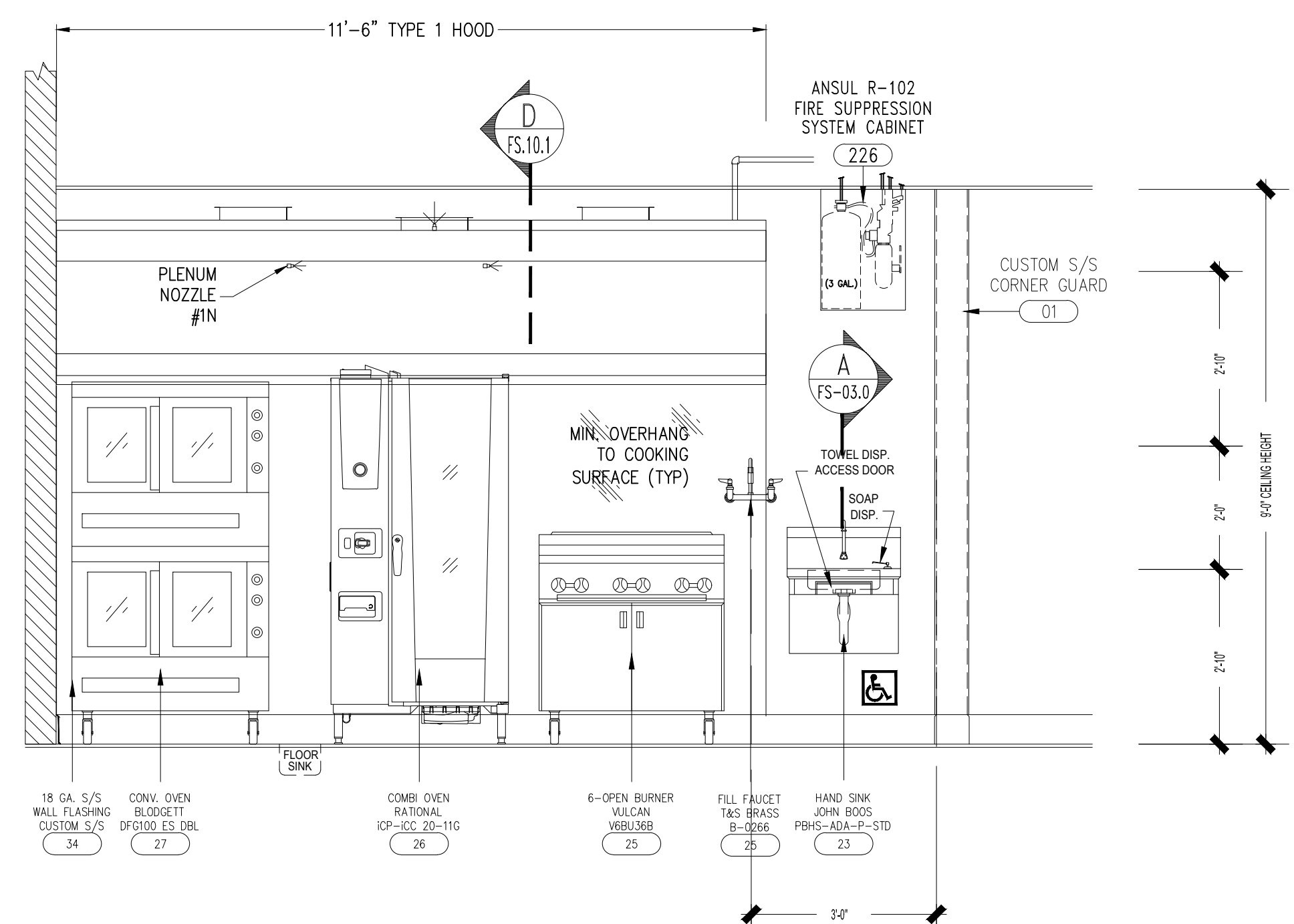
- (D) = DUCT NOZZLE
(P) = PLENUM NOZZLE
(A) = APPLIANCE NOZZLE



DISTRIBUTION PIPING REQUIREMENTS PER 3 GALLON TANK
REQUIREMENTS SUPPLY BRANCH LINE PLENUM BRANCH LINE APPLIANCE BRANCH LINE
PIPE SIZE 3/8 IN. 3/8 IN. 3/8 IN. 3/8 IN.
MAXIMUM LENGTH 40 FT. 8 FT. 4 FT. 12 FT.
MAXIMUM RISE 6 FT. 4 FT. 2 FT. 2 FT.
MAXIMUM 90° ELBOW 9 4 4 6
MAXIMUM TEES 1 2 2 4
MAXIMUM FLOW NUMBERS 11* 4 2 4

