

ACCESSIBILITY COMPLIANCE

THE BUILDING HAS BEEN SURVEYED CUMULATIVELY BY NUMEROUS CONSULTANTS FOR COMPLIANCE. WITH REQUIRED ACCESSIBILITY FEATURES PER THE 2022 CALIFORNIA BUILDING CODE. IF REQUIRED, THE PROPOSED ALTERATION WORK WILL INCLUDE THE UPGRADES REQUIRED TO PROVIDE COMPLIANCE WITH ACCESSIBILITY FEATURES SERVING THE AREA OF WORK AS DESCRIBED IN 2022 CBC SEC. 11B-202.

TO THE BEST OF MY KNOWLEDGE, I ACKNOWLEDGE THE FOLLOWING SCOPE OF REQUIRED UPDATES:

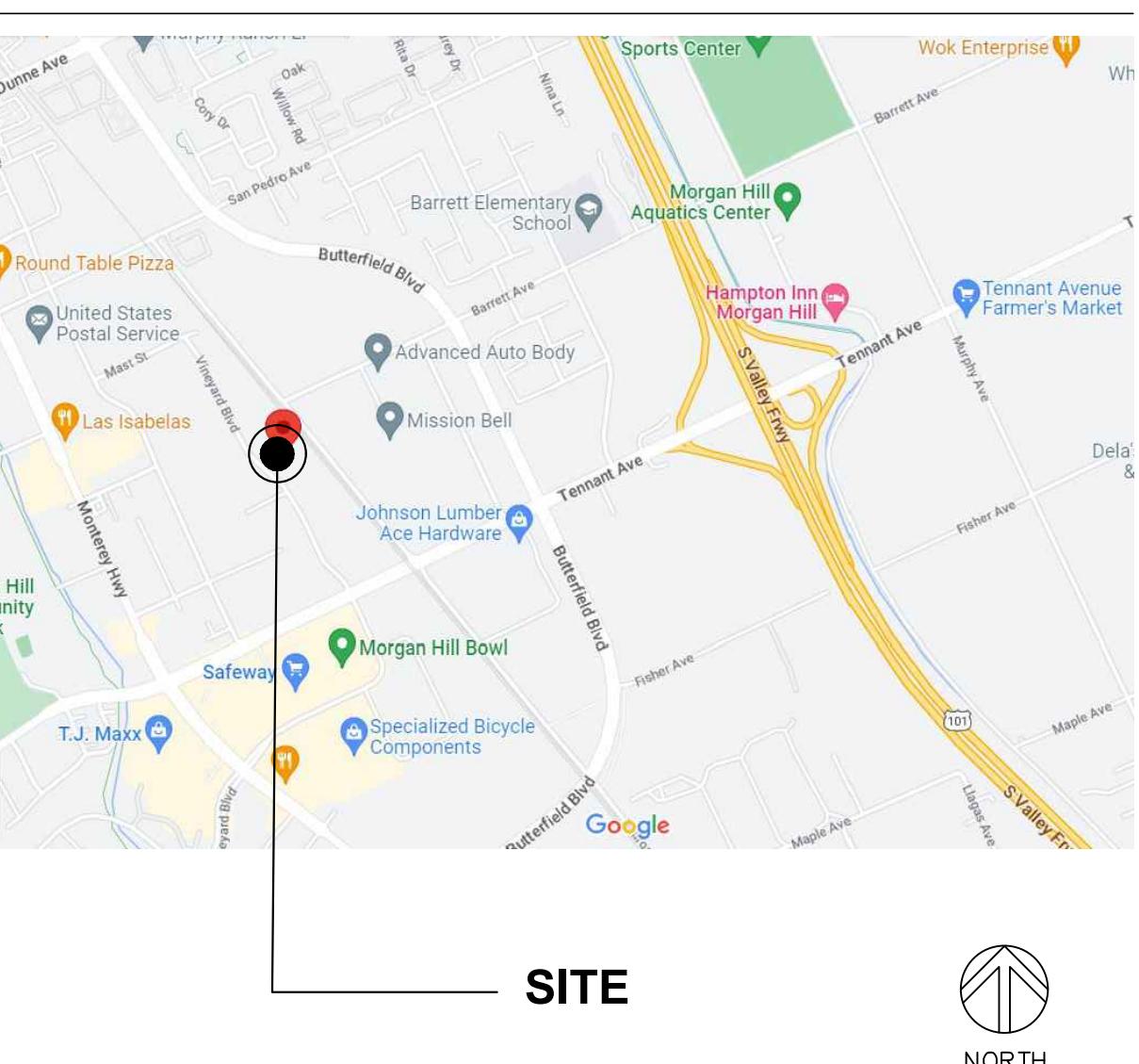
THE EXISTING REQUIRED ACCESSIBILITY FEATURES SERVING THE AREA OF WORK ARE IN COMPLIANCE WITH THE 2022 CBC.

UPGRADES TO THE EXISTING CONDITIONS ARE BEING PROPOSED TO PROVIDE COMPLIANCE WITH REQUIRED ACCESSIBILITY FEATURES SERVING THE AREA OF WORK IN CONFORMANCE WITH 2022 CBC.

THE FEASIBILITY OF THE PROPOSED WORK WILL BE SEVERELY IMPACTED IF FULL ACCESSIBILITY COMPLIANCE IS PROVIDED. NOT ALL ACCESS FEATURES WILL BE PROVIDED WITH THE PROPOSED SCOPE OF WORK. THIS IS AN UNREASONABLE HARDSHIP DETERMINATION MUST BE GRANTED. UPGRADES WILL BE PROVIDED FOR ALL FEATURES NOT EXCEPTED IN THE APPROVED HARDSHIP APPLICATION.

SIGNATURE  DATE 10/06/2023
I AM: X_PROJECT DESIGNER, _BUSINESS OWNER, _OTHER_X_CASp 984 - EXP 8/24

LOCATION MAP



SITE

PROJECT DATA

THE GENERAL CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS IN ACCORDANCE WITH ALL LOCAL, STATE & FEDERAL CODES. ALL CONSTRUCTION SHALL CONFORM TO THE FOLLOWING:

2022 CALIFORNIA BUILDING CODE (2022 CBC) & APPENDICES (EFFECTIVE DATE 01/01/2023)
2022 CALIFORNIA FIRE CODE (EFFECTIVE DATE 01/01/2023)
2022 CALIFORNIA ELECTRICAL CODE (EFFECTIVE DATE 01/01/2023)
2022 CALIFORNIA MECHANICAL CODE (EFFECTIVE DATE 01/01/2023)
2022 CALIFORNIA ENERGY CODE (EFFECTIVE DATE 01/01/2023)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (EFFECTIVE DATE 01/01/2023)
2022 CALIFORNIA EXISTING BUILDING CODE (EFFECTIVE DATE 01/01/2023)

ACCESSION PARCEL NUMBER: 817-05-082
CONSTRUCTION TYPE: V-B
NO. OF STORIES: 1
OCCUPANCY GROUP: B 25,490

ACCESSORY OCCUPANCY (AREA N.I.C.): I-3 DETENTION(2HR SEP.) 2,369 SF
S2-GARAGE (1HR. SEP.) 11,934 SF
S1 3,493 SF

TOTAL BUILDING AREA: 43,286 S.F.
TENANT AREA: 25,490 S.F.
AREA OF WORK: 6,080 S.F.

LIFE SAFETY SYSTEM:

FIRE SPRINKLERED: EXISTING
CENTRAL MONITORED: EXISTING
FIRE HORNS & STROBES EXISTING
FIRE MANUAL PULL STATION @ LOBBY EXISTING

SCOPE OF WORK

SCOPE SUMMARY:
THE PURPOSE OF THE PROJECT IS TO EXPAND THE EXISTING POLICE DEPARTMENT INTO THE ADJACENT SUITE 100 AT 162000 VINEYARD BLVD. IN MORGAN HILL, CA. THE PROJECT SCOPE WILL INCLUDE MINOR DEMOLITION OF NON-STRUCTURAL WALLS TO PROVIDE ACCESS TO THE NEW OFFICE AREA. ELECTRICAL WORK SHALL INCLUDE ADDING SUITE 100 AND 150 TO THE EXISTING BACK UP GENERATOR (TRANSFERS 480 FEEDER TO DISTRIBUTION PANEL). ADDITION/RELLOCATION OF CONVENIENCE OUTLETS AND REPLACEMENT OF (3) 2X4 FIXTURES WITH (4) 2X2 FIXTURES IN EXPANDED WORK AREA. ALL OTHER LIGHTING TO REMAIN.

THERE WILL BE:

- NO CHANGE OF BUILDING USE
- NO CHANGE TO EXISTING PARKING LAYOUT
- NO CHANGE TO EXISTING LANDSCAPING
- NO CHANGE TO EXISTING EXTERIOR SIGNAGE
- NO CHANGE TO EXISTING BUILDING EXTERIOR
- NO NEW ROOFTOP UNITS
- NEW SITE IMPROVEMENTS FOR DISABLED ACCESS COMPLIANCE
- SELECTED DEMOLITION OF (E) NON-LOAD BEARING WALLS
- NEW NON-LOAD BEARING, NON-RATED WALLS
- NO CHANGE TO EXISTING LIGHTING
- MODIFICATION EXISTING ELECTRICAL EMERGENCY POWER
- MINOR MODIFICATION TO EXISTING HVAC SUPPLY AND RETURN GRILLES AS REQUIRED FOR NEW LAYOUT
- NO ROOF-MOUNTED MECHANICAL UNITS

ACCESSIBILITY COMPLIANCE FOR "PATH OF TRAVEL" ELEMENTS SHALL BE LIMITED TO UPDATING SITE AND INTERIOR SIGNAGE AND MODIFYING THE ACCESSIBLE ROUTE FROM THE PUBLIC WAY TO THE BUILDING ENTRANCE WHICH EXCEEDS 20% OF THE TOTAL COST OF THE PROJECT. ALL OTHER NON COMPLIANCE ITEMS SHALL BE IDENTIFIED AND FORWARDED TO THE CITY OF MORGAN HILL FOR INCLUSION IN THE TITLE II ENTITY BARRIER REMOVAL PLAN.



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MORGAN HILL POLICE DEPARTMENT EXPANSION

ABBREVIATIONS

(E)	EXISTING	FIN.	FINISH	P.V.	PHOTO VOLTAIC
(N)	NEW	FLR.	FLUORESCENT	R.C.P.	REFLECTED CEILING PLAN
(R)	RELOCATE/RELOCATED	FLOOR.	FOOT OR FEET	R.O.	ROUGH OPENING
A.	AMPS	FT.	FOOTING	RD.	RADIUS
A.B.	ANCHOR BOLT	FTG.	FURRING	REF.	REFERENCE
A/C	AIR CONDITIONING	FUR.	GAUGE	REFL.	REFLECTED
A.C.	ASPHALTIC CONCRETE	G.A.	GRAB BAR	REFL.	REFLECTOR
A.D.F.	ABOUT THE 4TH FLOOR	G.B.	GENERAL CONTRACTOR	REFIN.	REFINERATOR
ACCESS.	ACCESSIBLE	GALV.	GALVANIZED	REQ.	REQUIRED
ACOUS.	ACOUSTICAL	G.L.B.	GLUE LAMINATED BEAM	RES.	RESILIENT
ADJ.	ADJUSTABLE	GFI	GROUND FAULT INTERRUPT	RET.	RETAINING
AGGR.	AGGREGATE	G.L.	GLASS	REV.	REVISION
ALL.	ALUMINUM	GND.	GROUND	RM.	ROOM
ALT.	ALTERNATE	GYP.	GYPSUM	S.C.	SOLID CORE
ANC.	ANCHOR	GYPS.	GYPSUM	S.D.	SOLID DENSITY
APPROX.	APPROXIMATE	HB.	HOSE BIBB	SAN.	SANITARY
ARCH.	ARCHITECTURAL	H.C.	HOLLOW CORE	SAN.R.	SANITARY PUMP RECEP.
AUTO.	AUTOMATIC	HM.	HOLLOW METAL	S.G.	SLAB-ON-GRADE
ABV.	ABOVE	H.V.A.C.	HEATING, VENTILATING	SMS.	STAINLESS STEEL
BD.	BOARD		AIR CONDITIONING	SMS.	SHEET METAL SCREWS
BTWN.	BETWEEN	HDW.	HARDWARE	SQ.	SQUARE YARD
BT.	BITUMINOUS	HDW.	HARDWARE	SAN.	SANITARY
BLDG.	BUILDING	HORNZ.	HORIZONTAL	SCHED.	SCHEDULE
BLKG.	BLOCKING	HR.	HOUR	SECT.	SECTION
BM.	BEAM	HT.	HEIGHT	SHT.	SHEET
BOT.	BOTTOM	I.D.	INSIDE DIAMETER	SHT.G.	SHEETING
C.B.	CATCH BASIN	HT.	HEATER	SIM.	SIMILAR
C.I.	CAST IRON	IN.	INCH	SPAC.	SPACING
C.I.P.	CAST IN PLACE	INCL.	INCLUDE	SPEC(S)	SPECIFICATION(S)
C.J.	CONTROL JOINT	INS.	INSULATION	SQ.	SQUARE
CAB.	CABINET	INT.	INTERIOR	STD.	STANDARD
CEN.	CENTER	INV.	INVERTER	STL.	STILE
CFR.	CERAMIC	JAN.	JANITOR	STL.	STONESTONE TILE
CLG.	CEILING	L.P.	LOW POINT	STOR.	STORAGE
CLR.	CLEAR	LAV.	LAVATORY	STRUCT.	STRUCTURAL
COL.	COLLAR	LOC.	LOCATION	SUSP.	SUSPENDED
CONC.	CONCRETE	LT.	LIGHT	SYS.	SYMMETRICAL
CONSTR.	CONSTRUCTION	LG.	LIGHT GAUGE	SYSTEM	SYSTEM
CONT.	CONTINUOUS	LMNS.	LUMENS	TOP	TOP
COORD.	COORDINATE	LVT.	LUXURY VINYL TILE/PLANK	T&B	TOP AND BOTTOM
CTR.	CENTRE	M.	MATERIAL	TOP C.	TOP CURVE
OL.	CENTER LINE	MACH.	MACHINE	T&G.	TONGUE & GROOVE
CTSK.	COUNTERSUNK	MATL.	MATERIAL	T.O.G.	TOP OF GRADE
DBL.	DOUBLE	MAX.	MAXIMUM	T.O.S.	TOP OF SHEATHING
DEMOL.	DEMOLISH	MECH.	MECHANICAL	T.O.W.	TOP OF WALL
DET.	DETAIL	MEMB.	MEMBRANE	TOP P.	TOP OF PAVEMENT
DIA.	DIAMETER	MEZZ.	MEZZANINE	T.P.	TOILET PAPER
DIAG.	DIAGONAL	MFG.R.	MANUFACTURER	T.P.D.	TP DISPENSER
DIM.	DIMENSION	MIN.	MINIMUM	T.V.	TOILET SEAT COVER DISP.
DISP.	DISPENSER	MISC.	MISCELLANEOUS	TEL.	TELEPHONE
DN.	DOWN	MTD.	MOUNTED	TEMP.	TEMPERED
DWG(S)	DRAWING(S)	MTL.	METAL	TZ.	TERRAZZO
(E)	EXISTING	NOT IN CONTRACT	NOT IN CONTRACT	THK.	THICKNESS
EA.	EA.	NOT IN CONTRACT	NOT IN CONTRACT	TOP.	TOPPING
E.S.	EACH SIDE	NO.	NUMBER	TOP.O.	TOP OUTLINE
E.W.	EACH WAY	NO.	NOMINAL	UR.	URINAL
ELEV.	ELEVATION	O/	OVER	V.	VOLTS
ELEC.	ELECTRICAL	O.C.	ON CENTER	V.I.F.	VERIFY IN FIELD
E.P.	ELD. & EEL.	O.D.	OUTSIDE DIAMETER	V.R.	VENT THROUGH ROOF
EVT.R.	ELEVATOR	O.F.C.I.	OWNER FURNISH	VERT.	VERTICAL
EMER.	EMERGENCY	OWNER FURNISH	CONTRACTOR INSTALL	VEST.	VESTIBULE
ENCL.	ENCLOSURE	O.D.	OVERHEAD	WATTS	WATTS
ENG.	ENGINEER	OPN.	OPEN	WITH	WITH
EQ.	EQUIPMENT	OPPP.	OPPOSITE	W.W.A.	WEDGE ANCHOR
EQUIP.	ETCETERA	PLAM.	PLASTIC LAMINATE	WATER CLOSET	WATER CLOSET
EXP.	EXPANSION	PVC.	POLYVINYL CHLORIDE	W.O.	WITHOUT
EXT.	EXTENSION	PERF.	PERFORATED	W.P.	WATERPROOF
F.A.	FIRE ALARM	PLAS.	PLASTER	WOOD	WOOD
F.D.	FLOOR DRAIN	PLBG.	PLUMBING	WWD.	WOOD FLOORING
F.E.	FIRE EXTINGUISHER	PLYWD.	PLYWOOD	WWSCT.	WINDOW
F.O.C.	FACE OF CONCRETE	PR.	PAIR	WT.	WAINSCOT
F.O.P.	FACE OF PITCH	PREFAB.	PREFABRICATED	S.F.	WEIGHT
F.O.S.	FACE OF STUD	PROJ.	PROJECTION		SQUARE FOOT/FEET
FTDN.	FOUNDATION	PT.	POINT		

GENERAL NOTES:

1. DETAILS SHALL TAKE PRIORITY OVER GENERAL FLOOR PLANS.
2. DIMENSIONS INDICATED IN CONTRACT DOCUMENTS SHALL GOVERN. DO NOT SCALE DRAWINGS.
3. THE USE OF THE WORD "PROVIDE" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED, AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE.
4. GENERAL NOTES, SPECIFIC NOTES AND SPECIFICATIONS APPEARING ON OTHER SHEETS ARE APPLICABLE TO ALL CONDITIONS.

DISCLAIMER:

ARTFUL ENVIRONMENT, LLC HAS PREPARED THESE DOCUMENTS ONLY FOR THE IMPROVEMENTS AND CONSTRUCTION NOTED, INDICATED OR SHOWN AS "NEW" WORK, AND ASSUMES NO RESPONSIBILITY FOR ALL OTHER CONDITIONS, WHETHER EXISTING OR EQUALLY EQUIVALENT, WHETHER INDICATED AS NEW OR AS "EXISTING" OR AS PROVIDED BY OTHERS. UNLESS OTHERWISE INDICATED OR NOTED ON THESE DOCUMENTS, ARTFUL ENVIRONMENT HAS NEITHER CHECKED NOR VERIFIED THE STRUCTURAL INTEGRITY, QUALITY OF CONSTRUCTION, ACCESSIBILITY TO, EGRESS FROM, OR DESIGN OF THE EXISTING CONSTRUCTION, OR ANY OTHER WORK NOT INCLUDED AS PART OF THE IMPROVEMENTS. ARTFUL ENVIRONMENT, LLC HAS NOT BEEN INVOLVED IN THE PREPARATION OF THESE DOCUMENTS. THE REPRESENTATIONS OF EXISTING CONDITIONS ARE MADE WITH THE BEST KNOWLEDGE AVAILABLE AND ARE TO BE VERIFIED BY THE GENERAL CONTRACTOR WHEN IN QUESTION.

ARTFUL ENVIRONMENT, LLC'S SURVEY OF EXISTING ACCESSIBILITY CONDITIONS HAS BEEN PERFORMED FOR THE RELATIVE DEGREE OF COMPLIANCE ONLY, AS STIPULATED BELOW FOR THE REFERENCED PROJECT. PRE-EXISTING WORK WHERE ARTFUL ENVIRONMENT, LLC IS NOT THE ARCHITECT OR OWNER, ARTFUL ENVIRONMENT, LLC SHALL NOT BE HELD RESPONSIBLE FOR ANY RELATIONSHIP TO EXISTING ACCESSIBILITY REQUIREMENTS, AND NOT BE SUBJECT TO PROSECUTION FOR ELEMENTS WHICH ARE BELIEVED BY US OR OTHERS TO BE NON-COMPLIANT. OUR SURVEY AND STATEMENTS OF COMPLIANCE IN NO WAY ABSOLVES THE ARCHITECT OR RECORD OF THE REQUIREMENTS AND OTHER PROFESSIONAL LIABILITY IMPLIED THEREIN FOR THE WORK IN PLACE. NOR DOES THIS STATEMENT IN ANY WAY IMPLY THAT ANY ELEMENT IN FACT COMPLIES WITH THE INTERPRETATIONS OF ACCESSIBILITY REQUIREMENTS BY ANY AND ALL REVIEWING PARTIES OR AGENCIES.

THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIRES REMOVAL OF ARCHITECTURAL BARRIERS IN EXISTING FACILITIES WHERE SUCH REMOVAL IS READILY ACHIEVABLE. THE DEFINITION OF "READILY ACHIEVABLE" CONTAINED IN THE ADA IS FLEXIBLE AND SUBJECT TO INTERPRETATION ON A CASE-BY-CASE BASIS. THE ADA FURTHER PROVIDES THAT ALTERATIONS TO A FACILITY MUST BE MADE IN SUCH A MANNER THAT, TO THE MAXIMUM EXTENT PRACTICABLE, ALLOWS INDIVIDUALS WITH DISABILITIES TO BE READILY ACCESSIBLE TO AND BY INDIVIDUALS WITH DISABILITIES. ARTFUL ENVIRONMENT, LLC HAS USED ITS BEST PROFESSIONAL JUDGMENT TO INTERPRET APPLICABLE ADA REQUIREMENTS AND OTHER FEDERAL, STATE AND LOCAL ACCESSIBILITY RULES, CODE ORDINANCES AND REGULATIONS AS THEY APPLY TO THE PROJECT. THE PROJECT, HOWEVER, IS NOT REQUIRED TO BE READILY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES. ARTFUL ENVIRONMENT, LLC, CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT THE PROJECT WILL COMPLY WITH ALL INTERPRETATIONS OF THE ADA REQUIREMENTS AND/OR THE REQUIREMENTS OF OTHER FEDERAL, STATE AND LOCAL LAW, RULES, CODES, ORDINANCES AND REGULATIONS AS THEY APPLY TO THE PROJECT. IN ADDITION, THE PROJECT IS NOT REQUIRED TO BE READILY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES. ARTFUL ENVIRONMENT, LLC, IS NOT TO BE HELD LIABLE FOR ACTIONS OR EVENTS THAT TRANSPARE AS A RESULT OF THE CHANGES IN USE OR OCCUPANT LOAD.

FIRE PROTECTION NOTES

1. FIRE PROTECTION SYSTEM IS EXISTING AS SUITES 101 & 150 HAVE BEEN ADDED TO EXISTING FIRE PROTECTION SYSTEM AND IS CENTRALLY MONITORED. ANY UNFORESEEN CHANGES SHALL BE DESIGNED AND BUILT IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.
2. PROVIDE (1) 2A-10B.C FIRE EXTINGUISHER PER 1,500 S.F. IN AREA (ORD. HZD.), 3,000 S.F. IN AREA (LT. HZD.), 75 FEET OF MAXIMUM TRAVEL DISTANCE TO EXTINGUISHERS.
3. IF REQUIRED: FIRE SPRINKLER SYSTEM SHALL BE REVISED IN ACCORDANCE WITH NFPA 13 (2022) AND FIRE DEPARTMENT REQUIREMENTS AND SUBMITTED TO THE FIRE



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2022 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)



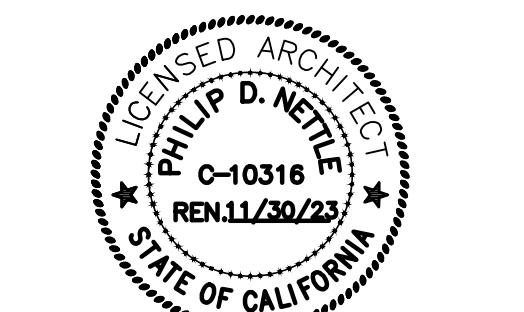
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CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL		5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND.		5.106.3.3 Use of automatic load management systems (ALMS).		5.106.5.3.3 Use of automatic load management systems (ALMS).		5.106.5.4 Electric Vehicles (EV) charging: medium-duty and heavy-duty.			
Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY	Y	N/A	RESPON. PARTY
301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the applicable checklists contained in this code. Voluntary green building measures shall also be included in the applicable checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.		5.106.2.1 Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development or sale.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.3.3.1 ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Table 5.106.3.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.		5.106.5.3.3.1 EVCS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Table 5.106.5.3.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.		5.106.5.4.1 Accessible EVCS.	
301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.		5.106.2.2 The NPDES permit requirements for runoff generation hydrology, location, and reduction runoff (primarily associated with the installation of post-construction stormwater management measures). The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through structural controls, such as Low Impact Development (LID) practices, and conservation design measures. Stormwater volume that cannot be addressed using structural practices is required to be captured in structural permits and be approved by the enforcing agency.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.3.3.2 EVCS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Table 5.106.3.3.2 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.		5.106.5.3.3.2 EVCS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Table 5.106.5.3.3.2 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.		5.106.5.4.2 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores with planned off-street loading spaces.	
301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:		5.106.3.3.3 EVCS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Table 5.106.3.3.3 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.3.4 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores with planned off-street loading spaces.		5.106.5.3.4 EVCS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Table 5.106.5.3.4 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.		5.106.5.4.3 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores with planned off-street loading spaces.	
301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.		5.106.3.5 Electric vehicle (EV) charging: medium-duty and heavy-duty.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.3.6 Electric vehicle (EV) charging: medium-duty and heavy-duty.		5.106.5.4.4 Electric vehicle (EV) charging: medium-duty and heavy-duty.		5.106.5.4.5 Electric vehicle (EV) charging: medium-duty and heavy-duty.	
301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GSBC)		5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.4.1.1 Short-term bicycle parking.		5.106.4.1.2 Short-term bicycle parking.		5.106.4.1.3 Short-term bicycle parking.	
SECTION 302 MIXED OCCUPANCY BUILDINGS		5.106.4.1.1.1 If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.4.1.1.2 If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.		5.106.4.1.3.1 If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.		5.106.4.1.3.2 If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.	
302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.		5.106.4.1.2.1 Short-term bicycle parking.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.4.1.2.2 Short-term bicycle parking.		5.106.4.1.3.3 Short-term bicycle parking.		5.106.4.1.3.4 Short-term bicycle parking.	
SECTION 303 PHASED PROJECTS		5.106.4.1.3.5 Short-term bicycle parking.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.4.1.3.6 Short-term bicycle parking.		5.106.4.1.3.7 Short-term bicycle parking.		5.106.4.1.3.8 Short-term bicycle parking.	
303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to building components and systems considered to be new construction (or newly constructed) shall apply.		5.106.4.1.3.9 Short-term bicycle parking.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.4.1.3.10 Short-term bicycle parking.		5.106.4.1.3.11 Short-term bicycle parking.		5.106.4.1.3.12 Short-term bicycle parking.	
303.1.1 Initial Tenant Improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 303.1.3 non-residential additions and alterations.		5.106.4.1.3.13 Short-term bicycle parking.		Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board for projects located in the Lahontan Ecological Unit.		5.106.4.1.3.14 Short-term bicycle parking.		5.106.4.1.3.15 Short-term bicycle parking.		5.106.4.1.3.16 Short-term bicycle parking.	
ABBREVIATION DEFINITIONS:		5.106.4.1.3.17 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.18 Short-term bicycle parking.		5.106.4.1.3.19 Short-term bicycle parking.		5.106.4.1.3.20 Short-term bicycle parking.	
HCD Department of Community Development		5.106.4.1.3.21 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.22 Short-term bicycle parking.		5.106.4.1.3.23 Short-term bicycle parking.		5.106.4.1.3.24 Short-term bicycle parking.	
CABCS California Building Standards Commission		5.106.4.1.3.25 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.26 Short-term bicycle parking.		5.106.4.1.3.27 Short-term bicycle parking.		5.106.4.1.3.28 Short-term bicycle parking.	
DS-SS Division of the State Architect, Structural Safety		5.106.4.1.3.29 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.30 Short-term bicycle parking.		5.106.4.1.3.31 Short-term bicycle parking.		5.106.4.1.3.32 Short-term bicycle parking.	
OSHPD Office of Statewide Health Planning and Development		5.106.4.1.3.33 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.34 Short-term bicycle parking.		5.106.4.1.3.35 Short-term bicycle parking.		5.106.4.1.3.36 Short-term bicycle parking.	
LR Low Rise		5.106.4.1.3.37 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.38 Short-term bicycle parking.		5.106.4.1.3.39 Short-term bicycle parking.		5.106.4.1.3.40 Short-term bicycle parking.	
HRR High Rise		5.106.4.1.3.41 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.42 Short-term bicycle parking.		5.106.4.1.3.43 Short-term bicycle parking.		5.106.4.1.3.44 Short-term bicycle parking.	
AA Additions and Alterations		5.106.4.1.3.45 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.46 Short-term bicycle parking.		5.106.4.1.3.47 Short-term bicycle parking.		5.106.4.1.3.48 Short-term bicycle parking.	
N New		5.106.4.1.3.49 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.50 Short-term bicycle parking.		5.106.4.1.3.51 Short-term bicycle parking.		5.106.4.1.3.52 Short-term bicycle parking.	
CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES		5.106.4.1.3.53 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.54 Short-term bicycle parking.		5.106.4.1.3.55 Short-term bicycle parking.		5.106.4.1.3.56 Short-term bicycle parking.	
DIVISION 5.1 PLANNING AND DESIGN		5.106.4.1.3.57 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.58 Short-term bicycle parking.		5.106.4.1.3.59 Short-term bicycle parking.		5.106.4.1.3.60 Short-term bicycle parking.	
SECTION 5.101 GENERAL		5.106.4.1.3.61 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.62 Short-term bicycle parking.		5.106.4.1.3.63 Short-term bicycle parking.		5.106.4.1.3.64 Short-term bicycle parking.	
5.106.1 SCOPE		5.106.4.1.3.65 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.66 Short-term bicycle parking.		5.106.4.1.3.67 Short-term bicycle parking.		5.106.4.1.3.68 Short-term bicycle parking.	
SECTION 5.102 DEFINITIONS		5.106.4.1.3.69 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.70 Short-term bicycle parking.		5.106.4.1.3.71 Short-term bicycle parking.		5.106.4.1.3.72 Short-term bicycle parking.	
5.106.1.1 Definitions. The following terms are defined in Chapter 2 (and are included here for reference)		5.106.4.1.3.73 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.74 Short-term bicycle parking.		5.106.4.1.3.75 Short-term bicycle parking.		5.106.4.1.3.76 Short-term bicycle parking.	
5.106.1.2 Shade Trees (DS-SS). Shade trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentage of shade shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.		5.106.4.1.3.77 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.78 Short-term bicycle parking.		5.106.4.1.3.79 Short-term bicycle parking.		5.106.4.1.3.80 Short-term bicycle parking.	
5.106.1.3 Nonresidential Electric Vehicle (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.		5.106.4.1.3.81 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.82 Short-term bicycle parking.		5.106.4.1.3.83 Short-term bicycle parking.		5.106.4.1.3.84 Short-term bicycle parking.	
5.106.1.4 Low-Emitting and Fuel-Efficient Vehicles. Eligible vehicles are limited to the following:		5.106.4.1.3.85 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.86 Short-term bicycle parking.		5.106.4.1.3.87 Short-term bicycle parking.		5.106.4.1.3.88 Short-term bicycle parking.	
5.106.1.5 Off-Road Vehicles (ORV). Enhanced Advanced Technology (ZEV) or transitional zero-emission vehicles (TZEV) required under CCR, Title 13, Section 1982.		5.106.4.1.3.89 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.90 Short-term bicycle parking.		5.106.4.1.3.91 Short-term bicycle parking.		5.106.4.1.3.92 Short-term bicycle parking.	
5.106.1.6 High-Efficiency Vehicles. Vehicles, regulated by U.S. EPA, bearing a fuel economy and greenhouse gas rating of 9 or less as required under 40 CFR Section 600 Subpart D.		5.106.4.1.3.93 Short-term bicycle parking.		Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.		5.106.4.1.3.94 Short-term bicycle parking.		5.106.4.1.3.95 Short-term bicycle parking.		5.106.4.1.3.96 Short-term bicycle parking.	
5.106.1.7 Neighborhood Electric Vehicle (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.		5.106.4.1.3.9									



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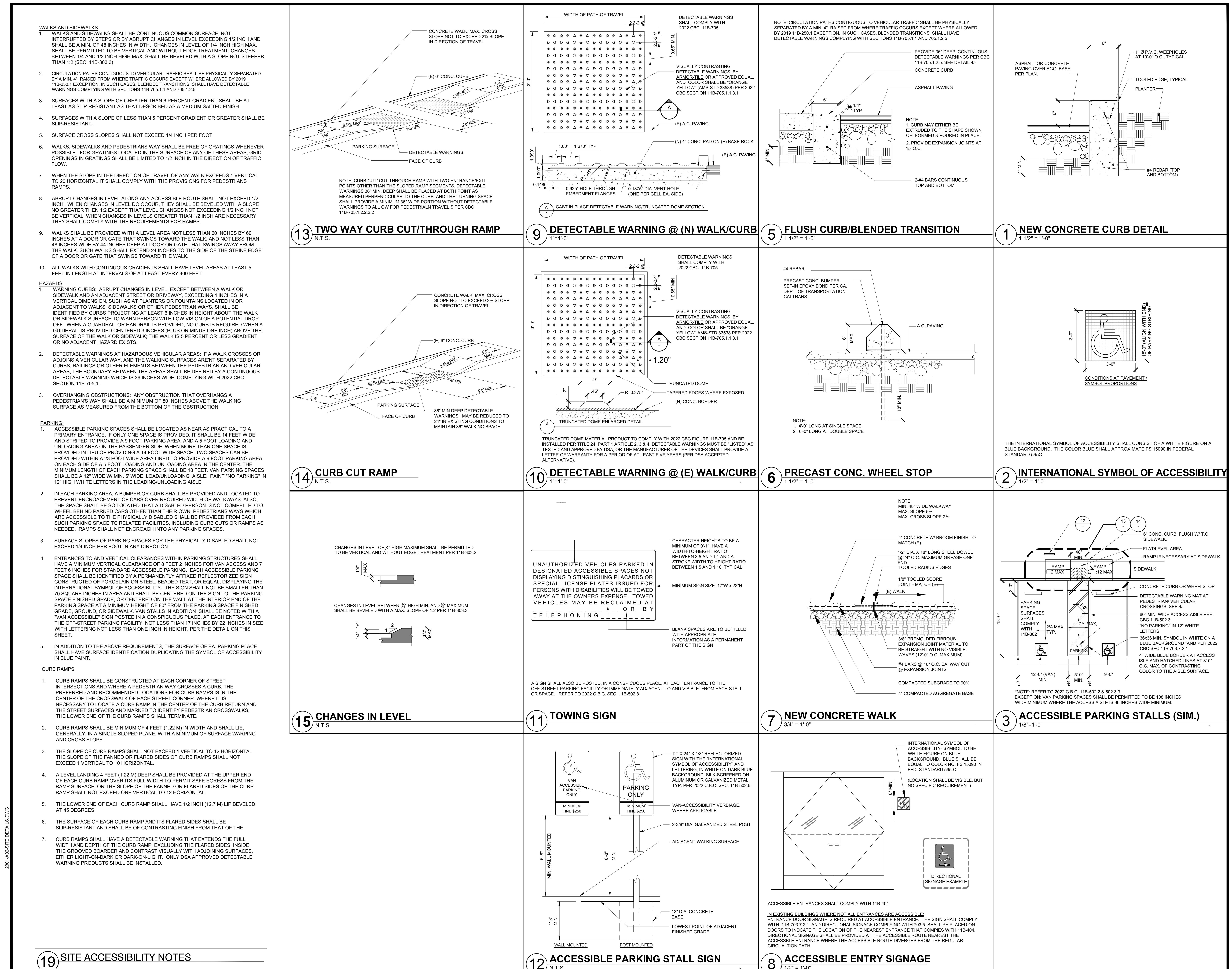
10/06/2023 SUBMIT FOR PLAN CHECK

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

Y	N/A	RESPON.	PARTY	Y	N/A	RESPON.	PARTY						
5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.													
5.504.4.1 Adhesives, sealants and caulk. Adhesives, sealants, and caulk used on the project shall meet the requirements of the following standards:													
1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulk shall comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350).													
2. Adhesive sealants under 1/4 oz. of adhesive, and sealant or caulk compounds (in units of fluid ounces), which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.													
TABLE 5.504.4.1 - ADHESIVE VOC LIMIT_{1,2}													
Less Water and Less Exempt Compounds in Grams per Liter													
ARCHITECTURAL APPLICATIONS		CURRENT VOC LIMIT											
INDOOR CARPET ADHESIVES		50											
CARPET PAD ADHESIVES		50											
OUTDOOR CARPET ADHESIVES		150											
WOOD FLOORING ADHESIVES		100											
RUBBER FLOOR ADHESIVES		60											
SUBFLOOR ADHESIVES		50											
CERAMIC TILE ADHESIVES		65											
VCT & ASPHALT TILE ADHESIVES		50											
DRYWALL & PANEL ADHESIVES		50											
COVE BASE ADHESIVES		50											
MULTIPURPOSE CONSTRUCTION ADHESIVES		70											
STRUCTURAL GLAZING ADHESIVES		100											
SINGLE-PLY ROOF MEMBRANE ADHESIVES		250											
OTHER ADHESIVES NOT SPECIFICALLY LISTED		50											
SPECIALTY APPLICATIONS													
PVC WELDING		510											
CPVC WELDING		490											
ABS WELDING		325											
PLASTIC CEMENT WELDING		250											
ADHESIVE PRIMER FOR PLASTIC		550											
CONTACT ADHESIVE		80											
SPECIAL PURPOSE CONTACT ADHESIVE		250											
STRUCTURAL WOOD MEMBER ADHESIVE		140											
TOP & TRIM ADHESIVE		250											
SUBSTRATE SPECIFIC APPLICATIONS													
METAL TO METAL		30											
PLASTIC FOAMS		50											
POROUS MATERIAL (EXCEPT WOOD)		50											
WOOD		30											
FIBERGLASS		80											
1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.													
2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF													
TABLE 5.504.4.2 - SEALANT VOC LIMIT													
Less Water and Less Exempt Compounds in Grams per Liter													
SEALANTS		CURRENT VOC LIMIT											
ARCHITECTURAL		250											
MARINE DECK		760											
NONMEMBRANE ROOF		300											
ROADWAY		250											
SINGLE-PLY ROOF MEMBRANE		450											
OTHER		420											
SEALANT PRIMERS													
ARCHITECTURAL		250											
NONPOROUS		250											
POROUS		775											
MODIFIED BITUMINOUS		500											
MARINE DECK		760											
OTHER		750											
NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.													
5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local laws apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Specialty Gloss coating based on its gloss, as defined. Subsections 4.2.1, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.													
5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PVMIR Limits for VOC in Section 9452(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone-depleting substances, in Sections 9452(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 9452, and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.													
5.504.4.3.2 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local laws apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Specialty Gloss coating based on its gloss, as defined. Subsections 4.2.1, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.													
5.504.4.3.3 Coatings. Coatings shall comply with VOC limits in Table 5.504.4.3, unless more stringent local laws apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Non													

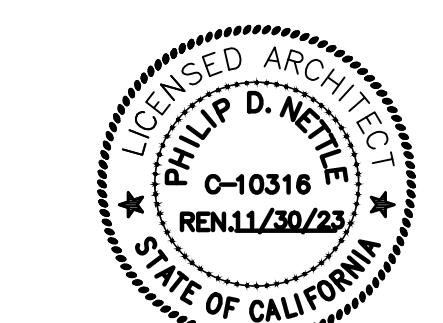


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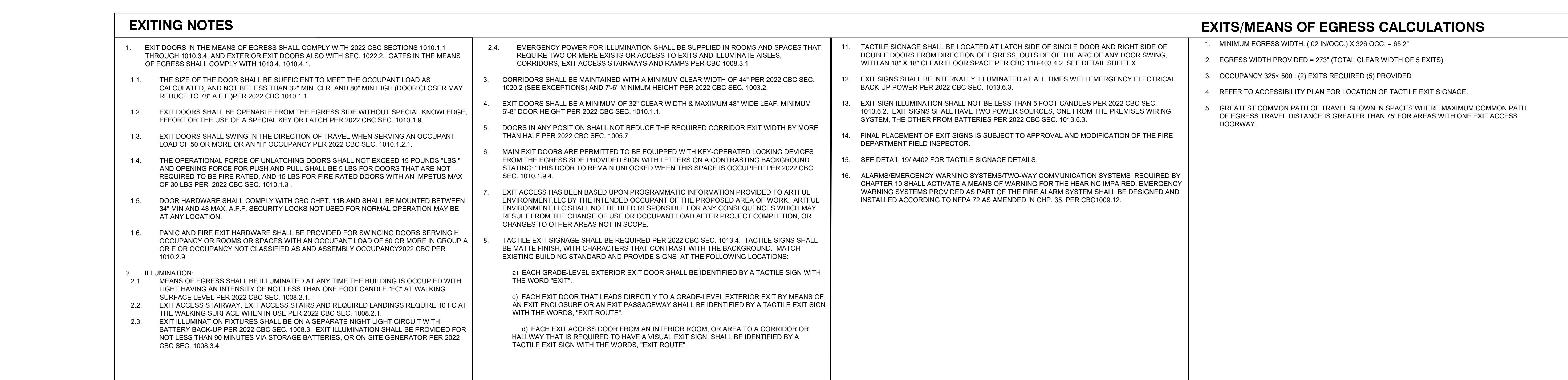
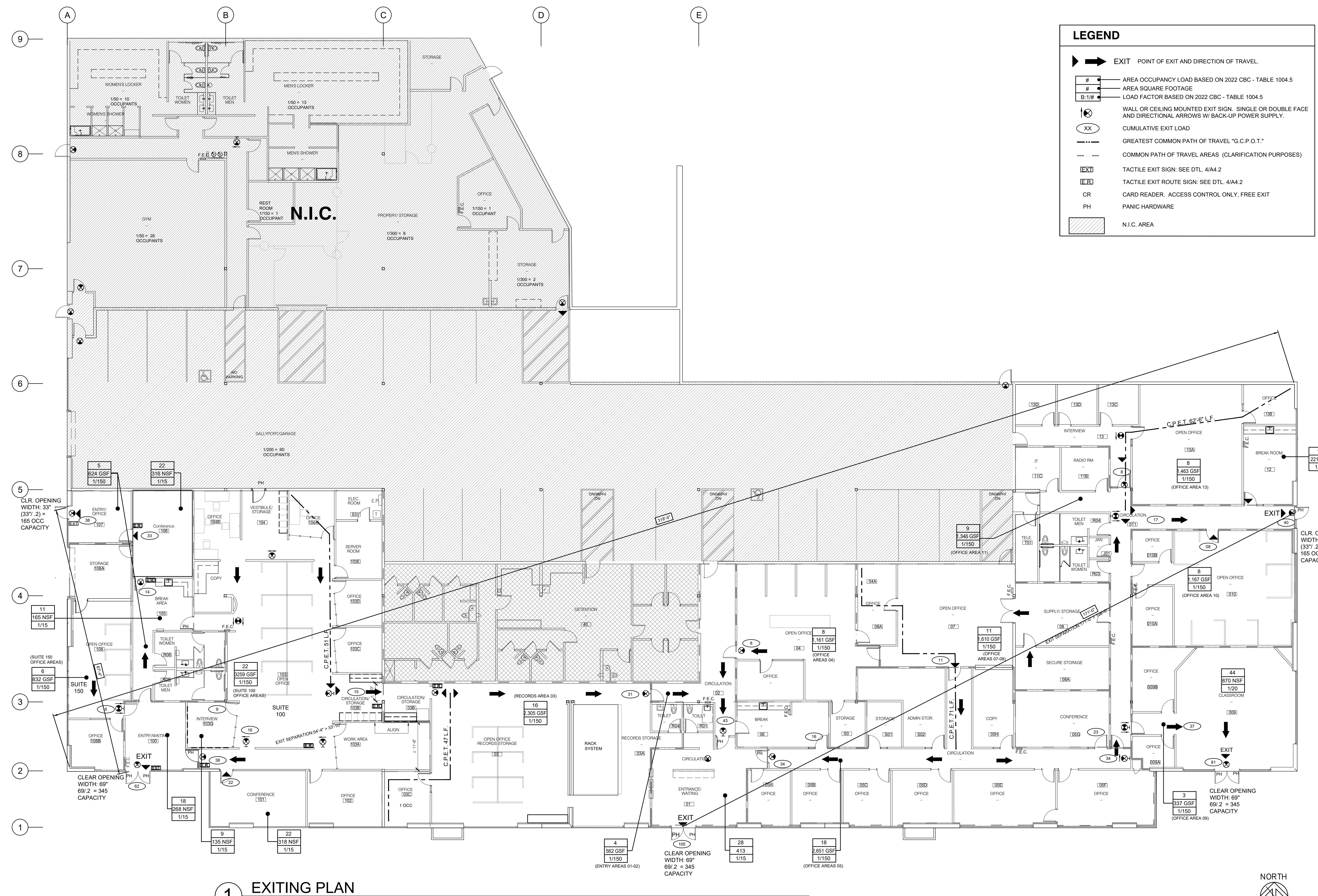
Philip D. Nettle

