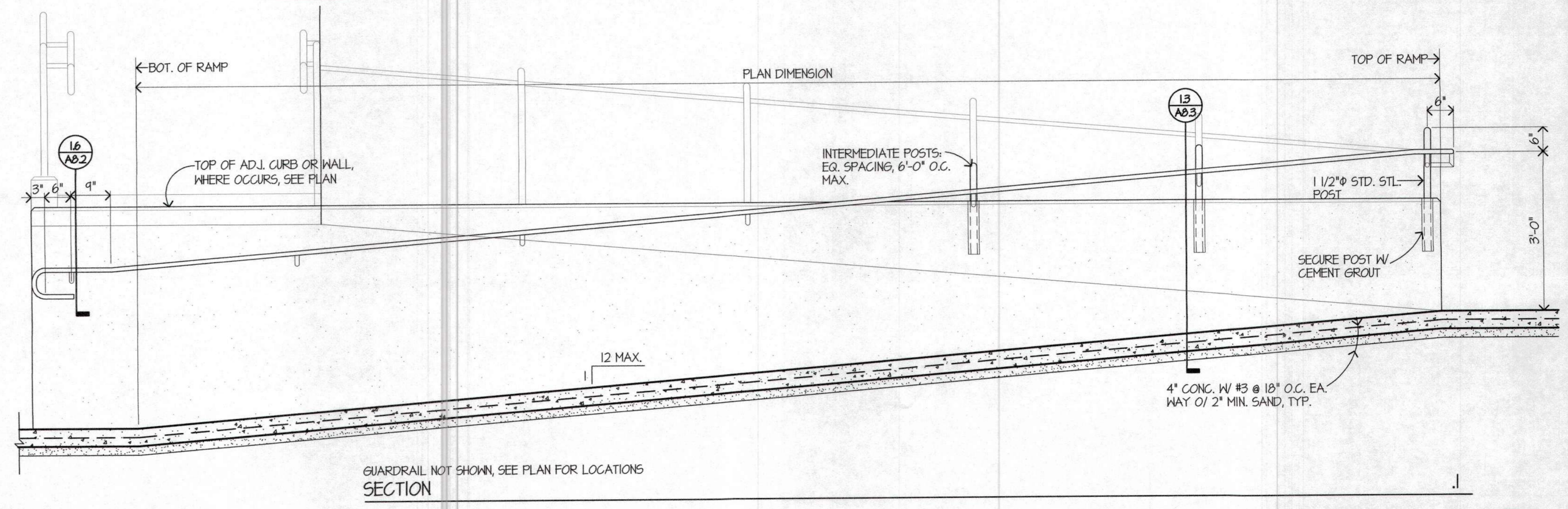
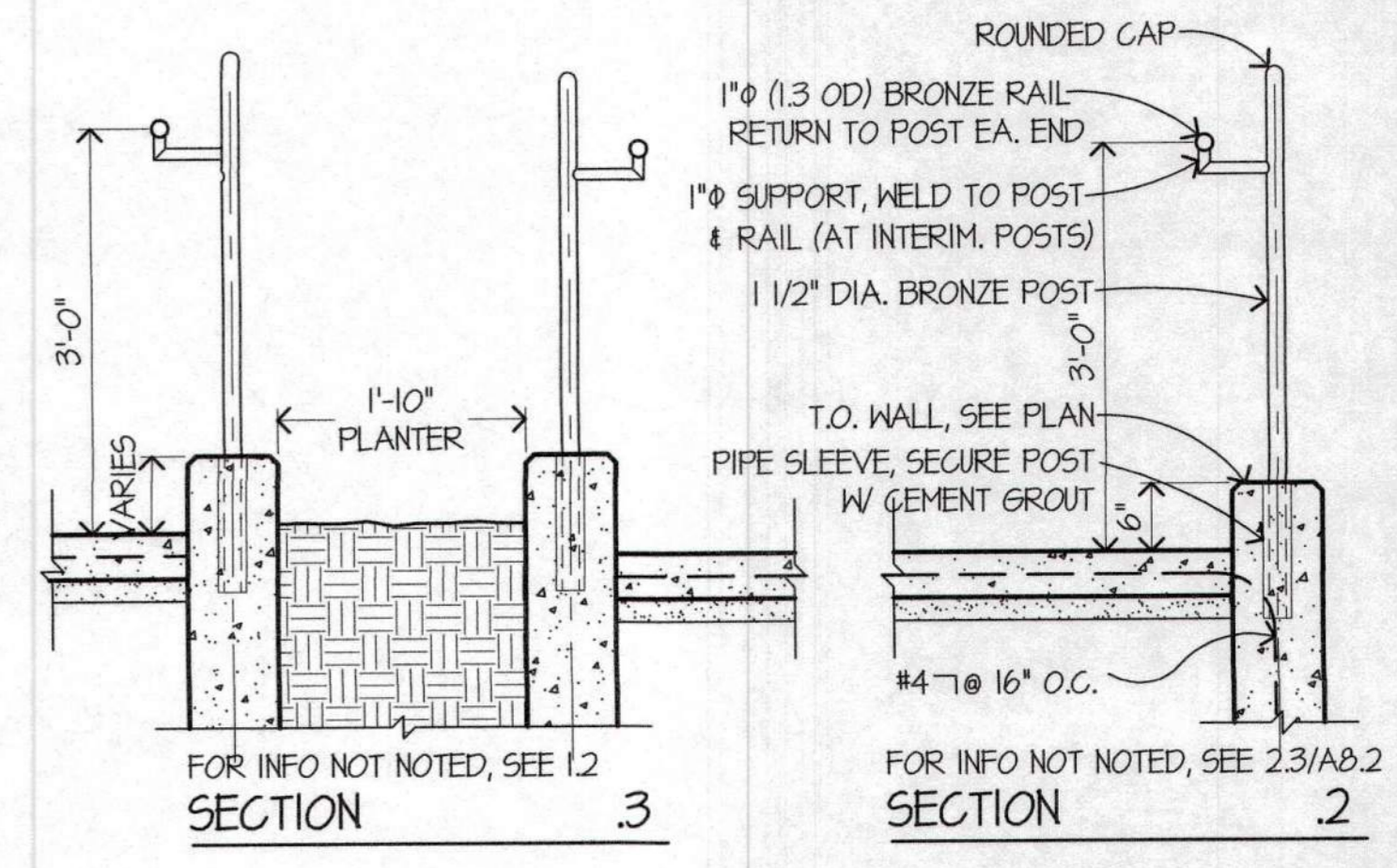
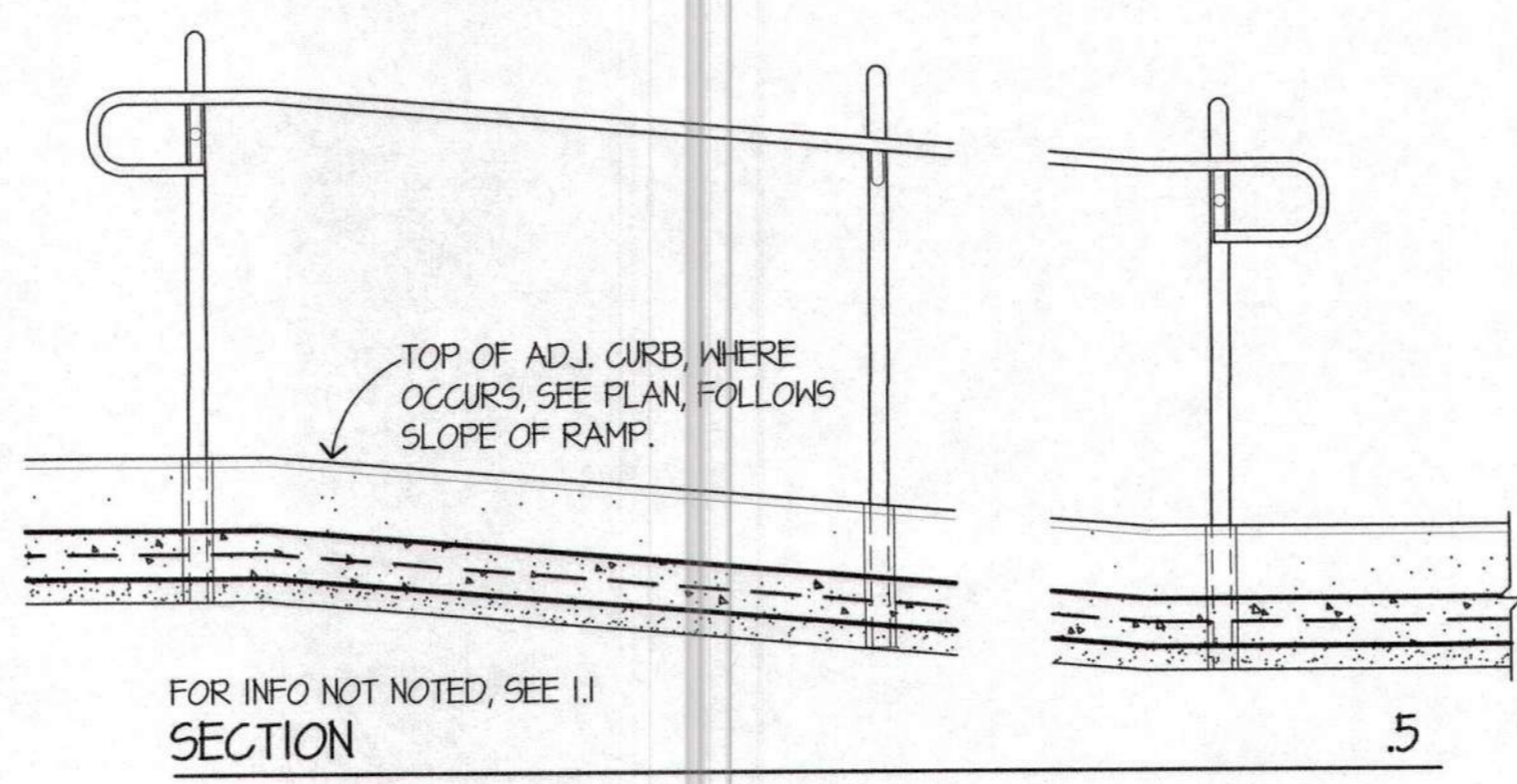


ENLARGED PARTIAL PLAN RAMP
SCALE: 1/4" = 1'-0" U.O.N.

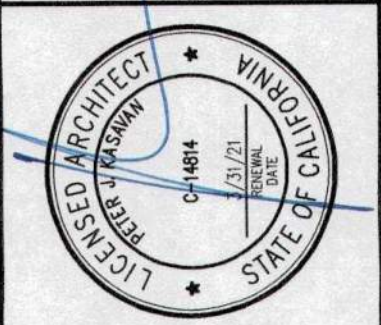
2



GUARDRAIL NOT SHOWN, SEE PLAN FOR LOCATIONS
SECTION

RAMP DETAILS
SCALE: 3/4" = 1'-0" U.O.N.

1



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REVISIONS:
PLAN CHECK 12/05/11

RENOVATIONS AND SITE IMPROVEMENTS
**CITY OF CARMEL-BY-THE-SEA
POLICE DEPARTMENT**
AT:
JUNIPERO AVE AND 4TH AVE.
CARMEL-BY-THE-SEA, CA 93923

SHEET NUMBER
A8.3
DATE: 18 OCT 2011
JOB: (112) DRAWN: CADD

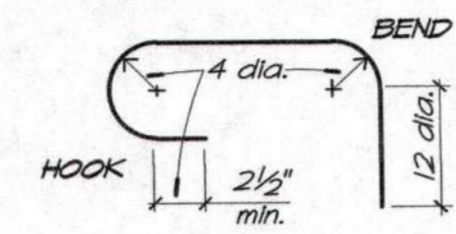
RAMP DETAILS

GENERAL NOTES

Site Condition: The Contractor shall examine and check all existing conditions, dimensions, levels and material and notify the Architect of discrepancies.
Footings: Footings shall rest on undisturbed original ground. Footings shall extend a minimum of 18" below finished grade or original ground whichever is lower, unless otherwise shown or noted on plans. Footings are proportioned for a maximum soil pressure of 2000 lbs. per sq. ft., see Landset Engineers, Inc. geotechnical report dated August 2018, Project 1837-01.
Concrete: Concrete shall be proportioned to give a 28 day compressive strength of at least 3000 psi for foundations and slabs. The slump shall be the minimum consistent with the condition of placing but in general shall not exceed 4 inches. All concrete construction shall be in accordance with Chapter 19 of the California Building Code, 2016 Edition.

Reinforcing bars: Reinforcing bars shall be deformed bars conforming to ASTM Standard Specification A615 (ASTM 706 for welded reinforcing) Grade 40 for #4 bars and smaller and Grade 60 for #5 bars and larger. Reinforcing shall be placed in as long lengths as possible. Bars shall lap 60 dia. at splices unless otherwise shown or noted on the plans, using the diameter of the larger bar in case of difference in size. Splices shall be staggered and bars may be wired together at splices. Bend steel around corners 12" minimum. All reinforcing steel shall be in accordance with Chapter 19 of the California Building Code, 2016 Edition. Bar coverage (face of bar to face of concrete) shall be as follows unless noted otherwise.

Concrete slab on grade 1 1/2" min.
 Concrete surface against earth 3" min.
 When poured against forms exposed to weather or earth 2" min.
 All others See details



Bars shall have bends and hooks as follows except as otherwise shown or noted:

Epoxy Adhesive: Reinforcing dowels and threaded rods set in epoxy adhesive shall have 100 percent of the dowels/ rods proof tested in tension to twice the allowable tension load. Epoxy adhesive to be Simpson SET-XP adhesive per ICEO Report No. 2508, reissued 07/2016 or approved equal.

Minimum Proof Load Tests Values and Embedments

Bar Size	Concrete		MASONRY	
	Direct Pull-Out Tension	Embedments	Direct Pull-Out Tension	Embedments
#4 bar	7500*	6" min.*	2300*	6" min.*

* Unless noted otherwise

Existing Structures: These drawings detail certain additions to an existing building. The Engineer was not engaged to and therefore has not made a structural analysis of the existing building and assumes no responsibility for the structural integrity of the building as a whole or for any of its component parts. Whenever new work is shown to join and be attached to the existing structures, such attachment has been designed on the basis of information obtained from existing drawings of the original structure and field observation where possible. If during construction it becomes evident that existing construction is not as indicated on these plans, the Engineer should be notified prior to any further work.

Special Inspections: The following special inspections, as required by Section 1705 of the California Building Code, 2016 Edition, shall be provided during construction on the following types of work. The Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the Owner. The Owner shall bear costs of the test and/or inspections.

- A. Concrete, per Section 1705.3 and Table 1705.3;
- B. Epoxy, per Section 1705.3 and Table 1705.3;

General Design Criteria:

Seismic:

Risk Category = IV, I = 1.5
 Seismic Design Category = "D"; Site Class "D"
 $S_s = 1.50g$; $S_1 = 0.60g$
 $F_a = 1.0$; $F_v = 1.5$
 $S_{ms} = F_a S_s = 1.50g$
 $S_{m1} = F_v S_1 = 0.90g$
 $S_{d1} = 2/3 S_{m1} = 1.00$
 $S_{d1} = 2/3 S_{m1} = 0.60$

Wind:

Wind Exposure "C"
 115 mph wind speed

Longitude & Latitude

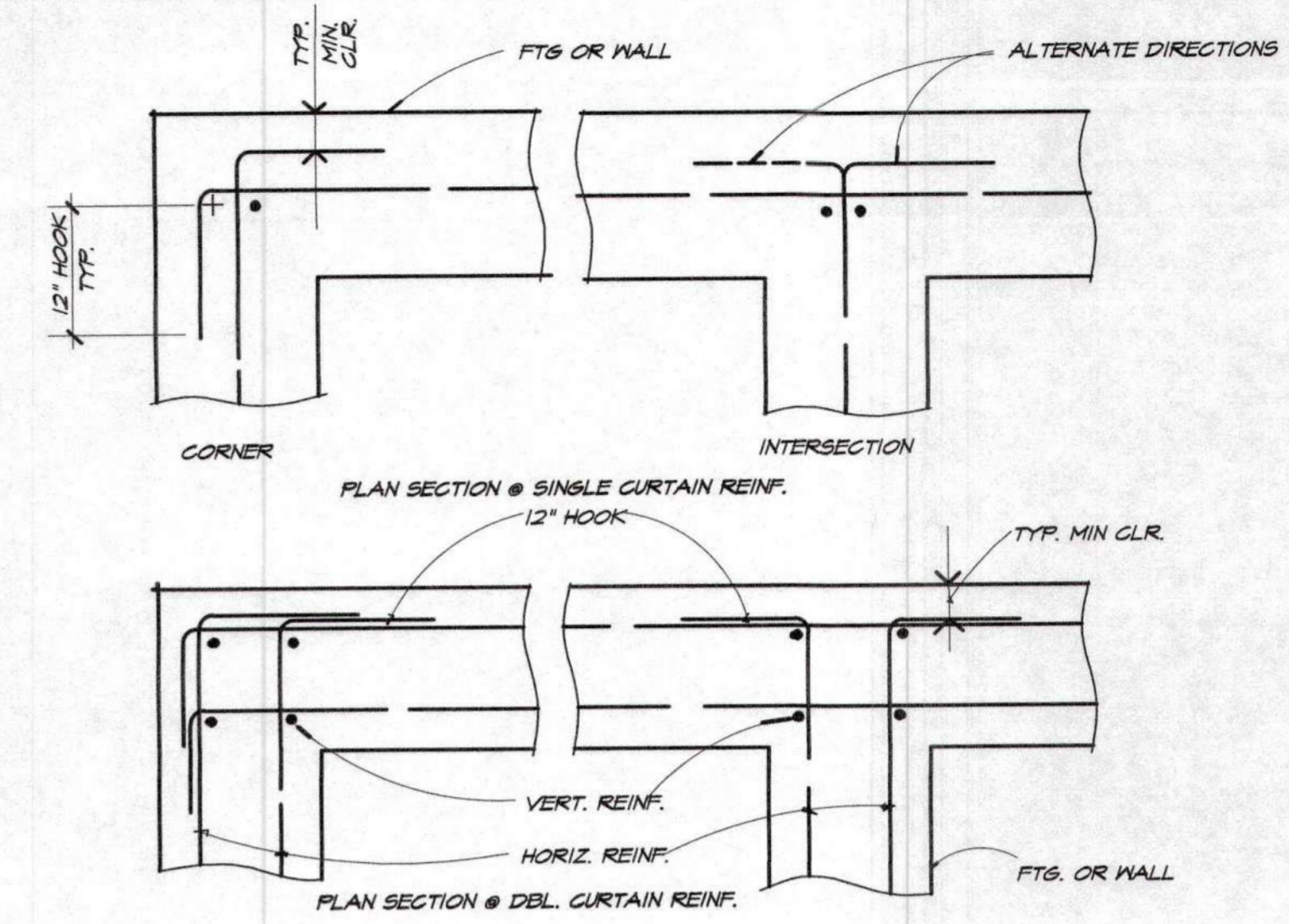
Long: -121.54563
 Lat: 36.73146

Structural Observation: During the construction the owner may employ the structural engineer responsible for the structural design to make visits to the site to observe general compliance with the approved structural plans, specifications and change orders. The engineer shall submit a statement in writing to the building official stating the site visits have been made and that any deficiencies noted have been corrected.

Note: All construction not specifically detailed shall be built to conform with similar construction shown and the requirements of the California Building Code, 2016 Edition.

ABBREVIATIONS

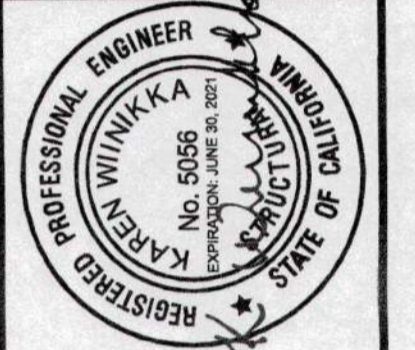
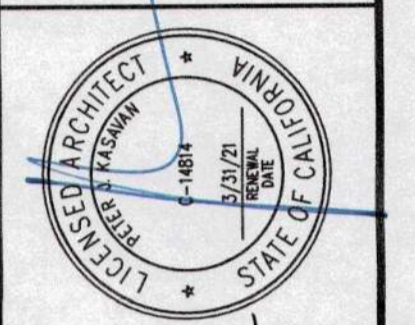
A.B. = Anchor Bolt	Frmg. = Framing	Perf. = Performed
Arch. Dwg. = Architectural Drawings	Fl. = Foot, Feet	Ply. = Plywood
Blk. = Block	Ftg. = Footing	Pl. = Plate
Blkg. = Blocking	Ga. = Gauge	Reinf. = Reinforcing
Bm. = Beam	Galv. = Galvanized	Ret. = Retaining
Bolt. = Bolt	GL = Glulam beam	Req. = Requirements
Can. = Cantilever	GSM = Galvanized Sheet Metal	Rf. = Roof
CL. = Center Line	Hdr. = Header	Rm. = Room
Clr. = Clear	Ht. = Height	Rdw. = Redwood
Col. = Column	Horiz. = Horizontal	S.B. = Solid Blocking
Compl. Pen. = Complete Penetration	Jst. = Joist	Shtg. = Sheathing
Conc. = Concrete	Max. = Maximum	Sm. = Similar
Cont. = Continuous	M.B. = Machine Bolt	Sq. = Square
Dbl. = Double	M.B.M. = Metal Bldg Manufacturer Std.	Std. = Standard
D.F. = Douglas Fir	Mech. = Mechanical	T.E.N. = Typical Edge Nailing
Dia. = Diameter	Min. = Minimum	T&G = Tongue and Groove
(E) = Existing	NV = New	TS = Structural Steel Tube
Ea. = Each	N.T.S. = Not to Scale	Typ. = Typical
Flr. = Floor	O.C. = On Center	U.N. = Unless Noted
Fnd. = Foundation	O.H. = Opposite Hand	Vert. = Vertical
F.O.C. = Face of Concrete	P.M.P. = Perforated Metal Pipe	WNF. = Welded Wire Fabric
F.O.S. = Face of Stud	P.T.D.F. = Pressure Treated Douglas Fir	W. = Steel Beam
		W.A. = Wedge Anchor



TYP. WALL & FTG. REINF. @ CORNERS and INTERSECTIONS

S1.1

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 60 W. Market St., Suite 300
 San Jose, California 95101
 Voice 831.424.2252
 Fax 831.424.2501



CONSULTANTS
DONALD C. URFER AND ASSOC. INC.
 CIVIL AND STRUCTURAL ENGINEERS
 778 PORTER ST. #100
 SAN JOSE, CA 95128

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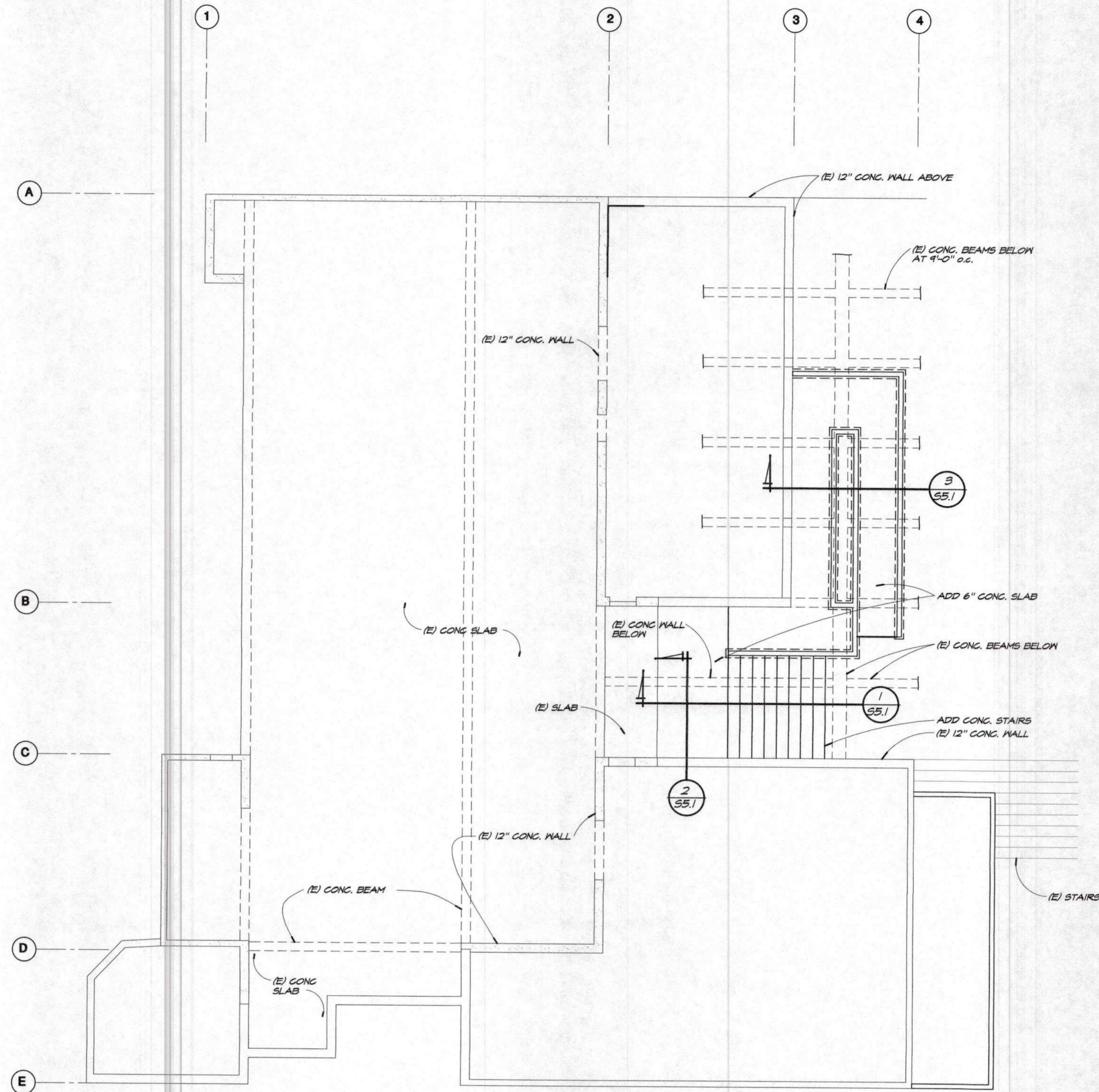
REVISIONS
 PLAN CHECK 12/05/19

DESCRIPTION
CITY OF CARMEL-BY-SEA - SEA POLICE DEPARTMENT AT JUNIPERO AVE. AND 4TH AVE. CARMEL-BY-SEA, CA 93923
GENERAL NOTES/ TYP. DETAILS

SHEET NUMBER
S1.1
 DATE: 18 OCT 2019
 JOB: 17121 DRAWN: NV.

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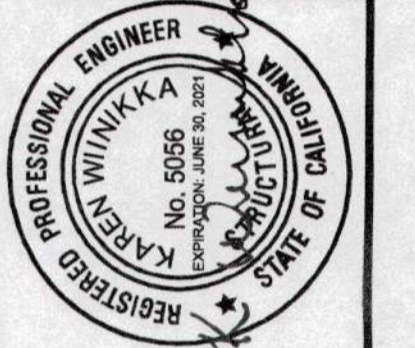
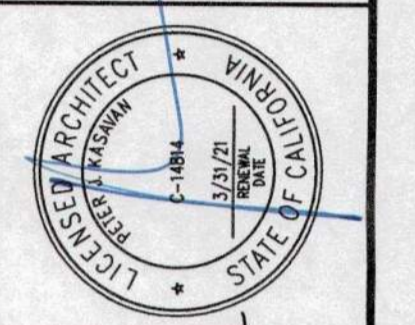
18 OCT 14 9:28 A.M.



FLOOR FRAMING PLAN

1/8" = 1'-0"

1. SEE ARCH DWGS FOR DIMENSIONS



CONSULTANTS
DONALD C. URFER AND ASSOC. INC.
 CIVIL AND STRUCTURAL ENGINEERS
 875 PORTER STREET SUITE 1000 SALINAS, CA 93901

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REVISIONS	
1	PLAN CHECK 12/05/14

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DESCRIPTION
**CITY OF CARMEL-BY-THE-SEA
 POLICE DEPARTMENT
 AT
 JUNIPERO AVE AND 4TH AVE.
 CARMEL-BY-THE-SEA, CA 93923**

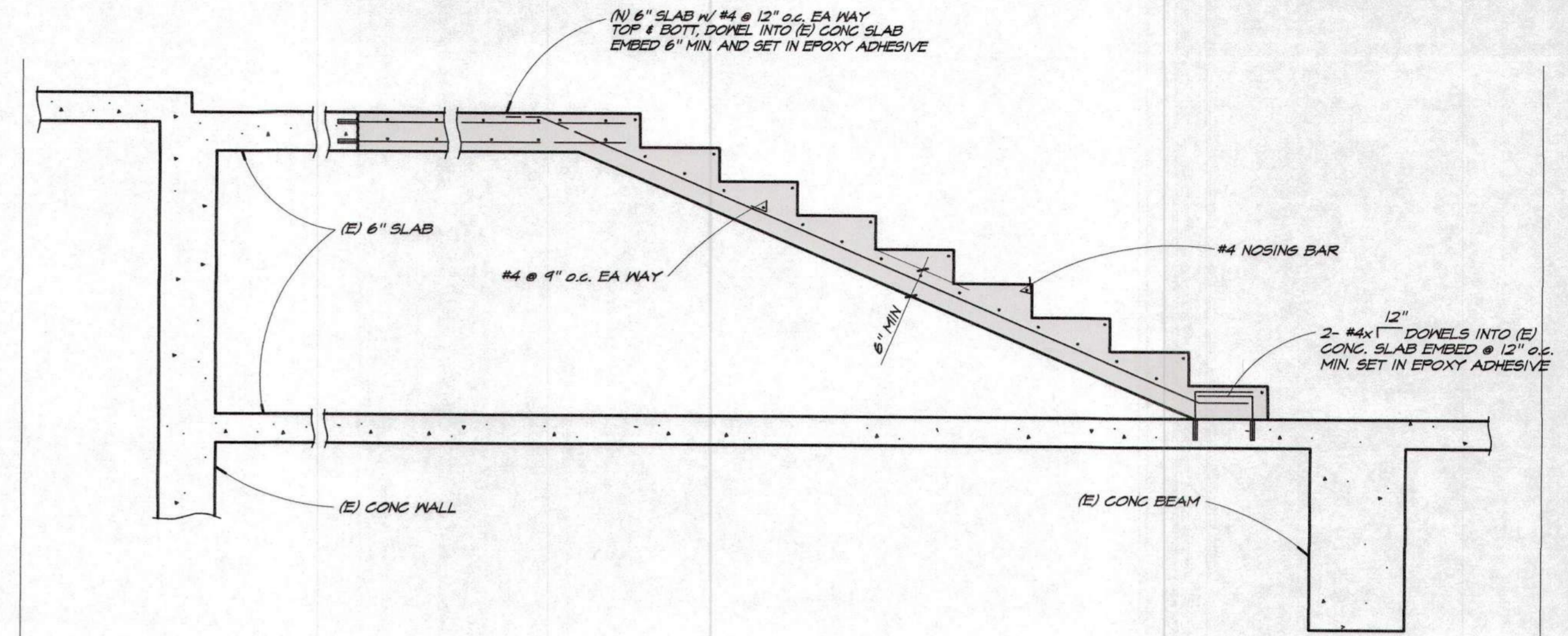
FLOOR & ROOF FRMG PLAN

SHEET NUMBER

S2.1

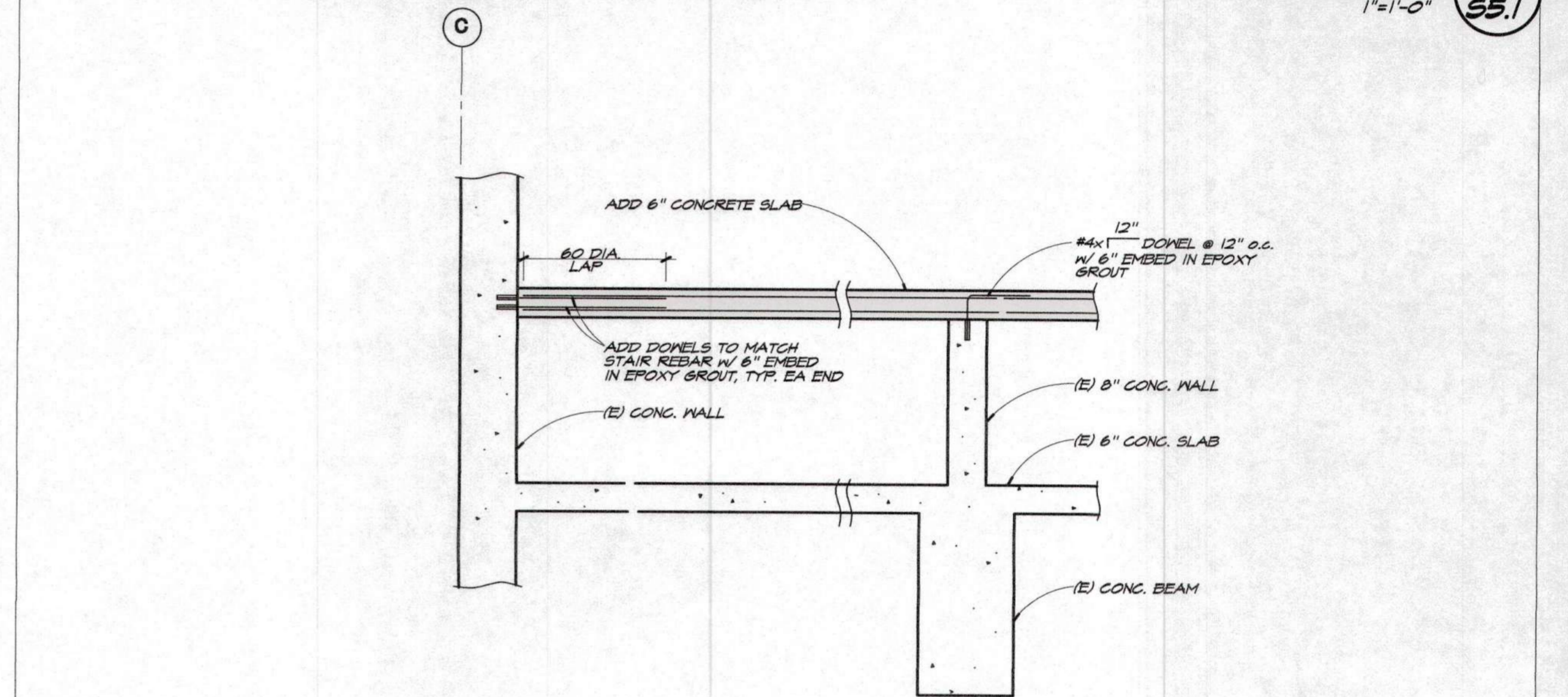
DATE: 18 OCT 2014
 JOB: IT2J DRAWN: NY.