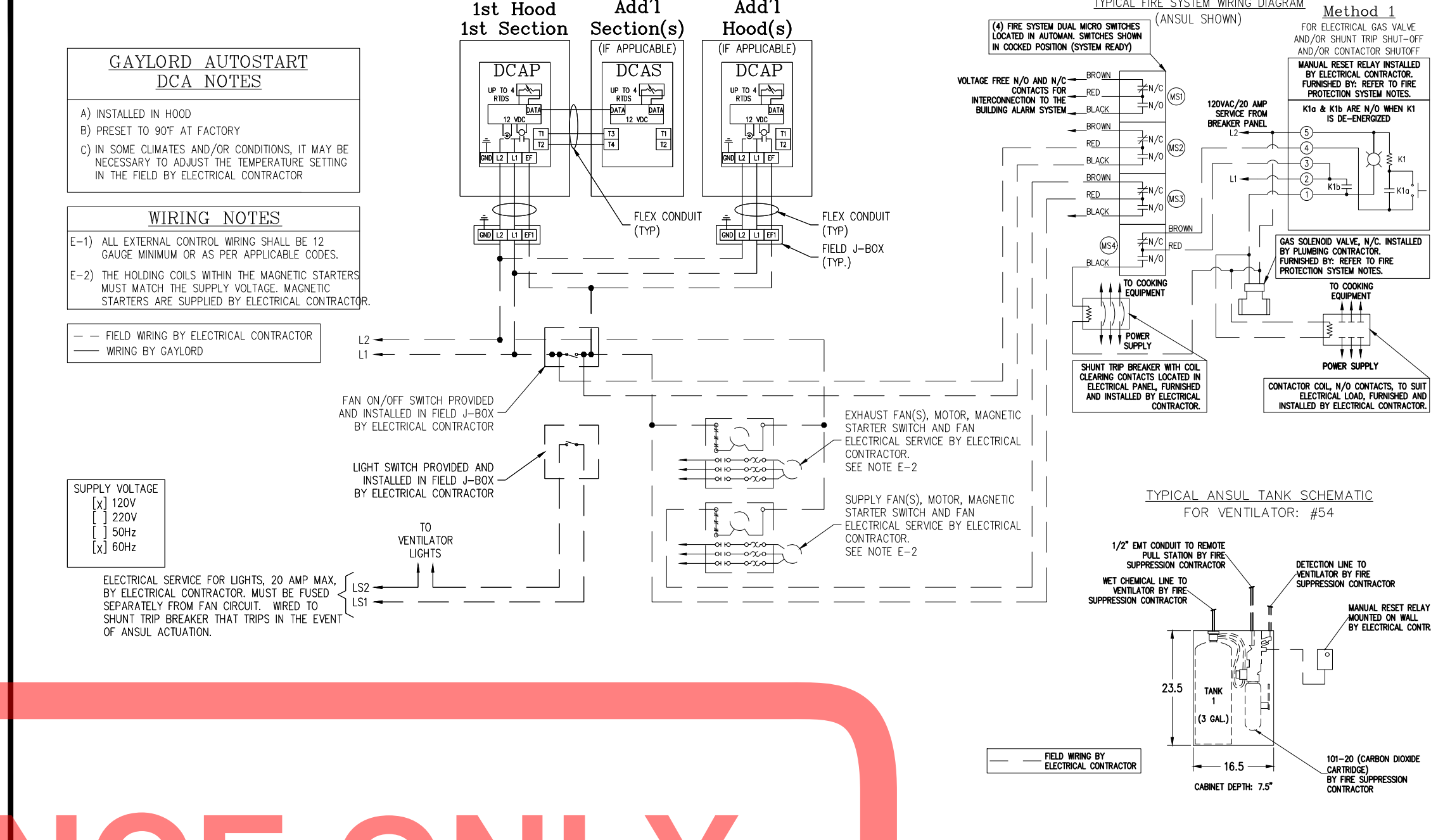
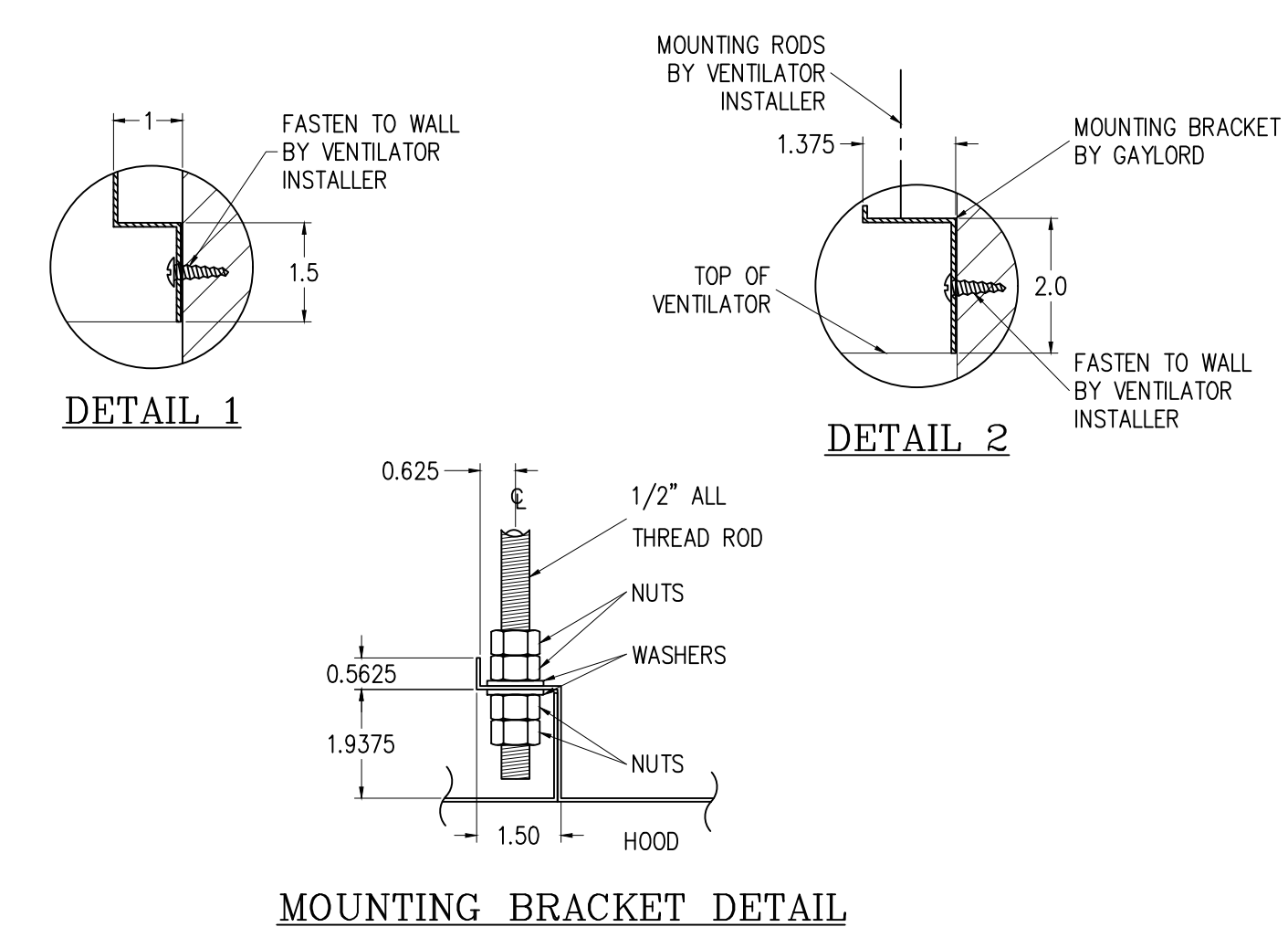
A PLAN VIEW of TYPE 1 EXHAUST HOOD (Item #28) - MODEL #EL-SD-SS-DCA-300-66 1/2"=1'-0"

B FIRE SUPPRESSION SYSTEM (Items #31, 32 + 33) - (Isometric View) N.T.S.



C ELEVATION of TYPE 1 EXHAUST HOOD (Item #28) + FIRE SUPPRESSION SYSTEM (Items #31, 32 + 33) 1/2"=1'-0"

D SECTION of TYPE 1 EXHAUST HOOD 1/2"=1'-0"



HOOD EXHAUST INFORMATION CHART, HOOD SUPPLY INFORMATION CHART, HOOD CARTRIDGES, HOOD INFORMATION

VENTILATOR NOTES (NON-WATER WASH)

- A) VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT AND LOCATION IN RELATION TO VENTILATOR PRIOR TO FABRICATION.
B) FRONT AND REAR MOUNTING BRACKETS HAVE #0.625" HOLES... BRACKETS TO BE SUPPORTED WITHIN 12" OF EACH END OF EACH SECTION...
C) INTERIOR MOUNTING BRACKET(S) TO BE SUPPORTED WITHIN 36" OF EACH END OF EACH SECTION...

VERIFY EXHAUST & SUPPLY FANS

- A) VERIFY IF THIS HOOD IS EXHAUSTED ON ITS OWN EXHAUST FAN OR IS IT EXHAUSTED ON A COMMON EXHAUST FAN SHARED WITH OTHER HOODS.
B) VERIFY NUMBER OF SUPPLY (MAKE-UP AIR) FANS.

PBW PLENUM FEATURES

- * REMOVABLE S/S PERFORATED PANEL(S)
* ALL EXPOSED SURFACES ARE STAINLESS STEEL

LIGHTING NOTE

THIS LIGHTING IN THIS VENTILATOR IS DESIGNED TO PROVIDE 50 FOOT CANDLES OF LIGHT AT THE COOKING SURFACE, IF 50 FOOT CANDLES OF LIGHTING IS PROVIDED IN THE SURROUNDING SPACE.

THESE LED FIXTURES ARE PROVIDED WITH LED SMD CHIPS INTEGRATED INTO THE FIXTURE ASSEMBLY, THEREFORE NO SEPARATE BULBS ARE REQUIRED.

VENTILATOR WIRING NOTES (NON-WATER WASH)

- (3) WIRES AND GROUND, FOR DCA CONTROL, IN FLEXIBLE CONDUIT, EXTENDING 6' BEYOND END OF VENTILATOR BY GAYLORD. WIRED TO SUPPLY VOLTAGE AND FAN ON/OFF SWITCH BY ELECTRICAL CONTRACTOR.
* LIGHT FIXTURES, VAPOR PROOF, U.L. LISTED, * FURNISHED, INSTALLED AND WIRED BY GAYLORD.