MORGAN HILL POLICE
DEPARTMENT EXPANSION

16200 VINEYARD BLVD.
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10/06/2023 SUBMIT FOR PLAN CHECK

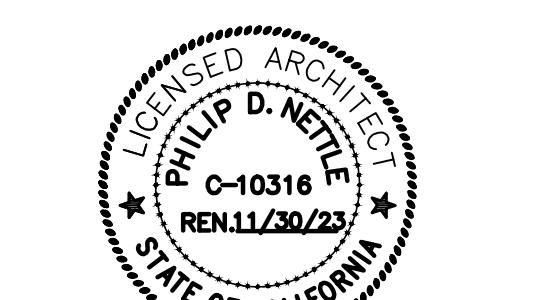
CUMULATIVE OCCUPANT LOAD TABLE			
RM NO	GSF/NSF	OCC	OLF
100	ENTRY/WAITING	268 NSF	18 1:15
	SUB TOT	18	
SUITE 100 OFFICE AREAS	3259 GSF	22 1:150	
101	CONFERENCE	318 NSF	22 1:15
102	OFFICE		
103A	WORK AREA		
103B	CIRC/STORAGE		
103C	OFFICE		
103E	SERVER		
103G	INTERVIEW	135 9 1:15	
104A	OPEN OFFICE		
104C	CIRC/STORAGE		
104B	OFFICE		
E01	ELEC. ROOM		
	SUB TOT:	53	
107	OFFICE/ENTRY	624 GSF 5 1:150	
R05	TOILET MEN		
R06	TOILET WOMEN		
105	BREAK	166 NSF 11 1:15	
106	CONFERENCE	316 NSF 22 1:15	
	CUMULATIVE EGRESS	SUB TOT: 38	
SUITE 150 OFFICE AREAS	832 GSF 6 1:150		
108	OFFICE		
108A	LOADING/STORAGE		
108B	OFFICE		
	SUB TOT:	6	
	TOTAL OCCUPANTS AREA OF WORK:	115	
AREA NOT IN CONTRACT			
ENTRY AREAS 01-02	562 GSF 4 1:150		
01	ENTRY/WAITING	413 NSF 28 1:15	
R01	GEN NEUTRAL TOILET		
02	CIRCULATION		
	SUB TOT:	32	
RECORDS AREA 03	2305 GSF 16 1:150		
2	RECORDS STORAGE		
R04	TOILET		
03	OPEN OFFICE		
03A	CIRC/STORAGE		
03B	OFFICE		
	SUB TOT:	16	
OFFICE AREA 04	1161 GSF 8 1:150		
04	OPEN OFFICE		
04A	OFFICE		
	SUB TOT:	8	
OFFICE AREA 05	2651 GSF 18 1:150		
05A	OFFICE		
05B	OFFICE		
05C	OFFICE		
05D	OFFICE		
05E	OFFICE		
05F	OFFICE		
05G	CONFERENCE	343 NSF 23 1:15	
06	BREAK	229 NSF 16 1:15	
05H	COPY		
	SUB TOT:	57	
OFFICE AREA 07-08	1610 GSF 11 1:150		
07	OPEN OFFICE		
07A	OFFICE		
08	SUPPLY		
08A	SECURE STORAGE		
	SUB TOT:	11	
OFFICE AREA 09	337 GSF 3 1:150		
9	CLASSROOM	870 NSF 44 1:20	
09A	OFFICE		
09B	OFFICE		
	SUB TOT:	47	
OFFICE AREA 10	1167 GSF 8 1:150		
10	OPEN OFFICE		
10A	OFFICE		
10B	OFFICE		
	SUB TOT:	8	
OFFICE AREA 11	1346 GSF 9 1:150		
11	CIRC		
11A	RADIO ROOM		
11B	IT		
T01	TELE		
R03	WOMEN		
R04	MEN		
J01	JANITOR		
12	BREAK	221 NSF 15 1:15	
	SUB TOT:	24	
OFFICE AREA 13	1463 GSF 8 1:150		
13	CIRC		
13A	OPEN OFFICE		
13B	INTERVIEW		
13C	VIDEO		
13D	INTERVIEW		
		8	
TOTAL OCC. AREA N.I.C.	211		
TOTAL OCCUPANTS:	326		



DRAWING TITLE: OCCUPANCY & EXITING PLAN
DRAWING NO.: A0.3
SCALE: AS NOTED

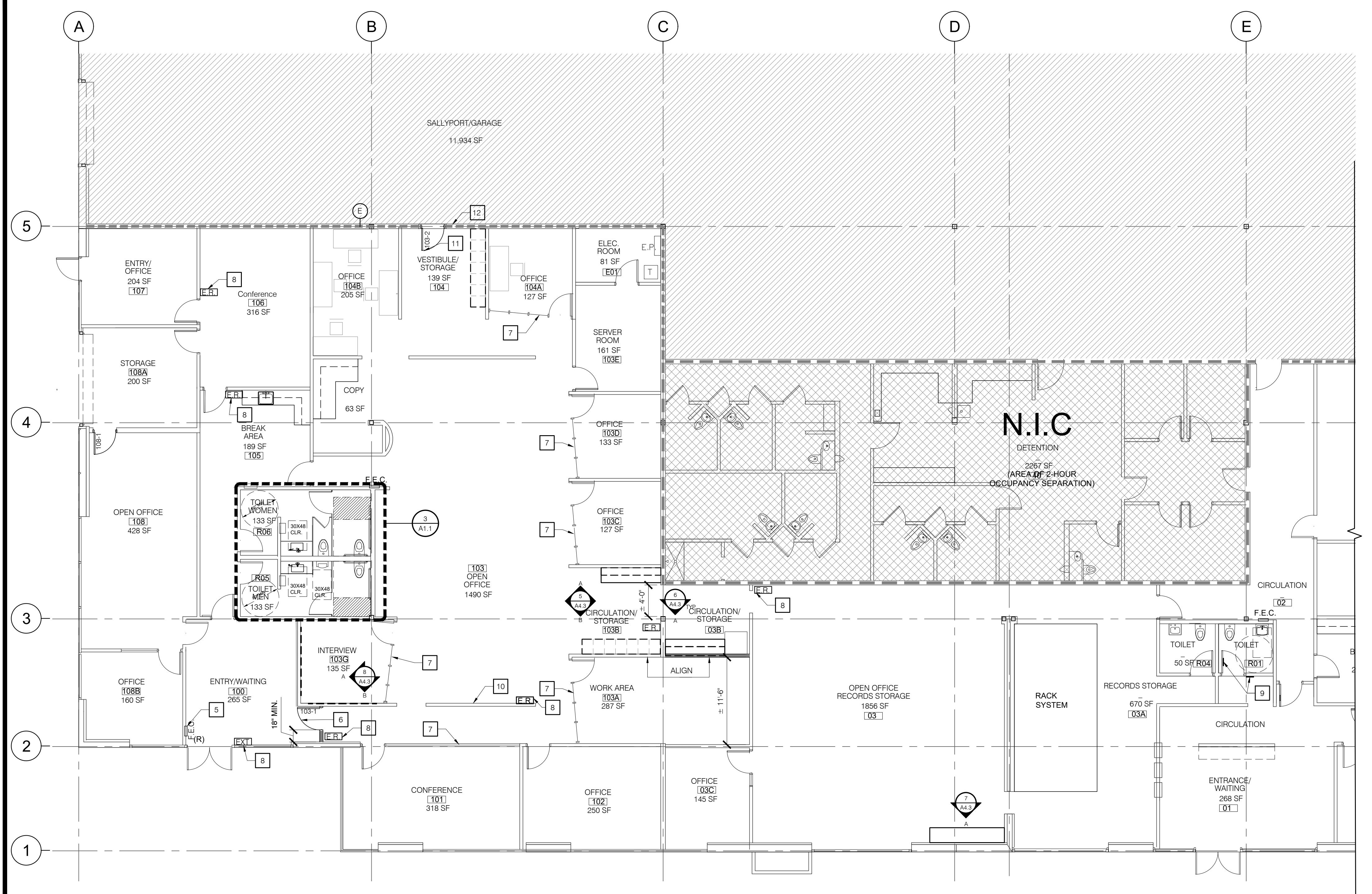


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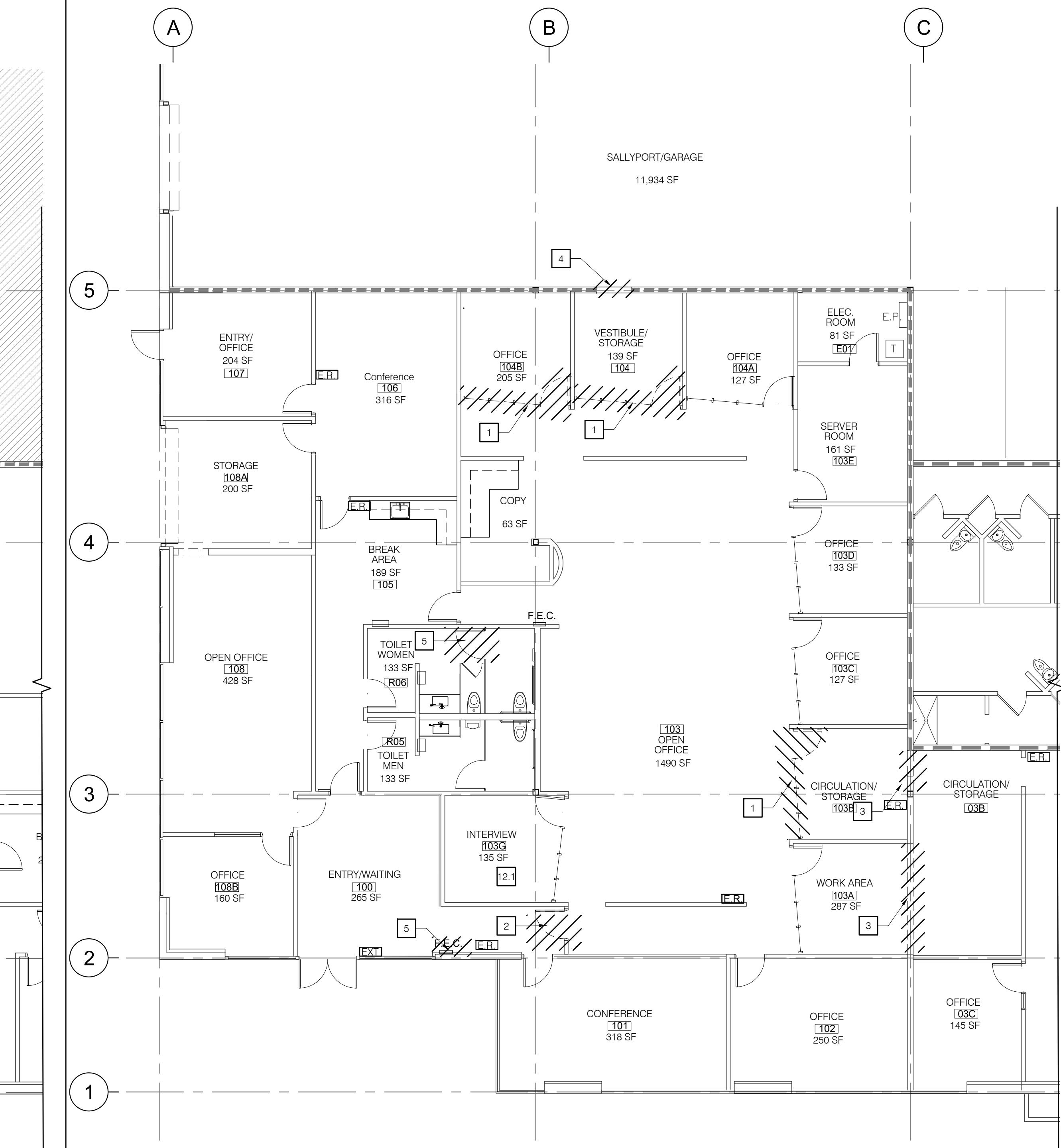
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2 FLOOR PLAN

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



1 DEMO PLAN

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

GENERAL CONSTRUCTION NOTES		SHEET NOTES	LEGEND
<p>1. PRIOR TO APPLICATION OF PAINT, ALL SURFACES SHALL BE PROPERLY PREPARED AND TAPE.</p> <p>2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS SHOWN ON DRAWINGS. THE CONTRACTOR SHALL NOTIFY ARTFUL ENVIRONMENT, LLC OF ANY DISCREPANCIES, ERRORS OR CONFLICTS WHICH SHALL BE REVIEWED WITH ARTFUL ENVIRONMENT, LLC AND RESOLVED PRIOR TO START OF CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THE DRAWINGS, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM ARTFUL ENVIRONMENT, LLC BEFORE PROCEEDING WITH WORK. IN THE EVENT OF FAILURE TO DO ANY OF THE ABOVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTION OF ERRORS. ONLY ARTFUL ENVIRONMENT, LLC SHALL INTERPRET THE DRAWINGS AND SPECIFICATIONS.</p> <p>3. "ALIGN" SHALL MEAN TO ACCURATELY LOCATE FINISHED FACES IN THE SAME PLANE.</p> <p>4. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLANS AND ELEVATIONS.</p> <p>5. ADJUST PARTITION THICKNESS AND CAVITY FOR INCLUSION OF INTERNAL ELEMENTS, SUCH AS PLUMBING, AND FOR CORRECT INSTALLATION OF FIXTURES, PANELS, BOXES, ETC.</p> <p>6. FINISH GYPSUM DRYWALL COMPLETELY TO WITHIN 1/4" OF FLOOR TO ENSURE A SOLID WALL BASE INSTALLATION.</p> <p>7. FIRE EXTINGUISHERS SHALL BE PROVIDED AND LOCATED IN ACCORDANCE WITH FIRE DEPARTMENT REQUIREMENTS. SEE F.E.C. OR F.E.C. ON PLANS. EXTINGUISHER CABINET DOOR OPENING HARDWARE SHALL BE 48" MAX. A.F.F.</p> <p>8. U.L. APPROVED DETAILS OF RATED ASSEMBLY PENETRATIONS ARE TO BE PROVIDED BY INDIVIDUAL SUBTRADES AS REQUIRED BY 2022 CBC SEC. 714.</p> <p>9. AT ALTERED CONSTRUCTION INCLUDING AREAS OF SCHEDULED DEMOLITION, REPAIR CUT EDGES, REPLACE CONCRETE, & FIT NEW TO EXISTING CONCRETE. REPAIR RECESSED CEIL. / BLEND / ALIGN CEIL. EDGES. EXPOSED CONCRETE SURFACES OF NEW & EXISTING PARTIES SHALL BE SMOOTH AND EVEN. WHERE NEW PAINT OR OTHER FINISHES ARE JOINED, CONTINUE TO NEAREST BREAK IN SURFACE, CORNER, OR SIMILAR BREAK IN CONSTRUCTION AS REQUIRED FOR NEAT, FINISHED APPEARANCE.</p> <p>10. WHERE CONCRETE FLOORS REQUIRE LEVELING, PROVIDE SELF LEVELING CEMENTITIOUS FILLER FLOATED TO A FEATHER EDGE. MIX AND APPLY IN STRICT ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.</p> <p>11. ALL REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS SHALL BE SUBMITTED TO ARTFUL ENVIRONMENT, LLC IN WRITING AND SHALL BE APPROVED BY ARTFUL ENVIRONMENT, LLC PRIOR TO INCORPORATION INTO WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE THE PRODUCT PROPOSED FOR SUBSTITUTION, TO DETERMINE IF IT IS EQUAL IN ALL RESPECTS TO THAT SPECIFIED AND TO PROVIDE COST AND SCHEDULE CHANGES FOR THE PROPOSED SUBSTITUTION. ARTFUL ENVIRONMENT, LLC SHALL DETERMINE THE ACCEPTABILITY AND RESERVE THE RIGHT TO REJECT PROPOSALS.</p> <p>12. AISLES AT OPEN OFFICE/MODULAR FURNITURE AREAS SHALL HAVE A CLEAR WIDTH OF 44" MINIMUM.</p>	<p>1. ALL NEW WALLS AND WALL REPAIRS SHALL MATCH EXISTING ADJACENT WALL FINISH.</p> <p>2. PROVIDE SKIM TROWEL FINISH, KNOCK-DOWN BROCADE FINISH, ETC. AT ALL NEW WALLS TO MATCH EXISTING ADJACENT WALL FINISH.</p> <p>3. VERIFY EXISTING PLUMBING FIXTURES MEET CALIFORNIA WATER CONSERVATION REQUIREMENTS OR PROVIDE NEW.</p> <p>4. PROVIDE (N) FIRE EXTINGUISHER SIGNAGE WITH NEW PER DETAIL 12/A1.1 OR MATCH EXISTING BLDG. STANDARD.</p> <p>5. PROVIDE EXIT DEVICES FROM THE AREA OF THE OCCUPANCY WHEN PASSING THROUGH INTERVENING SPACES ON THE PATH OF TRAVEL TO THE EXIT.</p> <p>6. PROVIDE NEW TACTILE EXIT SIGNAGE PER DETAIL 12/A1.1. REFER TO SHEET A.02 FOR GENERAL LOCATION, AND IN ACCORDANCE WITH 11B-707.4 FOR HEIGHT AND LOCATED ALONG THE LATCH SIDE OR ALONG THE RIGHT SIDE WITH A CLEAR FLOOR SPACE OF 18" X 18" MIN CENTERED ON THE TACTILE SIGNAGE PER 11B-707.4.2</p>	<p>REF TO 5/A3.0 FOR PARTITION TYPES, 11/A3.0 FOR STUD SCHEDULE, & 2/A3.0 FOR WALL TYPE CONSTRUCTION. UNFACED FIBERGLASS SOUND ATTENUATION BATT INSULATION: 3-1/2" @ 3-5/8" STUDS, 5-1/2" @ 6" STUDS.</p> <p>EXISTING CONSTRUCTION TO REMAIN (WALLS 25 GA 24" O.C.W/O INSUL., TYP. PER RECORD DOCUMENTS)</p> <p>TYPE A: NEW BLDG. STD. INTERIOR PARTITION TO THE UNDERSIDE OF CEILING. 3-5/8" METAL STUDS W/ 5/8" GYP. BD. EA. SIDE AND ACOUSTICAL INSULATION. WALLS WITHOUT SYMBOLS ARE TYPE "A", TYP.</p> <p>EXISTING FULL HEIGHT 2-HOUR-FIRE-RATED/OCCUPANCY SEPARATION, METAL STUD PARTITION. (AREA N.I.C.)</p> <p>EXISTING 40" HIGH CMU PARTITION WITH 6" METAL STUD (1-HR RATED) INFILL ABOVE TO DECK. NON-STRUCTURAL</p> <p>DOOR - SEE DETAILS 10/A501 & 17/A601 AND DOOR SCHEDULE SHEET A-601. DOORS WITHOUT NUMBERS ARE EXISTING TO REMAIN</p> <p>(N) F.E.C. F.E.C.</p> <p>EXISTING FIRE EXTINGUISHER CABINET</p> <p>HOLDING CELL AREA WITH 2-HOUR FIRE-RATED AREA / OCCUPANCY SEPARATION (N.I.C)</p> <p>DEM/REMOVE</p> <p>EXI</p> <p>E.R.</p> <p>TACTILE EXIT SIGN: SEE DTL. 4/A4.2 TACTILE EXIT ROUTE SIGN: SEE DTL. 4/A4.2</p>	
<p>2901 A10 FF DWG</p> <p>REF FILES:</p>	<p>KEY NOTES</p> <p>1. REMOVE GLAZING SYSTEM AT OFFICE; HEADER TO REMAIN.</p> <p>2. REMOVE DOOR AND FRAME. RETAIN FOR REUSE. PATCH EXISTING CEILING GRID.</p> <p>3. CREATE NEW OPENINGS IN FULL HEIGHT WALL BETWEEN SUITE 100 AND EXISTING STORAGE SPACE. DEMO WALL BACK TO NEAREST WALL OR (E) STEEL COLUMN, AND ALLOW FOR NEW HEADER TO BE FLUSH FLUSH WITH (E) CEILING GRID. SEE DETAILS 9 & 10/A3.0</p> <p>4. REMOVE SAW-CUT AREA OF HOLLOW CMU PREVIOUSLY PREPARED FOR NEW OPENING BETWEEN SALLYPORT AND VESTIBULE 104, AND PREPARE FOR NEW HOLLOW METAL DOOR FRAME. SOLID GROUT ANY EXPOSED CUT CELLS AT JAMB BLOCKS TO CREATE SMOOTH SURFACE.</p> <p>5. REMOVE FEC AND RELOCATE AWAY FROM AREA REQUIRED CLEAR FLOOR SPACE AT DOOR.</p> <p>6. CONFIRM LOCATION OF RELOCATED DOOR WILL MEET MINIMUM CLEAR 18" CLEAR ON LATCH SIDE OF RELOCATED DOOR.</p> <p>7. PROVIDE BUILDING STANDARD WINDOW FILM AT GLAZING AT (E) GLAZING. SEE ELEVATION A/A7.0.</p> <p>8. PROVIDE NEW TACTILE EXIT 'EXI' OR EXIT ROUTE 'E.R.' SIGNAGE AT LOCATIONS SHOWN OR AS DIRECTED BY FIRE MARSHAL. MATCH BLDG. STANDARD. (EXISTING NOT SHOWN)</p> <p>9. PROVIDE NEW 'ALL GENDER' SIGNAGE FOR PUBLIC ACCESSIBLE TOILET ROOM</p> <p>10. PREPARE AREA FOR NEW FLAT SCREEN MONITOR (N.I.C.): • PROVIDE RECESSED BOX FOR POWER AND DATA AT +60" A.F.F. • PROVIDE RING AND PULL STRING TO TOP OF WALL • CONFIRM MONITOR WEIGHT W/ <100 LBS. OR PROVIDE BACKING PER DETAIL</p> <p>11. INSTALL NEW 1HR RATED H.M. FRAME AND FLUSH DESIGN DOOR AT NEW OPENING.</p> <p>12. EXISTING 1 HR RATED OCCUPANCY SEPARATION WALL</p>	<p>DRAWING TITLE: DEMO & NEW FLOOR PLANS</p> <p>DRAWING NO.: A1.0</p> <p>SCALE: AS NOTED</p>	



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408.318.0226
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PHILLIP D. NETTLE, ARCHITECT
C-10316 EXPY 10/20/2023
526 Shorebird Circle #16105
Redwood City, CA 94065

Philip D. Nettle

LEGEND

- EXISTING BLDG. STD. 2X4' SUSPENDED CEILING SYSTEM TO REMAIN.
- EXISTING GYP. BD. CEILING TO REMAIN
- EXISTING OPEN CEILING
- NEW HIGH NRC ACOUSTIC CEILING TILE: ARMSTRONG 1754 HIGH NRC
- EXISTING EXIT SIGN
- *E* DENOTES EXISTING, U.O.N.
- *R* DENOTES RELOCATED, U.O.N.
- *N* DENOTES NEW, U.O.N.
- EXISTING CEILING AND LIGHTING SYSTEMS TO REMAIN
- EXISTING RECESSED 2X4' LED/FLUO. MIXED FIXTURES TO REMAIN
- NEW RECESSED 2X2' LED FIXTURE, LITHONIA LIGHTING BLT SERIES LED 2BLT240L-SDSM-E21-LP935, COLOR TEMP: 3500K, LUMENS: 4000
- DEMO/REMOVE
- EXISTING DOWN LIGHT TO MATCH EXISTING
- EXISTING EXHAUST FAN

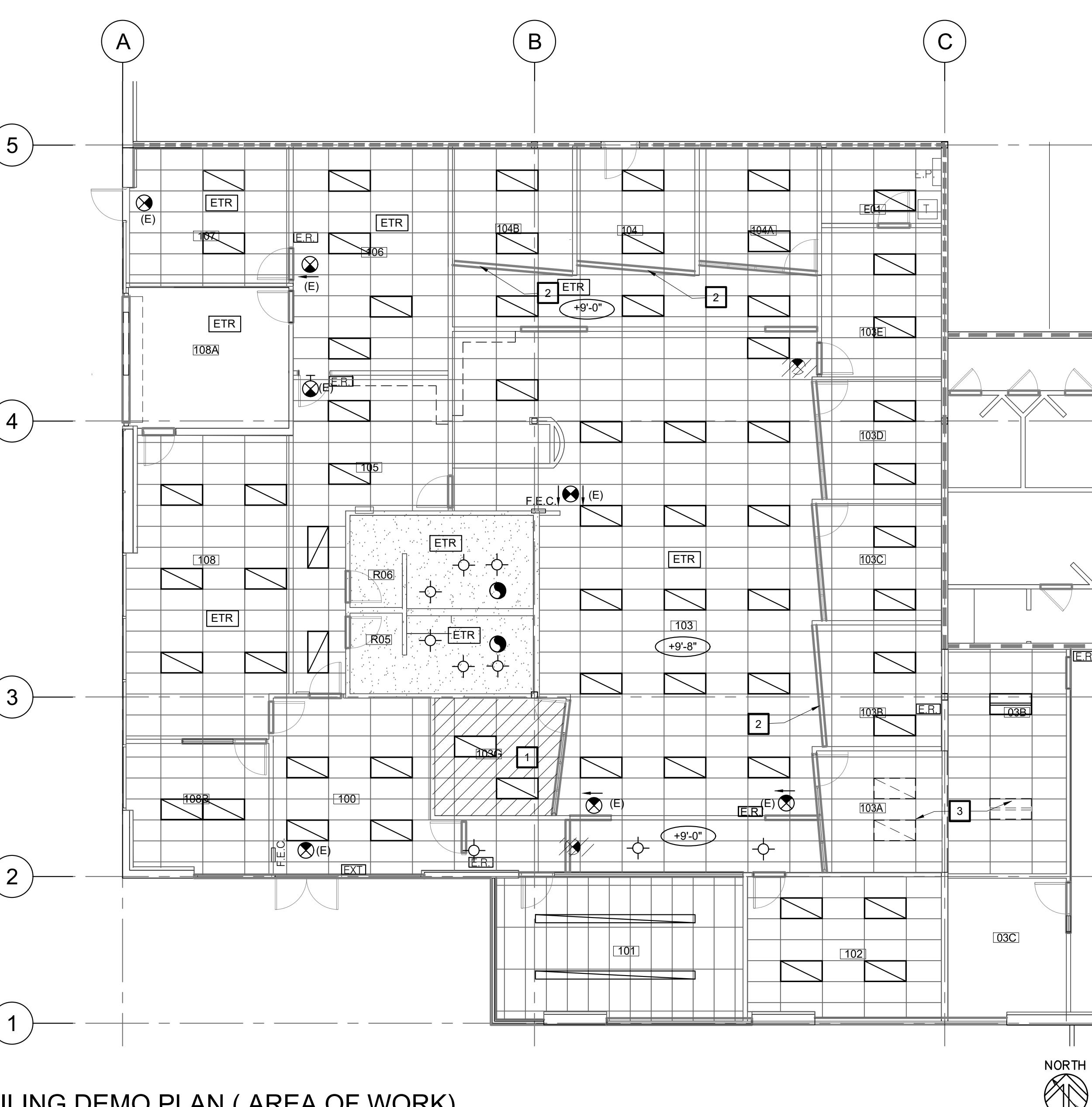
GENERAL CEILING NOTES

- VERIFY EMERGENCY LIGHTING IS PROVIDED PER CODE REQUIREMENTS. PROVIDE FIXTURES WITH INTEGRAL EMERGENCY BATTERY PACKS FOR 2022 CBC SEC. 1008. SURFACE MOUNTED EMERGENCY LIGHTING FIXTURES SHALL NOT BE ACCEPTED.
- ALL LIGHT FIXTURES AND HVAC REGISTERS SHALL BE LOCATED ON CEILING GRID U.O.N. ALL RECESSED DOWNLIGHTS / WALL WASHERS SHALL BE CENTERED IN THE VISUAL TILE PATTERN, U.O.N.
- NOTIFY ARTFUL ENVIRONMENT, LLC OF ANY CONFLICTS WITH THE SUSPENDED CEILING GRID SYSTEM, LIGHTING, HVAC, AND SPRINKLER FIXTURES PRIOR TO INSTALLATION.
- ALL CEILING FIXTURES AND WIRING FOR LIGHT FIXTURES, EXIT SIGNS, OR OTHER ELECTRICAL DEVICES SHALL BE U.L. APPROVED, THERMALLY PROTECTED, AND SHALL BE INSTALLED IN CONDUIT OR OTHER WIRING METHOD APPROVED BY THE BUILDING DEPARTMENT.
- ALL SWITCHES, RHEOSTATS, AND OTHER WALL MOUNTED CONTROL DEVICES SHALL BE MOUNTED AT 48" MAX. TO TOP OF OUTLET BOX ABOVE UNFINISHED FLOOR U.O.N.
- REPLACE ALL DAMAGED CEILING TILES & GRID MEMBERS THROUGHOUT AREA OF WORK TO MATCH EXISTING.
- THIS DRAWING IS FOR LAYOUT PURPOSES ONLY. ENGINEERING OF SWITCHING & CIRCUITRY SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE WITH APPLICABLE CODES & REGULATIONS FOR BUILDING LIFE SAFETY, EMERGENCY, EGESS & NIGHT LIGHTS. SEE ELEC. NOTES.
- LIGHT FIXTURES AND SWITCHING SHALL CONFORM TO CURRENT CODE REQUIREMENTS.
- IF REQUIRED: RELOCATED SPRINKLER HEADS SHALL BE INSTALLED IN STRAIGHT, SYMMETRICAL LINES, AND CENTERED IN CEILING TILES.
- EXISTING DRAFT STOPS MAY REMAIN. DEMOLISH AS REQUIRED.
- EXISTING CEILING SYSTEMS & LIGHT FIXTURES IN AREAS OF WORK SHALL HAVE SEISMIC BRACING AS REQUIRED BY APPLICABLE CODES. SEE DETAILS: 1-6 / A-501.
- PROVIDE LOW-LEVEL EXIT SIGNS & PATHWAY MARKING WHERE REQUIRED BY 2022 CBC SEC. 1013.7 FOR *A* & *E* OCCUPANCIES IN NON-SPRINKLERED BUILDINGS.
- NEW CEILING MATERIALS SHALL MEET CLASS B FLAME SPREAD RATING OR NFPA 286.
- HORNS AND STROBES ARE EXISTING.

MORGAN HILL POLICE DEPARTMENT EXPANSION

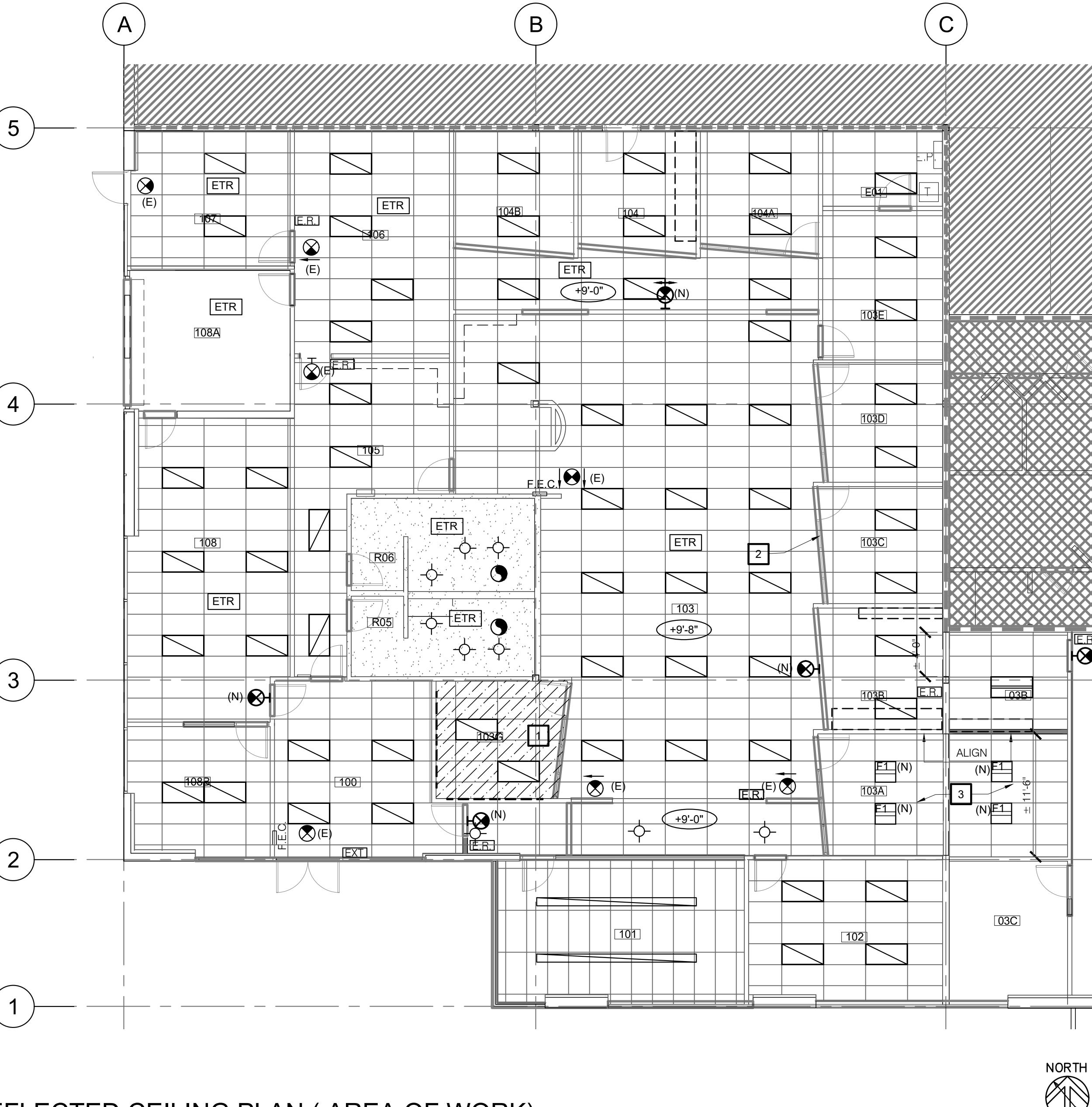
16200 VINEYARD BLVD.
MORGAN HILL, CA 95037

10/06/2023 SUBMIT FOR PLAN CHECK



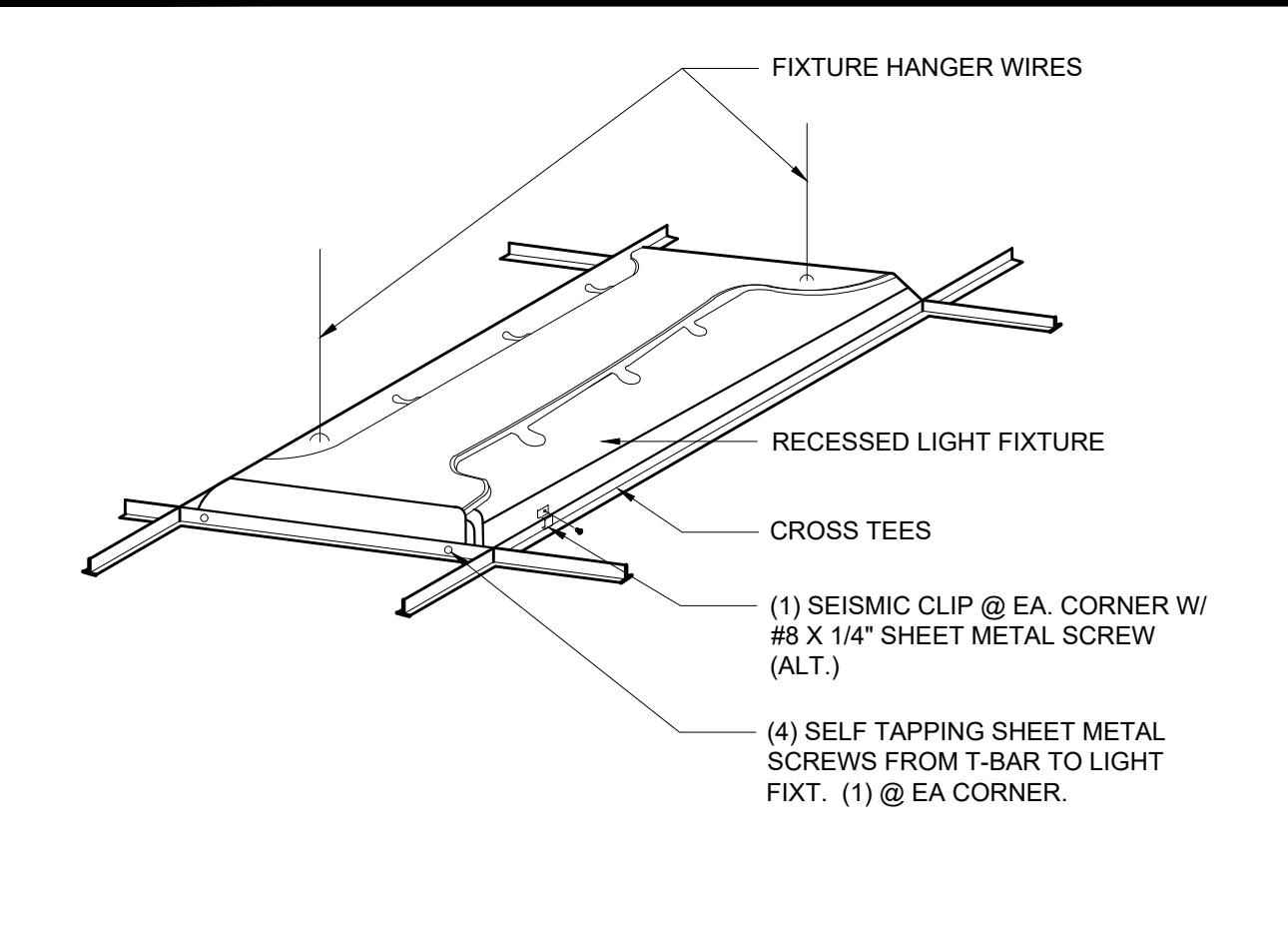
CEILING DEMO PLAN (AREA OF WORK)

SCALE: $\frac{1}{8}$ " = 1'-0"



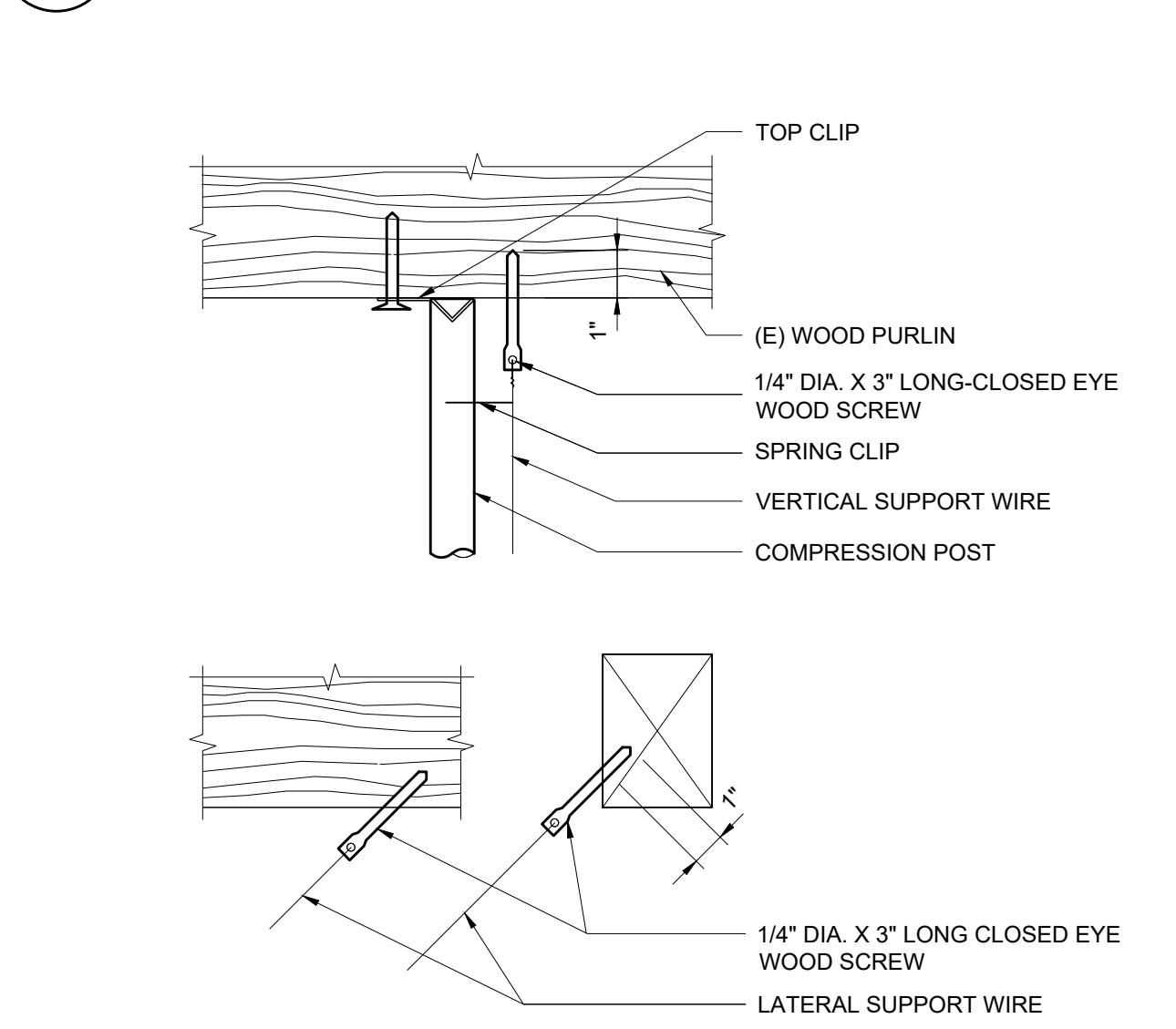
REFLECTED CEILING PLAN (AREA OF WORK)

SCALE: $\frac{1}{8}$ " = 1'-0"



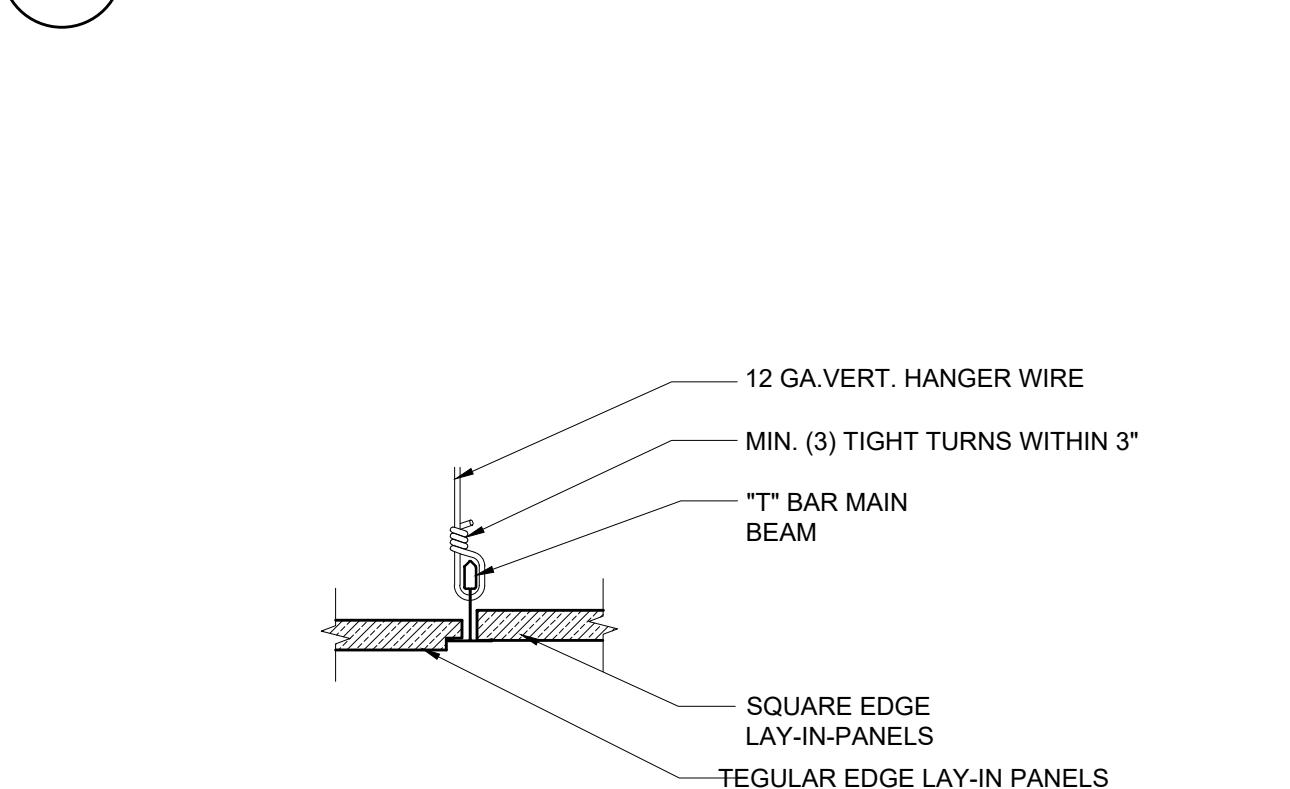
NO. 12 GA. LATERAL SUPPORT WIRE WITHIN 3' OF EA. CORNER OF LIGHT FIXTURE. MIN. OF 3 WIRE TURNS EA. CONNECTION POINT. WIRE SUPPORT BY ACOUSTICAL CLG. CONTRACTOR: ALL FIXTURES 20 LBS. OR MORE - CONNECT (2) 12 GA. FIXTURE SUPPORT WIRES AT DIAGONAL CORNERS OF EACH FIXTURE THREE FULL WRAPS MINIMUM. FIXTURE SUPPORT WIRES SUPPLIED AND HUNG BY T-BAR CONTRACTOR. MAXIMUM FIXTURE WEIGHT 55#.