18 OCT 2014 9:54 A.M.



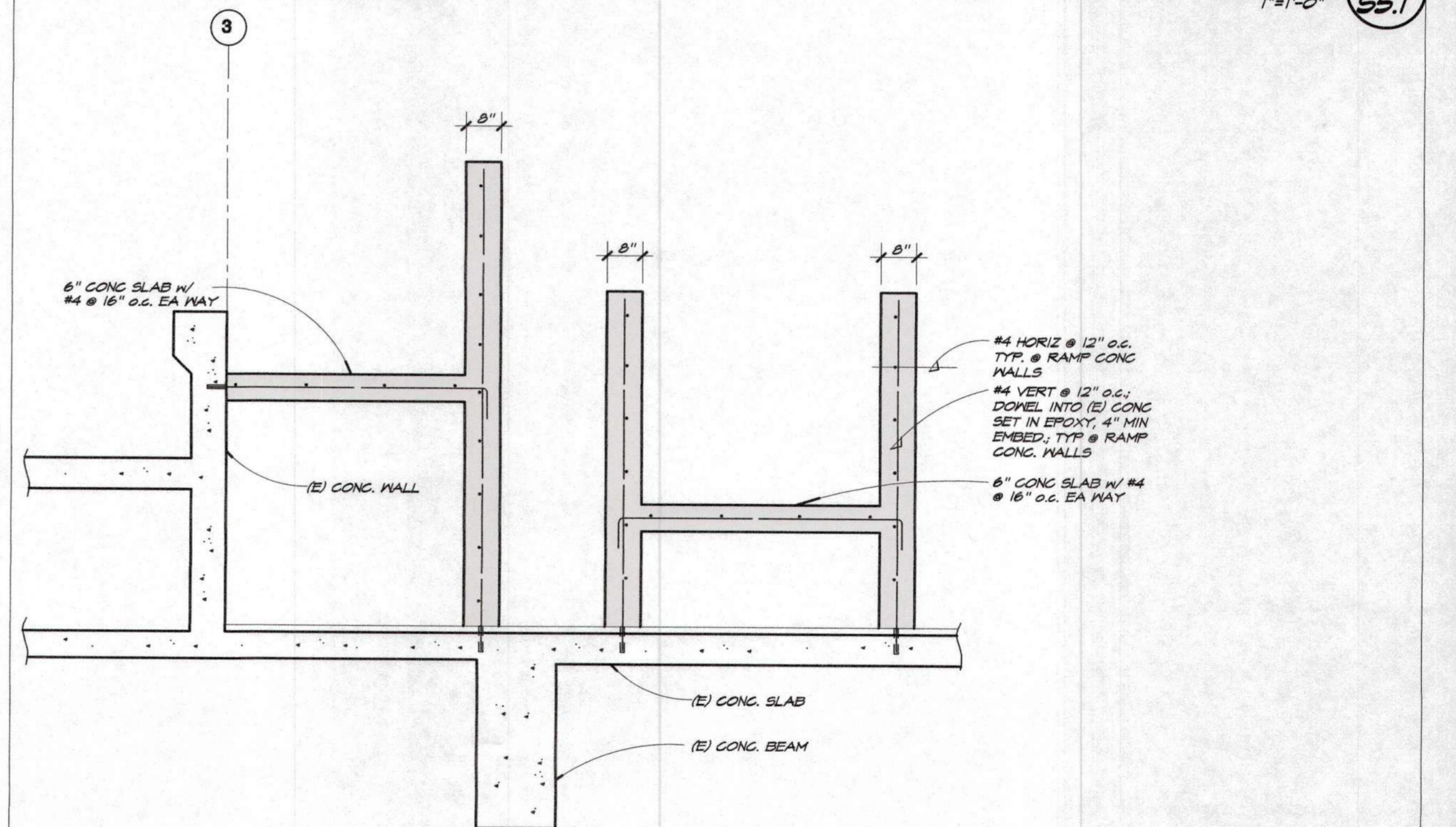
DETAIL

1"=1'-0" S5.1



DETAIL

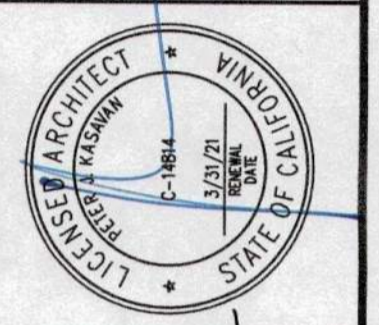
1"=1'-0" 2 S5.1



DETAIL

1"=1'-0" 3 S5.1

KASAVAN ARCHITECTS
 60 W. Market St., Suite 300
 Solinas, California 93901
 Voice 831.424.2232 Fax 831.424.2501



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 2715 PORTER STREET SUITE 100 CA 93921

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REVISIONS	
△	PLAN CHECK 12/05/14

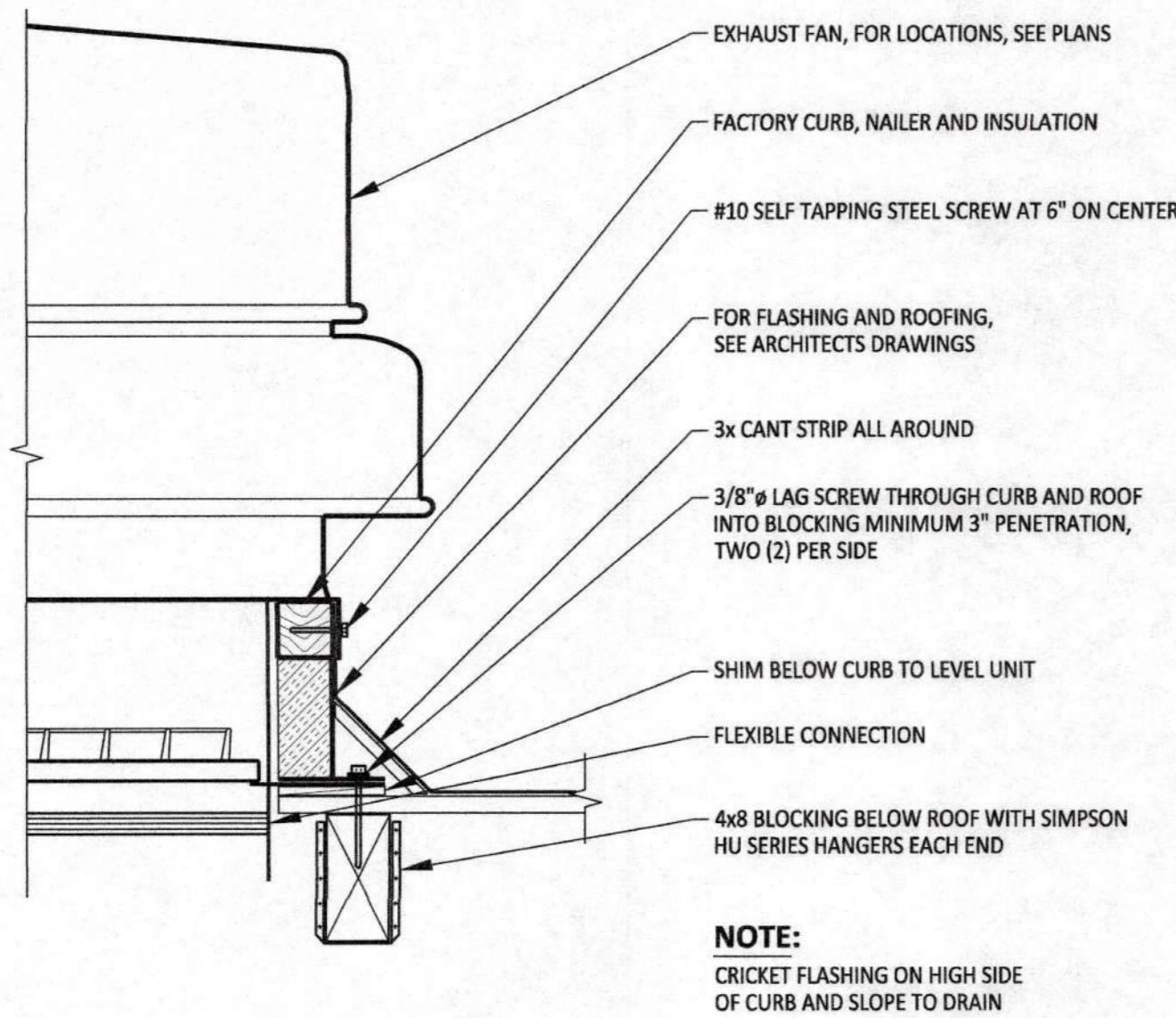
DESCRIPTION
 CITY OF CARMEL-BY-THE-SEA
 POLICE DEPARTMENT
 AT
 JUNIPERO AVE AND 4TH AVE.
 CARMEL-BY-THE-SEA, CA 93923

STAIR/RAMP DETAILS

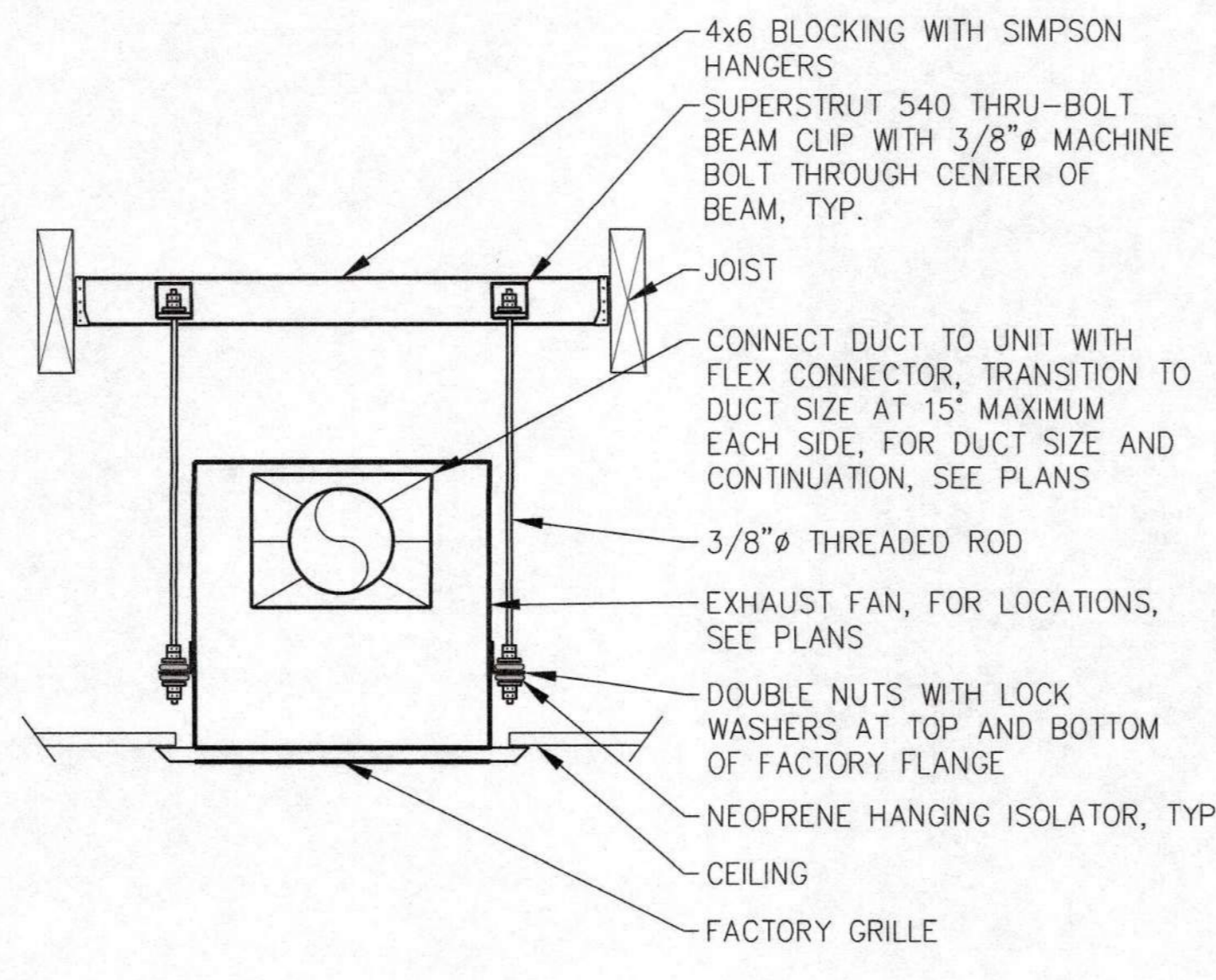
SHEET NUMBER
S5.1

DATE: 18 OCT 2014
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 DRAWN: NV.

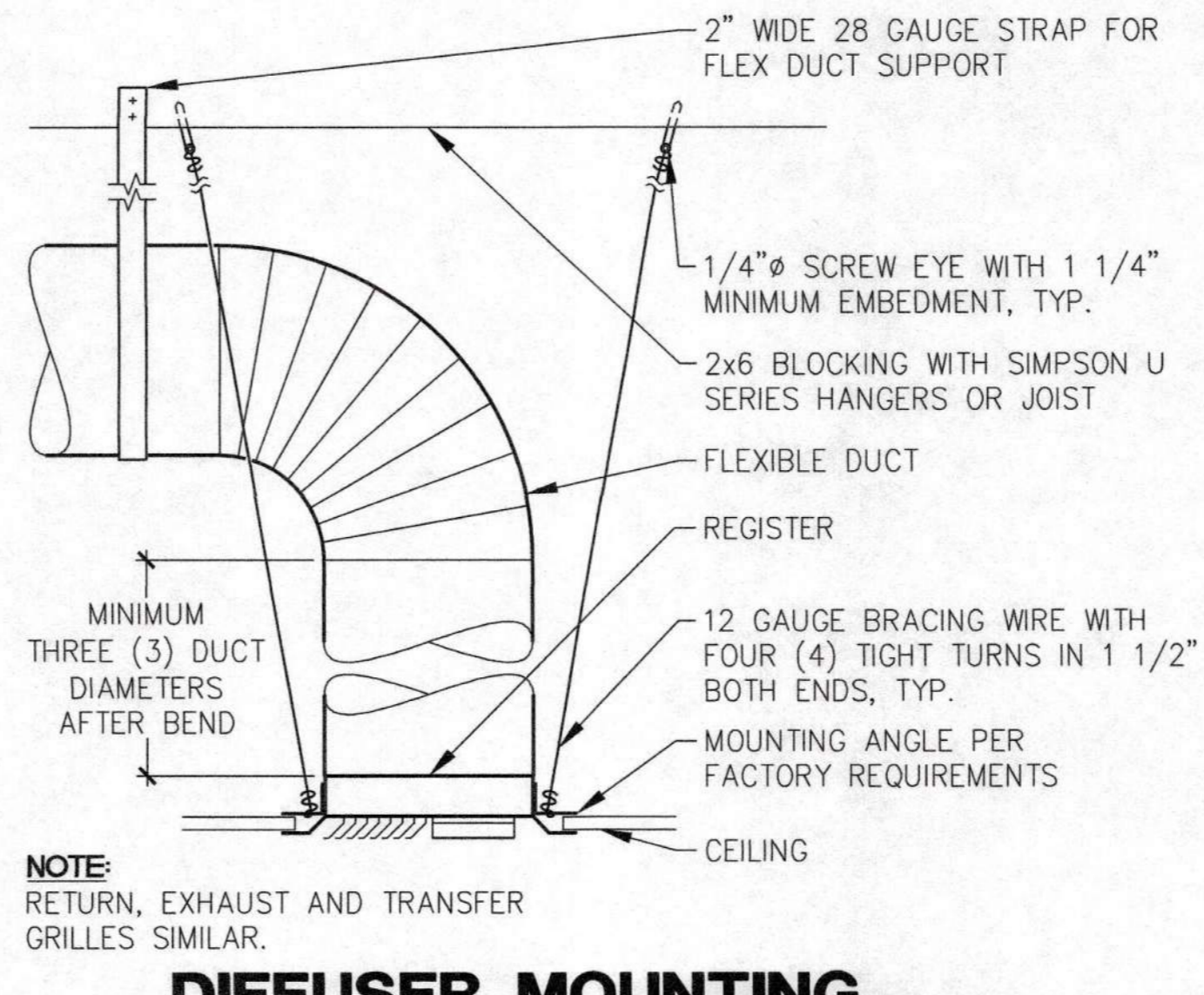
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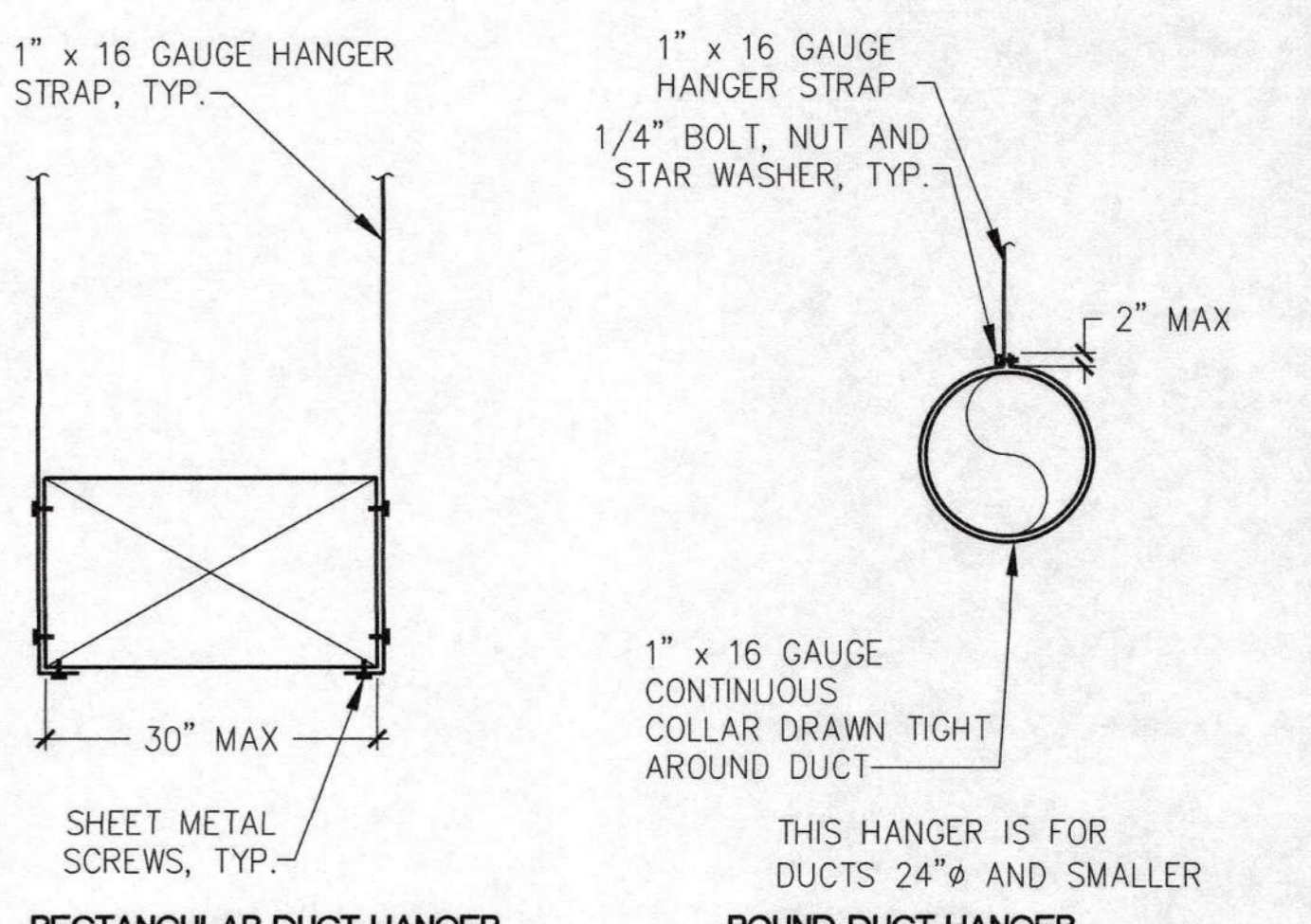
7 ROOF MOUNTED FAN
NO SCALE
M0.2 EF-2



5 CEILING MOUNTED FAN
NO SCALE
M0.2 EF-1

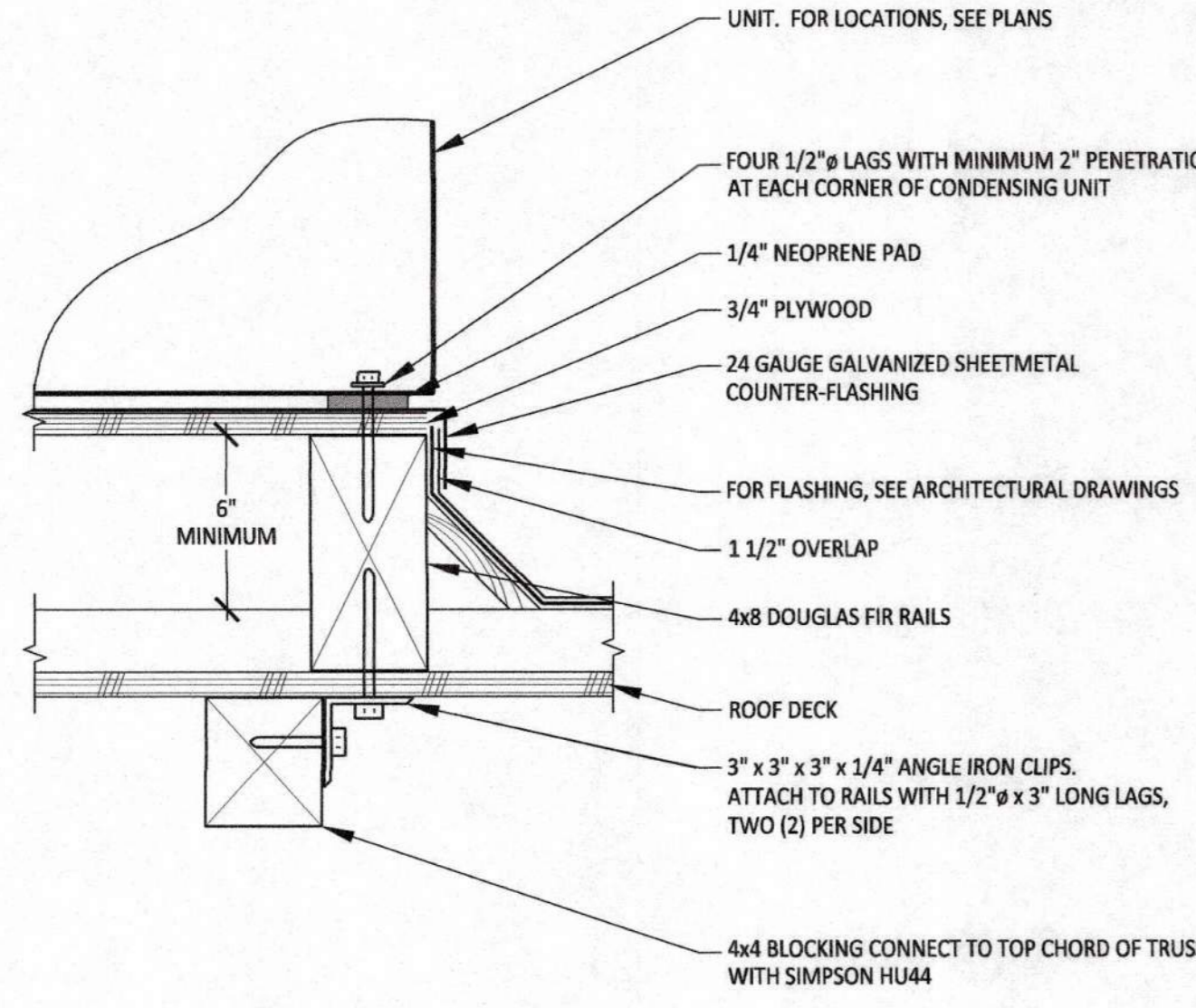


3 DIFFUSER MOUNTING HARD CEILING
NO SCALE
M0.2

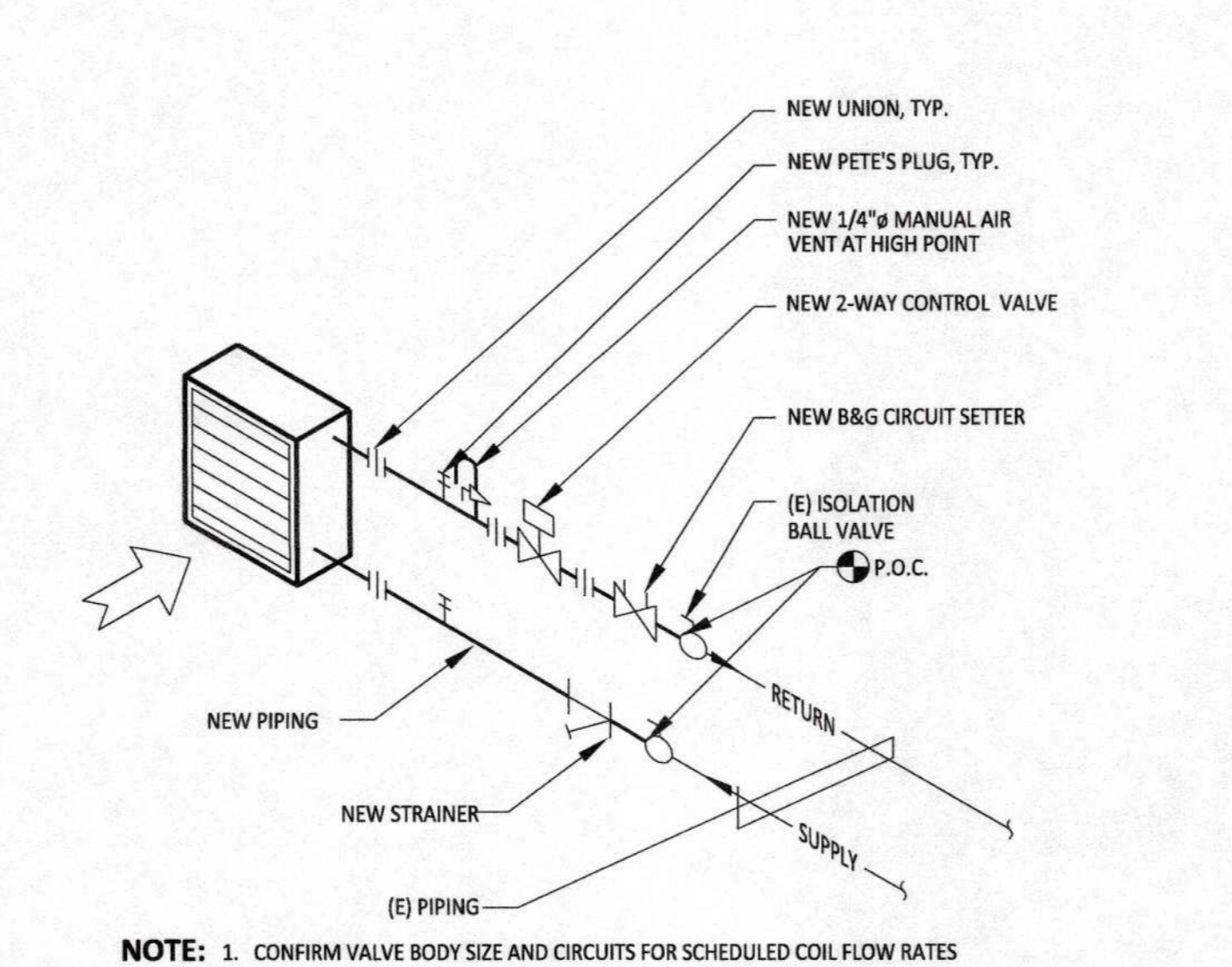


1 DUCT HANGERS DETAILS
NO SCALE
M0.2

NOTES:
1. REFER TO SPECIFICATIONS AND 2/MO.2 FOR HANGER SPACING.
2. ATTACHMENTS TO OVERHEAD STRUCTURE SHALL BE MADE IN ACCORDANCE WITH STRUCTURAL ENGINEERS REQUIREMENTS AND WEIGHT LIMITATIONS.
3. PROVIDE SWAY BRACING PER SMACNA SEISMIC GUIDELINES.
4. FOR ATTACHMENTS TO STRUCTURE, SEE 3/MO.2.

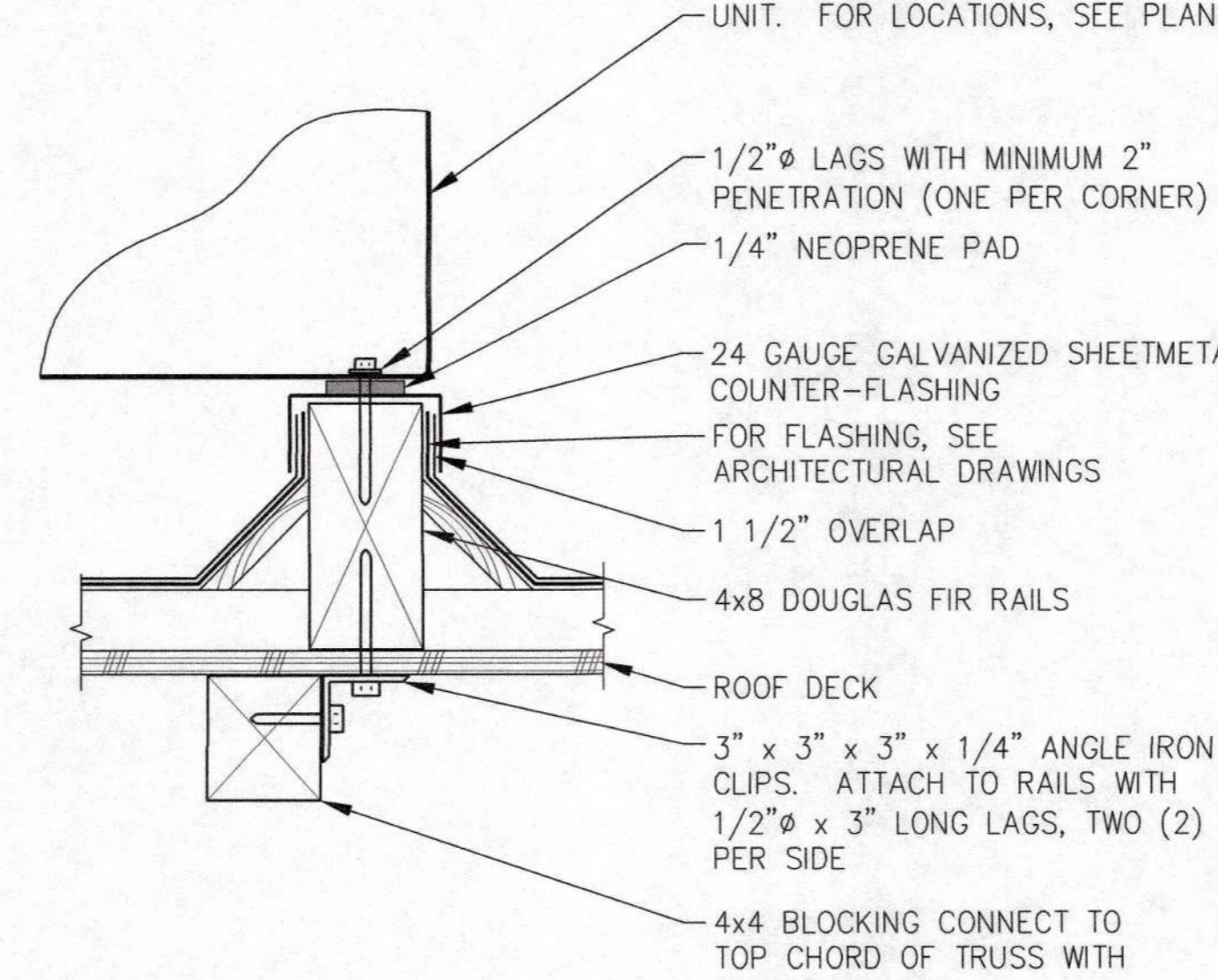


8 CONDENSING UNIT MOUNTING
NO SCALE
M0.2



6 COIL PIPING FOR HW & CHW
NO SCALE
M0.2

NOTE: 1. CONFIRM VALVE BODY SIZE AND CIRCUITS FOR SCHEDULED COIL FLOW RATES



4 UTILITY FAN MOUNTING
NO SCALE
M0.2 EF-3

MINIMUM HANGER SIZES FOR ROUND DUCT

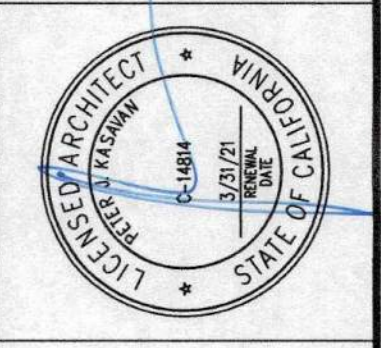
DUCT DIAMETER	MAX. SPACING	STRAP
10" AND LESS	12'-0"	1" X 16 GAUGE
11"-18"	12'-0"	1" X 16 GAUGE
19"-24"	12'-0"	1" X 16 GAUGE
25"-36"	12'-0"	1" X 16 GAUGE

MINIMUM HANGER SIZES FOR RECTANGULAR DUCT

MAX. HALF OF DUCT PERIMETER	PAIR AT 10'-0"	PAIR AT 8'-0"	PAIR AT 5'-0"	PAIR AT 4'-0"
	STRAP	STRAP	STRAP	STRAP
P/2=30"	1"x16 GAUGE	1"x16 GAUGE	1"x16 GAUGE	1"x16 GAUGE
P/2=72"	1"x16 GAUGE	1"x16 GAUGE	1"x16 GAUGE	1"x16 GAUGE

2 MINIMUM DUCT HANGER SIZE AND MAXIMUM SPACING
NO SCALE
M0.2

KASAVAN ARCHITECTS
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AXIOM ENGINEERS LLC & ASSOCIATES
CONSULTING ENGINEERS
22. Lower Caliente Rd, Suite 4 Salinas, California 93905-9188
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email: info@axiomengineers.com

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REVISIONS:
PLAN CHECK 11/25/19

DESCRIPTION
CITY OF CARMEL-BY-THE-SEA POLICE DEPARTMENT
AT:
JUNIPERO AVE AND 4TH AVE.
CARMEL-BY-THE-SEA, CA 93923
DETAILS
- MECHANICAL

SHEET NUMBER
M0.2
DATE: 27 JAN 2020
JOB DRAWN GADD
17121

STATE OF CALIFORNIA
HVAC SYSTEM REQUIREMENTS
 CECA-NRCC-MCH-01-E (Revised 01/16)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
HVAC Wet System Requirements
 (Page 3 of 3)

Project Name: Carmel Police Department Date Prepared: August 5, 2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Robert Strohshane Digitally signed by Robert Strohshane
 Company: Axiom Engineers, Inc. Signature Date: August 5, 2019
 Address: 22 Lower Ragsdale Drive, Suite A City/State/Zip: Monterey, CA 93940
 Phone: 831-649-8000