E.T.L. LISTING #103195872CRT-002
GAYLORD DWG. #19-0031
HOOD #54 MODEL #EL-SD-SS-DCA-300-66
TOTAL HOOD HANGING WEIGHT: 1020 LBS
PLENUM BOX #PBW-54 MODEL #PBW-12
TOTAL PLENUM BOX WEIGHT: 180 LBS

E HOOD MOUNTING DETAILS N.T.S.

F TYPICAL FIRE SUPPRESSION SYSTEM WIRING DIAGRAM (ANSUL SHOWN) N.T.S.

G HOOD EXHAUST INFORMATION CHART N.T.S.

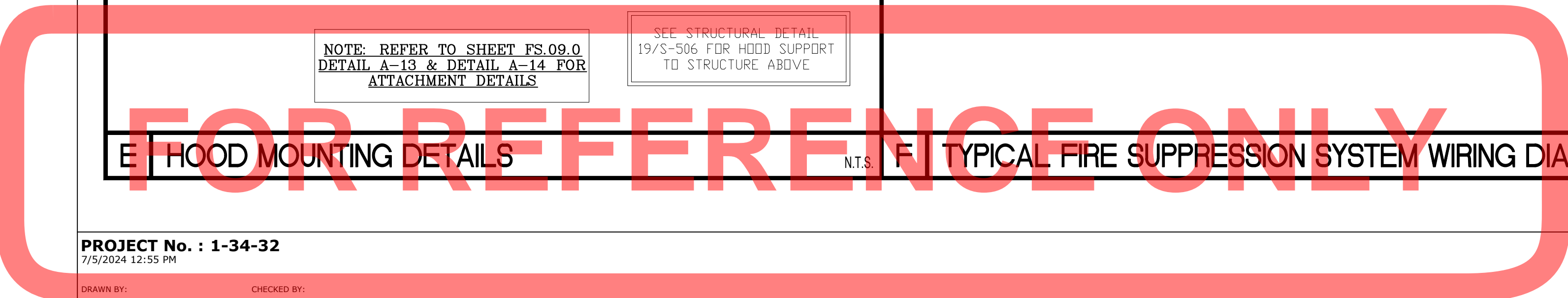
H EXHAUST HOOD NOTES N.T.S.

PROJECT No.: 1-34-32
7/5/2024 12:55 PM
DRAWN BY: CHECKED BY:
ISSUE No. DATE DESCRIPTION REVISION No. DATE DESCRIPTION

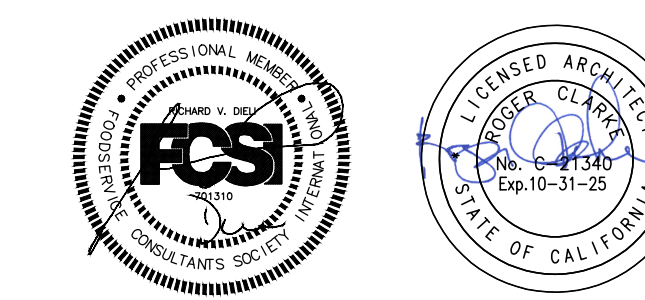
RUHNAUCLARKE.COM

KITCHEN UPGRADES
MADISON ELEMENTARY SCHOOL
5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
TWIN RIVERS UNIFIED SCHOOL DISTRICT

FOODSERVICE EQUIP.
EXHAUST HOOD
DETAILS
FS.10.1



KITCHEN UPGRADES:

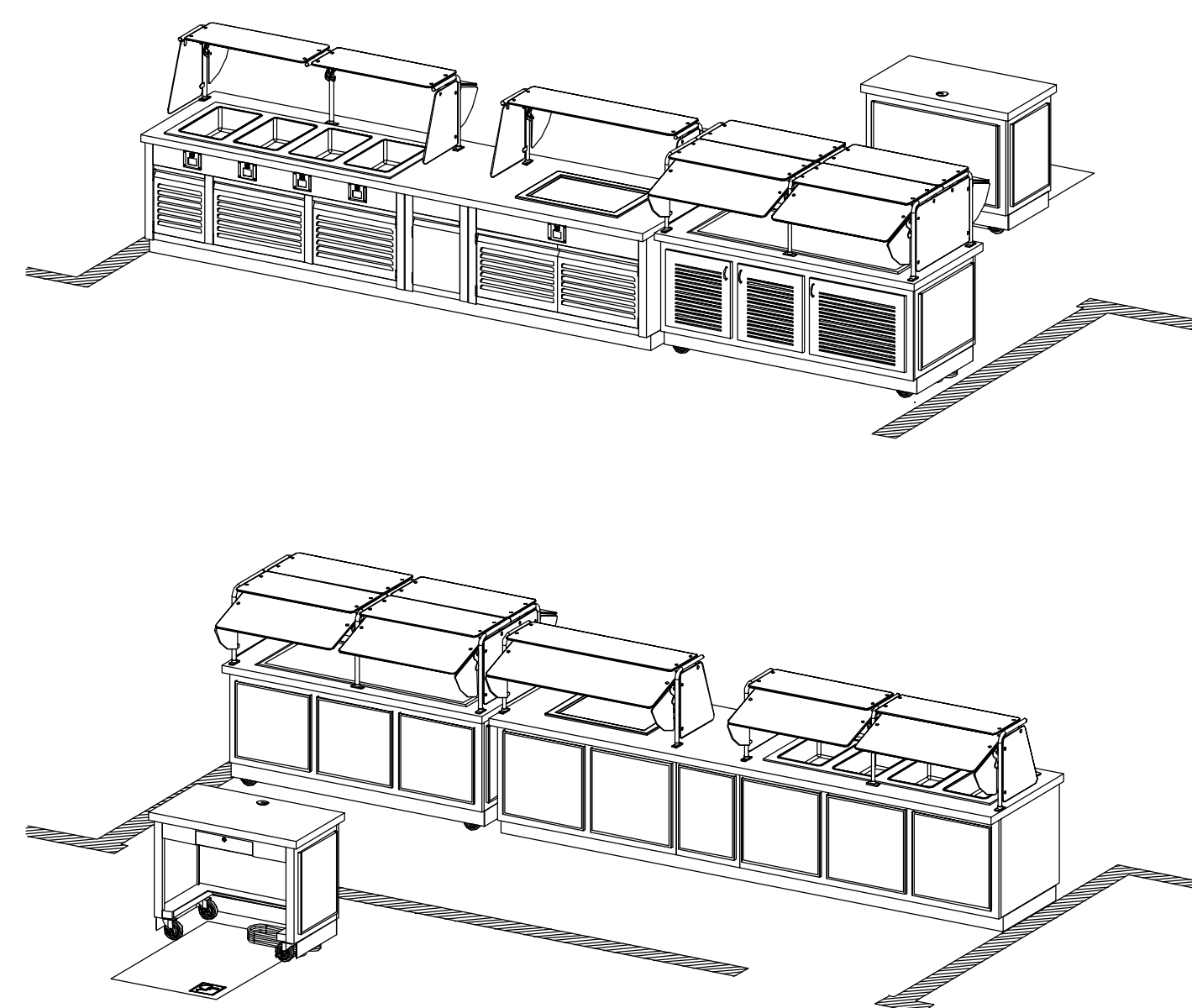


STAMPS

DIELI MURAWKA HOWE
 A Division of WEBB FOODSERVICE DESIGN
 Food Service Design Consultants
 P.O. Box 28197, San Diego, CA 92128
 Design By: Richard Dieli Phone: 619.285.1189
 1530 South Lewis Street, Anaheim, CA 92805
 Phone: 714.508.1880