5 LIGHT FIXTURE SUPPORT



NOTE: ATTACHMENTS MAY BE MADE TO ANY ROOF STRUCTURAL MEMBER EXCEPT SUB-PURLINS

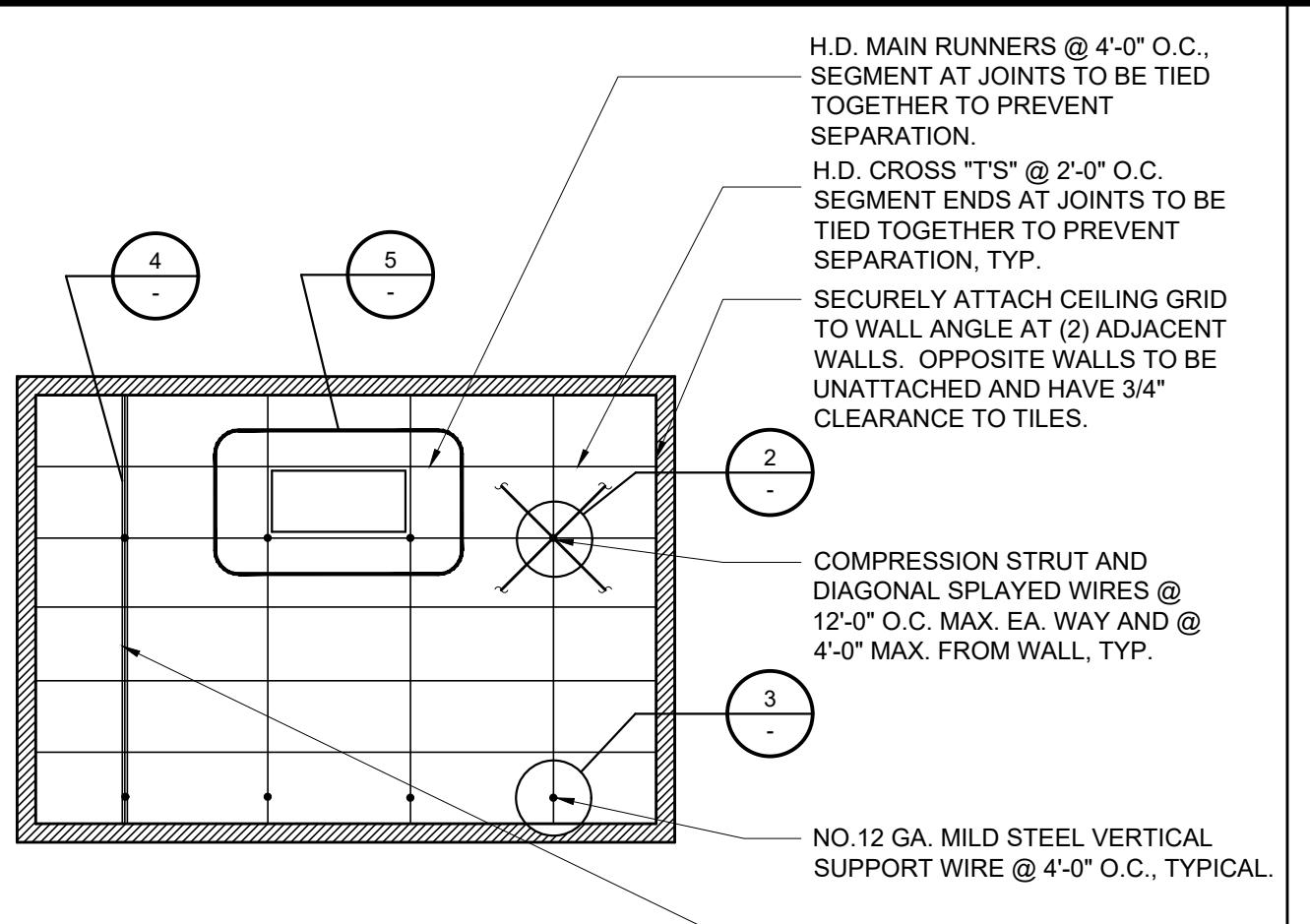
7 SPLAY WIRE ATTACHMENT



8 CEILING GRID SUSPENSION DETAIL

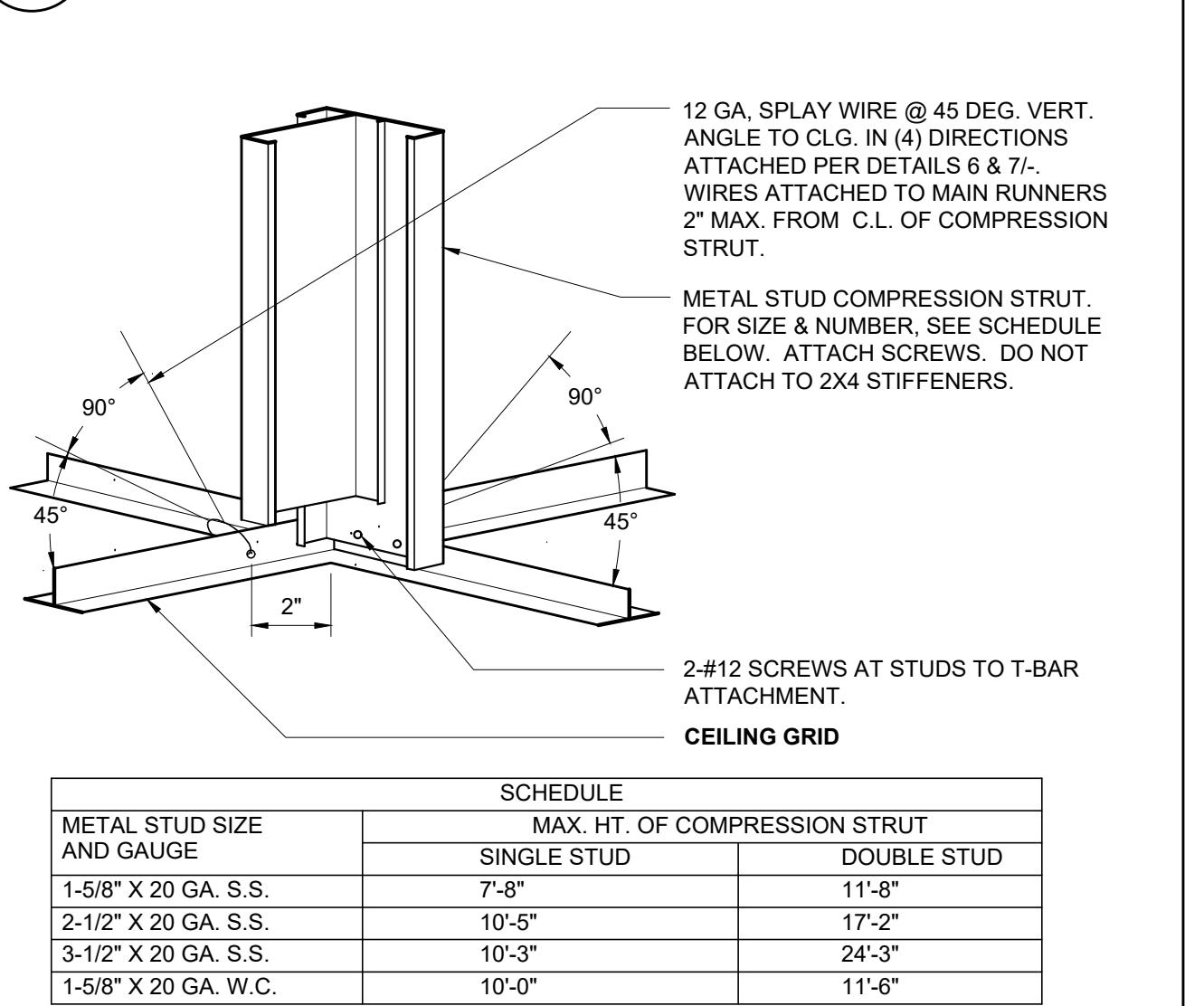


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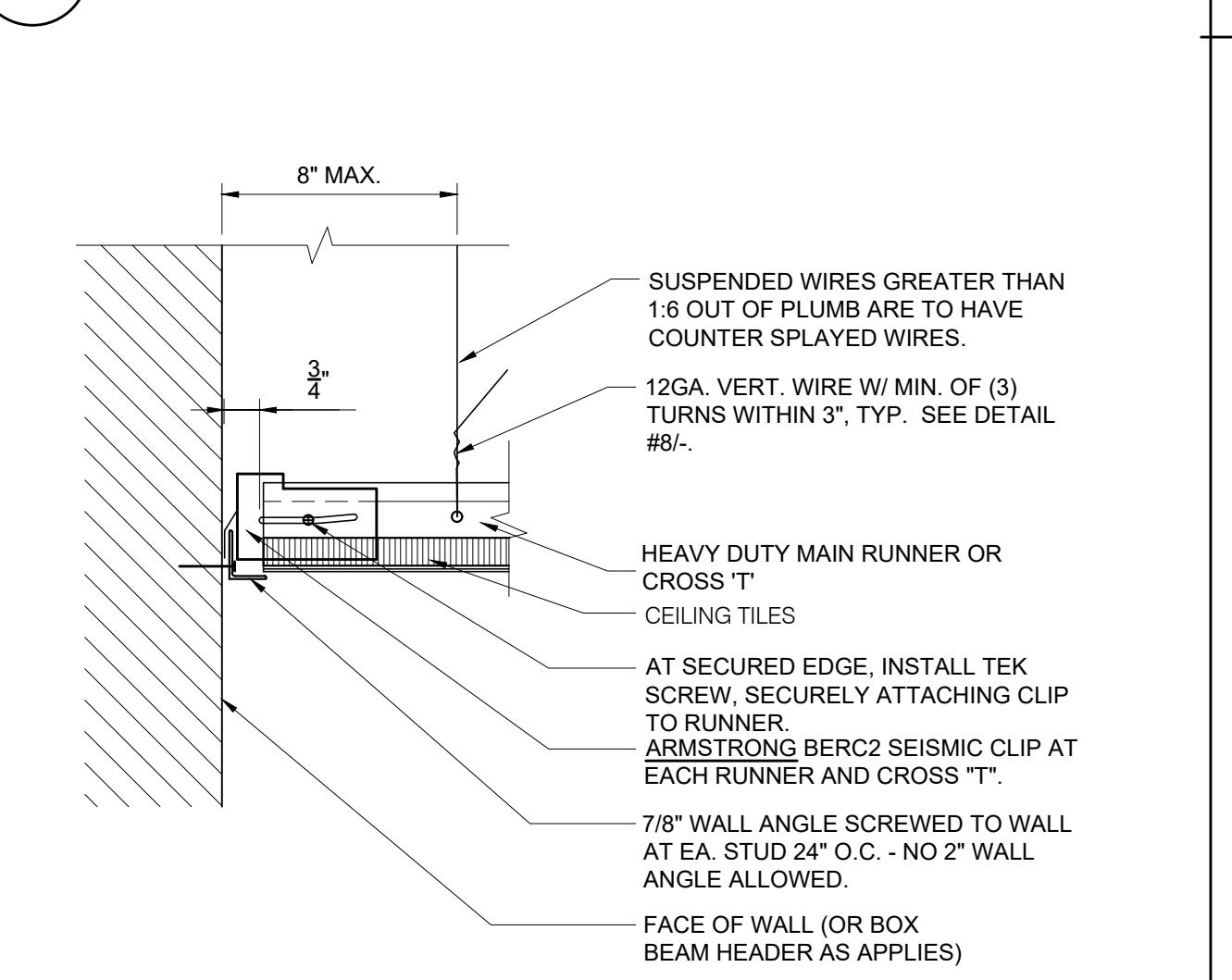
ALL DESIGN ASPECTS OF CEILING SYSTEM SHALL BE IN CONFORMANCE WITH 2019 CBC SEC. 2303.1 AND INSTALLED IN CONFORMANCE WITH THE PROVISIONS OF ASTM C 635 AND ASTM C 636.

1 CEILING SUPPORT

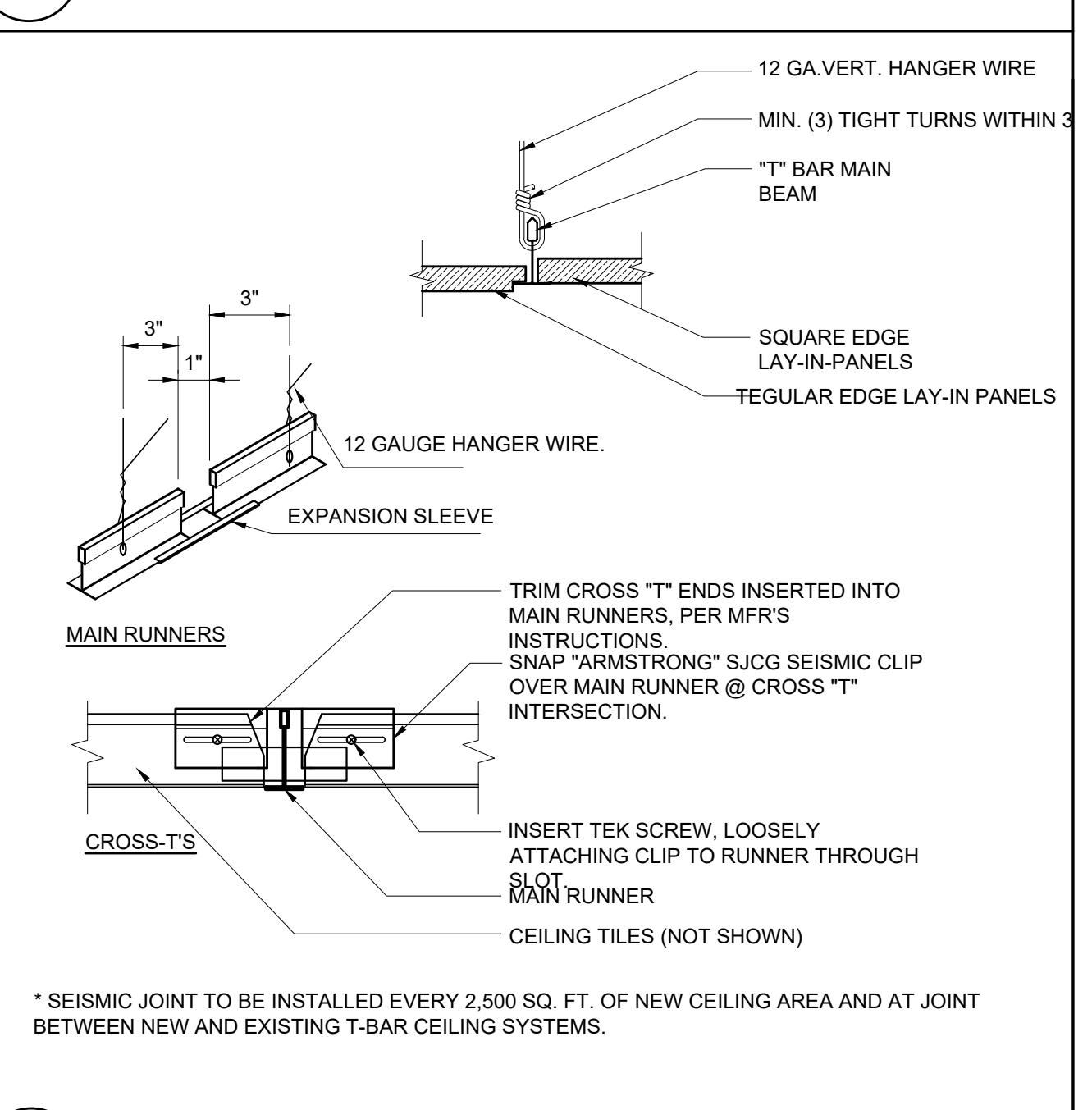


1. FOR METAL STUD ATTACH WEB TO FLANGE WITH NO. 8 SCREW @ 18" O.C.
2. ALL METAL STUDS HAVE A 1-1/4" WIDE FLANGE. A W.C. METAL STUD IS 1-1/4" WIDE FLANGE.
3. USE MTL. STUDS IN PLACE OF CONDUIT IF THE MAX. DISTANCE BETWEEN THE SUSPENDED CEILING AND THE FRAMING ABOVE IS OVER 5'-0".

2 STUD STRUT DETAIL



3 PERIMETER CEILING SUPPORT



* SEISMIC JOINT TO BE INSTALLED EVERY 2,500 SF. OF NEW CEILING AREA AND AT JOINT BETWEEN NEW AND EXISTING T-BAR CEILING SYSTEMS.

4 CEILING GRID SUSP./ SEISMIC JOINT DTLS

3" = 1'-0"

SHEET NOTES

- EXISTING CEILING SYSTEMS TO REMAIN, +9'-0" U.O.N.
- REFER TO ELECTRICAL DRAWINGS FOR COMPLETE ELECTRICAL SCOPE.
- WHERE SWITCHES ARE ADJACENT TO EACH OTHER, THEY SHALL BE GADED AND COVERED BY A SINGLE PLATE. COLOR OF COVER PLATES, RECEPTACLES AND SWITCHES SHALL BE WHITE, U.O.N.
- EXISTING RECESSED LIGHT FIXTURES SHALL REMAIN. ALL LIGHT FIXTURES SHALL BE FULLY OPERATIONAL AND FUNCTIONING.
- REPLACE DRIVERS, AND CLEAN LENSES AS REQUIRED ON ALL FIXTURES THROUGHOUT THE AREA OF WORK.
- REPLACE ALL LAMPS, REPAIR BALLASTS, AND CLEAN AND REPLACE LENSES AS NECESSARY TO PROVIDE A CONSISTENT LAMP COLOR TEMPERATURE THROUGHOUT THE SPACE. MAKE EXISTING BUILDING STANDARDS A PRIORITY.
- REPLACE NEW LED, EXISTING FLUORESCENT, & X-4 FIXTURES MAY BE REPLACED WITH ENERGY STANDARDS PER TITLE 24 INDOOR LIGHTING EXCEPTIONS 5.10.3.2 EXCEPT 1, LESS THAN 10 PERCENT OF FIXTURES ARE BEING CHANGED AND EXCEPTION 5, LESS THAN 50 ONE-FOR-ONE LUMINARIES PER TENANT SPACE PER YEAR.
- THE GENERAL CONTRACTOR SHALL FIELD-VERIFY EXISTING ROOF INSULATION INSTALLATION, WHERE IT WILL BE ACCESSIBLE, AND PROVIDE AN ALLOWANCE TO REPLACE MISSING OR DEFICIENT ROOF INSULATION. NOTIFY ARTFUL ENVIRONMENT, LLC IF ROOF INSULATION IS CURRENTLY INSTALLED.
- PROVIDE NEW EXIT LIGHTING FOR NEW EGRESS PATH OF TRAVEL AS NOTED ON PLANS "(N)"

KEY NOTES

1. REPLACE EXISTING 2 X 4 CEILING TILE WITH HIGH NRC CEILING TILE, MATCH EXISTING EDGE STYLE.
2. HEADER TO REMAIN WHERE GLAZING SYSTEM REMOVED.
3. REMOVE (3) 2X4 LIGHTING FIXTURES AND REPLACE WITH (4) 2X2 FIXTURES FOR UNIFORMITY OF ILLUMINATION TO ACHIEVE +40 FC AT TABLE SURFACE IN WORK AREA.

GENERAL HVAC NOTES

- REFER TO MECHANICAL PLANS FOR COMPLETE MECHANICAL SCOPE.
- MODIFY THE EXISTING HVAC SYSTEM FOR NEW CONSTRUCTION. ADJUST THERMOSTATS, PROVIDE SUPPLIES AND RETURNS, AND BALANCE THE SYSTEM AS REQUIRED.
- THERMOSTATS SHALL BE LOCATED AT 48" MAX. TO TOP OF OUTLET BOX ABOVE UNFINISHED FLOOR AND LOCATED ADJACENT TO SWITCHES UNLESS OTHERWISE NOTED.

DRAWING TITLE:

REFLECTED CEILING PLAN & DETAILS

DRAWING NO.:

A2.0

SCALE: AS NOTED


 PHILLIP D. NETTLE, ARCHITECT
 LIC #10316 EXP 10/20/2023
 526 Shorebird Circle #16105
 Redwood City, CA 94065

Phillip D. Nettle

1 XREF FILES:

20 HOLLOW METAL FRAME- PER NFPA 80
 3" = 1'-0"

15 HEADERS BY OPENING SIZE
 N.T.S.

13 WALL HEAD PERPENDICULAR
 3" = 1'-0"

9 WALL BRACE AT WOOD ROOF
 3" = 1'-0"

14 WALL HEAD PARALLEL
 3" = 1'-0"

10 WALL BRACING
 3" = 1'-0"

18 HOLLOW METAL FRAME
 3" = 1'-0"

15 HEADERS BY OPENING SIZE
 N.T.S.

7 WALL BOTTOM TRACK ATTACHMENT
 3" = 1'-0"

8 WALL BRACE AT WOOD ROOF
 3" = 1'-0"

5 PARTITION TYPES
 N.T.S.

6 CEILING HT. WALL HEAD
 3" = 1'-0"

2 WALL CONSTRUCTION TYPES
 N.T.S.

3 (E) CMU @ FULL HT. WALL (AS-BLT. REF.)
 1" = 1'-0"

4 MORGAN HILL POLICE DEPARTMENT EXPANSION
 16200 VINEYARD BLVD.
 MORGAN HILL, CA 95037

5.1 10/06/2023 SUBMIT FOR PLAN CHECK

5.2 2301-A3.0. CONSTITUTION

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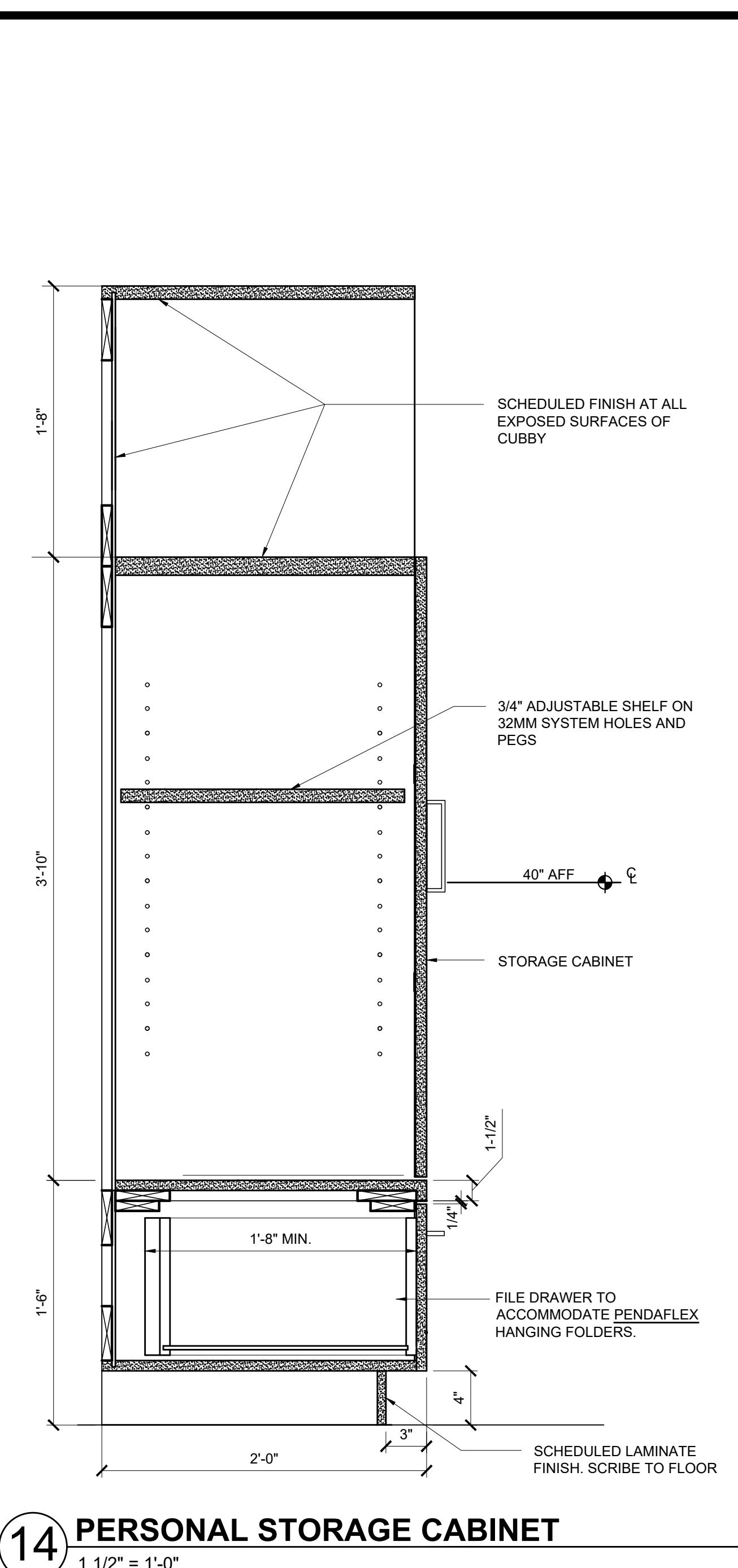
PHILLIP D. NETTLE, ARCHITECT
C-10316 EXPY 10/20/2023
526 Shorebird Circle #16105
Redwood City, CA 94065

Phillip D. Nettle

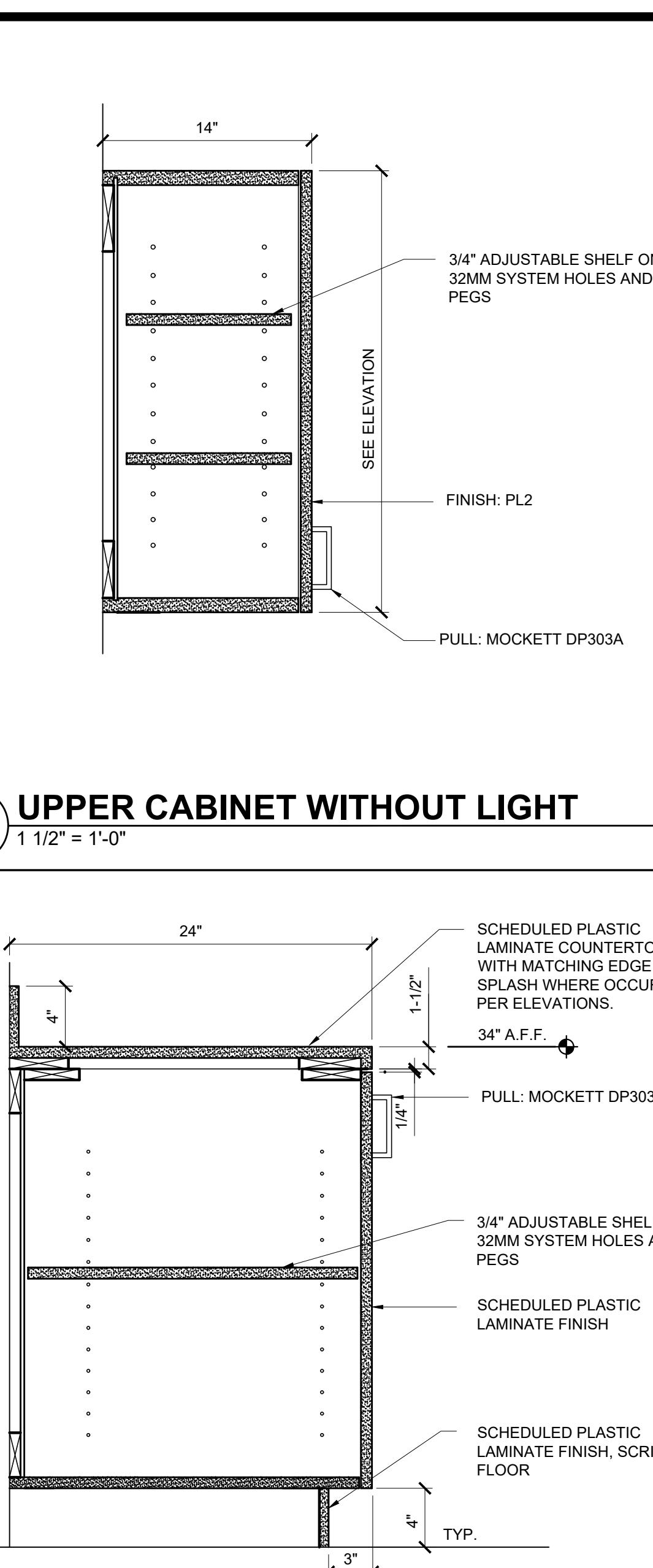
MORGAN HILL POLICE
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16200 VINEYARD BLVD.
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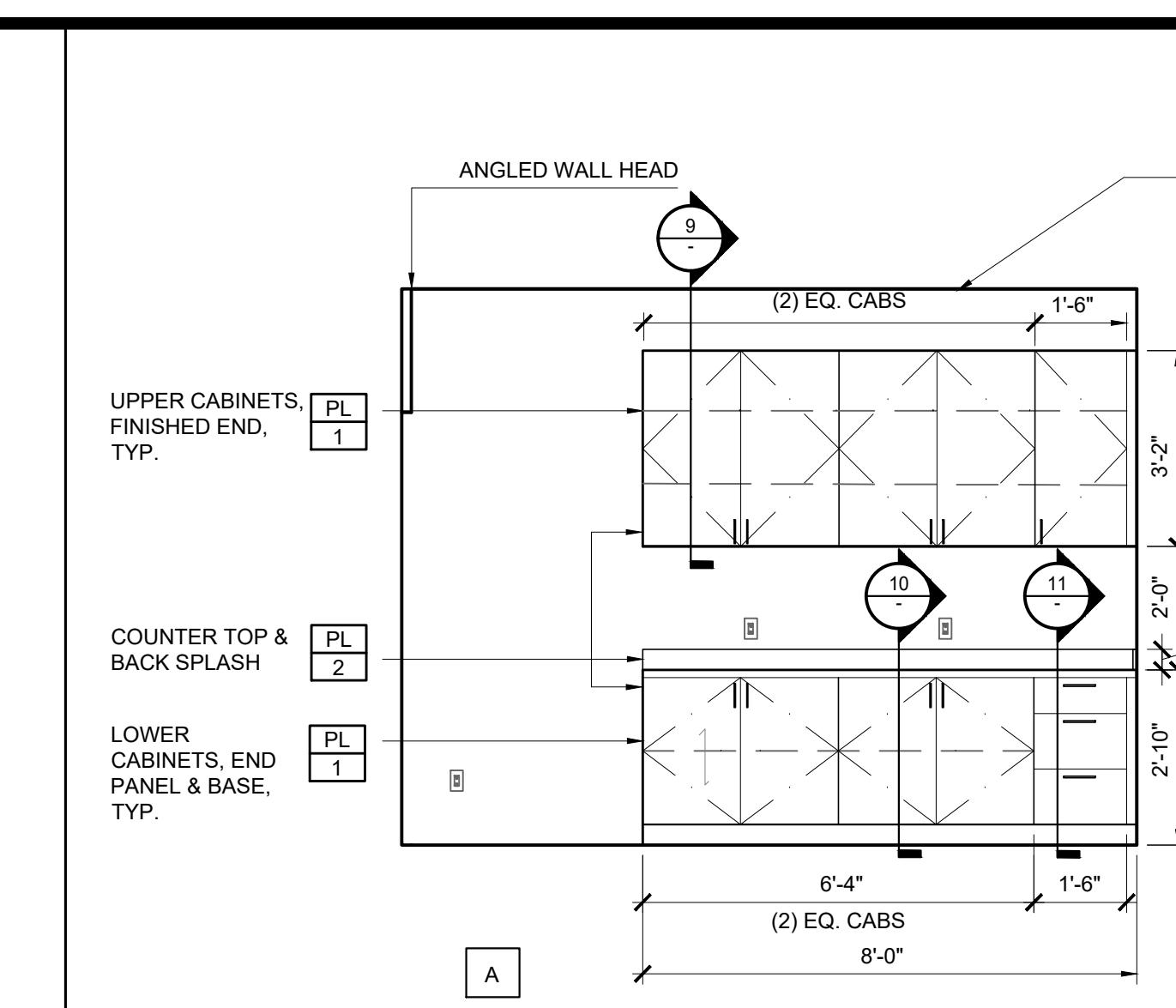
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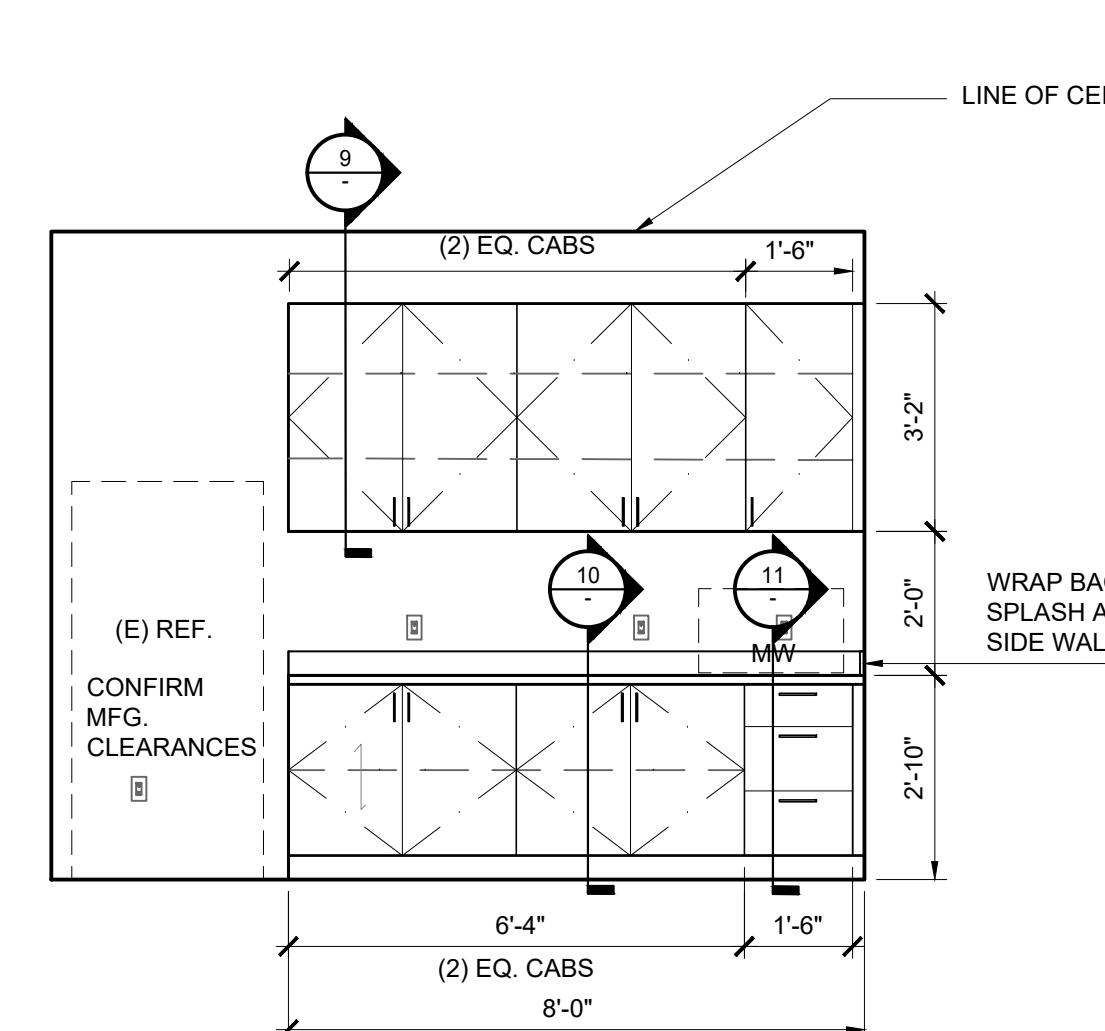
14 PERSONAL STORAGE CABINET
1 1/2" = 1'-0"



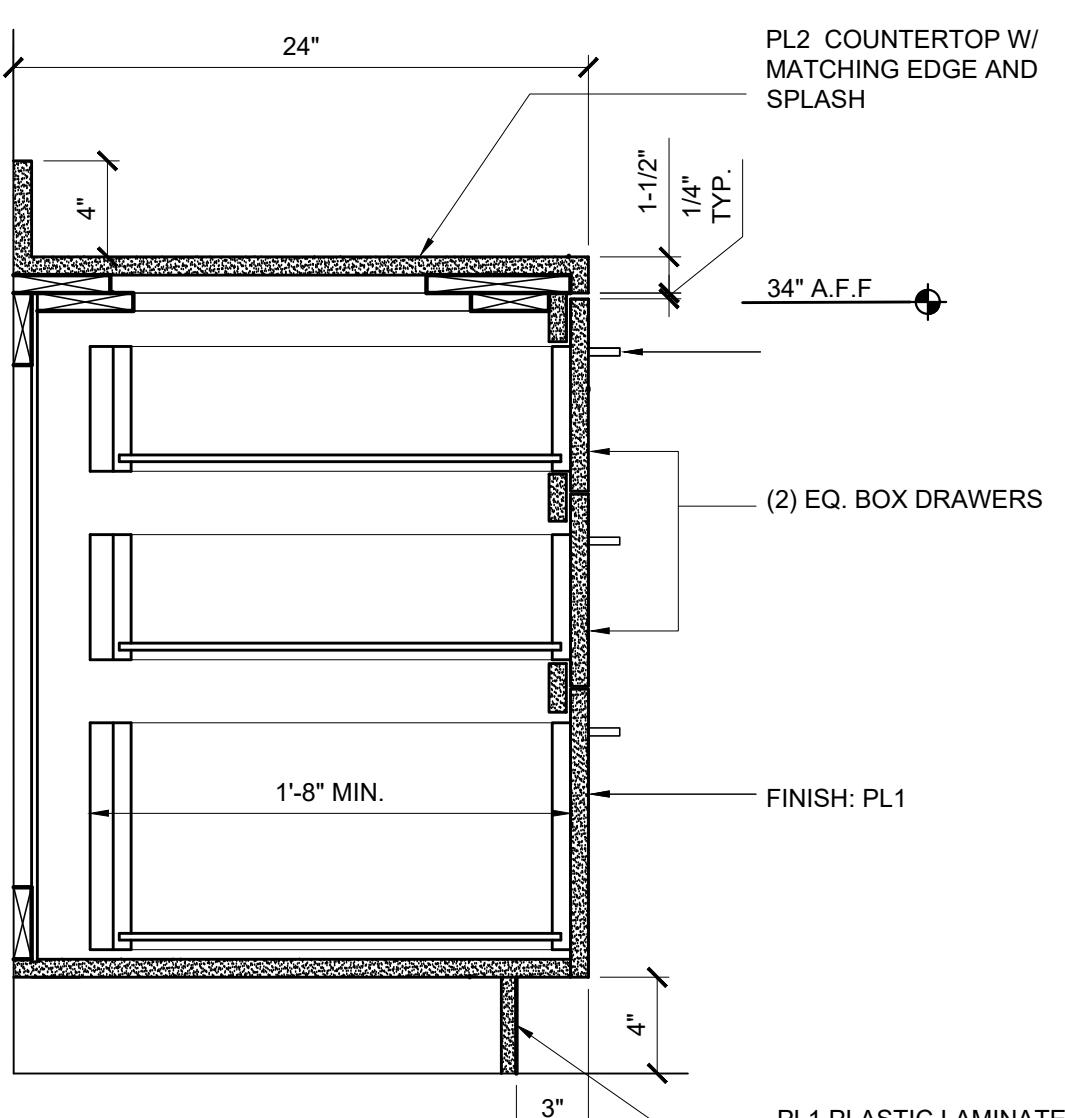
9 UPPER CABINET WITHOUT LIGHT
1 1/2" = 1'-0"



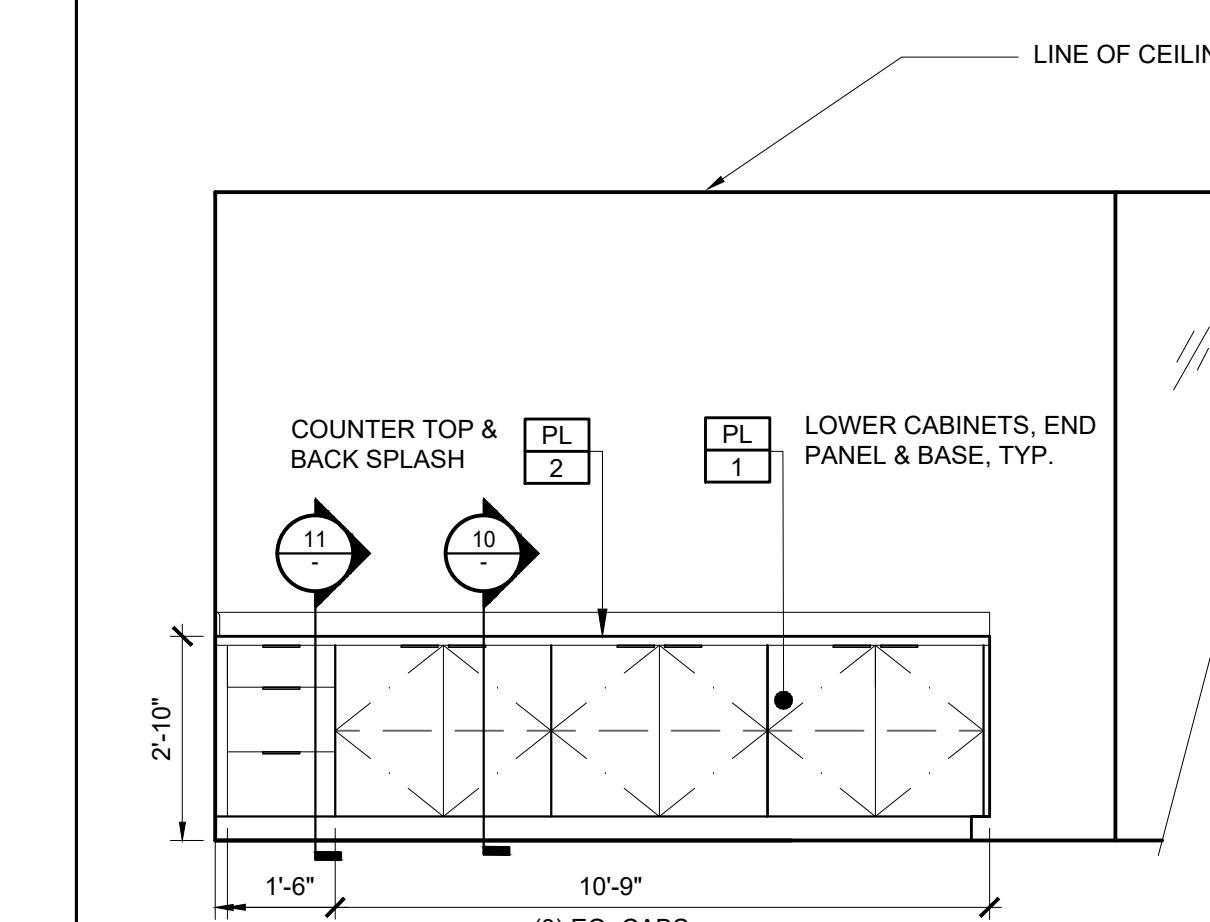
5 ELEVATION @ ROOM #104



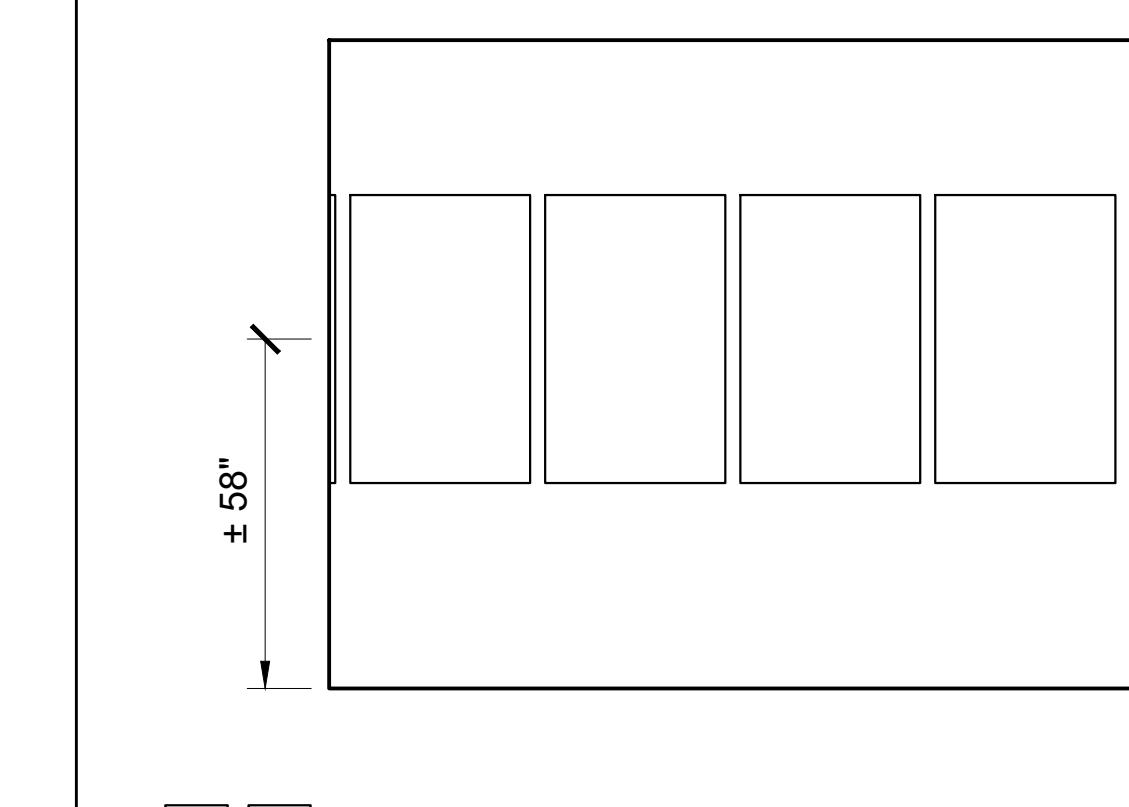
6 ELEVATION @ ROOM #03B



10 BASE CABINET WITH SHELF AND DOOR
1 1/2" = 1'-0"



7 ELEVATION @ RECORDS ROOM # 03



8 ELEVATION @ INTERVIEW RM #103G

MILLWORK / APPLIANCE NOTES

- ALL APPLIANCES ARE EXISTING.
- ALL WORK, MATERIALS, ETC. SHALL CONFORM TO W.I. STANDARDS FOR CUSTOM GRADE. WORK & MATERIALS INDICATED ON DWGS. THAT EXCEED CUSTOM GRADE SHALL GOVERN.
- CABINETS SHALL BE 3/4" FLUSH OVERLAY CONSTRUCTION.
- ALL EXPOSED AND SEMI-EXPOSED SURFACES SHALL BE PLASTIC LAMINATE. SEE DRAWINGS FOR ADDITIONAL SURFACES TO BE PLASTIC LAMINATE.
- EDGE BANDING SHALL MATCH CABINET FACE. T-MOLD EDGE-BANDING WILL NOT BE ACCEPTED. SUBMIT ALL MATERIALS FOR APPROVAL PRIOR TO PURCHASE OF MATERIALS AND FABRICATION OF MILLWORK. IF MATCHING EDGE-BANDING IS NOT AVAILABLE, PROVIDE PLASTIC LAMINATE EDGE-BANDING TO MATCH CABINET FACE. EDGE-BANDING SHALL BE APPLIED AFTER FACES TO MINIMIZE DARK EDGES AT LAMINATE JOINTS.
- HINGES SHALL BE EUROPEAN STYLE, OPEN TO 120 DEGREES. PROVIDE RESTRICTION CLIPS WHERE DOORS OR PULLS ARE ADJACENT TO PERPENDICULAR SURFACES.
- INTERIOR SHELVES SHALL BE 3/4" ADJUSTABLE ON 32MM SYSTEM HOLES AND PEGS.
- CABINETS & PLASTIC LAMINATE COUNTER TOPS SHALL BE ANCHORED AND SCRIBED TO ADJACENT SURFACES. SCRIBE STRIPS SHALL BE NO LONGER THAN 1-1/2".
- ON-SITE MEASUREMENTS ARE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
- THE SUBCONTRACTOR SHALL VERIFY ALL APPLIANCE DIMENSIONS AND SHALL NOTIFY ARTFUL ENVIRONMENT OF ANY DISCREPANCIES. APPLIANCE DIMENSIONS & REQD. CLEARANCES SHALL BE INDICATED ON THE SHOP DRAWINGS.
- SUBCONTRACTOR SHALL PROVIDE A MINIMUM OF (3) SAMPLES OF EACH FINISH INDICATED ON THE DRAWINGS TO ARTFUL ENVIRONMENT FOR APPROVAL. ONE SAMPLE SHALL BE RETAINED BY ARTFUL ENVIRONMENT FOR RECORD.
- SUBMITTED SHOP DRAWINGS SHALL INCLUDE GRAIN AND PATTERN DIRECTIONS.
- DRAWINGS ARE FOR DESIGN PURPOSES ONLY. SHOP DRAWINGS SHALL BE SUBMITTED TO ARTFUL ENVIRONMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
- BY APPROVING AND SUBMITTING SHOP DRAWINGS AND SAMPLES, THE CONTRACTOR REPRESENTS THAT THEY HAVE DETERMINED & VERIFIED FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, CATALOG NUMBERS, & SIMILAR DATA AND THAT EACH SUBMITTAL HAS BEEN CHECKED AND COORDINATED WITH CONTRACT REQUIREMENTS. REVIEW OF SHOP DRAWINGS BY ARTFUL ENVIRONMENT SHALL BE FOR DESIGN CONCEPT ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE ACCURACY OF SHOP DRAWINGS, PROPER FITTINGS, COORDINATION OF WORK, CONSTRUCTION TECHNIQUES, MATERIALS, AND WORK REQUIRED BY CONTRACT DOCUMENTS.
- ALL CONCEALED SURFACES SHALL BE MELAMINE, DECOLAM OR APPROVED EQUAL LOW-PRESSURE LAMINATE, U.O.N. ON DRAWINGS. COLOR: WHITE.
- CABINET HARDWARE: MOCKETT "DIP" DRAWER PULLS, W/ SATIN NICKEL FINISH. INSTALL PULLS AS SHOWN ON ELEVATIONS. DETAILS MAY VARY.
 - DRAWERS & LOCKER DOOR: DP303C, 6.69" OA LENGTH (DP303C-17S)
 - DOORS: DP303A-17S 3.125" OA LENGTH
- DRAWER BOXES SHALL FILL 95% OF CAVITY & EXTEND TO NO LESS THAN 2" FROM BACK OF CABINET. DRAWER SLIDES SHALL BE ACCURIDE MODEL #3132SC, OR EQUAL BALL BEARING TYPE. DRAWER SLIDES MUST BE RATED FOR 100 LB. LOAD & FULL EXTENSION.
- FILE DRAWER SLIDES SHALL BE ACCURIDE MODEL #3832SC, FULL EXTENSION AND RATED FOR 100 LBS. FILE DRAWERS SHALL ACCOMMODATE PENDAFLEX HANGING FOLDERS AND FULL DESIGN WEIGHT CAPACITY WITH ACCURIDE SUSPENSION.
- PROVIDE SOFT CLOSE HINGES AND SLIDES ON ALL MILLWORK DRAWERS AND DOORS.