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

Responsible Designer Name: Robert Strohshane Digitally signed by Robert Strohshane
 Company: Axiom Engineers, Inc. Signature Date: August 5, 2019
 Address: 22 Lower Ragsdale Drive, Suite A City/State/Zip: Monterey, CA 93940
 Phone: 831-649-8000

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
HVAC DRY & WET SYSTEM REQUIREMENTS
 CECA-NRCC-MCH-02-E (Revised 01/16)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
HVAC Dry System Requirements
 (Page 1 of 3)

Project Name: Carmel Police Department Date Prepared: August 5, 2019

A. Equipment Tags and System Description⁴ - Dry Systems

MANDATORY MEASURES	T-24 Sections	Reference to the Requirements in the Contract Documents ²
Heating Equipment Efficiency ¹	110.1 or 110.2(a)	
Cooling Equipment Efficiency ¹	110.1 or 110.2(a)	
HVAC or Heat Pump Thermostats	110.2(b), 110.2(c)	
Furnace Standby Loss Control	110.2(d)	
Low Leakage AHUs	120.1(b)	
Ventilation ¹	120.1(c)	
Demand Control Ventilation ³	120.1(c)(5), 120.2(e)(3)	
Occupant Sensor Ventilation Control ³	120.2(e)	
Shutoff and Reset Controls ³	120.2(f)	
Outdoor Air and Exhaust Damper Control	120.2(g)	
Isolation Zones	120.2(h)	
Automatic Demand Shed Controls	120.2(i)	
Economizer FDD	120.4	
Duct Insulation	120.4	
PRESCRIPTIVE MEASURES		
Equipment is sized in conformance with 140.4(a & b)	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No	
Supply Fan Pressure Control ¹	140.4(c)	
Simultaneous Heat/Cool ¹	140.4(d)	
Economizer	140.4(f)	
Heat and Cool Air Supply Reset	140.4(g)	
Electric Resistance Heating ³	140.4(j)	
Duct Leakage Sealing and Testing ¹⁰	140.4(i)	

Notes:
 1. Provide equipment tags (e.g. AHU 1 to 10) and system description (e.g. Single Duct VAV reheat) as appropriate. Multiple units with common requirements can be grouped together.
 2. Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.
 3. The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. Where appliance standards apply (110.1), identify where equipment is required to be listed per Title 20 1601 et seq.
 4. Identify where the ventilation requirements are documented for each central HVAC system. Include references to both central unit schedules and sequences of operation. If one or more spaces is naturally ventilated identify where this is documented in the plans and specifications. Multiple zone central air systems must also provide a MCH-03-E compliance document.
 5. If one or more spaces has demand controlled ventilation identify where it is specified including the sensor specifications and the sequence of operation.
 6. If one or more space has occupant sensor ventilation control identify where it is specified including the sensor specifications and the sequence of operation.
 7. If the system is DDC identify the sequences for the system start/stop, optimal start, setback (if required) and reset (if required). For all systems identify the specification for the thermostats and time clocks (if applicable).
 8. Identify where the heating, cooling and deadband airflows are scheduled for this system. Include a reference to the specification of the zone controls. Provide a MCH-03-E compliance document.
 9. Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(j) applies.
 10. If duct leakage sealing and testing is required, a MCH-04-A compliance document must be submitted.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
HVAC DRY & WET SYSTEM REQUIREMENTS
 CECA-NRCC-MCH-02-E (Revised 01/16)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
HVAC Dry & Wet System Requirements
 (Page 2 of 3)

Project Name: Carmel Police Department Date Prepared: August 5, 2019

B. Equipment Tags and System Description⁴ - Wet Systems

MANDATORY MEASURES	T-24 Sections	B-1	Reference to the Requirements in the Contract Documents ²
Heating Hot Water Equipment Efficiency ¹	110.1	M0.1	
Cooling Chilled and Condenser Water Equipment Efficiency ¹	110.1, 140.4(i)	N/A	
Open and Closed Circuit Cooling Towers conductivity or flow-based controls	110.2(e) 1	N/A	
Open and Closed Circuit Cooling Towers Maximum Achievable Cycles of Concentration (L/S) ³	110.2(e) 2	N/A	
Open and Closed Circuit Cooling Towers Flow Meter with analog output	110.2(e) 3	N/A	
Open and Closed Circuit Cooling Towers Overflow Alarm	110.2(e) 4	N/A	
Open and Closed Circuit Cooling Towers Efficient Drift Eliminators	110.2(e) 5	N/A	
Pipe Insulation	120.3	N/A	
PRESCRIPTIVE MEASURES			
Cooling Tower Fan Controls	140.4(b)(2), 140.4(h)(5)	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No	
Cooling Tower Flow Controls	140.4(h)(3)	N/A	
Centrifugal Fan Cooling Towers ³	140.4(h)(4)	N/A	
Air-Cooled Chiller Limitation ³	140.4(j)	N/A	
Variable Flow System Design	140.4(k)	N/A	
Chiller and Boiler Isolation	140.4(l)	M2.1	
CHW and HHW Reset Controls	140.4(m)	M2.1	
WLHP Isolation Valves	140.4(n)	N/A	
VSD on CHW, CW & WLHP Pumps >5HP	140.4(o)	N/A	
DP Sensor Location	140.4(x)	N/A	

Notes:
 1. Provide equipment tags (e.g. CH 1 to 3) or system description (e.g. CHW loop) as appropriate. Multiple units with common requirements can be grouped together.
 2. Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.
 3. The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. For chillers operating at non-standard efficiencies provide the Kadj values. For chillers also note whether the efficiencies are Path A or Path B.
 4. Identify if cooling towers have propeller fans. If towers use centrifugal fans document which exception is used.
 5. If air-cooled chillers are used, document which exceptions have been used to comply with 140.4(j) and the total installed design capacity of the air-cooled chillers in the chilled water plant.
 6. Identify the existence of a completed MCH-06-E when open or closed circuit cooling towers are specified to be installed, otherwise enter "N/A".

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
 CECA-NRCC-MCH-01-E (Revised 01/16)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Mechanical Systems
 (Page 1 of 3)

Project Name: Carmel Police Department Date Prepared: August 6, 2019

A. MECHANICAL COMPLIANCE DOCUMENTS & WORKSHEETS (check box if worksheet is included)
 For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2016 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated into the building plans.

YES	NO	Comp. Doc./Worksheet #	Title
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-MCH-01-E (Part 1 of 3)	Certificate of Compliance, Declaration. Required on plans for all submittals.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-MCH-01-E (Part 2 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-02-A to 11-A). Required on plans for all submittals.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-MCH-01-E (Part 3 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-12-A to 18-A). Required on plans where applicable.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-MCH-02-E (Part 1 of 2)	Mechanical Dry Equipment Summary is required for all submittals with Central Air Systems. It is optional on plans.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-MCH-02-E (Part 2 of 2)	Mechanical Wet Equipment Summary is required for all submittals with chilled water, hot water or condenser water systems. It is optional on plans.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-MCH-03-E	Mechanical Ventilation and Reheat is required for all submittals with multiple zone heating and cooling systems. It is optional on plans.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-MCH-07-E (Part 1 of 2)	Power Consumption of Fans. Required on plans where applicable.
<input type="checkbox"/>	<input type="checkbox"/>	NRCC-MCH-07-E (Part 2 of 2)	Power Consumption of Fans, Declaration. Required on plans where applicable.

B. MECHANICAL HVAC ACCEPTANCE FORMS (check box for required compliance documents)
 Test Performed By:
 Designer:
 This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.
 Installing Contractor:
 The contractor who installed the equipment is responsible to either conduct the acceptance test themselves or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible.
 Enforcement Agency:
 Planscheck - The NRCC-MCH-01-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked.
 Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operation.

Test Description	MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-06-A	MCH-07-A	MCH-08-A	MCH-09-A	MCH-10-A	MCH-11-A	
Equipment Requiring Testing or Verification	# of Units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Controlled Ventilation (DCV)	Supply Fan VAV	Valve Leakage Test	Temp. Reset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Add Row											
Remove Last											

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
 CECA-NRCC-MCH-01-E (Revised 01/16)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Mechanical Systems
 (Page 2 of 3)

Project Name: Carmel Police Department Date Prepared: August 6, 2019

C. MECHANICAL HVAC ACCEPTANCE FORMS (check box for required compliance documents)
 Test Performed By:
 Designer:
 This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.
 Installing Contractor:
 The contractor who installed the equipment is responsible to either conduct the acceptance test themselves or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible.
 Enforcement Agency:
 Planscheck - The NRCC-MCH-01-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked.
 Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operation.

Test Description	MCH-12-A	MCH-13-A	MCH-14-A	MCH-15-A	MCH-16-A	MCH-17-A	MCH-18-A
Equipment Requiring Testing or Verification	# of Units	Fault Detection & Diagnostics for DX Units	Automatic Fault Detection & Diagnostics for Air & Zone	Distributed Energy Storage DX AC Systems	Thermal Energy Storage (TES) Systems	Supply Air Temperature Reset Controls	Condenser Water Reset Controls
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Row							
Remove Last							

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
 CECA-NRCC-MCH-01-E (Revised 01/16)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Mechanical Systems
 (Page 3 of 3)

Project Name: Carmel Police Department Date Prepared: August 6, 2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Robert Strohshane Digitally signed by Robert Strohshane
 Company: Axiom Engineers, Inc. Signature Date: August 6, 2019
 Address: 22 Lower Ragsdale Drive, Suite A City/State/Zip: Monterey, CA 93940
 Phone: 831-649-8000

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

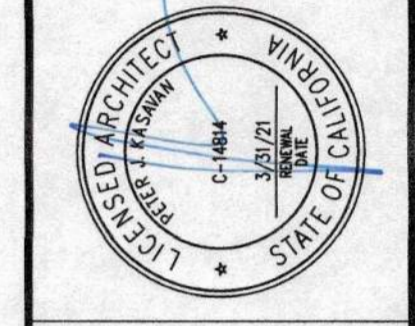
Responsible Designer Name: Robert Strohshane Digitally signed by Robert Strohshane
 Company: Axiom Engineers, Inc. Signature Date: August 6, 2019
 Address: 22 Lower Ragsdale Drive, Suite A City/State/Zip: Monterey, CA 93940
 Phone: 831-649-8000

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

Drawing: H:\PROJECTS\20160606\CARMEL\PLAN\24-233 HVAC-MCH-02-E.dwg
 Date: 8/6/16 10:48 AM
 Author: R. STROSHANE
 Title: HVAC SYSTEM REQUIREMENTS

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 AXIOM ENGINEERS, INC.
 FEE & ASSOCIATES
 CONSULTING ENGINEERS
 email: m33439@axiomengineers.com
 (831) 449-8000
 (831) 449-8000
 22 Lower Ragsdale Drive, Suite A
 Monterey, California, 93940-3138
 M. Project #: 20160606

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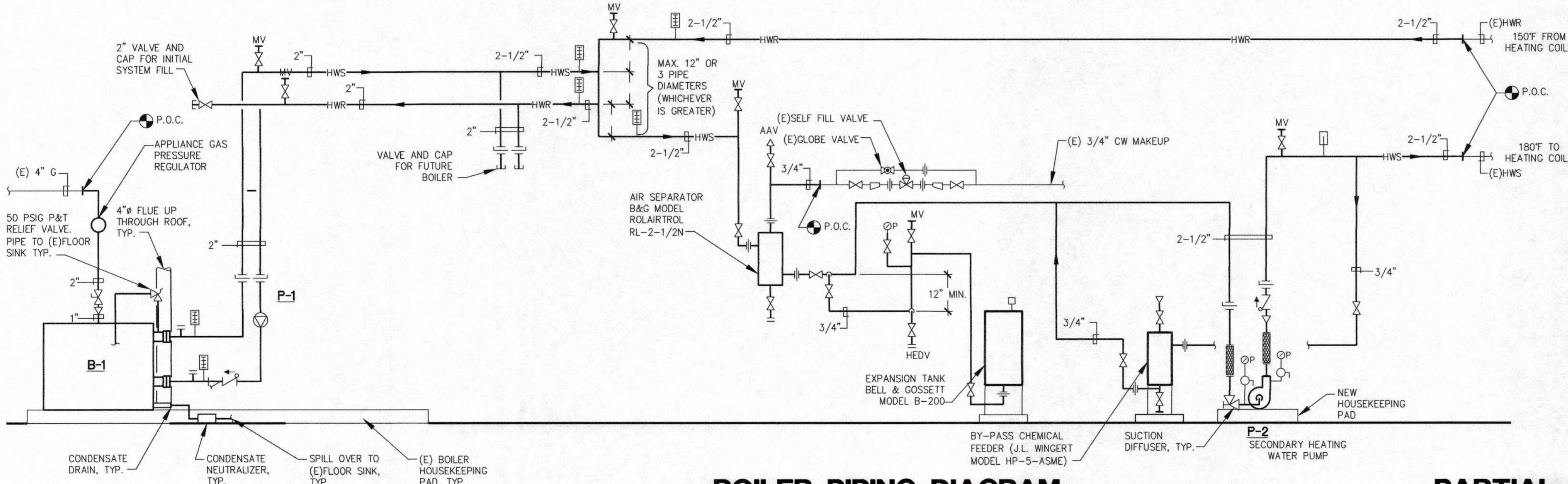
REVISIONS:
 PLAN CHECK
 11/25/19

DESCRIPTION
**CITY OF CARMEL-BY-THE-SEA
 POLICE DEPARTMENT**
 AT:
 JUNIPERO AVE AND 4TH AVE.
 CARMEL-BY-THE-SEA, CA 93923
TITLE 24 DOCUMENTATION
 - MECHANICAL

SHEET NUMBER
M0.3
 DATE: 27 JAN 2020
 JOB 1712J DRAWN CADD

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 Author: H:\PROJECTS\20190606\CARMELO\PLAN\BASE MECHANICAL\H. LEWIS.dwg
 Date: 7/26/2019 11:31:36 a.m.

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DEMOLITION NOTES:

1. REMOVE (E) BOILER
2. REMOVE (E) BOILER AND WATER HEATER FLUES
3. REMOVE (E) BASE MOUNTED BOILER PUMPS
4. ABANDON (E) COMPRESSION TANK IN THE ATTIC
5. REMOVE (E) HEATING WATER PIPING IN BOILER ROOM, NOT SHOWN TO REMAIN

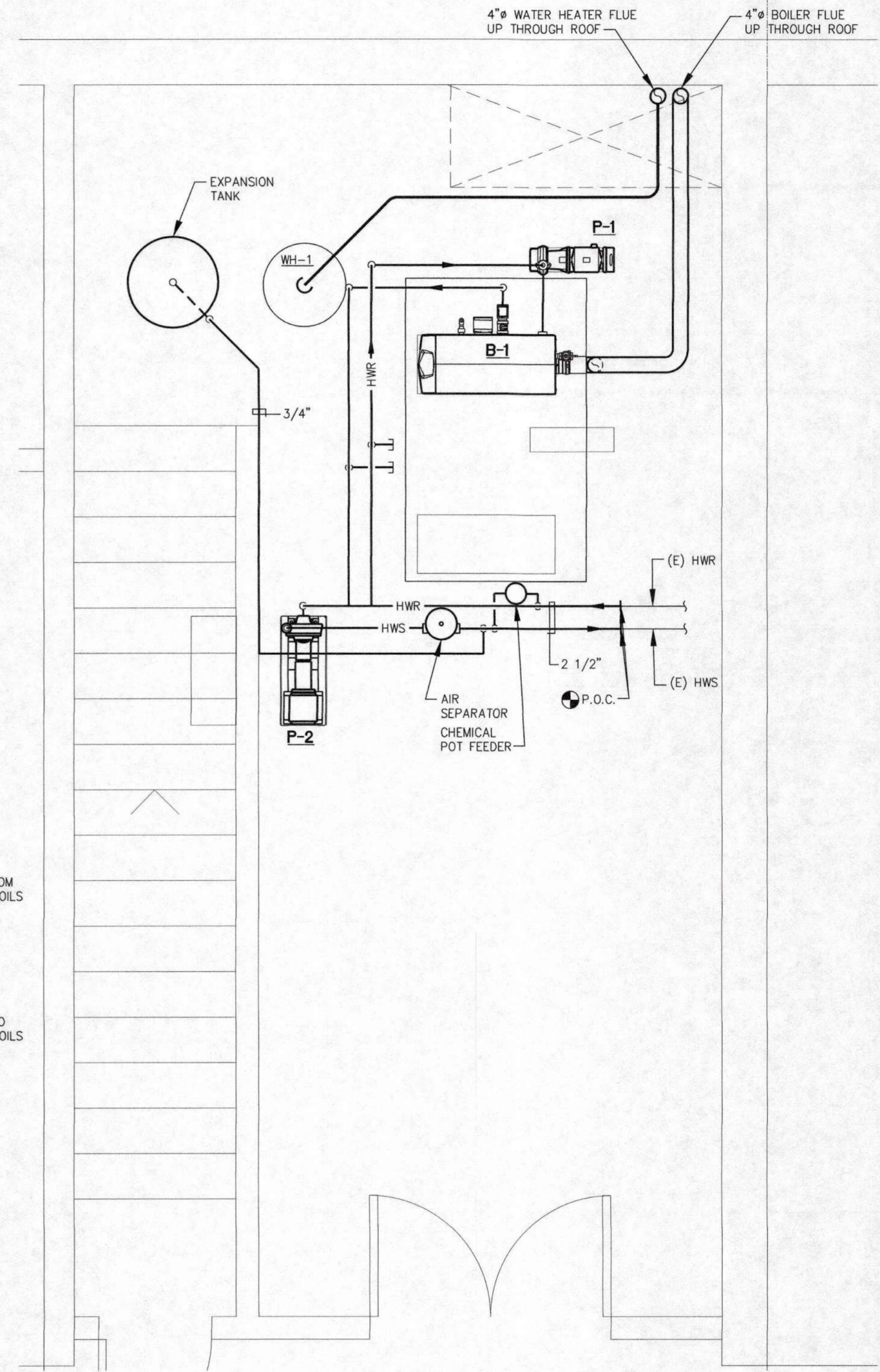
SEQUENCE OF OPERATIONS

ON A CALL FOR HEAT, THE SECONDARY HEATING WATER PUMP, P-2 IS STARTED AND THE BOILER'S ON-BOARD SEQUENCING CONTROLLER IS ENABLED. THE BOILER'S ON-BOARD SEQUENCING CONTROLLER STARTS THE BOILER PRIMARY PUMP, P-1.

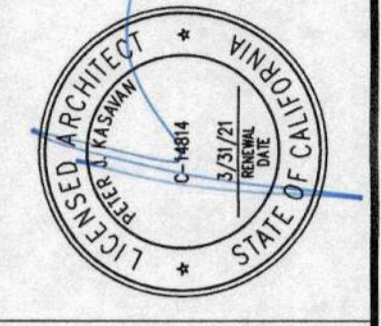
WHEN THE FLOW SWITCH PROVES FLOW THROUGH THE BOILER, THE BOILER IS ALLOWED TO FIRE.

THE ON-BOARD SEQUENCING CONTROLLER MODULATES THE BOILER FIRING RATE TO MATCH THE HEATING DEMAND.

WHEN THE CALL FOR HEAT IS SATISFIED, THE ON-BOARD SEQUENCING CONTROL WILL SHUT DOWN THE BOILER AND ITS ASSOCIATED PRIMARY PUMP. THE EMS WILL CONTINUE TO CONTROL THE SECONDARY PUMP. AFTER THE BOILER SHUTS DOWN, THE ON-BOARD SEQUENCING CONTROLLER WILL PREVENT SHORT CYCLING OF THE BOILER BY PREVENTING THEM FROM RE-FIRING FOR 5 MINUTES (ADJ) AFTER THE CALL FOR HEAT IS SATISFIED.



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 60 W. Market St., Suite 300
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AXIOM ENGINEERS
LEE & ASSOCIATES
 CONSULTING ENGINEERS
 22 Lower Waddell Drive, Suite 400
 San Ramon, California 94583-1818
 925.754.3333
 email: mal@axiomengineers.com
 44 Project # 2018000

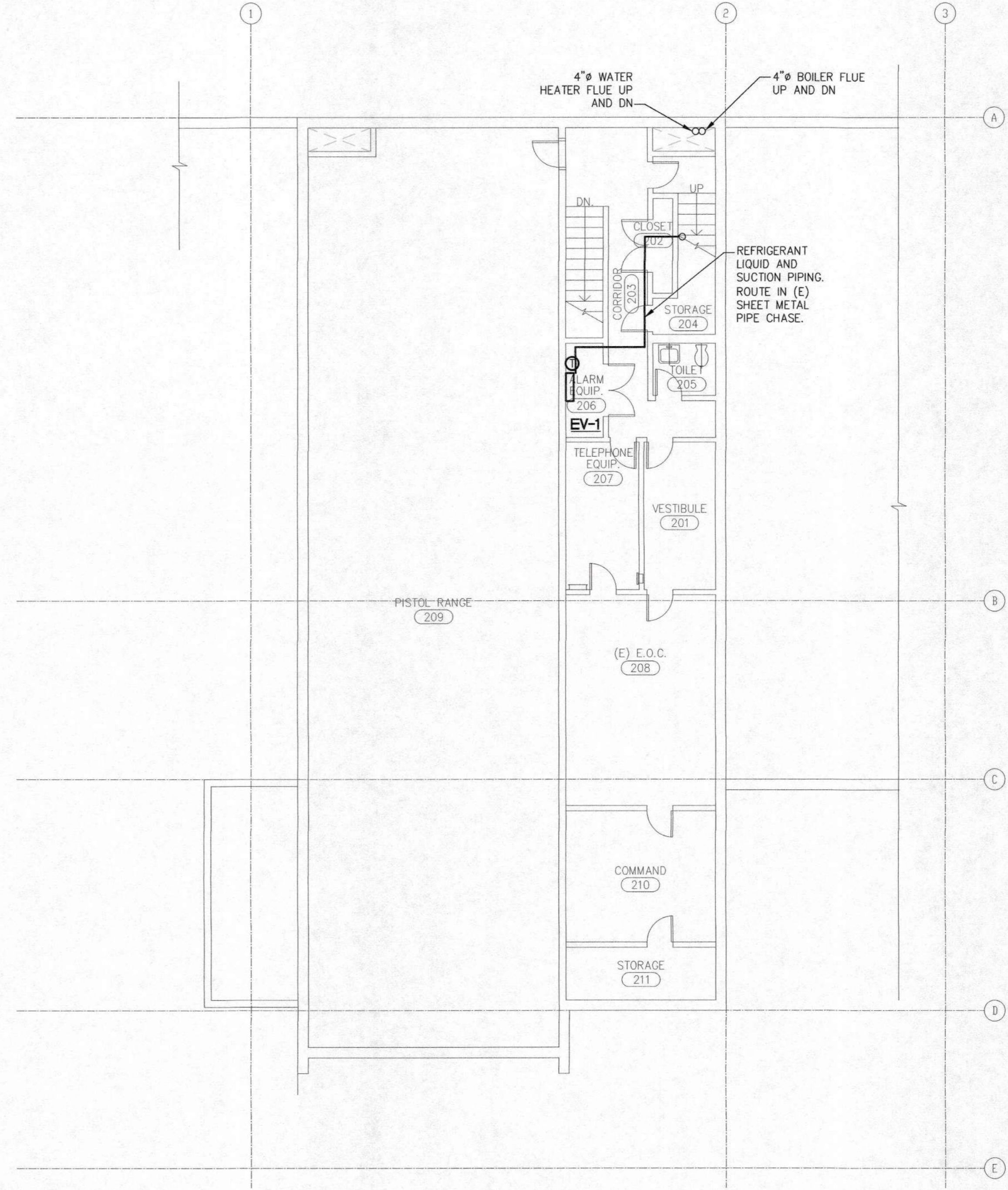
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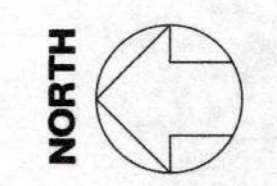
**CITY OF CARMEL - BY-THE-SEA
 POLICE DEPARTMENT**
 AT:
 JUNIPERO AVE AND 4TH AVE.
 CARMEL-BY-THE-SEA, CA 93923
 PARTIAL BASEMENT FLOOR PLAN - MECHANICAL

SHEET NUMBER
M2.1
 DATE: 21 JAN 2020
 JOB: 1121
 DRAWN: CADD

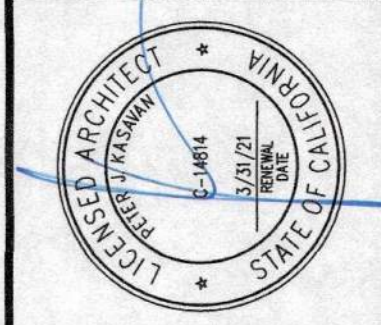
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 March 12, 2019, 8:16:30 a.m.
 H:\PROJECTS\20190000\CARMEL-POLICE-DEPARTMENT\20190000\CARMEL-POLICE-DEPARTMENT-BY-THE-SEA-PLANS-REVISED.DWG, M.A.S.-REVISED.DWG
 XREF: PUB-M.A.S.DWG, M.A.S.-REVISED.DWG



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



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 Salinas, California 93901
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**AXIOM ENGINEERS
 LEE & ASSOCIATES
 CONSULTING ENGINEERS**
 No. M33439
 EXP. JUNE 30, 2020
 MECHANICAL
 STATE OF CALIFORNIA

CONSULTANTS
 F. (817) 545-8800
 email: mal@axiomengineers.com
 AXIOM ENGINEERS
 LEE & ASSOCIATES
 CONSULTING ENGINEERS
 2515 West University Drive, Suite 300
 Irving, California 94604-3208
 Attn: Project # 2018000

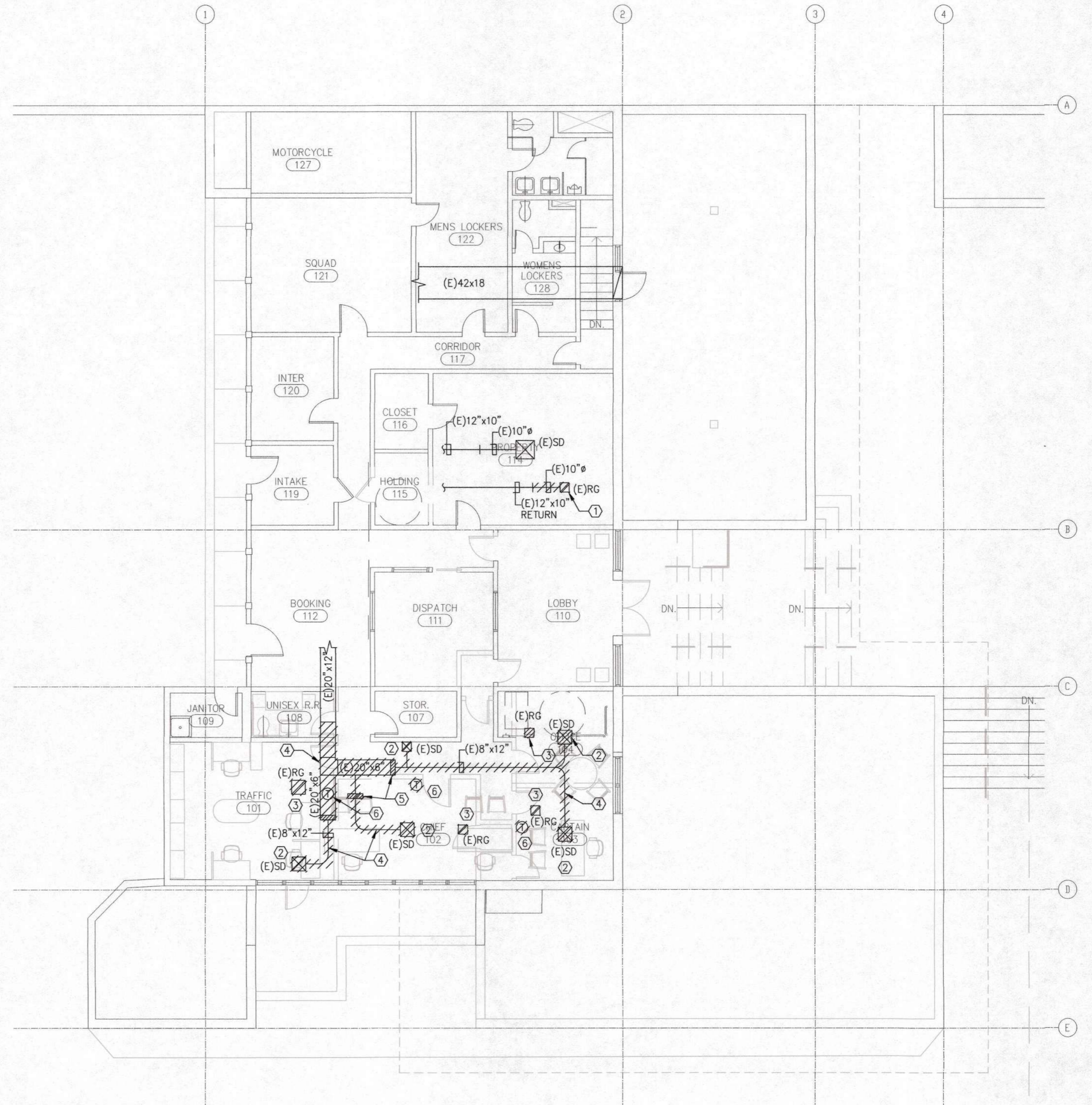
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 1 PLAN CHECK 11/25/19

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 POLICE DEPARTMENT**
 AT:
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 CARMEL-BY-THE-SEA, CA 93923
BASEMENT FLOOR PLANS - MECHANICAL

SHEET NUMBER
M2.2
 DATE: 21 JAN 2020
 JOB 1712J DRAWN CADD

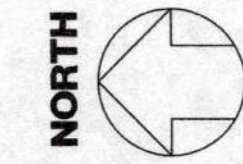
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 August 16, 2019 2:04:10 p.m.
 Drawing: H:\PROJECTS\20180801\00\ANOM\ANOM\PLAN\M22.MXD
 Path: H:\PROJECTS\20180801\00\ANOM\ANOM\PLAN\M22.MXD




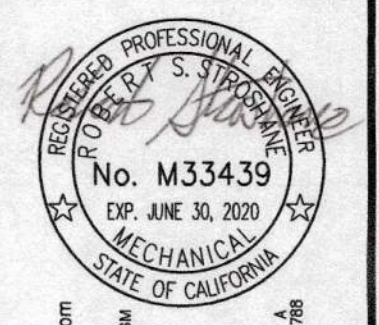
- DEMOLITION NOTES:**
- ① REMOVE (E) RETURN GRILLE AND CAP DUCT.
 - ② REMOVE (E) SUPPLY DIFFUSER.
 - ③ REMOVE (E) RETURN GRILLE.
 - ④ REMOVE (E) DUCTWORK.
 - ⑤ REMOVE (E) HOT WATER COIL AND CONTROL VALVE.
 - ⑥ REMOVE (E) THERMOSTAT.

UPPER LEVEL FLOOR PLAN - MECHANICAL DEMOLITION

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




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 AXIOM ENGINEERS
 & ASSOCIATES
 CONSULTING ENGINEERS
 email: mail@axiomengineers.com
 22 Lower Englewood Dr., Suite 100
 Salinas, California 93901
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 No. M33439
 EXP. JUNE 30, 2020
 MECHANICAL ENGINEERING
 STATE OF CALIFORNIA
 AXIOM PROJECT # 2018060

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REVISIONS:

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 11/25/19

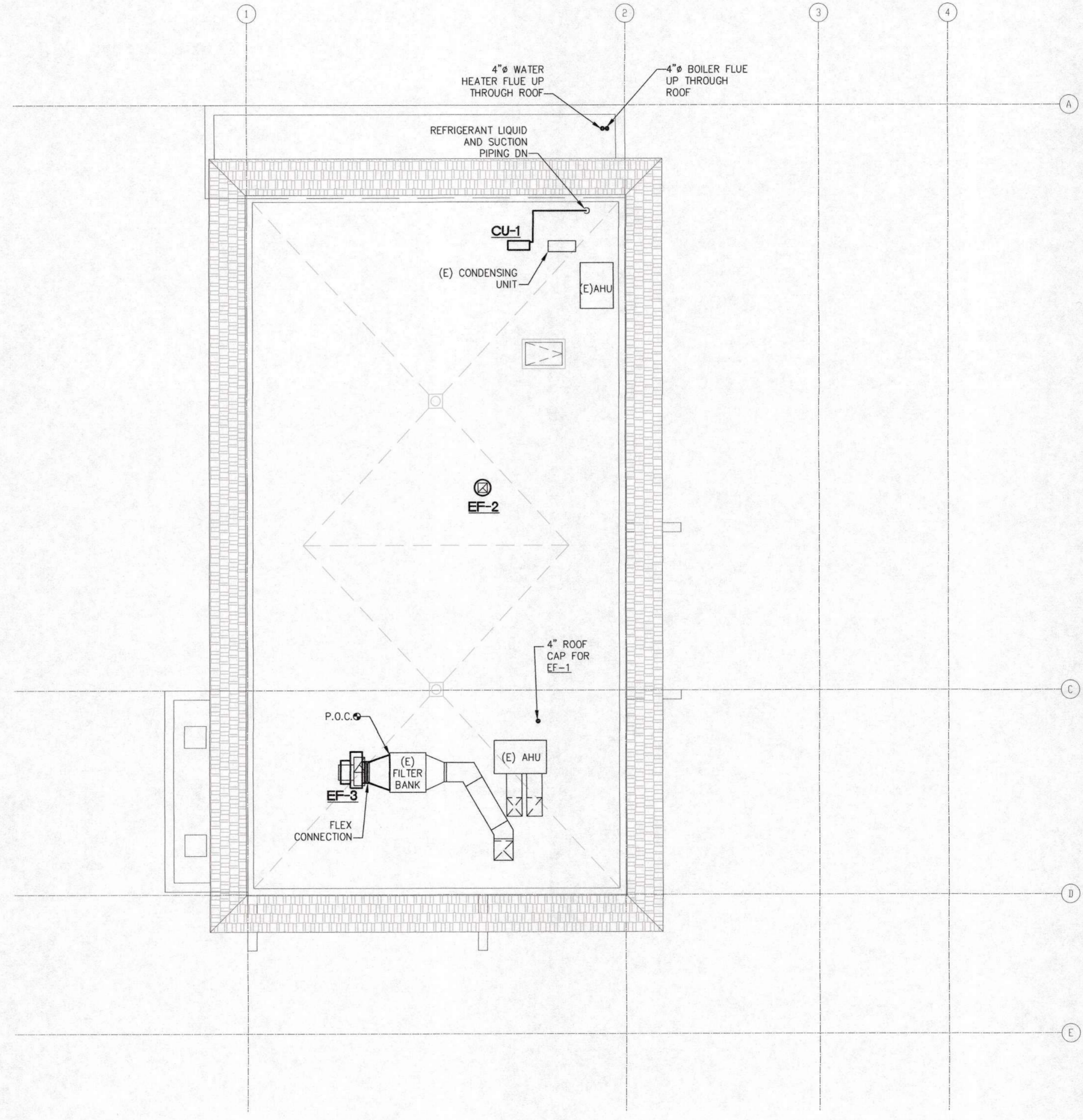
DESCRIPTION
**CITY OF CARMEL-BY-THE-SEA
 POLICE DEPARTMENT**
 JUNIPERO AVE AND 4TH AVE.
 CARMEL-BY-THE-SEA, CA 93923
**UPPER LEVEL FLOOR PLAN -
 MECHANICAL DEMOLITION**

SHEET NUMBER

M2.3

DATE: 27 JAN 2020
 JOB: IT121
 DRAWN: GADD

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 JULY 26, 2019 11:36:47 a.m.
 17121
 AXIOM ENGINEERS LEE & ASSOCIATES CONSULTING ENGINEERS
 21 JUNIPERO AVE AND 4TH AVE
 CARMEL-BY-THE-SEA, CA 93923

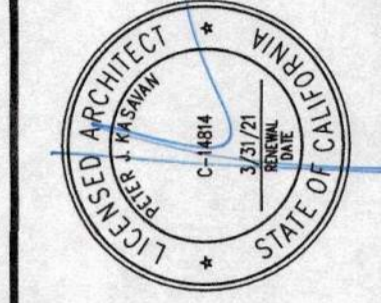


ROOF PLAN - MECHANICAL

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



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 Salinas, California 93901
 Voice 831.424.2232 Fax 831.424.2501



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REVISIONS:

1	PLAN CHECK	11/25/14
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DESCRIPTION:
CITY OF CARMEL-BY-THE-SEA POLICE DEPARTMENT
 AT
 JUNIPERO AVE AND 4TH AVE
 CARMEL-BY-THE-SEA, CA 93923
 ROOF PLAN - MECHANICAL

SHEET NUMBER
M2.5
 DATE: 21 JAN 2020
 JOB 17121 DRAWN CADD

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PLUMBING FIXTURE CONNECTIONS							
MARK	DESCRIPTION	MIN BRANCH SIZE				TRAP	REMARKS
		W	V	CW	HW		
WC-1	WATER CLOSET	3"	2"	1/2"	-	INTEGRAL	①
L-1	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	1 1/2"	①
RD-1	ROOF DRAIN	-	-	-	-	-	

① PLUMBING FIXTURES AND FITTINGS TO MEET THE STANDARDS REFERENCED IN TABLE 4.303.1 OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE.