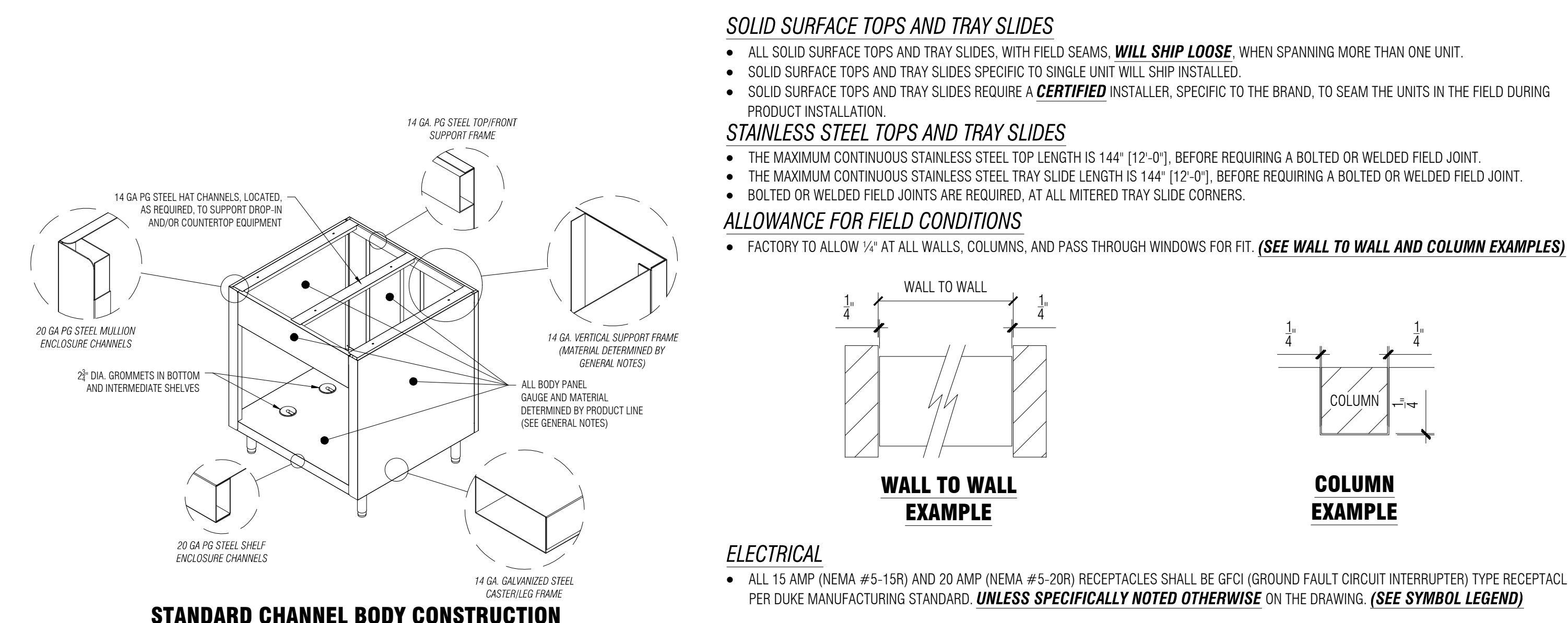
**RUHNAU
 CLARKE
 ARCHITECTS**

CONSULTANT BRANDING



1 3D VIEW

2 STANDARD SERVING SYSTEM PRACTICES



GENERAL NOTES

THIS DRAWING AND THE INFORMATION AND DATA CONTAINED HEREIN ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF DUKE MANUFACTURING CO., AND MAY NOT BE REPRODUCED OR DISCLOSED FOR ANY PURPOSE, WITHOUT THE WRITTEN PERMISSION OF DUKE MANUFACTURING CO.

THE FOLLOWING MUST BE VERIFIED PRIOR TO CONSTRUCTION

- ALL ELECTRICAL VOLTAGE AND PHASE OF DASH HOT FOOD SLOTS AND EQUIPMENT IF APPLICABLE
- ALL GENERAL FIELD DIMENSIONS ARE TO BE VERIFIED BY THE INSTALLER.

THIRDMARKER SERVING SYSTEMS

TOPS

- 14 GA. STAINLESS STEEL EXTENDED CONTINUOUS TOPS
- BOARDS & INTERIORS**
- 14 GA. STAINLESS STEEL 18" X 18" SQUARE ENCLOSURE CHANNELS, BODY PANELS AND INTERIOR SHELVES.
- TO INCLUDE STAINLESS STEEL PARTITION TO CONICAL INTERNAL FRAME.
- DECOR PANELS**
- 14 GA. GALVANIZED STEEL SHALL BE 3/8" EXTERIOR GRADE WOOD BACKS COVERED WITH PLASTIC LAMINATE.
- TO INCLUDE FULLY WELDED AND POLISHED 18" X 18" STAINLESS STEEL EDGE TRIM ACROSS BOTTOM OF PANELS & VERTICAL CORNERS.
- "N" Z-PERIMETER REVEAL.
- "PLASTIC LAMINATE GRAIN OF ANY WILL BE RUN HORIZONTAL."

LAMINATE TO BE _____ VERIFY

LAMINATE ID NUMBER _____ VERIFY

COUNTERS

- 14 GA. GALVANIZED CURB BASE (FOR ITEMS #50.1-#50.3)

CASTERS

- 20 GA. STAINLESS STEEL CASTERS WITH POLYURETHANE TIRES. ALL SWIVEL WITH BRAKES.

KICKPLATES

- 14 GA. STAINLESS STEEL KICK PLATES LOCATED WHERE INDICATED BY GENERAL NOTE. CUSTOM CONTINUOUS STYLE HELD BY WADKETS. NO VISIBLE SCREWS OR BRACKETS AND 2" GAP AT BOTTOM.