MILLWORK FINISH SCHEDULE

PL 1	PLASTIC LAMINATE MANUFACTURER: WILSONART 2015-38 NORDIC LINEN FINISH: FINE VELVET TYP: VERTICAL FACES OF CABINETS
PL 2	PLASTIC LAMINATE MANUFACTURER: WILSONART D378-69 INDIGO FINISH: MATTE TYP: COUNTERS AND BACK SPLASHES, "LOCKER" DRAWER FACES

DRAWING TITLE:

INTERIOR AND MILLWORK
ELEVATIONS & DETAILS

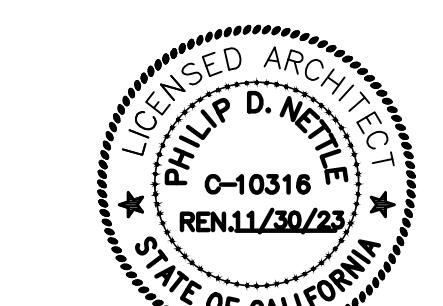
DRAWING NO.:

A4.1

SCALE: AS NOTED



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LIC. C-10316 EXPY 10/2023
526 Shorebird Circle #16105
Redwood City, CA 94065

Philip D. Nettle

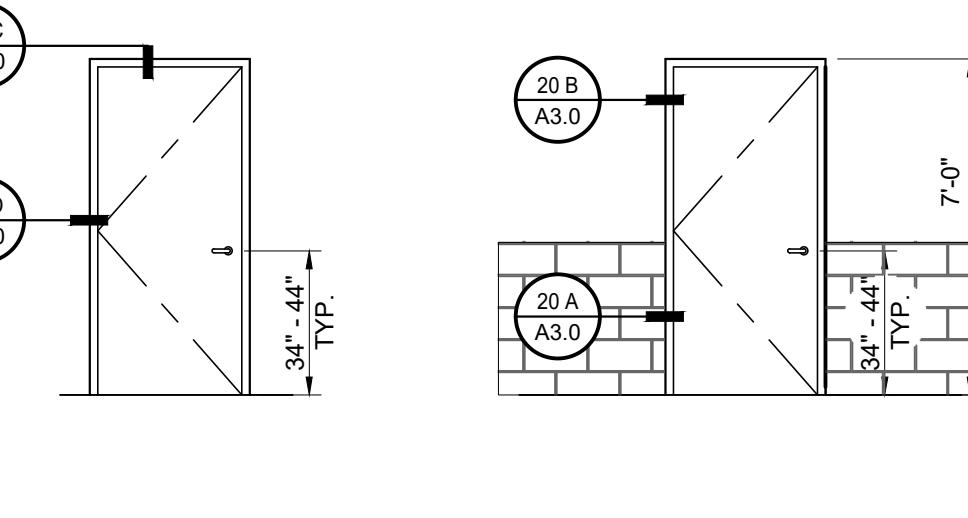
MORGAN HILL POLICE
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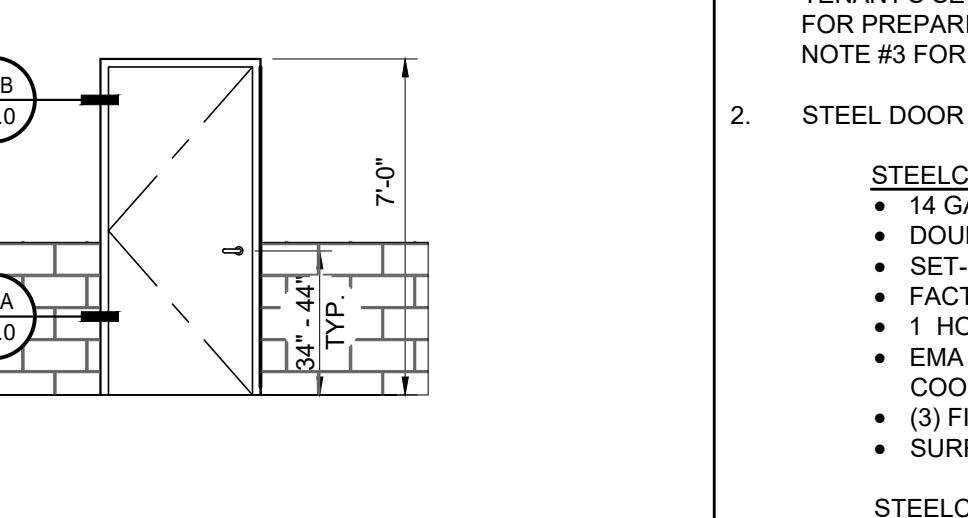
10/06/2023 SUBMIT FOR PLAN CHECK

DOOR NO.	ROOM NO.	ROOM NAME	FIRE RATING	SIZE (W X H X THK)	DOOR TYPE	DOOR MAT'L.	FRAME	HDWR. GROUP	REMARKS
103-1	103	OPEN OFFICE	NONE	3'-0"X7'-0"X1-3/4"	A	SOLID CORE	CLR. ANOD. AL	(E)	REUSE EXISTING DOOR & HARDWARE; CLEAN AND PREP DOOR FOR A NEW FINISHED LOOK
103-2	103-F	VESTIBULE	60 MIN	3'-6"X7'-0"X1-3/4"	B	STEEL	H.M.	B5	SEE DOOR NOTES #2 AND DETAIL 20/A.3 FOR SPECIFIC INSTRUCTIONS
108-1	108	OPEN OFFICE	NONE	3'-0"X7'-0"X1-3/4"	A	SOLID CORE	CLR. ANOD. AL	A2	MATCH EXISTING BUILDING STANDARD FLUSH FINISH BIRCH VENEER

17 DOOR SCHEDULE
N.T.S.



TYPE "A"



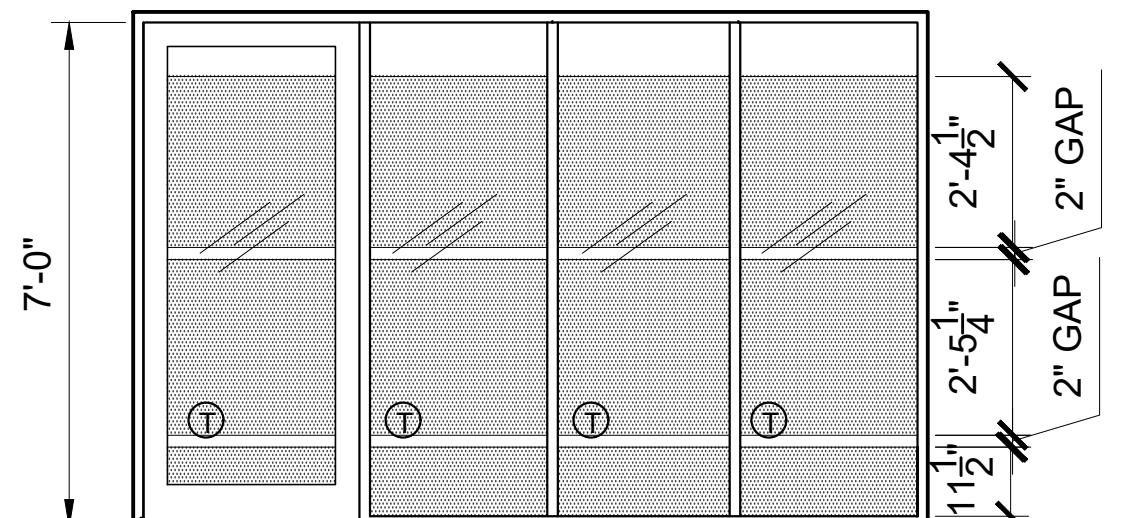
TYPE "B"

DOOR & HARDWARE NOTES

- WHERE CARD READERS OCCUR, THE GENERAL CONTRACTOR SHALL COORDINATE WITH TENANTS SECURITY VENDOR (WEST COAST SECURITY, INC.) AS THEY MAY BE RESPONSIBLE FOR PREPARING CERTAIN DOORS TO RECEIVE ELECTRIFIED HARDWARE COMPONENTS. SEE NOTE #3 FOR EGRESS REQUIREMENTS.
- STEEL DOOR SPECIFICATION (OR EQUAL PRODUCTS OF REPUBLIC, CURRIES)
 - 14 GAUGE GALVANIZED STEEL
 - DOOR THICKNESS
 - SET-UP AND WELDED
 - FACTORY PREPARATION AND REINFORCEMENT FOR COMMERCIAL HARDWARE
 - 1 HOUR FIRE RATED
 - EMA ANCHOR, CULM AND STANDARD LOCK IN JAMB ANCHOR AT METAL STUD. COORDINATE WITH ARCHITECT AND MANUFACTURER PRIOR TO ORDER.
 - (3) FIELD INSTALLED SILENCERS.
 - SURFACE APPLIED WEATHERSTRIP
- STEEL CRAFT MU (MULTI USE) SERIES FRAME
 - 16 GAUGE GALVANIZED STEEL
 - 1-3/4" THICK
 - FACTORY PREPARATION AND REINFORCEMENTS FOR COMMERCIAL HARDWARE
 - POLYSTYRENE CORE
 - .75 HOUR FIRE RATING
- ARTFUL ENVIRONMENT SHALL NOT BE RESPONSIBLE FOR DOOR HARDWARE CODE COMPLIANCE OUTSIDE THIS AREA OF WORK.
- DOOR OPERATIONS: EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT PER 2022 CBC SEC. 1010.1.9
- ALL DOORS, FRAMES AND HARDWARE SHALL BE FIRE-RATED ASSEMBLIES WITH APPROVED LABELS WHERE SPECIFIED ON PLANS AND/OR DOOR SCHEDULE. ALL 20-MINUTE OR GREATER FIRE-RATED ASSEMBLIES SHALL HAVE AN "S" LABEL PER 2022 CBC SEC. 716.2.1.1 & 716.2.9.1
- IN FIRE RATED ASSEMBLIES ASSURE THAT ROUGH OPENINGS BETWEEN WALLS IS PLUMB, SQUARE AND PROPERLY SIZED TO FIT OVERALL FRAME DIMENSIONS AND EXPANSION CAPABILITY OF INTUMESCENT CAULK OR SEALANT. SEE ALSO 20/A.3.
- DOORS SHALL BE PRE-FINISHED SOLID CORE WOOD FLUSH DOORS UNLESS NOTED OTHERWISE. FINISH AND VENEER SHALL BE AS REQUIRED PER DOOR SCHEDULE, AND AS NOTED BELOW.
- CONTRACTOR SHALL COORDINATE THE FITTING OF ALL DOORS PER THE SPECIFICATIONS ONCE THE FINISH FLOOR HAS BEEN INSTALLED.
- UNDERCUT DOORS SO THAT THE BOTTOM OF THE DOOR IS 1/4"-3/8" A.F.F.
- COORDINATE DOOR FRAME THROAT DIMENSION WITH PARTITION WIDTH, INCLUDING THE DEPTH OF ANY APPLIED FINISHES AND EXTRA LAYERS OF GYP. BOARD. FIELD MEASURE OPENINGS TO ASSURE PROPER FIT.
- INSTALL DOORS COMPLETE WITH HARDWARE, FITTINGS, & ACCESSORIES, WHETHER SPECIFIED OR NOT, THAT ARE REQUIRED FOR THE PROPER OPERATION OF THE SPECIFIC OPENINGS, TO MAINTAIN THE SPECIFIED FIRE-RATED ASSEMBLY & TO MEET CURRENT ACCESSIBILITY REQUIREMENTS.
- COORDINATE ALL LOCKING, LATCHING, AND KEYING REQUIREMENTS FOR THE BUILDING USE & SECURITY WITH THE TENANT REPRESENTATIVE PRIOR TO ORDERING AND INSTALLING HARDWARE.
- INSTALL HARDWARE ACCORDING TO MANUFACTURER'S STANDARDS AND REQUIREMENTS.
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE THE FLOOR PER 2022 CBC SEC. 1010.1.9.2.
- MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 15 LBS. FOR FIRE DOORS, 5 LBS. FOR EXTERIOR DOORS AND 6 LBS. FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS PER 2022 CBC SEC. 1010.1.3.
- TEST AND ADJUST DOORS FOR SMOOTH, QUIET OPERATION.
- TOUCH-UP AND REPAIR ALL IMPERFECTIONS IN METAL FRAMES.

DOOR, FRAME AND HARDWARE FINISHES SHALL MATCH EXISTING AS FOLLOWS:
INTERIOR DOORS: FLUSH BIRCH VENEER
FRAMES: CLEAR ANODIZED ALUMINUM
HARDWARE: SCHLAGE RHODES

4 HARDWARE GROUPS
N.T.S.



7'-0"

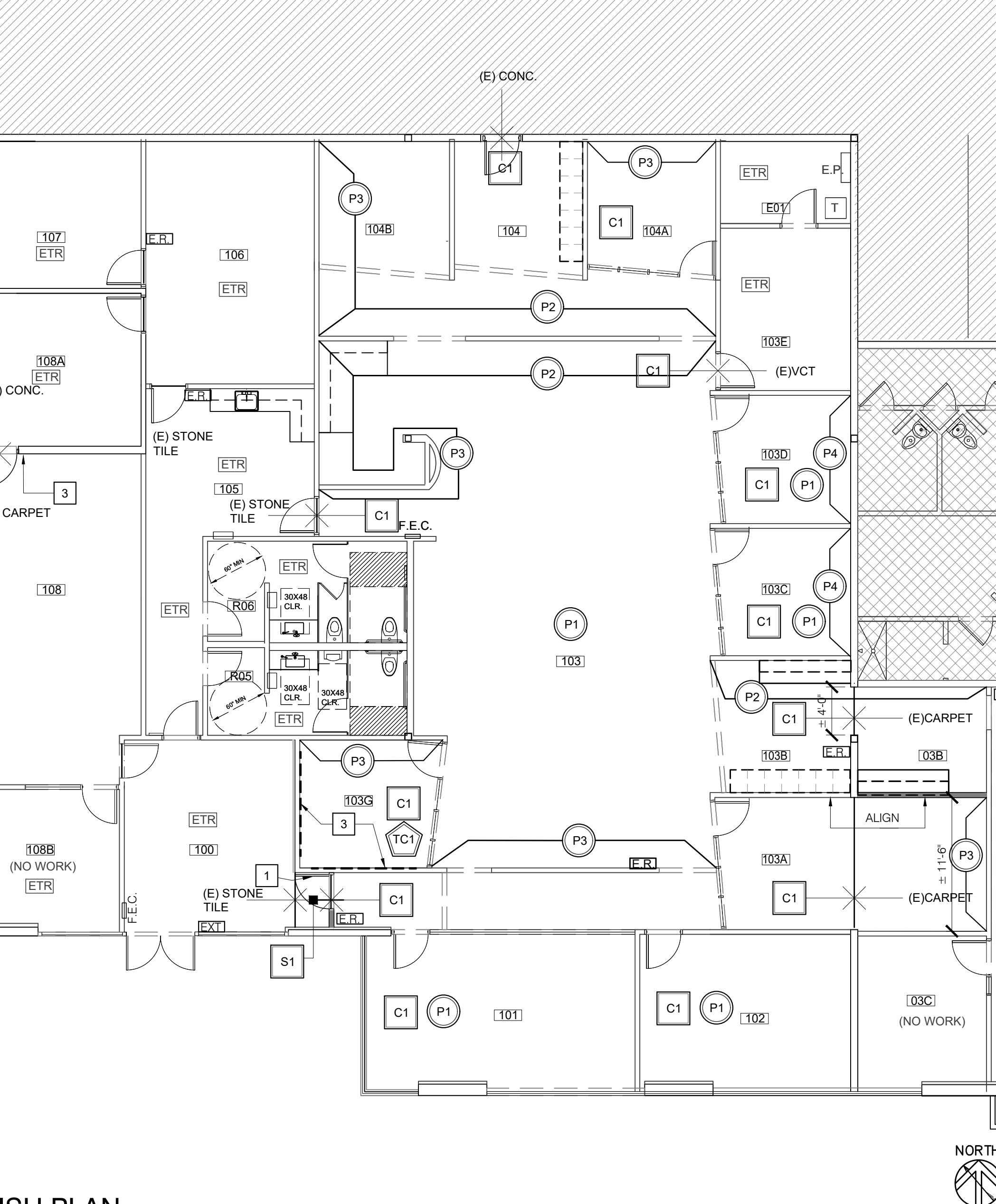
2'-4" 2' GAP

2'-5 1/2" 2' GAP

11 1/2"

2 WINDOW FILM ELEVATION, TYP.
SCALE: 1/8" = 1'-0"

1 FINISH PLAN



NORTH

FINISH SCHEDULE

RM NO.	RM. NAME	WALL FINISH				FLOOR	CEILING HT	CEILING	NOTES:
		N	W	S	E				
038	CIRC/STORAGE	P2	P1	P1	<E>	9'	<E>		
100	ENTR/WAITING	P1	P1	P1	<E>/S1*	9'	<E>		*APPROX 13 SF
101	CONFERENCE	P1	P1	P1	C1	9'	<E>		
102	OFFICE	P1	P1	P1	C1	9'	<E>		
103	OPEN OFFICE	P2	P1/P3	P3	P1	C1	9'-8"	<E>	
103A	WORK AREA	P1	P1	P3	C1	9'	<E>		
103B	CIRC/STORAGE	P2	P1	P1	P1/P2	C1	9'	<E>	HEADER OF FORMER WINDOW WALL P1
103C	OFFICE	P1	P1	P1	P3	C1	9'	<E>	
103D	OFFICE	P1	P1	P1	P3	C1	9'	<E>	
103E	SERVER	<E>	<E>	<E>	<E>	9'	<E>		
103G	INTERVIEW	P3	P1	P1	P1	C1	9'	TC1	
104	VESTIBULE/STORAGE	P1	P1	P2	P1	C1	9'	<E>	HEADER OF FORMER WINDOW WALL P1
104A	OFFICE	P3	P2	P1	P1	C1	9'	<E>	
104B	OFFICE	P1	P3	P2	P1	C1	9'	<E>	HEADER OF FORMER WINDOW WALL P1
105	BREAK	<E>	<E>	<E>	<E>	9'	<E>		
106	CONF	<E>	<E>	<E>	<E>	9'	<E>		
107	ENTRY/OFFICE	<E>	<E>	<E>	<E>	9'	<E>		
108	OPEN OFFICE	P1	<E>	<E>	<E>	9'	<E>		
108A	STORAGE	<E>	<E>	<E>	<E>	9'	<E>		
108B	OFFICE	<E>	<E>	<E>	<E>	9'	<E>		
109	MENS	<E>	<E>	<E>	<E>	8'	<E>		
ROS									

FINISH LEGEND

FLOOR FINISHES:

- C1: GENERAL CARPET TILE
MANUFACTURER: MANNINGTON COMMERCIAL
STYLE: NAME 34411
COLOR: PLASMA EFFECT
SIZE: 24" X 24"
- S1: SLATE TILE
MANUFACTURER: STYLE NAME
COLOR: TO MATCH EXISTING
SIZE: 12" X 12"
- TC1: CEILING:
HIGH NRC CEILING TILE
MANUFACTURER: ARMSTRONG
ARMSTRONG 1754 HIGH NRC
SIZE: 24" X 24"

WALL FINISHES:

- P1: GENERAL PAINT
MANUFACTURER: COLOR: BLDG. STANDARD
LOCATION: THROUGHOUT, U.O.N.
- P2: ACCENT PAINT
MANUFACTURER: KELLY-MOORE
COLOR: KM5102 ELECTRIC SLIDE*
LOCATION: AS NOTED ON PLANS
- P3: ACCENT PAINT
MANUFACTURER: KELLY-MOORE
COLOR: KM5101 LONDON SQUARE*
LOCATION: AS NOTED ON PLANS
- ETR: EXISTING TO REMAIN (NO FINISH WORK)

CEILING:

- TC1: HIGH NRC CEILING TILE
MANUFACTURER: ARMSTRONG
ARMSTRONG 1754 HIGH NRC
SIZE: 24" X 24"
- EDGES OF (SQUARE LAY IN)
COLOR: WHITE
LOCATION: RM# 103G INTERVIEW

KEY NOTES

1. RE-USE EXISTING HARDWARE. SECURITY CONTRACTOR SHALL PROVIDE UPGRADED HARDWARE FOR CARDREADER. PROVIDE NEW DOOR STOP IF NEEDED.
2. SUITE EXISTING FINISHES ARE EXISTING AND SHALL REMAIN. ROOM 108 SHALL BE LIMITED TO PATCH AND REPAIR WORK ON THE WALL OF THE NEW DOOR ONLY. PROVIDE TRANSITION BETWEEN EXISTING CARPET AND EXISTING CONCRETE FLOOR IN STORAGE AREA.
3. PROVIDE AND INSTALL (8) 30" W X 48" H X 1" THK, "ECO-CORE" FABRIC WRAPPED ACOUSTIC PANELS NOTED AS "FWP" ON FINISH SCHEDULE. SEE DETAIL 8/A.2. CONTACT: WEST GENERAL ACOUSTICS; SHARON SULLIVAN (408)255-8644. FABRIC BASIX60 B60539 COLOR "BLEU PAPIER".

SHEET NOTES

1. CARPET MATERIAL ESTIMATE: INCLUDE STOCK ON HAND: 34 BOXES AT 8.22 S.Y. EA. COORDINATE AMOUNT OF STOCK TO REMAIN ON HAND FOR PATCH AND REPAIR.
2. STONE FLOORING SHALL BE TREATED WITH SLIP TECH SEALER. SUBMIT TREATED SAMPLES TO ARTFUL ENVIRONMENT FOR APPROVAL.
3. FLOAT SUBFLOOR WITH ARDEX K 55 MICROTEC, SELF-LEVELING UNDERLAYMENT OR EQUAL AS NECESSARY TO PROPERLY INSTALL LARGE TILES PER MANUFACTURER'S INSTRUCTIONS. THIN SET TILE OVER CRACK ISOLATION MEMBRANE.
4. PROVIDE ARDEX K 55 MICROTEC, SELF-LEVELING UNDERLAYMENT OR EQUAL TO RAMP FLOOR FOR A SMOOTH, GRADUAL TRANSITION BETWEEN TILE AND CARPET, TYP.
5. INSTALL TRANSITION STRIP WHERE TRANSITIONS OCCUR BETWEEN TWO DIFFERENT FLOOR FINISHES. SEE 19/A-501.
6. FLOOR COVERING TRANSITIONS AT DOOR OPENINGS SHALL OCCUR BELOW DOOR IN CLOSED POSITION.
7. INSTALLATION OF ALL FINISH MATERIALS SHALL COMPLY WITH MANUFACTURERS RECOMMENDED INSTALLATION INSTRUCTIONS.
8. ALL PARTITIONS, & EXTERIOR WALLS SHALL RECEIVE RESILIENT BASE U.O.N. INSTALL COVED TOP SET BASE AT ROOMS WITH RESILIENT FLOOR COVERING, STRAIGHT CARPET SET BASE AT CARPETED AREAS.
9. PROVIDE 1/8" MAXIMUM GROUT JOINTS AT STONE TILE, U.O.N.
10. PAINT ALL EXISTING PAINT GRADE DOORS & FRAMES WITH NEW SEMI-GLOSS ENAMEL PAINT. COLOR SHALL MATCH ADJACENT WALL, U.O.N.
11. PAINT ALL NEW CONSTRUCTION. TOUCH UP EXISTING AS REQUIRED (PAINT ENTIRE WALL SURFACE). WALL TEXTURE & PAINT FINISH SHALL MATCH EXISTING.
12. PROVIDE NEW PAINT THROUGHOUT SUITE 100 AS SCHEDULED. SUITE 150 LIMITED TO CONSTRUCTION AREA.

GENERAL FINISH NOTES

1. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
2. REPAIR & PREPARE EXISTING SURFACES SHOWN TO REMAIN AS REQ'D. FOR APPLICATION OF NEW FINISHES.
3. PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.
4. IN ALL AREAS WHERE DEMOLITION/REMOVAL OF TILE, PARTITIONS, ETC. CAUSES AN UNEVENNESS IN THE SLAB, THE CONTRACTOR SHALL PATCH TO LEVEL THE SLAB TO RECEIVE NEW FINISH FLOORING.
5. COMMENCEMENT OF WORK BY CONTRACTOR SHALL INDICATE ACCEPTANCE OF EXISTING CONDITIONS FOR INSTALLATION OF NEW FINISH MATERIALS.
6. ALL ACCESS PLATES, PANEL BOXES, ETC. SHALL BE PAINTED TO MATCH ADJACENT WALL. IF ADJACENT WALL IS FINISHED WITH WALL COVERING, PAINT SHALL BE SPECIFIED BY ARTFUL ENVIRONMENT.
7. ALL TRANSITIONS BETWEEN MATERIALS SHALL BE SMOOTH.
8. ALL FINISH MATERIALS SHALL BE SUBMITTED TO ARTFUL ENVIRONMENT FOR APPROVAL PRIOR TO PURCHASE OF MATERIALS. CONTRACTOR SHALL SUBMIT A MINIMUM OF (2) SAMPLES OF EACH MATERIAL FOR APPROVAL INCLUDING STAIR ACCENT STRIP FINISH MATERIAL. WHERE CERAMIC OR NATURAL STONE TILES ARE SPECIFIED, SUBMITTAL SAMPLES SHALL BE FULL-SIZED SAMPLES TO MATCH THE SIZE SPECIFIED ON THE DRAWINGS.
9. ALL WALL AND CEILING FINISHES SHALL COMPLY WITH 2022 CBC SEC. 803. ALL FLOOR FINISHES SHALL COMPLY WITH 2022 CBC SEC. 804. ALL DECORATIVE TRIM SHALL COMPLY WITH 2022 CBC SEC. 806.
10. ALL CARPET SHALL COMPLY WITH 2022 CBC SECTION 11B-302.
11. ALL CARPET TESTING SHALL MEET NFPA 253 TESTING, CLASS I OR II & ASTM E648.
12. ALL WOOD AND RUBBER BASE TESTING SHALL MEET ASTM E84, CLASS B & <450 SMOKE DEVELOPMENT REQUIREMENTS.
13. ALL WALLCOVERING (ADHERED) INCLUDING FRP PANELS SHALL MEET NFPA 286 TESTING & SHALL BE CLASS "C" IN ROOMS & CORRIDORS.
14. VINYL WALL BASE SHALL NOT BE INSTALLED AT CASEWORK UNLESS SPECIFICALLY NOTED.
15. NATURAL AND STAIN GRADE WOOD BASE SHALL BE IN LENGTHS NO LESS THAN 6' UNLESS REQUIRED BY LAYOUT. GRAIN, COLOR & TEXTURE SHALL MATCH AS CLOSELY AS POSSIBLE WITH ADJACENT BASE.
16. CONTRACTOR SHALL CONFIRM CARPET INSTALLATION DIRECTION WITH ARTFUL ENVIRONMENT PRIOR TO INSTALLATION FOR DIRECTIONAL & PATTERNED CARPET.
17. MAX. VERTICAL CHANGE IN FINISH FLOOR LEVEL SHALL BE 1/4" OR W/ BEVELED CHANGE IN LEVEL, LESS THAN 3".
18. FLOOR & GROUND SURFACES SHALL BE STABLE, FIRM, & SLIP-RESISTENT. (2022 CBC 11B-302).
19. CONTRACTOR SHALL FURNISH AN ADDITIONAL 5% MIN. OF SPECIFIED CARPET TILE UPON PROJECT COMPLETION FOR THE TENANT. MATERIAL SHALL BE FROM THE SAME PRODUCTION RUN AS THE INSTALLED PRODUCT AND SHALL BE PACKAGED WITH IDENTIFYING LABELS.
20. PAINT FINISHES SHALL BE AS FOLLOWS, U.O.N.:
FLAT: GYP. BD. SOFFITS, GYP. BD. CEILINGS (EXCEPT RESTROOMS), OPEN CLG. STRUCTURE, CAP SHEETS
EGGHELL: ALL WALLS U.O.N.
SEMI GLOSS: PAINTED STAIR RAILS, RESTROOM WALLS & CEILINGS, JANITOR CLOSETS, PAINT GRADE DOORS & FRAMES, EXPOSED STEEL K-BRACING AND COLUMNS

DRAWING TITLE:
FINISH PLAN & DOOR SCHEDULE

DRAWING NO.:
A5.0

SCALE: AS NOTED

2301-A70-FINISH PLAN DWG

XREF FILES:



ARTFUL ENVIRONMENT, LLC

2782 Plummer Ave,
San Jose, CA 95125
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Phillip D. Nettle

MORGAN HILL POLICE
DEPARTMENT EXPANSION16200 VINEYARD BLVD.
MORGAN HILL, CA 95037

10/06/2023 SUBMIT FOR PLAN CHECK

REFERENCE SPECIFICATIONS (AS APPLIES)

A. GENERAL CONDITIONS

1. THE GENERAL CONDITIONS OF THE CONTRACT FOR THE CONSTRUCTION OF BUILDINGS, THE MOST CURRENT DOCUMENT A-201, ISSUED BY THE AMERICAN INSTITUTE OF ARCHITECTS, HERINAFTER REFERRED TO AS THE 'GENERAL CONDITIONS' RELATES TO THE WORK OF THIS PROJECT AND IS HEREBY MADE A PART OF THE CONTRACT AS THOUGH FULLY CONTAINED IN THESE SPECIFICATIONS.

2. THE CONTRACTOR AND ALL SUBCONTRACTORS ARE HEREBY SPECIFICALLY DIRECTED AS A CONDITION OF THE CONTRACT, TO OBTAIN THE NECESSARY NUMBER OF COPIES OF DOCUMENT A-201, TO ACQUAINT THEMSELVES WITH THE ARTICLES CONTAINED THEREIN, AND TO NOTIFY AND APPRAISE ANY OTHER PARTIES TO THE CONTRACT OF INDIVIDUALS OF AGENCIES ENGAGED ON THE WORK, AS TO ITS CONCEPTS.

B. SUPPLEMENTARY GENERAL CONDITIONS

1. CONTRACT DOCUMENTS, INCLUDE THE ARCHITECT'S DRAWINGS, SPECIFICATIONS, GENERAL CONDITIONS, AGREEMENT (BUILDING CONTRACT) AND ALL ADDENDA, THEY ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ANY ONE SHALL BE AS BINDING AS IF CALLED FOR BY ALL. THEIR INTENTION IS TO INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR THE PROPER EXECUTION OF THE WORK, EXCEPT AS MAY BE SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS OR FOR WHICH SEPARATE PRICES MAY BE ASKED IN THE BID PROPOSAL. THE TERM 'CONTRACTOR' USED HEREIN REFERS TO ANY AND ALL SUBCONTRACTORS.

2. REGULATION, TAXES, AND PERMITS: THE WHOLE OF THE WORK IS TO BE EXECUTED IN STRICT ACCORDANCE WITH THE REGULATIONS AND CODES OF THE GOVERNMENTAL AGENCIES WHOSE JURISDICTIONS ARE APPLICABLE. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED PERMITS, INCLUDING BUILDING PERMIT AT OWNER'S EXPENSE.

3. SUBCONTRACTORS: DIVISION OF THESE SPECIFICATIONS INTO TRADE HEADINGS CONFORMS ROUGHLY TO CUSTOMARY PRACTICE. THEY ARE FOR CONVENIENCE ONLY. THE ARCHITECT IS NOT BOUND TO DEFINE THE LIMITS OF ANY SUBCONTRACT.

4. NUMBER OF SPECIFIED ITEMS REQUIRED: WHEREVER IN THESE SPECIFICATIONS AN ARTICLE, DEVICE OR PIECE OF EQUIPMENT IS REFERRED TO IN THE SINGULAR NUMBER, SUCH REFERENCES SHALL APPLY TO AS MANY SUCH ARTICLES AS ARE SHOWN IN THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION.

5. CLAIMS FOR EXTRA COSTS: IF ANY CONTRACTOR CLAIMS THAT ANY INSTRUCTIONS FROM THE ARCHITECT OR OWNER INVOLVED AN EXTRA COST UNDER THIS CONTRACT, HE SHALL GIVE WRITTEN NOTICE THEREOF AND THE RECEIPT OF SUCH INSTRUCTIONS, NO LATER THAN 5 DAYS THEREAFTER, AND, IN ANY EVENT, BEFORE PROCEEDING TO EXECUTE THE WORK, EXCEPT IN EMERGENCY ENDANGERING LIFE OR PROPERTY, AND THE PROCEDURE SHALL, THEN BE AS PROVIDED FOR CHANGES IN THE WORK. NO SUCH CLAIM SHALL BE VALID UNLESS SO MADE.

6. AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS: THIS SPECIFICATION AND THE ACCOMPANYING DRAWINGS ARE INTENDED TO DESCRIBE AND PROVIDE FOR A FINISH PIECE OF WORK. THEY ARE NOT BE COOPERATIVE, AND THE CONTRACTOR SHALL UNDERSTAND THAT THE WORK HEREIN DESCRIBED WILL BE COMPLETE IN EVERY DETAIL, INCLUDING EVERY ITEM NECESSARILY INVOLVED THOUGH NOT SPECIFICALLY MENTIONED. THE CONTRACTOR WILL BE HELD TO PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR THE ENTIRE COMPLETION OF THE WORK INTENDED TO BE DESCRIBED. THE CONTRACTORS SHALL NOT AVOID THEMSELVES OF ANY MANIFESTLY UNINTENTIONAL ERROR OR OMISSION SHOULD SUCH ERROR OR OMISSION EXIST. SHOULD AN ERROR OR INCONSISTENCY APPEAR IN THE DRAWINGS OF SPECIFICATIONS OR IN WORK DONE BY OTHERS, THE CONTRACTOR SHALL BEFORE PROCEEDING WITH THE WORK, CONTACT THE ARCHITECT OR INSTRUCTIONS AS TO THE PROPER ADJUSTMENT AND IN NO CASE SHALL THE CONTRACTOR PROCEED WITH THE WORK IN UNCERTAINTY.

7. WORKING OF SPECIFICATIONS: THESE SPECIFICATIONS ARE WRITTEN IN THE ABBREVIATED OR 'STREAMLINE' FORM, AND FREQUENTLY INCLUDE INCOMPLETE SENTENCES. WORDS SUCH AS 'SUPPLIED' ARE INTENDED TO MEAN 'FURNISHED AND PROVIDED'. THE WORD 'ACCEPTED' MEANS 'ACCEPTED BY THE ARCHITECT'. 'FOR ACCEPTANCE' MEANS 'FOR THE ARCHITECT'S ACCEPTANCE'. 'SELECTED' MEANS 'SELECTED BY THE ARCHITECT'. 'PROVIDE' MEANS 'FURNISH AND INSTALL'. WHERE THE WORDS 'EQUIVALENT TO' 'ACCEPTED EQUAL' OR 'EQUAL' APPEAR, THE ARCHITECT IS THE SOLE JUDGE OF THE QUALITY AND SUITABILITY OF THE PROPOSED SUBSTITUTION.

8. ORAL MODIFICATION: NO ORAL STATEMENT OF ANY PERSON WHOMSOEVER SHALL IN ANY MANNER OR DEGREE MODIFY OR OTHERWISE AFFECT THE TERMS OF THIS CONTRACT, NEITHER THE DELAYS, ANY LIABILITY ARISING FROM ANY ORAL AGREEMENTS, ACCEPTANCES MODIFICATIONS, OR CONVERSATIONS BETWEEN THE OWNER OR ARCHITECT INCLUDING THEIR AGENTS OR REPRESENTATIVES, AND THE CONTRACTOR, INCLUDING HIS WORKMEN, SUBCONTRACTORS, SUPPLIERS, AGENTS OR REPRESENTATIVES.

9. GUARANTEE:

GUARANTEE, IN ADDITION TO THE GUARANTEES REQUIRED IN THE 'GENERAL CONDITIONS', ALL WORKMANSHIP, EQUIPMENT AND MATERIALS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. SHOULD ANY DEFECTS OCCUR DURING THIS PERIOD, PROMPTLY REPAIR OR REPLACE THE DEFECTIVE ITEM FREE OF CHARGE TO THE OWNER, INCLUDING COST OF LABOR BASED UPON NORMAL WORKING HOURS.

10. SAFETY AND INDEMNITY:

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING, MAINTAINING AND SUPERVISING ALL NECESSARY SAFETY PRECAUTIONS WHICH WILL INSURE AGAINST INJURY TO PERSONS OR DAMAGE TO PROPERTY AS A RESULT OF ANY OF HIS WORK, TOOLS, OR EQUIPMENT ON OR OFF THE PROJECT, BEFORE, DURING OR AFTER NORMAL WORKING HOURS. NO DRAWING REVIEW CONSTRUCTION REVIEW, OR ANY OTHER ACT OR SERVICE RENDERED BY THE OWNER, ARCHITECT, THEIR EMPLOYEES OR CONSULTANTS, SHALL BE CONSTRUED TO APPROVE OR JUDGE UPON THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.

B. THE CONTRACTOR SHALL HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, ARCHITECT, THEIR EMPLOYEES AND CONSULTANTS FROM ANY AND ALL LIABILITY CLAIMS, LOSSES OR DAMAGE ARISING OR ALLEGED TO ARISE FROM THE PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, THEIR EMPLOYEES OR CONSULTANTS.

C. TECHNICAL SPECIFICATIONS

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01010 - SUMMARY OF WORK:

A. SCOPE: WORK OF THIS CONTRACT INCLUDES FURNISHING OF LABOR, MATERIALS, APPLIANCES, TRANSPORTATION AND SERVICES REQUIRED TO COMPLETE BUILDING, INCLUDING SITE WORK, PAVING, GENERAL CONSTRUCTION, PLUMBING, AND ELECTRICAL WORK, COMPLETE AND ALL OTHER WORK CALLED FOR IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. ITEMS OF WORK INDICATED OR SPECIFIED N.I.C. ARE FURNISHED BY OWNER OR OTHERS.

B. REFERENCE TO BUILDING CODE: WHENEVER THE TERM 'BUILDING CODE' OR 'CODE' IS USED IN SPECIFICATIONS, SAID TERMS MEAN THE LATEST EDITION OF THE UNIFORM BUILDING CODE AND/OR TO CODES OF GOVERNMENT AGENCIES AS MAY HAVE JURISDICTION PRESENTLY ENFORCED.

C. PRODUCT DELIVERY, STORAGE, AND HANDLING: MATERIAL AND PRODUCTS SHALL BE DELIVERED TO THE BUILDING SITE IN ORIGINAL PACKAGES. MATERIALS AND PRODUCTS SHALL BE STORED OFF THE GROUND ON WOOD BLOCKING IN AN UPRIGHT POSITION PROTECTED FROM THE ELEMENTS, IN A MANNER TO PREVENT DAMAGE OR MARRING OF FINISH.

D. OTHER CONTRACTORS: THERE IS RESERVED TO THE OWNER THE RIGHT TO HAVE OTHER CONTRACTORS INSTALLING EQUIPMENT AND DOING OTHER WORK BEFORE COMPLETION OF THE PROJECT. ALL PARTIES SHALL COORDINATE THEIR PLANS AND SUPERVISIONS TO THE END THAT THE WORK SHALL NOT BE MATERIALLY IMPEDED THEREBY.

E. GUARANTOR: CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE OR REMEDY ANY FAULTY, IMPROPER OR INTERIOR MATERIALS OR WORKMANSHIP OR DAMAGE TO OTHER WORK RESULTING THEREFROM, WITHOUT COST TO OWNER, WHICH SHALL APPEAR WITHIN ONE YEAR AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK UNDER THIS CONTRACT. EXCEPT FOR THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT, CONSIDERED BY THE CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATERTIGHT CONDITION FOR A PERIOD OF TWO YEARS.