PLUMBING FIXTURE SPECIFICATION

- FIXTURES SHALL BE COMPLETE WITH ALL FITTINGS, SUPPORTS, FASTENING DEVICES, FAUCETS, VALVES, 1/2" GAUGE TRAPS, STOPS, CAULKING AND APPURTENANCES REQUIRED. FIXTURE COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED.
- WATER CLOSET WC-1: KOHLER K-3999 "HIGHLINE" TOILET, FLOOR MOUNTED, ELONGATED BOWL, 16-1/2" HIGH, 1.28 GALLONS PER FLUSH. PROVIDE TRIP LEVER ON ACCESSIBLE SIDE. SEAT: BEMIS SOLID PLASTIC SEAT, ELONGATED, MODEL 1955CT. EXTRA HEAVY DUTY, OPEN FRONT LESS COVER, CHECK HINGES WITH STAINLESS STEEL POSTS. STOPS & SUPPLY: KOHLER K-7637, ANGLE STOP, SINGLE WITH 1/2" NPT CONNECTION.
 - LAVATORY L-1: KOHLER K-2007 "KINGSTON", ADA COMPLIANT WALL MOUNTED LAVATORY, SINGLE HOLE. FAUCET: MOEN COMMERCIAL, SOLID BRASS CONSTRUCTION FAUCET, MODEL 8419F05, 0.5 GPM. CARRIER: JAY R. SMITH MODEL 0722 WALL PLATE WITH ARMS.
 - ROOF DRAIN RD-1: JAY R. SMITH FIG. 1010Y WITH 3" OUTLET AND CAST-IRON DOME.

WATER HEATERS									
MARK	LOCATION	GAL CAP	MBH IN	ELECT		RECOVERY @ 90 F RISE	FULL WT	MAKE & MODEL	REMARKS
				KW	V/PH				
WH-1	(E) MECH ROOM	50	50	-	120/1	51 GPH	460	AO SMITH HURL-50	① ②

① PROVIDE NEW EXPANSION TANK (AMTROL MODEL ST-5) ② PROVIDE NEW HOT WATER RECIRCULATION PUMP (BELL & GOSSETT MODEL NBF-9U, 115V, 1PH, 0.40 FLA.)

AIR COMPRESSORS								
MARK	DESCRIPTION	CFM	PRESS PSI	MOTOR		WT LBS	MAKE & MODEL	REMARKS
				HP	RPM			
AC-1	TWO-STAGE COMPRESSOR W/ 120 GAL. HORIZ. TANK	35	175	10	-	208/3	920 INGERSOLL RAND 254SE10-V200	①

① FLA = 32.2 AMPS

GENERAL NOTES:

- THIS PROJECT IS A REMODEL. THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF THE WORK BASED ON OWNER PROVIDED RECORD DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VISIT SITE, VERIFY EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES NOTED TO THE ARCHITECT PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.
- PLUMBING CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQUIRED DUE TO DEMOLITION OR INSTALLATION WORK.
- REMOVE ALL ABANDONED PIPING, EQUIPMENT, AND FIXTURES INTERFERING WITH NEW WORK WHETHER NEW WORK IS ARCHITECTURAL, STRUCTURAL, MECHANICAL, OR ELECTRICAL.
- ABANDON IN PLACE ALL PIPING NOT INTERFERING WITH NEW WORK UNLESS REQUIRED FOR CONTINUED SERVICE.
- CUTTING OR CORING OF STRUCTURAL MEMBERS OR FOOTINGS IS PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE ARCHITECT.
- CONTRACTOR SHALL VERIFY THAT THE ELECTRICAL CONNECTIONS TO THE UNITS, INCLUDING CIRCUIT PROTECTION, CONFORM TO UNIT LABELS AND MANUFACTURER'S DIRECTIONS. WHERE WIRE SIZES SHOWN ON DRAWING EXCEED MANUFACTURER'S RECOMMENDATIONS, THE DRAWINGS SHALL GOVERN. ALL WIRING SHALL BE PER THE NATIONAL ELECTRICAL CODE.
- FLASHING AND WEATHERPROOFING AT EXTERIOR PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- COORDINATE WITH OWNER ON SPACE REQUIRED AND TIME SCHEDULE FOR DELIVERY OF ALL ITEMS WHICH ARE TO BE GIVEN TO THE OWNER FOR HIS DISPOSITION.
- FOR ROOF PENETRATIONS WITHOUT CURBS, PROVIDE WEATHERPROOF FLASHING PER SMACNA ARCHITECTURAL SHEET METAL MANUAL AND DRAWING NOTES.
- PRIME AND PAINT ALL EXPOSED PIPING PER ARCHITECTURAL SPECIFICATIONS. PAINT SHALL NOT EXCEED THE FOLLOWING VOLATILE ORGANIC COMPOUND CONTENT LIMITS: FLATS < 50 GRAMS PER LITER, NON-FLATS < 100 GRAMS PER LITER.
- COORDINATE WITH ELECTRICAL ON REQUIRED POWER OUTLETS AND LIGHT SWITCHES NEAR PLUMBING EQUIPMENT.
- BRACE ALL GAS PIPING THAT IS 1" NOMINAL OR LARGER. BRACE ALL PIPING IN MECHANICAL ROOMS THAT IS 1 1/4" NOMINAL OR LARGER. BRACE ALL PIPING 2 1/2" NOMINAL OR LARGER. PIPING SUSPENDED BY INDIVIDUAL HANGERS 12" OR LESS IN LENGTH, AS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUPPORT WHERE THE HANGER IS ATTACHED, NEED NOT BE BRACED.
- ALL PIPING, VALVES, EQUIPMENT, ETC. SHOWN IS NEW UNLESS OTHERWISE NOTED.

2016 CALGREEN NON-RESIDENTIAL MANDATORY MEASURES:

PLUMBING FIXTURES AND FITTINGS SHALL COMPLY WITH THE FOLLOWING:

- 5.303.3.1 WATER CLOSETS: ≤1.28 GAL/FLUSH
- 5.303.3.2 URINALS: ≤0.125 GAL/FLUSH
- 5.303.3.3.1 SINGLE SHOWERHEADS: ≤1.8 GPM AT 80 PSI
- 5.303.3.3.2 MULTIPLE SHOWERHEADS: COMBINED FLOW RATE OF ALL SHOWERHEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GPM AT 80 PSI OR ONLY ONE SHOWERHEAD IS TO BE IN OPERATION AT A TIME.
- 5.303.3.4.1 NON-RESIDENTIAL LAVATORY FAUCETS: ≤0.5 GPM AT 60 PSI
- 5.303.3.4.2 KITCHEN FAUCETS: ≤1.8 GPM AT 60 PSI; TEMPORARY INCREASE TO 2.2 GPM ALLOWED BUT SHALL DEFAULT TO 1.8 GPM
- 5.303.3.4.3 WASH FOUNTAINS: ≤1.8 GPM/20 [RIM SPACE (INCHES) AT 60 PSI]
- 5.303.3.4.4 METERING FAUCETS: ≤0.20 GALLONS PER CYCLE
- 5.303.3.4.5 METERING FAUCETS FOR WASH FOUNTAINS: ≤0.20 GALLONS PER CYCLE 20 [RIM SPACE (INCHES) AT 60 PSI]

NOTE: WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE USED TO ACHIEVE REDUCTION.

PLUMBING LEGEND				
SYMBOL	ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION
---	CW	COLD WATER (DOMESTIC)	CLG	CEILING
---	HW	HOT WATER	CONC	CONCRETE
---	HWR	HOT WATER RETURN	CONN	CONNECTION
---	V	VENT	COORD	COORDINATE
---	TW	TEMPERED WATER	CONST	CONSTRUCTION
---	TWR	TEMPERED WATER RETURN	DF	DRINKING FOUNTAIN
---	TP	TRAP PRIMER LINE	DN	DOWN
---	F	FIRE WATER	DWGS	DRAWINGS
---	SPKR	SPRINKLER	(E)	EXISTING
---	DSPKR	DRY SPRINKLER	ELEC	ELECTRICAL
---	SPKR(D)	DELUGE SPRINKLER	ELEV	ELEVATION
---	WSP	WET STAND PIPE	EMBT	EMBEDMENT
---	DSP	DRY STAND PIPE	EQUIP	EQUIPMENT
---	G	GAS (7"WC)	EWT	ENTERING WATER TEMPERATURE
---	MPG	MEDIUM PRESSURE GAS	EXT	EXTERIOR
---	S OR W	SOIL OR WASTE ABOVE GRADE	FD	FLOOR DRAIN
---	S OR W	SOIL OR WASTE BELOW GRADE	FFE	FINISHED FLOOR ELEVATION
---	GW	GREASE WASTE (ABOVE GROUND)	FLA	FULL LOAD AMPS
---	GW	GREASE WASTE (BELOW GROUND)	FLEX	FLEXIBLE
---	IW	INDUSTRIAL WASTE (ABOVE GROUND)	FLR	FLOOR
---	IW	INDUSTRIAL WASTE (BELOW GROUND)	FS	FLOOR SINK
---	RWL	RAIN WATER LEADER	FPM	FEET PER MINUTE
---	RD	ROOF DRAIN	FT	FEET
---	ID	INDIRECT DRAIN	FT HD	FEET HEAD
---	CD	CONDENSATE DRAIN	GPM	GALLONS PER MINUTE
---	CAP	CAP	GALV	GALVANIZED
---	CONT	CONTINUATION	GA	GAUGE
---	GATE VALVE	GATE VALVE	HP	HORSEPOWER
---	SOV	SHUT-OFF VALVE	HR	HOUR
---	GV	GLOBE VALVE	HZ	HERTZ
---	BUTTERFLY VALVE	BUTTERFLY VALVE	ID	INSIDE DIAMETER
---	BALL VALVE	BALL VALVE	IE	INVERT ELEVATION
---	BV	BALANCING VALVE	IN	INCH
---	CS	CIRCUIT SETTER	INV	INVERT
---	SOLENOID VALVE	SOLENOID VALVE	KW	KILOWATTS
---	---	---	LBS	POUNDS
---	---	---	LG	LONG
---	---	---	LRA	LOCKED ROTOR AMPS
---	---	---	LVG	LEAVING
---	---	---	LWT	LEAVING WATER TEMPERATURE
---	---	---	MAX	MAXIMUM
---	---	---	MBH	1000 BTU PER HOUR
---	---	---	MCA	MINIMUM CIRCUIT AMPS
---	---	---	MECH	MECHANICAL
---	---	---	MFR	MANUFACTURER
---	---	---	MIN	MINIMUM
---	---	---	MOC	MAXIMUM OVERCURRENT PROTECTION
---	---	---	(N)	NEW
---	---	---	NC	NORMALLY CLOSED
---	---	---	NO	NORMALLY OPEN
---	---	---	NTS	NOT TO SCALE
---	---	---	OC	ON CENTER
---	---	---	OD	OUTSIDE DIAMETER
---	---	---	PD	PRESSURE DROP
---	---	---	PH	PHASE
---	---	---	P/N	PART NUMBER
---	---	---	PRESS	PRESSURE
---	---	---	PRV	PRESSURE REDUCING VALVE
---	---	---	PSI	POUNDS PER SQUARE INCH
---	---	---	P/T	PRESSURE/TEMPERATURE
---	---	---	QTY	QUANTITY
---	---	---	REQD	REQUIRED
---	---	---	REQS	REQUIREMENTS
---	---	---	RLA	RATED/RUNNING LOAD AMPS
---	---	---	RM	ROOM
---	---	---	RPM	REVOLUTIONS PER MINUTE
---	---	---	RV	RELIEF VALVE
---	---	---	SOV	SHUT-OFF VALVE
---	---	---	SPEC	SPECIFICATION
---	---	---	STD	STANDARD
---	---	---	STRUCT	STRUCTURAL
---	---	---	TEMP	TEMPERATURE
---	---	---	TYP	TYPICAL
---	---	---	V	VOLT
---	---	---	VTR	VENT THROUGH ROOF
---	---	---	W/	WITH
---	---	---	WC	WATER COLUMN
---	---	---	WH	WATER HEATER
---	---	---	WM	WASHING MACHINE
---	---	---	WT	WEIGHT

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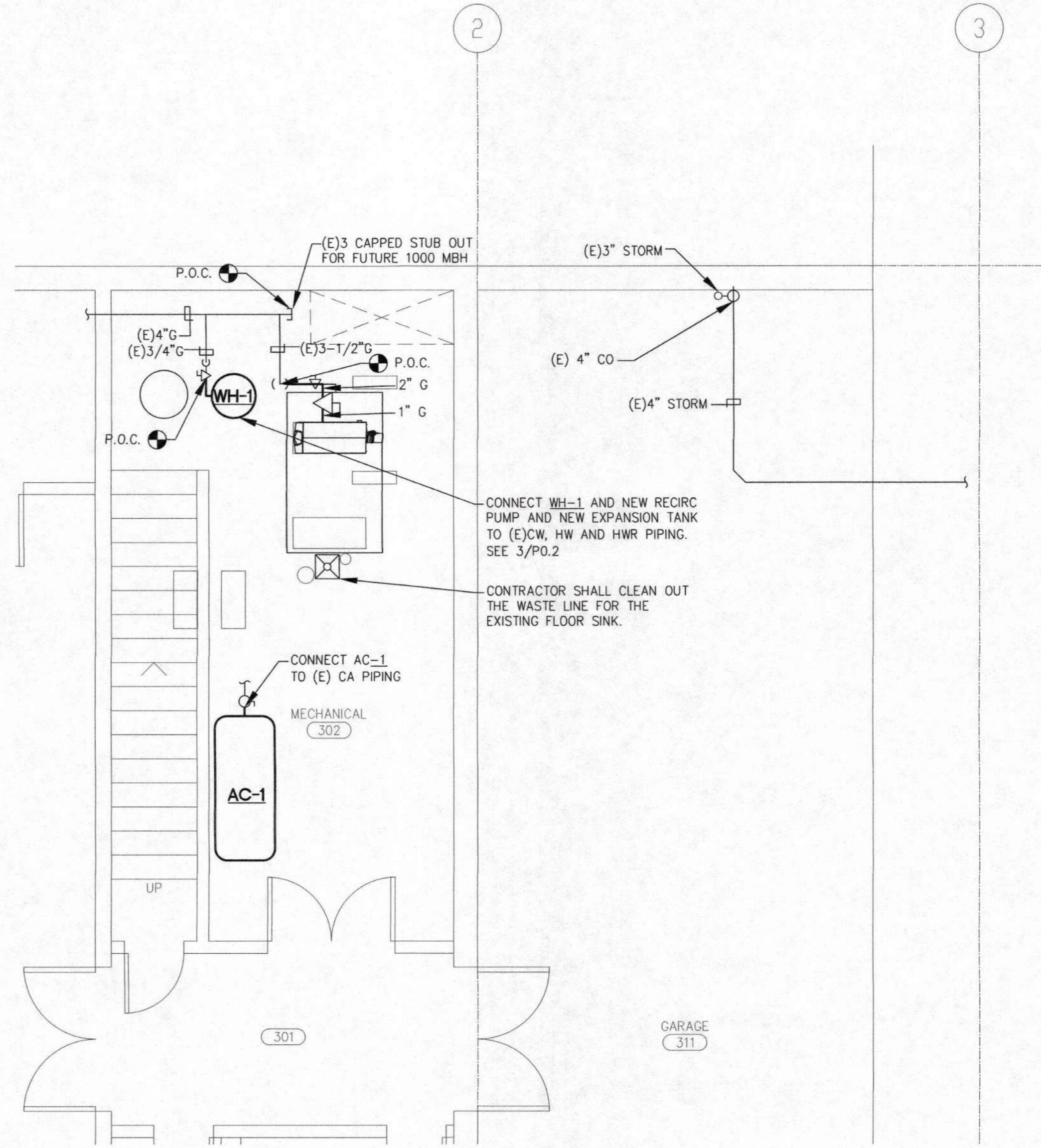
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DESCRIPTION
CITY OF CARMEL-BY-THE-SEA
POLICE DEPARTMENT
 AT:
 JUNIPERO AVE AND 4TH AVE.
 CARMEL-BY-THE-SEA, CA 93923
 LEGENDS SCHEMATIC AND NOTES - PLUMBING

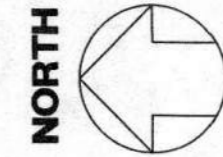
SHEET NUMBER
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 (TJ2) CADD

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DATE: 21 JAN 2020
DRAWN: H. Y. V. PLOZOS
CHECKED: J. H. KASAVAN
PROJECT: 19191-0001
JOB NO.: 19191-0001
SHEET NO.: P2.1
JOB TITLE: PARTIAL BASEMENT FLOOR PLAN - PLUMBING

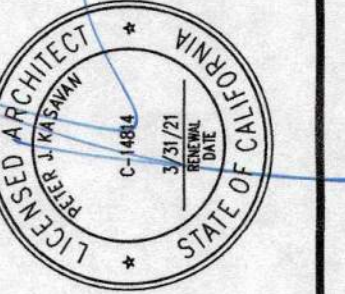


PARTIAL BASEMENT FLOOR PLAN - PLUMBING

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



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PLAN CHECK	11/25/19
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DESCRIPTION
**CITY OF CARMEL-BY-THE-SEA
POLICE DEPARTMENT**
AT:
JUNIPERO AVE AND 4TH AVE.
CARMEL-BY-THE-SEA, CA 93923

PARTIAL BASEMENT FLOOR PLAN - PLUMBING

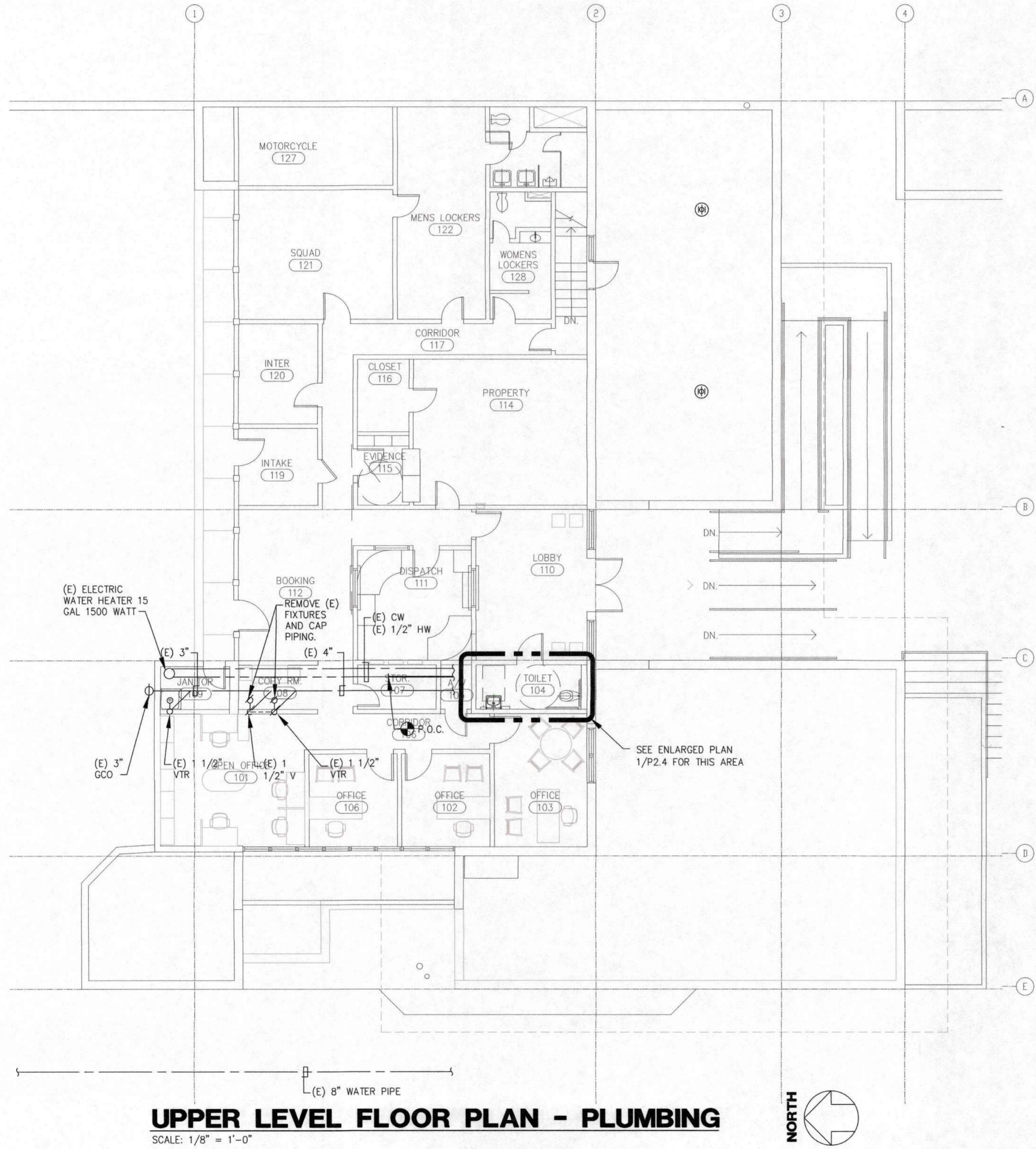
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DATE: 21 JAN 2020

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17121	CADD

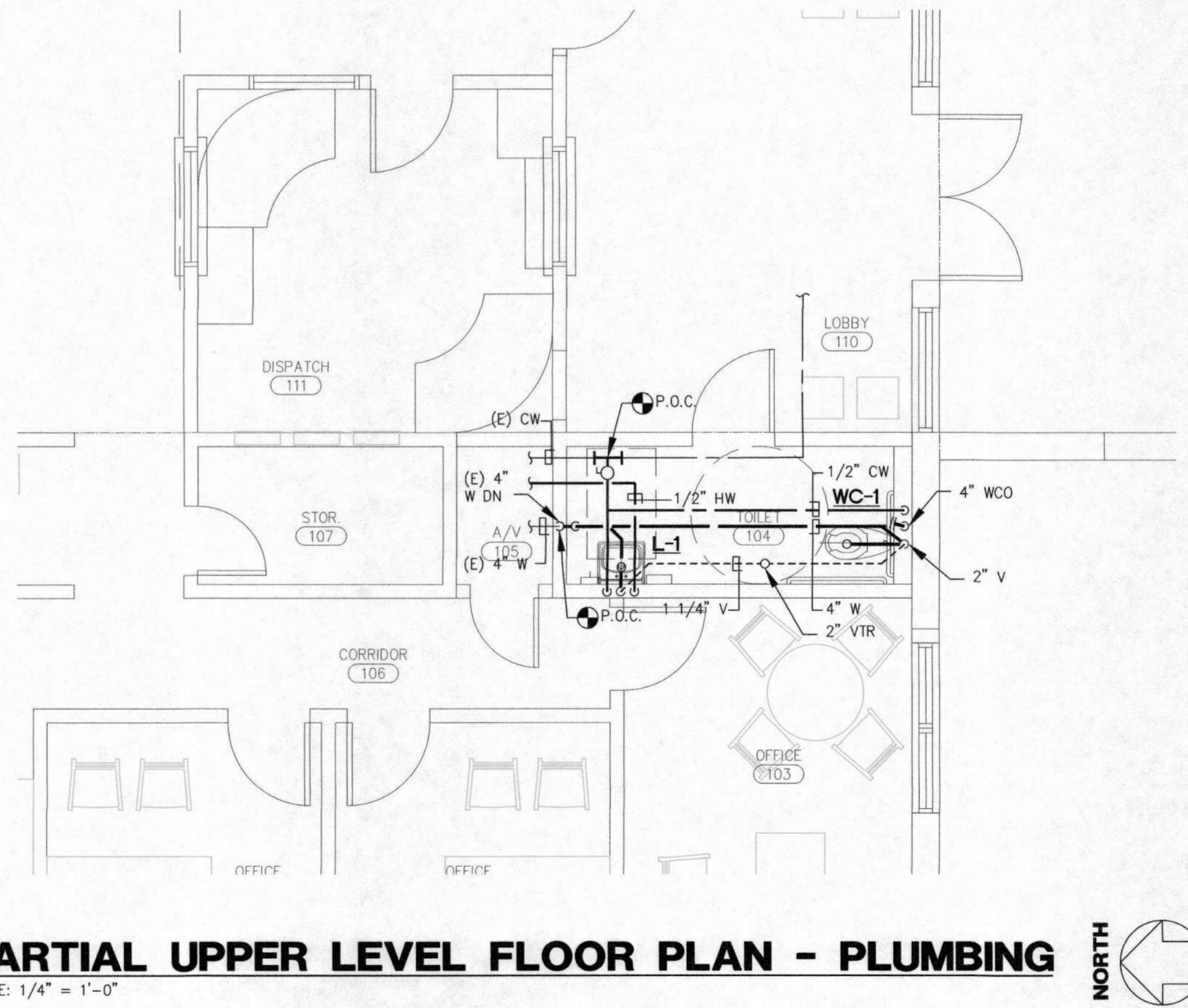
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 CHECKED BY: J. LEVINE
 PROJECT: CITY OF CARMEL - BY-THE-SEA POLICE DEPARTMENT



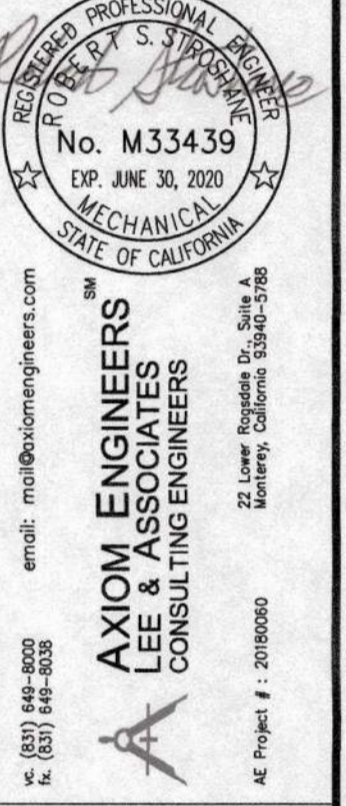
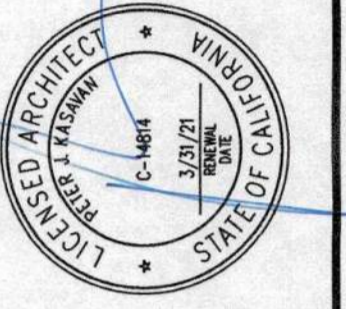
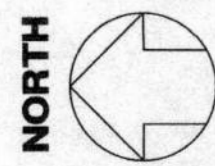
UPPER LEVEL FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



PARTIAL UPPER LEVEL FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



P2.4



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 Project # 201908010708050000

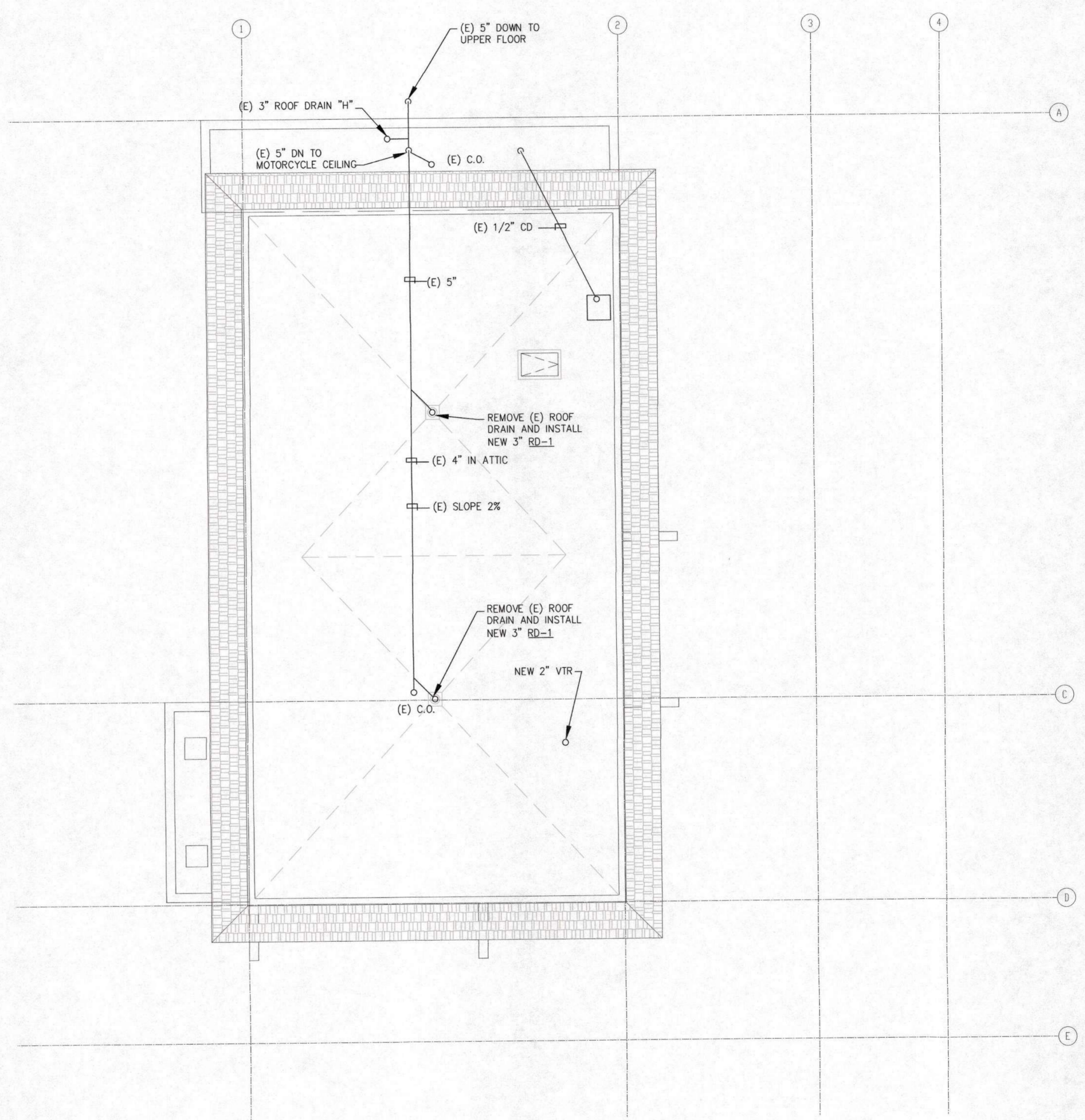
REVISIONS:

1	PLAN CHECK	11/25/19
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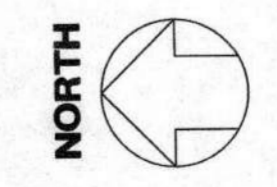
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	AT: JUNIPERO AVE AND 4TH AVE. CARMEL - BY-THE-SEA, CA 93923
UPPER LEVEL FLOOR PLANS - PLUMBING	

SHEET NUMBER	P2.4
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JOB	17121
DRAWN	GADD

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



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DESCRIPTION CITY OF CARMEL-BY-THE-SEA POLICE DEPARTMENT AT: JUNIPERO AVE AND 4TH AVE CARMEL-BY-THE-SEA, CA 93923	ROOF PLAN - PLUMBING
SHEET NUMBER	
P2.5	
DATE: 21 JAN 2020	JOB
DRAWN	CADD

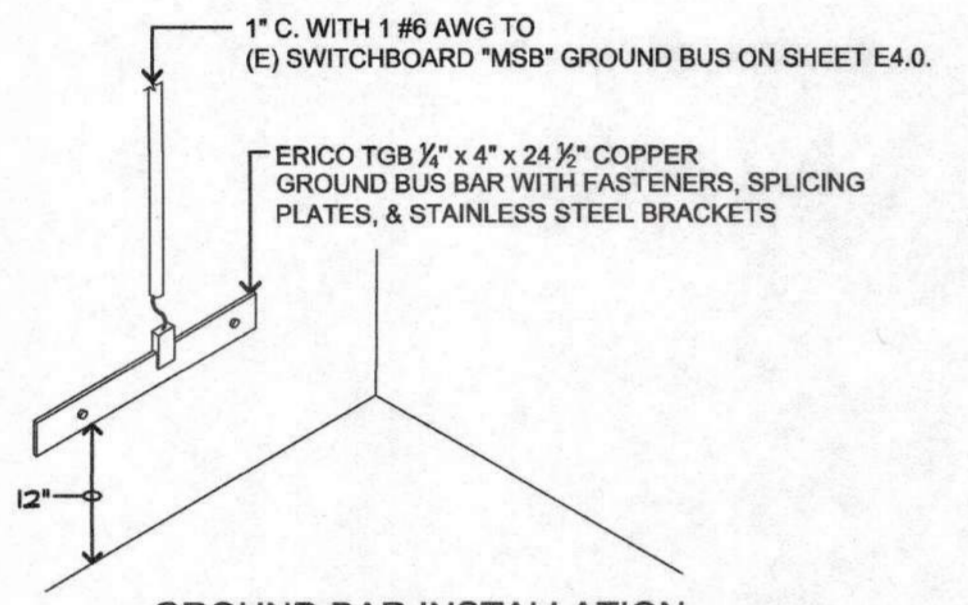
PANELBOARD SCHEDULES

(N) PANEL A
Voltage: 120/208V, 3φ
Wiring: 4W
Type: NEMA 1
Mounting: SURFACE
Main: M.L.O.
Bussing: 100A
Feed: TOP
Mounting: FLUSH
A.L.C.: MATCH (E)

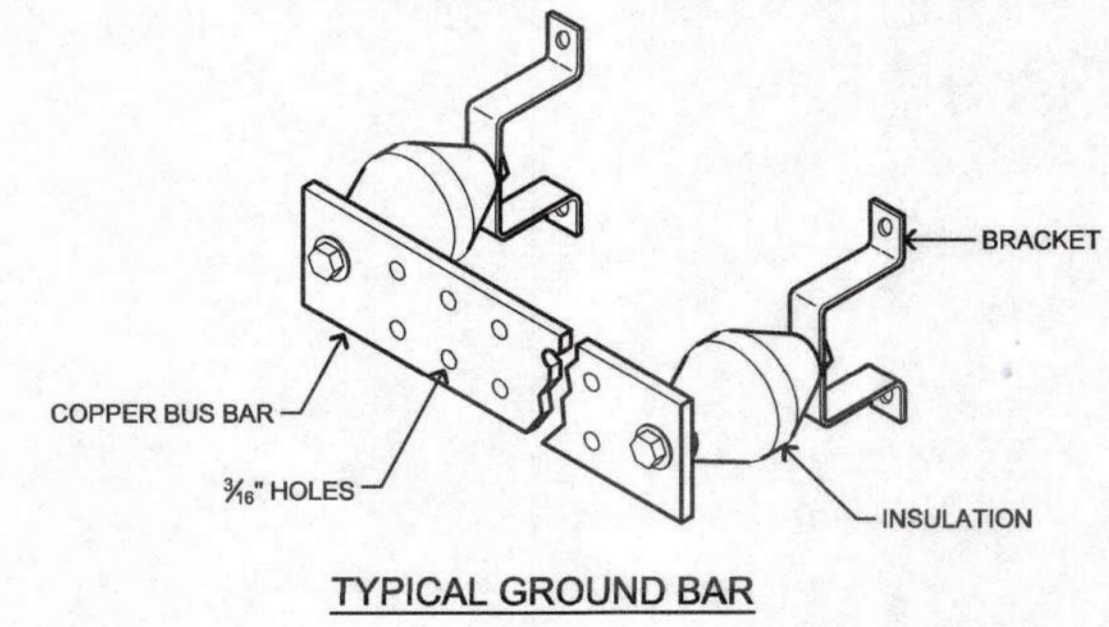
PANEL PDA
Voltage: 120/208V, 3φ
Wiring: 4W
Type: NEMA 1
Mounting: SURFACE
Main: M.L.O.
Bussing: 225A
Feed: BOTTOM
Mounting: SURFACE
A.L.C.: 10,000

(E) PANEL P
Voltage: 120/208V, 3φ
Wiring: 4W
Type: NEMA 1
Mounting: SURFACE
Main: M.L.O.
Bussing: 100A
Feed: TOP
Mounting: FLUSH
A.L.C.: MATCH (E)

PANEL PDB
Voltage: 120/208V, 3φ
Wiring: 4W
Type: NEMA 1
Mounting: SURFACE
Main: M.L.O.
Bussing: 225A
Feed: BOTTOM
Mounting: SURFACE
A.L.C.: 10,000



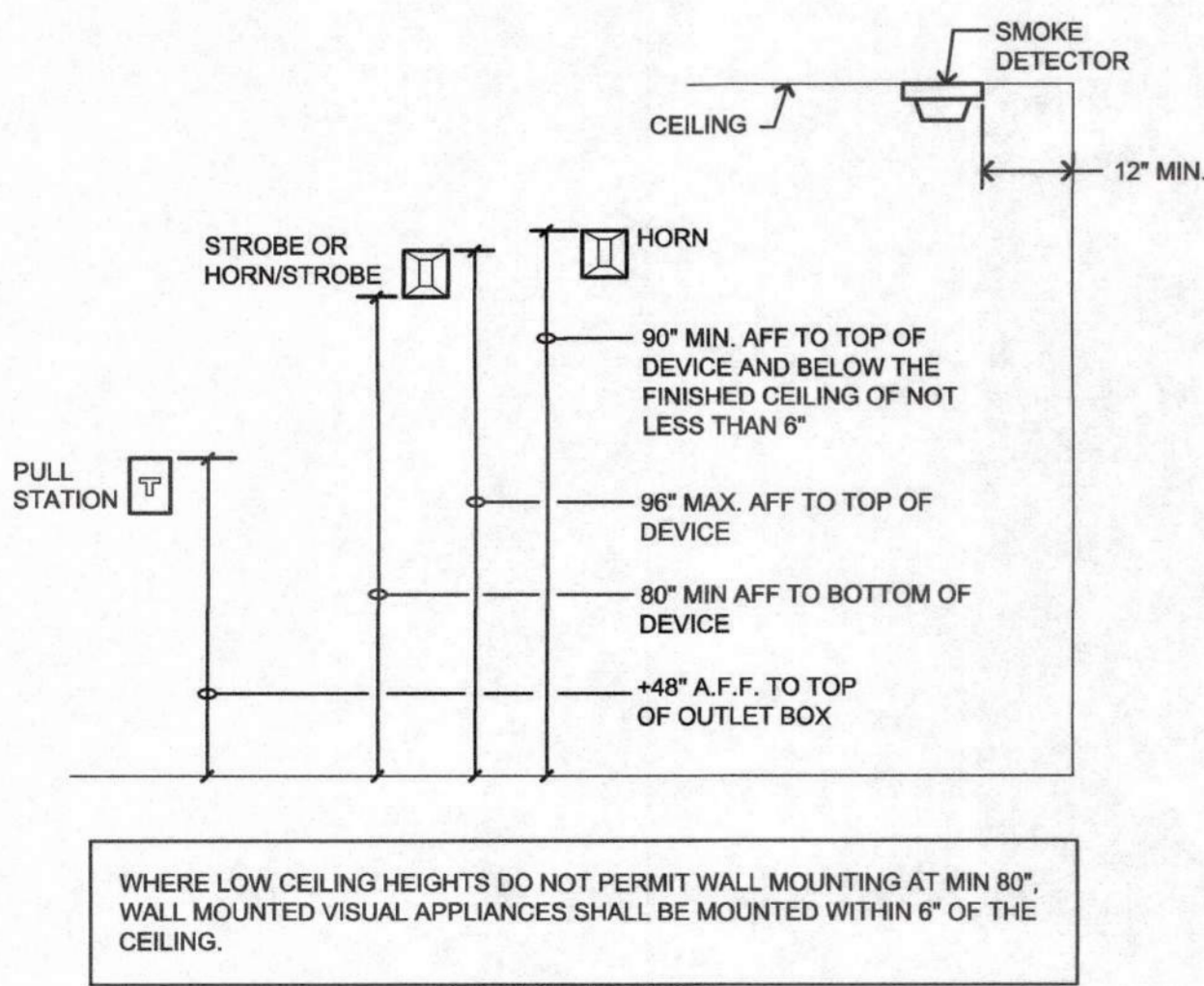
GROUND BAR INSTALLATION



TYPICAL GROUND BAR

4 GROUND BAR DETAIL

NO SCALE



3 F.A. DEVICE MOUNTING ELEVATION

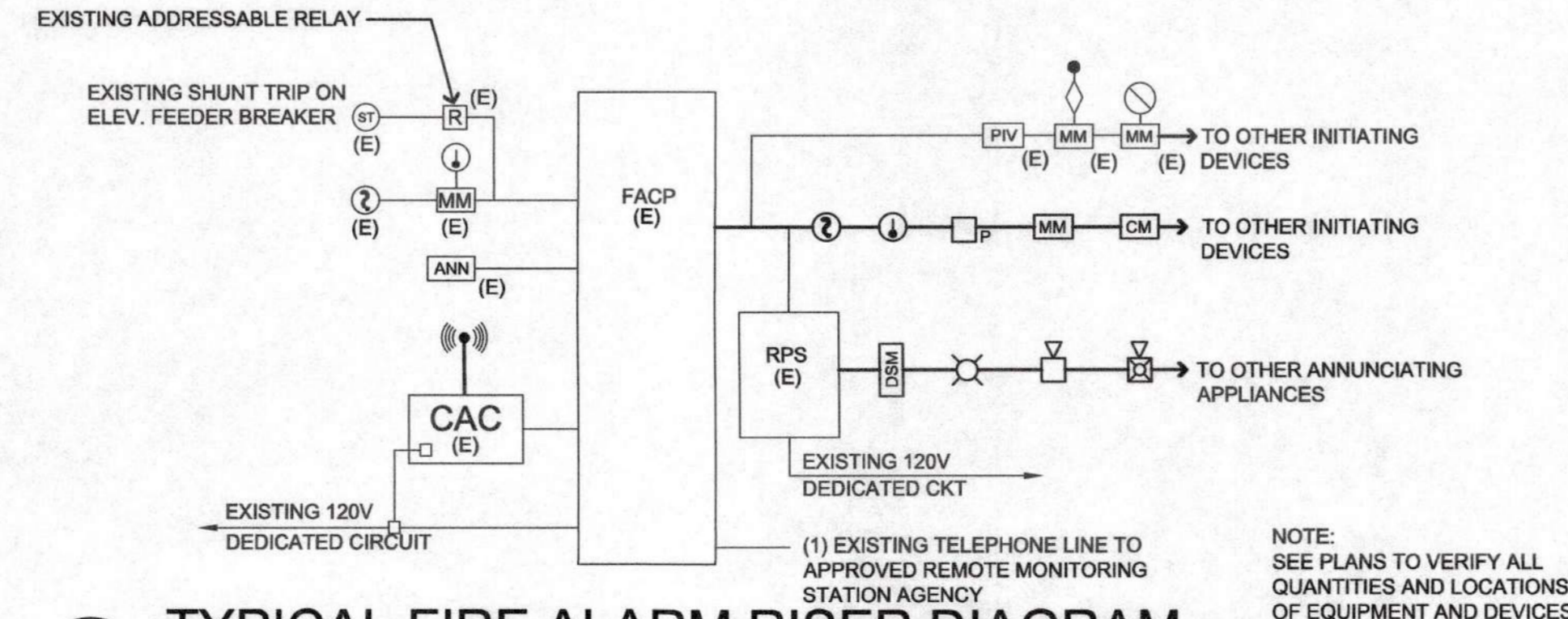
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SCOPE OF WORK:

- NEW COMPLETE MANUAL ADDRESSABLE FIRE ALARM SYSTEM INCLUDING ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS, CONNECTIONS, PROGRAMMING, TESTING AND APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION.
SEQUENCE OF OPERATION OF THE FIRE ALARM SYSTEM
A. ACTIVATION OF ANY INITIATING DEVICE SHALL CAUSE ALL SIGNALS IN BUILDING TO ACTIVATE AND SOUND AND SIMULTANEOUSLY CAUSE AN ALARM TO BE SENT TO THE REMOTE MONITORING AGENCY.
B. THE ADDRESS CORRESPONDING TO THE INITIATION DEVICE IN ALARM SHALL APPEAR ON FIRE ALARM CONTROL PANEL LCD SCREEN.
C. CLOSING THE FIRE ALARM SPRINKLER OS & Y VALVE SHALL INITIATE A TROUBLE INDICATION AT FIRE ALARM CONTROL PANEL AND MONITORING STATION.
D. SHOULD AN OPEN, GROUND OR SHORT OCCUR IN THE WIRING SYSTEM, FIRE ALARM CONTROL PANEL WILL DETECT MALFUNCTION AND INITIATE A TROUBLE ALARM INDICATOR AT PANEL AND MONITORING STATION.
E. ACTIVATION OF SMOKE DETECTOR ON TOP OF ELEV. SHAFT OR IN ELEV. MACHINE ROOM WILL CAUSE ELEV. RECALL TO ASSIGNED FLOOR.
F. ACTIVATION OF THE HEAT DETECTOR IN ELEVATOR EQUIPMENT ROOM WILL CAUSE CIRCUIT BREAKER FOR ELEVATOR POWER TO SHUNT TRIP. HEAT DETECTOR SHALL HAVE A LOWER RESPONSE TIME INDEX THAN SPRINKLER HEAD.
F. FIRE ALARM CONTRACTOR SHALL PROVIDE ALL ADDRESSABLE CONTROL RELAYS AND/OR CONTROL MODULES REQUIRED FOR ELEVATOR RECALL, ELEVATOR POWER SHUNT, FIREMAN'S HAT, ETC. CONTRACTOR SHALL VERIFY REQUIREMENTS WITH ELEVATOR CONTRACTOR.
G. ONCE THE SYSTEM IS BACK TO NORMAL. THE PANEL WILL RESOUND FOR PROPER RESETTING.

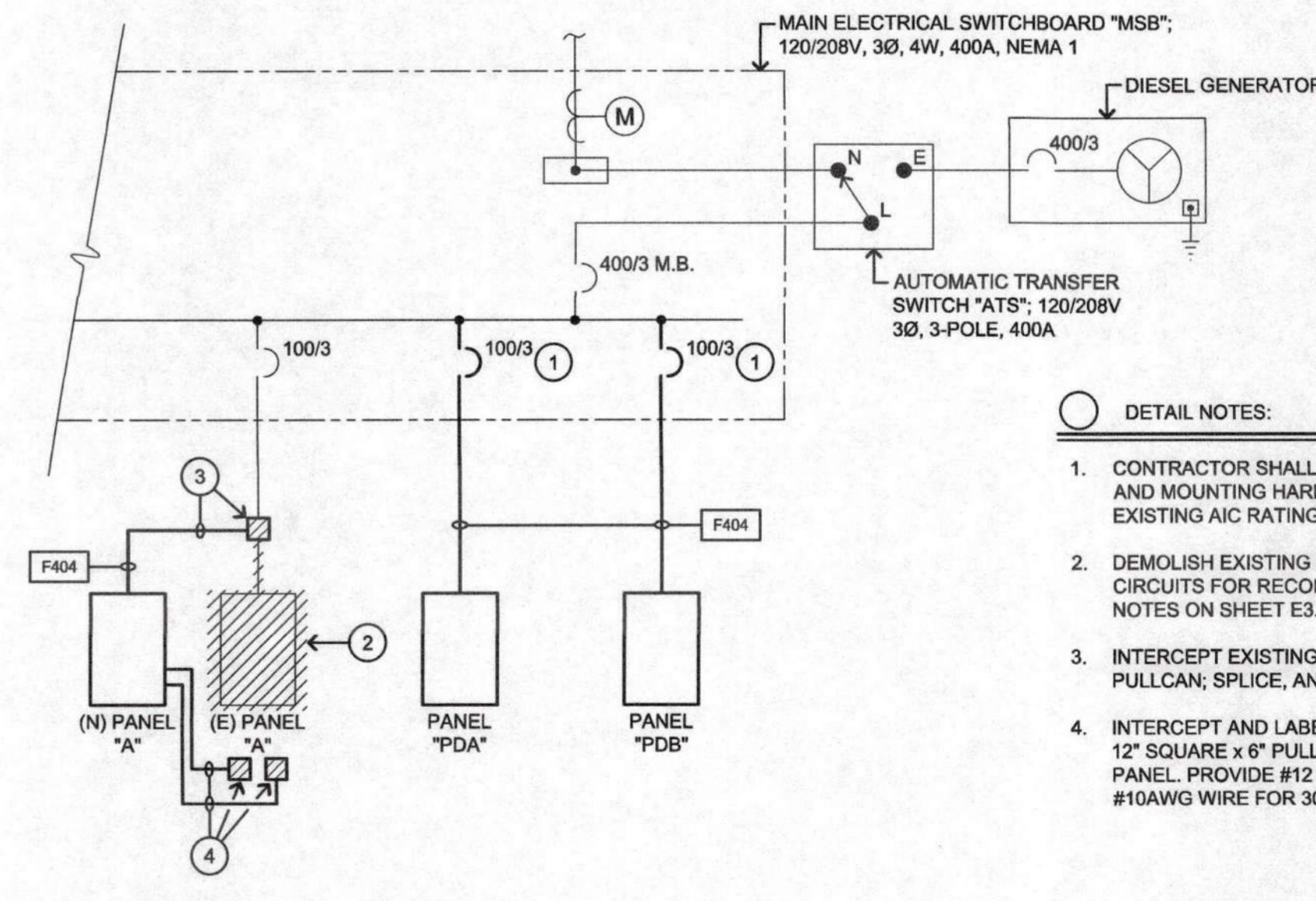
FIRE ALARM NOTES:

- 1. EXTENSION OF EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL, WITH COMMUNICATOR, INITIATING AND ANNUNCIATING DEVICES, CHARGER & BATTERIES.
2. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS, EQUIPMENT AND PROVIDE ALL LABOR REQUIRED AND NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS.
3. THE FIRE ALARM SYSTEM SHALL BE INSTALLED AS SPECIFIED IN ALL SECTIONS OF DIVISION 16 AND DIVISION 15, INCLUDING ALL OTHER WORK AND MISCELLANEOUS ITEMS NOT SPECIFICALLY MENTIONED BUT REASONABLY INFERRED FOR COMPLETE INSTALLATION.
4. ALL WIRE SHALL BE MINIMUM #12AWG FOR ANNUNCIATING CIRCUITS AND MINIMUM #16AWG TWISTED SHIELDED PAIR CABLE FOR INITIATING CIRCUITS. ALL WIRING SHALL BE ROUTED CONCEALED.
5. SUBMIT COMPLETE FIRE ALARM SYSTEM PLANS INCLUDING RISER DIAGRAMS, BATTERY CALCS, VOLT DROP CALCS, WIRING DIAGRAMS, ETC. TO LOCAL FIRE AUTHORITY REVIEW AND APPROVAL PRIOR TO START OF INSTALLATION.
6. FINAL CONNECTIONS OF DEVICES AND EQUIPMENT SHALL BE BY A FIRE ALARM CONTRACTOR WHO PERFORMS SUCH WORK ON A REGULAR BASIS.
7. FINAL TESTING SHALL BE WITNESSED BY THE LOCAL FIRE AGENCY.
8. PROVIDE MANUALS AND MINIMUM 2-HOURS OPERATING INSTRUCTION TO OWNER.
9. PROVIDE BATTERY BACKUP FOR 24 [60] HOURS OF STANDBY & 5 MINUTES OF ALARM.
10. VERIFY COLOR (RED OR WHITE) OF NOTIFICATION APPLIANCES WITH ARCHITECT.



2 TYPICAL FIRE ALARM RISER DIAGRAM

NO SCALE



1 PARTIAL SINGLE LINE DIAGRAM

NO SCALE

SINGLE LINE DIAGRAM LEGEND
(D) DEMOLISH
(E) EXISTING
(N) NEW
(E) FLOORPAD MOUNTED EQUIPMENT

FEEDER SCHEDULE
DESIGNATION: F404
AMPACITY: 100
CONDUIT & CONDUCTORS SIZES: 1 1/2" C., 4 #2 & 1 #8 GND.



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RENOVATIONS AND SITE IMPROVEMENTS
CITY OF CARMEL-BY-THE-SEA
POLICE DEPARTMENT
AT: JUNIPERO AVE AND 4TH AVE.
CARMEL-BY-THE-SEA, CA 93923
ELECTRICAL SINGLE LINE DIAGRAM & PANELBOARD SCHEDULES

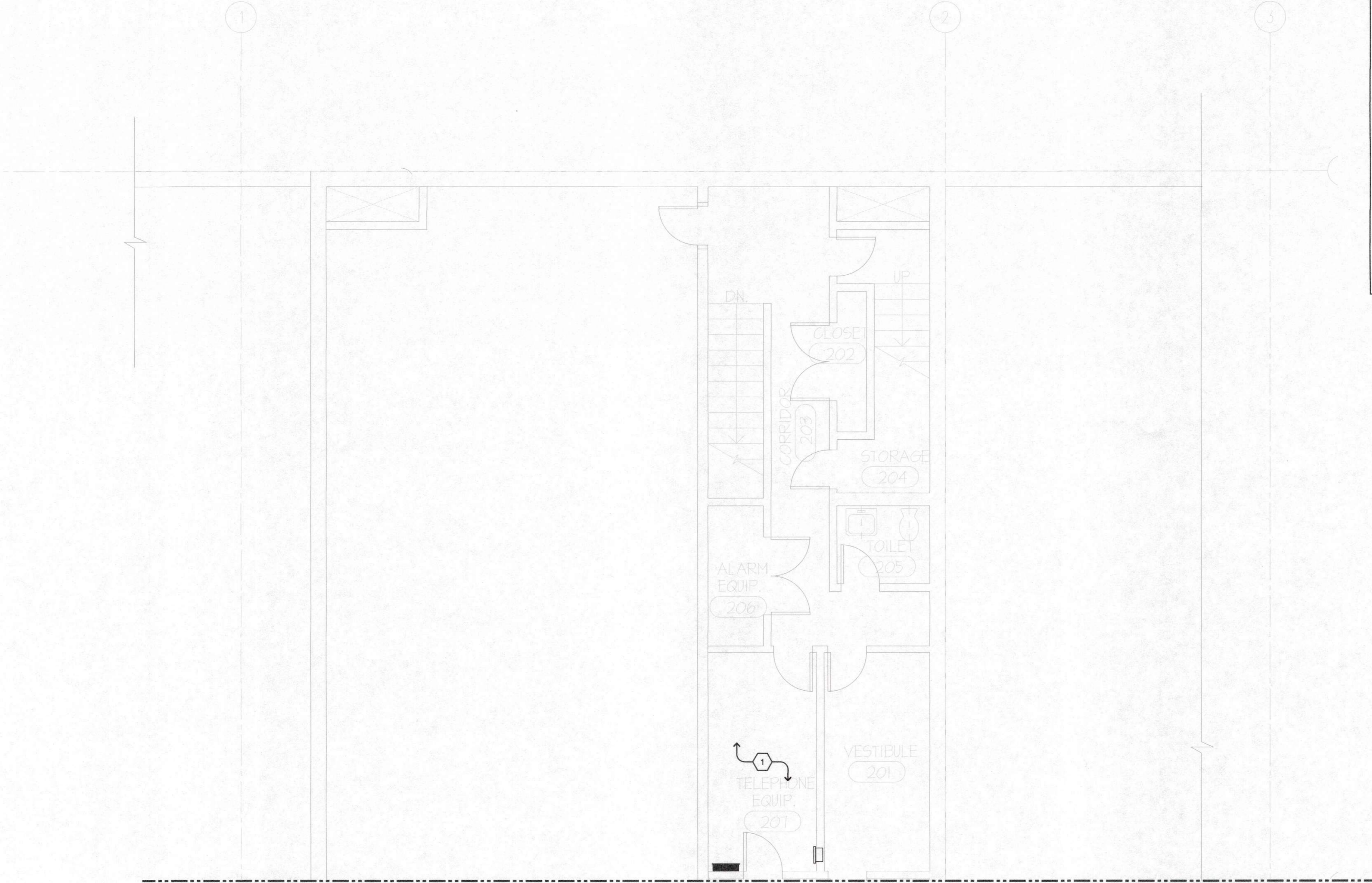
SHEET NUMBER
E1.1
DATE: 27 JAN 2020
JOB: IT21 DRAWN: CADD

SHEET NOTES

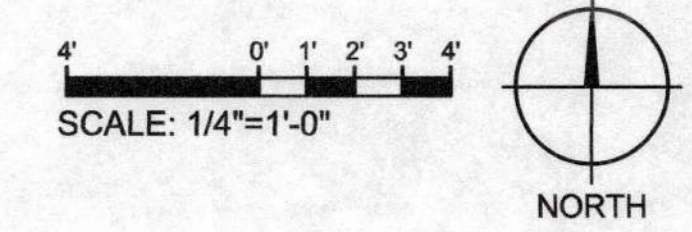
1. ADD ALT. #7. CONTRACTOR SHALL PROVIDE PRICE TO REMOVE CUT AND UNUSED CABLES IN ROOM.

GENERAL DEMOLITION NOTES

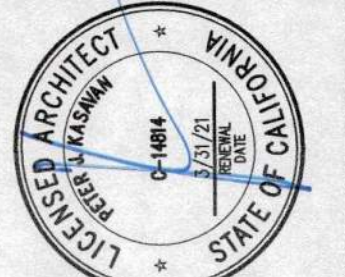
- CONTRACTOR SHALL FIELD VERIFY EXTENT OF ELECTRICAL DEMOLITION AND QUANTITIES OF ELECTRICAL TO BE REMOVED AS DICTATED BY THE REQUIREMENTS OF THE PROJECT.
- REMOVAL SHALL INCLUDE WIRING, RACEWAY, BOXES, SWITCHES, LIGHT FIXTURES, ETC. AS INDICATED ON THE PLANS AND AS REQUIRED BY THESE DEMOLITION NOTES.
- RACEWAYS ASSOCIATED WITH ELECTRICAL BEING DEMOLISHED WHICH ARE CONCEALED IN EXISTING REMAINING WALLS MAY BE ABANDONED IN PLACE. REMOVE WIRING FROM CONDUIT.
- RACEWAYS ASSOCIATED WITH ELECTRICAL BEING DEMOLISHED WHICH ARE EXPOSED SHALL BE REMOVED.
- WHERE REMOVAL OF EQUIPMENT OR WIRING IS INDICATED, IT SHALL INCLUDE ALL ASSOCIATED WIRING BACK TO LAST ACTIVE REMAINING OUTLET, DEVICE, FIXTURE OR PANEL.
- ELECTRICAL CONTRACTOR SHALL INSURE THAT ALL REMAINING ACTIVE CIRCUITS, DEVICES, OUTLETS, LIGHT FIXTURES, ETC. HAVE NOT BEEN DISCONNECTED OR MADE INOPERATIVE DURING DEMOLITION. ELECTRICAL CONTRACTOR SHALL RESTORE ALL INTERRUPTED OR DISCONNECTED CIRCUITS TO OPERATION.
- ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL REMOVED ELECTRICAL EQUIPMENT AND MATERIAL.
- NO REMOVED EQUIPMENT OR MATERIAL SHALL BE REUSED AS PART OF NEW WORK, U.O.N.
- EXISTING REMAINING CONCEALED RACEWAYS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK.
- EXISTING FLUSH OUTLETS MAY BE REUSED FOR NEW WORK PROVIDED THEY MEET ALL REQUIREMENTS OF THE SPECIFICATION FOR NEW WORK. MEET THE REQUIREMENTS OF THE CURRENT C.E.C. FOR VOLUME AND COINCIDE WITH LOCATION SHOWN FOR THE NEW WORK.
- FLUSH OUTLET BOXES IN EXISTING WALLS TO REMAIN MAY BE ABANDONED IN PLACE. REMOVE DEVICES AND WIRING, PLUG OPENING AND PROVIDE AND INSTALL A BLANK DEVICE PLATE.
- EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
- WHERE TELEPHONE, COMPUTER DATA, FIBER OPTICS, FIRE ALARM OR OTHER COMMUNICATIONS OUTLETS OR WIRING IS TO BE DEMOLISHED IT SHALL BE REMOVED BACK TO THE NEXT TERMINAL POINT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER OR HIS REPRESENTATIVE TO HAVE EQUIPMENT AND WIRING DESIGNATED FOR REMOVAL OR PRESERVATION PRIOR TO REMOVAL OF OUTLET BOXES, CONDUIT OR WIRING BY ELECTRICAL CONTRACTOR.
- COORDINATE WITH OWNER PRIOR TO START OF DEMOLITION TO MINIMIZE POWER INTERRUPTIONS. WORK MAY HAVE TO OCCUR DURING NON-REGULAR BUSINESS HOURS. COORDINATE IN WRITING WITH OWNER ONE WEEK PRIOR TO PLANNED POWER INTERRUPTIONS.



FOR CONTINUATION SEE SHEET E3.1A



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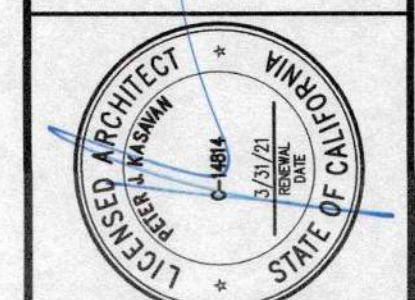
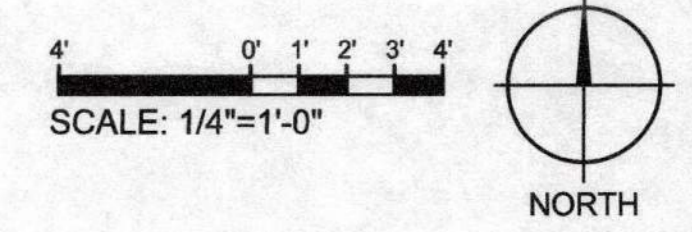
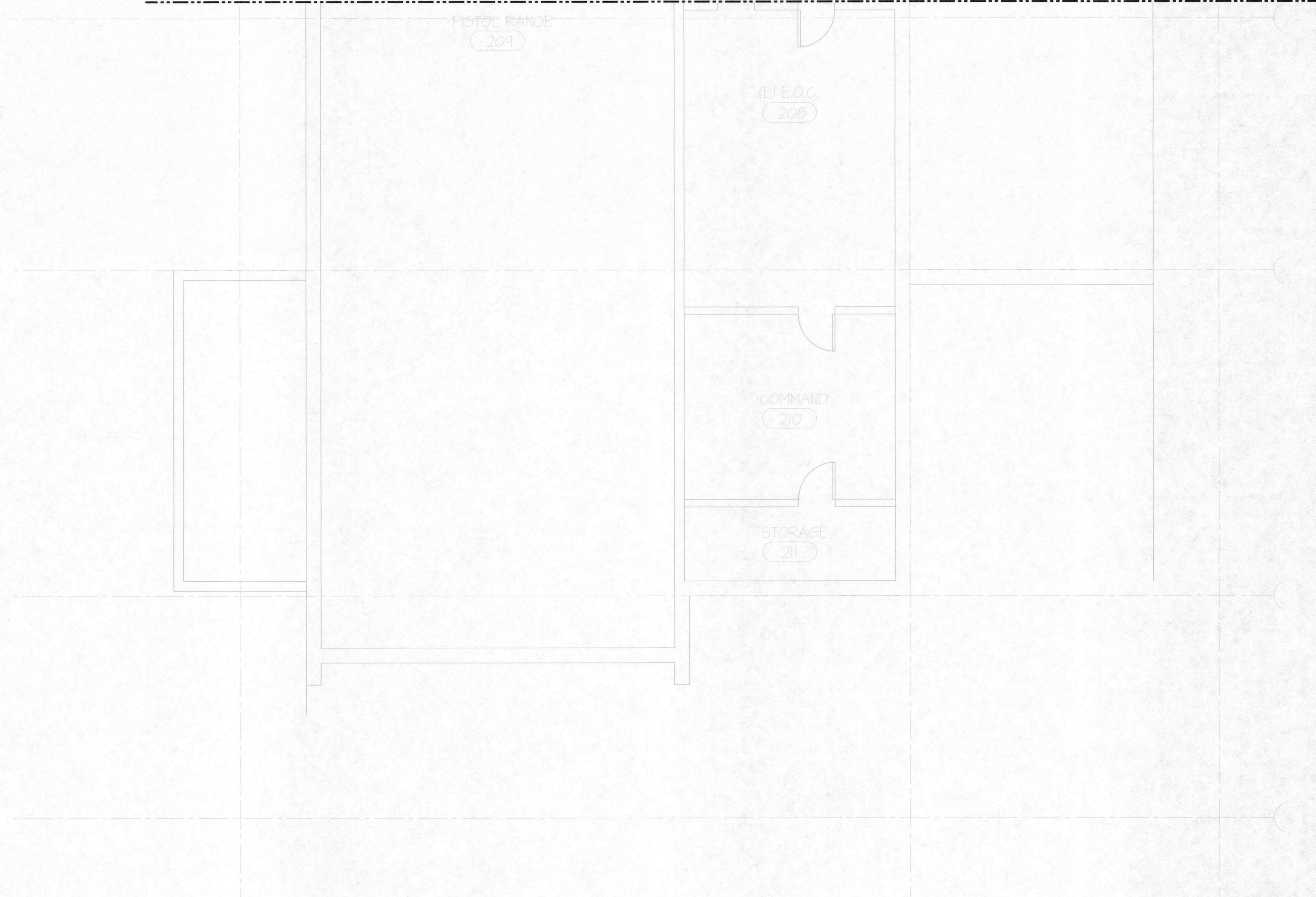
REVISIONS:

1	PLAN CHECK	12/05/14
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RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL - BY - THE - SEA
 POLICE DEPARTMENT
 AT:
 JUNIPERO AVE AND 4TH AVE.
 CARMEL - BY - THE - SEA, CA 93923
ELECTRICAL DEMOLITION PLAN
- PARTIAL INTERMEDIATE FLOOR

SHEET NUMBER
E3.1
 DATE: 27 JAN 2020
 JOB: 1121 DRAWN: CADD

FOR CONTINUATION SEE SHEET E3.1



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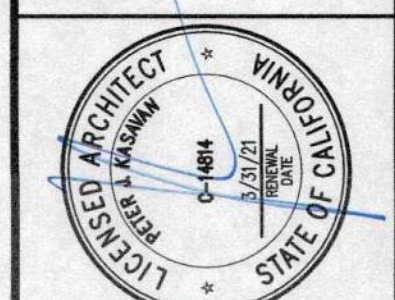
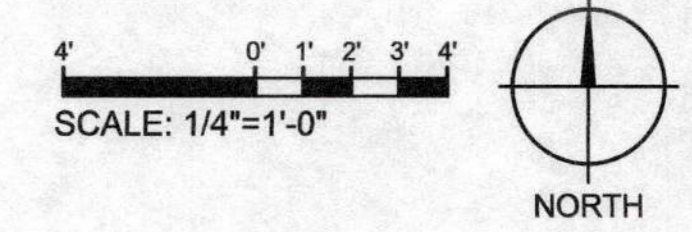
RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL-BY-THE-SEA
 POLICE DEPARTMENT
 JUNIPERO AVE AND 4TH AVE.
 CARMEL-BY-THE-SEA, CA 93923
ELECTRICAL DEMOLITION PLAN
- PARTIAL INTERMEDIATE FLOOR

SHEET NUMBER
E3.1A
 DATE: 27 JAN 2020
 JOB: IT21 DRAWN: CADD

- ### SHEET NOTES
1. DEMOLISH ELECTRICAL DEVICES, LIGHT FIXTURES, AND ASSOCIATED CONTROLS SHOWN DASHED BELOW PER GENERAL DEMOLITION NOTES ON SHEET E3.1. CONTRACTOR SHALL COORDINATE REMOVAL OF ELECTRONIC EQUIPMENT WITH LOW VOLTAGE CONTRACTORS.
 2. DEMOLISH PANEL AND SALVAGE BRANCH CIRCUITS PER DEMOLITION NOTES ON SHEET E3.1; SEE SHEET E1.1 FOR ADDITIONAL INSTRUCTIONS.
 3. EXISTING PANEL AND LIGHTING CONTROLS TO REMAIN; PROTECT FROM DAMAGE DURING DEMOLITION.
 4. EXISTING LIGHTING AND ASSOCIATED CONTROLS TO REMAIN; PROTECT IN PLACE DURING DEMOLITION.
 5. CONTRACTOR SHALL REMOVE DEVICES AND SALVAGE EXISTING CABLING PER GENERAL DEMOLITION NOTES ON SHEET E3.1. COIL CABLES FOR REUSE.