COLD FOOD DRAINS

- NSF-7 COLD PAN UNITS
- RECESSED DROP-IN STONE INSERT

BRAND _____ CHECKOUT

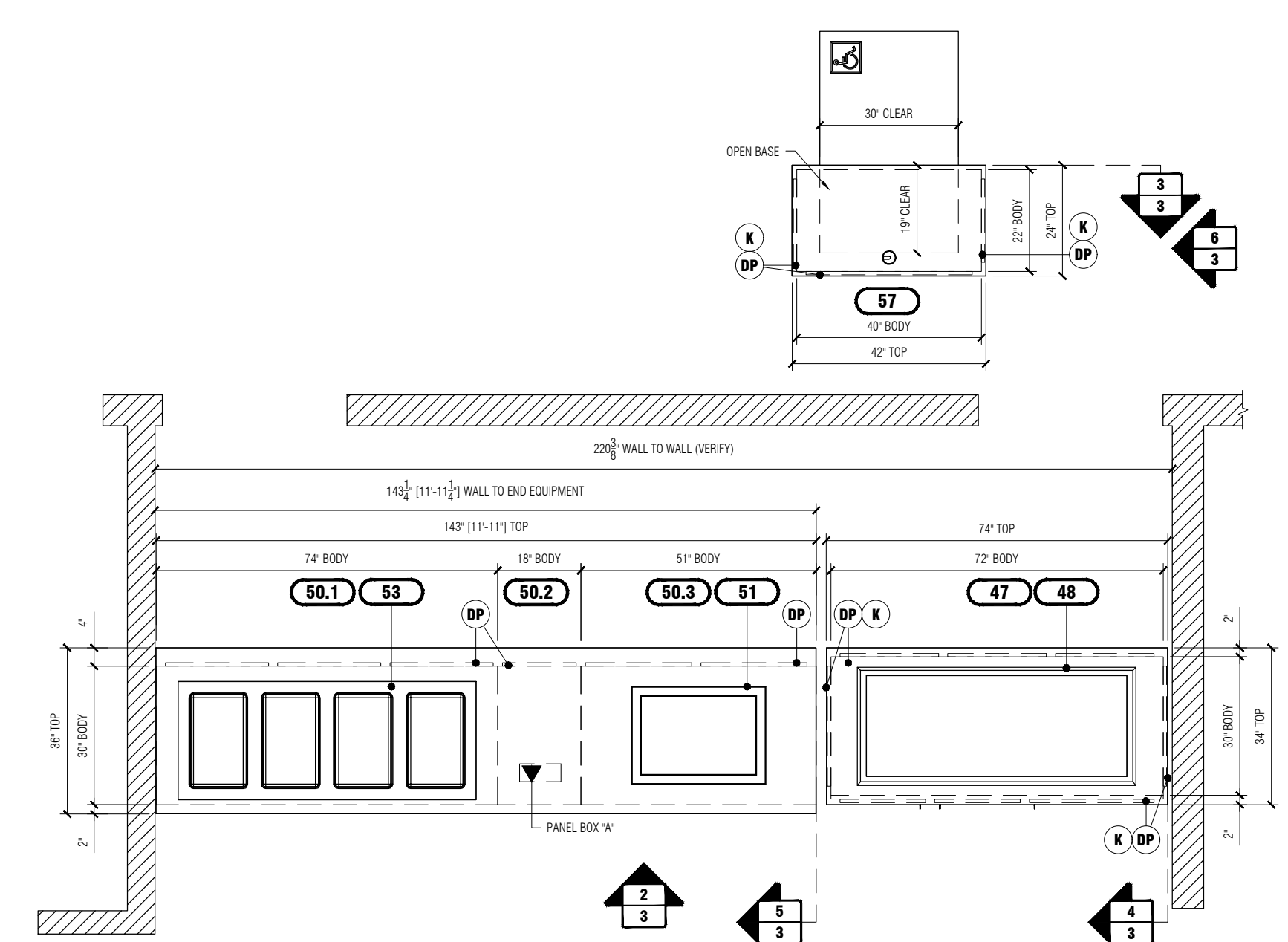
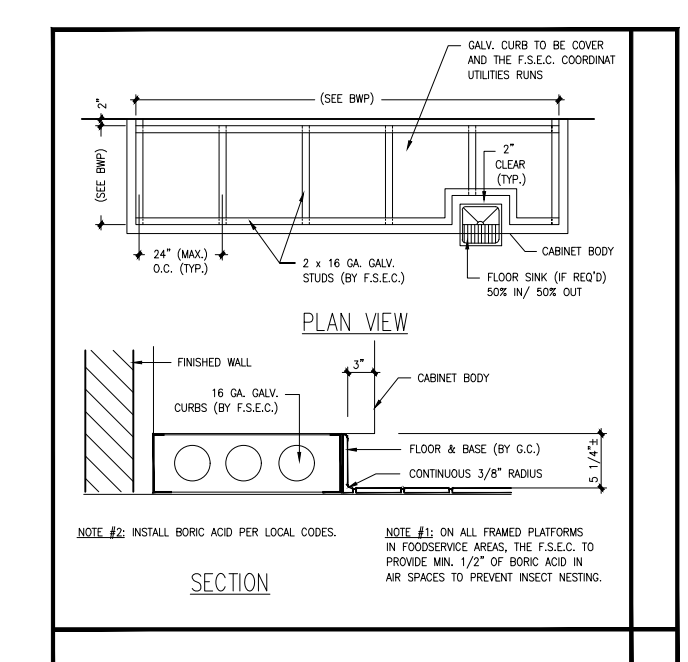
COLOR _____ VERIFY

BREATHINGARDS (TS-400 SERIES)

- 14 GA. STAINLESS STEEL BREATHINGARDS THROUGH TOP WITH CLEAR GLASS SHEETS, PROTECTORS & END ENCLOSURES.
- "BREATHINGARDS MUST BE USED TO LIFT ALL PARTS/HANDLES. DUKE MANUFACTURING DOES NOT ACCEPT RESPONSIBILITY FOR DOOR SHEETS DAMAGED ON THE FIELD DUE TO USER."

SYMBOL LEGEND					
DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SIMPLEX RECEPTACLE	[Symbol]	DUPLEX GFCI RECEPTACLE (NEMA 5-15R & 5-20R ONLY)	[Symbol]	ELEC. CORD AND PLUG	[Symbol]
KICKPLATE LOCATION	[Symbol]	LAMINATE LOCATION	[Symbol]	DECOR PANEL LOCATION	[Symbol]
EQUIPMENT TAG	[Symbol]	FIELD JOINT LOCATION	[Symbol]	22" GROMMET LOCATION	[Symbol]
VIEW TAG	[Symbol]	VIEW NUMBER	[Symbol]	VIEW NAME	[Symbol]
VIEW ARROWS	[Symbol]	PAGE NUMBER	[Symbol]	VIEW SCALE	[Symbol]
				COMPRESSOR WITH REMOVABLE GRILLE	[Symbol]