SECTION 01300 - SUBMITTALS

A. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

B. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

C. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

D. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

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Y. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

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AA. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

BB. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

CC. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

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EE. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

FF. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED SHOP DRAWINGS, CALCULATIONS OF FABRICATED PRODUCTS, AND 5 COPIES OF MANUFACTURER'S CATALOGS, BROCHURES, COLOR SAMPLES, INSTALLATION INSTRUCTIONS, ETC., ON MANUFACTURED PRODUCTS USED OR INSTALLED IN THE PROJECT FOR OWNER'S ACCEPTANCE BEFORE PURCHASE OR DELIVERY TO THE SITE. NONCOMPLIANCE MAY RESULT IN REJECTION AND NON-COMPLIANCE.

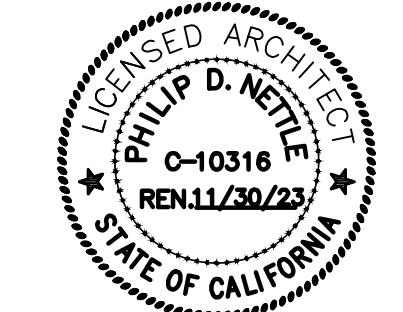
GG. CONTRACTOR SHALL SUBMIT 5 COPIES OF REQUIRED



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10/06/2023 SUBMIT FOR PLAN CHECK

SPECIFICATIONS CONTINUED

06200 FINISH CARPENTRY

1. GENERAL:

- a. CONSTRUCTION SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF "ARCHITECTURAL WOODWORK STANDARDS" BY THE ARCHITECTURAL WOODWORK INSTITUTE, UNLESS OTHERWISE NOTED. REFER TO DRAWINGS FOR REQUIREMENTS AS SHOWN IN SPECIFICATIONS WHICH EXCEDE REQUIREMENTS IN "ARCHITECTURAL WOODWORK STANDARDS" SHALL PREVAIL.
- b. PROVIDE NAILS, SCREWS, AND OTHER ANCHORING DEVICES OF TYPE, SIZE, MATERIAL, AND FINISH SUITABLE FOR INTENDED USE AND AS REQUIRED TO PROVIDE SECURE ATTACHMENT; CONCEALED WHERE POSSIBLE.
- c. USE FINE FINISHING NAILS, USG TRIM-HEAD SCREWS AT METAL FRAMING, COUNTERSUNK AND FILLED FLUSH WITH FINISH SURFACE.

07200 INSULATION

- 1. GENERAL: COMPLY WITH INSULATION MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. PROVIDE ADEQUATE ANCHORAGE OR SUPPORT FOR EACH UNIT.
- 2. MATERIALS: ACOUSTIC BATT, OWENS-CORNING "UNFACE" FIBERGLASS BUILDING INSULATION", 3-1/2" THICK, R-13, IN SPECIFIED WALLS, R-19 ABOVE CEILING WHERE SPECIFIED, U.O.N.

07900 SEALANTS AND CAULKING

GENERAL:

- 1. APPLY CAULKING WHERE NOTED "CAULK" ON DRAWINGS, IN JOINTS NOT LESS THAN 3/4" IN DEPTH AND 1/4" IN WIDTH, UNLESS OTHERWISE SHOWN.
- a. APPLY SILICONE GLAZING SEALANT WHERE NOTED "SEALANT" ON DRAWING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- APPLY "ACOUSTICAL SEALANT" WHERE INDICATED ON DRAWINGS.
- 2. MATERIALS:
 - a. GLAZING SEALANT: BUTYL BASE; PECORA BUTYL RUBBER BC-150; PRC'S RUBBER CAULK 2000, OR APPROVED EQUAL; COLOR AS SHOWN. REFER TO DESIGN TEAM FROM MANUFACTURER'S STANDARD RANGE.
 - b. ACOUSTICAL SEALANT AND CAULK: NON-HARDENING, NON-SHRINKING, SYNTHETIC RUBBER TREMCO "ACRYLIC LATEX CAULK"; PECORA #AC-20, OR EQUAL.
 - c. FIRE CAULKING COMPOUND: AS INDICATED.
- 3. EXECUTION:
 - a. PROVIDE ACOUSTICAL SEALANT AT SOUND WALLS AT FLOOR, CORNER AND CEILING JOINTS AS INDICATED.
 - b. PROVIDE FIRE CAULKING AT ALL FIRE-RATED ASSEMBLIES AND PENETRATIONS PER UL LISTED AND APPROVED DETAILS.

08100 DOORS FRAMES

- 1. SCOPE OF WORK: FURNISH FACTORY FINISHED ALUMINUM FRAMES AND/OR FACTORY PRIMED STEEL FRAMES QUALITY ASSURANCE. CONFORM TO REQUIREMENTS OF ANSI/SDI 100.
- a. ACCEPT FRAMES ON SITE IN MANUFACTURER'S PACKAGING. INSPECT FOR DAMAGE.
- c. COORDINATE THE WORK WITH FRAME OPENING CONSTRUCTION, DOOR AND HARDWARE INSTALLATION.
- 2. REGULATORY REQUIREMENTS:
 - a. FIRE RATED FRAME CONSTRUCTION: CONFORM TO ASTM E152
 - b. INSTALLED FRAME ASSEMBLY: CONFORM TO NFPA 80 FOR FIRE RATED CLASS SAME AS FIRE DOOR.
- 3. MATERIALS:
 - a. PROVIDE DOOR FRAMES AND SIDELIGHTS AS INDICATED ON DRAWINGS.
 - b. ACCEPTABLE PRODUCTS: BUILDING STANDARD TO MATCH EXISTING UNLESS NOTED OTHERWISE. SUBMIT FOR APPROVAL.
 - c. PREPARE NON-RATED HM FRAMES FOR SILENCERS. PROVIDE THREE SINGLE SILENCERS FOR SINGLE DOORS ON STRIKE SIDE.
 - d. PREPARE RATED FRAMES FOR SMOKE SEALS ON ALL FRAMES.
- 4. INSTALLATION:
 - a. INSTALL FRAMES IN ACCORDANCE WITH ANSI/SDI-100 AND DH, AND NFPA 80 FOR FIRE RATED FRAMES.
 - b. INSTALL, PLUMB & SQUARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED SPECIFICATIONS. SEE DRAWINGS FOR LAYOUT OF DOORS AND SIDELIGHTS.
 - c. COORDINATE INSTALLATION OF FRAMES WITH THE INTERIOR DRYWALL PARTITION CONTRACTOR.
 - d. ENSURE THAT FRAMES ARE SECURE AND RIGIDLY ANCHORED TO ADJACENT CONSTRUCTION.
 - e. AFTER INSTALLATION, TOUCH UP SCRATCHED OR DAMAGED SURFACES. USE PRIMER IDENTICAL TO THAT USED FOR SHOP COAT.

08113 HOLLOW METAL DOORS AND FRAMES

- PROVIDE STEELCRAFT MU (MULTI USE) SERIES FRAME
- 14 GAUGE GALVANNEALED STEEL
- DOUBLE RABBIT
- SET-UP AND WELDED
- FACTORY PREPARATION AND REINFORCEMENT FOR COMMERCIAL HARDWARE
- 1 HOUR FIRE RATED

EMA ANCHORS AT CMU AND STANDARD LOCK IN JAMB ANCHOR AT METAL STUD. COORDINATE W/ ARCHITECT AND MANUFACTURER PRIOR TO ORDER.

3 FIELD INSTALLED SILENCERS

- 16 GAUGE GALVANNEALED STEEL
- 1-3/4" THICK
- 1/4" HOLE SIZE
- OPTIONAL POLYSTYRENE CORE
- 1/4" HOUR FIRE RATING

OR EQUAL PRODUCTS OF REPUBLIC, CURRIES

08211 FLUSH WOOD DOORS

- 2. GENERAL:
 - a. SECTION INCLUDES: STANDARDS FOR MANUFACTURING AND INSTALLING FLUSH WOOD DOORS WITH OVERLAY FACING, FIRE RATED AND NON-RATED.
 - b. COORDINATE THE WORK WITH DOOR OPENING CONSTRUCTION, DOOR FRAME AND DOOR HARDWARE INSTALLATION.
- 2. QUALITY ASSURANCE
 - a. PROVIDE DOORS MEETING OR EXCEEDING THE MINIMUM STANDARDS SET FORTH BY THE FOLLOWING ORGANIZATIONS UNLESS STANDARDS ARE MODIFIED OR EXCEEDED BY THIS SPECIFICATION:
 - i. ARCHITECTURAL WOODWORK INSTITUTE (AWI), ARCHITECTURAL WOOD WORK STANDARDS, SECTION 9, FOR CUSTOM GRADE.
 - ii. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
 - b. ALL DOORS SHALL BE THE PRODUCT OF THE SAME MANUFACTURER TO INSURE UNIFORMITY OF QUALITY AND APPEARANCE THROUGHOUT THE PROJECT.
- c. FIRE DOORS SHALL BEAR LABELS APPROVED BY UNDERWRITER LABORATORY OR WARNOCK-HERSEY INTERNATIONAL. ANY DISCREPANCIES BETWEEN THE DRAWINGS, THE PROCEDURES AND LIMITATIONS AS SET FORTH BY THESE TESTING AGENCIES SHALL BE BROUGHT TO THE DESIGN TEAM'S ATTENTION.
- d. PACKAGE, DELIVER AND STORE DOORS IN ACCORDANCE WITH WI REQUIREMENTS.
- e. PROTECT DOORS WITH MANUFACTURER'S PACKAGING. DO NOT STORE IN DAMP OR WET AREAS OR IN AREAS WHERE SUNLIGHT MIGHT BLEACH VENEER. SEAL TOP AND BOTTOM EDGES OF SITE FINISHED DOORS IF STORED MORE THAN ONE WEEK. BREAK SEAL

09300 CERAMIC/STONE TILE

- 1. GENERAL: SCOPE OF WORK: PROVIDE AND INSTALL CERAMIC/STONE FLOOR AND WALL TILE AS SPECIFIED ON PLANS.

a. FLOOR TILE INSTALLATION: PER CERAMIC TILE COUNCIL OF AMERICA, THIN SET, METHOD F-122-86 OR FULL MORTAR BED INSTALLATION PER DRAWINGS.

b. INSTALLATION PATTERN: CONFIRM MANUFACTURERS RECOMMENDED INSTALLATION PATTERN AND NOTIFY DESIGN TEAM OF CONFLICT PRIOR TO INSTALLATION.

c. FURNISH TRIM SHAPES AS REQUIRED; ANGLES, CORNERS, CAPS, ETC. FOR WALL OR COUNTER TILE.

d. SIZE, BASE, AND COLOR PER FINISH SCHEDULE

e. FLOOR TILE: CERAMIC TILE, PORCELAIN TYPE, SLIP RESISTANT.

f. PROVIDE SCHLUTER-SYSTEMS FOR: TRANSITIONS AT EDGES

09300 CERAMIC/STONE TILE

ON-SITE TO PERMIT VENTILATION.

3. REGULATORY REQUIREMENTS

- a. FIRE DOOR CONSTRUCTION: CONFORM TO NFPA 80 FOR FIRE RATED CLASS AS INDICATED.
- b. INSTALLED FIRE RATED DOOR ASSEMBLY: CONFORM TO NFPA 80 FOR FIRE RATED CLASS AS INDICATED.

4. WARRANTY

- a. INTERIOR SOLID-CORE FLUSH DOORS SHALL BE WARRANTED FOR (2) YEARS.
- b. INCLUDE COVERAGE FOR DELAMINATION OF FACING, WARPING BEYOND SPECIFIED INSTALLATION TOLERANCES, DEFECTIVE MATERIALS, AND TELEGRAPHING CORE CONSTRUCTION.
- c. INCLUDE ALL MATERIALS AND LABOR REQUIRED TO REPLACE DOORS, INCLUDING HANGING, AND REFINISHING.

5. PRODUCTS DOOR FACING

- a. PLASTIC LAMINATE FACING INTERIOR; FACTORY APPLIED: NEMA LD-3, GENERAL PURPOSE TYPE, 0.050 INCH THICK, MATT FINISH, PLASTIC LAMINATE PER DRAWINGS.
- b. HARDWOOD STILES WITH PLASTIC LAMINATE EDGES.

c. FLUSH VENEER: ARCHITECTURAL GRADE FOR TRANSPARENT FINISH. SEE DRAWINGS FOR WOOD SPECIES AND STAIN/FINISH.

d. FACING FOR PAINTED DOORS: PAINT GRADE BIRCH.

6. INSTALLATION

- a. INSTALL DOORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ACCORDING TO WI INSTALLATION REQUIREMENTS. REFER TO THE CONTRACT DOCUMENTS, SHOWING ARCHITECTURAL WOODWORK STANDARDS, SECTION 26, AND TECHNICAL BULLETIN A20-R. IF AT VARIANCE, MOST STRINGENT SHALL APPLY.
- b. INSTALL FIRE-RATED DOORS IN ACCORDANCE WITH NFPA 80 REQUIREMENTS.

c. TRIM NON-RATED DOOR WIDTH BY CUTTING EQUALLY ON BOTH JAMB EDGES.

d. TRIM FIRE DOOR HEIGHT AT BOTTOM EDGE ONLY, IN ACCORDANCE WITH FIRE RATING REQUIREMENTS.

e. PILOT DRILL SCREW AND BOLT HOLE.

f. MACHINE CUT FOR HARDWARE: CORE FOR HANDSETS AND CYLINDERS.

g. COORDINATE INSTALLATION OF DOORS WITH INSTALLATION OF FRAMES AND HARDWARE.

7. COORDINATE INSTALLATION OF GLASS AND GLAZING.

08700 HARDWARE

- 1. GENERAL: THIS SPECIFICATION IS INTENDED TO INCLUDE ALL FEATURES NOT LISTED AS STANDARD IN THE DRAWINGS.

a. THE CONTRACTOR WILL BE REQUIRED TO FURNISH COMPLETELY ALL FINISH HARDWARE, WHETHER OR NOT SPECIFICALLY NOTED IN THE DRAWINGS AND SPECIFICATIONS.

b. SUBMIT COMPLETE LIST OF ALL HARDWARE PROPOSED FOR USE, CROSS REFERENCE TO THE CONTRACT DOCUMENTS, SHOWING MANUFACTURER, MANUFACTURER'S NUMBER, AND FINISH TO ARTFUL ENVIRONMENT FOR APPROVAL PRIOR TO ORDER PRICING.

c. SEE DRAWINGS FOR LOCATION AND TYPE OF HARDWARE.

d. PROVIDE DOOR SILENCERS IN DOOR FRAMES, THREE PER SINGLE DOOR FRAME, FOUR PER DOUBLE FRAME.

e. UPON INSTALLATION, HARDWARE SHALL BE ADJUSTED FOR PROPER OPERATION, INCLUDING, BUT NOT LIMITED TO, DOOR CLOSERS, LOCKSETS, PASSAGE SETS, FLUSH BOLTS AND COORDINATORS.

f. KEYING SHALL BE AS DIRECTED BY THE FINISH HARDWARE SCHEDULE. UPON COMPLETION OF CONSTRUCTION, AS-BUILT KEYING INFORMATION SHALL BE FURNISHED IN ACCORDANCE WITH OWNERS HARDWARE SCHEDULE.

09250 INTERIOR PARTITIONS

- 1. GENERAL: COMPLY WITH THE FOLLOWING STANDARDS:

a. ANSI A97.1 STANDARD SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF WALLBOARD.

b. VERIFY ALL DIMENSIONS SHOWN ON DRAWINGS BY TAKING FIELD MEASUREMENTS. PROPER FIT AND ATTACHMENT OF ALL PARTS IS REQUIRED. REFER TO THE CONTRACT DOCUMENTS FOR CONSTRUCTION. CHECK ALL LINES AND LEVELS INDICATED AND SUCH OTHER WORK AS HAS BEEN COMPLETED. SHOULD THERE BE ANY DISCREPANCIES, IMMEDIATELY REPORT TO THE DESIGN TEAM FOR CORRECTION OR ADJUSTMENT. IN EVENT OF FAILURE TO DO SO, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERROR.

c. CONTRACTORS SHALL NOT SCALE DRAWINGS. ALL DIMENSIONS ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF ARTFUL ENVIRONMENT PRIOR TO CONSTRUCTION.

d. MATERIALS AND ASSEMBLIES USED IN FIRE-RESISTIVE CONSTRUCTION SHALL MEET APPLICABLE REQUIREMENTS OF UNDERWRITERS' LABORATORIES AND THE GOVERNING AUTHORITIES.

e. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. TAPE JOINTS AND INSTALL CASING BEADS, CORNER BEADS, ETC., AS SHOWN ON DRAWINGS AND AS REQUIRED FOR A NEAT, FINISHED, APPEARANCE.

f. TEXTURE: PER DRAWINGS.

1. MATERIALS:

a. GYPSUM BOARD:

• NON-FIRE-RATED CONSTRUCTION: 5/8" GYPSUM BOARD AS REQUIRED UNLESS OTHERWISE INDICATED.

• FIRE-RATED CONSTRUCTION: 5/8" USG FIRECODE "TYPE X" GYPSUM BOARD.

• MOISTURE RESISTANT: INSTALL MOISTURE RESISTANT GYPSUM BOARD IN AREAS EXPOSED TO MOISTURE.

b. STUDS AND RUNNERS: DIETRICH "ULTRASTEEL", ICC-ES ESR 197, ASTM E845, 25 GAUGE X 3/8" UNLESS OTHERWISE INDICATED. USE STUD GAUGES AS INDICATED ON STUD SCHEDULE.

c. MISCELLANEOUS MATERIALS: AS RECOMMENDED BY SYSTEM MANUFACTURER AND REFERENCE STANDARDS.

2. INSTALLATION OF METAL FRAMES AND GYPSUM DRYWALL:

a. LIGHT GAUGE METAL FRAMING WILL BE INSTALLED IN STRICT CONFORMANCE WITH IC-2457 OR ESR 116P REPORT.

b. FINISH: PER DRAWINGS.

c. ACCEPTANCE OF CONDITIONS: EXAMINE CONDITIONS UNDER WHICH WORK WILL BE INSTALLED. SUBMIT WRITTEN NOTIFICATIONS OF DEFICIENCIES DETERMINED TO PROPER OR TIMELY INSTALLATION AND DO NOT PROCEED UNTIL CORRECTED.

d. COORDINATION: COORDINATE WORK OF THIS SECTION WITH CEILING CONTRACTOR, CABINET WORK CONTRACTOR, AND OTHERS.

3. INSTALLATION/PARTITIONS: INSTALL PARTITIONS IN A RIGID AND SUBSTANTIAL MANNER.

a. INSTALL BOARDS HORIZONTALLY FROM FLOOR TO CEILING.

b. INSTALL TAPE AND CORNER BEADS AT CORNERS AND JOINTS SO THAT JOINTS OR IRREGULARITIES WILL BE INVISIBLE IN THE FINISHED WALL.

c. INSTALL BARRIER SO THAT THE FINISHED INSTALLATION WILL BE SEALED FROM LIGHT AND SOUND. PAY PARTICULAR ATTENTION TO CONDITIONS WHERE PARTITION WORK MEETS OTHER MATERIALS.

d. FINISH SHEET ROCK COMPLETELY TO FLOOR TO INSURE A SOLID WALL BASE INSTALLATION.

e. CENTER WALLS ON WINDOW MULLIONS WHERE SHOWN ON PLAN.

f. ADJUST PARTITION THICKNESS AND CAVITY FOR INTERNAL INCLUSIONS, SUCH AS PLUMBING AND FOR CORRECT INSTALLATION OF FIXTURES, PANELS, BOXES, ETC.

g. ALL DOORS SHALL BE BACK PRIMED.

h. OMIT PRIMER COAT ON SURFACES WHICH HAVE BEEN SHOT PRIMED.

i. APPLY SEALER COAT ONLY TO WALLS TO RECEIVE WALL COVERING.

3. MATERIALS: PAINT COLORS ARE TO BE AS SHOWN ON DRAWINGS.

a. FINISH SYSTEM: EGGSHELL ENAMEL (GYPSUM WALLBOARD SUBSTRATE):

• 1 COAT PRIMER (NON-PVA)

• 1 COAT ALKYD WALL PRIMER-SEALER.

• 1 COAT EGGSHELL ENAMEL AS REQUIRED FOR COMPLETE COVERAGE.

• BUILDING STANDARD FOR WALLS UNLESS OTHERWISE NOTED.)

b. EPOXY (GYPSUM WALLBOARD SUBSTRATE):

• 1 COAT 320-04 SYNTHETIC PRIMER.

• 1 COAT MIRAPLATE EPOXY.

c. FLAT LATEX (GYPSUM WALLBOARD SUBSTRATE):

• 1 OR 2 COATS FLAT LATEX AS REQUIRED FOR COMPLETE COVERAGE.

d. SEMIGLOSS STIPPLE (GYPSUM WALLBOARD SUBSTRATE):

• 1 COAT PRIMER (NON-PVA)

• 1 COAT ALKYD WALL PRIMER-SEALER.

• 1 COAT ALKYD SEMI-GLOSS STIPPLE.

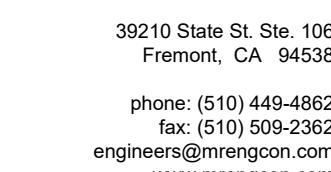
e. SEMI-GLOSS ENAMEL (PRIMED OR PREVIOUSLY PAINTED WOOD OR METAL SUBSTRATE, INTERIORS ONLY):

• 1 COAT ENAMEL UNDERCOAT.

•



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HVAC GENERAL NOTES	CALIFORNIA GREEN BUILDING STANDARDS CODE 2022	MECHANICAL SPECIFICATIONS	MECHANICAL LEGEND	
1. CONTRACTOR SHALL CAREFULLY REVIEW THESE PLANS AND SPECIFICATIONS PRIOR TO BID. CONTRACTOR SHALL ALSO REVIEW PLANS AND SPECIFICATIONS OF OTHER RELATED TRADES (INCLUDING ARCHITECTURAL, CIVIL, STRUCTURAL AND ELECTRICAL) PRIOR TO BID TO ENSURE AN ACCURATE UNDERSTANDING OF EXACT SCOPE OF WORK. ANY ITEMS REQUIRING CLARIFICATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN SUFFICIENT TIME TO BE INCORPORATED INTO THE BID.	1. ALL HVAC DUCTS ARE REQUIRED TO BE SEALED WITH MASTIC AND SHALL BE TESTED. CONCEALED DUCT SHALL BE INSULATED WITH MIN R-8 DUCT INSULATION.	1. GENERAL PROVISIONS - THE GENERAL CONDITIONS, SUPPLEMENTS AND AMENDMENTS SHALL COVER THIS DIVISION OF THE SPECIFICATIONS.	SYMBOL	ABBREV
2. CONTRACTOR SHALL VERIFY ALL EQUIPMENT MODEL NUMBERS, CAPACITIES, SIZES, VOLTAGES, AND ALL OTHER SCHEDULED INFORMATION WITH ALL OTHER APPLICABLE TRADES AND WITH THE MANUFACTURER PRIOR TO INSTALLATION.	2. AT THE TIME OF ROUGH INSTALLATION OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL START-UP FOR THE HEATING AND COOLING EQUIPMENT, ALL DUCTS AND OTHER RELATED AIR DISTRIBUTION COMPONENTS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL, OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM. CGBC 5.504.3	2. PROJECT REQUIREMENTS - PROVIDED ALL ITEMS, MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THE WORK OR OPERATIONS MENTIONED HEREIN, OR INDICATED ON THE DRAWINGS, AND REASONABLY INFERRED THEREIN, AS REQUIRED TO MAKE A COMPLETE AND WORKING SYSTEM.	● POC	POINT OF CONNECTION
3. CONTRACTOR SHALL VERIFY ALL LOCATIONS, SIZES, P.O.C.'S, AND AVAILABILITY OF ALL EXISTING ITEMS (I.E.: OUTSIDE AIR, EXHAUST ETC.) PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.	3. BASED ON THESE PLANS, THE MECHANICAL/BALANCING CONTRACTOR SHALL PROVIDE A TESTING AND ADJUSTING PLAN AND SHALL FOLLOW IT AS PER CALIFORNIA GREEN BUILDING STANDARDS CODE, SECTION 5.4.10.4.	3. INTENT - WORK SHALL BE DONE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, AND THEREAFTER COMPLETE WITH ALL NECESSARY COMPONENTS, INCLUDING THOSE NOT NORMALLY SHOWN OR CALLED FOR, AND SHALL BE READY FOR OPERATION BEFORE ACCEPTANCE.	● POD	POINT OF DISCONNECTION
4. THESE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ARE NOT INTENDED TO INDICATE ALL NECESSARY OFFSETS OF DUCTWORK AND PIPING. THE CONTRACTOR SHALL INSTALL MATERIAL AND EQUIPMENT IN A MANNER AS TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM, AND KEEP CLEAR AND ACCESSIBLE. THE CONTRACTOR SHALL BE CONSISTENT WITH NORMALLY ACCEPTABLE INDUSTRY STANDARDS. THE CONTRACTOR SHALL NOTIFY THE ENFORCING AGENCY IN WRITING OF ANY DISCREPANCIES OR CONFLICTS THAT WOULD AFFECT THE SYSTEM PERFORMANCE OR WHICH WOULD INCUR ADDITIONAL COSTS. THIS NOTIFICATION SHALL BE MADE PRIOR TO THE INSTALLATION OF THE ITEMS CONCERNED.	4. IN MECHANICAL VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MERV 8. CGBC 5.504.5	4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES. NOTHING SHOWN IN THE PLANS OR STATED IN THE SPECIFICATIONS IS INTENDED TO INDICATE THE INSTALLATION OF ANY PROTECTION, ITEM OR DEVICE SHOULD BE DONE CONTRARY TO THE MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE INSTALLATION AND CONNECTIONS OF ALL ITEMS AND DEVICES CONFORM TO MANUFACTURER'S INSTRUCTIONS AND TO ALL APPLICABLE CODES AND REGULATIONS.	□ EXISTING EQUIPMENT OR PIPING	MAX
5. NEW AND/OR EXISTING EQUIPMENT INDICATED ON THIS DRAWING IS SHOWN IN APPROXIMATE POSITION(S). CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING EQUIPMENT LOCATIONS, P.O.C.'S AND STRUCTURAL MEMBERS PRIOR TO INSTALLATION. IN ALL CASES, ADEQUATE ACCESS (PER MANUFACTURER'S RECOMMENDATIONS AND CODE COMPLIANCE) FOR MAINTENANCE AND REPLACEMENT OF EQUIPMENT SHALL BE PROVIDED.	5. BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF CALIFORNIA BUILDING CODE, CCR TITLE 24, PART 2, SECTIONS 1201 (VENTILATION) AND CHAPTER 14 (EXTERIOR WALLS). FOR ADDITIONAL MEASURES NOT APPLICABLE TO LOW-RISE RESIDENTIAL OCCUPANCIES, SEE SECTION 5.4.07.2 OF THIS CODE. CGBC 5.506.1	5. INTENT - WORK SHALL BE DONE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, AND THEREAFTER COMPLETE WITH ALL NECESSARY COMPONENTS, INCLUDING THOSE NOT NORMALLY SHOWN OR CALLED FOR, AND SHALL BE READY FOR OPERATION BEFORE ACCEPTANCE.	■ FD	REMOVE EXISTING EQUIPMENT OR PIPING
6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES. NOTHING SHOWN IN THE PLANS OR STATED IN THE SPECIFICATIONS IS INTENDED TO INDICATE THE INSTALLATION OF ANY PROTECTION, ITEM OR DEVICE SHOULD BE DONE CONTRARY TO THE MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE INSTALLATION AND CONNECTIONS OF ALL ITEMS AND DEVICES CONFORM TO MANUFACTURER'S INSTRUCTIONS AND TO ALL APPLICABLE CODES AND REGULATIONS.	6. FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 (REQUIREMENTS FOR VENTILATION) OF THE 2022 CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8, CGBC 5.506.1	6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES. NOTHING SHOWN IN THE PLANS OR STATED IN THE SPECIFICATIONS IS INTENDED TO INDICATE THE INSTALLATION OF ANY PROTECTION, ITEM OR DEVICE SHOULD BE DONE CONTRARY TO THE MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE INSTALLATION AND CONNECTIONS OF ALL ITEMS AND DEVICES CONFORM TO MANUFACTURER'S INSTRUCTIONS AND TO ALL APPLICABLE CODES AND REGULATIONS.	■ S	CEILING DIFFUSERS
7. ALL HVAC EQUIPMENT, MATERIAL, AND ALL CONNECTION THERETO SHALL BE INSTALLED COMPLETE PER MANUFACTURER'S INSTRUCTIONS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM.	7. FOR BUILDINGS OR ADDITION, EQUIPPED WITH DEMAND CONTROL VENTILATION, CO ₂ SENSORS AND VENTILATION CONTROLS SHALL BE OPERATED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2022 CALIFORNIA ENERGY CODE, SECTION 120(C)(4). CGBC 5.506.2	7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES. NOTHING SHOWN IN THE PLANS OR STATED IN THE SPECIFICATIONS IS INTENDED TO INDICATE THE INSTALLATION OF ANY PROTECTION, ITEM OR DEVICE SHOULD BE DONE CONTRARY TO THE MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE INSTALLATION AND CONNECTIONS OF ALL ITEMS AND DEVICES CONFORM TO MANUFACTURER'S INSTRUCTIONS AND TO ALL APPLICABLE CODES AND REGULATIONS.	■ D	CEILING RETURN DIFFUSERS
8. DUCT SIZES INDICATED ON DRAWINGS ARE INSIDE NET CLEARANCE DIMENSIONS.	8. TESTING AND ADJUSTING SYSTEMS SHALL BE REQUIRED FOR BUILDING LESS THAN 10,000 SQFT. CGBC 5.4.10.4.	8. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS. SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALL INCLUDE, AS APPLICABLE TO THE PROJECT, THE SYSTEMS LISTED IN SECTION 5.4.10.4.2.	■ D	CEILING EXHAUST DIFFUSERS
9. CONTRACTOR MAY, AT HIS OPTION, WITH PRIOR APPROVAL FROM ENGINEER REVISE DUCTWORK SIZING AND ROUTING TO ALLOW FOR INSTALLATION IN THE AVAILABLE SPACE. DUCTWORK THAT IS RESIZED MUST MAINTAIN THE SAME CROSS-SECTIONAL AREA.	9. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH APPLICABLE STANDARDS ON EACH SYSTEM AS DETERMINED BY THE ENFORCING AGENCY. 5.4.10.4.3. BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING IS OPERATED FOR NORMAL USE, BALANCE IN ACCORDANCE WITH THE PROCEDURES DEFINED BY NATIONAL STANDARDS LISTED IN SECTION 5.4.10.4.3.1. OR AS APPROVED BY THE ENFORCING AGENCY.	9. PERMIT - OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES THEREFORE AND COMPLY WITH ALL LOCAL AND STATE REGULATIONS, CODES AND BY-LAWS APPLICABLE TO THE WORK.	■ D	DUCT SECTION - SUPPLY AIR
10. ALL NEW SUPPLY, RETURN, AND EXHAUST (AIR DISTRIBUTION) GRILLES, REGISTERS, AND DIFFUSERS SHALL MATCH (IF APPLICABLE) EXISTING, AND BE APPROVED BY ARCHITECT. THE MAXIMUM NOISE LEVEL SHALL BE 25.	10. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS. SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALL INCLUDE, AS APPLICABLE TO THE PROJECT, THE SYSTEMS LISTED IN SECTION 5.4.10.4.2.	10. RESPONSIBILITY - VISIT THE SITE BEFORE SUBMITTING A BID AND EXAMINE ALL LOCAL AND EXISTING CONDITIONS ON WHICH THE WORK IS DEPENDENT.	■ D	DUCT SECTION - RETURN AIR
11. ALL SUPPLY, RETURN, AND EXHAUST REGISTER CONNECTIONS TO DUCTWORK SHALL BE PROVIDED WITH ACCESSIBLE MANUAL VOLUME DAMPERS. ALTERNATIVELY, ACCESSIBLE MANUAL VOLUME DAMPERS MAY BE PROVIDED IN DUCT WORK FEEDER LINES SERVING INDIVIDUAL REGISTERS. PROVIDE ACCESS DOOR AND PANEL AS REQUIRED.	11. AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR OPERATING THESE SERVICES.	11. NO CONSIDERATION WILL BE GRANTED FOR ANY MISUNDERSTANDING OF WORK TO BE DONE RESULTING FROM FAILURE TO VISIT THE SITE.	■ D	DUCT SECTION - EXHAUST AIR
12. SUBSTITUTION OF HVAC EQUIPMENT WITH EFFICIENCIES LOWER THAN THOSE INDICATED ON THE PLANS IS NOT PERMITTED.	12. PROVIDE THE BUILDING OWNER WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF WARRANTIES FOR EACH SYSTEM PRIOR TO FINAL INSPECTION. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.	12. WHEN THE CONTRACT DOCUMENTS DO NOT CONTAIN SUFFICIENT INFORMATION FOR THE PROPER SELECTION OF EQUIPMENT FOR BIDDING, NOTIFY THE DESIGN AUTHORITY DURING THE BIDDING PERIOD. IF CLARIFICATION CANNOT BE OBTAINED, ALLOW FOR THE MOST EXPENSIVE ARRANGEMENT. FAILURE TO DO THIS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO SUPPLY THE INTENDED EQUIPMENT AND OR INSTALLATION.	■ D	DUCT SECTION - AIR DUCT
13. IF THE CONTRACTOR'S USE OF SUBSTITUTE MATERIALS, EQUIPMENT, OR METHODS OF INSTALLATION REQUIRES ANY CHANGES IN OTHER TRADES' WORK FROM THAT SHOWN ON THE DRAWINGS, THE EXTRA COST OF THE OTHER TRADES WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR INITIATING THE SUBSTITUTION.	13. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 8, ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY. APPLIES TO ADDITIONS OR ALTERATIONS.	13. CHECK DRAWINGS OF ALL TRADES AND SITE SURVEY TO VERIFY SPACE AVAILABILITY FOR THE INSTALLATION. COORDINATE WORK WITH ALL TRADES AND MAKE CHANGES TO FACILITATE SATISFACTORY INSTALLATION. MAKE NO DEVIATIONS TO THE DESIGN INTENT INVOLVING EXTRA COST TO THE OWNER WITHOUT DESIGN AUTHORITY WRITTEN APPROVAL.	■ D	DUCT SECTION - AIR REGISTER
14. SUBMITTALS: APPROVAL OF SUBMITTALS DOES NOT RELEASE THE CONTRACTOR FROM OBLIGATIONS TO COMPLY WITH ALL REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS OR APPLICABLE CODE REGULATIONS.	14. INSTALL HVAC AND REFRIGERATION EQUIPMENT THAT DOES NOT CONTAIN CFCs. CGBC 5.508.1.1.	14. WORKMANSHIP - WORKMANSHIP SHALL BE IN ACCORDANCE WITH WELL ESTABLISHED PRACTICE AND STANDARDS ACCEPTED AND RECOGNIZED BY DESIGN AUTHORITY AND THE TRADE.	■ D	DUCT SECTION - FIRE DAMPER
15. WHERE NONMETALLIC PIPING PENETRATES AREA SEPARATION WALLS, THE PIPE SECTION PASSING THROUGH THE WALLS AND THE FIXTURE CONNECTIONS THERETO SHALL BE OF METAL ONLY.	15. INSTALL FIRE SUPPRESSION EQUIPMENT THAT DOES NOT CONTAIN HALONS. CGBC 5.508.1.2.	15. EMPLOY ONLY TRADESMEN HOLDING VALID TRADE QUALIFICATION CERTIFICATES. TRADESMEN SHALL PERFORM ONLY WORK THAT THEIR CERTIFICATE PERMITS.	■ D	DUCT SECTION - THERMOSTAT
16. NO RANGE HOODS, DRYER VENTS, COMBUSTION VENTS, OR HEATING DUCTS ARE PERMITTED IN AREA SEPARATION WALLS.	16. ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANT, SEALANT PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCQMD RULE 1168 VOC LIMITS, AS SHOWN IN CALGREEN TABLES 5.504.2. SUCH PRODUCTS SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC VOCs, INCLUDING CHLOROFORMAL, ETHYLENE CHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TETRAHALOETHYLENE. EXCEPT FOR ADHESIVES, PRODUCTS AS SPECIFIED BELOW, AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES AND SEALANT OR CAULKING COMPOUNDS IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FUD OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.	16. DRAWING AND MEASUREMENTS - DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO INDICATE THE SCOPE AND GENERAL ARRANGEMENT OF WORK. DO NOT SCALE DRAWINGS.	■ D	DUCT SECTION - VOLUME DAMPER
17. PROVIDE BALANCING DAMPERS ON ALL OUTSIDE AIR, EXHAUST AIR, SUPPLY AIR AND RETURN AIR SYSTEMS THROUGH OUT DAMPERS ARE NOT INDICATED ON PLANS BUT ARE REQUIRED AT ALL BRANCH TAKE-OFFS.	17. DUCT TESTING AND INSULATION	17. TAKE FIELD MEASUREMENTS WHERE EQUIPMENT AND MATERIAL DIMENSIONS ARE DEPENDENT UPON BUILDING DIMENSIONS.	■ D	EQUIPMENT IDENTIFICATION SYMBOL
18. PROVIDE TURNING VANE ON ALL 90 DEGREE SQUARE ELBOWS.	1. ALL DUCTWORK SHALL BE SEALED AND PRESSURE TESTED FOR LEAKS PER SMACNA REQUIREMENTS IN THE "HVAC AIR DUCT LEAKAGE TEST MANUAL" AND THE CALIFORNIA GREEN BUILDING 2022 STANDARDS.	18. SUBMITTALS - SUBMIT THREE SETS OF ALL EQUIPMENT AND RELATED MATERIAL FOR APPROVAL PRIOR TO ORDERING. AFTER 10 DAYS FROM CONTRACT AWARD, SUBMIT DUCT DRAWINGS TO ARCHITECT FOR ENGINEERS REVIEW.	■ D	SCOPE OF WORK
19. PROVIDE FLEXIBLE DUCT CONNECTIONS WITH MINIMUM 1" GAP ON THE SUPPLY AND RETURN DUCT CONNECTIONS ON ALL FANS.	2. INSULATE ALL DUCTWORK AND PIPES PER THE 2022 CALIFORNIA MECHANICAL CODE AND TITLE 24 REQUIREMENT. ALL DUCTWORK SHALL BE INSULATED WITH WOOL FIBER OR FIBERGLASS INSULATION WITH FSK VAPOR BARRIER. ALL PIPES (INCLUDING CONDENSATE PIPING) SHALL BE INSULATED WITH EARTHWOOL FIBERGLASS PIPE INSULATION WITH ASU+SSL FACING. REFRIGERANT PIPING SHALL BE INSULATED WITH CLOSED CELL INSULATION. ALL DUCTS AND PIPES EXPOSED TO WEATHER (DUCTWORK IN CRAWL SPACES ARE CLASSIFIED AS DUCTWORK EXPOSED TO WEATHER), INCLUDING REFRIGERANT PIPING, SHALL BE PROVIDED WITH ALUMINUM OR SS JACKET INSTALLED PER MANUFACTURER'S PRINTED INSTALLATION MANUAL.	19. RECORD DRAWINGS - MAINTAIN ONE CONTRACT DRAWING, WHITE PRINT, ON SITE, SOLELY FOR THE PURPOSE OF RECORDING, IN RED, ANY CHANGES AND/OR DEVIATION FROM THE CONTRACT DRAWINGS AS IT OCCURS.	■ D	DRAWING INDEX
20. ALL SUPPLY AND RETURN DUCTWORK FROM AC UNITS AND FANS SHALL BE UNCOATED AND ACOUSTIC INSULATED. FIBERGLASS FILL FROM THE FAN UNLESS NOTED. IF BE LONGER, PROVIDE PERFORATED LINING. DUCT SIZE SHALL BE INCREASED TO PROVIDE THE CLEAR INSIDE DIMENSIONS AS NOTED ON PLANS.	3. FOR PROJECTS WITH EXISTING DUCTS, PERFORM DUCT CLEANING PER THE "NATIONAL DUCT CLEANERS ASSOCIATION". CLEAN EXISTING DIFFUSERS, GRILLES AND REGISTERS WITHOUT DAMAGING PAINT OR COATING. IF THE DAMAGE IS EXISTING, INFORM ARCHITECT AND TAKE PHOTOS BEFORE PERFORMING CLEANING PROCEDURE.	20. AT THE COMPLETION OF THE PROJECT, CERTIFY THE ABOVE-MENTIONED DRAWINGS AS BEING ACCURATE AND COMPLETE BY LABELLING IN THE LOWER RIGHT HAND CORNER IN LETTERS OF AT LEAST 1 INCH HIGH AS FOLLOWS: "AS-BUILT DRAWINGS. DATED ---". DELIVER TO DESIGN AUTHORITY.	■ D	MECHANICAL SPECIFICATIONS, LEGEND AND GENERAL NOTES
21. VERIFY MECHANICAL EQUIPMENT LOCATION & DUCT ROUTING WITH ENGINEERING PRIOR TO CONSTRUCTION.	4. SERVICES - PROTECT ALL SERVICES AND MAKE GOOD ANY DAMAGE CAUSED BY THE WORK IN THIS CONTRACT.	21. OPERATING AND MAINTENANCE MANUALS - PREPARE INSTRUCTION MANUALS WHICH INCLUDE EQUIPMENT MANUFACTURER'S OPERATING AND MAINTENANCE BULLETINS, AND A REPORT ON THE TESTING AND BALANCING. SUBMIT THREE (3) COPIES TO DESIGN AUTHORITY.	■ D	MECHANICAL FLOOR & SCHEDULES
22. FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN ONE FEET IN LENGTH AND SHALL NOT BE USED IN AEL OF 90 DEGREE ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE.	5. FOR PROJECTS WITH EXISTING DUCTS, PERFORM DUCT CLEANING PER THE "NATIONAL DUCT CLEANERS ASSOCIATION". CLEAN EXISTING DIFFUSERS, GRILLES AND REGISTERS WITHOUT DAMAGING PAINT OR COATING. IF THE DAMAGE IS EXISTING, INFORM ARCHITECT AND TAKE PHOTOS BEFORE PERFORMING CLEANING PROCEDURE.	22. SUPPLY AND RETURN DUCTWORK SHALL BE THOROUGHLY CLEANED BY A PROFESSIONAL DUCT CLEANING AGENT PRIOR TO REUSE.	■ D	MECHANICAL DETAILS
23. PROVIDE TURNING VANE ON ALL 90 DEGREE SQUARE ELBOWS.	6. CLEAN UP - MAKE GOOD AND CLEAN ALL AREAS DISRUPTED BY THIS WORK.	23. THE PLANS SHOW APPROXIMATE LOCATIONS OF DUCTWORK, PIPING AND EQUIPMENT BASED UPON EXISTING RECORD DRAWINGS. BE PREPARED TO ACCOMMODATE CHANGES IN LOCATION AS MAY BE FOUND ON SITE.	■ D	
24. PROVIDE FLEXIBLE DUCT CONNECTIONS WITH MINIMUM 1" GAP ON THE SUPPLY AND RETURN DUCT CONNECTIONS ON ALL FANS.	7. BALANCING - AIR SYSTEMS - BALANCING SHALL BE DONE BY AN AABC OR NEBB CERTIFIED FIRM. ADJUST AIR HANDLING EQUIPMENT AND ASSOCIATED BALANCE DAMPERS ON SUPPLY, RETURN AND EXHAUST SYSTEMS TO WITHIN PLUS OR MINUS 10% OF THE SPECIFIED AIR QUANTITIES. MAINTAIN THE DESIGN PRESSURE RELATIONSHIPS.	24. DUCTWORK CLEANING - ALL NEW DUCTWORK SHALL BE WIPE CLEAN OF ALL OIL AND OTHER SURFACE FILMS WITH SUITABLE SOLVENT PRIOR TO INSTALLATION.	■ D	
25. ALL SUPPLY AND RETURN DUCTWORK FROM AC UNITS AND FANS SHALL BE UNCOATED AND ACOUSTIC INSULATED. FIBERGLASS FILL FROM THE FAN UNLESS NOTED. IF BE LONGER, PROVIDE PERFORATED LINING. DUCT SIZE SHALL BE INCREASED TO PROVIDE THE CLEAR INSIDE DIMENSIONS AS NOTED ON PLANS.	8. ADJUST DIFFUSERS, REGISTERS AND GRILLES TO OBTAIN OPTIMUM AIR DISTRIBUTION PATTERN.	25. ALL SUPPLY AND RETURN DUCTWORK SHALL BE THOROUGHLY CLEANED BY A PROFESSIONAL DUCT CLEANING AGENT PRIOR TO REUSE.	■ D	
26. VERIFY MECHANICAL EQUIPMENT LOCATION & DUCT ROUTING WITH ENGINEERING PRIOR TO CONSTRUCTION.	9. MEASURE OUTSIDE AIR QUANTITIES AND CONFIRM THAT THE SPECIFIED OUTSIDE AIR QUANTITIES PER TITLE-24 CALCULATIONS HAVE BEEN PROVIDED THROUGHOUT.	26. PERMANENTLY MARK THE FINAL BALANCE POSITION ON ALL BALANCE DAMPERS AND ADJUSTABLE TURNING DEVICES.	■ D	
27. FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN ONE FEET IN LENGTH AND SHALL NOT BE USED IN AEL OF 90 DEGREE ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE.	10. SUBMIT A REPORT TO THE DESIGN AUTHORITY INDICATING FINAL AIR QUANTITIES OBTAINED.	27. SUBMIT A REPORT TO THE DESIGN AUTHORITY INDICATING FINAL AIR QUANTITIES OBTAINED.	■ D	
28. PROVIDE TURNING VANE ON ALL 90 DEGREE SQUARE ELBOWS.	11. EQUIPMENT TESTING	28. TO ASSURE THAT ALL FUNCTIONS AND PERFORMANCE ARE AS INDICATED ON THE MANUFACTURER'S RATING.	■ D	
29. PROVIDE FLEXIBLE DUCT CONNECTIONS WITH MINIMUM 1" GAP ON THE SUPPLY AND RETURN DUCT CONNECTIONS ON ALL FANS.	12. EQUIPMENT - EQUIPMENT SHALL BE BALANCED AND TESTED TO PROVIDE THE OWNER WITH FUNCTIONING SYSTEMS. THE HVAC SYSTEMS SHALL HAVE A MINIMUM OF ONE YEAR WARRANTY ON ALL PARTS AND LABOR OR LONGER AS AGREED BETWEEN OWNER AND CONTRACTOR.	29. ALL EQUIPMENT SHALL BE BALANCED AND TESTED TO PROVIDE THE OWNER WITH FUNCTIONING SYSTEMS. THE HVAC SYSTEMS SHALL HAVE A MINIMUM OF ONE YEAR WARRANTY ON ALL PARTS AND LABOR OR LONGER AS AGREED BETWEEN OWNER AND CONTRACTOR.	■ D	
30. ALL SUPPLY AND RETURN DUCTWORK FROM AC UNITS AND FANS SHALL BE UNCOATED AND ACOUSTIC INSULATED. FIBERGLASS FILL FROM THE FAN UNLESS NOTED. IF BE LONGER, PROVIDE PERFORATED LINING. DUCT SIZE SHALL BE INCREASED TO PROVIDE THE CLEAR INSIDE DIMENSIONS AS NOTED ON PLANS.	31. DRAWING NUMBER	30. DRAWING NUMBER	■ D	
31. VERIFY MECHANICAL EQUIPMENT LOCATION & DUCT ROUTING WITH ENGINEERING PRIOR TO CONSTRUCTION.	32. DRAWING TITLE	31. DRAWING TITLE	■ D	
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33. PROVIDE TURNING VANE ON ALL 90 DEGREE SQUARE ELBOWS.	34. DRAWING NO.: MO.1	33. DRAWING NO.: MO.1	■ D	
34. PROVIDE FLEXIBLE DUCT CONNECTIONS WITH MINIMUM 1" GAP ON THE SUPPLY AND RETURN DUCT CONNECTIONS ON ALL FANS.	35. DRAWING NO.: MO.2	34. DRAWING NO.: MO.2	■ D	
35. ALL SUPPLY AND RETURN DUCTWORK FROM AC UNITS AND FANS SHALL BE UNCOATED AND ACOUSTIC INSULATED. FIBERGLASS FILL FROM THE FAN UNLESS NOTED. IF BE LONGER, PROVIDE PERFORATED LINING. DUCT SIZE SHALL BE INCREASED TO PROVIDE THE CLEAR INSIDE DIMENSIONS AS NOTED ON PLANS.	36. DRAWING NO.: MO.3	35. DRAWING NO.: MO.3	■ D	
36. VERIFY MECHANICAL EQUIPMENT LOCATION & DUCT ROUTING WITH ENGINEERING PRIOR TO CONSTRUCTION.	37. DRAWING NO.: MO.4	36. DRAWING NO.: MO.4	■ D	
37. FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN ONE FEET IN LENGTH AND SHALL NOT BE USED IN AEL OF 90 DEGREE ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE.	38.			