FOR CONTINUATION SEE SHEET E3.2A



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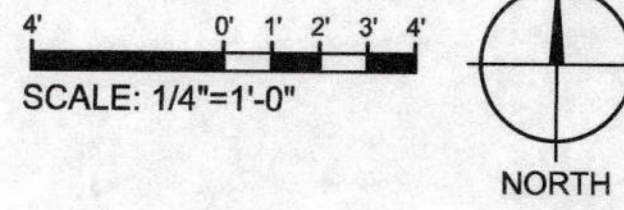
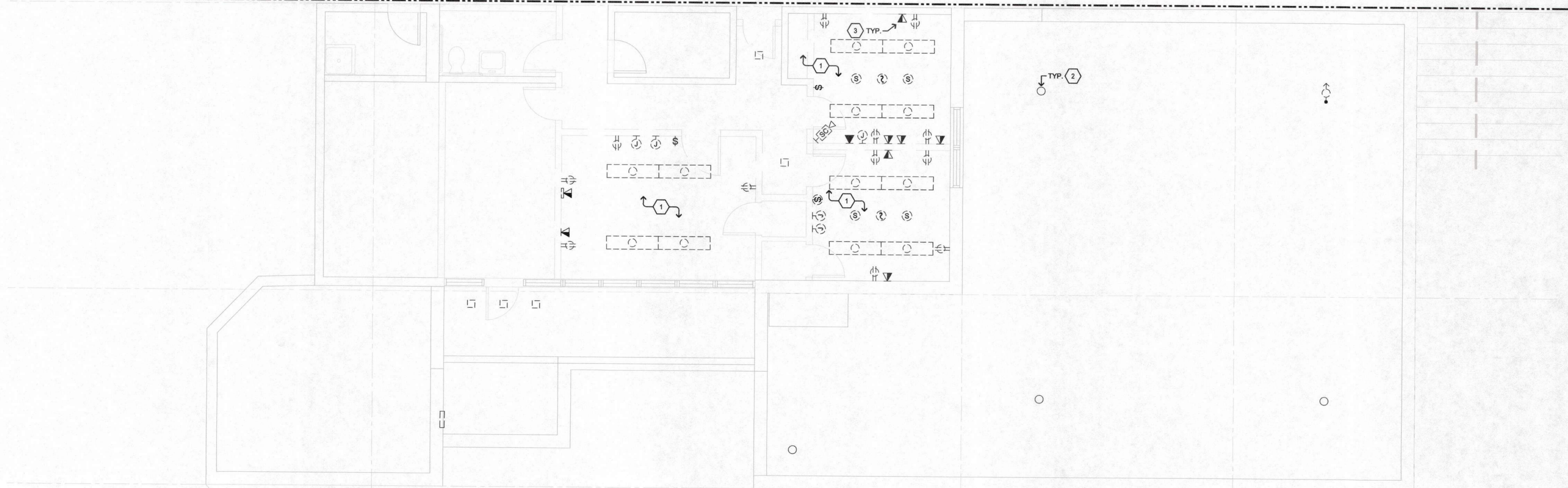
RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL - BY - THE - SEA
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ELECTRICAL DEMOLITION PLAN
 - PARTIAL UPPER FLOOR

SHEET NUMBER
E3.2
 DATE: 27 JAN 2020
 JOB: 17121 DRAWN: CADD

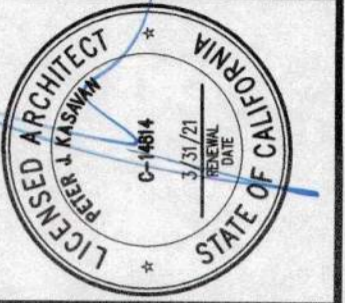
SHEET NOTES

1. DEMOLISH ELECTRICAL DEVICES, LIGHT FIXTURES, AND ASSOCIATED CONTROLS SHOWN DASHED BELOW PER GENERAL DEMOLITION NOTES ON SHEET E3.1. CONTRACTOR SHALL COORDINATE REMOVAL OF ELECTRONIC EQUIPMENT WITH LOW VOLTAGE CONTACTORS.
2. EXISTING LANDSCAPE LIGHTING TO REMAIN.
3. CONTRACTOR SHALL REMOVE DEVICES AND SALVAGE EXISTING CABLING PER GENERAL DEMOLITION NOTES ON SHEET E3.1. COIL CABLES FOR REUSE.

FOR CONTINUATION SEE SHEET E3.2



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RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL-BY-THE-SEA
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ELECTRICAL DEMOLITION PLAN
- PARTIAL UPPER FLOOR

SHEET NUMBER
E3.2A
 DATE: 27 JAN 2020
 JOB: IT12J DRAWN: CADD

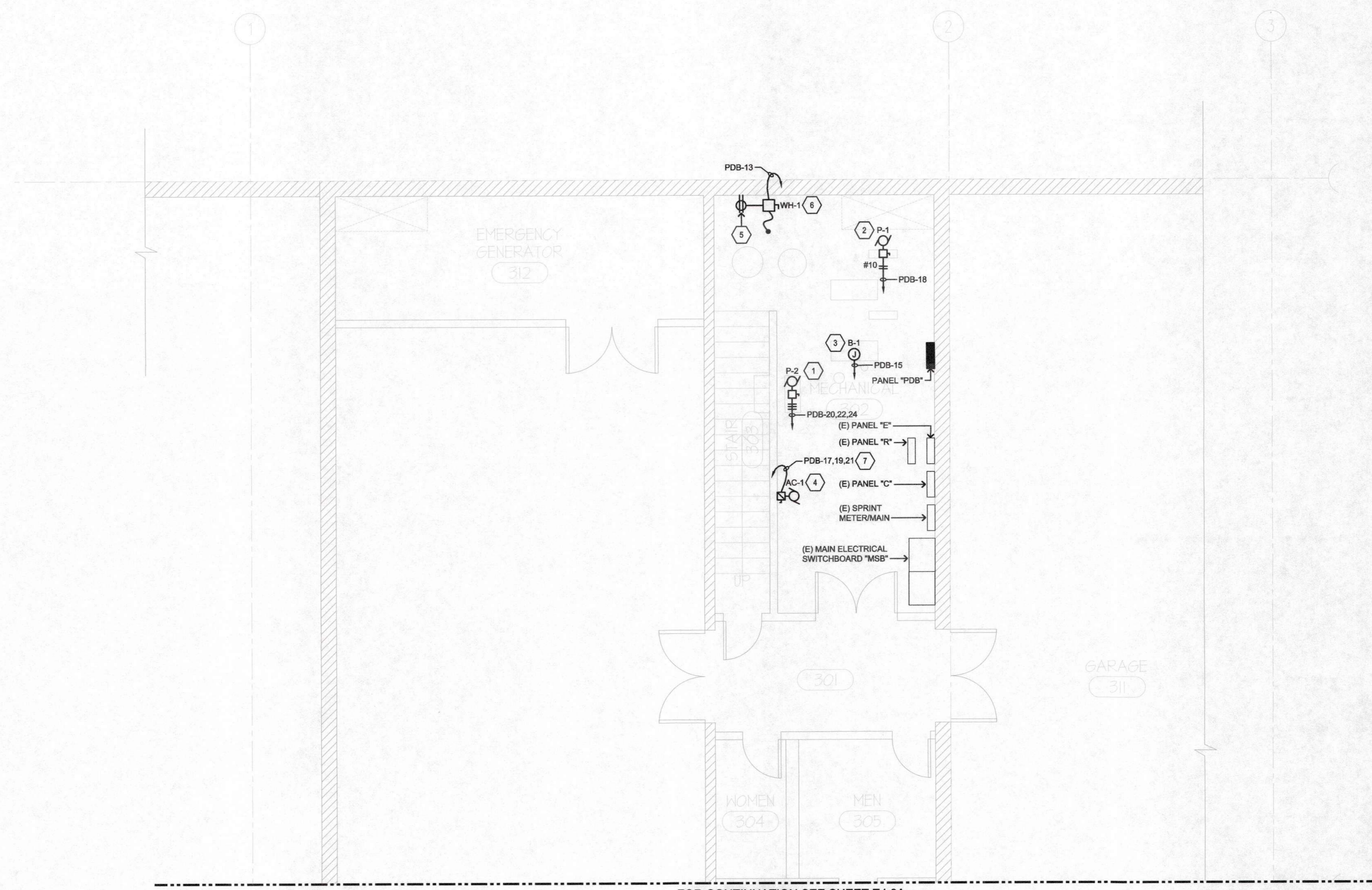
BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2 #8 & 1 #10 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	½" C., 2 #8 & 1 #10 GND.

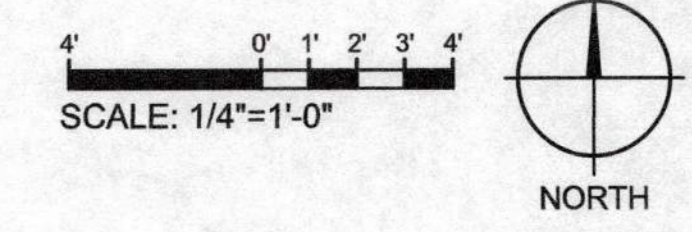
NOTE:
 CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

SHEET NOTES

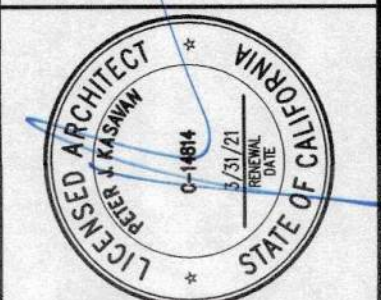
- 1.5 HP, 208V, 3Ø.
- 0.75 HP, 120V.
- LOCATE FOR BOILER CONTROL POWER, 120V.
- 30.6 MCA, 208V, 3Ø.
- LOCATE FOR WATER HEATER CIRCULATION PUMP. PROVIDE AND INSTALL CORD AND PLUG.
- LOCATE FOR WATER HEATER CONTROL POWER, 120V.
- 1" C., 3 #8 & 1 #10 GND.



FOR CONTINUATION SEE SHEET E4.0A



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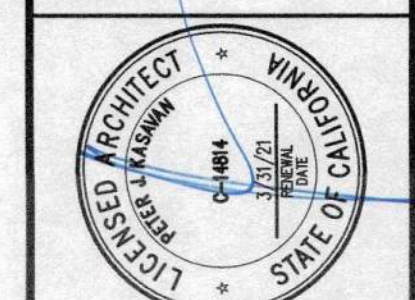
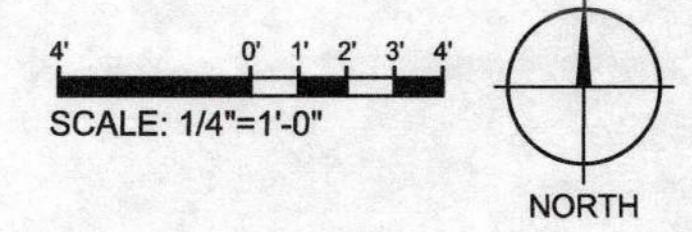
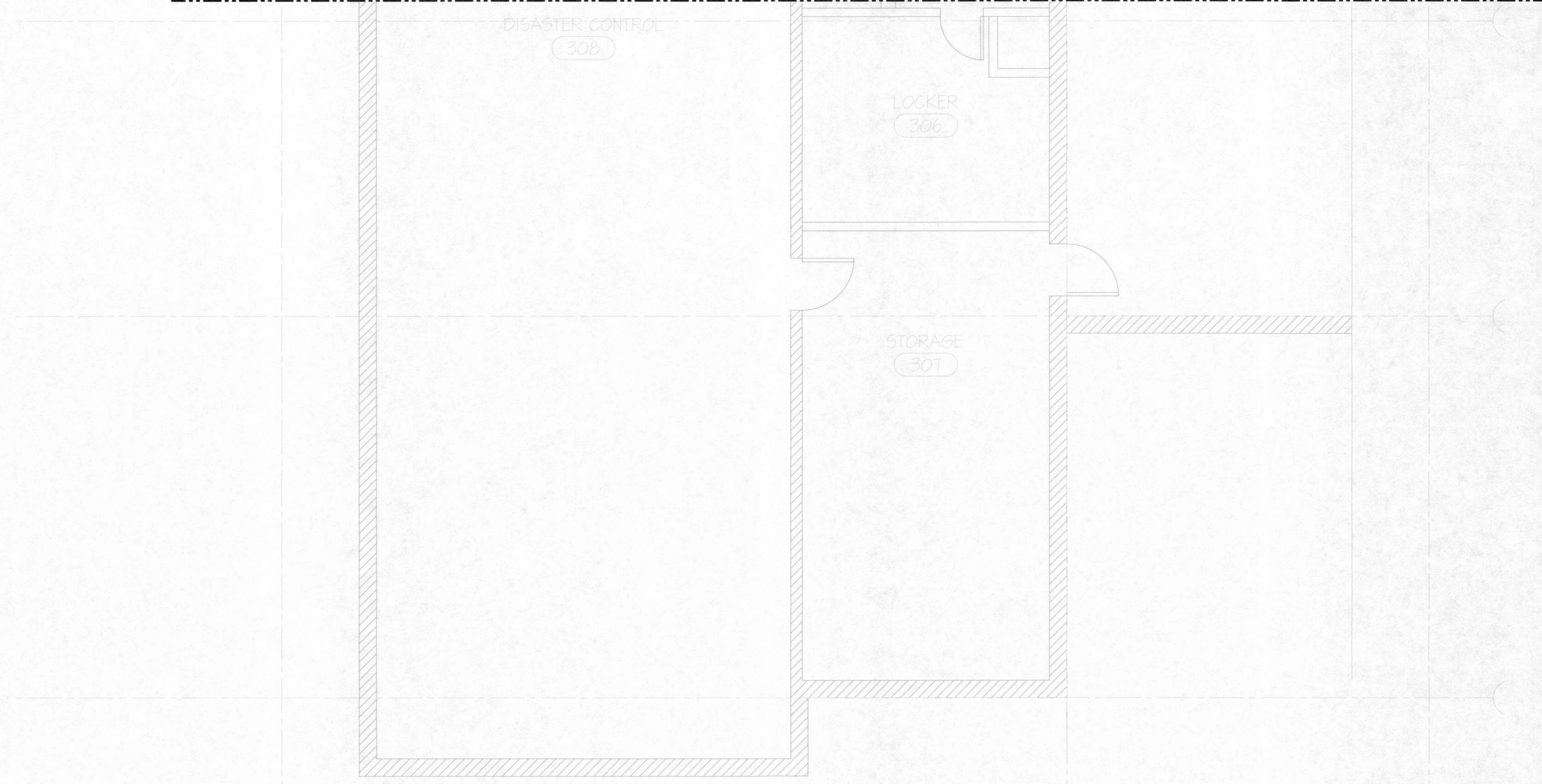
REVISIONS:

▲	PLAN CHECK
	12/05/14

RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL-BY-THE-SEA
 POLICE DEPARTMENT
 AT:
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 CARMEL-BY-THE-SEA, CA 93923
POWER & SYSTEMS PLAN
 - PARTIAL BASEMENT FLOOR

SHEET NUMBER
E4.0
 DATE: 27 JAN 2020
 JOB: IT21 DRAWN: CADP

FOR CONTINUATION SEE SHEET E4.0



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RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL-BY-THE-SEA
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POWER & SYSTEMS PLAN
- PARTIAL BASEMENT FLOOR

SHEET NUMBER
E4.0A
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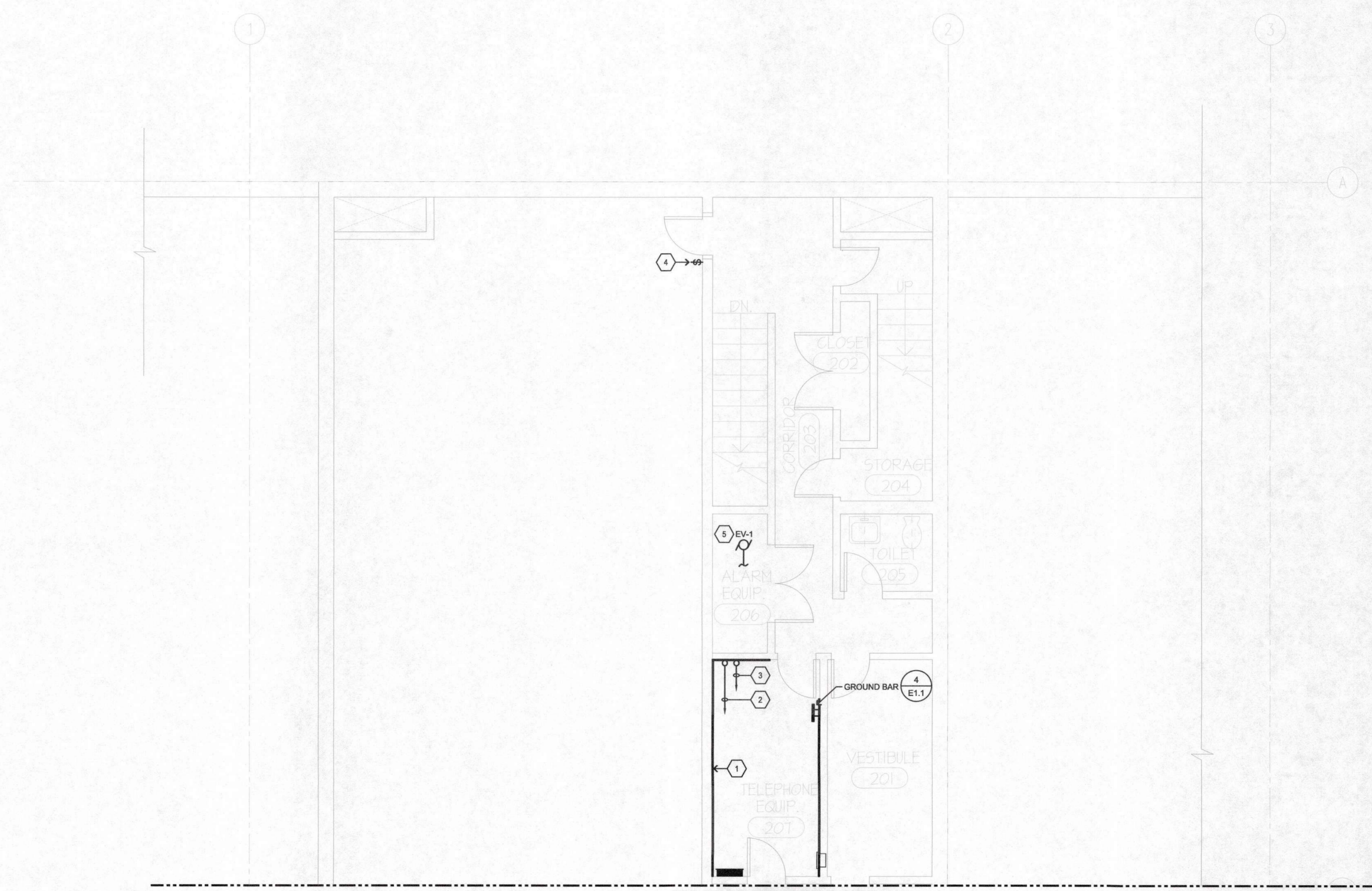
BRANCH CIRCUIT CONDUCTOR SIZING TABLE

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20/277	208'-330'	½" C., 2 #8 & 1 #10 GND.

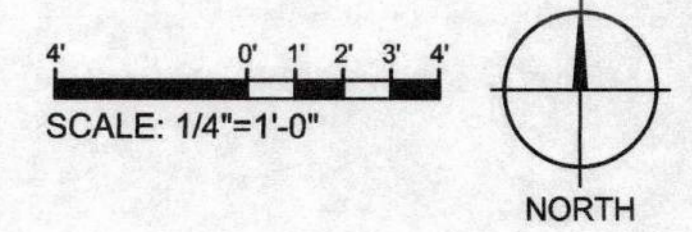
NOTE:
CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

SHEET NOTES

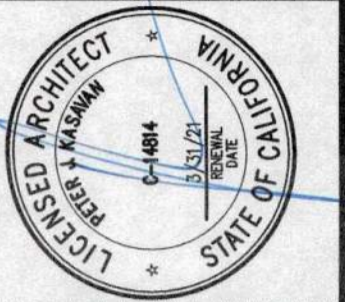
1. TELEPHONE TERMINAL BOARD "TTB-IF", ¾" THICK x 8"H EXTERIOR GRADE, 1-HOUR RATED PLYWOOD. CONTRACTOR SHALL PAINT WITH (2) COATS OF FIRE RETARDANT PAINT; DO NOT PAINT OVER PLYWOOD RATING LABELS.
2. 1"C. WITH #6 AWG GROUND TO BASEMENT SERVICE GROUND BUS.
3. (3) 2"C.O. - SYSTEMS; TO AV ROOM LOCATED ON UPPER LEVEL.
4. WALL SWITCH FOR EF-3. EXTEND CONDUIT AND LINE VOLTAGE WIRING TO UNIT; SEE SHEET E4.3 FOR LOCATION.
5. SPLIT SYSTEM EVAPORATOR POWERED VIA OUTDOOR CONDENSING UNIT; SEE SHEET E4.3 FOR LOCATION. PROVIDE WIRING PER MANUFACTURER'S INSTRUCTIONS.



FOR CONTINUATION SEE SHEET E4.1A



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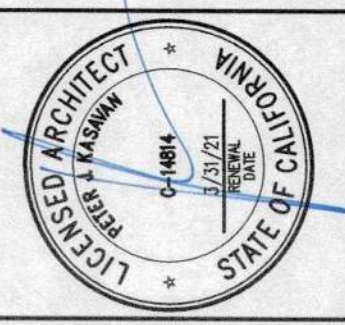
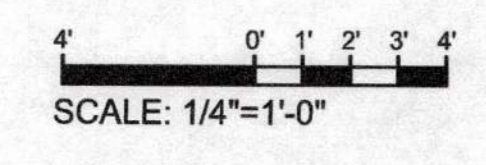
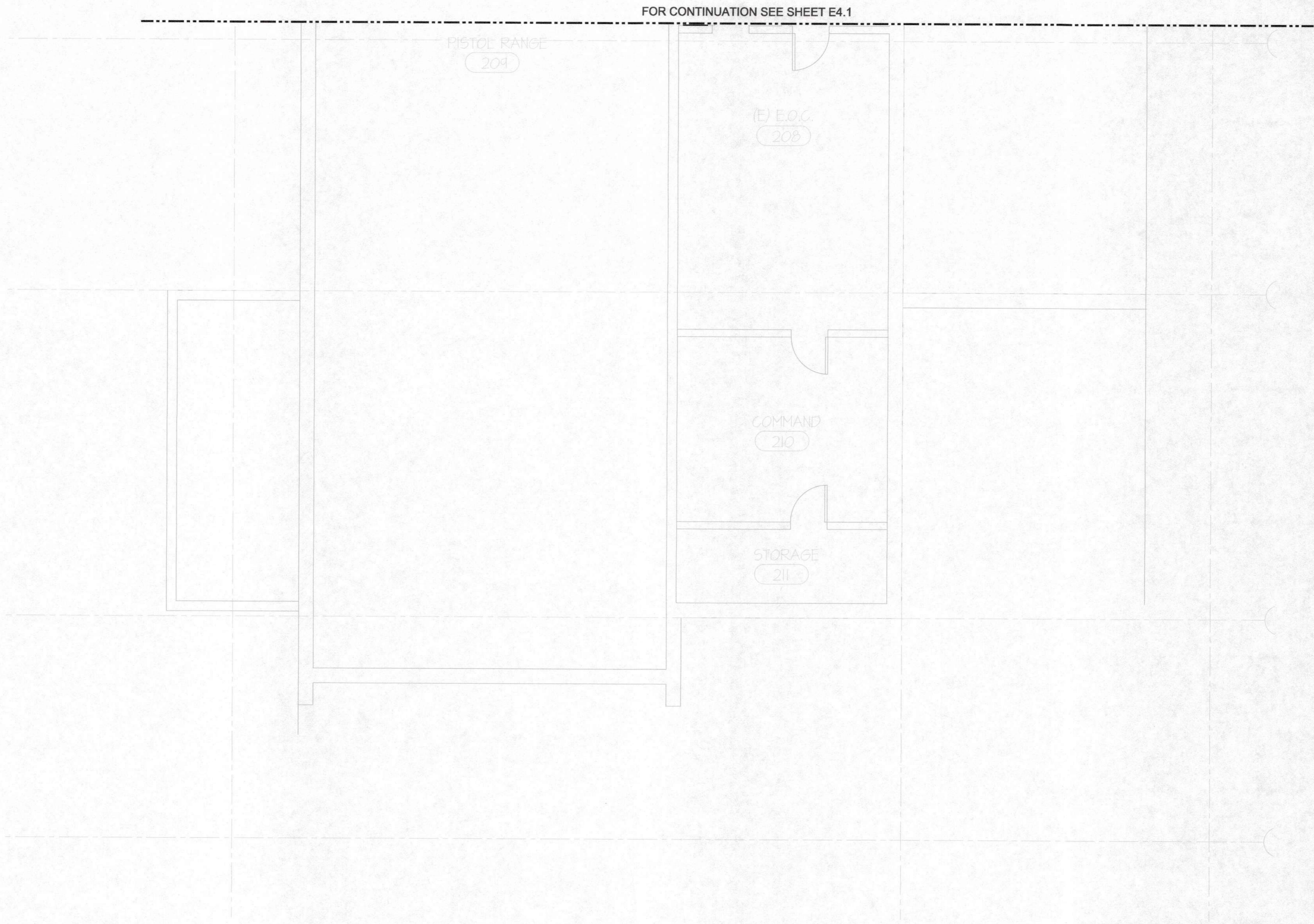
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 PLAN CHECK 12/05/19

RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL-BY-THE-SEA
 POLICE DEPARTMENT
 1111 JUNIPERO AVE AND 4TH AVE.
 CARMEL-BY-THE-SEA, CA. 93923
POWER & SYSTEMS PLAN
- PARTIAL INTERMEDIATE FLOOR

SHEET NUMBER
E4.1
 DATE: 27 JAN 2020
 JOB: IT2J DRAWN: GADD



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REVISIONS:
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 12/05/14

RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL-BY-THE-SEA
 CITY POLICE DEPARTMENT
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 CARMEL-BY-THE-SEA, CA 93923
POWER & SYSTEMS PLAN
 - PARTIAL INTERMEDIATE FLOOR

SHEET NUMBER
E4.1A
 DATE: 27 JAN 2020
 JOB: IT2J DRAWN: CADP

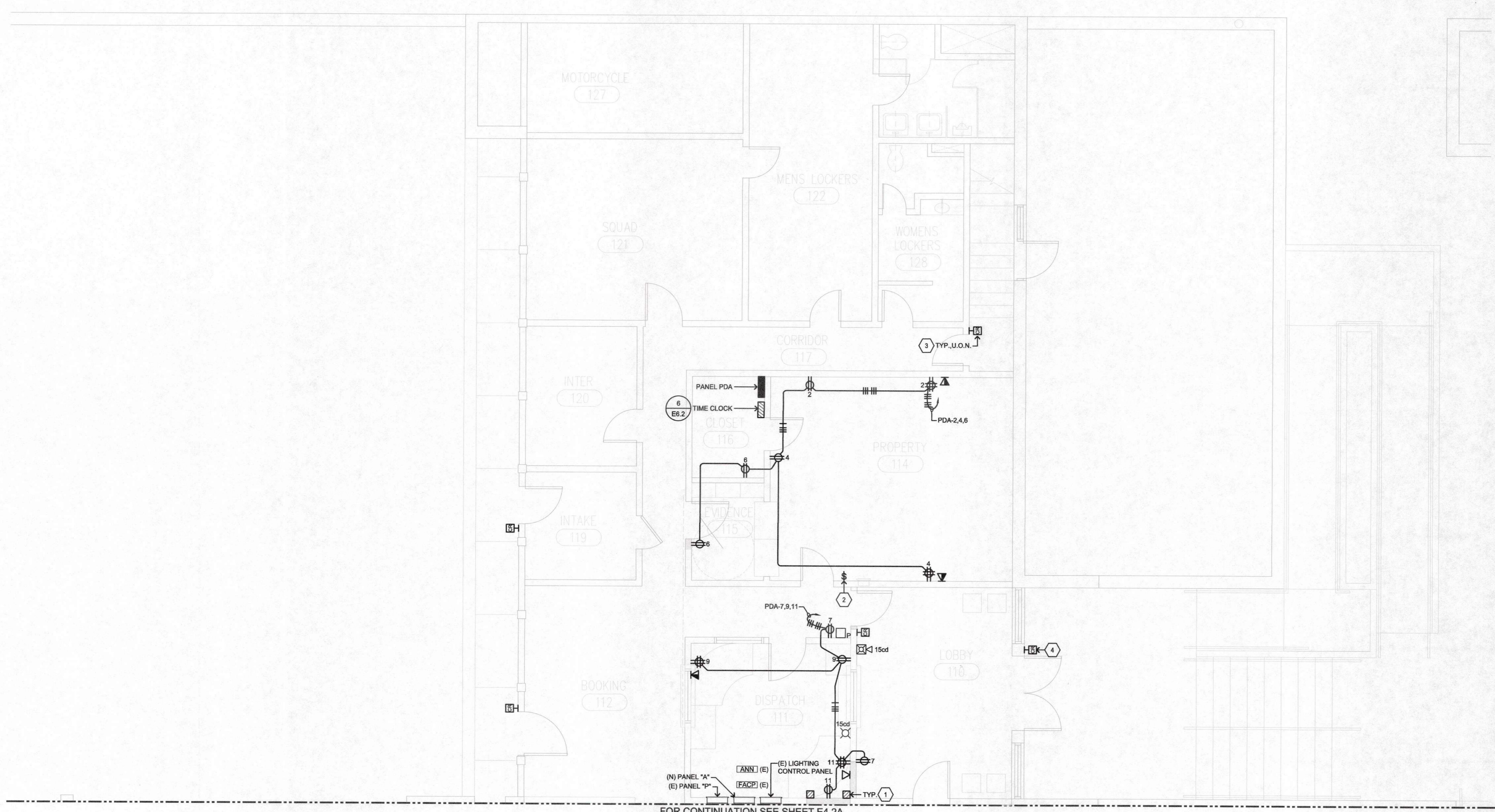
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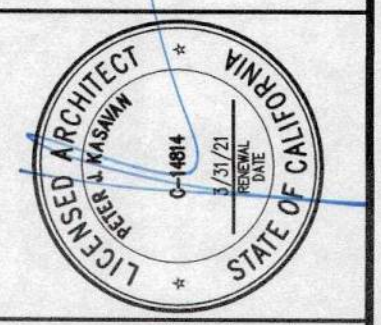
NOTE:
CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

SHEET NOTES

- PULLBOXES TO INTERCEPT EXISTING PANEL "A" BRANCH CIRCUITS AND EXTEND TO NEW PANEL "A"; SEE SHEET E1.1 FOR MORE INFORMATION.
- WALL SWITCH FOR EF-4, PROVIDE ½" C. & LINE VOLTAGE WIRING TO UNIT; SEE SHEET E4.3 FOR UNIT LOCATION.
- DEDUCT ALT. #3: CARD READER STUB 1" C.O. INTO ACCESSIBLE CEILING SPACE.
- DEDUCT ALT. #3: CARD READER; PROVIDE 1" C.O. TO AV ROOM SHOWN ON SHEET E4.2A.



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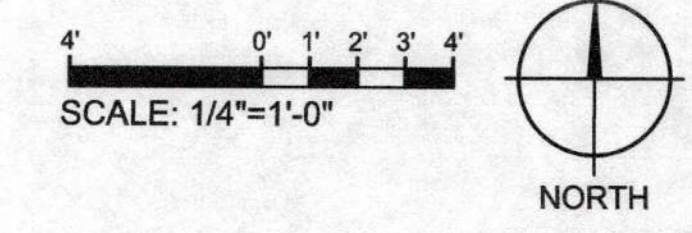
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 ENGINEERS
 MONTEREY BAY, INC.
 Project No. 17255.00 08/18
 100 Center Court - Salinas, CA 93901
 T: 831.546.3300 • F: 831.546.3305 • www.albim.com

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REVISIONS:
 PLAN CHECK
 12/05/14

RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL - BY - THE - SEA
 POLICE DEPARTMENT
 AT:
 JUNIPERO AVE AND 4TH AVE.
 CARMEL - BY - THE - SEA, CA 93923
POWER & SYSTEMS PLAN
- PARTIAL UPPER FLOOR

SHEET NUMBER
E4.2
 DATE: 27 JAN 2020
 JOB: IT21 DRAWN: CADD

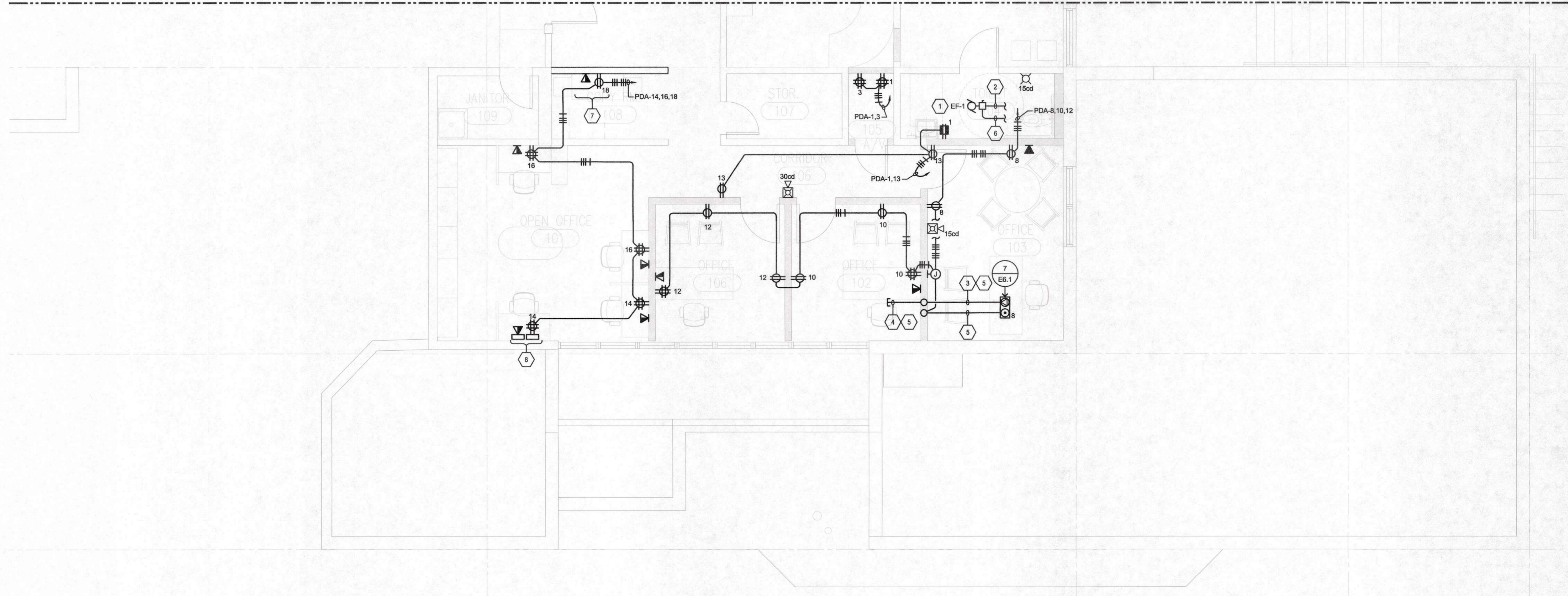


BRANCH CIRCUIT CONDUCTOR SIZING TABLE		
CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	1/2" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	1/2" C., 2 #8 & 1 #10 GND.
20/277	131'-205'	1/2" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	1/2" C., 2 #8 & 1 #10 GND.

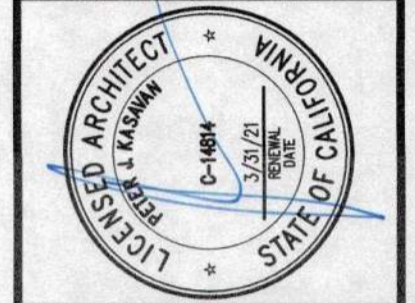
NOTE:
CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

- ### SHEET NOTES
- 13W, 120V.
 - SWITCH VIA LIGHTING ROOM CONTROLLER.
 - 1 1/2" C.O. FOR DATA.
 - STUB INTO ACCESSIBLE CEILING SPACE.
 - ROUTE UNDER FLOOR IN CEILING SPACE.
 - CONNECT TO LIGHTING BRANCH CIRCUIT; SEE E5.2A FOR CONTINUATION.
 - LOCATE FOR COPIER/PRINTER.
 - PROVIDE SURFACE MOUNT RACEWAY TO ACCESSIBLE CEILING SPACE.

FOR CONTINUATION SEE SHEET E4.2



KASAVAN ARCHITECTS
 60 W. Market St., Suite 300
 Salinas, California 93901
 Voice 831.424.2232 Fax 831.424.2501



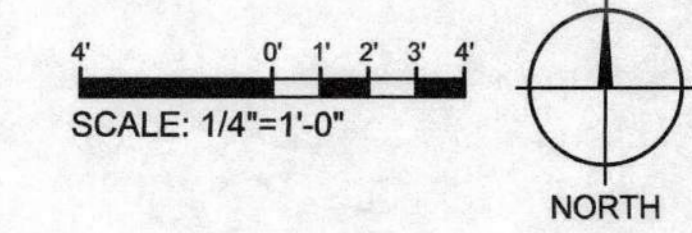
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AURUM CONSULTING ENGINEERS
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 60 Grade Court • Salinas, CA 93906
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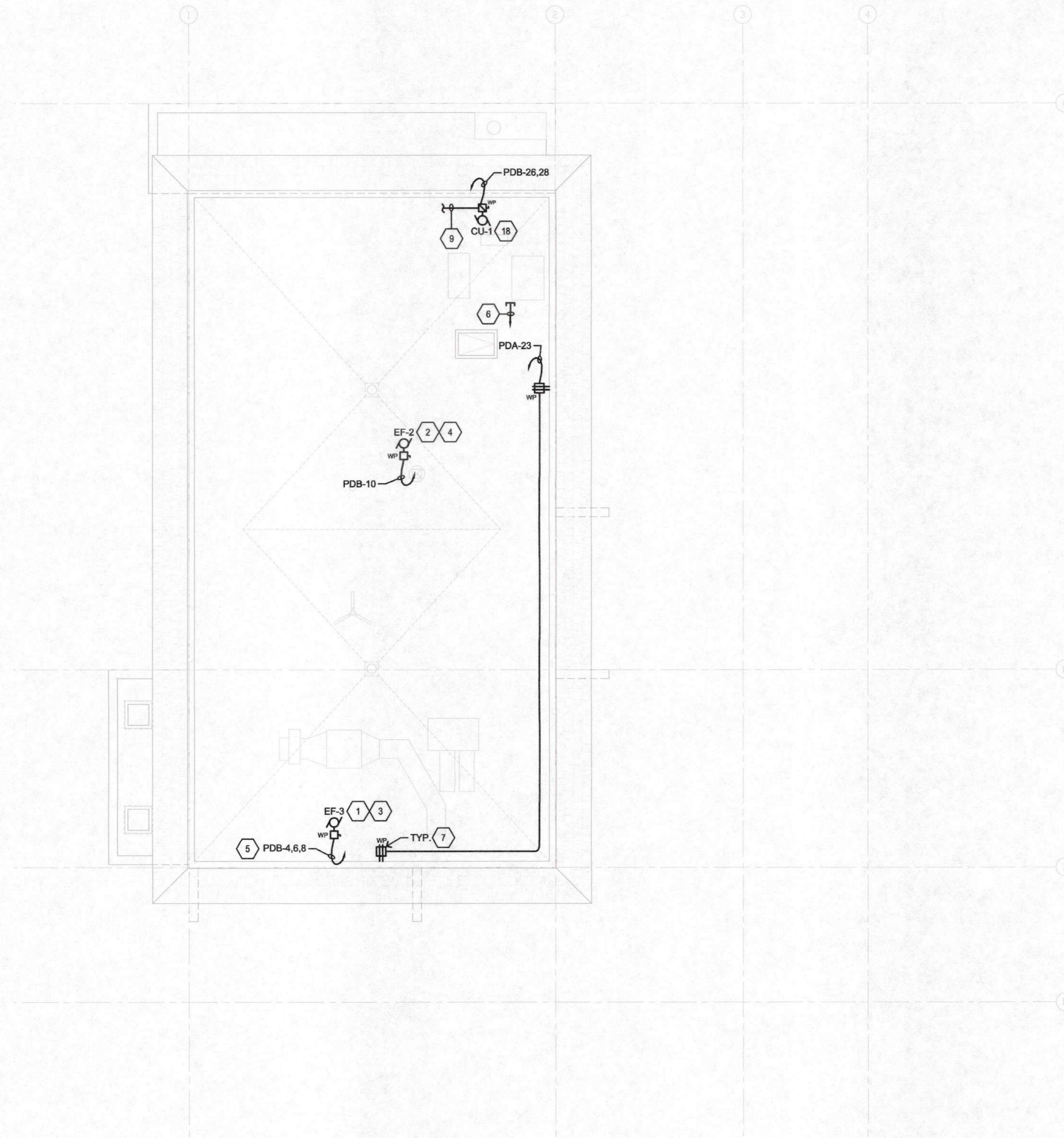
RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL-BY-THE-SEA
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 JUNIPERO AVE AND 4TH AVE
 CARMEL-BY-THE-SEA, CA 93923
POWER & SYSTEMS PLAN
- PARTIAL UPPER FLOOR

SHEET NUMBER
E4.2A
 DATE: 21 JAN 2020
 JOB: 1121 DRAWN: CADD



SHEET NOTES

1. 5 HP, 208V, 3Ø; PROVIDE STAINLESS STEEL DISCONNECT.
2. 1/6 HP, 120V; PROVIDE STAINLESS STEEL DISCONNECT.
3. COORDINATE WALL SWITCH WITH MECHANICAL; SEE SHEET M0.1 FOR INFORMATION & E4.1 FOR LOCATION.
4. COORDINATE WALL SWITCH WITH MECHANICAL; SEE SHEET M0.1 FOR INFORMATION & E4.2 FOR LOCATION.
5. 3/2" C., WITH 3 #8 & 1 #10 GND.
6. 4" C.O. FOR DATA CONDUIT; HOMERUN TO MPOE ROOM. SEE SHEET E4.1 FOR LOCATION. CAP & WEATHER SEAL OPENING ON ROOF.
7. PROVIDE AND INSTALL WEATHER RESISTANT GFCI RECEPTACLE MOUNTED IN "F5" BOX WITH IN-USE COVER, TAYMAC OR EQUAL.
8. 12.1A, 208V, 1Ø; PROVIDE STAINLESS STEEL FUSED DISCONNECT.
9. 1" C. WITH 2 #12 & 1 #12 GND TO INDOOR EVAPORATOR; SEE SHEET E4.1 FOR CONTINUATION. INSTALL PER MANUFACTURER'S REQUIREMENTS.



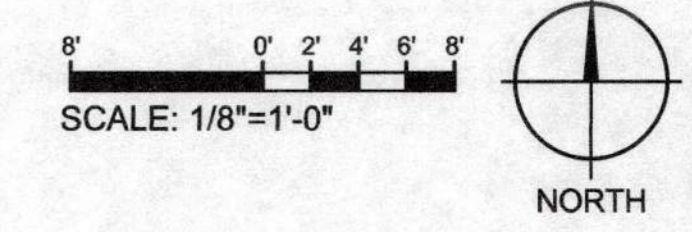
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 POLICE DEPARTMENT
 AT:
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 CARMEL-BY-THE-SEA, CA 93923
POWER PLAN - ROOF

SHEET NUMBER
E4.3
 DATE: 27 JAN 2020
 JOB: 1121 DRAWN: CADD



DAYLIT ZONES LEGEND

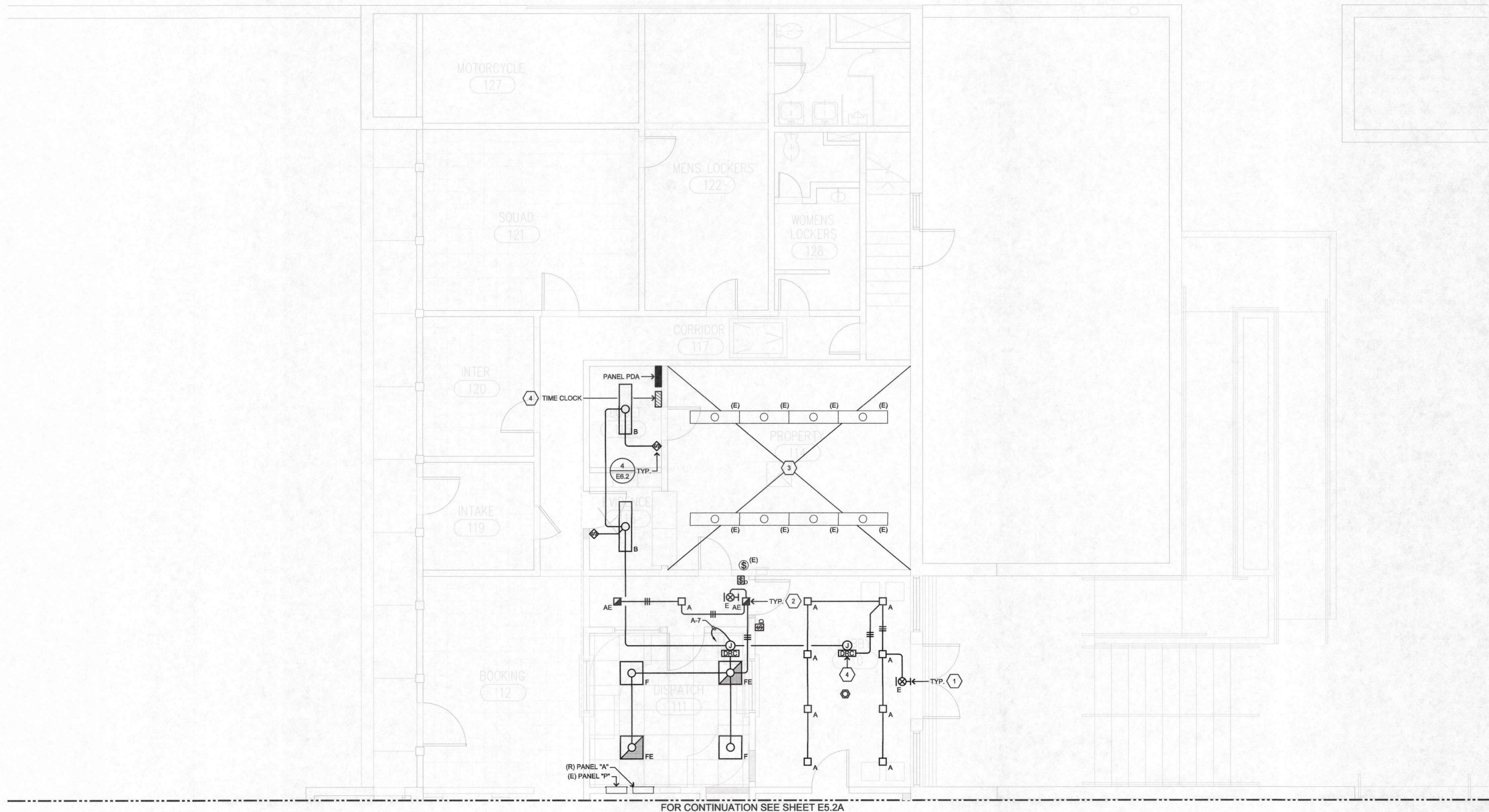
- PRIMARY DAYLIT ZONE
- SECONDARY DAYLIT ZONE

GENERAL NOTE:

SEE SHEET E6.2 FOR LIGHTING CONTROLS AND SEQUENCE OF OPERATION.

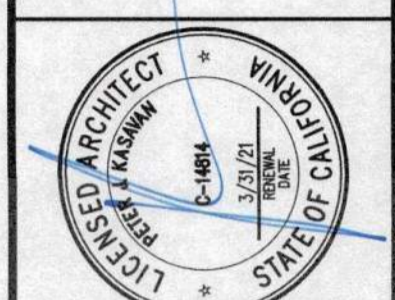
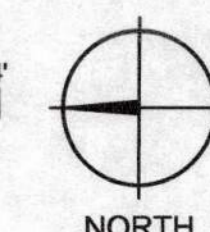
SHEET NOTES

1. CONNECT EXIT SIGN WITH AN UNSWITCHED 'HOT'.
2. HALF-SHADED FIXTURES ARE PROVIDED WITH INTEGRAL BATTERY BACKUP, CONNECT EMERGENCY FIXTURE WITH AN UNSWITCHED 'HOT' AND ALLOW FOR NORMAL OPERATION DURING NON-POWER OUTAGE CONDITIONS.
3. AREA NOT IN SCOPE OF WORK.
4. LOCATE LIGHTING CONTROL ABOVE ACCESSIBLE CEILING.
5. (4) CHANNEL TIME CLOCK; SEE DETAIL 6/E6.2 FOR WIRING INFORMATION.



FOR CONTINUATION SEE SHEET E5.2A

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



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 AT:
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SHEET NUMBER
E5.2
 DATE: 27 JAN 2020
 JOB: 1121 DRAWN: CADD

DAYLIT ZONES LEGEND

- PRIMARY DAYLIT ZONE
- SECONDARY DAYLIT ZONE

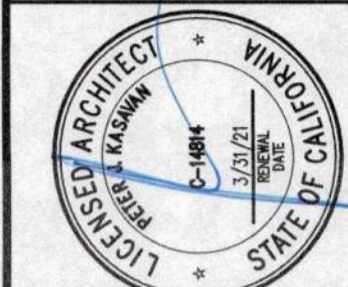
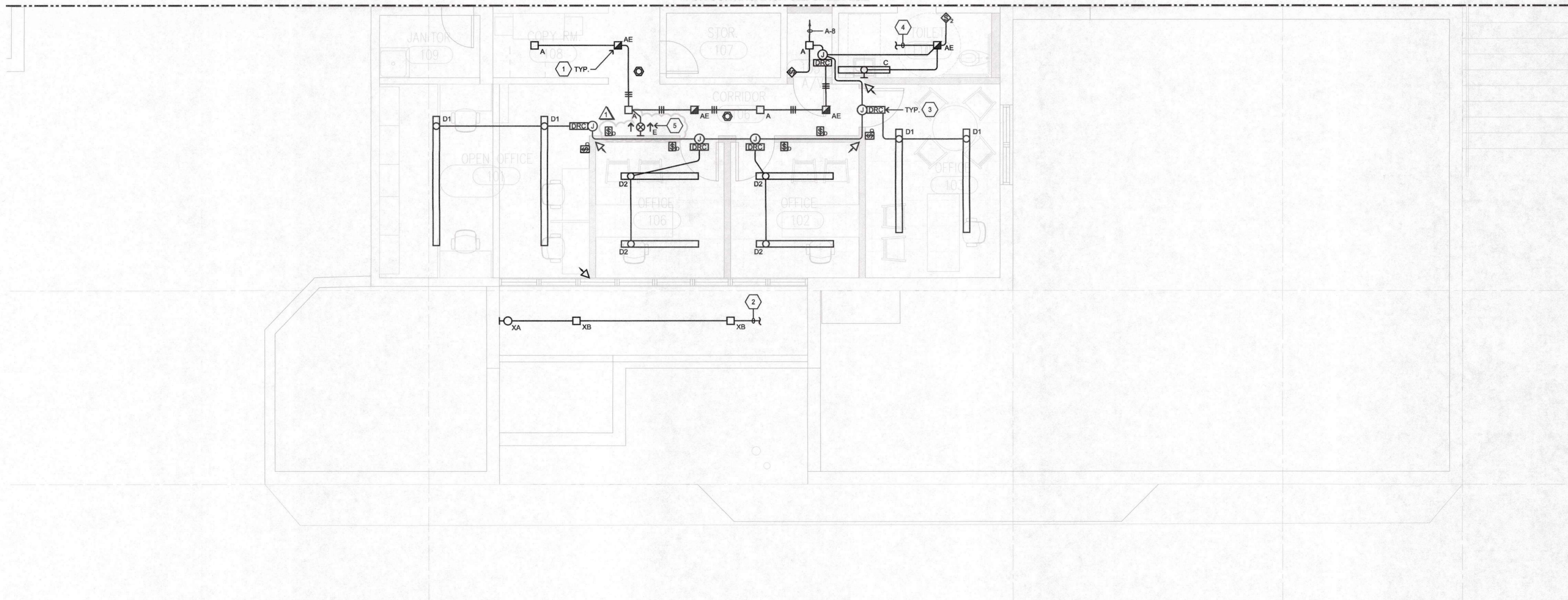
GENERAL NOTE:

SEE SHEET E6.2 FOR LIGHTING CONTROLS AND SEQUENCE OF OPERATION.

SHEET NOTES

1. HALF-SHADED FIXTURE IS PROVIDED WITH INTEGRAL BATTERY BACKUP, CONNECT EMERGENCY FIXTURE WITH AN UNSWITCHED 'HOT' AND ALLOW FOR NORMAL OPERATION DURING NON-POWER OUTAGE CONDITIONS.
2. CONNECT TO EXISTING LIGHTING CIRCUIT.
3. LOCATE LIGHTING CONTROL ABOVE ACCESSIBLE CEILING.
4. CONNECT TO EXHAUST FAN; SEE SHEET E4.2A FOR CONTINUATION.
5. (4) CHANNEL TIME CLOCK; SEE DETAIL 6/E6.2 FOR WIRING INFORMATION.

FOR CONTINUATION SEE SHEET E5.2



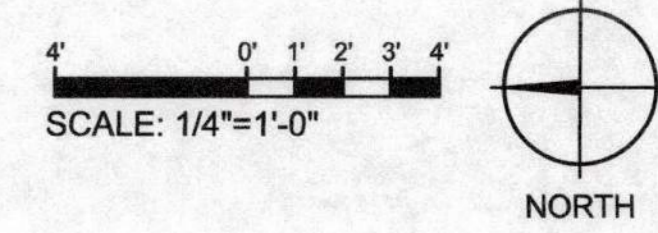
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RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL-BY-THE-SEA
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 CARMEL-BY-THE-SEA, CA 93923
LIGHTING PLAN - PARTIAL UPPER FLOOR

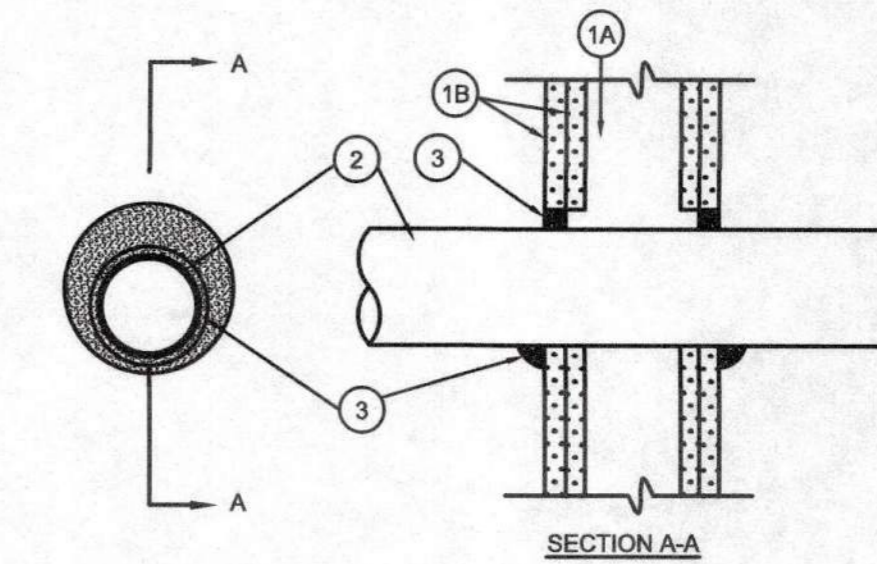
SHEET NUMBER
E5.2A
 DATE: 21 JAN 2020
 JOB: IT12J DRAWN: CADD



SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS

U.L. System No. W-L-1049

F Rating-1 and 2 Hr (See Item 1B)
 T Rating-0 HR
 L Rating At Ambient-Less Than 1 CFM/sq ft
 L Rating At 400F-Less Than 1 CFM/sq ft



1. Wall Assembly-The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 A. Studs-Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
 B. Wallboard, Gypsum-5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 25-3/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls. The hourly F Rating of the freestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrant-One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the freestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (point contact) to max 1-3/4 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 A. Steel Pipe-Nom 24 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
 B. Iron Pipe-Nom 24 in. diam (or smaller) cast or ductile iron pipe.
 C. Conduit-Nom 4 in. diam (or smaller) steel electrical metallic tubing, nom 6 in. diam (or smaller) steel conduit or nom 1 in. diam (or smaller) flexible steel conduit.
 D. Copper Tubing-Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
 E. Copper Pipe-Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

3. Fill, Void or Cavity Material-Sealant-Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of wall. At the point contact location between penetrant and gypsum wallboard and gypsum wallboard, a min 3/8 in. diam bead of fill material shall be applied at the gypsum wallboard/through penetrant interface on both surfaces of wall.
 Specified Technologies Inc.-SpecSeal 100, 101, 102 or 105 Sealant
 *Bearing the UL Classification Marking

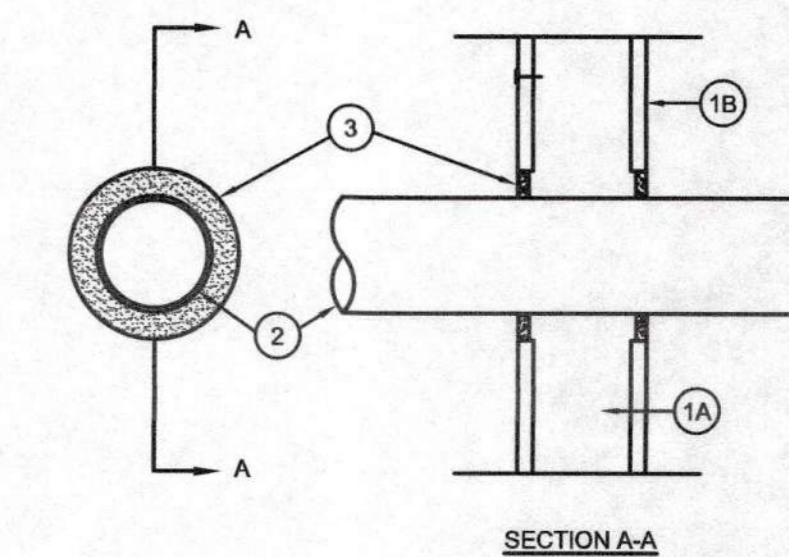
2-HR FIRE-RATED WALL PENETRATION

NO SCALE

SEE FLOOR PLAN DRAWINGS FOR RATED WALL LOCATIONS

U.L. System No. W-L-1062

F Rating-1 HR
 T Rating-0 HR
 L Rating At Ambient-Less Than 1 CFM/sq ft
 L Rating At 400F-Less Than 1 CFM/sq ft

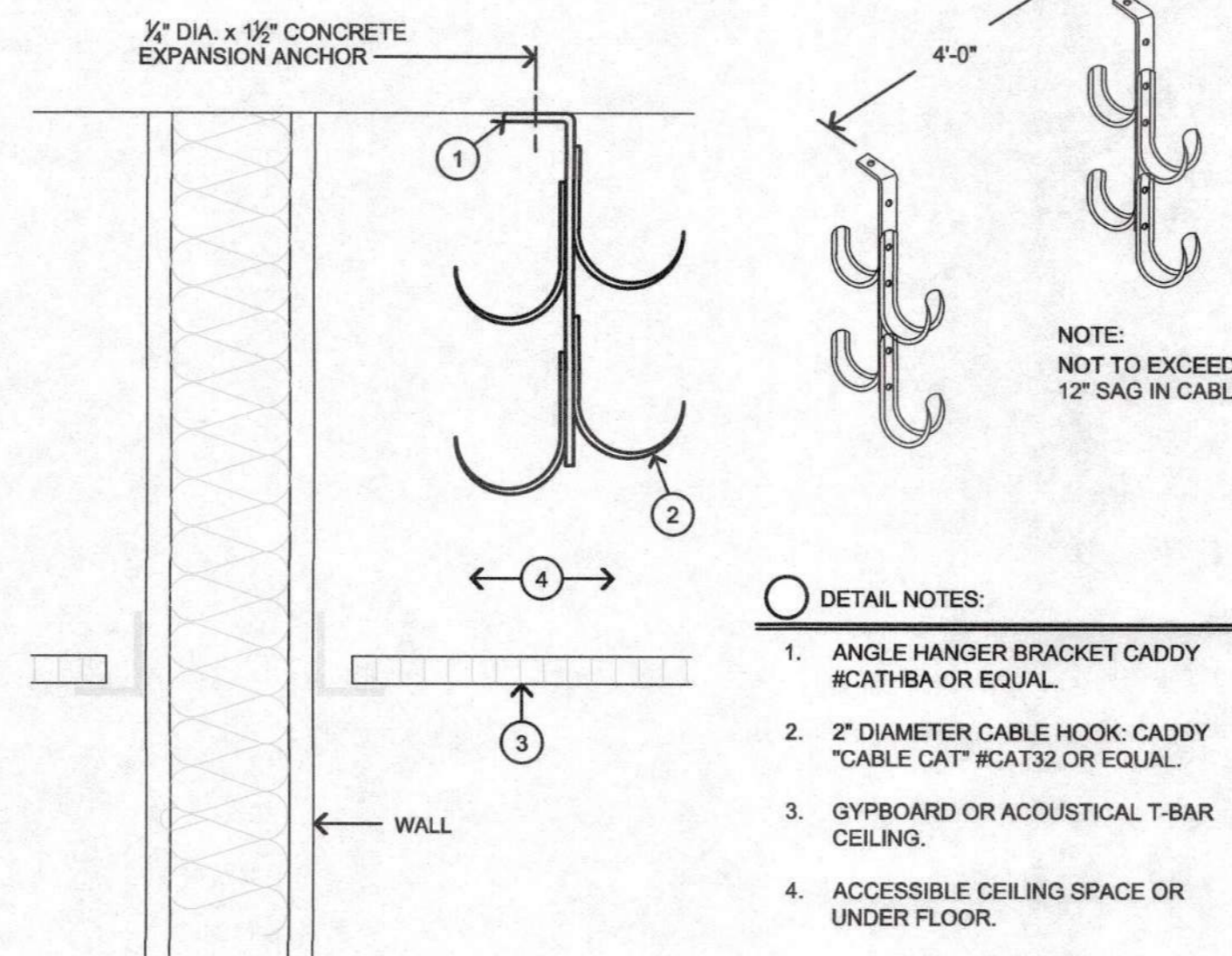


1. Wall Assembly-The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 A. Studs-Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3(Q5)W(A)8 in. wide and spaced max 24 in. OC.
 B. Wallboard Gypsum-One Layer of nom (Q5)W(A)8 in. thick gypsum wallboard as specified in the individual Wall and Partition Design. Max diam of opening is 4(Q3)W(A)4 in.

2. Through Penetrants-One metallic conduit to be installed within the freestop system. The space between the conduit and periphery of opening shall be a min (Q1)W(A)4 in. to a max (Q3)W(A)8 in. Conduit to be rigidly supported on both sides of wall assembly. A nominal 4 in. diameter (or smaller) electrical metallic tubing or steel conduit may be used.
 3. Fill, Void or Cavity Material-Caulk-Min 1(Q1)W(A)2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.
 General Electric Co.-Pensil 100 Caulk.
 Specified Technologies Inc.-Pensil 100 Sealant and Pensil 300 Sealant.
 *Bearing the UL Classification Marking

1-HR FIRE-RATED WALL PENETRATION

NO SCALE

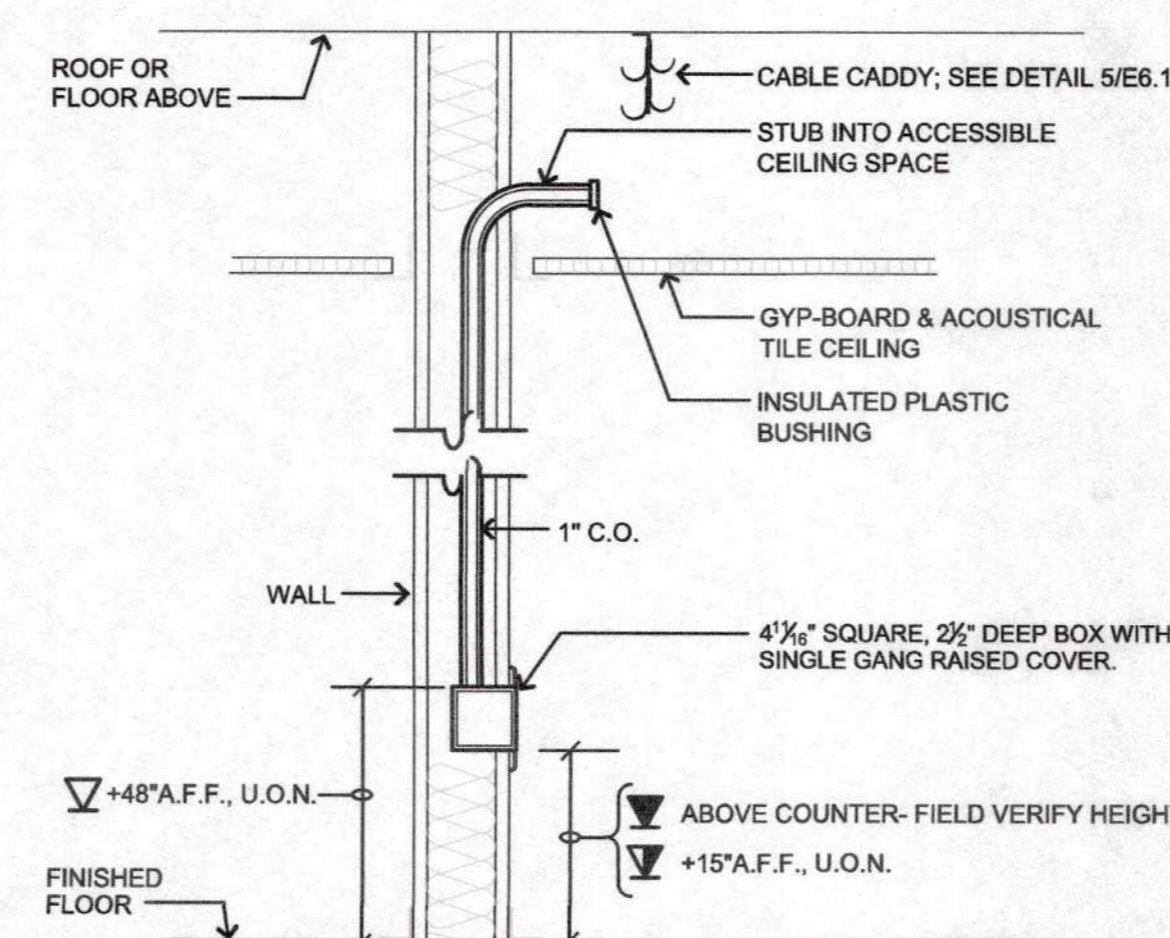


DETAIL NOTES:

1. ANGLE HANGER BRACKET CADDY #CAT18A OR EQUAL.
2. 2" DIAMETER CABLE HOOK: CADDY "CABLE CAT" #CAT32 OR EQUAL.
3. GYPBOARD OR ACOUSTICAL T-BAR CEILING.
4. ACCESSIBLE CEILING SPACE OR UNDER FLOOR.

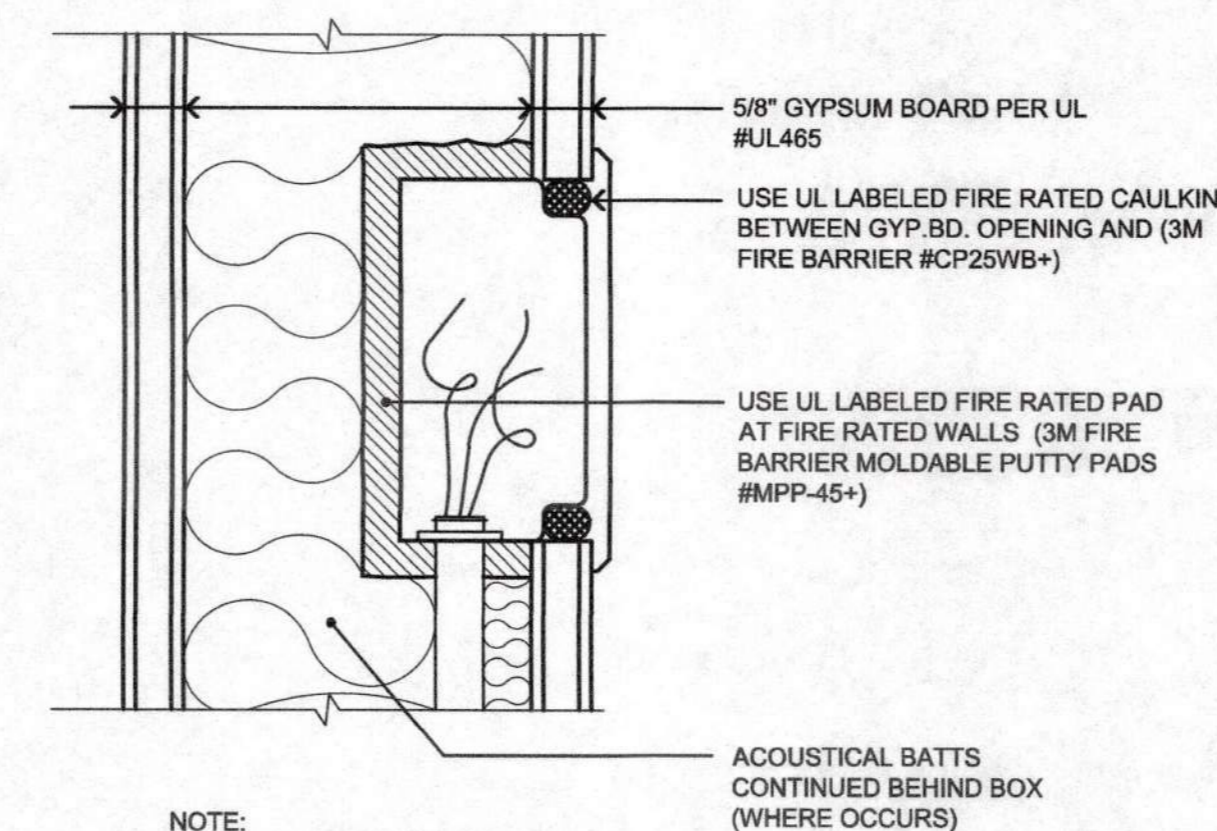
J-HOOK MOUNTING DETAIL

NO SCALE



TELE/DATA OUTLET DETAIL

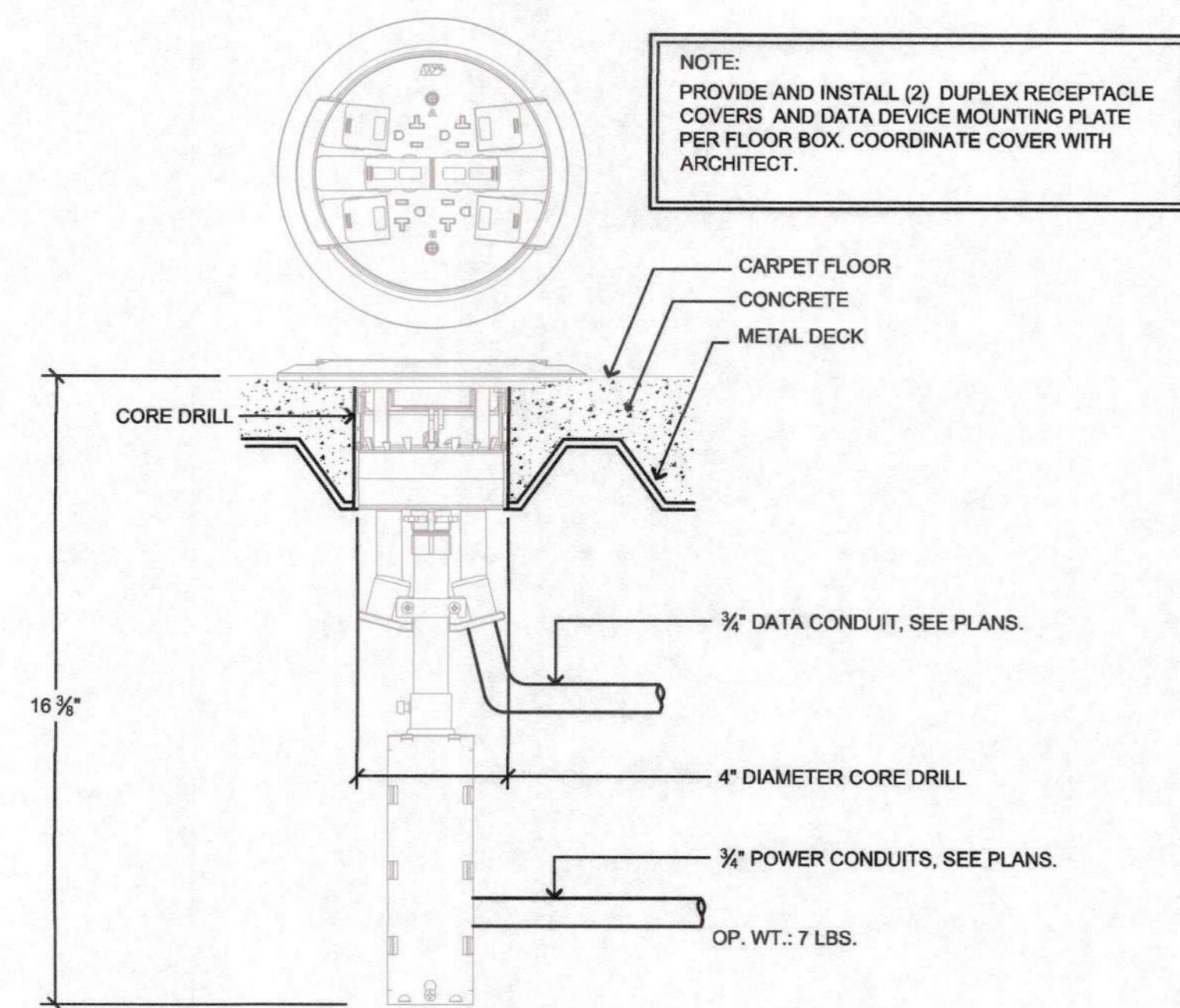
NO SCALE



NOTE: BACK TO BACK BOXES NOT ALLOWED

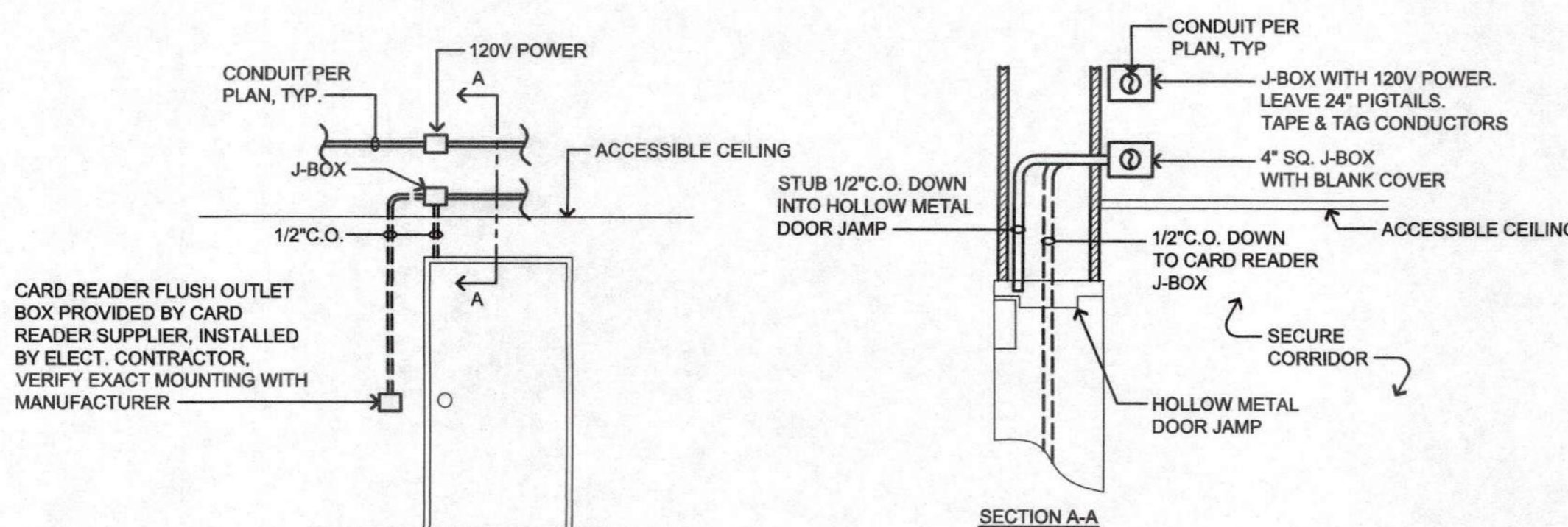
1-HR FIRE RATED WALL PENETRATION ELECTRICAL RECEPTACLE CAULKING (TYP.)

NO SCALE



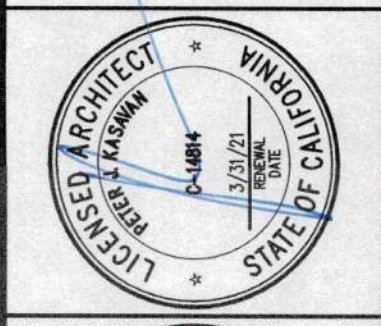
WIREMOLD RC4 SERIES POKE-THRU MOUNTING DETAIL

NO SCALE



CARD READER DETAIL

NO SCALE



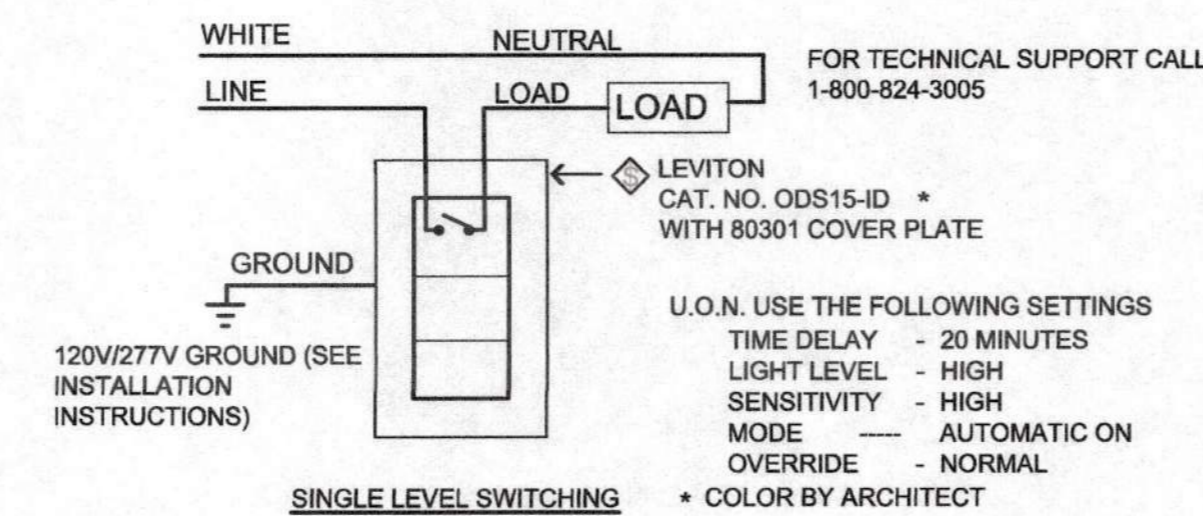
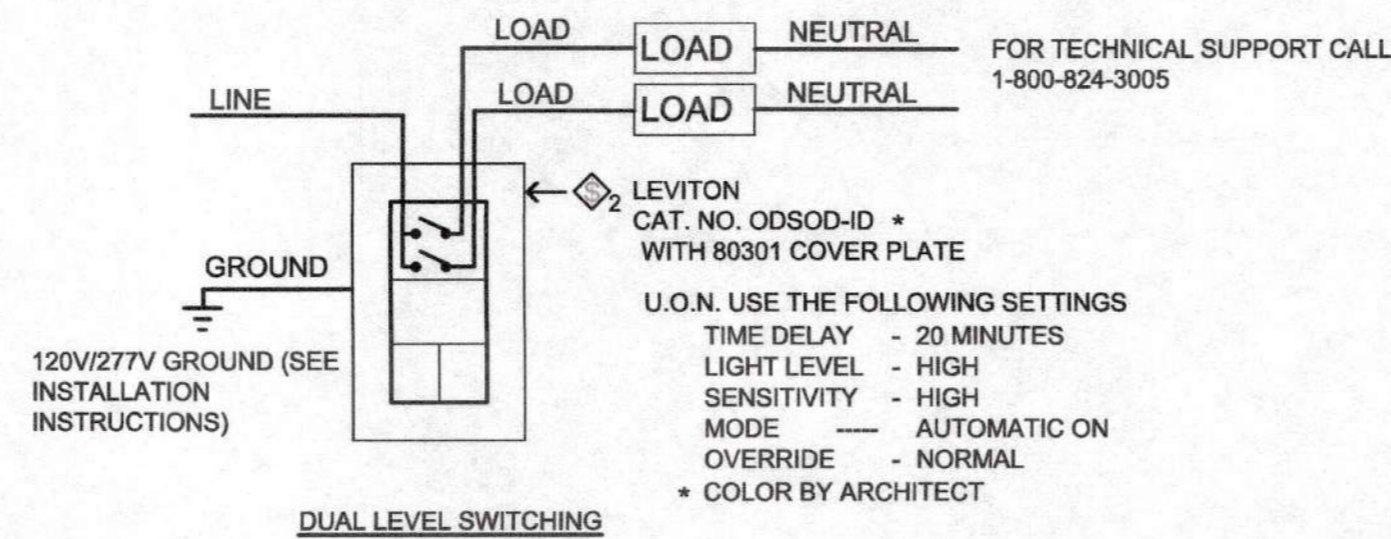
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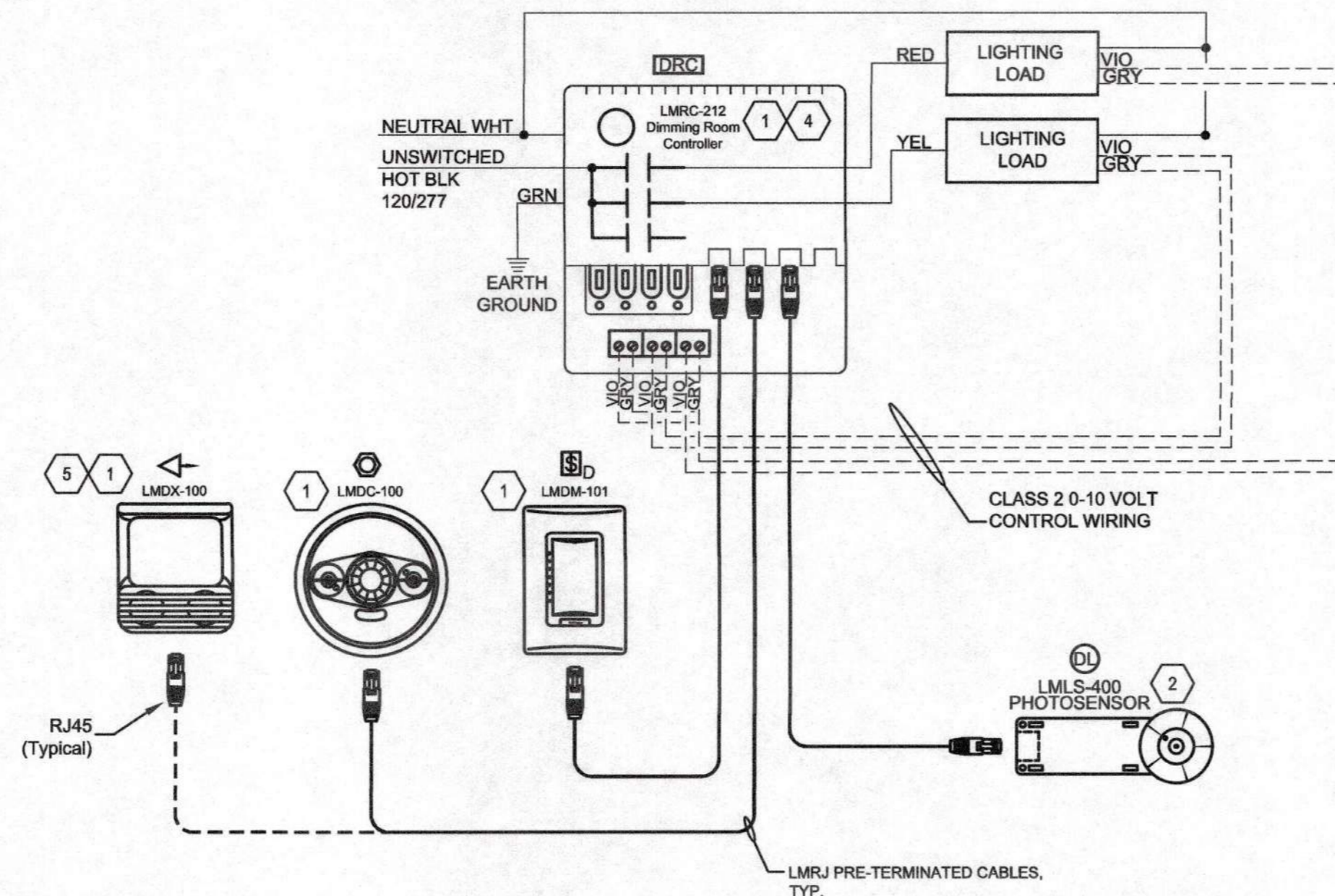
REVISIONS:
 PLAN CHECK 12/05/14

RENOVATIONS AND SITE IMPROVEMENTS
 CITY OF CARMEL - BY-THE-SEA
 POLICE DEPARTMENT
 AT:
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 CARMEL-BY-THE-SEA, CA 93923

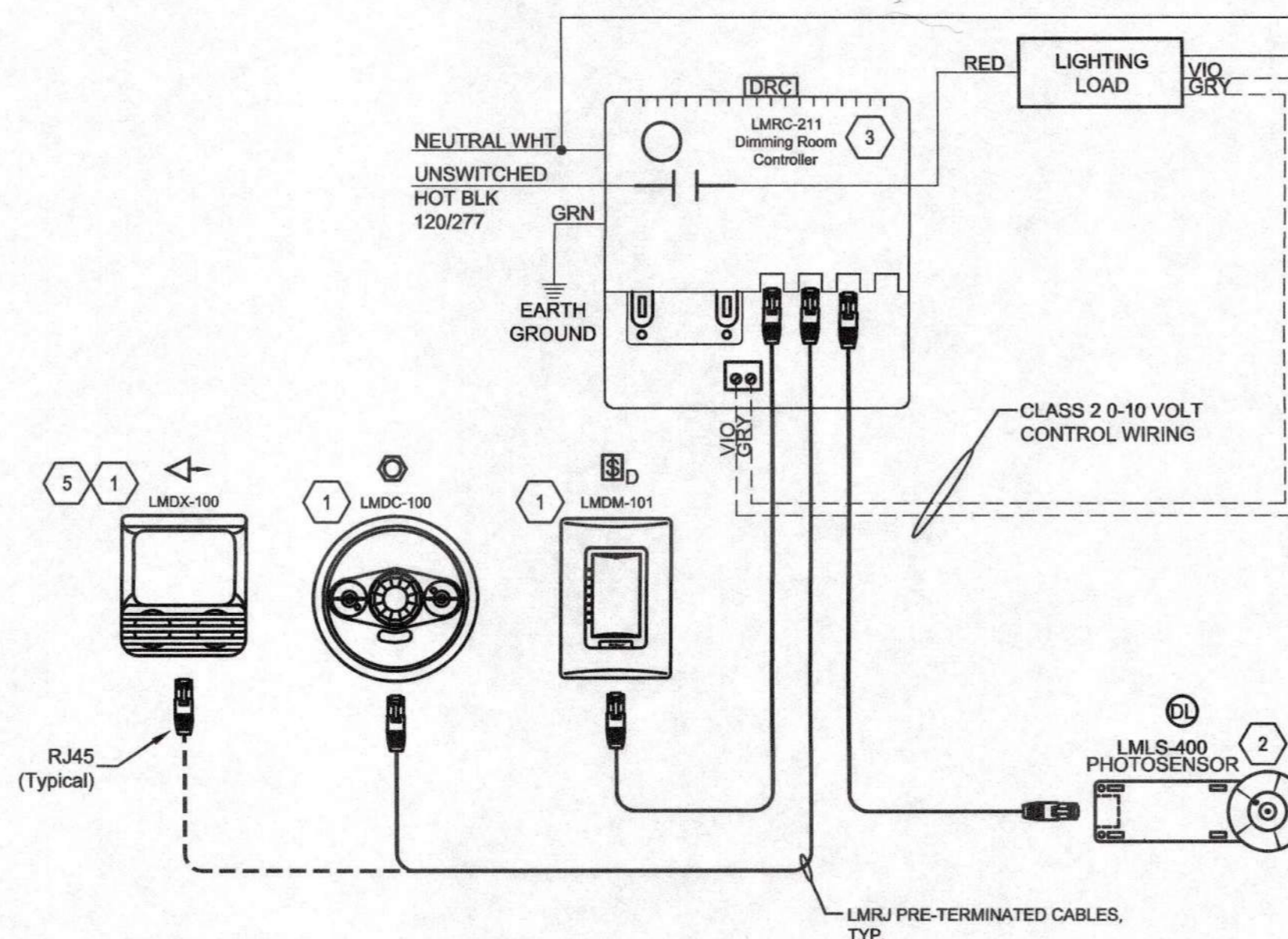
SHEET NUMBER
E6.1
 DATE: 21 JAN 2020
 JOB: 1121 DRAWN: CADD



5 WALL OCCUPANCY SENSOR WIRING
NO SCALE



4 2-ZONE DIMMING WITH DAYLIGHTING
NO SCALE



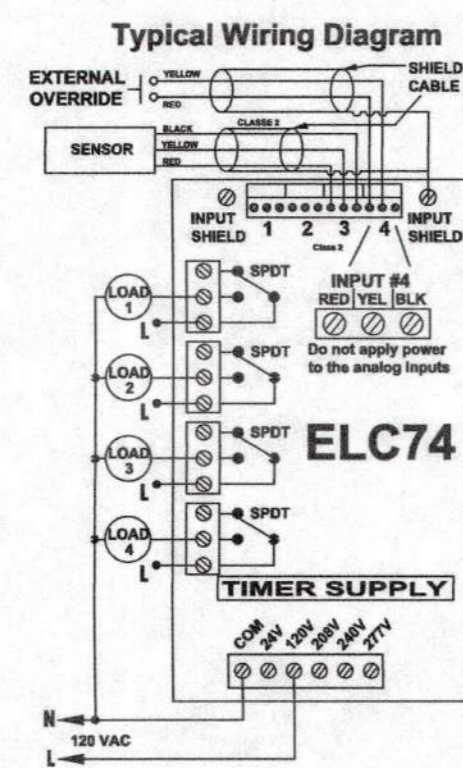
3 1-ZONE DIMMING
NO SCALE

TORK DIGITAL TIME SWITCH SPECIFICATIONS
Input Voltage: 24/120/208/240/277VAC, 50/60Hz, 10VA max. Output: SPDT, dry contact (unpowered).
WIRING INSTRUCTIONS & DIAGRAM
Use copper wire only, #12AWG or larger, suitable for 90°C (194°F). WIRING TO COMPLY WITH ALL LOCAL AND NATIONAL ELECTRICAL CODES. Bonding between conduit connection is not automatic and must be provided as part of the installation. THE ENCLOSURE MUST BE PROPERLY GROUNDED. Minimum 20 lb. in. torque required at the terminals to ensure proper connections.

CONTACT RATINGS

LOAD	VOLTAGE	NO	NC
General Purpose	24/120-277VAC	20A	15A
Ballast	120-277VAC	20A	20A
Tungsten	120-277VAC	5A	
Motor Load	120VAC	1HP	1/4HP
	208-277VAC	2HP	1/2HP
Pilot Duty	120-240VAC	470VA	270VA

NOTE: Remove battery insulator before applying power to insure memory carryover during power outage.



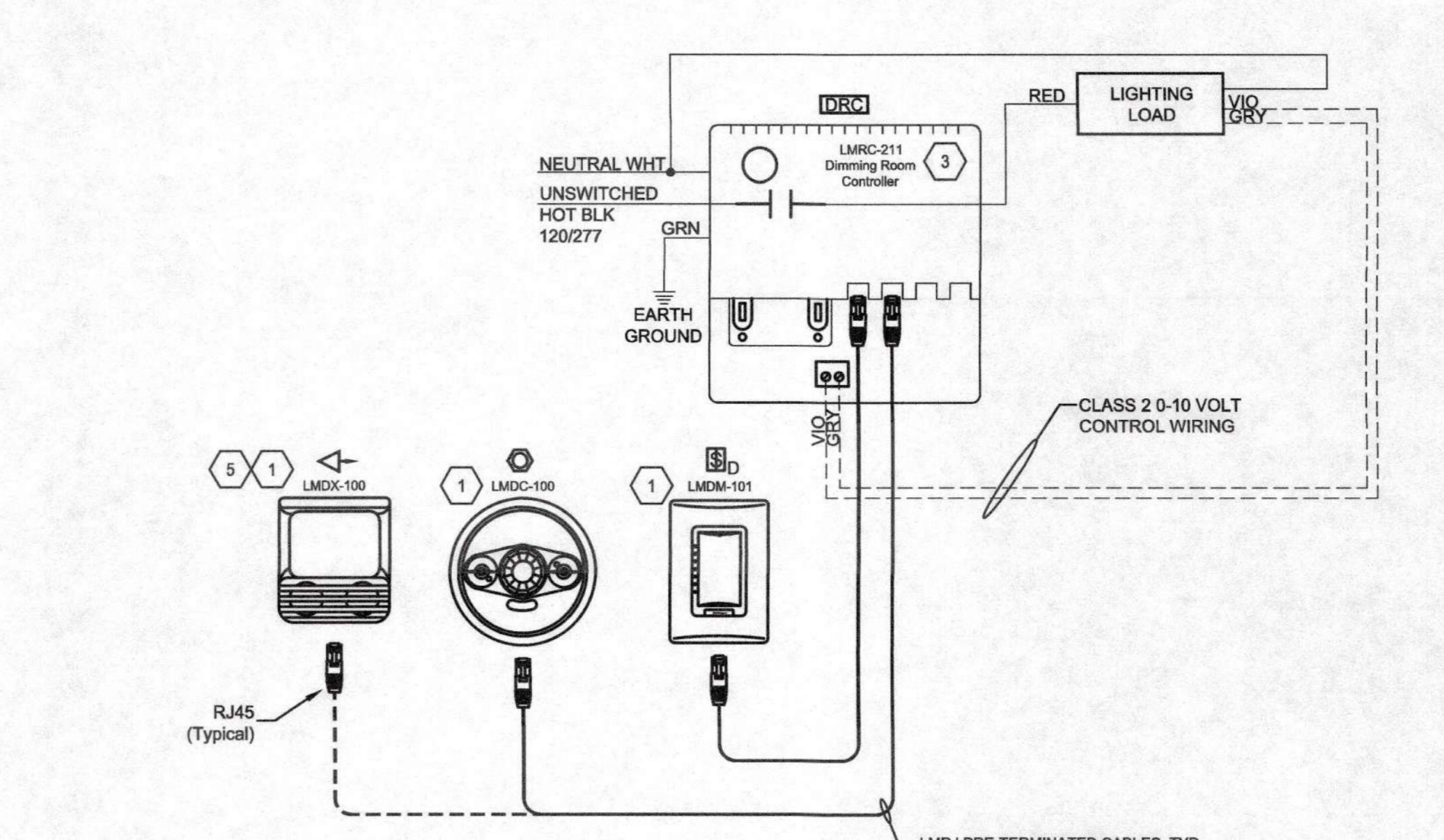
6 TORK MODEL #ELC74 TIME CLOCK WIRING DIAGRAM
NO SCALE

- GENERAL DETAIL NOTES:
- ALL PART #s ARE WATTSTOPPER.
 - THIS DETAIL IS FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL OBTAIN AND FURNISH AUTOCAD DRAWINGS FROM FACTORY REPRESENTATIVE PER SPECIFICATION SECTION 16950.1.05B.
 - FOR CORRIDOR/HALLWAY/STAIRWELL LOCATIONS CONTROLLED BY OCCUPANCY SENSOR, SENSOR SHALL REDUCE THE LIGHTING POWER IN CORRIDOR/HALLWAY/STAIRWELL TO 50% MINIMUM WHEN SPACE IS UNOCCUPIED.
 - WHEN NETWORKING, ENSURE ONLY ONE (1) NETWORK BRIDGE PER ROOM.

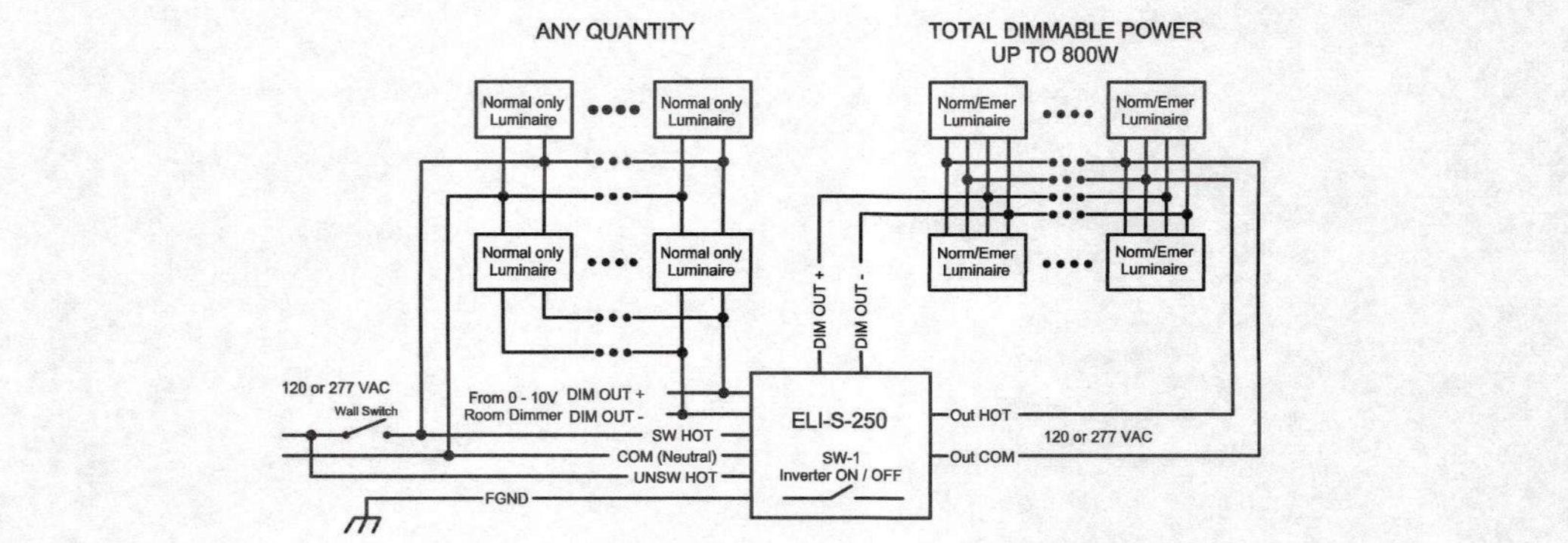
- SHEET NOTES**
- FOR DEVICE QUANTITY AND LOCATION; SEE LIGHTING & POWER FLOOR PLANS.
 - ONE ZONE DAY LIGHT PHOTOCELL. SEE PLANS FOR QUANTITIES & LOCATIONS. PROGRAM ZONE 1 (PRIMARY DAY LIT ZONE) AT 40FC AND ZONE 2 (SECONDARY DAY LIT ZONE) DIMMED TO 25% LESS THAN ZONE 1..
 - LMRC-211 IS A (1) LOAD ROOM CONTROLLER THAT WILL CONTROL A SINGLE (1) 20A CIRCUIT 0-10V CONTROL.
 - LMRC-213 IS A (3) LOAD CONTROLLER THAT WILL CONTROL A SINGLE (1) 20A CIRCUIT 0-10V CONTROL.
 - WALL OR CORNER MOUNTED OCCUPANCY SENSOR SHALL BE INSTALLED IN ROOMS/AREAS WHERE SHOWN ON PLANS.

INTERIOR LIGHTING CONTROLS SEQUENCE OF OPERATION

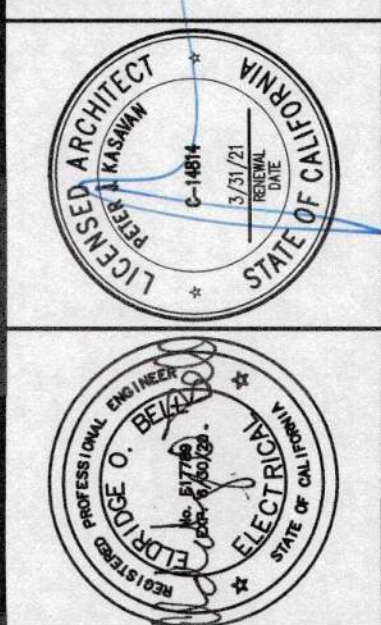
ROOM TYPE	FUNCTION	REMARKS
OPEN OFFICE	OCCUPANCY SENSOR - MANUAL ON	
PRIVATE OFFICE < 250 FT ²	OCCUPANCY SENSOR - AUTO ON	
PRIVATE OFFICE > 250 FT ²	OCCUPANCY SENSOR - AUTO ON	
MEETING ROOMS	OCCUPANCY SENSOR - AUTO ON	
CORRIDORS/HALLWAYS/LIBRARY STACKS/WAREHOUSE AISLE	OCCUPANCY SENSOR - AUTO ON	DIM TO 50% WHEN UNOCCUPIED.
SMALL RESTROOMS < 100 FT ²	OCCUPANCY SENSOR - AUTO ON	
RECEPTION/LOBBY	OCCUPANCY SENSOR - AUTO ON	
ELECTRICAL/MECHANICAL/UTILITY ROOMS	OCCUPANCY SENSOR - AUTO ON	
MULTI PURPOSE ROOM < 1000 FT ²	OCCUPANCY SENSOR - AUTO ON	
CONFERENCE ROOM	OCCUPANCY SENSOR - AUTO ON	
PRIVATE OFFICE WITHOUT DAY LIGHTING	OCCUPANCY SENSOR - AUTO ON	
ANY SPACE < 100 FT ²	OCCUPANCY SENSOR - AUTO ON	



2 1-ZONE DIMMING LIGHTING CONTROL
NO SCALE



1 INVERTER WIRING DIAGRAM
NO SCALE



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REVISIONS:
PLAN CHECK 12/05/14

RENOVATIONS AND SITE IMPROVEMENTS
CITY OF CARMEL - BY - THE - SEA
POLICE DEPARTMENT
AT:
JUNIPERO AVE AND 4TH AVE.
CARMEL - BY - THE - SEA, CA 93923

ELECTRICAL DETAILS
SHEET NUMBER
E6.2
DATE: 27 JAN 2020
JOB: 1721 DRAWN: CADP