4 SYMBOL LEGEND



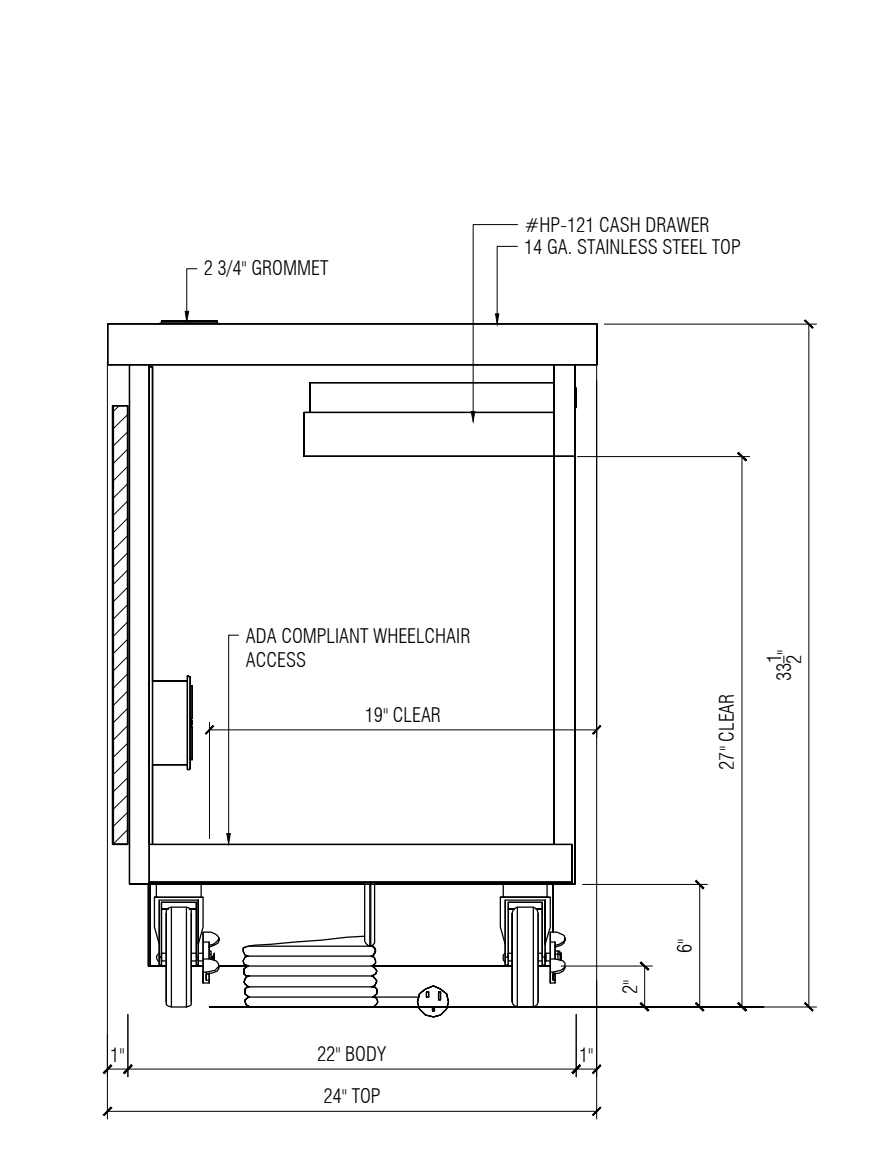
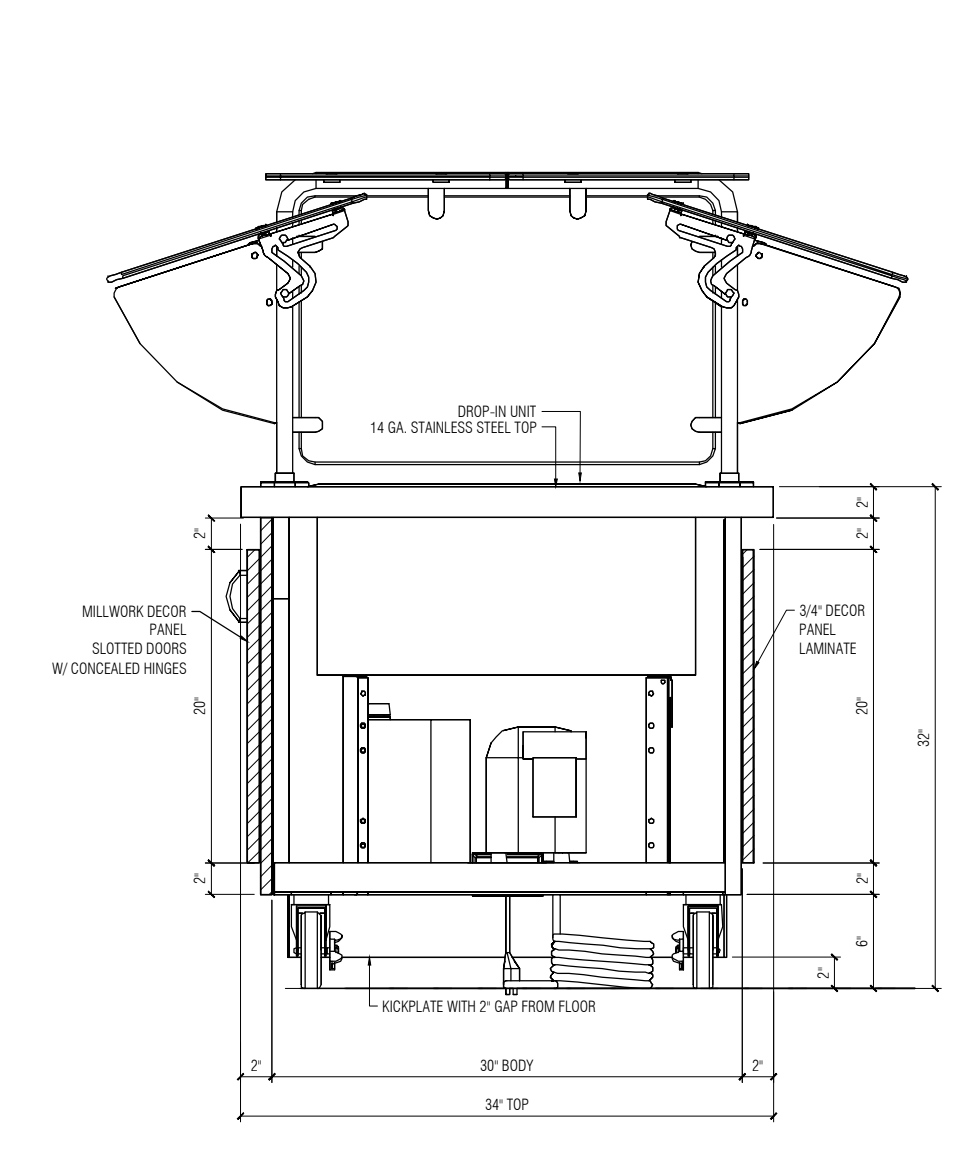
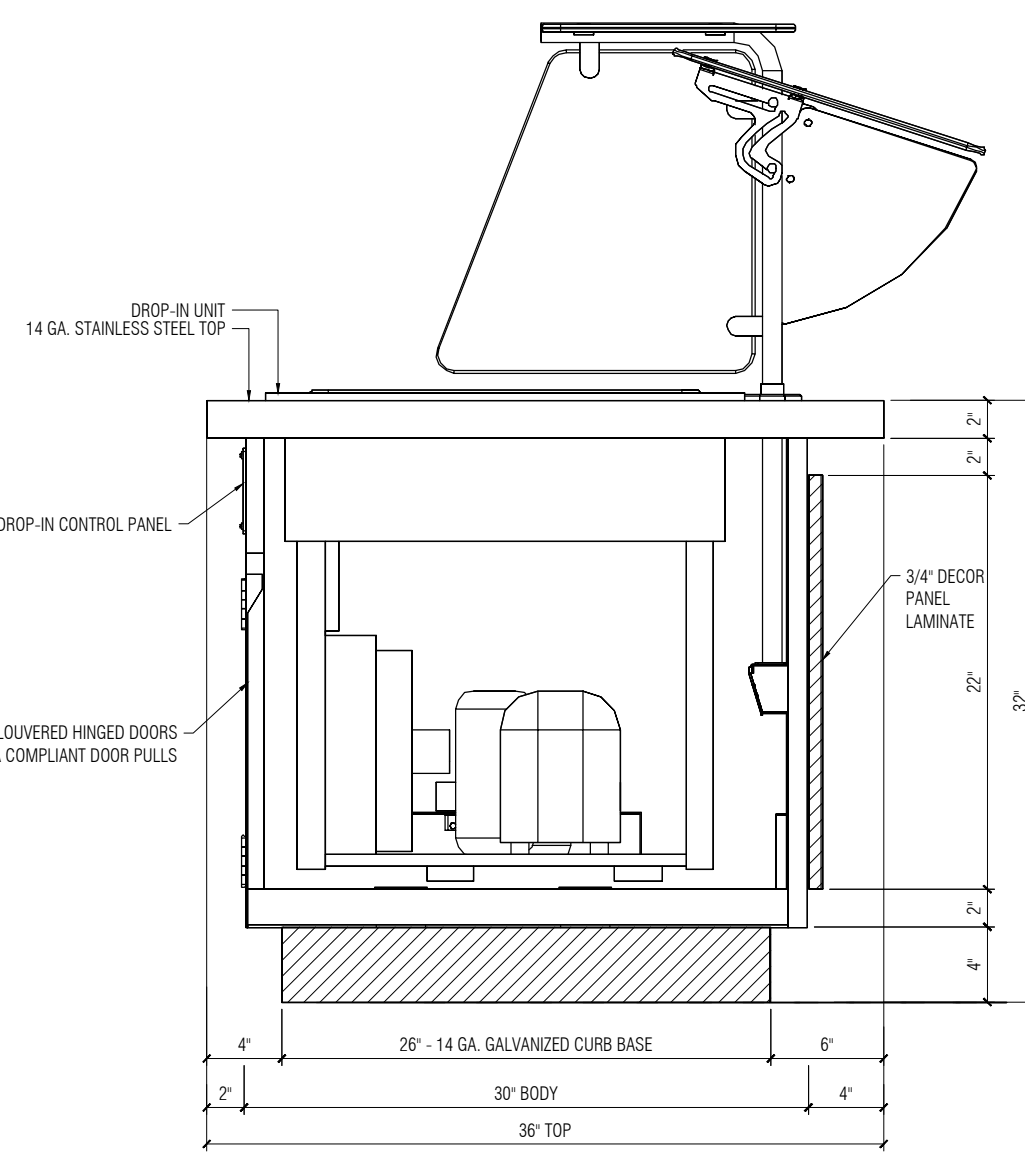
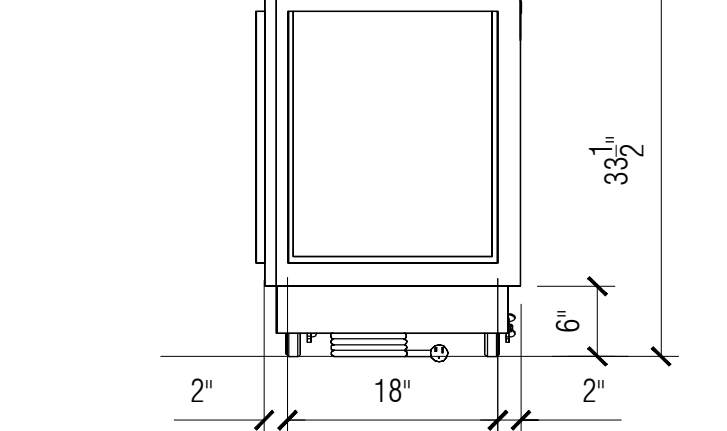
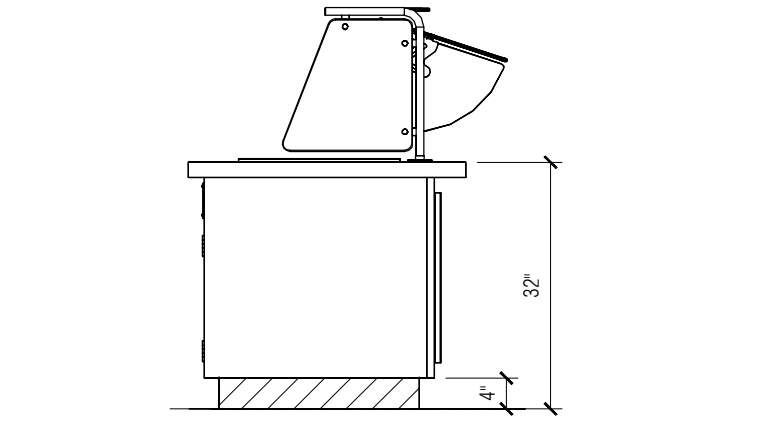
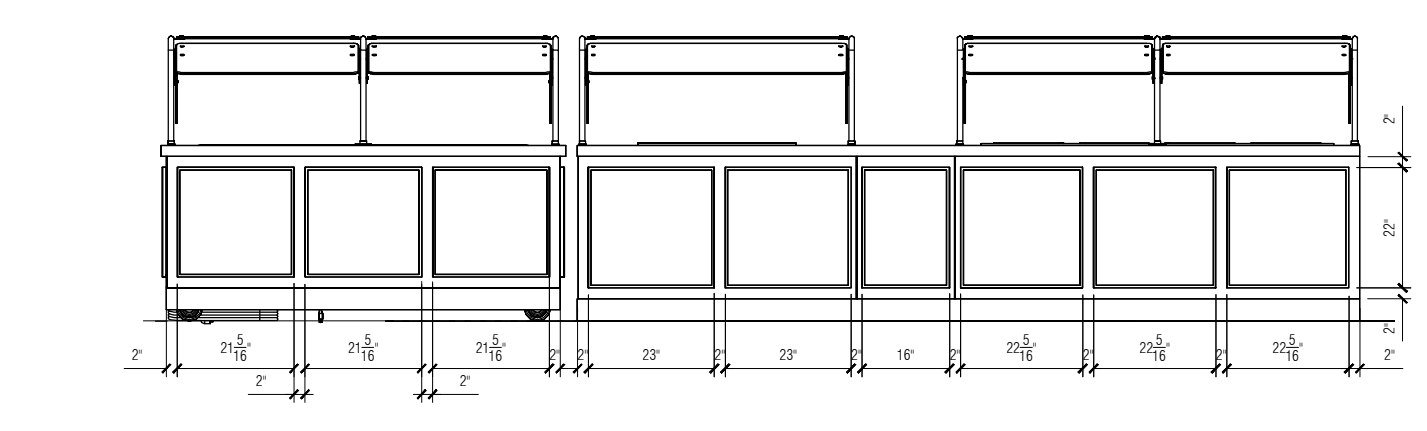
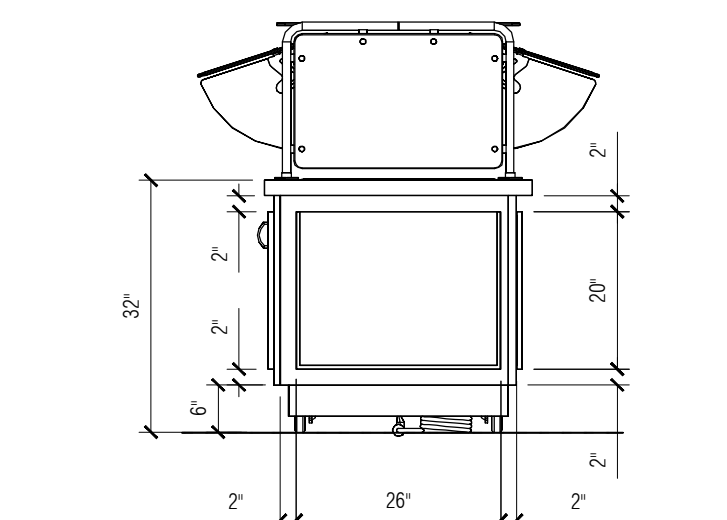
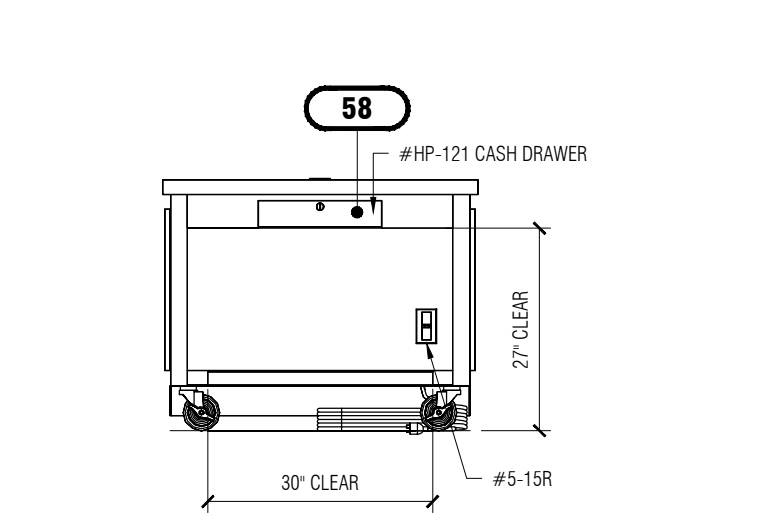
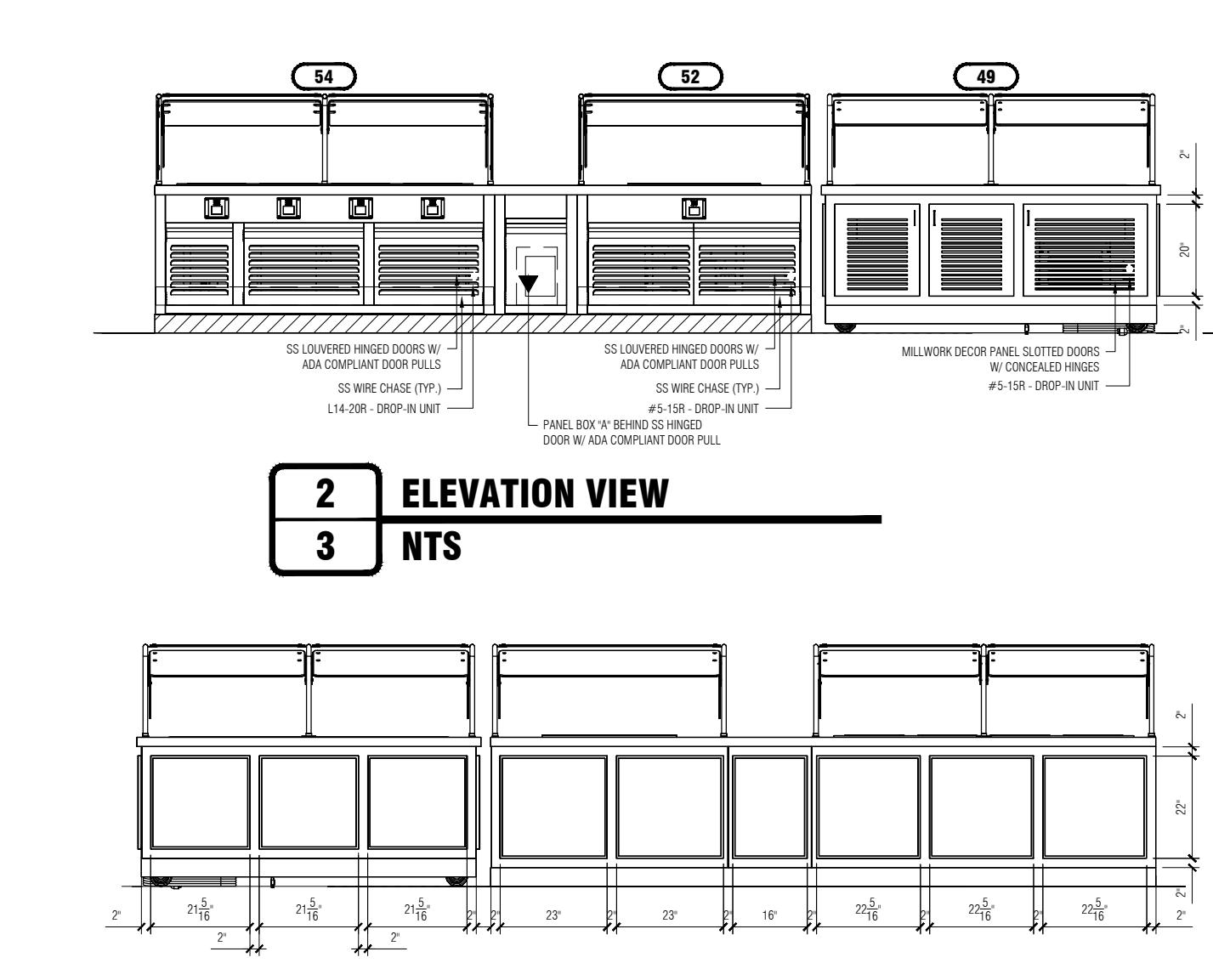
DUKE EQUIPMENT									
Item Tag	Quantity	Model Number	Description	Width	Depth	Height	Weight	NEMA #	Cont. Length
47	1	TST-74SS	SOLID TOP UNIT ** SPECIAL LENGTH **	-	-	-	-	NEMA#	6'
48	1	ADJ-6MD-N7	4-SECTION NSF-7 COLD PAN DROP-IN UNIT 10" MECHANICALLY COOLED W/ ADJ-STF 300 MM. IN DEG. EDGES ** NO DRAIN **	120	813.6	6.78	-	NEMA#	6'