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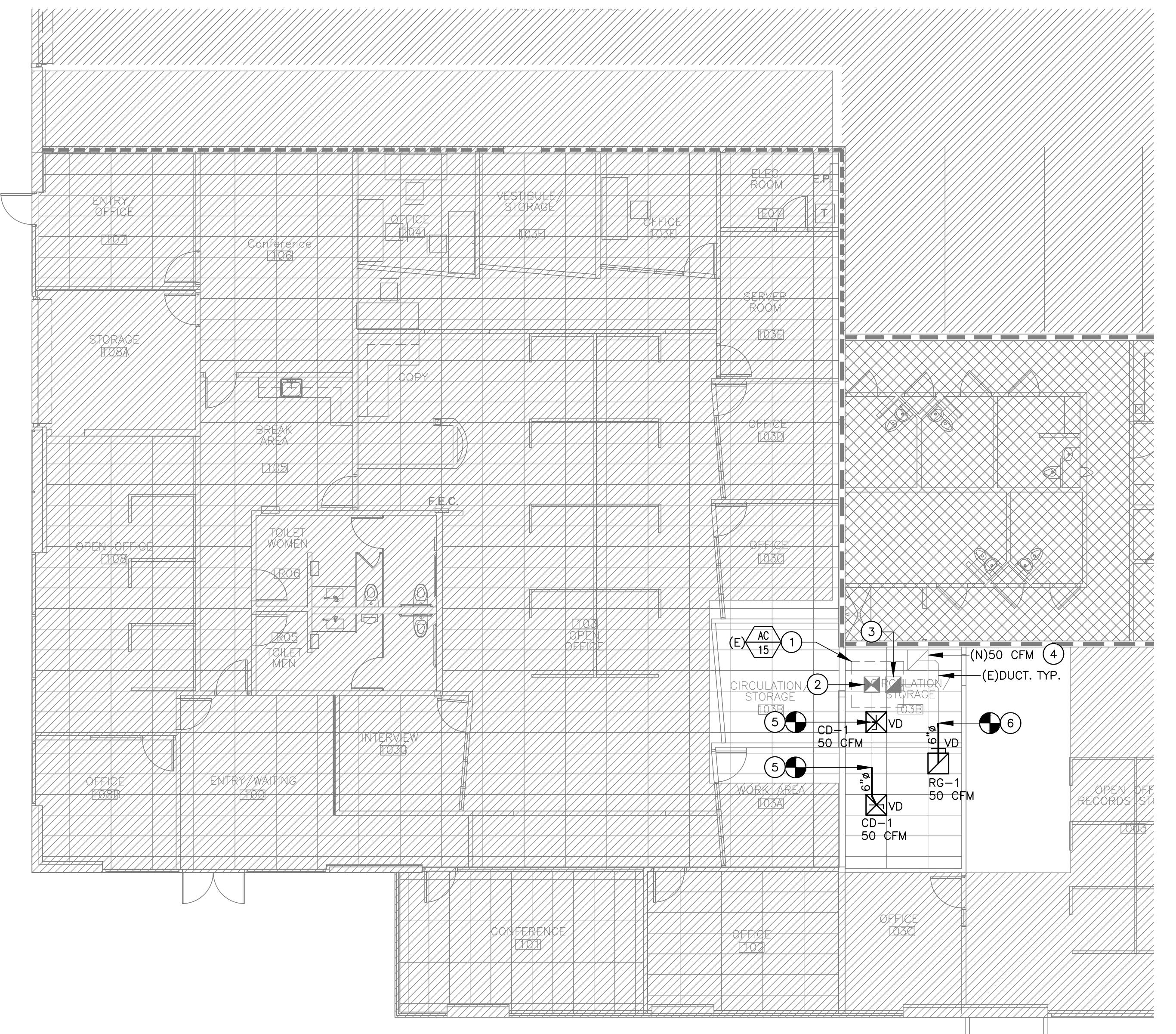


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<p>STATE OF CALIFORNIA Mechanical Systems CERTIFICATE OF COMPLIANCE NRCC-MCH-E</p> <p>This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)2 for alterations.</p> <p>Project Name: MORGAN HILL POLICE DEPARTMENT EXPANSION Report Page: (Page 1 of 7)</p> <p>Project Address: Date Prepared: 2023-07-05T20:35:06-04:00</p>		<p>CALIFORNIA ENERGY COMMISSION</p>																																																																				
<p>A. GENERAL INFORMATION</p> <table border="1"> <tr> <td>01 Project Location (city)</td> <td>MORGAN HILL</td> <td>04 Total Conditioned Floor Area</td> <td>241</td> </tr> <tr> <td>02 Climate Zone</td> <td>4</td> <td>05 Total Unconditioned Floor Area</td> <td>0</td> </tr> <tr> <td>03 Occupancy Types Within Project:</td> <td></td> <td>06 # of Stories (Habitable Above Grade)</td> <td>1</td> </tr> <tr> <td colspan="4">• All Other Occupancies</td> </tr> </table>		01 Project Location (city)	MORGAN HILL	04 Total Conditioned Floor Area	241	02 Climate Zone	4	05 Total Unconditioned Floor Area	0	03 Occupancy Types Within Project:		06 # of Stories (Habitable Above Grade)	1	• All Other Occupancies				<p>CALIFORNIA ENERGY COMMISSION</p>																																																				
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<p>B. PROJECT SCOPE</p> <p>This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.</p> <table border="1"> <tr> <td>01 Air System(s)</td> <td>02 Wet System Components</td> <td>03 Dry System Components</td> </tr> <tr> <td><input type="checkbox"/> Heating Air System</td> <td><input type="checkbox"/> Water Economizer</td> <td><input type="checkbox"/> Air Economizer</td> </tr> <tr> <td><input type="checkbox"/> Cooling Air System</td> <td><input type="checkbox"/> Pumps</td> <td><input type="checkbox"/> Electric Resistance Heat</td> </tr> <tr> <td colspan="3">Mechanical Controls</td> </tr> <tr> <td><input type="checkbox"/> Mechanical Controls (existing to remain, altered or new)</td> <td><input type="checkbox"/> System Piping</td> <td><input type="checkbox"/> Fan Systems</td> </tr> <tr> <td><input type="checkbox"/> Cooling Towers</td> <td><input type="checkbox"/> Ductwork (existing to remain, altered or new)</td> <td><input type="checkbox"/> Chillers</td> </tr> <tr> <td><input type="checkbox"/> Boilers</td> <td><input type="checkbox"/> Ventilation</td> <td><input type="checkbox"/> Zonal Systems/ Terminal Boxes</td> </tr> </table>		01 Air System(s)	02 Wet System Components	03 Dry System Components	<input type="checkbox"/> Heating Air System	<input type="checkbox"/> Water Economizer	<input type="checkbox"/> Air Economizer	<input type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input type="checkbox"/> Electric Resistance Heat	Mechanical Controls			<input type="checkbox"/> Mechanical Controls (existing to remain, altered or new)	<input type="checkbox"/> System Piping	<input type="checkbox"/> Fan Systems	<input type="checkbox"/> Cooling Towers	<input type="checkbox"/> Ductwork (existing to remain, altered or new)	<input type="checkbox"/> Chillers	<input type="checkbox"/> Boilers	<input type="checkbox"/> Ventilation	<input type="checkbox"/> Zonal Systems/ Terminal Boxes	<p>C. COMPLIANCE RESULTS</p> <p>Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, or the table indicated as not compliant for guidance.</p> <table border="1"> <thead> <tr> <th>01 System Summary</th> <th>02 Pumps</th> <th>03 Family Economizers</th> <th>04 System Controls</th> <th>05 Ventilation</th> <th>06 Terminal Box</th> <th>07 Distribution</th> <th>08 Cooling Towers</th> <th>09 Compliance Results</th> </tr> </thead> <tbody> <tr> <td>110.1, 110.2, 140.4, 170.2(c)</td> <td>140.4(k), 170.2(e)(4)</td> <td>140.4(c), 170.2(c)</td> <td>110.2, 120.2, 140.4(f), 170.2(c)</td> <td>120.1, 160.2</td> <td>140.4(d), 170.2(c)4B</td> <td>120.3, 140.4(l), 160.2, 160.3</td> <td>110.2(e)2</td> <td>Compliance Results</td> </tr> <tr> <td>(See Table F)</td> <td>(See Table G)</td> <td>(See Table H)</td> <td>(See Table I)</td> <td>(See Table J)</td> <td>(See Table K)</td> <td>(See Table L)</td> <td>(See Table M)</td> <td></td> </tr> </tbody> </table>		01 System Summary	02 Pumps	03 Family Economizers	04 System Controls	05 Ventilation	06 Terminal Box	07 Distribution	08 Cooling Towers	09 Compliance Results	110.1, 110.2, 140.4, 170.2(c)	140.4(k), 170.2(e)(4)	140.4(c), 170.2(c)	110.2, 120.2, 140.4(f), 170.2(c)	120.1, 160.2	140.4(d), 170.2(c)4B	120.3, 140.4(l), 160.2, 160.3	110.2(e)2	Compliance Results	(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)																				
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<p>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</p> <p>I certify that this Certificate of Compliance documentation is accurate and complete.</p> <p>Documentation Author Name: RAMIL BATANICLA Documentation Author Signature: </p> <p>Comments: I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).</p> <p>M+R Engineering Consultants Inc. Address: 39210 STATE ST, STE 106 CEA/HERS Certification Identification (if applicable):</p> <p>City/State/Zip: FREMONT, CA 94538 Phone: 510-449-4862</p> <p>RESPONSIBLE PERSON'S DECLARATION STATEMENT</p> <p>I certify the following under penalty of perjury, under the laws of the State of California:</p> <ol style="list-style-type: none"> 1. I am the Responsible Person for this Certificate of Compliance. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans, and drawings required by the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. <p>Responsible Designer Name: LEO MALABUYO Responsible Designer Signature: </p> <p>Comments: M+R ENGINEERING CONSULTANTS INC. Date: 2023-07-05</p> <p>Address: 39210 STATE ST, STE 106 License: M26141</p> <p>City/State/Zip: FREMONT, CA 94538 Phone: 510-449-4862</p>		<p>M. G. MORGAN HILL POLICE DEPARTMENT EXPANSION</p> <p>10/06/2023 SUBMIT FOR PLAN CHECK REVISION:</p> <p>DRAWING TITLE:</p> <p>MECHANICAL T24 FORMS</p> <p>DRAWING NO.: M0.2</p> <p>SCALE: AS NOTED</p>																																																																				



ARTFUL ENVIRONMENT, LLC
2782 Plummer Ave.
San Jose, CA 95125
408.318.0226
www.artfulenvironment.com



1 MECHANICAL FLOOR PLAN
M2.1 SCALE: 1/8"=1'-0"

GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY IN THE FIELD FOR EXACT LOCATION OF ALL DUCTING/PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL DUCTING/PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. FINAL THERMOSTAT/REMOTE SENSOR SHALL BE COORDINATED WITH THE ARCHITECT AND GENERAL CONTRACTOR FOR APPROVAL PRIOR TO INSTALLATION.
- D. CONTRACTOR SHALL PERFORM AIR BALANCING AS PART OF TESTING AND COMMISSIONING ACTIVITIES OF ALL HVAC SYSTEM AND EQUIPMENT.
- E. PROVIDE YOUNG REGULATOR BALANCING DAMPER AS NEEDED FOR THE DIFFUSER THAT IS NOT ACCESSIBLE FOR BALANCING.
- F. CONTRACTOR TO PROVIDE ACCESS PANEL TO ALL MECHANICAL EQUIPMENTS FOR MAINTENANCE IF NOT READILY ACCESSIBLE. COORDINATE WITH ARCHITECT.
- G. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VISIT THE SITE AND SURVEY EXTENT OF EXISTING HVAC SYSTEM DEMOLITION AND INCLUDE IN BID.

KEY NOTES

- ① EXISTING AC UNIT LOCATED ABOVE ROOF TO REMAIN. CONTRACTOR TO VERIFY IN THE FIELD THE EXACT SIZE, LOCATION AND CONDITION. INFORM OWNER REPRESENTATIVE OR ENGINEER OF RECORD IF THE UNIT IS NOT WORKING PROPERLY.
- ② EXISTING SUPPLY AIR DUCT RISER TO REMAIN. CONTRACTOR TO VERIFY IN THE FIELD THE EXACT SIZE, LOCATION AND CONDITION. REPAIR/REPLACE IF NECESSARY.
- ③ EXISTING RETURN AIR DUCT RISER TO REMAIN. CONTRACTOR TO VERIFY IN THE FIELD THE EXACT SIZE, LOCATION AND CONDITION. REPAIR/REPLACE IF NECESSARY.
- ④ CONTRACTOR TO BALANCE THE EXISTING AND NEW DIFFUSERS AS PER THE AIRFLOW SHOWN ON THE PLAN.
- ⑤ CONNECT NEW SUPPLY DUCT TO EXISTING MAIN SUPPLY DUCT. CONTRACTOR SHALL FIELD VERIFY P.O.C.
- ⑥ CONNECT NEW RETURN DUCT TO EXISTING MAIN RETURN DUCT. CONTRACTOR SHALL FIELD VERIFY P.O.C.



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MORGAN HILL POLICE
DEPARTMENT EXPANSION

16200 VINEYARD BLVD.
MORGAN HILL, CA 95037

10/06/2023 SUBMIT FOR PLAN CHECK
REVISION:

DRAWING TITLE:

MECHANICAL
FLOOR PLAN &
SCHEDULES

DRAWING NO.:

M2.1

SCALE:

AS NOTED

EXISTING PACKAGED ROOFTOP AIR CONDITIONERS SCHEDULE														
MARK	MANUF. & MODEL	SERVICE	NOMINAL TONNAGE	CFM	MIN. O.A. (CFM)	E.S.P. (IN.)	ELECTRICAL			TOTAL COOLING CAPACITY(MBH)	TOTAL HEATING CAPACITY(MBH)	SEER/EER	AFUE	REMARKS
							V. / PH.	HZ.	MOCP					
(E) AC 15	CARRIER 4BHJE007---651-- (EXISTING UNIT)	AS SHOWN ON PLAN	6.0	2,100	—	—	460/3/60	—	—	74,000	—	—/11.0	81%	1

1. EXISTING AC UNIT TO REMAIN. CONTRACTOR TO VERIFY IN THE FIELD THE EXACT SIZE, LOCATION AND CONDITION. INFORM OWNER REPRESENTATIVE OR ENGINEER OF RECORD IF THE UNIT IS NOT WORKING PROPERLY.

AIR DISTRIBUTION SCHEDULE							
MARK	MANUFACTURER & MODEL OR EQUAL	SERVICE	TYPE	FINISH	MODULE SIZE	NECK SIZE	REMARKS
CD-1	TITUS TMS/TMS-AA OR APPROVED EQUAL	SUPPLY	CEILING	WHITE	24"x24"	8"ø	1
RG-1	TITUS PAR OR APPROVED EQUAL	SUPPLY	CEILING	WHITE	24"x24"	8"ø	1

1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

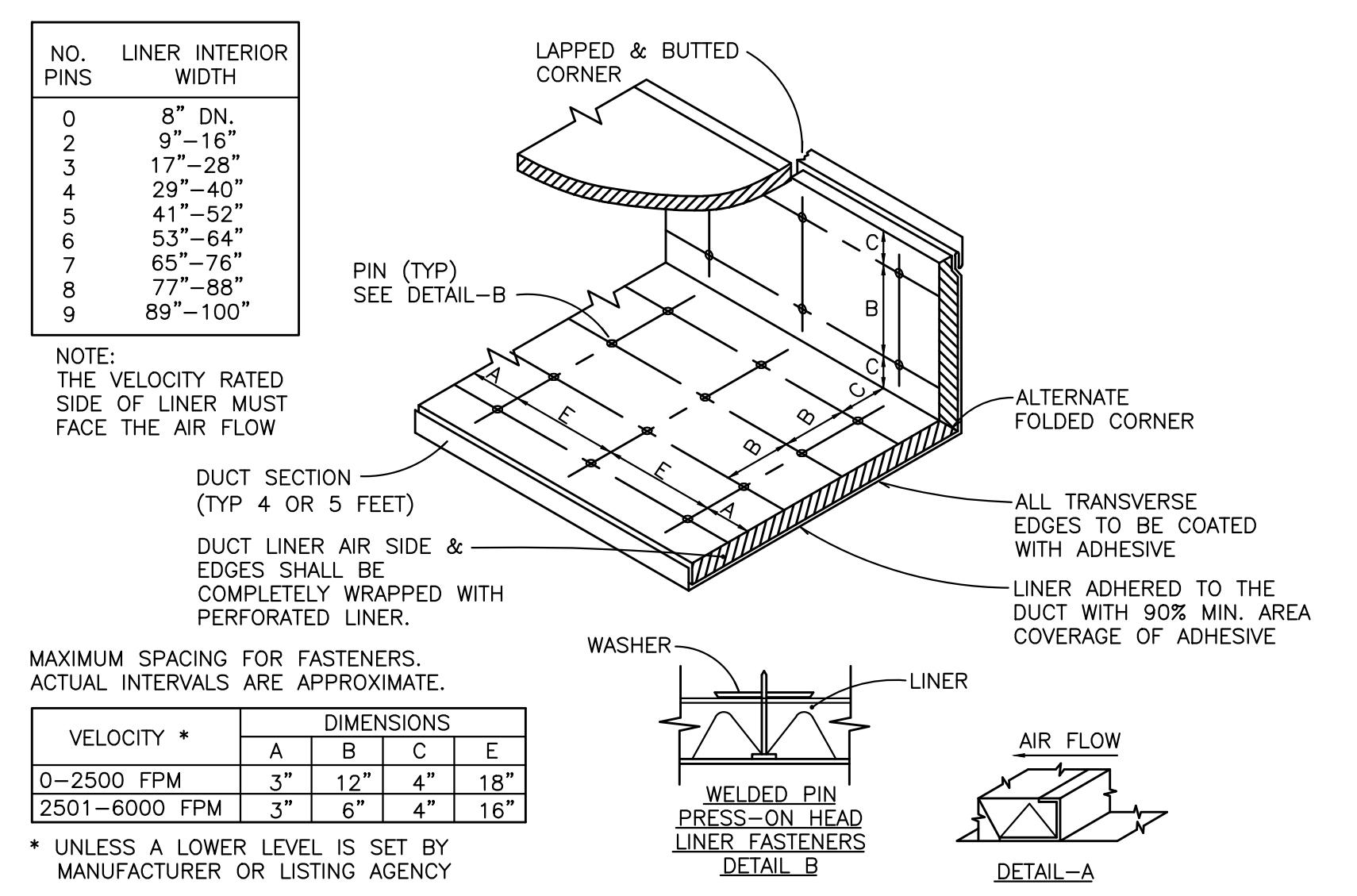
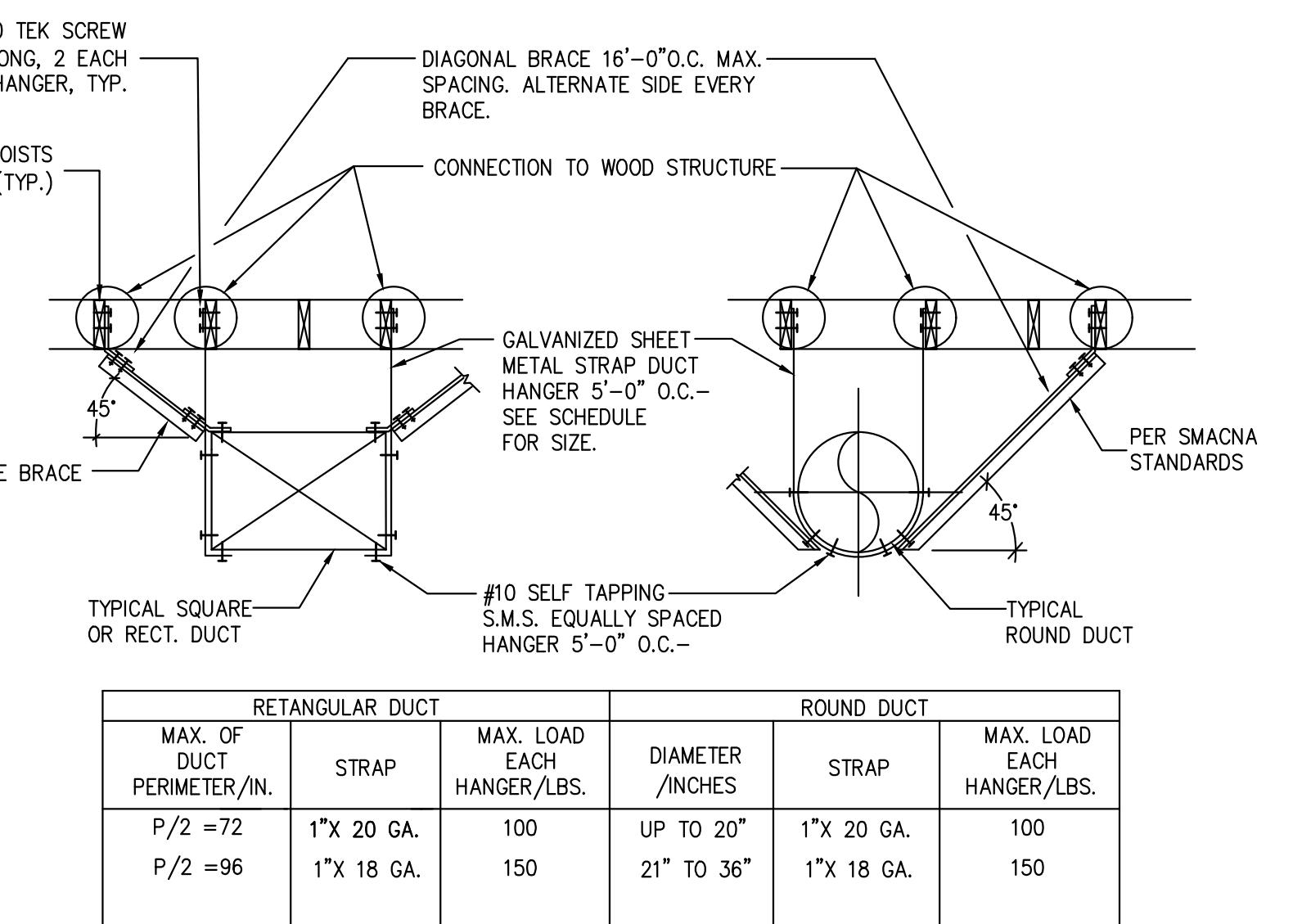
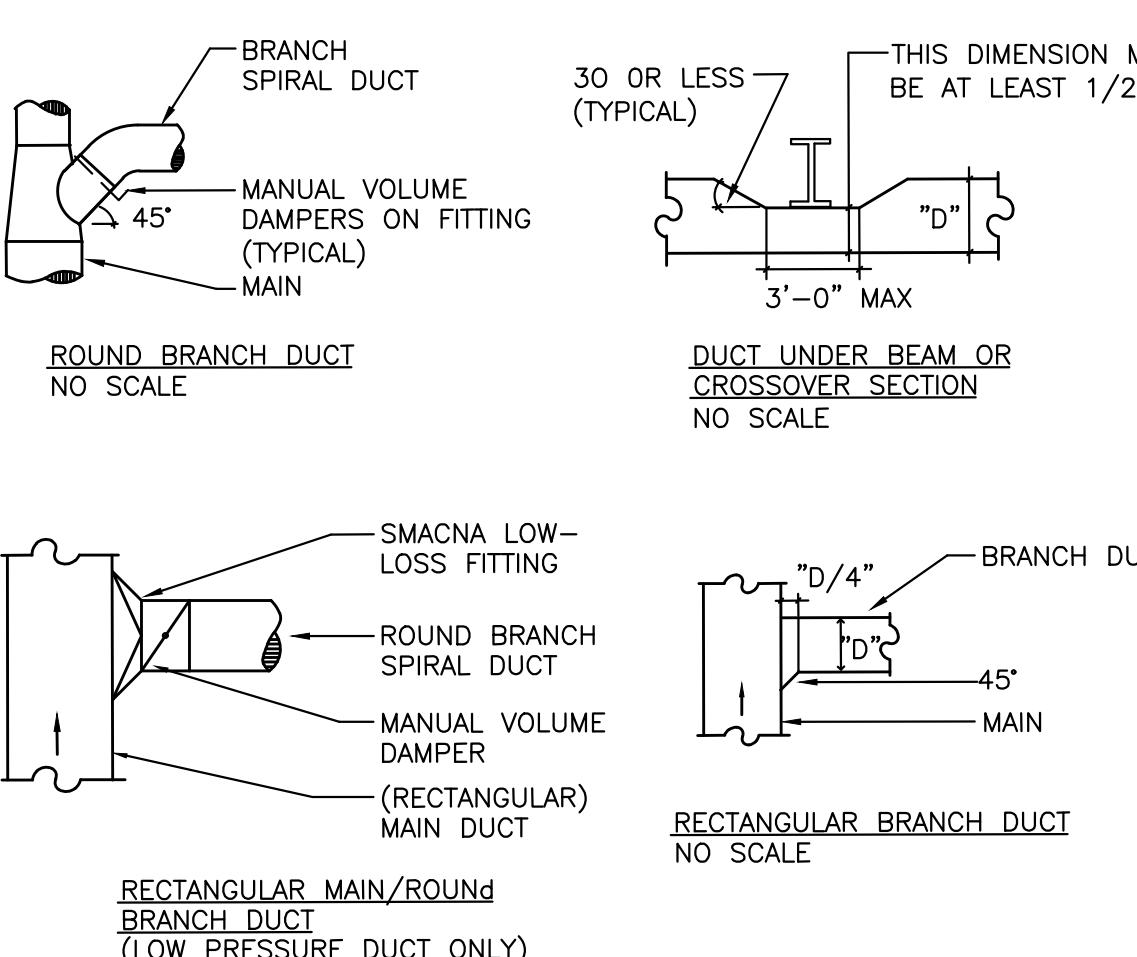
DUCT MATERIAL SCHEDULE						
(FOR LOW PRESSURE DUCTWORKS W/S.P. LESS THAN 2" W.G., LESS THAN 2000 FPM)						
RECTANGULAR						
DIMENSION: 4"-18" 19"-30" 31"-54" 55"-84" GAUGE: 26 ga. 24 ga. 22 ga. 20 ga.						

HEATING AND COOLING DUCT SYSTEM						
AIRFLOW CFM	SUPPLY OR RETURN MAIN DUCT SIZE	TABLE A				
200	8" RD OR 6" x 8"					
300	9" RD OR 8" x 8"					
400	10" RD OR 10" x 8"					
500	11" RD OR 14" x 8" 10" x 10"					
600	12" RD OR 16" x 8" 12" x 10"					
700	13" RD OR 18" x 8" 14" x 10" 12" x 12"					
800	14" RD OR 22" x 8" 16" x 10" 14" x 12"					
1000	16" RD OR 28" x 8" 20" x 10" 16" x 12"					
1200	17" RD OR 32" x 8" 24" x 10" 20" x 12"					
1400	18" RD OR 28" x 10" 24" x 12"					
1600	20" RD OR 32" x 10" 28" x 12"					
1800	21" RD OR 30" x 12"					
2000	22" RD OR 34" x 12"					

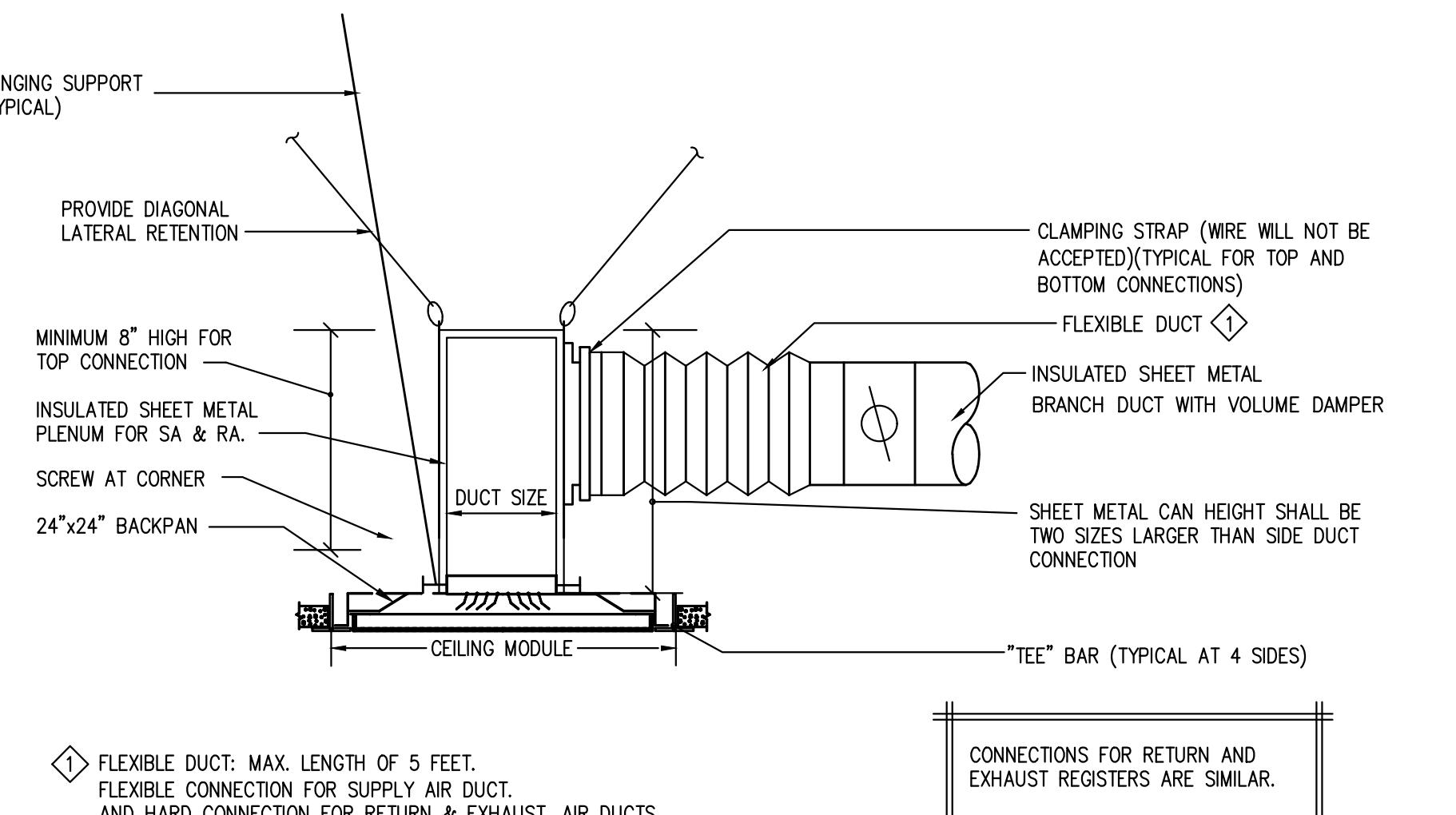
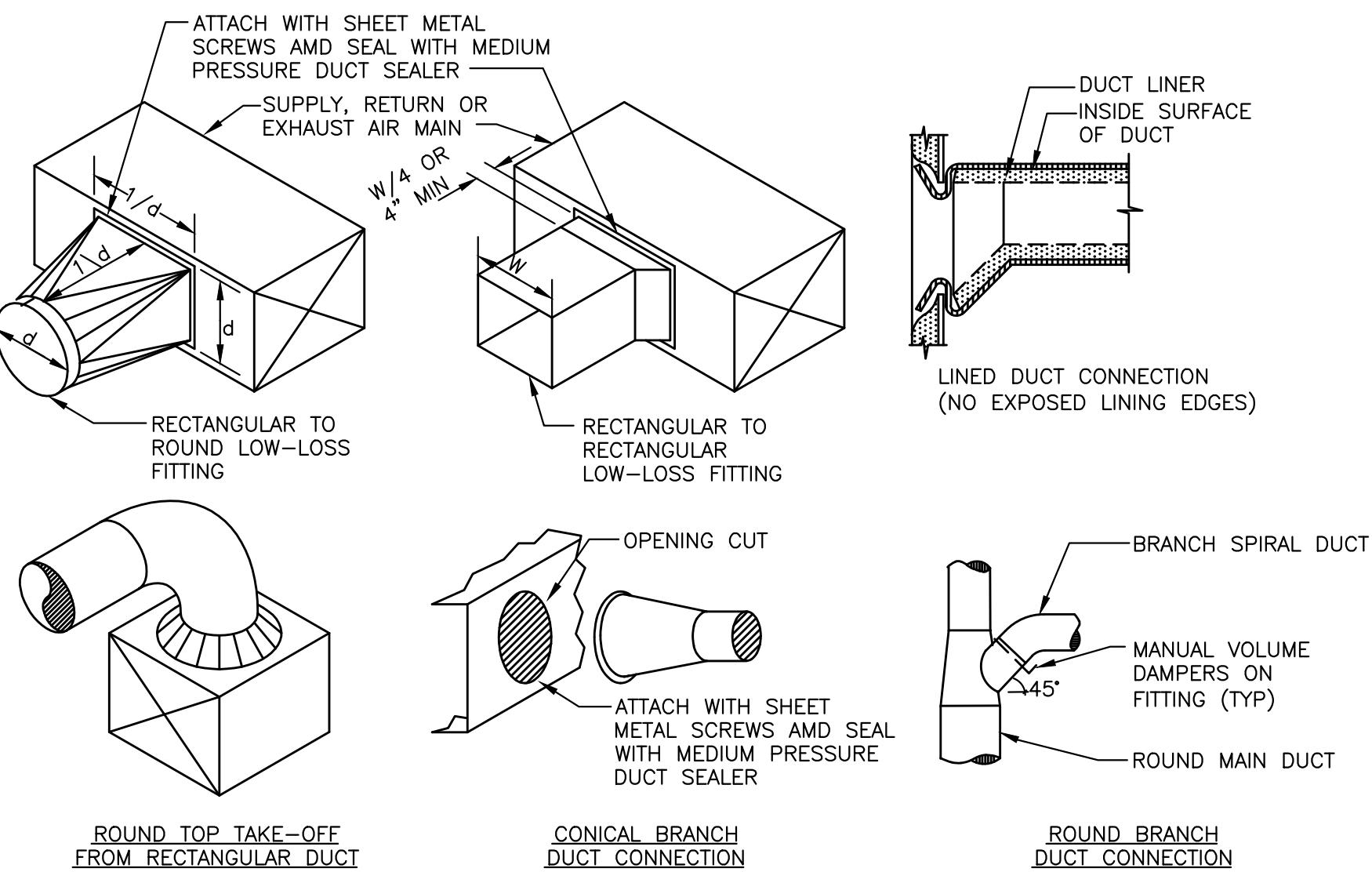
AIRFLOW CFM	SUPPLY BRANCH DUCT SIZE	TABLE B
80	5" RD	
120	6" RD OR 3-1/2" x 10"	
160	7" RD	

MINIMUM OUTSIDE AIR CALCULATION						
ROOM NAME	AREA	MIN. CFM PER AREA	MIN. CFM BY AREA	NUMBER OF PEOPLE	CFM PER PERSON	MIN. CFM BY OCCUPANT
CIRCULATION/STORAGE (03B)	241	0.15	36.15	3	15	45

TOTAL = 45 CFM



1 SCALE NONE DUCT INSTALLATION DETAIL 2 SCALE NONE DUCT SUPPORT DETAIL 3 SCALE NONE DUCT LINING DETAIL



4 SCALE NONE BRANCH DUCTWORK CONNECTIONS 5 SCALE NONE CEILING DIFFUSER DETAIL

SYMBOLS AND ABBREVIATIONS

SYMBOLS AND ABBREVIATIONS LISTED FOR GENERAL USE.
DISREGARD SYMBOLS THAT DO NOT APPEAR ON THE DRAWINGS.

LIGHT FIXTURES:
NUMERALS ADJACENT TO SYMBOL INDICATES CIRCUIT.
LOWER CASE LETTERS ADJACENT TO SYMBOL INDICATES CONTROL FROM CORRESPONDING SWITCH.

- CEILING SURFACE OR PENDANT LED, FLUORESCENT OR H.I.D. AND OUTLET BOX.
- WALL MOUNT LED OR H.I.D. AND OUTLET BOX.
- CEILING RECESSED MOUNT INCANDESCENT, FLUORESCENT OR H.I.D. AND OUTLET BOX.
- FLUORESCENT OR LED AND OUTLET BOX. (NOT DOWNTIGHT)
- FLUORESCENT OR LED, (NOT DOWNTIGHT) WIRED THROUGH FROM ADJACENT FIXTURE OR FLEX CONNECTION.
- ○ SHADE INDICATES FIXTURE CONNECTED TO EMERGENCY POWER. HALF SHADE INDICATES FIXTURE CONNECTED TO BOTH EMERGENCY AND NORMAL POWER.
- I BARE LAMP FLUORESCENT OR LED STRIP AND OUTLET BOX.
- EXIT FIXTURE CEILING OR WALL MOUNTED. PROVIDE DIRECTIONAL ARROWS AS INDICATED.
- SAME AS ABOVE AND CONNECTED TO EMERGENCY POWER SOURCE.
- POST TOP LUMINARIE WITH POLE AND BASE.

RECEPTACLES AND OUTLETS:

ALL ALTERED OR NEWLY INSTALLED ELECTRICAL OUTLETS SHALL BE ACCESSIBLE. THE CENTER OF ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS SHALL BE INSTALLED NOT MORE THAN 48 INCHES ABOVE THE FINISH FLOOR OR WORKING PLATFORM, PER CBC 1117B.6 (5.5.2).

- WALL MOUNTED AT +18" A.F.F., U.O.N.
- NUMERALS ADJACENT TO SYMBOL INDICATES CIRCUIT.
- "DECORATOR" STYLE, U.O.N.
- DEVICE & PLATE COLOR AS SELECTED BY THE ARCHITECT OR OWNER.
- 20 AMP, 125 VAC DUPLEX RECEPTACLE; P & S #CR20, LEVITON, AH, HUBBELL OR APPROVED EQUAL.
- 15 AMP, 125 VAC DUPLEX RECEPTACLE; P & S #CR15, LEVITON, AH, HUBBELL OR APPROVED EQUAL.
- 20 AMP, 125 VAC FOURPLEX RECEPTACLE; (2) P & S #CR20 IN COMMON BOX, LEVITON, AH, HUBBELL OR APPROVED EQUAL.
- GF 20 AMP, 125 VAC COMBINATION DUPLEX RECEPTACLE AND GROUND FAULT INTERRUPTER. P & S #PT2097, LEVITON, AH, HUBBELL OR APPROVED EQUAL.
- SAME AS ABOVE, EXCEPT MOUNT HORIZONTALLY ABOVE COUNTER BACKSPLASH.
- SAME AS ABOVE, EXCEPT MOUNT HORIZONTALLY ABOVE COUNTER BACKSPLASH.
- 20 AMP, 125 VAC FLOOR MOUNTED DUPLEX RECEPTACLE AS DESCRIBED ON THE DRAWINGS.
- SPECIAL POWER RECEPTACLE AS DESCRIBED ON THE PLANS.
- WALL TELEPHONE OUTLET, 4" X 4" X 1-1/2" DEEP BOX WITH SINGLE GANG RING AND COVER PLATE.
- FLOOR TELEPHONE OUTLET AS DESCRIBED ON THE DRAWINGS.
- SURFACE MULTI-OUTLET ASSEMBLY, WIREMOLD/PLUGMOLD SERIES #G-3000 (OR #G-4000 AS NOTED) WITH 20 AMP, 125 VAC DUPLEX RECEPTACLE OUTLETS AT 3'-0" CENTERS (U.O.N.). DEVICES SHALL BE WIRED ALTERNATELY SUCH THAT NO ADJACENT DEVICES ARE ON THE SAME CIRCUIT. MOUNT ABOVE COUNTER AND/OR BACKSPLASH, UNLESS OTHERWISE NOTED.
- TELEPHONE OUTLET AS HEREINBEFORE DESCRIBED, WITH 3/4" C.O., CONCEALED UP IN WALL AND STUBBED ABOVE ACCESSIBLE CEILING.

MISCELLANEOUS:

- NUMBER IN TOP HEMISPHERE IDENTIFIES DETAIL / DIAGRAM NUMBER. REFER TO DETAIL / DIAGRAM NUMBER SHOWN ON THE SHEET REFERENCED IN THE BOTTOM HEMISPHERE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- NUMBER IN BOTTOM HEMISPHERE IDENTIFIES DRAWING SHEET WHERE THE DETAIL DIAGRAM, ETC. IS SHOWN. REFER TO DETAIL / DRAWING NUMBER SHOWN ON THE SHEET REFERENCED IN THE BOTTOM HEMISPHERE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- LIGHT FIXTURE IDENTIFICATION TAG, SEE "LIGHT FIXTURE SCHEDULE".
- SHEET NOTE IDENTIFICATION TAG, SEE "SHEET NOTES" ON THE RESPECTIVE DRAWINGS WHERE THE SYMBOL OCCURS, U.O.N.
- POWER EQUIPMENT IDENTIFICATION TAG, SEE "EQUIPMENT SCHEDULE".
- GROUND ROD IN INSPECTION WELL, SEE TYPICAL DETAIL ON PLANS.
- GROUND ROD.
- JUNCTION BOX (NOT ALL SHOWN), SIZE AS REQUIRED BY CODE, WITH B.M.C.; BLANK STAINLESS STEEL COVER WHERE FLUSH IN FINISHED AREAS.
- DATA OUTLET FOR (2); SINGLE GANG RING WITH (2) PULL STRINGS UP IN WALL.
- DATA OUTLET FOR (4); TWO GANG RING WITH (4) PULL STRINGS UP IN WALL.

SYSTEMS DEVICES AND OUTLETS:

- FIRE ALARM MANUAL PULL STATION, WALL MOUNT AT +18" UNLESS OTHERWISE NOTED.
- FIRE ALARM VISUAL INDICATING DEVICE (WHERE SHOWN NUMERAL INDICATED THE RESPECTIVE DEVICE CANDELA RATINGS).
- FIRE ALARM IONIZATION DETECTOR, SURFACE CEILING OR WALL MOUNT.
- TELEVISION OUTLET, WALL MOUNT AT +18" UNLESS OTHERWISE NOTED.
- SPEAKER WITH BACKBOX AND GRILL, CEILING OR WALL MOUNT.
- SPEAKER WITH BACKBOX AND GRILL, FLUSH CEILING OR WALL MOUNT.
- VOLUME CONTROL, WALL MOUNT AT +42" UNLESS OTHERWISE NOTED.
- CLOCK, CEILING OR WALL MOUNT PER SPECIFICATIONS, OR AS DESCRIBED ON THE DRAWINGS.

PLAN CHECK ALERT "TAG". INTENDED TO ASSIST PLAN CHECKER (AND THE CONTRACTOR) IN LOCATING CERTAIN SPECIFIC INFORMATION ON THE DRAWINGS.

NOTE: GENERALLY, SYMBOLS SHOWN DASHED ON DRAWINGS INDICATES THE SYMBOL (DEVICE, OUTLET, ETC.) TO BE REMOVED AS PART OF THE PROJECT SCOPE.

GENERAL NOTES

GENERAL:

THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE THE TYPED ELECTRICAL SPECIFICATIONS AND ARE COMPLEMENTARY. THE TYPED SPECIFICATIONS ARE SPECIFICALLY AN INTEGRAL PART OF THESE PROJECT REQUIREMENTS AND SHALL BE STRICTLY ADHERED TO.

THE WORK, INFORMATION, DESIGNS, CONCEPTS AND IDEAS SHOWN ON THESE DRAWINGS IS SITE AND PROJECT SPECIFIC, AND IS INTENDED TO BE USED FOR THIS ONE PROJECT ONLY. NO WARRANTIES EXPRESSED OR IMPLIED FOR ANY USE OR PURPOSE BEYOND THAT FOR WHICH THESE DRAWINGS WERE CREATED AND INTENDED.

READ THE SPECIFICATIONS AND COMPLY WITH ALL REQUIREMENTS CONTAINED THEREIN. CONSULT WITH THE GENERAL CONTRACTOR AND ALL OTHER CONTRACTORS ON THE PROJECT TO OBTAIN INFORMATION PERTAINING TO THE ELECTRICAL SYSTEM AND ALL EQUIPMENT WHICH REQUIRES ELECTRICAL POWER TO OPERATE. PROPOSE IN BID ALL MATERIALS AND WORKMANSHIP REQUIRED TO MAKE A COMPLETE AND OPERATIONAL FACILITY.

REVIEW ALL OTHER DRAWINGS AND SPECIFICATIONS, INCLUDE ALL MATERIALS AND WORKMANSHIP FOR ALL EQUIPMENT REQUIRING ELECTRICAL POWER.

THESE ELECTRICAL DRAWINGS, ALTHOUGH VARIOUS "SCALES" MAY BE LISTED, ARE NOT INTENDED TO BE, NOR ARE THEY "TO SCALE", AND THESE DRAWINGS SHALL NOT BE SCALLED. "SCALES" SHOWN ARE APPROXIMATE ONLY, OBTAIN ALL DISTANCES FROM ACTUAL FIELD MEASUREMENTS AND FROM ARCHITECTURAL, CIVIL, STRUCTURAL AND SIMILAR DRAWINGS THAT ARE DIMENSIONED AND ARE INTENDED TO BE SCALLED.

PERMITS AND CHARGES:

OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.

REGULATIONS AND CODES:

PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL OTHER CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURERS RECOMMENDATIONS.

VERIFYING EXISTING CONDITIONS:

BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.

COORDINATION:

COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.

COMBINATION MAGNETIC MOTOR STARTER AND CIRCUIT BREAKER PER SPECIFICATIONS OR AS NOTED ON THE PLANS.

COMBINATION MAGNETIC MOTOR STARTER AND FUSED DISCONNECT SWITCH PER SPECIFICATIONS OR AS NOTED ON THE PLANS.

"PACKAGED" MECHANICAL EQUIPMENT WITH INTEGRAL STARTER(S) AND CONTROL PANEL.

BRANCH CIRCUIT PANELBOARD, FLUSH OR SURFACE MOUNT. SEE "PANEL SCHEDULES" FOR ADDITIONAL INFORMATION. COPPER BUSS AND "BOLT-ON" CIRCUIT BREAKERS, U.O.N.

TERMINAL CABINET, FLUSH OR SURFACE MOUNT.

MAIN SWITCHBOARD, MOTOR CONTROL CENTER, DISTRIBUTION PANEL OR OTHER MAJOR ITEM OF ELECTRICAL EQUIPMENT. COPPER BUSSES U.O.N.

VENTILATED DRY TYPE TRANSFORMER. COPPER WINDINGS AND AS OTHERWISE SPECIFIED.

GUARANTEE:

CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.

SHOP DRAWINGS:

SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR CERTIFYING COMPLETE CONFORMANCE WITH ALL PROJECT REQUIREMENTS PRIOR TO SUBMITTAL.

CONTRACTOR'S BID:

CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST IN WRITING FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BIDDING. SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER.

MATERIAL AND INSTALLATION:

ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.

ALL MATERIALS SHALL BE NEW AND LISTED BY UNDERWRITERS LABORATORY (U.L.).

ALL ELECTRIC EQUIPMENT OVER 48 VOLTS SHALL BE LABELED AND INSTALLED PER THE LISTING.

DEDICATED ELECTRICAL SPACE:

THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 1.8 M (6 FT) ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER, SHALL BE DEDICATED TO THE ELECTRICAL INSTALLATION. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THIS ZONE. NEC110.26(F)(1).

POWER:

COPPER MC IS PERMITTED.

ALL EXPOSED BOXES, CONDUITS, FITTINGS, BOXES, HARDWARE, ETC. SHALL BE PAINTED OR OTHERWISE FINISHED AS DIRECTED BY THE ARCHITECT.

FEEDERS AND BRANCH CIRCUITS IDENTIFICATION:

IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, LOAD END, AND IN PULL BOXES WITH E-Z CODE OR OTHER APPROVED WIRE MARKER.

IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS, THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-Z CODE FOR IDENTIFICATION OF CONDUCTORS. IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET.

CONDUCTORS:

PROVIDE INDIVIDUAL INSULATED COPPER CONDUCTORS #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. CONDUCTORS SHALL HAVE 90 DEGREE C THHN/THWN 600 VOLTS INSULATION, UNLESS OTHERWISE NOTED.

REDUNDANT GROUND PATH (AKA "HOSPITAL GRADE") "MC" CABLE MAY BE USED FOR INDIVIDUAL BRANCH CIRCUITS WHERE CONCEALED.

ALL CONDUCTORS IN RACEWAYS SHALL BE OF THE AWG SIZES NOTED AND INSULATED FOR 600 VOLTS; SHALL BE SOFT DRAWN STRANDED, COPPER WITH THHN/THWN INSULATION. WHERE CONDUCTOR SIZE IS NOT INDICATED ON THE DRAWINGS, THE WIRE SHALL BE NO. 12 THHN / THWN, MINIMUM. ALL CONDUCTORS AND ALL WIRES SHALL BE INSTALLED IN CONDUITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

WIRE SIZE, INSULATION TYPE AND THE MANUFACTURER'S NAME SHALL BE PERMANENTLY MARKED ON THE CONDUCTOR JACKET AT REGULAR INTERVALS.

ALL BRANCH CIRCUIT WIRES SHALL BE IDENTIFIED BY USING FACTORY COLOR-CODED, WITH A SEPARATE COLOR FOR EACH PHASE. ALL FEEDER CABLES SHALL BE IDENTIFIED BY USING COLOR BANDS AT ALL TERMINATIONS, JUNCTIONS AND WHEREVER THE WIRES ARE ACCESSIBLE IN PULL BOXES. THE NEUTRAL INSULATION SHALL BE WHITE AND THE EQUIPMENT GROUND SHALL BE GREEN.

CABLE COLOR CHART

120/208 VAC.

PHASE A SHALL BE BLACK.

PHASE B SHALL BE RED.

PHASE C SHALL BE BLUE.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.

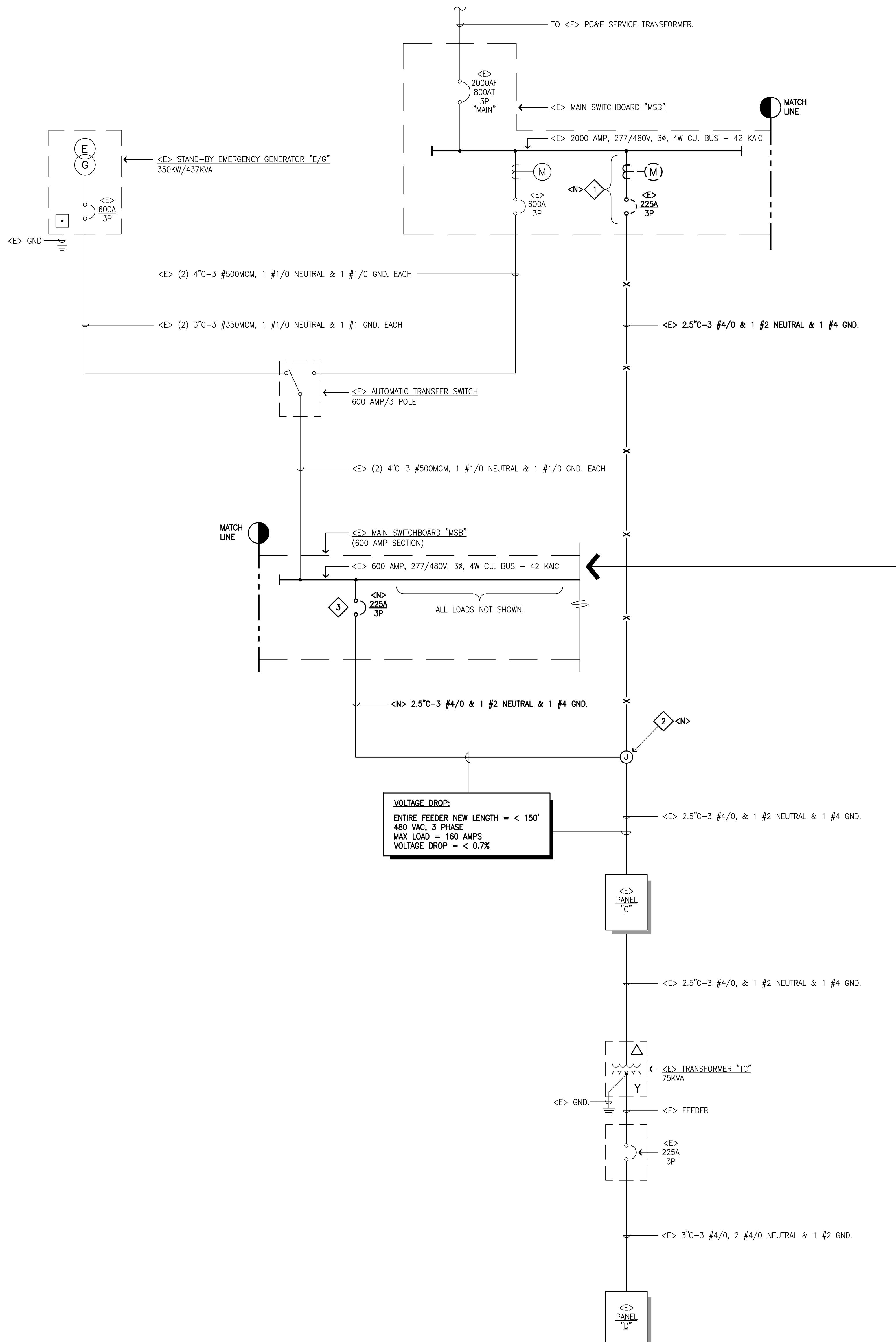
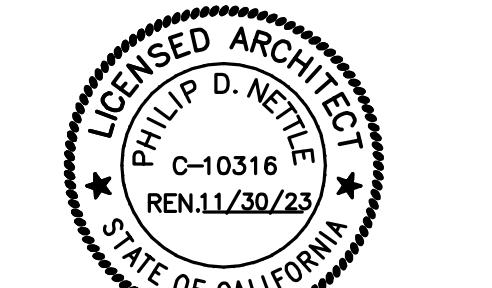
NEUTRAL SHALL BE WHITE OR LT GRAY.

GROUND SHALL BE GREEN.

PHASE A SHALL BE BROWN.

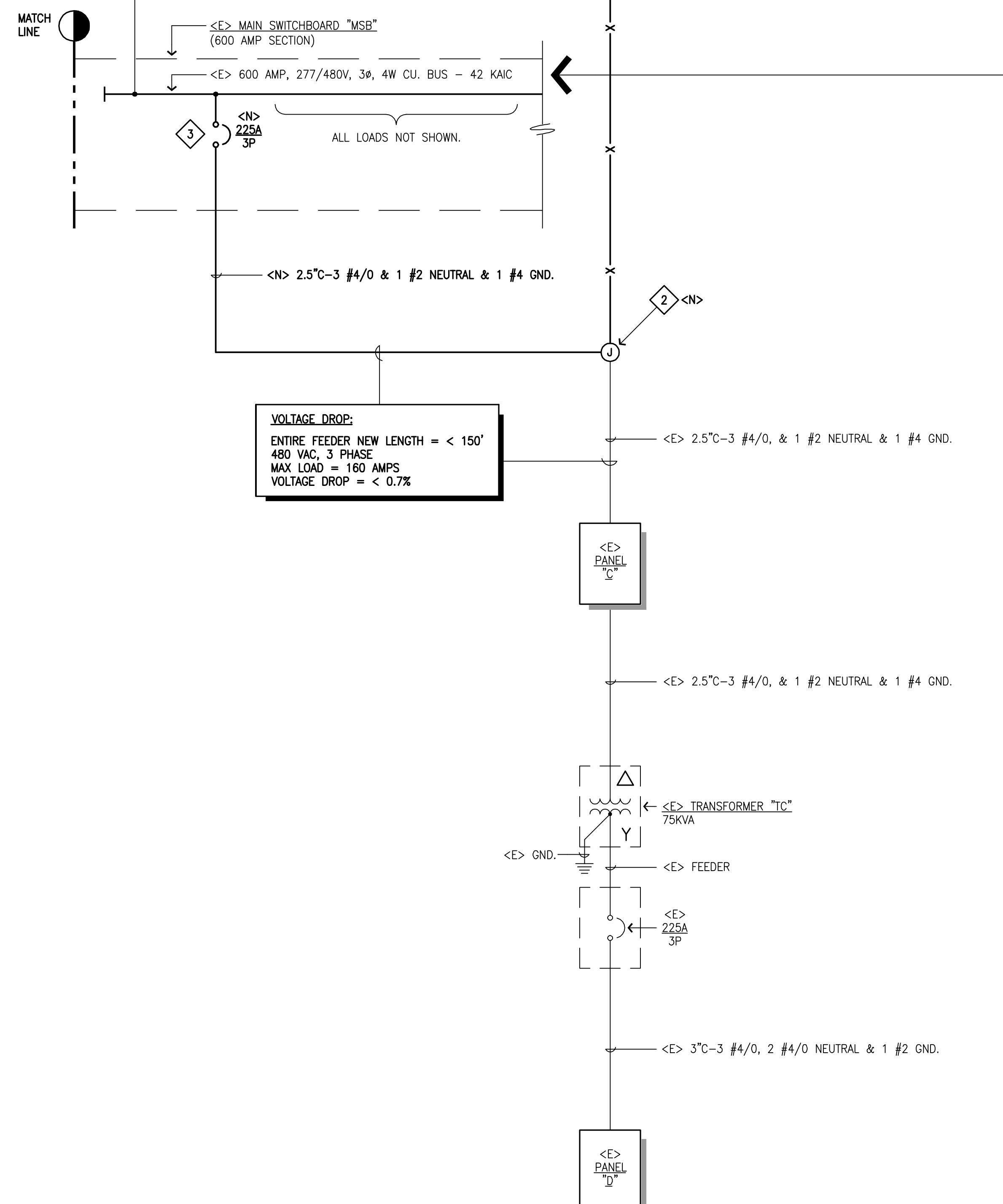
PHASE B SHALL BE PURPLE.

PHASE C SHALL BE YELLOW.



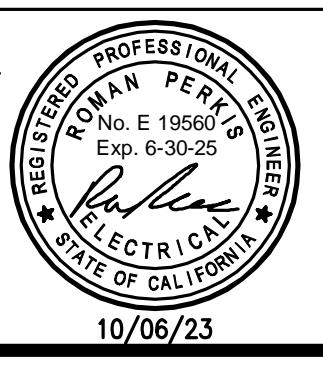
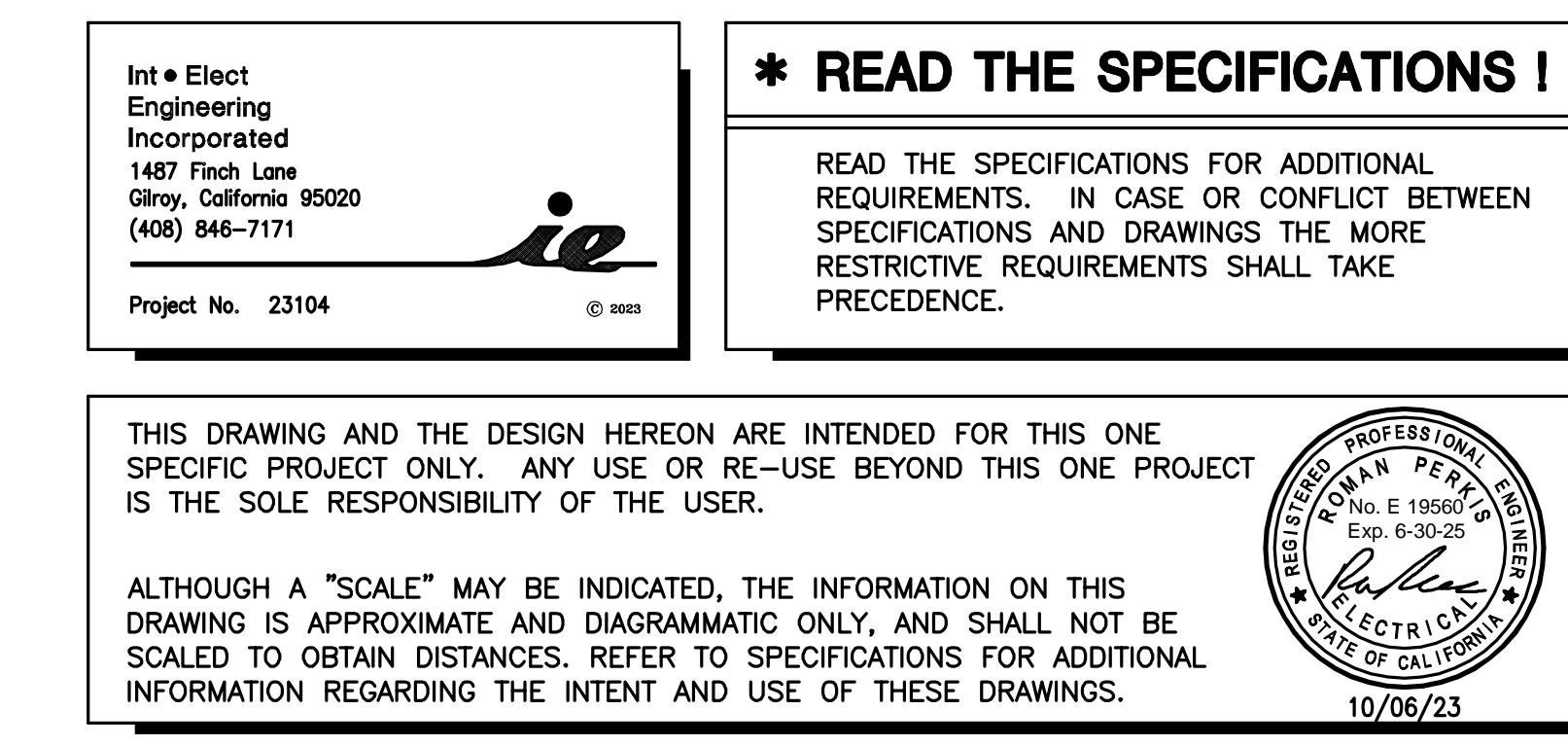
<E> PANEL "C" SCHEDULE					
MAIN BUS AMPS: <input type="checkbox"/> 100 AMP <input checked="" type="checkbox"/> 225 AMP <input type="checkbox"/> 400 AMP			MAINS: <input type="checkbox"/> MAIN LUG ONLY <input type="checkbox"/> A/3P C.B.		
VOLTS: <input type="checkbox"/> 120/240, 3Ø, 4W			TYPE: <input type="checkbox"/> P1 MOUNT: <input type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH		
LOAD	VOLTS-AMPS	CIRCUIT	CIRCUIT	VOLTS-AMPS	LOAD
Ø A Ø B Ø C	Ø A Ø B Ø C	# BKR.	Ø A Ø B Ø C	# BKR.	
<E> AC #1			30	1	<E> LOAD (LIGHTS)
			<E>	3	
				4	
				5	
<E> AC #2			30	7	<E> TRANSFORMER
			<E>	8	100/600
				9	1200
<E> AC #3			30	13	<E> LOAD (LIGHTS)
			<E>	14	20/1
				15	
<E> SPACE			3	17	<E> SPACE
				18	
				19	
				20	1P
				21	
				22	
				23	
				24	
				25	
				26	
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				39	
				40	
				41	
				42	
CONNECTED <N>LOAD/PHASE	<E>	<E>		600 1200 720	CONNECTED <N>LOAD/PHASE
TOTAL CONNECTED <N>LOAD IN KVA: 2.52 HIGH PHASE <N>LOAD IN AMPS: 4.3					

<E> SHEET NOTES					
1. EXISTING BREAKER AND PG&E METERING, COORDINATE WITH PG&E FOR THE REMOVAL OF THE METERING EQUIPMENT AND BLANK OFF / SAFE OFF THE METER SOCKET. DISCONNECT AND REMOVE PORTION OF THE EXISTING FEEDER. PLACE THE CIRCUIT BREAKER HANDLE IN THE OFF POSITION, INSTALL PAD LOCKABLE LOCK-OFF DEVICE WITH BRAND NEW PADLOCK (FURNISH 2 KEYS TO THE OWNER), AND INSTALL ENGRAVED LABEL READING "ABANDONED IN PLACE".					
2. DIAGRAMMATIC, INTERCEPT EXISTING FEEDER AND EXTEND TO THE NEW BREAKER. SPLICE SHALL BE EXOTHERMIC, TYPE PROPERLY INSULATED IN CODE SIZED BOX.					
3. FURNISH, INSTALL AND CONNECT NEW CIRCUIT BREAKER AND ALL NECESSARY HARDWARE IN EXISTING SPACE. NEW BREAKER SHALL MATCH OR EXCEED TO AVAILABLE FAULT CURRENT RATING OF THE SWITCHBOARD, SHALL MATCH THE EXISTING IN MANUFACTURER, AND SHALL BE LISTED FOR INSTALLATION IN THE EXISTING SWITCHBOARD.					



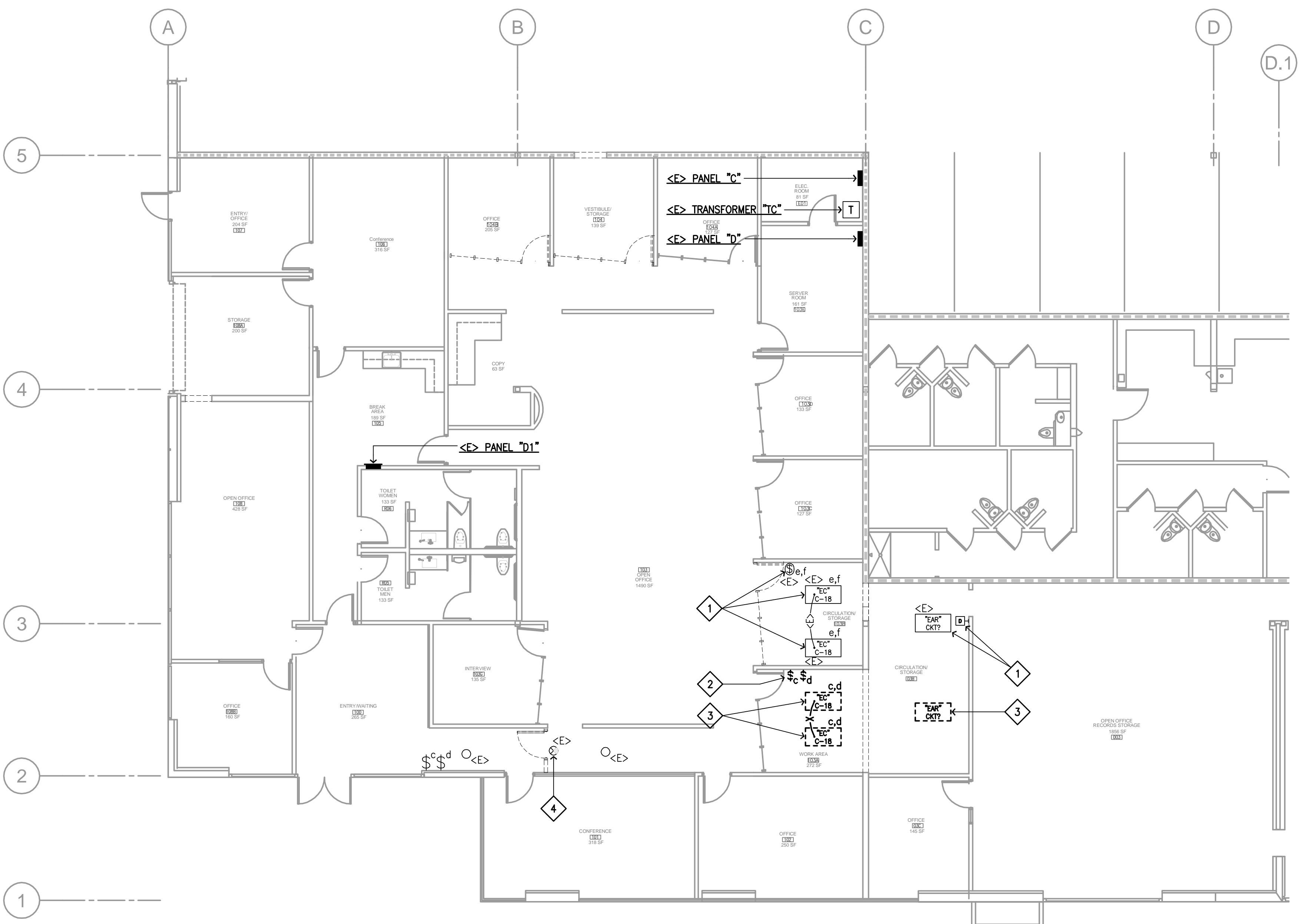
<E> LOAD CALCULATIONS					
30 DAY (+) RECORDING AMMETER READINGS STARTED ON 06/14/23					
<E> 600 AMP MSB SECTION, 2,000 AMP SERVICE MSB BUS AND E/G LOADS:					
30 DAY RECORDING AMMETER READINGS STARTED ON 06 / 14 / 2023					
<E> PEAK DEMAND (HIGH PHASE X 3) = 175.2 KVA + 25% PER NEC = 43.8 KVA TOTAL <E> = 219.1 KVA					
THIS PROJECT LOADS BEING TRANSFERRED AND BEING CONNECTED TO THE <E> 600 AMP MSB BUS AND E/G:					
CALCULATED PER NEC 220.12 AND 220.14 TI AREA INVOLVED = 5,900 SQUARE FEET					
LIGHTING AT 1.3 VA / SQ FT = 7.8 KVA					
RECEPTACLE LOAD: 70 RECEPTACLES AT 180 VA EA = 12.6 KVA FUTURE PWR POLE RECEPTS = 8.4 KVA TOTAL = 21.0 KVA					
1ST 10 KVA @ 100% = 10 KVA 11.0 KVA @ 50% = 5.5 KVA DEMAND TOTAL = 15.5 KVA					
KITCHEN RECEPTACLES @ 100% = 4.5 KVA					
HVAC LOAD @ 100% = 58.5 KVA + 25% OF LARGEST MOTOR = 1.0 KVA HVAC TOTAL = 59.5 KVA					
IT ROOM RECEPTACLES AT 100% = 9.0 KVA IT ROOM HVAC AT 100% = 11.0 KVA TOTAL THIS PROJECT AREA LOAD = 107.3 KVA					
TOTAL LOAD = 326.4 KVA					
CALCULATION:					

<E> PANEL "D" SCHEDULE					
MAIN BUS AMPS: <input type="checkbox"/> 100 AMP <input checked="" type="checkbox"/> 225 AMP <input type="checkbox"/> 400 AMP			MAINS: <input type="checkbox"/> MAIN LUG ONLY <input type="checkbox"/> A/3P C.B.		
VOLTS: <input type="checkbox"/> 120/240, 3Ø, 4W			TYPE: <input type="checkbox"/> P1 MOUNT: <input type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH		
LOAD	VOLTS-AMPS	CIRCUIT	CIRCUIT	VOLTS-AMPS	LOAD
Ø A Ø B Ø C	Ø A Ø B Ø C	# BKR.	Ø A Ø B Ø C	# BKR.	
<E> LOAD			20/1	<E>	<E> PANEL "D1"
			<E>	3	
				4	
				5	
				6	
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				9	
				10	
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				40	
				41	
				42	
CONNECTED <N>LOAD/PHASE	<E>	<E>	<E>	600 1200 720	CONNECTED <N>LOAD/PHASE
TOTAL CONNECTED <N>LOAD IN KVA: 2.52 HIGH PHASE <N>LOAD IN AMPS: 10.0					



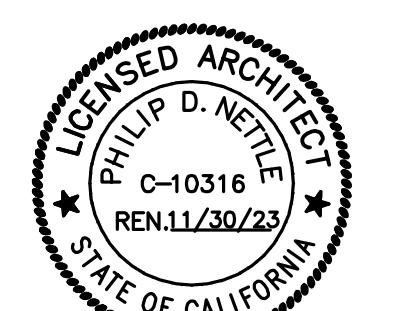


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SHEET NOTES

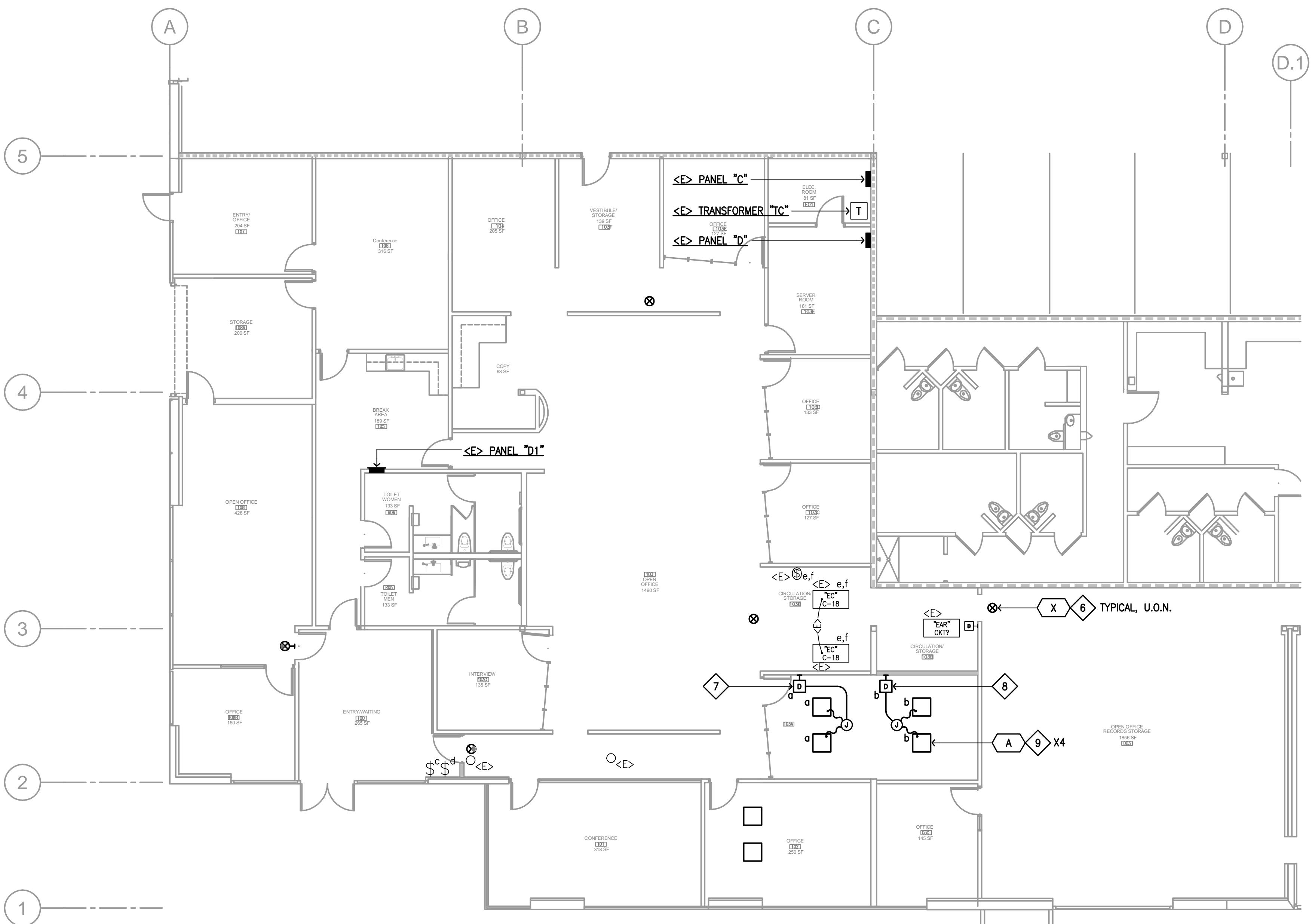
- EXISTING LIGHT FIXTURE AND ASSOCIATED SWITCHES REMAINING. NOT ALL SHOWN AND NOT LIMITED TO THOSE SHOWN WITH THIS SHEET NOTE TAG.
- REMOVE EXISTING PAIR SPST SWITCHES. SEE B/E-2.1 FOR NEW DEVICE IN EXISTING BOX.
- REMOVE EXISTING LIGHT FIXTURE AND TURN OVER TO THE OWNER.
- RELOCATE EXISTING EXIT SIGN FIXTURE. EXTEND EXISTING CIRCUIT TO THE NEW LOCATION.
- NEW LOCATION OF EXISTING EXIT SIGN FIXTURE IDENTIFIED TO BE RELOCATED PER PLAN A/E-2.1.
- NEW EXIT SIGN FIXTURE SHALL BE ALWAYS ON / UNSWITCHED. CONNECT TO THE NEAREST AVAILABLE CIRCUIT HAVING ADEQUATE CAPACITY FOR THE ADDITIONAL LOAD.
- NEW DIMMER IN EXISTING BOX WITH NEW CONDUCTORS TO THE NEW LIGHTS.
- NEW DIMMER IN NEW BOX WITH NEW CONDUCTORS TO THE NEW LIGHTS.
- CONNECT TO THE EXISTING LIGHTING CIRCUIT FROM THE EXISTING REMOVED FIXTURE.



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LIGHTING DEMOLITION PLAN

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



<N> LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION
A	2X2 CEILING RECESSED LED FIXTURE WITH SMOOTH SQUARE REFLECTOR, DIMMING TO 1%, INTEGRAL PIR SENSOR, WIRED N-LIGHT, MULTIVOLT, 4800 LUMENS, 3500 COLOR TEMP. LITHONIA #2BLT2-SMOOTH-STATIC-48L-SDSM-MVOLT-EZ1-LP935-N100-NE57 - OR APPROVED EQUAL. 42.9 INPUT WATTS
X	SINGLE FACE GREEN LETTERS EXIT SIGN FIXTURE WITH INTEGRAL BATTERY AND CHARGER TO PROVIDE MINIMUM ILLUMINATION IN THE EVENT OF THE LOSS OF UTILITY POWER. SHALL ALWAYS BE ON AND NOT SWITCHED. MULTIVOLT. LITHONIA #EXRG-EL-M6 - OR APPROVED EQUAL. 1.0 INPUT WATT

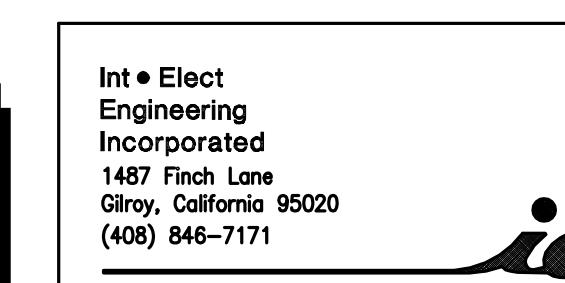
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MORGAN HILL, CA 95037

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WALL LEGEND

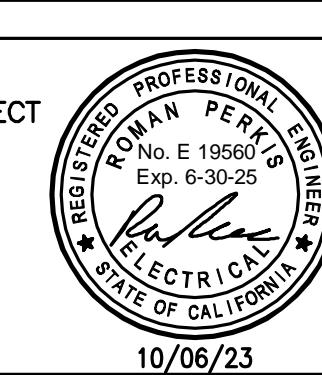
- EXISTING CONSTRUCTION TO REMAIN (WALLS 25 GA 24"O.C.W/O INSUL., TYP. PER RECORD DOCUMENTS)
- TYPE A: NEW BLDG. STD. INTERIOR PARTITION TO THE UNDERSIDE OF CEILING. 3-5/8" METAL STUDS W/ 5/8" GYP. BD. SIDE AND ACOUSTICAL INSULATION. WALLS WITHOUT SYMBOLS ARE TYPE "A", TYP.
- EXISTING FULL HEIGHT, 2-HOUR FIRE-RATED/OCCUPANCY SEPARATION, METAL STUD PARTITION.
- EXISTING 40" HIGH CMU PARTITION WITH 6" METAL STUD INFILL ABOVE TO DECK: NON-STRUCTURAL



*** READ THE SPECIFICATIONS !**
READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

THIS DRAWING AND THE DESIGN HEREON ARE INTENDED FOR THIS ONE SPECIFIC PROJECT ONLY. ANY USE OR RE-USE BEYOND THIS ONE PROJECT IS THE SOLE RESPONSIBILITY OF THE OWNER.

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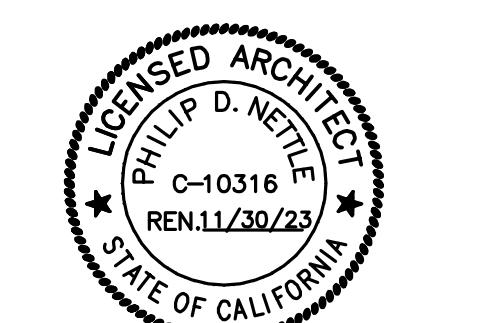
DRAWING TITLE:
LIGHTING PLANS

DRAWING NO.:
E-2.1

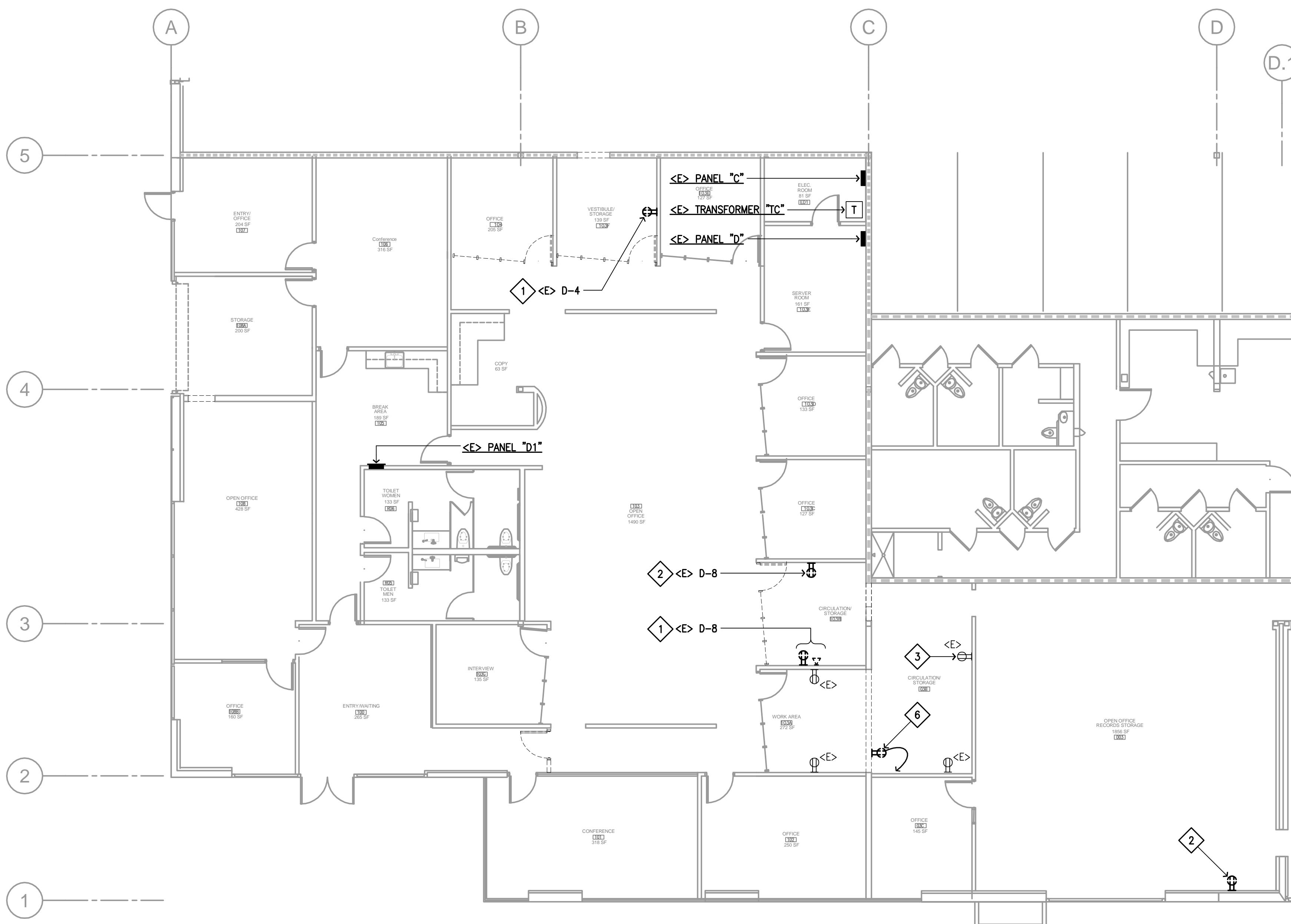
SCALE: AS NOTED



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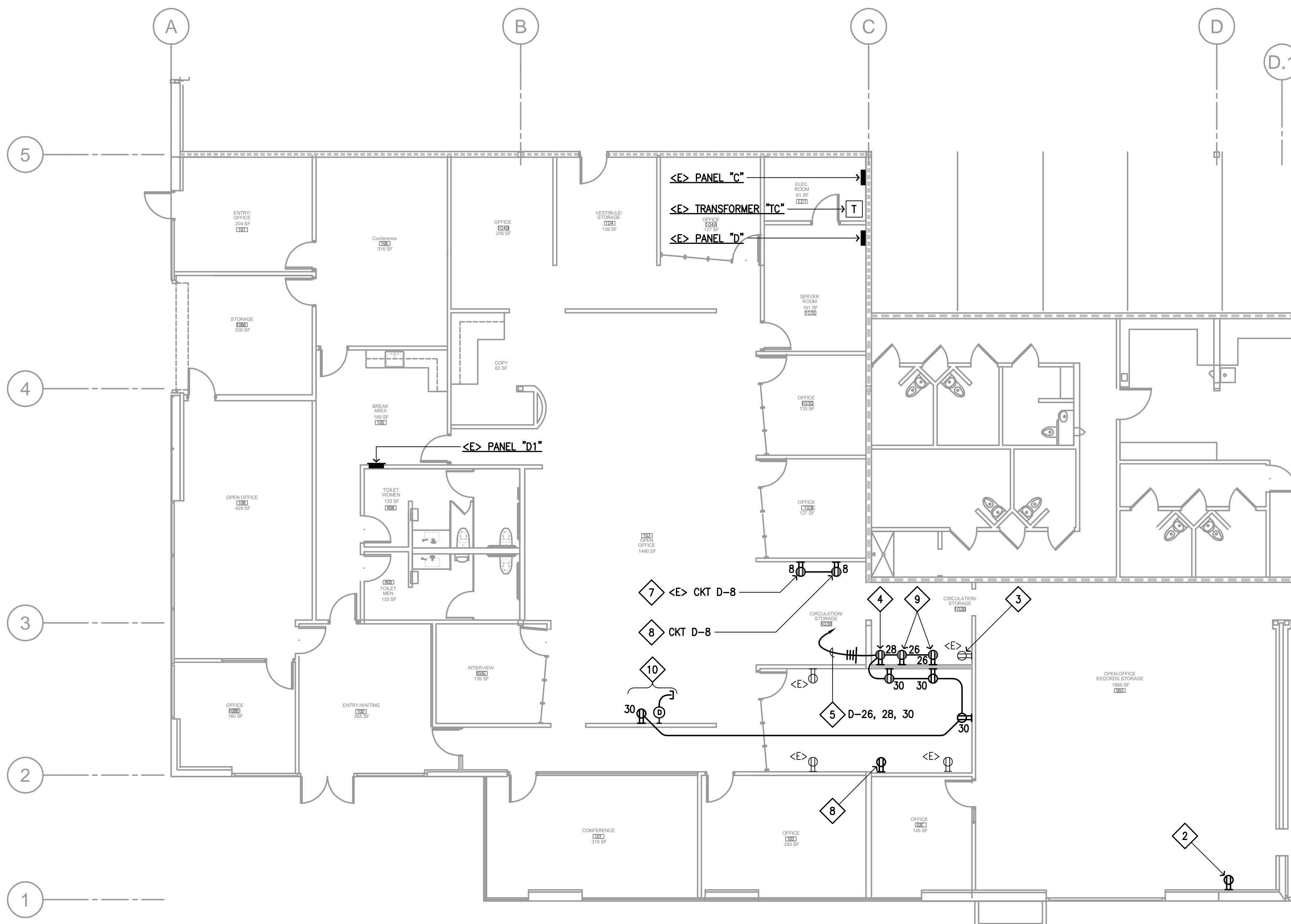


SHEET NOTES

1. REMOVE EXISTING DEVICE AND OUTLET BOX BEHIND NEW CASEWORK. REARRANGE, RECONFIGURE AND REWORK THE EXISTING BRANCH CIRCUIT CONDUIT AND CONDUCTORS TO NOT PASS THROUGH THIS OUTLET BOX POSITION AND MAINTAIN BE EXISTING REMAINING OUTLETS AND/OR DEVICES IN SERVICE.
2. RELOCATE EXISTING DEVICES AND ASSOCIATED OUTLET BOXES UP ON THE SAME WALL TO BE ABOVE THE NEW CASEWORK. REARRANGE, RECONFIGURE AND REWORK THE EXISTING BRANCH CIRCUIT CONDUIT AND CONDUCTORS TO NOT PASS THROUGH THIS OUTLET BOX POSITION AND MAINTAIN BE EXISTING REMAINING OUTLETS AND/OR DEVICES IN SERVICE.
3. EXISTING RECEPTACLE UTILIZED BY EXISTING REFRIGERATOR SHALL REMAIN FOR THE REFRIGERATOR.
4. LOCATE ABOVE COUNTER / BACKSPLASH FOR MICROWAVE OVEN.
5. HOMERUN CONCEALED.
6. RELOCATE EXISTING DEVICE. REMOVE CONDUIT / WIRING SYSTEM FROM WALL BEING DEMOLISHED AND RECONFIGURE TO MAINTAIN INTEGRITY OF THE EXISTING BRANCH CIRCUITS.
7. NEW LOCATION OF RECEPTACLE IDENTIFIED TO BE RELOCATED UP TO BE ABOVE COUNTER / BACKSPLASH PER PLAN A/E-3.1.
8. NEW LOCATION OF RECEPTACLE IDENTIFIED TO BE RELOCATED PER PLAN A/E-3.1.
9. LOCATE ABOVE COUNTER / BACKSPLASH.
10. LOCATE FOR WALL MOUNT MONITOR POWER AND DATA. VERIFY THE EXACT LOCATION PRIOR TO ROUGH-IN.

A POWER DEMOLITION PLAN

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



NOTES:

1. COORDINATE AND PROVIDE ALL ELECTRICAL DEMOLITION REQUIRED TO ALLOW FOR THE REMOVAL OF WALLS, ETC. WITH ALL OTHER TRADES.
2. REFER TO DEMOLITION NOTES PORTION OF THE GENERAL NOTES. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

WALL LEGEND

- EXISTING CONSTRUCTION TO REMAIN (WALLS 25 GA 24"O.C.W/O INSUL.,TYP. PER RECORD DOCUMENTS)
- TYPE A: NEW BLDG. STD. INTERIOR PARTITION TO THE UNDERSIDE OF CEILING. 3-5/8" METAL STUDS W/ 5/8" GYP. BD. SIDE AND ACOUSTICAL INSULATION. WALLS WITHOUT SYMBOLS ARE TYPE "A", TYP.
- EXISTING FULL HEIGHT, 2-HOUR FIRE-RATED/OCCUPANCY SEPARATION, METAL STUD PARTITION.
- EXISTING 40" HIGH CMU PARTITION WITH 6" METAL STUD INFILL ABOVE TO DECK: NON-STRUCTURAL

NOTES:

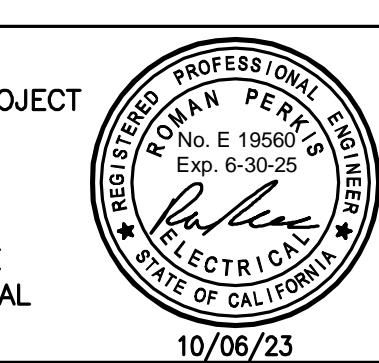
1. CONDUITS SHALL BE 0.75 INCH UNLESS OTHERWISE NOTED.
2. ALL MATERIALS AND WORK SHOWN ON THIS SHEET SHALL BE NEW UNLESS OTHERWISE NOTED OR INDICATED.
3. VERIFY EXACT DEVICE, OUTLET, FIXTURE, SURFACE AND EXPOSED RACEWAY LOCATIONS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF THE WORK.

*** READ THE SPECIFICATIONS !**

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

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MORGAN HILL, CA 95037

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DRAWING TITLE:
POWER PLANS

DRAWING NO.:
E-3.1

SCALE: AS NOTED

ELECTRICAL SPECIFICATIONS

PART 1

SECTION 260519 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 - GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. BUILDING WIRES AND CABLES RATED 600 V AND LESS.
2. CONNECTORS, SPLICES, AND TERMINATIONS RATED 600 V AND LESS.

1.2 ACTION SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.

1.3 INFORMATIONAL SUBMITTALS

A. FIELD QUALITY-CONTROL REPORTS.

PART 2 - PRODUCTS

2.1 CONDUCTORS AND CABLES

A. COPPER CONDUCTORS: COMPLY WITH NEMA WC 70/IEC S-95-658.
B. CONDUCTOR INSULATION: COMPLY WITH NEMA WC 70/IEC S-95-658 FOR TYPE THHN-2-THWN-2.

2.2 CONNECTORS AND SPLICES

A. DESCRIPTION: FACTORY-FABRICATED CONNECTORS AND SPLICES OF SIZE, AMPACITY RATING, MATERIAL, TYPE, AND CLASS FOR APPLICATION AND SERVICE INDICATED.

2.3 SYSTEM DESCRIPTION

A. ELECTRICAL EQUIPMENT, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

B. COMPLY WITH NFPA 70.

PART 3 - EXECUTION

3.1 CONDUCTOR MATERIAL APPLICATIONS

A. FEEDERS: COPPER, SOLID FOR NO. 10 AWG AND SMALLER; STRANDED FOR NO. 8 AWG AND LARGER.
B. BRANCH CIRCUITS: COPPER, SOLID FOR NO. 12 AWG AND SMALLER; STRANDED FOR NO. 10 AWG AND LARGER.

3.2 CONDUCTOR INSULATION AND WIRING METHODS

A. FEEDERS: TYPE THHN-2-THWN-2, SINGLE CONDUCTORS IN RACEWAY, REDUNDANT GROUND METAL-CLAD CABLE, TYPE MC.

3.3 INSTALLATION OF CONDUCTORS AND CABLES

A. CONCEAL CABLES IN FINISHED WALLS, CEILINGS, AND FLOORS UNLESS OTHERWISE INDICATED.
B. COMPLETE RACEWAY INSTALLATION BETWEEN CONDUCTOR AND CABLE TERMINATION POINTS ACCORDING TO SECTION 260533 "RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS" PRIOR TO PULLING CONDUCTORS AND CABLES.
C. MAKE SURE THAT UNPULLED PULLING COMPOUND OR LUBRICANT WHERE NECESSARY; COMPOUND USED MUST NOT DETERIORATE CONDUCTOR OR INSULATION. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM PULLING TENSIONS AND SIDEWALL PRESSURE VALUES.
D. USE PULLING MEANS, INCLUDING FISH TAPE, CABLE, ROPE, AND BASKET-WEAVE WIRE/CABLE GRIPS, THAT WILL NOT DAMAGE CABLES OR RACEWAY.
E. INSTALL EXPOSED CABLES PARALLEL AND PERPENDICULAR TO SURFACES OF EXPOSED STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.

3.4 CONNECTIONS

A. TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS ACCORDING TO MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES. IF MANUFACTURER'S TORQUE VALUES ARE NOT INDICATED, USE THOSE SPECIFIED IN UL 486A-486B.
B. MAKE SPLICES, TERMINATIONS, AND TAPS THAT ARE COMPATIBLE WITH CONDUCTOR MATERIAL AND THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN UNSPLICED CONDUCTORS.
C. WIRING AT OUTLETS: INSTALL CONDUCTOR AT EACH OUTLET, WITH AT LEAST 12 INCHES OF SLACK.

3.5 IDENTIFICATION

A. IDENTIFY COLOR-CODE CONDUCTORS AND CABLES ACCORDING TO SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS."
B. IDENTIFY EACH SPARE CONDUCTOR AT EACH END WITH IDENTITY NUMBER AND LOCATION OF OTHER END OF CONDUCTOR, AND IDENTIFY AS SPARE CONDUCTOR.

3.6 FIRESTOPPING

A. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY.

3.7 FIELD QUALITY CONTROL

A. PERFORM THE FOLLOWING TESTS AND INSPECTIONS:
1. PERFORM VISUAL AND MECHANICAL INSPECTION, AND ELECTRICAL TEST STATED IN NETA ACCEPTANCE TESTING SPECIFICATION, CERTIFYING CONFORMANCE WITH TEST PARAMETERS.
B. TEST AND INSPECTION REPORTS: PREPARE A WRITTEN REPORT TO RECORD THE FOLLOWING:
1. PROCEDURES USED.
2. RESULTS THAT COMPLY WITH REQUIREMENTS.
3. RESULTS THAT DO NOT COMPLY WITH REQUIREMENTS AND CORRECTIVE ACTION TAKEN TO ACHIEVE COMPLIANCE WITH REQUIREMENTS.
C. CABLES WILL BE CONSIDERED DEFECTIVE IF THEY DO NOT PASS TESTS AND INSPECTIONS.

SECTION 260526 - GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES: GROUNDING SYSTEMS AND EQUIPMENT.

1.2 ACTION SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.

1.3 INFORMATIONAL SUBMITTALS

A. FIELD QUALITY-CONTROL REPORTS.

1.4 QUALITY ASSURANCE

A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. COMPLY WITH UL 467 FOR GROUNDING AND BONDING MATERIALS AND EQUIPMENT.

PART 2 - PRODUCTS

2.1 CONDUCTORS

A. INSULATED CONDUCTORS: COPPER WIRE OR CABLE INSULATED FOR 600 V UNLESS OTHERWISE REQUIRED BY APPLICABLE CODE OR AUTHORITIES HAVING JURISDICTION.
B. BARE COPPER CONDUCTORS:
1. SOLID CONDUCTORS: ASTM B 3.
2. STRANDED CONDUCTORS: ASTM B 8.
3. TINNED CONDUCTORS: ASTM B 33.
4. BONDING CABLE: 28 KMIL, 14 STRANDS OF NO. 17 AWG CONDUCTOR, 1/4 INCH IN DIAMETER.
5. BONDING CONDUCTOR: NO. 4 OR NO. 6 AWG, STRANDED CONDUCTOR.

2.2 CONNECTORS

A. LISTED AND LABELED BY AN NRTL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION FOR APPLICATIONS IN WHICH USED AND FOR SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS CONNECTED.

PART 3 - EXECUTION

A. 3.1 APPLICATIONS: INSTALL SOLID CONDUCTOR FOR NO. 8 AWG AND SMALLER, AND STRANDED CONDUCTORS FOR NO. 6 AWG AND LARGER UNLESS OTHERWISE INDICATED.
B. CONDUCTOR TERMINATIONS AND CONNECTIONS:
1. CONNECTIONS TO GROUND BUSS: BOLTED CONNECTORS.
2. CONNECTIONS TO STRUCTURAL STEEL: WELDED CONNECTORS.

3.2 EQUIPMENT GROUNDING

A. INSTALL INSULATED EQUIPMENT GROUNDING CONDUCTORS IN ALL RACEWAYS CONTAINING CURRENT CARRYING CONDUCTORS.

3.3 INSTALLATION

A. GROUNDING CONDUCTORS: ROUTE ALONG SHORTEST AND STRAIGHTEST PATHS POSSIBLE UNLESS OTHERWISE INDICATED OR REQUIRED BY CODE. AVOID OBSTRUCTING ACCESS OR PLACING CONDUCTORS WHERE THEY MAY BE SUBJECTED TO STRAIN, IMPACT, OR DAMAGE.

3.4 LABELING

A. COMPLY WITH REQUIREMENTS IN SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS" FOR INSTRUCTION SIGNS. THE LABEL OR ITS TEXT SHALL BE GREEN.

3.5 FIELD QUALITY CONTROL

A. PERFORM THE FOLLOWING TESTS AND INSPECTIONS AND PREPARE TEST REPORTS:
1. AFTER INSTALLING GROUNDING SYSTEM BUT BEFORE PERMANENT ELECTRICAL CIRCUITS HAVE BEEN ENERGIZED, TEST FOR COMPLIANCE WITH REQUIREMENTS.

2. INSPECT PHYSICAL AND MECHANICAL CONDITION. VERIFY TIGHTNESS OF ACCESSIBLE, BOLTED, ELECTRICAL CONNECTIONS WITH A CALIBRATED TORQUE WRENCH ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

3. TEST COMPLETED GROUNDING SYSTEM AT EACH LOCATION WHERE A MAXIMUM GROUND-RESISTANCE LEVEL IS SPECIFIED. REPORT MEASURED GROUND RESISTANCE THAT EXCEEDS THE FOLLOWING VALUES:
1. 1000 VAC LIGHTING EQUIPMENT SYSTEM WITH CAPACITY OF 500 VA AND LESS: 10 OHMS.
2. POWER AND LIGHTING EQUIPMENT SYSTEM WITH CAPACITY OF 500 TO 1000 VA: 5 OHMS.

C. EXCESSIVE GROUND RESISTANCE: IF RESISTANCE TO GROUND EXCEEDS SPECIFIED VALUES, NOTIFY ARCHITECT PROMPTLY AND INCLUDE RECOMMENDATIONS TO REDUCE GROUND RESISTANCE.

SECTION 260533 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
1. METAL CONDUITS, TUBING, AND FITTINGS.
2. CONDUIT BODIES, AND AUXILIARY GUTTERS.
3. SURFACE RACEWAYS.
4. BOXES, ENCLOSURES, AND CABINETS.

1.2 ACTION SUBMITTALS

A. PRODUCT DATA: FOR SURFACE RACEWAYS, WIREWAYS AND FITTINGS.

PART 2 - PRODUCTS

2.1 METAL CONDUITS, TUBING, AND FITTINGS

A. LISTING AND LABELING: METAL CONDUITS, TUBING, AND FITTINGS SHALL BE LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. ELECTRICAL CONNECTIONS: METAL CONDUITS, TUBING, AND FITTINGS SHALL BE LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

2.2 METAL RACEWAYS AND AUXILIARY GUTTERS

A. DESCRIPTION: SHEET METAL, COMPLYING WITH UL 870 AND NEMA 250, TYPE 1 UNLESS OTHERWISE INDICATED, AND SIZED ACCORDING TO NFPA 70.
B. FITTINGS AND ACCESSORIES: INCLUDE COVERS, COUPLINGS, OFFSETS, ELBOWS, EXPANSION JOINTS, ADAPTERS, HOLD-DOWN STRAPS, END CAPS, AND OTHER FITTINGS TO MATCH AND MATE WITH WIREWAYS AS REQUIRED FOR COMPLETE SYSTEM.

2.3 BOXES, ENCLOSURES, AND CABINETS

A. GENERAL REQUIREMENTS FOR BOXES, ENCLOSURES, AND CABINETS: BOXES, ENCLOSURES, AND CABINETS INSTALLED IN WET LOCATIONS SHALL BE LISTED FOR USE IN WET LOCATIONS.
B. SHEET METAL OUTLET AND DEVICE BOXES: COMPLY WITH NEMA 01 AND UL 514A.
C. SMALL SHEET METAL PULL AND JUNCTION BOXES: NEMA 01.
D. BOX EXTENSIONS USED TO ACCOMMODATE NEW BUILDING FINISHES SHALL BE OF SAME MATERIAL AS RECESSED BOX.
E. DEVICE BOX DIMENSIONS: MINIMUM 4 INCHES SQUARE BY 2-1/8 INCHES DEEP.

PART 3 - EXECUTION

3.1 RACEWAY APPLICATION

A. INDOORS: APPROPRIATE RACEWAY PRODUCTS AS SPECIFIED BELOW UNLESS OTHERWISE INDICATED.
B. OUTDOORS: SUBJECT TO PHYSICAL DAMAGE, EXTRAS, CONCEALED IN CEILINGS AND INTERIOR WALLS AND PARTITIONS: EMT.
C. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): FMC, EXCEPT USE LMC IN DAMP OR WET LOCATIONS.
D. BOXES AND ENCLOSURES: NEMA 250, TYPE 1.

3.2 INSTALLATION

A. COMPLY WITH NEMA 1 AND NEMA 10 FOR INSTALLATION REQUIREMENTS EXCEPT WHERE REQUIREMENTS ON DRAWINGS OR INSTRUCTIONS ARE SPECIFICALLY STATED. COMPLY WITH NFPA 70 LIMITATIONS FOR TYPES OF RACEWAYS ALLOWED IN SPECIFIC LOCATIONS.
B. KEEP RACEWAYS AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF FLUES AND STEAM OR HOT-WATER PIPES.
C. INSTALL HORIZONTAL RACEWAY RUNS ABOVE WATER AND STEAM PIPING.
D. INSTALL NO MORE THAN THE EQUIVALENT OF THREE 90-DEGREE BENDS IN ANY CONDUIT RUN EXCEPT FOR CONTROL WIRING CONDUITS, FOR WHICH FEWER BENDS ARE ALLOWED. SUPPORT WITHIN 12 INCHES OF CHANGES IN DIRECTION.
E. CONDUIT CONDUIT AND EMT WITHIN FINISHED WALLS, CEILINGS, AND FLOORS UNLESS OTHERWISE INDICATED. INSTALL CONDUIT PARALLEL OR PERPENDICULAR TO THE CONDUIT LINES.
F. SUPPORT CONDUIT WITHIN 12 INCHES OF ENCLOSURES TO WHICH ATTACHED.
G. STUB-UPS TO ABOVE RECESSED CEILINGS:
1. USE EMT FOR RACEWAYS.
2. USE A CONDUIT BUSHING OR INSULATED FITTING TO TERMINATE STUB-UPS NOT TERMINATED IN HUBS OR IN AN ENCLOSURE.

3.3 FIRESTOPPING

A. INSTALL FIRESTOPPING AT PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES. COMPLY WITH REQUIREMENTS IN "HOSPITAL WORK NOTES" ON THE DRAWINGS.
B. PROTECT COATINGS, FINISHES, AND CABINETS FROM DAMAGE AND DETERIORATION.
1. REPAIR DAMAGE TO GALVANIZED FINISHES WITH ZINC-RICH PAINT RECOMMENDED BY MANUFACTURER.
2. REPAIR DAMAGE TO PVC COATINGS OR PAINT FINISHES WITH MATCHING TOUCHUP COATING RECOMMENDED BY MANUFACTURER.

3.4 PROTECTION

A. PROTECT COATINGS, FINISHES, AND CABINETS FROM DAMAGE AND DETERIORATION.
1. REPAIR DAMAGE TO GALVANIZED FINISHES WITH ZINC-RICH PAINT RECOMMENDED BY MANUFACTURER.
2. REPAIR DAMAGE TO PVC COATINGS OR PAINT FINISHES WITH MATCHING TOUCHUP COATING RECOMMENDED BY MANUFACTURER.

SECTION 260553 - IDENTIFICATION FOR ELECTRICAL SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:
1. IDENTIFICATION FOR RACEWAYS.
2. IDENTIFICATION FOR POWER AND CONTROL CABLES.
3. IDENTIFICATION FOR CONDUCTORS.
4. WARNING LABELS AND SIGNS.
5. MISCELLANEOUS IDENTIFICATION PRODUCTS.

1.2 ACTION SUBMITTALS

A. PRODUCT DATA: FOR EACH ELECTRICAL IDENTIFICATION PRODUCT INDICATED.
B. QUALITY ASSURANCE

1.3 SHOP DRAWINGS

A. PROVIDE INSTALLATION DETAILS FOR THE FOLLOWING:
1. OCCUPANCY SENSORS.
2. INTERFACED WITH DIAGRAMS INDICATING FIELD-INSTALLED WIRING.
3. INCLUDE DIAGRAMS FOR POWER, SIGNAL, AND CONTROL WIRING.
4. FIELD QUALITY-CONTROL REPORTS.

1.4 INFORMATIONAL SUBMITTALS

A. SAME WARRANTY FOR MANUFACTURER'S WARRANTIES.
B. WARRANTY PERIOD: 10 YEARS.
C. SPECIAL EXTENDED WARRANTY: MANUFACTURER AND INSTALLER WARRANT THAT INSTALLED LIGHTING CONTROL DEVICES PERFORM IN ACCORDANCE WITH SPECIFIED REQUIREMENTS AND AGREE TO REPAIR OR REPLACE, INCLUDING LABOR, MATERIALS, AND EQUIPMENT, DEVICES THAT FAIL TO PERFORM AS SPECIFIED WITHIN EXTENDED WARRANTY PERIOD.

1.5 FIELD QUALITY CONTROL

A. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
1. FAULTY OPERATION OF LIGHTING CONTROL SOFTWARE.
2. FAULTY OPERATION OF LIGHTING CONTROL DEVICES.

1.6 WARRANTY PERIOD

A. EXTENDED WARRANTY PERIOD: FIVE YEAR(S) FROM DATE OF SHIPMENT.

PART 2 - PRODUCTS

2.1 INDOOR OCCUPANCY AND VACANCY SENSORS

A. GENERAL REQUIREMENTS FOR SENSORS:
1. BUILT-IN OR LIGHT-FLASH (FLASH LIGHT TECHNOLOGY) AS SPECIFIED IN THE "NEW LIGHT FIXTURE SCHEDULE".
2. HARDWIRED CONNECTIONS TO CONTROL DEVICES.

2.2 DIGITAL WALL CONTROL STATIONS

A. DESCRIPTION: MANUAL CONTROLS FOR ON/OFF, DIMMING AND LIGHTING SCENE SELECTION COMPATIBLE WITH OCCUPANCY AND VACANCY SENSORS.
B. WIRED, DIGITAL WALL CONTROLS:
1. BUILT-IN OR LIGHT-FLASH (FLASH LIGHT TECHNOLOGY) AS SPECIFIED IN THE "NEW LIGHT FIXTURE SCHEDULE".
2. HARDWIRED CONNECTIONS TO CONTROL DEVICES.

2.3 EQUIPMENT IDENTIFICATION MATERIALS

A. ADHESIVE FILM LABEL WITH CLEAR PROTECTIVE OVERLAY: MACHINE PRINTED, IN BLACK, BY THERMAL TRANSFER OR EQUIVALENT PROCESS. MINIMUM LETTER HEIGHT SHALL BE 3/8 INCH. OVERLAY SHALL PROVIDE A WEATHERPROOF AND UV-RESISTANT SEAL FOR LABELS.
B. BAKED-ON ENAMEL: ENAMELED LAMINATED ACRYL

ELECTRICAL SPECIFICATIONS

PART 2



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MORGAN HILL POLICE
DEPARTMENT EXPANSION

16200 VINEYARD BLVD.
MORGAN HILL, CA 95037

08/25/23
10/06/23 SUBMIT FOR PLAN CHECK

SECTION 262726 - WIRING DEVICES

PART 1 - GENERAL

1.1 SUMMARY

- A. SECTION INCLUDES:
- 1. GENERAL-USE SWITCHES, DIMMER SWITCHES, AND FAN-SPEED CONTROLLER SWITCHES.
- 2. GENERAL-DUPLEx STRAIGHT-BLADE RECEPTACLES.
- 3. GENERAL-GRADE STRAIGHT-BLADE RECEPTACLES.
- 4. HOSPITAL-GRADE STRAIGHT-BLADE RECEPTACLES.
- 5. SPECIAL-PURPOSE POWER OUTLET ASSEMBLIES.
- 6. RECEPTACLES WITH GFCI DEVICE.
- 7. LOCKING RECEPTACLES.

1.2 INFORMATIONAL SUBMITTALS

- A. MANUFACTURERS' INSTRUCTIONS: RECORD COPY OF OFFICIAL INSTALLATION AND TESTING INSTRUCTIONS ISSUED TO INSTALLER BY MANUFACTURER FOR THE FOLLOWING:
- 1. DIMMERS.
- 2. SINGLE STRAIGHT-BLADE RECEPTACLES.
- 3. DUPLEX STRAIGHT-BLADE RECEPTACLES.
- 4. HOSPITAL-GRADE STRAIGHT-BLADE RECEPTACLES.
- 5. RECEPTACLES WITH GFCI DEVICE.
- 6. LOCKING RECEPTACLES.

1.3 WARRANTY FOR DEVICES

- A. SPECIAL MANUFACTURER EXTENDED WARRANTY: MANUFACTURER WARRANTS THAT DEVICES PERFORM IN ACCORDANCE WITH SPECIFIED REQUIREMENTS AND AGREES TO PROVIDE REPAIR OR REPLACEMENT OF DEVICES THAT FAIL TO PERFORM AS SPECIFIED WITHIN EXTENDED WARRANTY PERIOD.
- 1. WARRANTY PERIOD: [MINIMUM OF TWO YEARS FROM DATE OF SUBSTANTIAL COMPLETION; PRORATED COVERAGE FOR LABOR, MATERIALS, AND EQUIPMENT.

PART 2 - PRODUCTS

2.1 GENERAL-USE SWITCHES, AND DIMMER SWITCHES

A. TOGGLE SWITCH:

- 1. REFER TO THE SYMBOL LIST ON THE DRAWINGS.

B. REGULATORY REQUIREMENTS:

- A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

C. GENERAL CHARACTERISTICS:

- A. REFERENCE STANDARDS: UL CCN WMUZ AND UL 20.
- 4. OPTIONS:
- A. DEVICE COLOR: MATCH THE EXISTING IN THE FACILITY.
- 5. ACCESSORIES:
- A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH-IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
- B. TYPE I DIMMER SWITCH:
- 1. REFER TO THE SYMBOL LIST ON THE DRAWINGS.
- 2. REGULATORY REQUIREMENTS:
- A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
- 3. GENERAL CHARACTERISTICS:
- A. REFERENCE STANDARDS: UL CCN EOYX AND UL 1472 TYPE I DIMMER.
- 4. OPTIONS:
- A. DEVICE COLOR: MATCH FACILITY EXISTING COLORS.
- 5. ACCESSORIES:
- A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH-IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
- B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.

2.2 GENERAL-GRADE SINGLE STRAIGHT-BLADE RECEPTACLES

A. SINGLE STRAIGHT-BLADE RECEPTACLE:

- 1. REFER TO THE SYMBOL LIST ON THE DRAWINGS.

B. REGULATORY REQUIREMENTS:

- A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

C. GENERAL CHARACTERISTICS:

- A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
- 4. OPTIONS:
- A. DEVICE COLOR: MATCH THE FACILITY EXISTING.
- 5. ACCESSORIES:
- A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH-IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
- B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.

2.3 GENERAL-GRADE DUPLEX STRAIGHT-BLADE RECEPTACLES

A. DUPLEX STRAIGHT-BLADE RECEPTACLE:

- 1. REFER TO THE SYMBOL LIST ON THE DRAWINGS.

B. REGULATORY REQUIREMENTS:

- A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
- 3. GENERAL CHARACTERISTICS:
- A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
- 4. OPTIONS:
- A. DEVICE COLOR: MATCH THE FACILITY EXISTING.
- 5. ACCESSORIES:
- A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH-IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
- B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.

2.4 LOCKING RECEPTACLES

A. NEMA 12-17, LOCKING RECEPTACLE:

- 1. REFER TO THE SYMBOL LIST ON THE DRAWINGS.

B. REGULATORY REQUIREMENTS:

- A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
- 3. GENERAL CHARACTERISTICS:
- A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.

PART 3 - EXECUTION

3.1 EXAMINATION

A. RECEPACES:

- 1. VERIFY THAT RECEPTACLES TO BE PROCURED AND INSTALLED FOR OWNER-FURNISHED EQUIPMENT ARE COMPATIBLE WITH MATING ATTACHMENT PLUGS ON EQUIPMENT.

B. SELECTION OF GFCI RECEPTACLES

- A. PROVIDE NON-FEED-THROUGH GFCI RECEPTACLES.

C. INSTALLATION OF SWITCHES

- A. COMPLY WITH MANUFACTURER'S INSTRUCTIONS.

D. REFERENCE STANDARDS:

- 1. LESS THAN 1000 VOLTS: REQUIREMENTS ARE SPECIFIED IN CONTRACT DOCUMENTS OR MANUFACTURERS' INSTRUCTIONS, COMPLY WITH INSTALLATION INSTRUCTIONS IN NECA NEIS 130.
- 2. MOUNTING HEIGHTS: UNLESS OTHERWISE INDICATED IN CONTRACT DOCUMENTS, COMPLY WITH MOUNTING HEIGHTS RECOMMENDED IN NECA NEIS 1.
- 3. CONSULT ARCHITECT FOR RESOLUTION OF CONFLICTING REQUIREMENTS.

E. IDENTIFICATION:

- 1. IDENTIFY COVER OR COVER PLATE FOR DEVICE WITH PANELBOARD IDENTIFICATION AND CIRCUIT NUMBER IN ACCORDANCE WITH SECTION 400.3 OF THE NATIONAL ELECTRICAL CODE.

- A. HEALTHCARE FACILITIES: DISTINCTIVELY IDENTIFY COVERS OR COVER PLATES OF DEVICE BOXES AND OUTLET BOXES THAT ARE SUPPLIED FROM LIFE SAFETY AND CRITICAL BRANCH POWER SUPPLIES FOLLOWING FACILITY'S STANDARD PRACTICE.

F. INTERFACES WITH OTHER WORK:

- 1. COORDINATE INSTALLATION OF NEW PRODUCTS WITH EXISTING CONDITIONS.

SECTION 262816 - CIRCUIT BREAKERS

PART 1 - GENERAL

1.1 SUMMARY

- A. SECTION INCLUDES:
- 1. MOLDED-CASE CIRCUIT BREAKERS (MCCBS).

1.2 DEFINITIONS

- A. NC: NORMALLY CLOSED.
- B. NO: NORMALLY OPEN.
- C. SPDT: SINGLE POLE, DOUBLE THROW.

1.3 PERFORMANCE REQUIREMENTS

- A. SEISMIC PERFORMANCE: CIRCUIT BREAKERS SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS.

1.4 ACTION SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF ENCLOSED CIRCUIT BREAKER, ACCESSORY, AND COMPONENT INDICATED.

1.5 CLOSEOUT SUBMITTALS

- A. OPERATION AND MAINTENANCE DATA.

1.6 QUALITY ASSURANCE

- A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

PART 2 - PRODUCTS

2.1 MOLDED-CASE CIRCUIT BREAKERS

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS SPECIFIED ON THE DRAWINGS.
- B. GENERAL REQUIREMENTS: COMPLY WITH UL 489, NEMA AB 1, AND NEMA AB 3, WITH INTERRUPTING CAPACITY TO COMPLY WITH AVAILABILITY UNIT REQUIREMENTS.
- C. THERMAL-MAGNETIC CIRCUIT BREAKERS: INVERSE TIME-CURRENT ELEMENT FOR LOW-LEVEL OVERLOADS AND INSTANTANEOUS MAGNETIC CIRCUIT BREAKERS: INVERSE CURRENT ELEMENT FOR HIGH-LEVEL OVERLOADS.

D. FEATURES AND ACCESSORIES:

- 1. STANDARD FRAME SIZES, TRIP RATINGS, AND NUMBER OF POLES.
- 2. LUGS: SUITABLE FOR NUMBER, SIZE, TRIP RATINGS, AND CONDUCTOR MATERIAL.
- 3. SHUNT TRIP: TRIP COIL ENERGIZED FROM SEPARATE CIRCUIT, WITH COIL-CLEARING CONTACT.

PART 3 - EXECUTION

3.1 IDENTIFICATION

- A. COMPLY WITH REQUIREMENTS IN SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS."
- 1. IDENTIFY FIELD-INSTALLED CONDUCTORS, INTERCONNECTING WIRING, AND COMPONENTS; PROVIDE WARNING SIGNS.
- 2. LABEL EACH BREAKER WITH ENGRAVED METAL OR LAMINATED-PLASTIC NAMEPLATE.

3.2 FIELD QUALITY CONTROL

- A. PERFORM TESTS AND INSPECTIONS:
- 1. TEST CONTINUITY OF EACH CIRCUIT.
- 2. TEST AND INSPECT:
- 1) PERFORM EACH VISUAL AND MECHANICAL INSPECTION AND ELECTRICAL TEST STATED IN NETA ACCEPTANCE TESTING SPECIFICATION. CERTIFY COMPLIANCE WITH TEST PARAMETERS.
- 2) CORRECT MALFUNCTIONING UNITS ON-SITE, WHERE POSSIBLE, AND RETEST TO DEMONSTRATE COMPLIANCE; OTHERWISE, REPLACE WITH NEW UNITS AND RETEST.
- D. ENCLOSED SWITCHES AND CIRCUIT BREAKERS WILL BE CONSIDERED DEFECTIVE IF THEY DO NOT PASS TESTS AND INSPECTIONS.
- E. PERFORM TEST AND INSPECTION REPORTS, INCLUDING A CERTIFIED REPORT THAT IDENTIFIES ENCLOSED SWITCHES AND CIRCUIT BREAKERS AND THAT DESCRIBES SCANNING RESULTS. INCLUDE NOTATION OF DEFICIENCIES DETECTED, REMEDIAL ACTION TAKEN, AND OBSERVATIONS AFTER REMEDIAL ACTION.

SECTION 265100 - INTERIOR LIGHTING

PART 1 - GENERAL

1.1 SUMMARY

- A. SECTION INCLUDES:
- 1. INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS.
- 2. EMERGENCY LIGHTING UNITS.
- 3. LIGHTING FIXTURE SUPPORTS.

1.2 ACTION SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF LIGHTING FIXTURE, ARRANGED IN ORDER OF FIXTURE DESIGNATION. INCLUDE DATA ON LUMENS, VOLTAGES, AND FINISHES.

1.3 INFORMATIONAL SUBMITTALS

- A. FIELD QUALITY-CONTROL REPORTS.

1.4 QUALITY ASSURANCE

- A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS INDICATED ON DRAWINGS OR APPROVED EQUAL.

2.2 GENERAL REQUIREMENTS FOR LIGHTING FIXTURES AND COMPONENTS

- A. RECESSED FIXTURES: COMPLY WITH NEMA LE 4 FOR CEILING COMPATIBILITY FOR RECESSED FIXTURES.
- B. METAL PARTS: FREE OF BURRS AND SHARP CORNERS AND EDGES.
- C. SHEET METAL COMPONENTS: STEEL UNLESS OTHERWISE INDICATED. FORM AND SUPPORT TO PREVENT WARPING AND DISTORTION.
- D. DOORS, FRAMES, AND OTHER INTERNAL ACCESS: SMOOTH OPERATING, FREE OF LIGHT LEAKAGE UNDER OPERATING CONDITIONS, AND DESIGNED TO PERMIT RELAMPING WITHOUT USE OF TOOLS. DESIGNED TO PREVENT DOORS, FRAMES, LENSES, DIFFUSERS, AND OTHER COMPONENTS FROM FALLING ACCIDENTALLY DURING RELAMPING AND WHEN SECURED IN OPERATING POSITION.
- E. DIFFUSERS AND GLOBES:
- 1. ACRYLIC LIGHTING DIFFUSERS: 100 PERCENT VIRGIN ACRYLIC PLASTIC. HIGH RESISTANCE TO YELLOWING AND OTHER CHANGES DUE TO AGING, EXPOSURE TO HEAT, AND UV RADIATION.
- 2. UV STABILIZED.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. LIGHTING FIXTURES: SET LEVEL, PLUMB, AND SQUARE WITH CEILINGS AND WALLS. INSTALL LAMPS IN EACH FIXTURE.
- B. COMPLY WITH NFPA 70 FOR MINIMUM FIXTURE SUPPORTS.

- C. ADJUST AIMABLE LIGHTING FIXTURES TO PROVIDE REQUIRED LIGHT INTENSITIES.
- D. CONNECT WIRING ACCORDING TO SECTION 260519 "LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES."

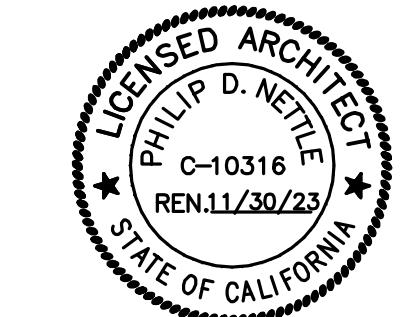
- A. TEST AND EXAMINE LIGHTING: INTERRUPT POWER SUPPLY TO DEMONSTRATE PROPER OPERATION. VERIFY TRANSFER FROM NORMAL POWER TO BATTERY AND RETRANSFER TO NORMAL.
- B. PREPARE A WRITTEN REPORT OF TESTS, INSPECTIONS, OBSERVATIONS, AND VERIFICATIONS INDICATING AND INTERPRETING RESULTS. IF ADJUSTMENTS ARE MADE TO LIGHTING SYSTEM, RETEST TO DEMONSTRATE COMPLIANCE WITH STANDARDS.

T24 – INDOOR LIGHTING



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This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.												This section does not apply to this project.																																																																																																																										
E. ADDITIONAL REMARKS												M. ADDITIONAL LIGHTING ALLOWANCE: TAILEDOR FLOOR AND TASK LIGHTING																																																																																																																										
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.												This section does not apply to this project.																																																																																																																										
(General Remarks) X-type exit signs contain battery / charger for min 90 minutes.												N. ADDITIONAL LIGHTING ALLOWANCE: TAILEDOR DECORATIVE /SPECIAL EFFECTS																																																																																																																										
Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 2020101												Documentation Software: Energy Code Ace Compliance ID: 128434-0823-0002 Report Generated: 2023-08-22 12:05:03																																																																																																																										
STATE OF CALIFORNIA Indoor Lighting												CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE																																																																																																																										
Project Name: MH PD 2023 TI												NRC-C-LTI-E																																																																																																																										
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F. INDOOR LIGHTING FIXTURE SCHEDULE												S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)																																																																																																																										
This table includes all planned permanent and portable lighting other than dwelling units' hotel/motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.												This section does not apply to this project.																																																																																																																										
Designed Wattage: Conditioned Spaces												T. DWELLING UNIT LIGHTING																																																																																																																										
01	02	03	04	05	06	07	08	09	10	This section does not apply to this project.																																																																																																																												
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ¹	Watts per luminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	Pass	Fail																																																																																																																											
A	2X2 LED DIMMABLE W/ INTEGRAL PIR OCC SENSOR, 4800 LUMENS.	No	NA	42.9	Mfr. Spec	4	No	171.6		□	□																																																																																																																											
X	LED EXIT SIGN W/ INTEGRAL BATTERY BACKUP	No	NA	1	Mfr. Spec	5	Exempt	---		□	□																																																																																																																											
Total Designed Watts: CONDITIONED SPACES 171.6																																																																																																																																						
FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% / 80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.												NRCA-LTI-E - Must be submitted for all buildings																																																																																																																										
*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.												V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE																																																																																																																										
This section does not apply to this project.												Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks: These documents must be provided to the building inspector during construction and can be found online																																																																																																																										
Form/Title												Form/Title																																																																																																																										
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.												Systems/Space To Be Filed Verified																																																																																																																										
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G. MODULAR LIGHTING SYSTEMS												H. INDOOR LIGHTING CONTROLS (Not including PAFs)																																																																																																																										
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Building Level Controls												Building Level Controls																																																																																																																										
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Mandatory Demand Response 110.12(c)					Shut-off controls 130.1(c) / 160.5(b)4C			Field Inspector		Pass	Fail																																																																																																																											
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I. INDOOR LIGHTING CONTROLS (Not including PAFs)												J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM																																																																																																																										
This table includes lighting controls for conditioned and unconditioned spaces.												This section does not apply to this project.																																																																																																																										
Area Level Controls												See Area/Space Level Controls																																																																																																																										
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Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) / 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(e) / 160.5(b)4E	Interlocked Systems 140.6(a)1 / 170.2(e)2A	Field Inspector																																																																																																																														
WORK AREA	Office (>250 square feet)	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	□	□																																																																																																																													
												Plan Sheet Showing Daylit Zones:																																																																																																																										
K. INDOOR LIGHTING												L. INDOOR LIGHTING																																																																																																																										
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T24 - ELECTRICAL POWER DISTRIBUTION



ARTFUL ENVIRONMENT, LLC
2782 Plummer Ave.
San Jose, CA 95125
408.318.0226
www.artfulenvironment.com



PHILLIP D. NETTLE, ARCHITECT
LIC #10116 EXP 11/30/2025
526 Shorebird Circle #16105
Redwood City, CA 94065

STATE OF CALIFORNIA Electrical Power Distribution							CALIFORNIA ENERGY COMMISSION NRCC-ELC-E	
CERTIFICATE OF COMPLIANCE Project Name: MH PD 2023 TI Project Address: 1620 VINEYARD BLVD. MORGAN HILL, CA, 95037							(Page 1 of 4)	
A. GENERAL INFORMATION 01 Project Location (city) Morgan Hill, CA 02 Climate Zone 4 03 Occupancy Types Within Project: Office							Report Page: 2023-08-24T13:21:29-04:00 Date Prepared: 2023-08-24T13:21:29-04:00	
B. PROJECT SCOPE This table includes electrical systems that are within the scope of the permit application.							Form/Title	
01	02	03	04	05	06	07	NRCC-ELC-E - Must be submitted for all buildings	
Electrical Service Designation/ Description	Scope of Work ¹	Rating ² (kVA)	Utility Provided Metering System Exception to 130.5(a)/ 160.6(a) ³	System subject to CA Elec Code Article 517 Exception to 130.5(a) and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy		
Existing in Main Electrical Room on sheet E-2.0	Add/Alt to feeders and branch circuits only	...	<input type="checkbox"/>	<input type="checkbox"/>	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one of the following signals: 1) a signal from the utility demand response after receiving a demand response signal; Sections 120.2/160.3, 130.1/160.5, and 130.3/160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	<input type="checkbox"/>		
FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required. ¹ If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas. ² Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.								
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101							Generated Date/Time: Documentation Software: Energy Code Ace Compliance ID: 128434-0823-0004 Report Generated: 2023-08-24 10:21:32	
STATE OF CALIFORNIA Electrical Power Distribution							CALIFORNIA ENERGY COMMISSION NRCC-ELC-E	
CERTIFICATE OF COMPLIANCE Project Name: MH PD 2023 TI Report Page: 2023-08-24T13:21:29-04:00 Date Prepared: 2023-08-24T13:21:29-04:00							(Page 2 of 4)	
C. COMPLIANCE RESULTS Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.							Generated Date/Time: Documentation Software: Energy Code Ace Compliance ID: 128434-0823-0004 Report Generated: 2023-08-24 10:21:32	
01	02	03	04	05	06	Compliance Results		
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	Separate for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	AND Yes	COMPLIES		
D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.								
E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.								
H. VOLTAGE DROP This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Pi/ 180.2(b)4Pi.							Generated Date/Time: Documentation Software: Energy Code Ace Compliance ID: 128434-0823-0004 Report Generated: 2023-08-24 10:21:32	
01	02	03	04	05	Location of Voltage Drop Calculations ⁴		Generated Date/Time: Documentation Software: Energy Code Ace Compliance ID: 128434-0823-0004 Report Generated: 2023-08-24 10:21:32	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector Pass Fail	Existing in Main Electrical Room on sheet E-2.0	<input checked="" type="checkbox"/> Voltage drop less than 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to 130.5(c)) In construction documents E-0.1 and E-1.1 (SINGLE LINE)	<input type="checkbox"/> <input type="checkbox"/>		
* NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below. ⁴ FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".								
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101							Generated Date/Time: Documentation Software: Energy Code Ace Compliance ID: 128434-0823-0004 Report Generated: 2023-08-24 10:21:32	
STATE OF CALIFORNIA Electrical Power Distribution							CALIFORNIA ENERGY COMMISSION NRCC-ELC-E	
CERTIFICATE OF COMPLIANCE Project Name: MH PD 2023 TI Report Page: 2023-08-24T13:21:29-04:00 Date Prepared: 2023-08-24T13:21:29-04:00							(Page 4 of 4)	
K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.							Form/Title	
L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE There are no forms required for this project.								



* READ THE SPECIFICATIONS !

READ THE SPECIFICATIONS FOR ADDITIONAL
REQUIREMENTS. IN CASE OF CONFLICT BETWEEN
SPECIFICATIONS AND DRAWINGS THE MORE
RESTRICTIVE REQUIREMENTS SHALL TAKE
PRIORITY.

THIS DRAWING AND THE DESIGN HEREON ARE INTENDED FOR THIS ONE SPECIFIC PROJECT ONLY. ANY USE OR RE-USE BEYOND THIS ONE PROJECT IS THE SOLE RESPONSIBILITY OF THE OWNER.
ALTHOUGH A "SCALE" MAY BE INDICATED, THE INFORMATION ON THIS DRAWING IS APPROXIMATE AND DIAGRAMMATIC ONLY, AND SHALL NOT BE SCALED TO OBTAIN DISTANCES. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE INTENT AND USE OF THESE DRAWINGS.
PROFESSIONAL PERMIT No. 195607 Exp. 6-30-25 ELECTRICAL PERMIT No. 195607 Exp. 6-30-25 10/06/23

DRAWING TITLE:
TITLE 24
ELECTRICAL POWER
DISTRIBUTION

DRAWING NO.: T24-2

SCALE: AS NOTED

08/25/23

10/06/23 SUBMIT FOR PLAN CHECK

1620 VINEYARD BLVD.
MORGAN HILL, CA 95037

MORGAN HILL POLICE
DEPARTMENT EXPANSION