49	1	TS422-74	CONTEMPORARY FOOD SHIELD FULL-SERVICE TO SELF-SERVICE ** SPECIAL LENGTH ** ** BACK TO BACK ASSY. FOR DUAL SIDED SERVICE **	-	-	-	-	NEMA#	6'
50.1	1	TST-74SS	SOLID TOP UNIT	-	-	-	-	NEMA#	6'
50.2	1	TST-18SS	SOLID TOP UNIT	-	-	-	-	NEMA#	6'
50.3	1	TST-60SS	SOLID TOP UNIT ** SPECIAL LENGTH **	-	-	-	-	NEMA#	6'
51	1	RHF1-SL	DROP-IN HOT FROST - SLIM LINE	120	1	696	5.8	NEMA#	6'
52	1	TS422-60	CONTEMPORARY FOOD SHIELD FULL-SERVICE TO SELF-SERVICE ** SPECIAL LENGTH **	-	-	-	-	NEMA#	6'
53	1	HCF-4	HOT/COLD/FREEZE DROP-IN UNIT ** NO DRAINS **	120/208	1	-	16.0	NEMA#	6'
54	1	TS422-74	CONTEMPORARY FOOD SHIELD FULL-SERVICE TO SELF-SERVICE	-	-	-	-	NEMA#	6'
57	1	TST-48SS	SOLID TOP UNIT ** OPEN BASE ** ** SPECIAL LENGTH & WIDTH **	120	1	1800	15.0	NEMA#	6'

BUY-OUT EQUIPMENT									
Item Tag	Quantity	Model Number	Description	Width	Depth	Height	Weight	NEMA#	Cont. Length
58	1	#HP-121	CASH DRAWER	-	-	-	-	NEMA#	6'

3 GENERAL NOTES

5 SYMBOL LEGEND

6 PLAN VIEW + SCHEDULE EQUIPMENT SERVERY



7 ELEVATION + SECTION SERVERY EQUIPMENT
FOR REFERENCE ONLY

PROJECT No. : 1-34-32
 6/27/2024 1:47 PM

DATE	DESCRIPTION	REVISION No.	DATE	DESCRIPTION

RUHNAUCLARKE.COM

KITCHEN UPGRADES
 MADISON ELEMENTARY SCHOOL
 5241 HARRISON STREET, NORTH HIGHLANDS, CA 95660
 TWIN RIVERS UNIFIED SCHOOL DISTRICT

**FOODSERVICE EQUIP.
 SERVERY EQUIPMENT**

FS.11.0

KITCHEN UPGRADES: