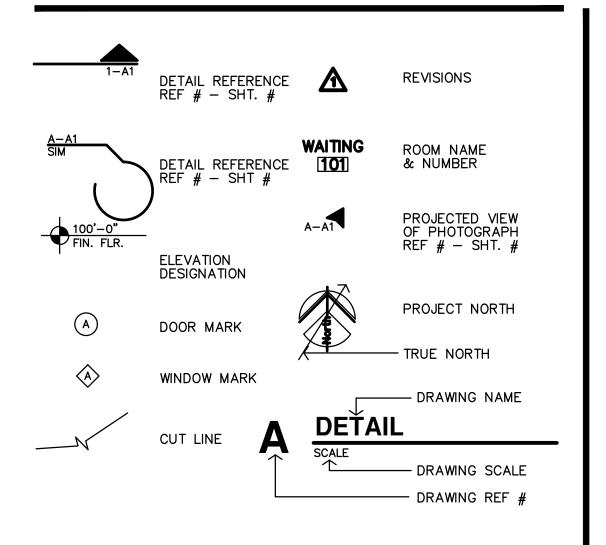
THE RESERVES at EAGLE POINT

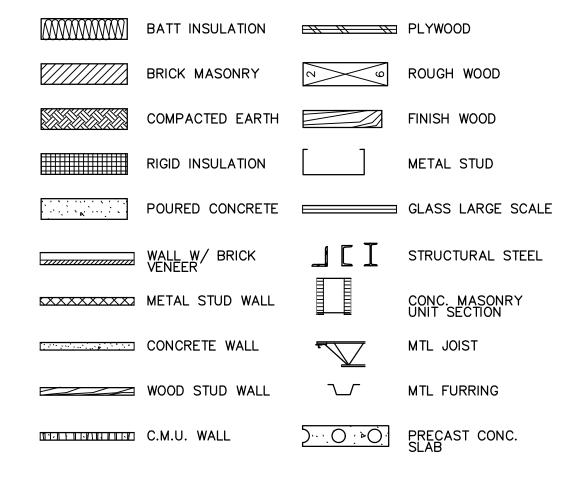
415 NORTH PICADILLY RD - BUILDING E

AURORA, 22-3219 COLORADO

REFERENCE LEGEND



MATERIAL LEGEND



JonesGillamRenz

730 N. Ninth St. 1881 Main St, Ste 301 Salina, KS 67401 Kansas City, MO 64108 jgr@jgrarchitects.com 785.827.0386

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| | | | | • | 0 1 0 | | | | O 0 | | | · | |
|---|---|---|---|---|--|--|--|--|---|--|--|---|--|
| <u>AB</u> | BREVIATION | <u>NC</u> | <u>S</u> | | | | | | | | | | |
| &\@@@# AAA.AAAAAA BBBBBBBBBBBBBBBBBBBBBBBBBBB | Adjustable Above Finished Floor Aggregate Aluminum | r. c. | Counter Column Conc. Concrete Ceramic Tile Concrete Masonry Unit Center Double Detail Drinking Fountain Diameter Dimension Down Door Downspout Drawing Drawer Existing East or Existing Each Expansion Joint Elevation Electrical Elevator Equal Equipment Each Way Elec. Water Cooler Existing Exposed | p | Expansion Exterior Fire Alarm Floor Drain Foundation Fire Extinguisher F.E. Cabinet Finish Floor Flashing Flow line Foot or feet Footing Furring Furring Future Gauge Galvanized Grab Bar Glass Ground Grade Gypsum Hose Bibb Hollow Core Hardwood Hardware Hollow Metal Horizontal | Hr. Hgt. I.D. Insul. Int. Jan Jt. Kit. Lam. Lav. Lt. Max. M.C. Mech. Met. Met. Min. Mir. Misc. M.O. Mtd. | Hour Height Inside Diameter Insulation Interior Janitor Joint Kitchen Laboratory Laminate Lavatory Locker Light Masonry Maximum Medicine Cabinet Mechanical Membrane Metal Manufacturer Manhole Minimum Mirror Miscellaneous Masonry Opening Mounted | N. I.C. No. or No.I.C. No. or No.T.S. Obs. O.D. Off. Opp. P. Las. Plywd. Pr. T. D. Pt. T. R. ad. R. d. R. d. R. ef. Ref. | North Not In Contract #Number Nominal Not To Scale On or Over Obscure On Center Diameter Office Opening Opposite Paint Plate Plastic Laminate Plaster Plywood Pair Point Paper Towel Dispenser Partition Paper Towel Receptacle Quarry Tile Riser Radius Roof Drain Reference | RREAL SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS | Reinforced Required Resilient Room Rough Opening South Splash Block Solid Core Schedule Soap Dispenser Section Shower Sheet Similar Sanitary Napkin Disp. Sanitary Napkin Recep. Specification Square Stainless Steel Standard Steel Storage Structural Suspended Sheet Vinyl Symmetrical Texture Towel Bar Tack Board | Temp. T.&G. Thk. T.O.S. T.P.D. T.V. T.YP. Trd. U.O. V.T. V.B. Vest. Vyl. W./o W.C. Wd. Wp. Wdw. Wsct. Wt. | Tempered Tongue & Groove Thick Top Of Masonry Top Of Steel Top Of Pavement Toilet Paper Dispenser Television Tackwall Typical Tread Unless Otherwise Noted Urinal Vinyl Composition Tile Vinyl Tile Vapor Barrier Vertical Vestibule Vinyl West With Without Wall Covering Wood Waterproof Window Wainscot Weight |

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GENERAL COVER & SHEET INDEX CFP1 CODE FOOTPRINT ADA ADA DIAGRAMS ICC 1 ICC A117.1-2017 DETAILS AND SECTIONS ICC 2 ICC A117.1-2017 DETAILS AND SECTIONS ICC 3 ICC A117.1-2017 DETAILS AND SECTIONS FH1 FAIR HOUSING FH2 FAIR HOUSING FH3 FAIR HOUSING EN1 RESCHECK REPORTS EN2 RESCHECK REPORTS

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EN3 COMCHECK REPORTS EN4 COMCHECK REPORTS

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| A1.2 | BUILDING ADDRESSING PLAN |
| A1.3 | ENLARGED SITE PLANS AND DETAILS |
| A1.4 | TRASH ENCLOSURE PLANS AND SECTIONS |
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A4.7 FIRE PENTRATION DETAILS A4.8 MANUFACTURER HARDIE LAP SIDING INSTALLATION DETAILS

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P5.2 DOMESTIC WATER RISER DIAGRAMS P6.1 PLUMBING SCHEDULES & DETAILS

ELECTRICAL

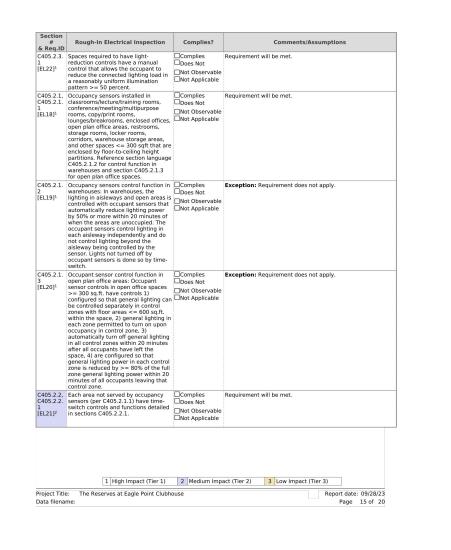
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E6.2 SCHEDULES E6.3 SCHEDULES

E6.4 SCHEDULES & CALCULATIONS

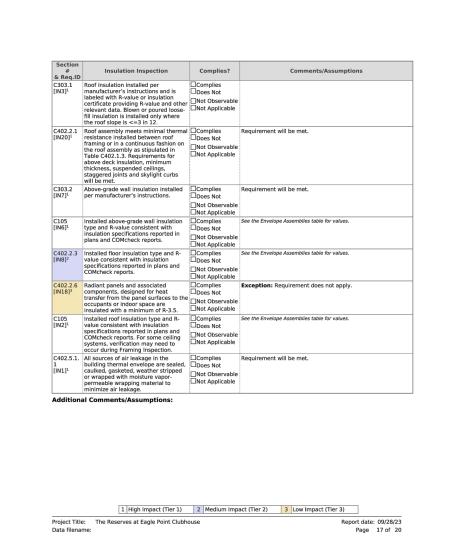
E6.7 ELECTRICAL RISER DIAGRAM

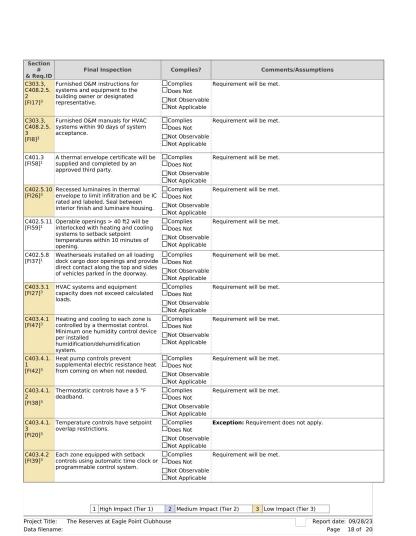


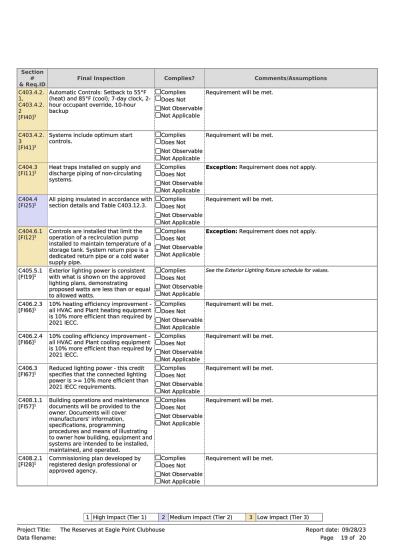
 1 High Impact (Tier 1)
 2 Medium Impact (Tier 2)
 3 Low Impact (Tier 3)

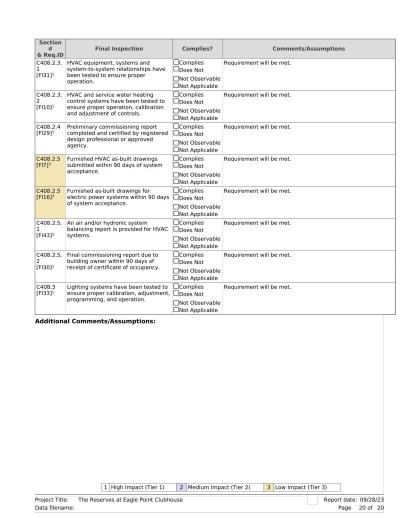
Reserves at Eagle Point Clubhouse
Report date: 09/28/23

| Section # & Req.ID | Rough-In Electrical Inspection | Complies? | Comments/Assumptions |
|---|--|---|--|
| C405.2.4, C405.2.4. 1, C405.2.4. 2 [EL23] ² | Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone. | □Complies □Does Not □Not Observable □Not Applicable | Exception: Requirement does not apply. |
| C405.2.5 [EL27] ¹ | Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting. | □Complies □Does Not □Not Observable □Not Applicable | Requirement will be met. |
| C405.2.7 [EL28] ¹ | Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%. | □Complies □Does Not □Not Observable □Not Applicable | Requirement will be met. |
| C405.7 [EL26] ² | Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6. | □Complies □Does Not □Not Observable □Not Applicable | Exception: Requirement does not apply. |
| C405.8 [EL27] ² | Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist). | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| C405.9.1, C405.9.2 [EL28] ² | Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers. | □Complies □Does Not □Not Observable □Not Applicable | Exception: Requirement does not apply. |
| C405.10 [EL29] ² | Total voltage drop across the combination of feeders and branch circuits <= 5%. | □Complies □Does Not □Not Observable □Not Applicable | Requirement will be met. |
| C405.1.1 [EL30] ² | At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3. | □Complies □Does Not □Not Observable □Not Applicable | Exception: Requirement does not apply. |
| C405.11, C405.11.1 [EL31] ² | 50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have auditoratic receptacle control in accordance with C405.11.1. | □Complies □Does Not □Not Observable □Not Applicable | Requirement will be met. |
| | for modular furniture will have jautomatic receptacle control in accordance with C405.11.1. aal Comments/Assumptions: 1 High Impact (Tier 1) | 2 Medium Imp | |
| Project Title | | ouse | Report date Page |

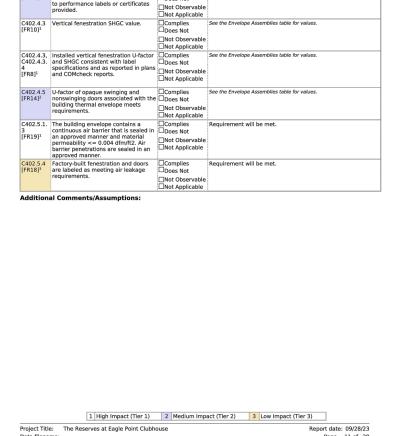






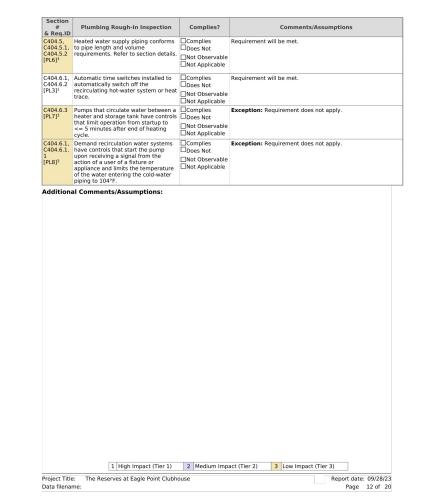


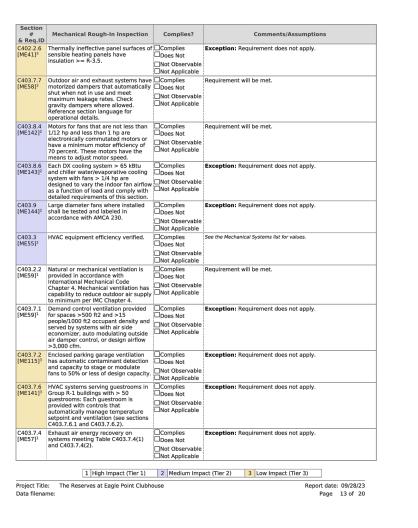
| Project Title: Data filename | The Reserves at Eagle Point Clubhous | 2 Medium Impact | Report | t date: 09/28/23 age 10 of 20 | Project 1 Data file | | 1 High Impact (Tier 1) | 2 Medium Impact (|
|---------------------------------|---|--|--------------------------|----------------------------------|------------------------|----------|---|---|
| Section # | Insulation Inspection Roof insulation installed per manufacturer's instructions and is labeled with R-value or insulation certificate providing R-value and other relevant data. Blown or poured loose- | Complies? □Complies □Does Not □Not Observable □Not Applicable | Comments/Assumpt | iions | & F | 8.2.5. s | Final Inspection urnished O&M instructions for systems and equipment to the uilding owner or designated epresentative. | Complies? Complies Does Not Not Observable Not Applicable |
| C402.2.1 [IN20] ¹ | fill insulation is installed only where the roof slope is <=3 in 12. Roof assembly meets minimal thermal resistance installed between roof framing or in a continuous fashion on the roof assembly as stipulated in Table C402.1.3. Requirements for above deck insulation, minimum thickness, suspended ceillings, staggered joints and skylight curbs will be met. | □Complies □Does Not □Not Observable □Not Applicable | Requirement will be met. | | C40 3 [FI8 | 1.3 A Sl | urnished O&M manuals for HVAC ystems within 90 days of system cceptance. thermal envelope certificate will be upplied and completed by an pproved third party. | Complies Does Not Not Observable Not Applicable Complies Does Not Not Observable Not Applicable |
| | | | | | | | | |



Section # Framing / Rough-In Inspection Complies? Comments/Assumptions

C303.1.3 Fenestration products rated in accordance with NRC certified and as to performance labels or certificates provided.





| [ME116] ³ | | Complies? | Comments/Assumptions |
|---|--|---|--|
| | Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria. | □Complies □Does Not □Not Observable □Not Applicable | Exception: Requirement does not apply. |
| C403.4.3. 3.2 [ME121] ³ | Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower closure dampers. Open-circuit tower wide to bypass so lineat pump unmatic valve to bypass so lineat pump unmatic valve to bypass all heat pump unmatic closed-circuit cooling tower so lineat pump closed-circuit cooling tower so shutting down the circulation pump on the cooling tower loop. Open-or closed circuit cooling tower shave a separate heat exchanger have heat loss by chutting tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop. | □Not Observable | Exception: Requirement does not apply. |
| 4 [ME63] ² | Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermost | □Complies □Does Not □Not Observable □Not Applicable | Exception: Requirement does not apply. |
| | Air outlets and zone terminal devices have means for air balancing. | □Complies □Does Not □Not Observable □Not Applicable | Requirement will be met. |
| C403.11.3 .1, C403.11.3 .2 [ME123] ³ | Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.11.3.1 and refrigeration compressor systems that comply with C403.11.3.2. | □Complies □Does Not □Not Observable □Not Applicable | Exception: Requirement does not apply. |
| .1, C403.11.3 .2 [ME123] ³ | remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.11.3.1 and refrigeration compressor systems that comply with | □Not Observable | |

| Project Title: Location: | | a Point Clubbo | UICA | | | |
|--|--|------------------------------------|---------|-------------|--|---|
| | The Reserves at Eagl Aurora, Colorado | e roint Clubit | use | | | |
| Climate Zone: | 5b | | | | | |
| Project Type: | New Construction | | | | | |
| Vertical Glazing / Wall Area: | 14% | | | | | |
| vertical oldzing / Wall Area. | 1470 | | | | | |
| Construction Site: | Owner/Agent: | | Desi | gner/Contra | ictor: | |
| Stephen D. Hogen Pkwy and | Overland Property | Group | | n Lewis-Sm | | 100 1000 |
| Picadilly Rd Aurora, Colorado 80018 | | | | | ac Place, Suit nsas 66503 | e 201 |
| Additional Efficiency Pack | ama(s) | | | 5-587-8042 | 11303 00303 | |
| Credits: 10.0 Required 22.5 Propo- Reduced lighting power, 16.0 cre 10% cooling efficiency improvem 10% heating efficiency improvem | sed dit ent, 5.5 credit | | | | | |
| Building Area | | Floor | Area | | | |
| 1-Tenant use Clubhouse (Office) : N | Ionresidential | 4 | 980 | | | |
| Envelope Assemblies | | | | | | |
| Assembl | v | Gross Area | Cavity | Cont. | Proposed | Budget |
| | | or Perimeter | R-Value | R-Value | U-Factor | Factor |
| Floor: Unheated Slab-On-Grade, Ver Tenant use Clubhouse] (c) | tical 2 ft., [Bldg. Use 1 - | 337 | | 15.0 | 0.520 | 0.520 |
| Roof: Attic Roof, Wood Joists, [Bldg. Clubhouse] | Use 1 - Tenant use | 4980 | 49.0 | 0.0 | 0.021 | 0.021 |
| NORTH | | | | | | |
| Ext. Wall: Wood-Framed, 16in. o.c., | [Bldg. Use 1 - Tenant use | 1255 | 20.0 | 6.0 | 0.044 | 0.05 |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Wood, Swinging, [Bldg. Use 1 | - Tenant use Clubhouse] | 1255 54 | 20.0 | 6.0 | 0.044 | |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Wood, Swinging, [Bldg. Use 1 Door: Insulated Metal, Swinging, [Bl Clubhouse] | - Tenant use Clubhouse] | | 20.0 | 6.0 | | 0.370 |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Wood, Swinging, [Bldg. Use 1 Door: Insulated Metal, Swinging, [Bl | - Tenant use Clubhouse] dg. Use 1 - Tenant use pecs.: Product ID Cascade | 54 | | | 0.630 | 0.37 |
| Ext. Wall: Wood-Frammed, 16in. o.c., Clubhouse] Door: Wood, Swinging, [Bldg. Use I Door: Insulated Metal, Swinging, 18l Clubhouse] Window: Vinyl Frame: Fixed, Perf. Sy vinyl, Quaker Manchester Vinyl, SHC Tenant use Clubhouse] (b) | - Tenant use Clubhouse] dg. Use 1 - Tenant use pecs.: Product ID Cascade GC 0.38, [Bldg. Use 1 - | 54 21 195 | | | 0.630 0.370 0.360 | 0.370 0.370 0.360 |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Wood, Swinging, [Bldg. Use 1 Door: Insulated Metal, Swinging, [Bl Clubhouse] Window: Vinyl Frame: Fixed, Perf. S, vinyl, Quaker Manchester Vinyl, SHO Tenant use Clubhouse] (b) EAST Ext. Wall: Wood-Framed, 16in. o.c., | - Tenant use Clubhouse] dg. Use 1 - Tenant use pecs.: Product ID Cascade GC 0.38, [Bldg. Use 1 - | 54 21 | | | 0.630 0.370 | 0.370 0.370 0.360 |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Wood, Swinging, [Bldg. Use 1 Door: Insulated Metal, Swinging, [Bl Gubhouse] Window: Vinyl Frame: Fixed, Perf. S, vinyl, Quaker Manchester Vinyl, SHC Tenant use Clubhouse] Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Insulated Metal, Swinging, [Bl | - Tenant use Clubhouse] dg. Use 1 - Tenant use decs.: Product ID Cascade GC 0.38, [Bldg. Use 1 - [Bldg. Use 1 - Tenant use | 54 21 195 | | | 0.630 0.370 0.360 | 0.051 0.370 0.370 0.360 0.051 |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Wood, Swinging, [Bldg. Use 1 Door: Insulated Metal, Swinging, [Bl Clubhouse] Window: Vinyl Frame: Fixed, Perf. S; winyl, Quaker Manchester Vinyl, SH Tenant use Clubhouse] (b) EAST EXt. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Insulated Metal, Swinging, [Bl Clubhouse] Door: Insulated Metal, Garage door | - Tenant use Clubhouse] dg. Use 1 - Tenant use decs.: Product ID Cascade GC 0.38, [Bldg. Use 1 - [Bldg. Use 1 - Tenant use dg. Use 1 - Tenant use | 54 21 195 | | | 0.630 0.370 0.360 | 0.370 0.370 0.360 0.05 |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Mood, Swinging, [Bldg, Use 1 Door: Insulated Metal, Swinging, [Bl Clubhouse] Window: Vinyl Frame: Fixed, Perf. S winyl, Quaker Manchester Vinyl, SHC Tenant use Clubhouse] (b) EAST Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] | - Tenant use Clubhouse] dg. Use 1 - Tenant use secs.: Product ID Cascade IC 0.38, [Bldg. Use 1 - [Bldg. Use 1 - Tenant use dg. Use 1 - Tenant use dg. Use 1 - Tenant use 14% glazing, [Bldg. Use 1 - secs.: Product ID Cascade | 54 21 195 649 48 | 20.0 | 6.0 | 0.630 0.370 0.360 0.044 0.370 | 0.370 0.370 0.360 0.051 |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Wood, Swinging, [Bldg, Use 1 Door: Insulated Metal, Swinging, [Bl Clubhouse] Window: Vinyl Frame: Fixed, Perf. S winyl, Quaker Manchester Vinyl, SHC Tenant use Clubhouse] (b) EAST Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Insulated Metal, Swinging, [Bl Clubhouse] Door: Insulated Metal, Garage door Tenant use Clubhouse] Window: Vinyl Frame: Fixed, Perf. Se Window: Vinyl Frame: Fixed, Perf. SH Window: Vinyl Frame: Fixed, Perf. SH Window: Vinyl Frame: Fixed, Perf. SH | - Tenant use Clubhouse] dg. Use 1 - Tenant use secs.: Product ID Cascade IC 0.38, [Bldg. Use 1 - [Bldg. Use 1 - Tenant use dg. Use 1 - Tenant use dg. Use 1 - Tenant use 14% glazing, [Bldg. Use 1 - secs.: Product ID Cascade | 54 21 195 649 48 64 | 20.0 | 6.0 | 0.630 0.370 0.360 0.044 0.370 | 0.370 0.370 0.360 0.05 0.370 |
| Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Mood, Swinging, [Bldg, Use I Door: Insulated Metal, Swinging, I Bld Clubhouse] Clubhouse] Window: Vinyl Frame: Fixed, Perf. Sy vinyl, Quaker Manchester Vinyl, SHC Tenant use Clubhouse] (b) EAST Ext. Wall: Wood-Framed, 16in. o.c., Clubhouse] Door: Insulated Metal, Swinging, [Bl Clubhouse] Door: Insulated Metal, Garage door Tenant use Clubhouse] Window: Vinyl Frame: Fixed, Perf. Sy vinyl, Quaker Manchester Vinyl, SHC Tenant use Clubhouse] | - Tenant use Clubhouse] dg. Use 1 - Tenant use becs.: Product ID Cascade sc 0.38, [Bldg. Use 1 - [Bldg. Use 1 - Tenant use dg. Use 1 - Tenant use dg. Use 1 - Tenant use 14% glazing, [Bldg. Use 1 - becs.: Product ID Cascade sc 0.38, [Bldg. Use 1 - | 54 21 195 649 48 64 | 20.0 | 6.0 | 0.630 0.370 0.360 0.044 0.370 0.370 | 0.37/ 0.36/ 0.05 0.37/ 0.31/ |

COMcheck Software Version COMcheckWeb
Inspection Checklist
Energy Code: 2021 IECC

is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided. Section # Plan Review Complies? Comments/Assumptions & Req.ID

Requirements: 100.0% were addressed directly in the COMcheck software

exceptions to the standard are claimed.

| Applicable claimed.
| Plans, specifications, and/or claimed for the metchanical and service water heating systems and document where exceptions to the standard are claimed. Load een minimum to the standard are claimed. Load electrical systems and electrical systems and electrical systems and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior in the standard are claimed. Information provided should include interior in the standard are claimed. Information provided should include interior in the standard are claimed. Information provided should include interior in the standard are claimed. Information provided evices.

| Comples | Requirement will be met. | Does Not | Do

area. Short Observable Not Observable Not Applicable

C402.4.1 The skylight area <= 3 percent of the Compiles Requirement will be met. Springer Spr

Project Title: The Reserves at Eagle Point Clubhouse

COMcheck Software Version COMcheckWeb Envelope Compliance Certificate

Energy Code:

| Assembly | | Gross Area or Perimeter | Cavity R-Value | Cont. R-Value | Proposed U-Factor | Budget U- Factor(s) |
|--|---|-------------------------------|-------------------|------------------|----------------------|------------------------|
| Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. | Use 1 - Tenant use | 1121 | 20.0 | 6.0 | 0.044 | 0.051 |
| Clubhouse] Door: Insulated Metal, Swinging, [Bldg. Us | e 1 - Tenant use | 224 | | | 0.370 | 0.370 |
| Clubhouse] Window: Vinyl Frame: Fixed, Perf. Specs.: vinyl, Quaker Manchester vinyl, SHGC 0.3 Tenant use Clubhouse] (b) | Product ID Cascade 8, [Bldg. Use 1 - | 183 | | | 0.360 | 0.360 |
| <u>WEST</u> Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Clubhouse] | | 649 | 20.0 | 6.0 | 0.044 | 0.051 |
| Window: Vinyl Frame: Fixed, Perf. Specs.: vinyl, Quaker Manchester vinyl, SHGC 0.3 Tenant use Clubhouse] (b) | Product ID Cascade 8, [Bldg. Use 1 - | 143 | | | 0.360 | 0.360 |
| (b) Fenestration product performance n (c) Slab-On-Grade proposed and budge Envelope PASSES: Design 0.3% better Envelope Compliance Stateme Compliance Statement: The proposed env | t U-factors shown in ta r than code ent relope design represen | ble are F-factors | ment is co | nsistent witl | h the building | ı plans, |
| specifications, and other calculations subn designed to meet the 2021 IECC requirem mandatory requirements listed in the Insp | nitted with this permit ents in COMcheck Vers | application. The | proposed | envelope sy | ystems have I | been |
| Name - Title | Signature | | | | Date | |
| | | | | | | |
| | | | | | | |

Section # Plan Review Complies? & Req.ID

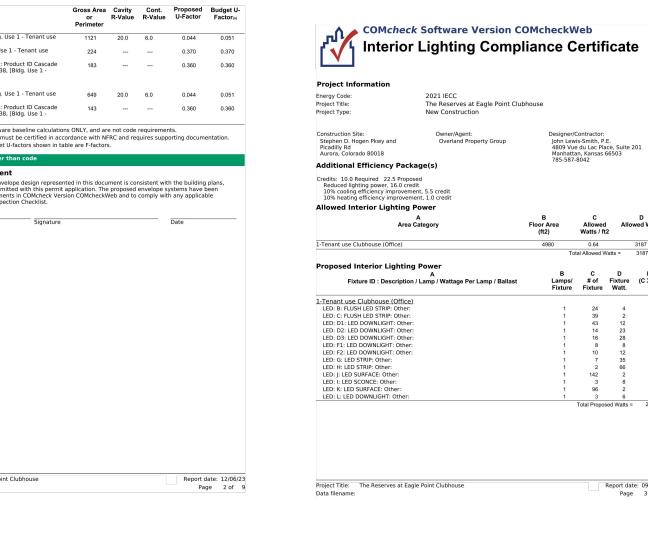
Plan Review Compiles? Comments/Assumptions

6. Req.ID

C402.4.2 In enclosed spaces > 2,500 ft.2 directly under a roof with ceiling heights > 15 ft. and used as an office, tobby, artium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-edictribution devices and the store, distribution of center, automotive service, manufacturing, non-edictribution devices are center, automotive service, manufacturing, non-edictribution, and contents are center, automotive service, manufacturing, non-edictribution, and contents are center, and conte

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

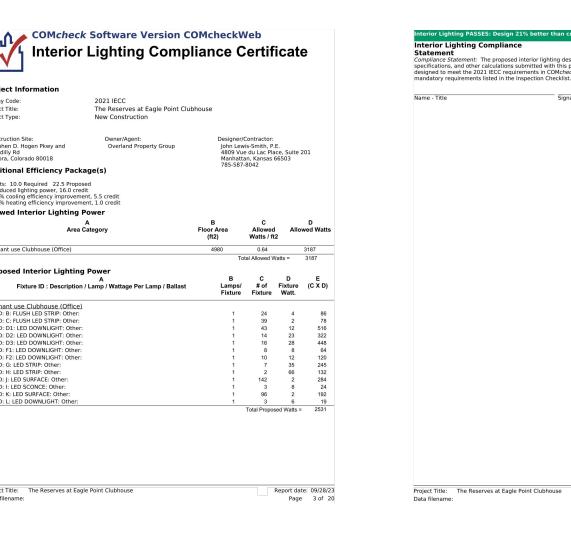
Project Title: The Reserves at Eagle Point Clubhouse

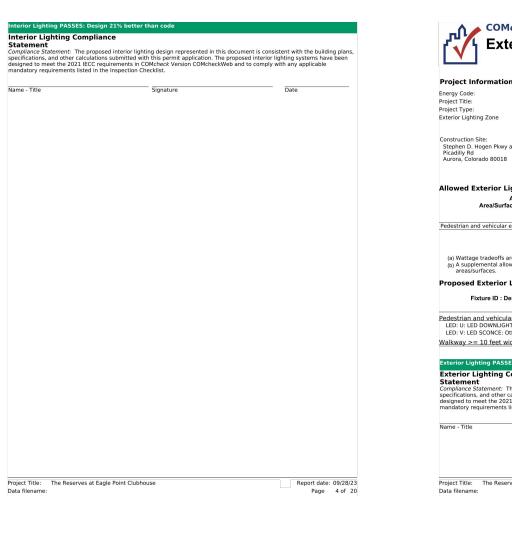


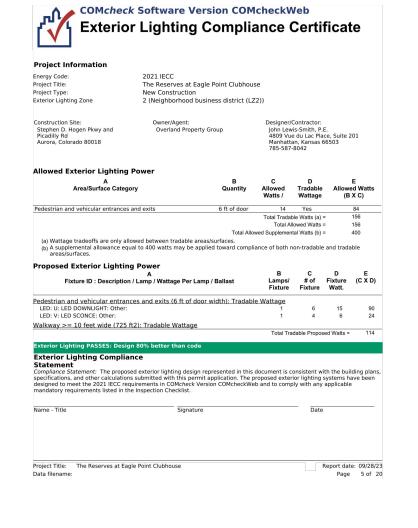
Footing / Foundation Inspection Complies?

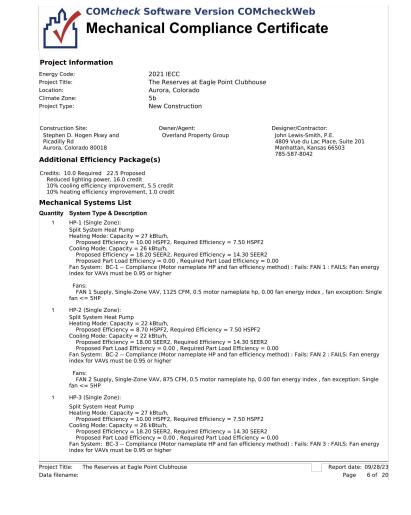
C303.2 Slab edge insulation installed per manufacturer's instructions. Complies Requirement will be met.

| God | For | For









| | on | |
|--|--|--|
| Fans: FAN 3 Supply, Single-Zor fan <= 5HP | ne VAV, 1125 CFM, 0.5 motor nameplate hp, | 0.00 fan energy index , fan exception: Sing |
| Proposed Efficiency = 10 Cooling Mode: Capacity = 2 Proposed Efficiency = 18 | 0.00 HSPF2, Required Efficiency = 7.50 HSPF 26 kBtu/h, 3.20 SEER2. Required Efficiency = 14.30 SEE | R2 |
| Proposed Part Load Effic Fan System: BC-4 Comp index for VAVs must be 0.9 | iency = 0.00, Required Part Load Efficiency liance (Motor nameplate HP and fan efficienc | = 0.00 |
| FAN 4 Supply, Multi-Zone fan <= 5HP | e VAV, 1125 CFM, 0.5 motor nameplate hp, 0 | .00 fan energy index , fan exception: Singl |
| Electric Storage Water Hea | ter, Capacity: 40 gallons w/ Circulation Pump equirement applies | |
| nical Compliance Sta | tement | |
| ions, and other calculations s to meet the 2021 IECC requi | submitted with this permit application. The parements in COMcheck Version COMcheckWel | roposed mechanical systems have been |
| tie | Signature | Date |
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| | HP-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = Proposed Efficiency = 10 Cooling Mode: Capacity = Proposed Efficiency = 18 Proposed Fficiency = 18 Fans: FAN 4 Supply, Multi-Zone fan <= 5HP HWH: Electric Storage Water Hea No minimum efficiency in Mical Compliance Sta Le Statement: The proposed ons, and other calculations s to meet the 2021 IECC requi y requirements listed in the I | HP-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 27 kBtu/h, Proposed Efficiency = 10.00 HSPF2. Required Efficiency = 7.50 HSPF Cooling Mode: Capacity = 26 kBtu/h, Proposed Efficiency = 18.20 SEER2, Required Efficiency = 14.30 SEE Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency Fan System: BC-4 - Compliance (Motor nameplate HP and fan efficiency fan System: BC-4 - Compliance (Motor nameplate HP and fan efficiency fan System: BC-4 - Compliance (Motor nameplate HP and fan efficiency fan System: BC-4 - Compliance (Motor nameplate HP and fan efficiency fan System: BC-4 - Compliance (Motor nameplate HP and fan efficiency fan System: BC-4 - Compliance (Motor nameplate HP and fan efficiency nam |





PIC 0 2

10/2/2021

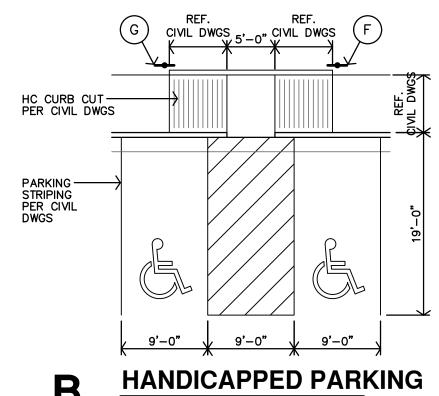
REVISION:

DATE: 12-5-2023 22-3219 JOB: SHEET NO.:

EN3

| | I LAN KET NOTEO |
|------------|--|
| A | MONUMENT SIGN REF. SHEET A1.3 |
| В | KNOX BOX COORD. W/ FIRE DEPT. (TYP) |
| 0 | MECH. CLOSET REF. & COORDINATE W/ M/E DRAWINGS (TYP) |
| <u>(a)</u> | HC TRASH ENCLOSURE REF. SHEET A1.4 |
| E | DASHED LINE INDICATES ACCESSIBLE PATH |
| F | NEW POLE MOUNTED H.C. PARKING SIGN MOUNT BTM. OF SIGN @ 60"A.F.F. (TYP) |
| (G) | NEW POLE MOUNTED H.C. "VAN" PARKING SIGN MOUNT BTM. OF SIGN @ 60"A.F.F. (TYP) |
| (Ξ) | PAINTED STRIPPING @ ACCESSIBLE ROUTE |
| <u></u> | BIKE RACK — 2 BIKES PER RACK. REF. SPEC. & DETAILS K,L/A1.3 |
| K | 72" HEIGHT BLACK SECURITY FENCE ALONG FULL LENGTH OF SOUTHERN PROPERTY LINE. REF. H/A1.4 |
| (L) | PLAYGROUND — (1) BUMP SLIDE & (1) SWING SET. REF. ENLARGED PLAN ON SHEET A1.3 |
| M | CONCRETE PAVER PLAZA. REF. EAGLE RIDGE DEVELOPMENT GUIDELINES & G/A1.4 |
| (Z) | BENCH - (10) PARK BENCHES REF. J/A1.3 |
| P | TRASH RECEPT. — (3) TRASH RECEPTACLE PER MASTER PLAN GUIDELINES REF. A1.3 |
| (a) | MONUMENT SIGN — DESIGN PER EAGLE RIDGE MASTER PLAN |

CONC. SLOPE ACROSS SLABS NO MORE THAN 2% (1/8" PER 12") OVER 4"thick GRANULAR FILL (MIN.) COMPACTED OVER SUBGRADE, PREP PER



PARKING SUMMARY

| 2021 IBC - CODE F | REQUIRED | |
|-------------------|--------------------|-----|
| TOTAL STALLS | | 203 |
| STALLS PER ZONING | .85/DWELLING UNIT | 164 |
| GUEST STALLS | 1/5 DWELLING UNITS | 39 |
| ACCESSIBLE STALLS | IBC CH. 11 | 14 |

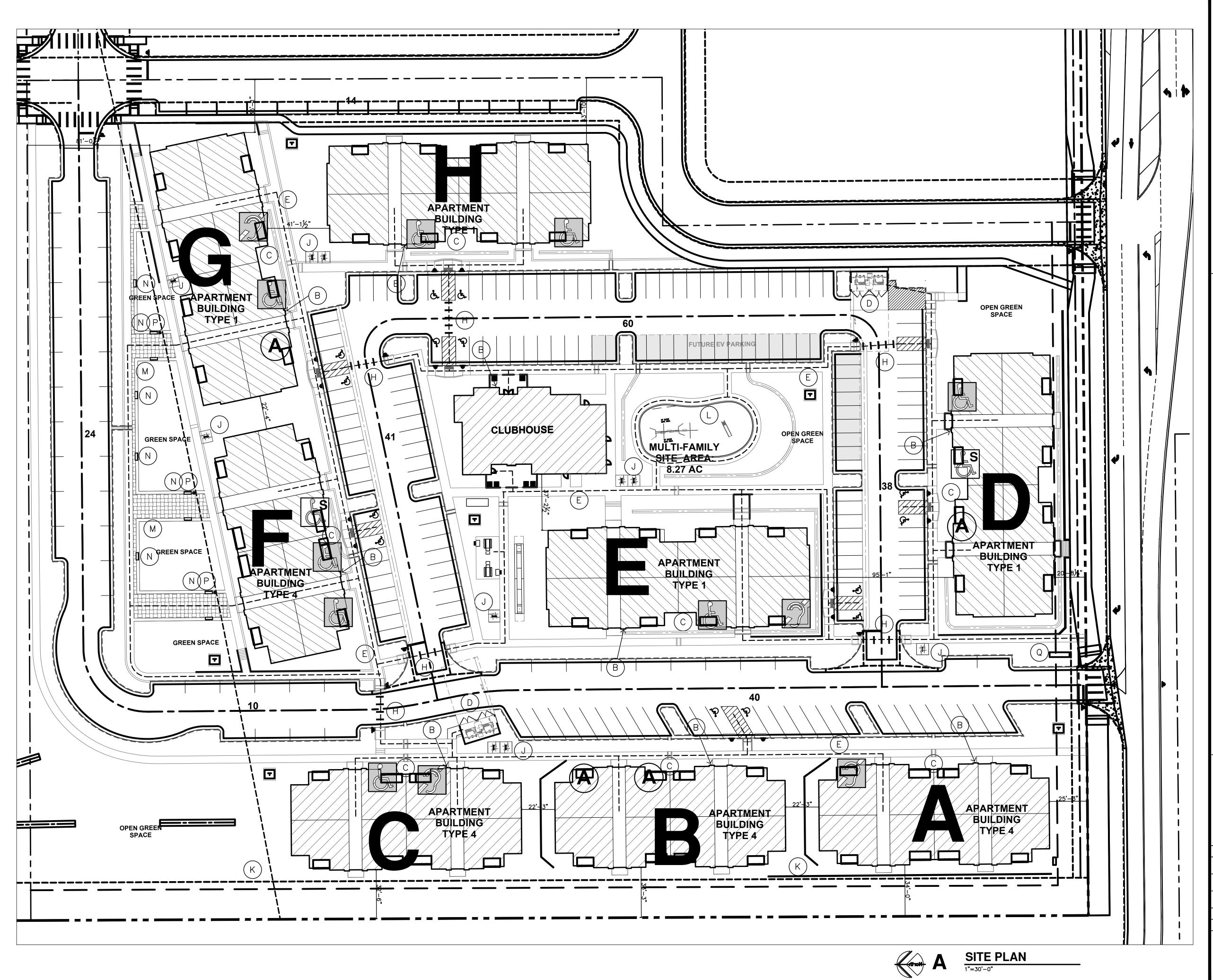
| MODEODIBLE OTTLED | bo on. II | |
|-----------------------------|-----------|------|
| | | |
| PROVIDED | | |
| TOTAL STALLS | | 227 |
| STANDARD STALLS | | 174 |
| GUEST STALLS | | 39 |
| ACCESSIBLE STALLS | | 14 |
| PARKING RATIO (STALLS/UNITS | S) | 1.18 |
| BICYCLE PARKING SPACES | | 20 |
| | | |

PARKING MEETS ZONING REQ'S. .85/DWELLING UNIT = 163.2 LOT COVERAGE

| SITE ACRES | SITE SQUARE FOOT | BLDG COVERAGE (GSF FOOTPRINT) | LOT COVERAGE |
|---------------|---------------------|-------------------------------------|-----------------|
| 8.26 ACRES | 360,083 sf | 80,848 sf | 22.40% |

UNIT SUMMARY

| UNIT LABEL | UNIT TYPE | TOTAL NO. of UNITS |
|---------------|---------------|--------------------|
| Α | 1-BED, 1-BATH | 48 |
| В | 2-BED, 2-BATH | 96 |
| С | 3-BED, 2-BATH | 48 |
| TOTAL | | 192 |



415 NORTH PICA

12-5-2023 22–3219 SHEET NO.:

A1.1

| BUILDING LABEL | BUILDING TYPE | UNIT LABEL | BUILDING SQUARE FOOT | NO. of BUILDINGS | TOTAL PROJECT SF | GROSS PROJECT SF |
|--------------------|---------------------------|---------------|-------------------------------|---------------------|---------------------------------|---------------------|
| CLUBHOUSE | CLUBHOUSE | | HTD 4,980 sf | 1 | HTD 4,980 sf | 4,980 SF |
| APT BLDG Type 1 | 3 FLOORS 12–2BR,12–3BR | B,C | HTD 27,408 sf UNH 4,982 sf | 4 | HTD 109,632 sf UNH 19,928 sf | 129,560 sf |
| APT BLDG Type 4 | 3 FLOORS 12–1BR,12–2BR | A , B | HTD 22,656 sf UNH 5,318 sf | 4 | HTD 90,624 sf UNH 21,272 sf | 111,896 sf |
| TOTAL | | | | 9 | | 246,436 sf |

UN-HEATED of INCLUDES: MECHANICAL CLOSETS, EXTERIOR STORAGE, PATIOS, BALCONIES, & BREEZEWAYS

APARTMENT BUILDINGS TYPE 1 SUMMARY

FIRST FLOOR

| UNIT LABEL | UNIT TYPE | HEATED SF PER UNIT | UNITS PER FLOOR | HEATED SF PER FLOOR |
|---------------|--------------------------------|-----------------------|--------------------|------------------------|
| В | 2-BED, 2-BATH 1,059 sf | | 4 | 4, 236 sf |
| С | 3-BED, 2-BATH | 1,225 sf | 4 | 4, 900 sf |
| TOTAL | | 8 | 9,136 sf | |
| UNIT LABEL | UNIT TYPE | UN-HTD SF PER UNIT | UNITS PER FLOOR | UN-HTD SF PER FLOOR |
| _ | | | | |
| В | 2-BED, 2-BATH | 214 sf | 3 | 642 sf |
| В | 2-BED, 2-BATH 2-BED, 2-BATH | 214 sf 201 sf | 3 1 | 642 sf 228 sf |
| | | 201 sf | 3 1 | |
| | 2-BED, 2-BATH | 201 sf | 3 1 4 | |

| SECOND | FLOOR |
|--------|--------------|

| UNIT LABEL | UNIT TYPE | HEATED SF PER UNIT | UNITS PER FLOOR | HEATED SF PER FLOOR |
|---------------|---------------|-----------------------|--------------------|------------------------|
| 2B | 2-BED, 2-BATH | 1,059 sf | 4 | 4,236 sf |
| 3B | 3-BED, 2-BATH | 1,225 sf | 4 | 4, 900 sf |
| TOTAL | | 8 | 9,136 sf | |
| | | | | |
| UNIT LABEL | UNIT TYPE | UN-HTD SF PER UNIT | UNITS PER FLOOR | UN-HTD SF PER FLOOR |
| | | | | |
| LABEL | TYPE | PER UNIT | FLOOR | PER FLOOR |

THIRD FLOOR

| UNIT LABEL | UNIT TYPE | HEATED SF PER UNIT | UNITS PER FLOOR | HEATED SF PER FLOOR |
|---------------|---------------|-----------------------|--------------------|------------------------|
| В | 2-BED, 2-BATH | 1,058 sf | 4 | 4,236 sf |
| С | 3-BED, 2-BATH | 1,225 sf | 4 | 4,900 sf |
| TOTAL | | 8 | 9,136 sf | |
| | | | | |
| UNIT LABEL | | UN-HTD SF PER UNIT | UNITS PER FLOOR | UN-HTD SF PER FLOOR |
| | | | | |
| LABEL | TYPE | PER UNIT | FLOOR | PER FLOOR |

SUMMARY

| | HEATED SF PER FLOOR | UN-HTD SF PER FLOOR | TOTAL SF PER BUILDING |
|-----------------|------------------------|------------------------|--------------------------|
| FIRST FLOOR | 9,136 sf | 1,670 sf | 10,806 sf |
| SECOND FLOOR | 9,136 sf | 1,656 sf | 10,792 sf |
| THIRD FLOOR | 9,136 sf | 1,656 sf | 10,792 sf |
| TOTAL | 27,408 sf | 4,982 sf | 32,390 sf |
| LIN HEATED of H | VOLUDES, MESU | ANICAL CLOCETS | EVTEDIAD STAE |

UN-HEATED of INCLUDES: MECHANICAL CLOSETS, EXTERIOR STORAGE, PATIOS, BALCONIES, & BREEZEWAYS

APARTMENT BUILDINGS TYPE 4 SUMMARY

FIRST FLOOR

| UNIT LABEL | UNIT TYPE | HEATED SF PER UNIT | UNITS PER FLOOR | HEATED SF PER FLOOR |
|---------------|-------------------|-----------------------|--------------------|------------------------|
| Α | 1-BED, 1-BATH | 829 sf | 4 | 3,316 sf |
| В | 2-BED, 2-BATH | 1,059 sf | 4 | 4,236 sf |
| TOTAL | | 8 | 7,552 sf | |
| | Ť | | | |
| UNIT LABEL | UNIT TYPE | UN-HTD SF PER UNIT | UNITS PER FLOOR | UN-HTD SF PER FLOOR |
| Α | 1-BED, 1-BATH | 231 sf | 2 | 462 sf |
| Α | 1-BED, 1-BATH | 218 sf | 1 | 218 sf |
| Α | 1-BED, 1-BATH | 195 sf | 1 | 222 sf |
| | MECHANICAL CLOSET | 27 sf | | |
| В | 2-BED, 2-BATH | 214 sf | 4 | 856 sf |
| נ | , | | | |

SECOND FLOOR

| UNIT LABEL | UNIT TYPE | HEATED SF PER UNIT | UNITS PER FLOOR | HEATED SF PER FLOOR |
|---------------|---------------|-----------------------|--------------------|------------------------|
| Α | 1-BED, 1-BATH | 829 sf | 4 | 3,316 sf |
| В | 2-BED, 2-BATH | 1,059 sf | 4 | 4,236 sf |
| TOTAL | | 8 | 7,552 sf | |
| UNIT | UNIT | UN-HTD SF | UNITS PER | UN-HTD SF |
| LABEL | TYPE | PER UNIT | FLOOR | PER FLOOR |
| | ~ | PER UNIT 231 sf | FLOOR 4 | PER FLOOR 924 sf |
| LABEL | TYPE | | | |

THIRD FLOOR

| UNIT LABEL | UNIT TYPE | HEATED SF PER UNIT | UNITS PER FLOOR | HEATED SF PER FLOOR |
|---------------|---------------|-----------------------|--------------------|------------------------|
| Α | 1-BED, 1-BATH | 829 sf | 4 | 3,316 sf |
| В | 2-BED, 2-BATH | 1,059 sf | 4 | 4,236 sf |
| TOTAL | | 8 | 7,552 sf | |
| | | | | |
| | | | l | |
| UNIT LABEL | UNIT TYPE | UN-HTD SF PER UNIT | UNITS PER FLOOR | UN-HTD SF PER FLOOR |
| | | | | |
| LABEL | TYPE | PER UNIT | FLOOR | PER FLOOR |

SUMMARY

| | HEATED SF PER FLOOR | UN-HTD SF PER FLOOR | TOTAL SF PER BUILDING |
|--------------|------------------------|------------------------|--------------------------|
| FIRST FLOOR | 7,552 sf | 1,758 sf | 9,310 sf |
| SECOND FLOOR | 7,552 sf | 1,780 sf | 9,332 sf |
| THIRD FLOOR | 7,552 sf | 1,780 sf | 9,332 sf |
| TOTAL | 22,656 sf | 5,318 sf | 27,974 sf |

UN-HEATED of INCLUDES: MECHANICAL CLOSETS, EXTERIOR STORAGE, PATIOS, BALCONIES, & BREEZEWAYS

COLORADO HOUSE BILL 03-1221

192 TOTAL UNITS = REQUIRED 84

UNITS # POINTS

14 (x6 points) 84

50 (x1 points) 50

UNITS TYPES

TYPE-B VISITABLE TOTAL POINTS PROVIDED

TYPE-A

NOTE: UNIT NUMBERS SHOWN ARE FOR CONSTRUCTION PURPOSES ONLY & DO NOT ADARTMENT CHART

| APARIMENI CHA | KI | REFLECT | FINAL UNI | T NUMBERIN | IG/LETTERIN | IG. | | | |
|---|--------|---------------|-----------|-------------|-------------|---------------|--------|---------------|-------|
| TYPE OF APARTMENT | BLDG A | BLDG B | BLDG C | BLDG D | BLDG E | BLDG F | BLDG G | BLDG H | TOTAL |
| ACCESSIBLE UNITS (W/ REMOVEABLE TUB SEAT) | | | C105 | D101 | E105 | F101, F103 | G103 | H103, H107 | 8 |
| ACCESSIBLE UNITS (ROLL-IN SHOWER) | | | | D103 | | F105 | | | 2 |
| HEARING/VISION IMPAIRED & ADAPTABLE UNITS | A107 | | C103 | | E107 | | G105 | | 4 |
| TYPE-A UNITS (A) | | B105, B107 | | D105 | | | G101 | | 4 |
| TYPE-B UNITS | | _ | REM | AINING FIRS | T FLOOR U | NITS | _ | | 46 |
| STANDARD UNITS | | | ALL SE | COND & T | HIRD FLOOR | UNITS | | | 128 |
| TOTAL | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 192 |
| | | | | | | | | | |

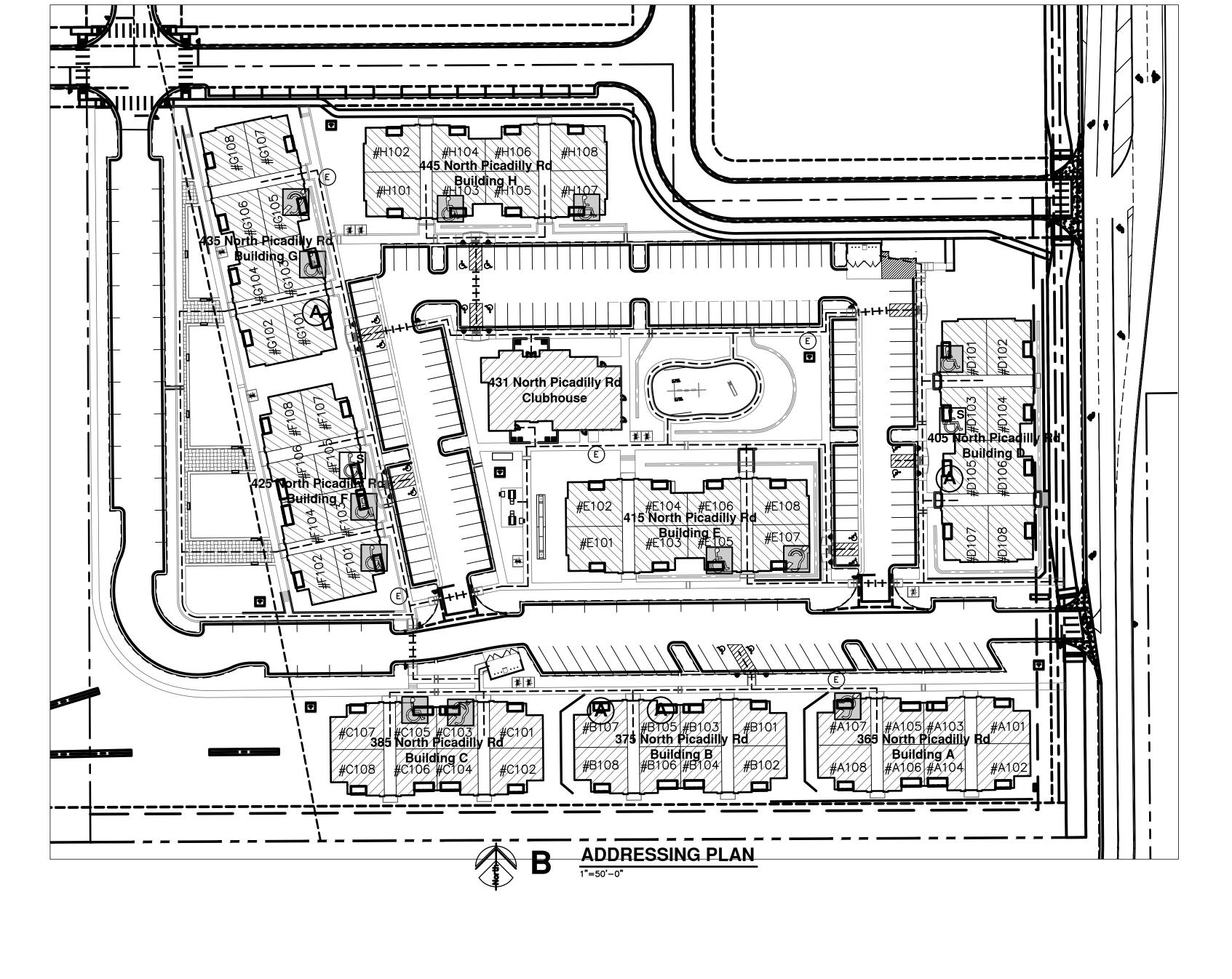
C105 – 1BED ACCESSIBLE F103 – 1BED ACCESSIBLE F101 – 2BED ACCESSIBLE

E105 – 2BED ACCESSIBLE G103 – 2BED ACCESSIBLE H103 – 2BED ACCESSIBLE

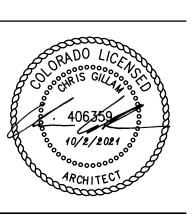
D101 - 3BED ACCESSIBLE H107 - 3BED ACCESSIBLE

F105 – 1BED ACCESSIBLE (ROLL-IN)
D103 – 2BED ACCESSIBLE (ROLL-IN)

C103 – 1BED HEARING/VISION
B105 – 1BED TYPE-A
A107 – 2BED HEARING/VISION
G105 – 2BED HEARING/VISION
E107 – 3BED HEARING/VISION
G101 – 3BED TYPE-A E107 - 3BED HEARING/VISION



415 NORTH



12-5-2023 22-3219 SHEET NO.:

F105 - 1BED ACCESSIBLE (ROLL-IN)

D103 - 2BED ACCESSIBLE (ROLL-IN)

F103 - 1BED ACCESSIBLE

F101 - 2BED ACCESSIBLE

E105 - 2BED ACCESSIBLE

G103 - 2BED ACCESSIBLE

H103 - 2BED ACCESSIBLE D101 - 3BED ACCESSIBLE H107 - 3BED ACCESSIBLE

C103 - 1BED HEARING/VISION

A107 - 2BED HEARING/VISION

G105 - 2BED HEARING/VISION

E107 - 3BED HEARING/VISION

B107 - 2BED TYPE-A

D105 - 2BED TYPE-A

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REVISION: REV: 11-20-2023

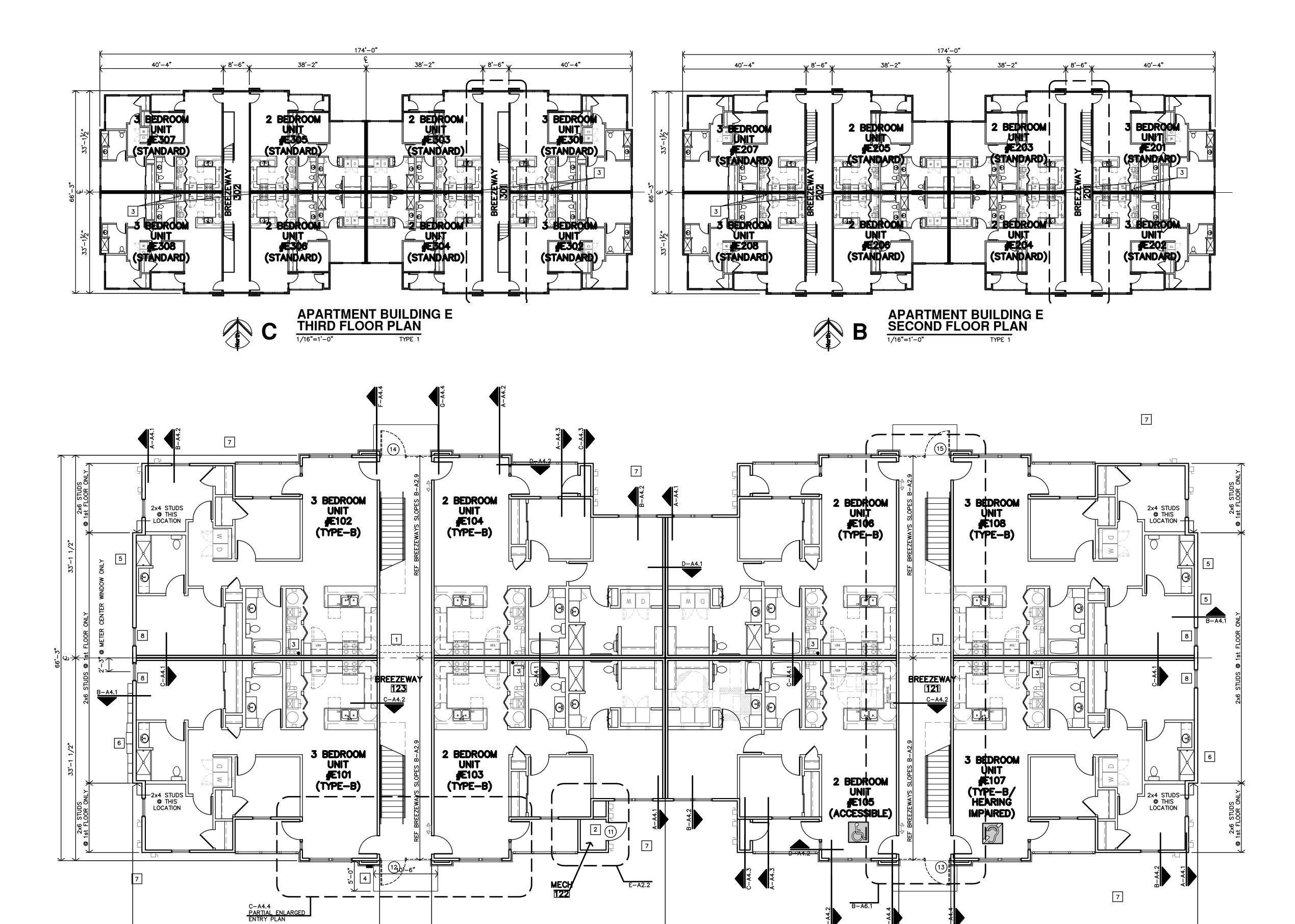
10-2-2023 22-3219 SHEET NO .:

A2.0

40'-4"

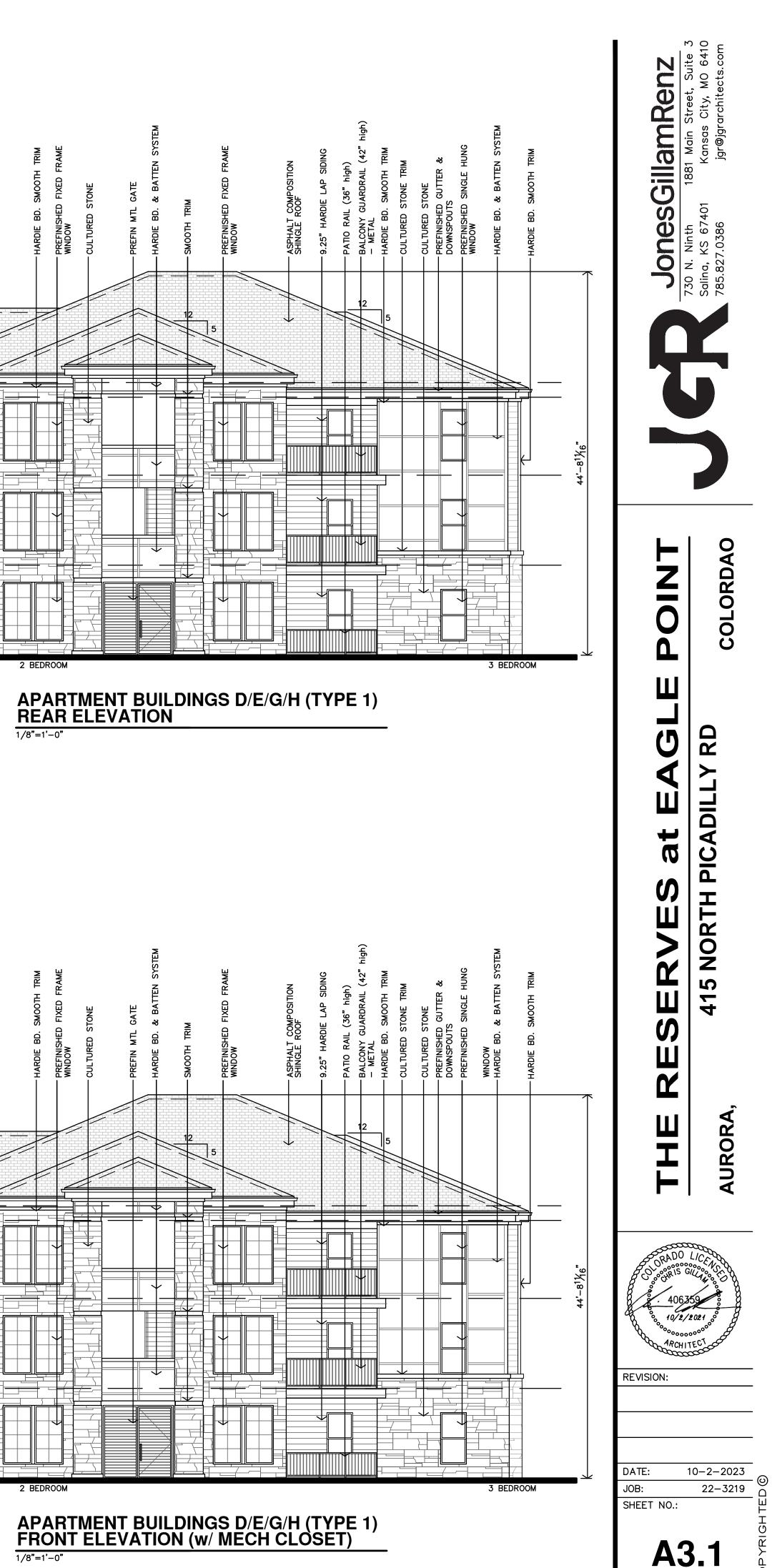
10-2-2023 22–3219 O SHEET NO.:

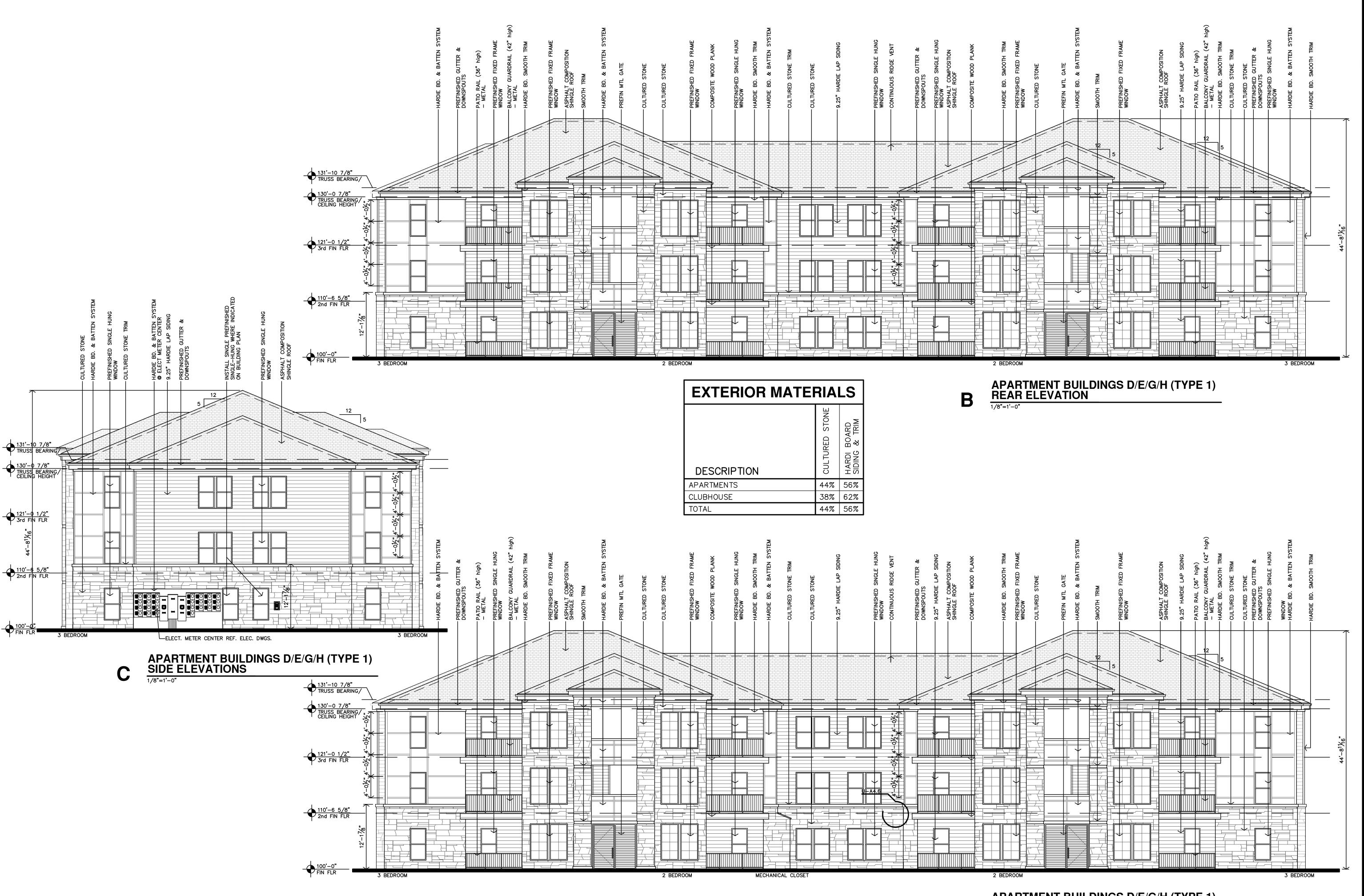
A2.15



174⁶-0"

40'-4"





A3.1

- All design and construction work for this project shall conform to the requirements of the 2021 International Building Code, as amended by the City of Aurora, Colorado.
- These drawings are for this specific project and no other use is

Structural Design Load Criteria:

direction before proceeding.

A. Dead Load: = 20 psf B. Live Load: Floors = 40 psf

Maintenance Platform = 40 psf Pq = 40 psf, Ce = 1.0

Pf = 28 psf, Ps = 28 psf, Pm = 20 sf ls = 1.0, Cs = 1.0, Ct = 1.0 Drift & unbalanced snow loads per ASCE/SEI 7-16

D. Lateral Loads: 1.) Wind \vee = 115 mph, exposure B. GCpi = +/- 1.08 Design wind pressures to be used for the deison of exterior components and cladding materials on the designated zones of walls and roof structures shall be per Section 30.7 and Table 30.7-2 of ASCE/SEI 7-16. . Tabulated pressures shall be multiplied by effective are reduction factors, exposure adjustment factors, and topographic factors where applicable.

2.) Seismic = Ss = 0.188, SI = 0.054, IE = 1.0 Site Classification D. Seismic Design Category B. Basic Seismic Force-Resisting System A.17- Light-Framed Walls with Shear Panels of

2021 International Building Code.

All Other Materials R=2, Omega = 2 1/2, Cd = 2, V= 0.100*W This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the

A. All concrete for foundations (walls, grade beams, and footings) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds

of cement and not over 4 inches of slump. B. All concrete for interior flat work shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 560 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5 gallons of water per 100 pounds of cement and not over 4 inches of

Concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.

water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved

. The preceding minimum mix requirements may have

The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.

All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.

G. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement. Construction joints in beams, slabs, and grade beams shall occur

at midspan (middle third) unless noted otherwise. Provide 2×4 horizontal keys at construction joints for shear transfer. No aluminum items shall be embedded in any concrete.

Reinforcing Steel:

A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of

B. Clear minimum coverage of concrete over reinforcing steel shall be as follows: Concrete placed against earth Formed concrete against earth

All coverage shall be nominal bar diameter minimum. C. All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 30" minimum unless noted otherwise).

D. At corners of all walls, beams, and grade beams supply corner bars (minimum 2'-6" in each direction or 48 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner

Bars marked continuous shall be lapped 48 bar diameters (3'-0" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise. Accessories shall be as specified in latest edition of the

ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.

G. All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way.

8. Structural Steel:

A. All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel. Hollow Structural Sections (HSS) shall be ASTM A500, grade B. Fabrication and erection shall be in accordance with AISC 303-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 13th Edition of the AISC Steel Construction

B. All welding shall conform to the recommendations of the AMS. C. All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N). All bolts shall be fully pretensioned. All beam connections shall be designed per the AISC Manual of Steel Construction "Framed Beam Connections" for 40 kip reactions, and, shall account for eccentricity when the bolt line is more than 2" from the center of the support. All connections must be two bolt minimum.

D. All anchor bolts shall be 3/4" diameter, ASTM F1554, Grade 36 unless noted otherwise.

Foundations:

A. The soil investigation was prepared by Cole Garner Geotechnical, the report number is 23,22,006 and their telephone number is 303-996-2999.

be at the owner's expense.

B. Spread footings and continuous wall footings are designed to bear on soil capable of safely sustaining 2500 psf.

C. Contractor shall provide for dewatering at excavations from either surface water or seepage. D. All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer,

prior to placement of steel or concrete. This inspection shall

E. Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions. recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.

10. Concrete Block Masonry

A. Concrete block used in exterior walls or load bearing walls shall meet the requirements of ASTM C90 and have a minimum net compressive strength of 2150 psi and laid up using type N mortar such that I'm equals 1500 psi. Mortar shall be volume proportion based cement lime mortar. Proportioning shall be completed by box measure. Any block in contact with earth shall be normal weight units, laid using type "5" mortar and grouted

B. The contractor shall provide adequate temporary bracing for all masonry walls during construction. C. All concrete block shall have 9 gage (or larger) horizontal joint

reinforcing (ladder or truss) per architectural drawings and specifications (16" maximum vertical spacing) D. Concrete block shall be reinforced as follows in 8" walls unless

noted otherwise: 1.) Vertical reinforcing shall be a minimum of 1 - #4 bar in 8" walls at 4'-0" on center, at each corner, at each door and window jamb, each side of control joints and in the end void of each length of wall. Lap splices for masonry vertical reinforcing shall be 48 bar diameters or 24" minimum.

Horizontal reinforcing: A.) Horizontal joint reinforcing as noted above. B.) Continuous horizontal bars shall be included per section or detail in bond beam or optional running bond beam where noted. Where bond beams are continuous at corners of walls, supply corner bars matching size of horizontal bars (minimum 2'-0" or 40 bar diameters in each direction).

E. Grout, where noted above, shall have a minimum design ultimate compressive strength of 2500 psi at 28 day test and 3/8" maximum aggregate size.

F. Lintels over all openings in walls not otherwise covered shall be an $8" \times 8"$ bond beam with 2 - #6 bars in the bottom of the

Post-Installed Anchors:

A. Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post-installed

B. Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES ACI93. All anchors shall be installed per the anchor manufacturer's written instructions.

Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.

Timber and Wood Framing:

A. Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the 2021 International Building Code.

B. All studs and top and bottom plates shall be Douglas Fir No. 2 grade visually graded lumber, with an allowable fiber stress in bending of 900 psi minimum and an elastic modulus of 1,600,000 psi unless noted otherwise. All joist, truss members and headers to be No. 2 grade (min.) (unless noted otherwise).

C. Bridging of stud bearing walls and shear walls shall be solid, matching sheathing joints.

D. Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps. Spacing, in any case, shall not exceed 8'-0".

Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.9.1 of the 2021 International Building Code. Floor sheathing shall be APA rated tongue and groove Sturd-I-Floor, exposure I, glued and nailed with 10d nails or # 10 screws at 6" on center to supports at edges and 12" on center field. Sheathing of shear walls or roof diaphragms shall be edge nailed with 8d common nails at 6" on center and nailed to intermediate framing and/or blocking members with 8d common nails at 12" on center

unless otherwise noted on the drawings. F. Sill plates shall be bolted to concrete slabs with ½" diameter bolts at 32" on center (UNO, Re: shearwall sched). Provide plate washers at sill plate anchors for shearwalls per shearwall sched. Plates in direct contact with concrete or masonry shall be treated lumber.

G. All hangers, ties and connections shown are based on Simpson Strong Tie as the basis of design, provide Simpson Strong Tie or an approved equal. Joist hangers shall be equal to "LUS" for wood application and "LB" for steel weld-on application. Roof truss ties shall be equal to "H2.5A" and tie the roof truss to the top plate (provide (2) "H2.5A" Diagonally across from each other when uplift load shown in truss shop submittal exceeds 600lbs). Roof girder ties shall be equal to a "LGT2", "LGT3" or "LGT4" tie (dependent on number of plies) and tie the truss girder to the top plate. Provide "H4" at the top of each stud to top track when the top track has roof truss attached.

H. Service condition - dry with moisture content at or below 19% in service. I. Laminated strand lumber (LSL) shall have an allowable flexural stress (Fb) of 1,700 psi (reduced by size factor) and an elastic

modulus (E) of 1,300,000 psi. J. Laminated veneer lumber (LVL) shall have an allowable flexural stress (Fb) of 2,600 psi (reduced by size factor) and an elastic modulus (E) of 1,900,000 psi.

K. Parallel Strand Lumber (PSL) shall have an allowable flexural stress (Fb) of 2,900 psi (reduced by size factor) and an elastic modulus (E) of 2,000,000 psi. ((E) = 2,200,000 psi for members

L. Pre-engineered wood trusses shall be designed in accordance with the Truss Plate Institute's national design standard for metal-plate connected wood truss construction (ANSI/TPI-I latest edition). Trusses shall be designed and manufactured by an authorized member of the Wood Truss Council of America (MTCA). Truss design shall conform to specified codes, allowable stress increases, deflection limitations and other applicable criteria of the governing code.

M. Truss shop drawings showing complete erection and fabrication details and calculations (including connections) shall be submitted to the project architect / engineer for review prior to fabrication and/or erection. Calculations shall bear the seal of a professional engineer, registered in the state of the project location. Shop drawings shall also be submitted to the local government controlling agency when requested by that

agency.

N. All trusses shall be securely braced both during erection and permanently, as indicated on the approved truss design drawings and in accordance with TPI's commentary and recommendations for handling, installing and bracing metal-plate connected wood trusses (HIB-91, booklet) and the latest edition O. The truss manufacturer shall supply all hardware and

fasteners for joining truss members together and fastening truss members to their supports. Metal connector plates shall be manufactured by a member of the Wood Truss Council of America (MTCA) and shall be 20 gauge minimum. Connector plates shall meet or exceed ASTM A653, grade 33, with ASTM A924 galvanized coating designation 660.

P. Provide truss space directly above and centered over HVAC closets. Refer to Architectural and MEP drawings for exact

Q. Shipment, handling, and erection of trusses shall be by experienced, qualified persons and shall be performed in a manner so as not to endanger life or property. Apparent truss damage shall be reported to the truss manufacturer for evaluation prior to erection. Cutting or alteration of trusses is

not permitted R. Pre-Engineered Floor Trusses Design Criteria: Top Chord Dead Load Top Chord Live Load = 10 psf

Top Chord Dead Load

Live Load Deflection

= Per General Note 5B Bottom Chord Dead Load Live Load Deflection = L/480; (½" max) Total Load Deflection = L/360 Roof Truss Design criteria:

= 10 psf

= L/360

= 25 psf (Plus Rooftop Top Chord Live Load = 28 psf plus Drift Top Chord Snow Load Bottom Chord Dead Load = 10 psf Bottom Chord Live Load = 5 psf

Total Load Deflection = L/3*00* T. Roof trusses shall be designed per IBC 2021 for net uplift resulting from wind loading as calculated using components and cladding loading.

U. Construction bracing shall be provided by the contractor as

required to keep the building and studs plumb. V. Structural members shall not be cut for pipes, etc., unless specifically detailed. Notching and boring of studs and top of plates shall conform to the provisions of section 2308.9.10 and 2308.9.11 of the IBC. Where top plates or sole plates are cut for pipes, a metal tension tie with minimum 0.058 inches thick and 以" inches wide shall be fastened to each plate across and to each side of the opening with not less than (6) 16d nails, in

accordance section 2308.9.8 of the IBC. W. All fasteners for wood to wood connections and wood connectors shall be as indicated in structural drawings or manufacturer literature to achieve full capacity of connector. Alternate fasteners may be submitted as a substitution request Submittal must show that alternative fasteners will not reduce the capacity of the connection.

13. Shop Drawing Review:

A. Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D.

Campbell and Company, Inc. B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall: I.) Review each submission for conformance with the means methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC. 2.) Review and approve each submission. 3.) Stamp each submission as approved.

C. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D.

Campbell and Company, Inc. with written documentation. D. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC. 1.) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after 2.) Reinforcing steel shop drawings including erection drawings

wall elevations (include all mech. openings) and bending details. Bar list will not be reviewed for correct quantities. 3.) Structural steel shop drawings including erection drawings and piece details. Include connection submittals and miscellaneous framing. 4.) Miscellaneous anchors shown on the structural drawings. 5.) Wood truss design calculations and detailed erection and fabrication drawings. Standard stick framing shop drawings need not be submitted. a.) NOTE: Pre-engineered wood trusses to be deferred

6.) Construction and control joint plans and/or elevations. E. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp.

14. Structural Special Inspection:

A. The structural design for this project is based on completion of special inspections during construction in accordance with chapter 17 of the 2021 International Building Code. The owner shall employ one or more qualified special

inspectors to provide the required special inspections. B. Special Inspections shall be required for the items indicated below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those

inspections. I.) Placement of Concrete

2.) Testing of Concrete 3.) Bolts in Concrete

4.) Placement of Reinforcing Steel

5.) Verification of Soil Bearing Capacities 6.) High Strength Bolting

7.) Drill & Epoxy Bolts

8.) Structural Welding 9.) Shear wall installation

10.) Post-Installed Anchors II.) Wood shear walls and holdowns

12.) Wood gravity framing and placement C. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer,

and any other designated person. D. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural

E. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.

Copyright and Disclaimer:

A. All drawings in the structural set (5-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may

not reproduce these drawings for any purpose or in any manner B. I, Jeff L. Wright, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.



G

| | CONNECTION | ATTACHMENTS (REF NOT | E #3 and #4) |
|----|--|--|---|
| I | JOIST TO SILL OR GIRDER | 3- 3" x 0.131" NAILS-TOENAIL | 3-8d NAILS-TOENAIL |
| 2 | BRIDGING TO JOIST | 2- 3" × O.131" NAILS-TOENAIL EACH END | 2-8d NAILS-TOENAIL EACH END |
| 3 | SOLE PLATE TO JOIST OR | 3" x O.131" NAILS AT 8"o.cTYPICAL FACE NAIL | 16d BOX NAILS AT 16"o.c. MAX. FACE NAILING |
| | BLOCKING & TRUSS TO TOP PL | 4-3" × 0.131" NAILS AT 16"o.cBRACED WALL PANELS | 3-16d BOX NAILS AT 16"o.c. BRACED WALL PANEL |
| 4 | TOP PLATE TO STUD | 3- 3" x O.131" NAILS-END NAIL | 2-16d NAILS-END NAIL |
| 5 | STUD TO SOLE PLATE | 4- 3" × O.131" NAILS-TOENAIL OR 3- 3" × O.131" NAILS-END NAIL | 4-8d NAILS-TOENAIL OR 2-16d NAILS-END NAIL |
| 6 | DOUBLE STUDS | 3" x O.131" NAILS AT 8"o.cFACE NAIL | 16d BOX NAILS AT 24"o.c. MAX. FACE NAIL |
| 7 | DOUBLED TOP PLATES | 3" x 0.131" NAILS AT 12"0.cFACE NAIL | 16d BOX NAILS AT 16"o.c. MAX. FACE NAIL |
| 8 | DOUBLE TOP PLATE LAPS AND INTERSECTIONS | 12-3" × 0.131" NAILS | 8-16d NAILS |
| 9 | BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE | 3-3" x 0.131" NAILS -TOENAIL | 3-8d NAILS-TOENAIL |
| 0 | RIM JOIST TO TOP PLATE | 3" x O.131" NAILS AT 6"o.cTOENAIL | IOd NAILS AT 6"o.c. MAXTOENAI |
| II | TOP PLATE LAPS AND INTERSECTIONS | 3- 3" × O.131" NAILS-FACE NAIL | 2-16d NAILS-FACE NAIL |
| 12 | CONTINUOUS HEADER, TWO PIECES | · · · · · · · · · · · · · · · · · · · | |
| 13 | CEILING JOISTS TO PLATE | 5- 3" × 0.131" NAILS-TOENAIL | 3-8d NAILS-TOENAIL |
| 14 | CONTINUOUS HEADER TO STUD | 4- 3" x O.131" NAILS-TOENAIL | 4-8d NAILS-TOENAIL |
| 15 | CEILING JOISTS, LAPS OVER PARTITIONS | 4- 3" x O.131" NAILS-FACE NAIL | 3-16d NAILS-FACE NAIL |
| 16 | CEILING JOISTS TO PARALLEL RAFTERS | 4- 3" x O.131" NAILS-FACE NAIL | 3-16d NAILS-FACE NAIL |
| 17 | RAFTER TO PLATE | 3- 3" x O.131" NAILS-TOENAIL | 3-8d NAILS-TOENAIL |
| 18 | I" BRACE TO EACH STUD AND PLATE | 2- 3" × 0.131" NAILS-FACE NAIL | 2-8d NAILS-FACE NAIL |
| 19 | BUILT-UP CORNER AND MULTIPLE STUDS | 3" × 0.131" NAILS AT 16"0.c. | 16d NAILS AT 24"o.c. MAX. |
| 20 | BUILT-UP GIRDER AND BEAMS | 3" x O.131" NAILS AT 24"O.C. FACE NAILED TOP AND BOTTOM STAGGERED ON OPPISOTE SIDES 3- 3" x O.131" NAILS AT ENDS AND EACH SPLICE | 20d NAILS AT 32"o.c. MAX. TOP AND BOTTOM, STAGGERED ON OPPSITE SIDES. 2-20d NAILS AT ENDS AND EACH SPLICE |
| 21 | BUILT-UP LAMINATED VENEER LUMBER BEAMS | 3" × O.131" NAILS AT 6"O.C. TOP AND BOTTOM ALONG EDGE | 16d NAILS AT 12"O.C. TOP AND BOTTOM ALONG EDGE |
| 22 | 2" PLANKING | 4- 3" × O.131" NAILS AT EACH SUPPORT | 16d NAILS AT EACH SUPPORT |
| 23 | RIM BOARD TO TRUSS | 2 - 3" x O.131" FACE NAILS (IT/IB @ EA TRUSS) | 2-IOd NAILS - FACE NAILS (IT/IB @ EA TRUSS) |
| 24 | BUILT-UP STUD PACK COLUMNS | REFER TO DETAIL 6/SI.I | REFER TO DETAIL 6/51.1 |

2.) CONDITIONS NOT SPECIFIED SHALL BE IN ACCORDANCE WITH CURRENT INTERNATIONAL BUILDING CODE. 3.) NAILING DESIGNATION:

4- 3" x O.131" NAILS - DIAMETER IN INCHES — NAIL LENGTH - QUANTITY

4.) ALL NAILS NOTED AS 8d, IOd, I6d, ETC. SHALL BE COMMON NAILS UNLESS NOTED BOX.

5.) REFER TO SHEARWALL SCHEDULE FOR ADDT'L NAILING REQUIREMENTS

TYPICAL SYMBOL LEGEND:

A - BEAM OR HEADER PER SCHED ON SI.I

(A-U) - UPSET BEAM OR HEADER PER SCHED ON SI.I

(#) - FOOTING TYPE PER SCHED ON SI.I

* - SHEARWALL HOLDDOWN TYPE PER SCHED ON SI.2

SW - SHEARWALL PER SCHED ON SI.2

CJ - CONSTRUCTION JOINT PER 2/51.0

SJ - SAW JOINT PER I/SI.O

- SPAN DIRECTION

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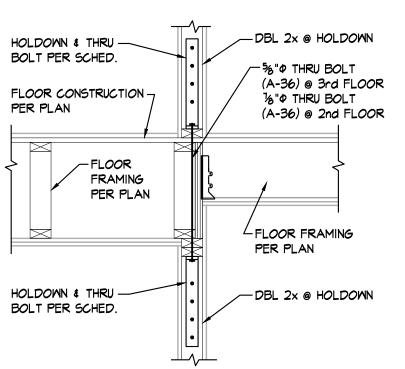
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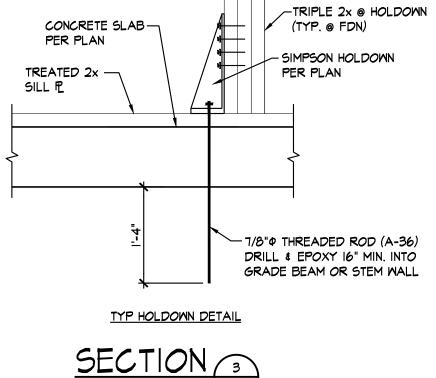
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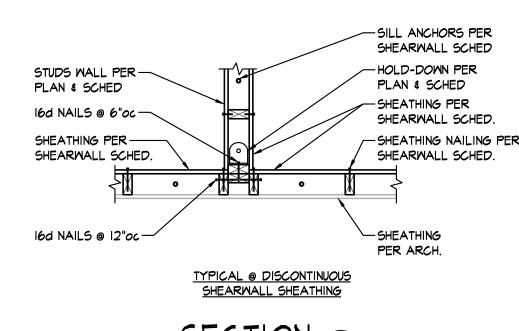
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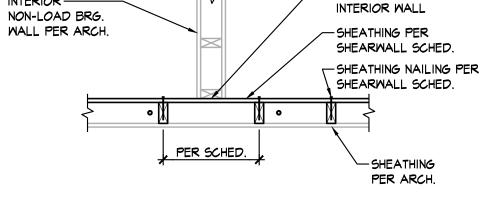






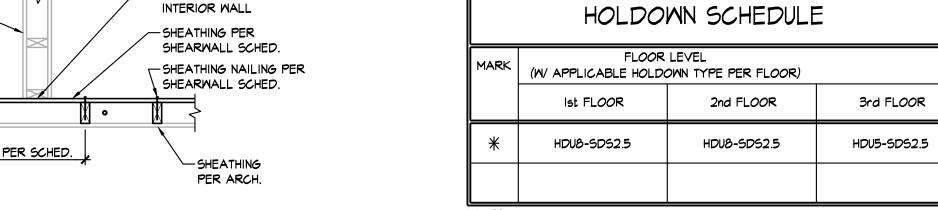


INTERIOR ---



-SHEARWALL SHEATHING

TO BE CONT. PAST



- HOLDOWN TYPES ARE BASED UPON MANUFACTURER SIMPSON STRONG-TIE. REFER TO SECTION DETAILS ON SI.2 FOR TYPICAL HOLDOWN DETAILS. 3. WHERE THE ENDS OF PERPENDICULAR SHEAR WALLS INTERSECT AND ONLY
- ONE HOLDOWN SHOWN ON PLAN, FASTEN ALL STUDS TOGETHER PER SCHEDULE AND USE LARGER OF THE TWO HOLDOWNS SHOWN ON THE SHEAR WALL SCHEDULE. 4. ALL HOLDOWN POSTS TO BE (2) 2x's (MIN.) (U.N.O.) TO MATCH STUD SIZE &
- GRADE NOTED IN WALL SCHEDULE. PROVIDE ADDITIONAL STUDS AS REQ'D

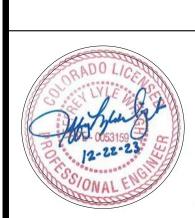
| | TO MILLI QUANTITI NOTED IN SCHED. |
|----|---|
| 5. | REFER TO SECTIONS 2/SI.2, 3/SI.2, 4A/SI.2 & 4B/SI.2 FOR HOLDOWN ANCHO |
| | REQUIREMENTS. |

| | SHEARWALL SCHEDULE | | | | | | | | | | |
|-----------------------|--------------------|------------------------|--|--|-----------------------|--|--|--|--|--|--|
| SHEARWALL LOCATION | SHEARWALL TYPE | | FLC | POR | SILL PLATE CONNECTION | NUMBER OF WALL STUDS AT HOLD-DOWN (RE: NOTE 4) | | | | | |
| | | | ist FLOOR WALLS | 2nd & 3rd FLOOR WALLS | (RE: NOTES 6 \$ 7) | | | | | | |
| AT DEMISING WALLS | SM | MATERIAL & THICKNESS | ½" PLYWOOD SHEATHING ONE SIDE, w/ EDGES BLOCKED | ½" PLYWOOD SHEATHING ONE SIDE, w/ EDGES BLOCKED | | | | | | | |
| | | NAIL SIZE & SPACING | 8d NAILS 4/12 | 8d NAILS 6/12 | | | | | | | |
| AT EXTERIOR WALLS | SM | MATERIAL & THICKNESS | 2 ½" ZIP R-12 SHEATHING ONE SIDE, w/ EDGES BLOCKED | 2 ½" ZIP R-12 SHEATHING ONE SIDE, w/ EDGES BLOCKED | | | | | | | |
| | | NAIL SIZE & SPACING | O.131" SHANK NAILS W/ 1 ½" MIN. PENETRATION INTO FRAMING, 3/12 SPACING | O.131" SHANK NAILS W/ 1 ½" MIN. PENETRATION INTO FRAMING, 3/12 SPACING | | | | | | | |

- NAILING SHALL BE TO ALL STUDS, TOP & BOTTOM PLATES, AND BLOCKING WHERE INDICATED.
- 2. HOLDOWNS PER PLAN & SCHEDULE.
- 3. WHERE THE ENDS OF PERPENDICULAR SHEAR WALLS INTERSECT AND ONLY ONE HOLDDOWN SHOWN ON PLAN, FASTEN ALL STUDS TOGETHER PER SCHEDULEA AND USE LARGE OF THE TWO HOLDDOWNS SHOWN IN THE SHEARWALL SCHEDULE. REFERENCE DETAILS 4A, 4B. 4C. AND 4D ON SHEET SI.2 FOR SHEATHING AND HOLDOWN ATTACHMENT AT PERPENDICULAR WALLS AND STUD WALL SIZE TRANSITIONS.
- 4. PROVIDE 2 WALL STUDS AT EACH HOLDDOWN UNLESS NOTED OTHERWISE IN SCHEDULE. AT LOCATIONS WHERE A SHEARWALL TERMINATES AT A OPENING JAMB, PROVIDE NUMBER OF STUDS PER JAMB SCHEDULE PLUS AN ADDITIONAL STUD FOR THE SHEARWALL. ATTACH ALL STUDS TOGETHER PER 6/SI.I. REFER TO DETAILS &A & &B ON SI.2.
- 5. NAIL SPACING SHOWN AS (#/#) INDICATES FASTENERS SPACING IN INCHES AT THE EDGES/FIELD WHERE FIELD IS THE INTERMEDIATE MEMBERS.
- 6. TYPICAL SILL PLATE TO MOOD SHALL BE 20d COMMON NAILS (1.092x4") AT 12"00 UNLESS NOTED OTHERWISE IN SCHEDULE.
 - AT 2x4 WALLS SPACE AT 24"00 MAX WITH 1/4"x21/2"x21/2" PLATE WASHER OR SIMPSON BPS 1/2 3 @ CONTRACTORS OPTION
- PLATE WASHERS TO MAINTAIN MAX OF ½" BETWEEN EDGE OF SILL PLATE AND EDGE OF PLATE WASHER 8. SHEARWALL SHEATHING CALLED OUT AT CORRIDOR WALLS SHALL BE LOCATED AT UNIT SIDE OF WALL
- 10. NAILS @ WOOD STRUCTURE PANEL SHEAR WALLS SHALL BE GALVANIZED COMMON OF TYPE INDICATED IN SCHED.

7. TYPICAL SILL PLATE TO CONCRETE SHALL BE ½"中 ANCHORS:

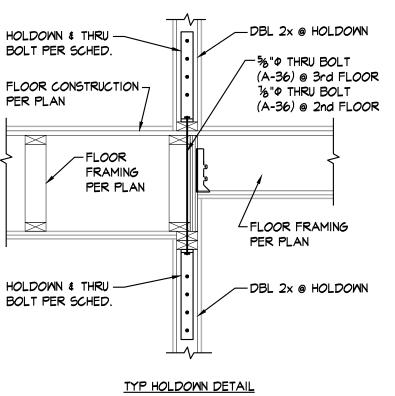
9. AT GYPSUM SHEARWALLS NO. 6 x 1 1/4" TYPE S OR W SCREWS CAN BE UTILIZED AS THE SAME SPACING AS SPECIFIED 6d NAILS.

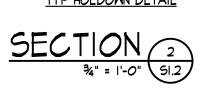


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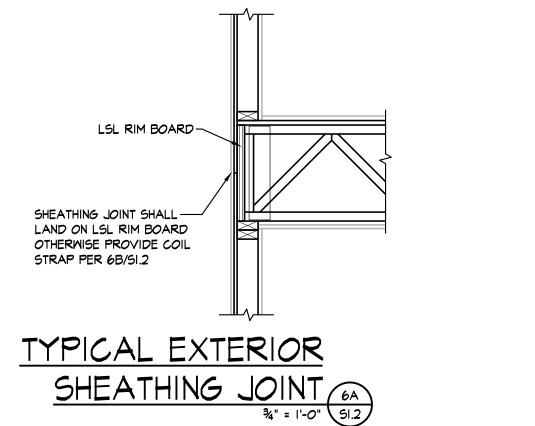
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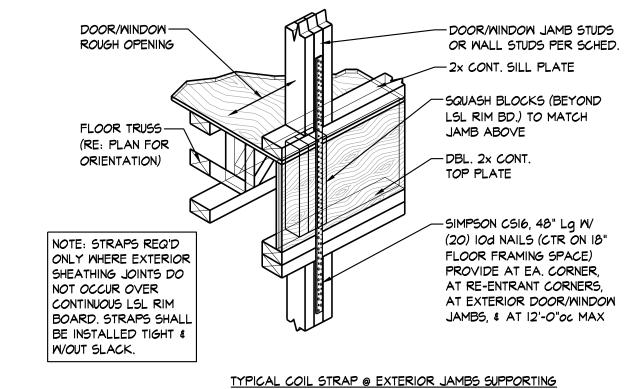
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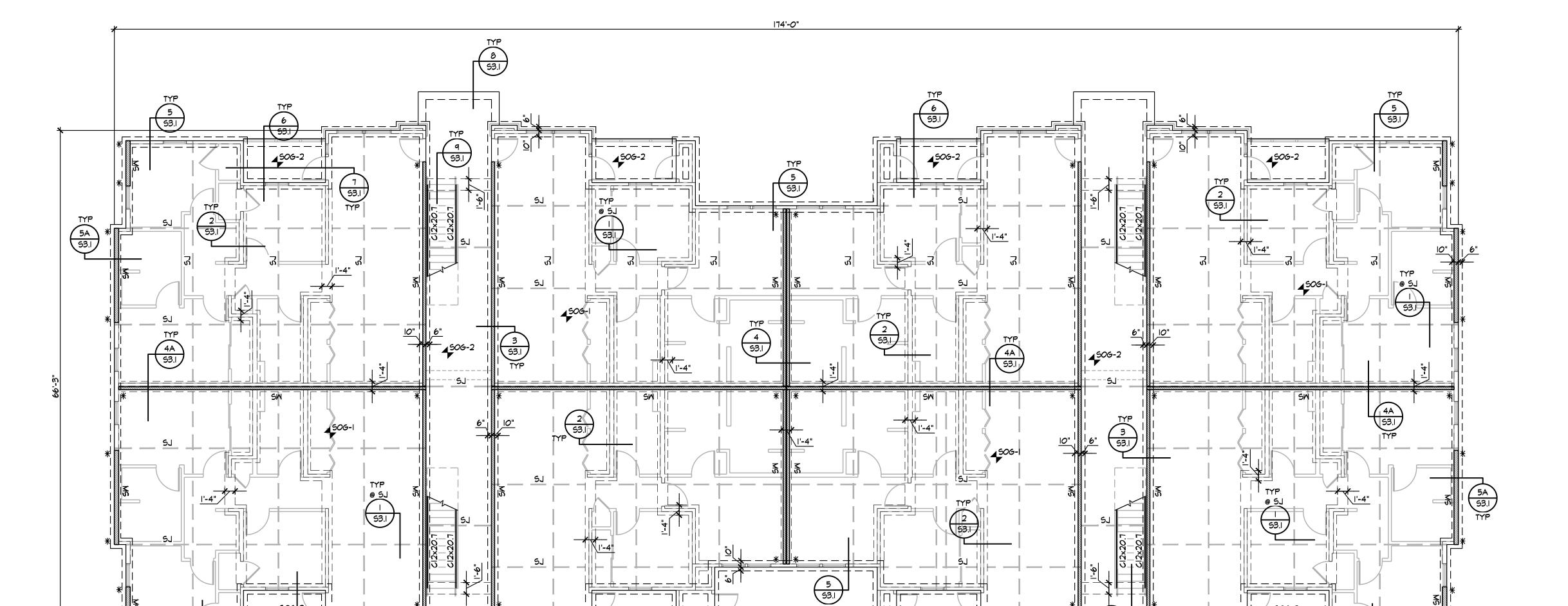






TYPICAL COIL STRAP @ EXTERIOR JAMBS SUPPORTING ROOF FRAMING AT FLOOR DIRECTLY BELOW ROOF





BUILDING E FOUNDATION FRAMING PLAN 1/8" = 1'-0"

NOTES:

I. REFER TO GENERAL NOTES ON SHEET SI.O

2. REFER TO COLUMN & FOOTING SCHEDULE ON SHEET SI.I

3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN

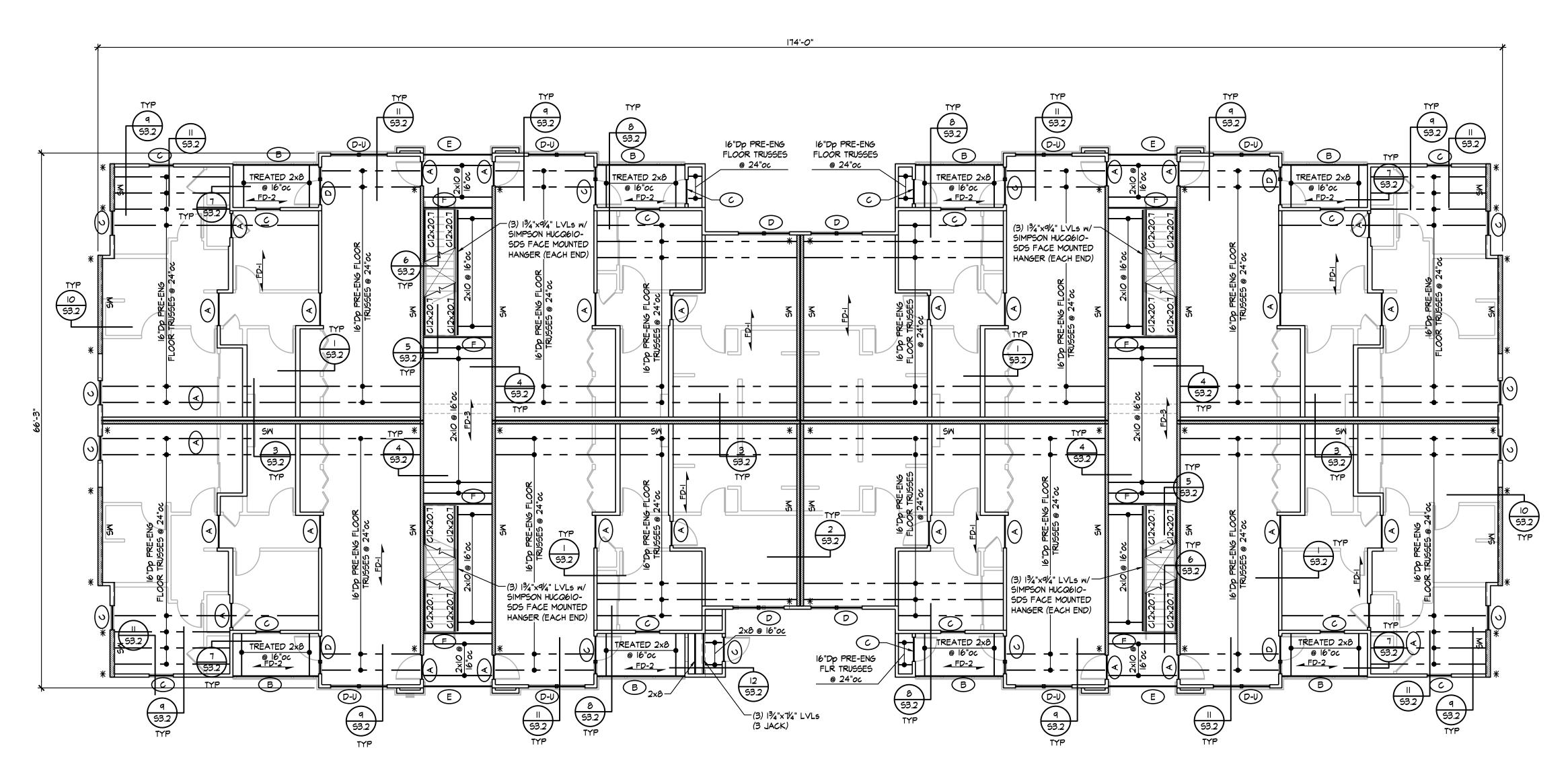
4. REFER TO SHEET S2.24 FOR SHEARWALL AND HOLDOWN INFORMATION

5. REFER TO SECTION 3 ON SHEET SI.2 FOR HOLDOWN DETAIL AT THE FIRST FLOOR

5 93.I TYP

REVISION:

DATE: 9-20-2023 22-3219 SHEET NO.:



BUILDING E SECOND FLOOR FRAMING PLAN 1/8" = 1'-0"

REFER TO GENERAL NOTES ON SHEET SI.O REFER TO HEADER SCHEDULE ON SHEET SI.I

3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN 4. REFER TO SHEET 52.24 FOR SHEARWALL AND HOLDOWN INFORMATION

REFER TO SECTIONS 2, 4A AND 4B ON SHEET SI.2 FOR HOLDOWN DETAILS AT THE SECOND FLOOR
 REFER TO SHEETS SI.I AND SI.2 FOR TYPICAL NAILING WOOD FRAMING DETAILS

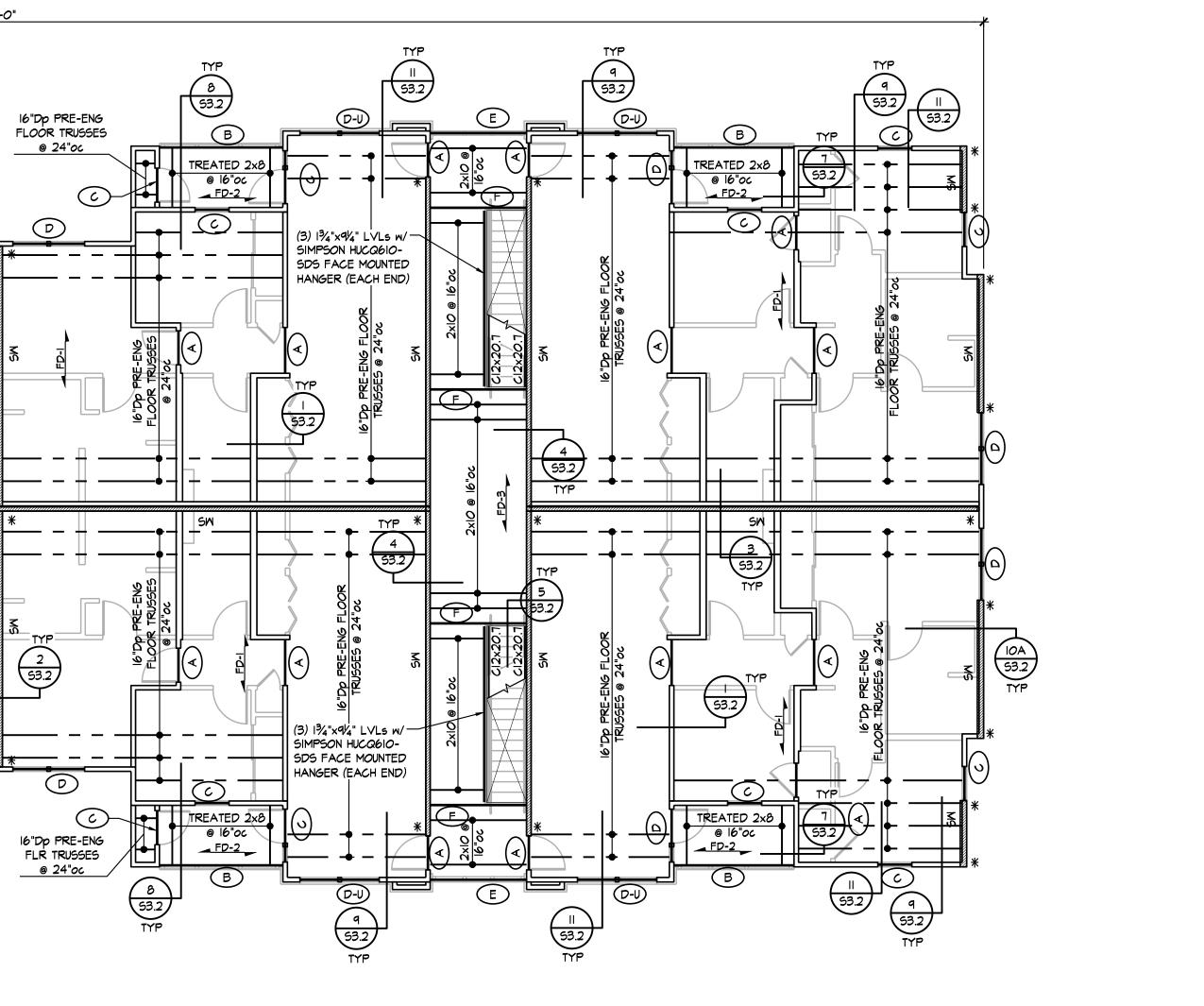
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REVISION:

DATE: 9-20-2023 22-3219

SHEET NO.:





BUILDING E THIRD FLOOR FRAMING PLAN

174'-0"

16"Dp PRE-ENG FLOOR TRUSSES

-(3) 13/4"x91/4" LVLs w/ SIMPSON HUCQ610-

SDS FACE MOUNTED HANGER (EACH END)

—(3) 1³/4"x9/4" LVLs w/ SIMPSON HUCQ610-SDS FACE MOUNTED

NOTES:

I. REFER TO GENERAL NOTES ON SHEET SI.O

2. REFER TO HEADER SCHEDULE ON SHEET SI.I

8 53.2 TYP

REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN

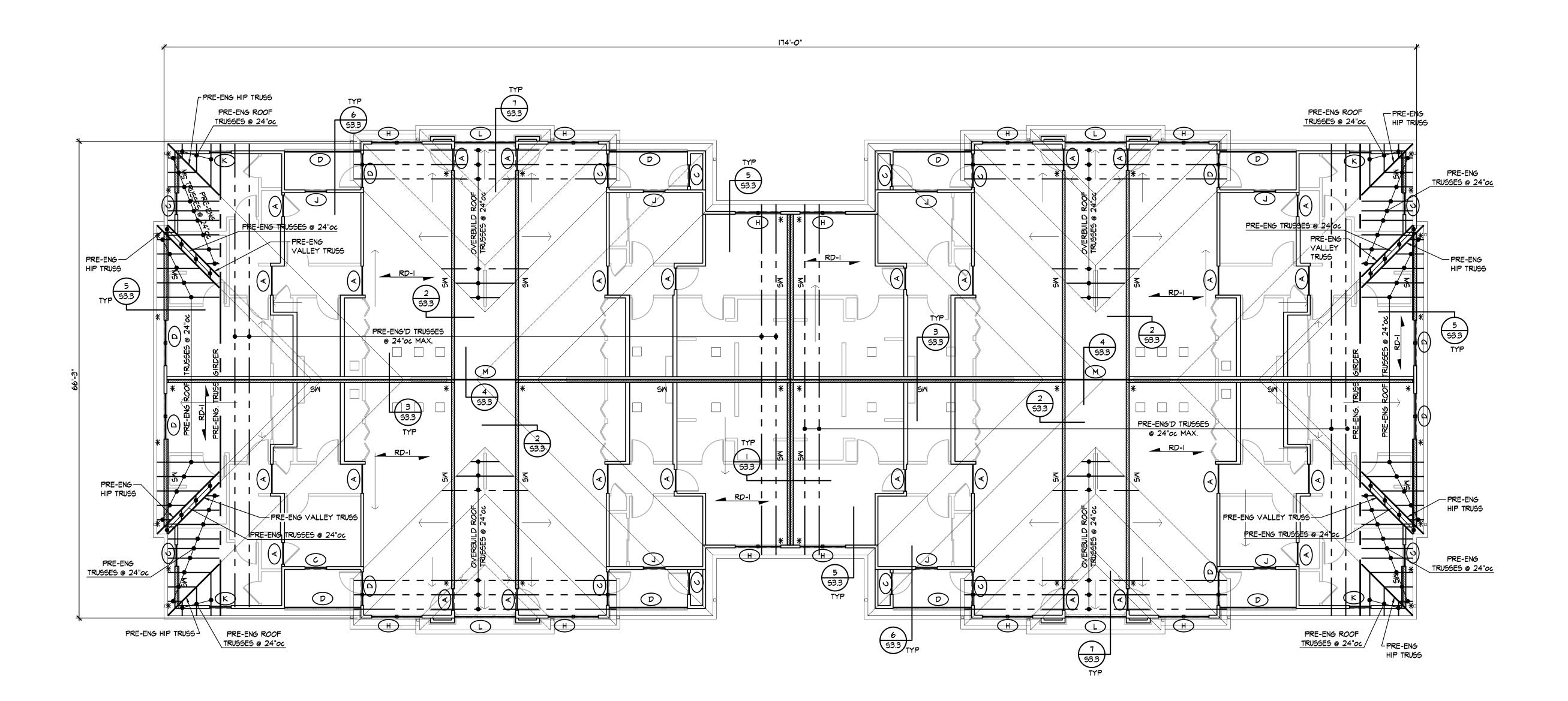
16"Dp PRE-ENG FLR TRUSSES @ 24"oc

4. REFER TO SHEET 52.24 FOR SHEARWALL AND HOLDOWN INFORMATION
5. REFER TO SECTIONS 2, 4A AND 4B ON SHEET SI.2 FOR HOLDOWN DETAILS AT THE THIRD FLOOR
6. REFER TO SHEETS SI.I AND SI.2 FOR TYPICAL NAILING WOOD FRAMING DETAILS

415 NORTH

REVISION:

DATE: 9-20-2023 22-3219 SHEET NO.:





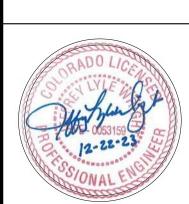
NOTES:

I. REFER TO GENERAL NOTES ON SHEET SI.O

2. REFER TO HEADER SCHEDULE ON SHEET SI.I

3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN

4. PROVIDE TRIPLE STUDS AT ALL PRE-ENG. TRUSS GIRDERS AND HIP/VALLEY TRUSSES
5. REFER TO SHEETS SI.I AND SI.2 FOR TYPICAL NAILING WOOD FRAMING DETAILS



REVISION:

DATE: 9-20-2023 JOB: 22-3219 SHEET NO.:

BUILDING E SHEARWALL PLAN

NOTES:

I.) REFER TO GENERAL NOTES ON SHEET SI.O

2.) REFER TO SHEARMALL & HOLDOWN SCHEDULES ON SHEET SI.2

3.) SHEARMALLS/HOLDOWNS DESIGNATED AS FOLLOWS:

SHEAR WALL EXTENTS INDICATED W/ HATCHED AREA

HOLDOWN TYPE MARK: (I) HOLDOWN TYPICAL EACH
END OF SHEARWALL PER HOLDDOWN ANCHOR SCHED.

4.) REFER TO SECTIONS 2/SI.2 & 3/SI.2 FOR HOLDOWNS AT END OF WALL

JOB: 22-3219 O SHEET NO.:

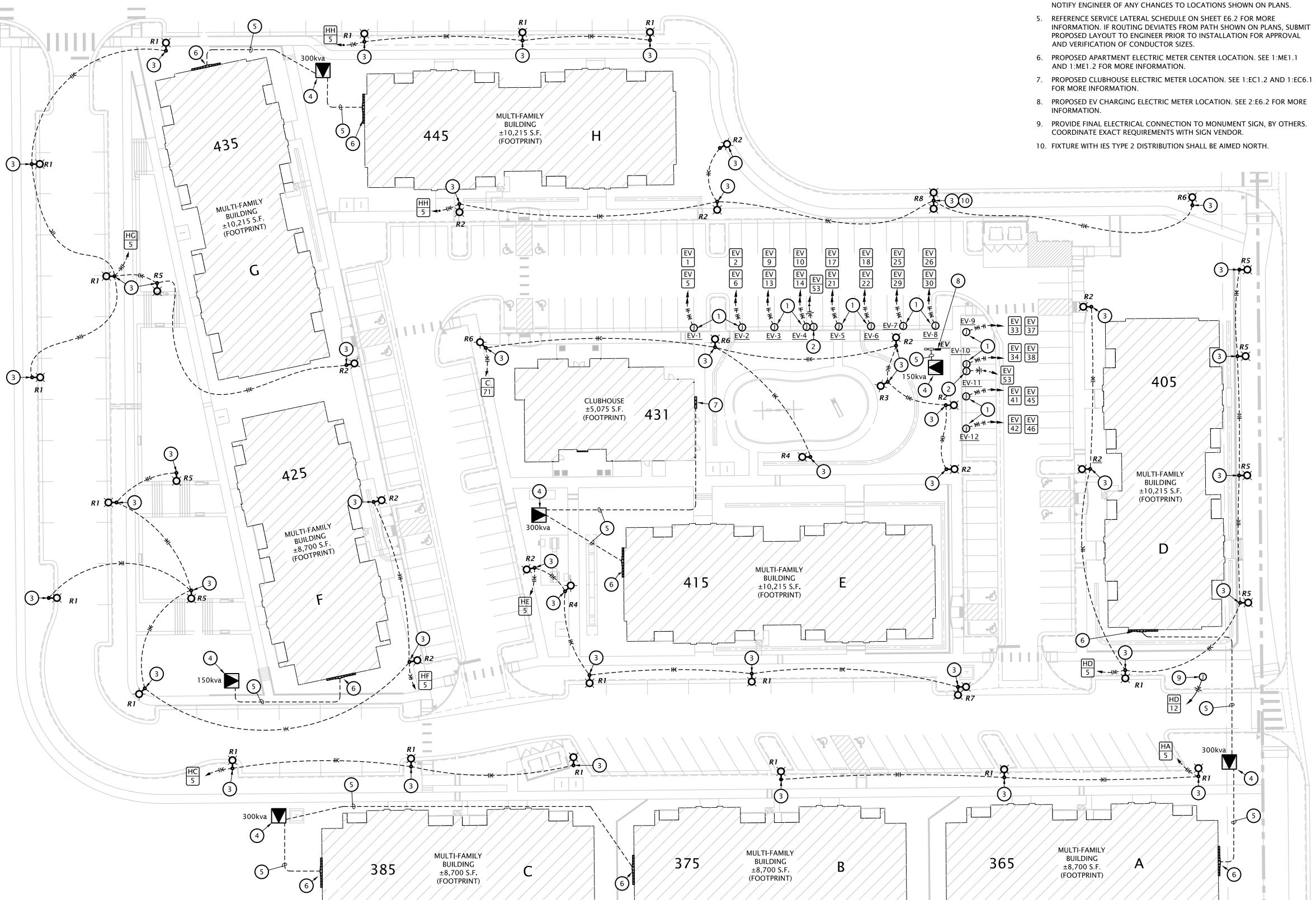
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October 2023

SITE PLAN NOTES BY SYMBOL

- 1. PROVIDE (4)#6, #8G., IN 1"C. FOR FUTURE DUAL PORT EV CHARGING STATION. PROVIDE 6' EXTRA WIRING LENGTH IN WEATHERPROOF JUNCTION BOX. PROVIDE SAFE TERMINATION OF CONDUCTORS BY COVERING EXPOSED ENDS WITH WIRE NUT OR OTHER APPROVED METHOD.
- 2. PROVIDE ROUGH IN FOR FUTURE MAINTENANCE RECEPTACLE, PROVIDE 6' EXTRA WIRING LENGTH IN WEATHERPROOF JUNCTION BOX. PROVIDE SAFE TERMINATION OF CONDUCTORS BY COVERING EXPOSED ENDS WITH WIRE NUT
- 3. POLE MOUNTED AREA LIGHT, REFERENCE 1:E6.1 FOR MORE INFORMATION.
- 4. PROPOSED TRANSFORMER LOCATION. VERIFY EXACT LOCATION AND INSTALLATION REQUIREMENTS AND RESPONSIBILITIES WITH UTILITY COMPANY. NOTIFY ENGINEER OF ANY CHANGES TO LOCATIONS SHOWN ON PLANS.
- INFORMATION. IF ROUTING DEVIATES FROM PATH SHOWN ON PLANS, SUBMIT PROPOSED LAYOUT TO ENGINEER PRIOR TO INSTALLATION FOR APPROVAL AND VERIFICATION OF CONDUCTOR SIZES.



415 NORTH PICA

REVISION:

10-2-2023 DATE: 22-3219 SHEET NO.:

ME1.0

个

1" = 30'-0"

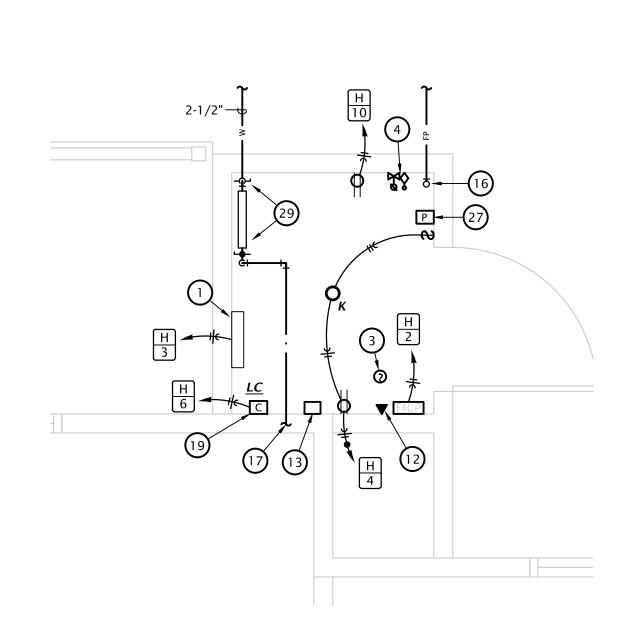
OR OTHER APPROVED METHOD.

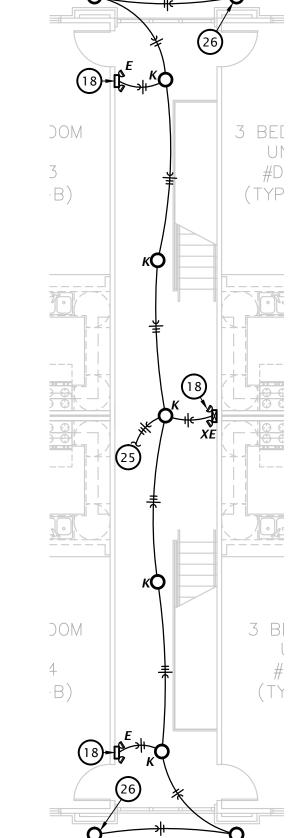
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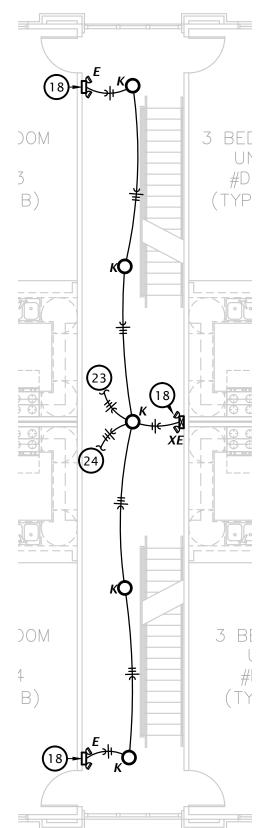
DATE: 10-2-2023 22-3219 SHEET NO .:

ME1.2

MOC







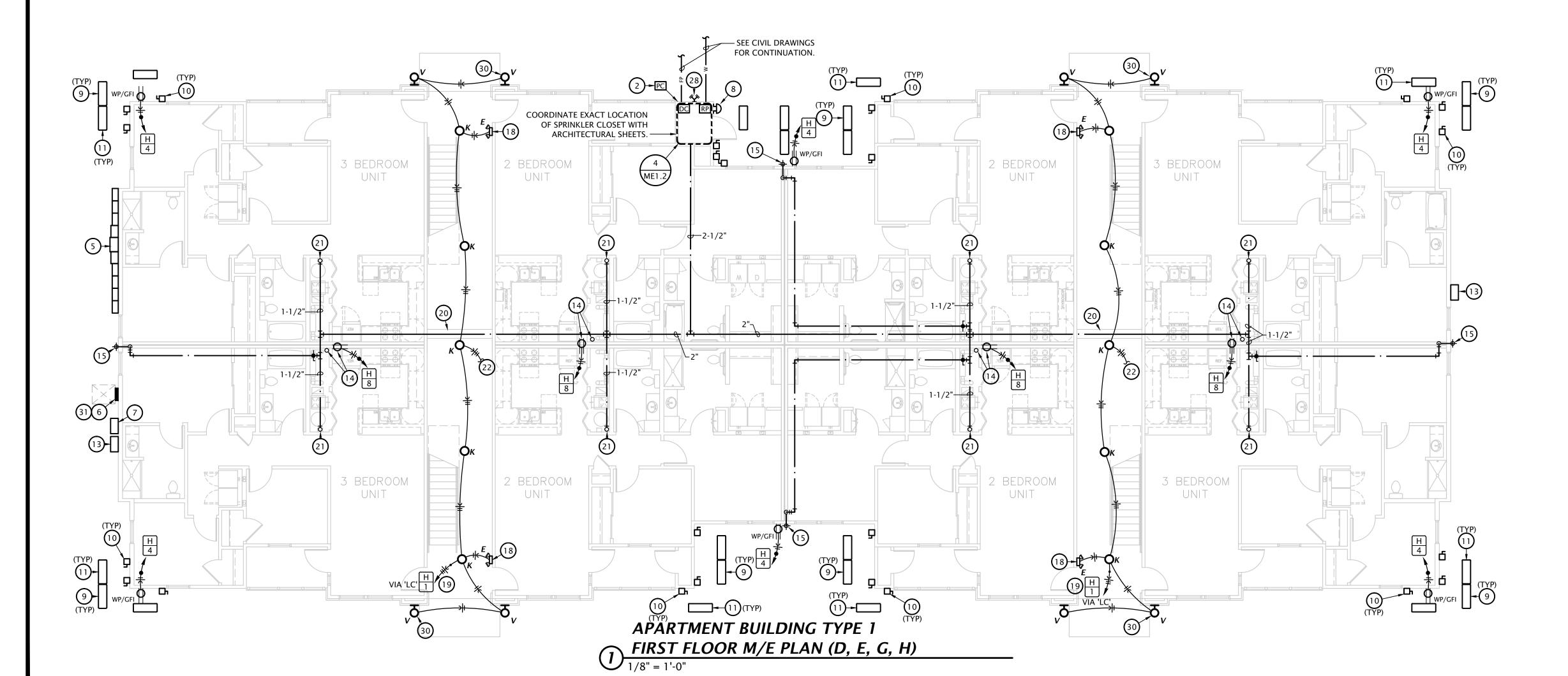
TYPICAL ENLARGED MECHANICAL ROOM PLAN 1/2" = 1'-0"

3 TYPICAL 3RD FLOOR M/E BREEZEWAY PLAN

1/8" = 1'-0"

2 TYPICAL 2ND FLOOR M/E BREEZEWAY PLAN

1/8" = 1'-0"



M/E NOTES BY SYMBOL

- 1. WALL HEATER 'EWH' PROVIDED BY E.C.
- 2. PROVIDE PHOTOCELL ON NORTH SIDE OF BUILDING FOR OPERATION OF BREEZEWAY AND BUILDING MOUNTED LIGHTS, SEE DETAIL 2:E6.1 FOR MORE INFORMATION.
- PROVIDE SMOKE DETECTOR ABOVE FACP AND CONNECT TO FIRE ALARM SYSTEM.
- 4. CONNECT FIRE SPRINKLER FLOW AND TAMPER SWITCHES TO FIRE ALARM SYSTEM.
- FIRST FLOOR ONLY: ELECTRIC SERVICE AND METER. SEE RISER DIAGRAMS ON SHEET E6.1. SEE M/E SITE PLAN FOR EXACT LOCATION AT EACH BUILDING AND COORDINATE EXACT LOCATION WITH UTILITY COMPANY.
- 6. HOUSE PANEL 'H'. PROVIDE RESERVED SPACE TO ALLOW INSTALLATION OF A 2-POLE BREAKER FOR FUTURE SOLAR SYSTEM. THIS SPACE IT TO BE LABELED 'FOR FUTURE SOLAR ELECTRIC'. THE RESERVED SPACE IS TO BE POSITIONED AT THE END OF THE PANEL THAT IS OPPOSITE FROM THE PANEL SUPPLY CONDUCTOR CONNECTION.
- 7. ROUTE 2" CONDUIT FROM CENTURY LINK SERVICE PEDESTAL TO 24x24x12 NEMA 3R TERMINATION BOX ADJACENT TO METER CENTER. COORDINATE METER CENTER LOCATION WITH SITE PLAN. COORDINATE EXACT PEDESTAL LOCATIONS AND INSTALLATION REQUIREMENTS WITH UTILITY PROVIDER. SEE ENLARGED ELECTRICAL PLANS AND SHEET E6.1 FOR MORE INFORMATION. UTILITY CONTACT: JAYMES BUCKLEY - EMAIL: JAYMES.BUCKLEY@LUMEN.COM
- 8. EXTERIOR FIRE ALARM BELL, CONNECT TO FIRE ALARM PANEL SYSTEM COORDINATE LOCATION WITH AUTHORITY HAVING JURISDICTION.
- 9. MOUNT HEAT PUMP ON 18" STAND, EQUAL TO QUICKSLING, ON 3-1/2" THICK LEVEL CONCRETE PAD. COORDINATE EXACT LOCATION WITH UTILITY SERVICES AND SITE DRAINAGE, TYPICAL. COORDINATE ANY REQUIRED MODIFICATIONS WITH ARCHITECT
- 10. PROVIDE DISCONNECT SWITCH FOR HEAT PUMP AND CIRCUIT TO PANEL IN APARTMENT IT IS SERVING. MAKE FINAL CONNECTION WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT, TYPICAL. LOCATE AS CLOSE TO HEAT PUMP AS POSSIBLE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH OTHER TRADES.
- 11. ROUTE REFRIGERANT PIPING FROM HEAT PUMP TO MATCHING BLOWER COIL. PENETRATE WALL 18" ABOVE GRADE AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. COORDINATE LINE SIZE WITH MANUFACTURER. PROVIDE PIPE WALL PENETRATION SEAL EQUAL TO AIREX TITAN OUTLET.
- 12. PROVIDE (2) PHONE LINES FOR MONITORING OF FIRE SPRINKLER SYSTEM. REFERENCE SPECIFICATION NOTES FOR ADDITIONAL INFORMATION.
- 13. ROUTE (2) 2" CONDUITS FROM COMCAST SERVICE PEDESTAL TO 24x24x12 NEMA 3R TERMINATION BOX. LOCATE ONE BOX ON EACH END OF THE BUILDING. COORDINATE EXACT PEDESTAL LOCATIONS AND INSTALLATION REQUIREMENTS WITH UTILITY PROVIDER. UTILITY CONTACT: TRAY WILLIAMS - EMAIL: TRAY_WILLIAMS@COMCAST.COM
- 14. 4" PVC PIPE FOR FUTURE RADON SYSTEM BY OTHERS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT. PROVIDE OUTLET IN ATTIC NEAR RADON PIPE FOR FUTURE RADON FAN.
- 15. CONNECT NON-FREEZE WALL HYDRANT WITH 1/2" CW BRANCH TO SERVICE PIPING AHEAD OF TENANT WATER METER AND PROVIDE SHUT-OFF VALVE ACCESSIBLE IN MECHANICAL CLOSET. REFERENCE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT AND COORDINATE WITH G.C. (TYPICAL)
- 16. FIRE PROTECTION RISER SEE DETAIL ON P6.1.
- 17. SEE OVERALL PLAN ON THIS SHEET FOR CONTINUATION. COORDINATE FINAL ROUTING OF MAIN WATER PIPING WITH G.C. PRIOR TO ROUGHING IN. (TYPICAL)
- 18. CONNECT EMERGENCY LIGHT TO UNSWITCHED CIRCUITRY SERVING LIGHTING IN
- 19. EXTERIOR LIGHTS TO BE CONTROLLED VIA PHOTOCELL AND CONTACTOR, SEE DETAIL 2:E6.1 FOR MORE INFORMATION.
- 20. WHERE FIRE PROTECTION PIPING AND DOMESTIC WATER PIPING MUST CROSS HALLWAY, ROUTE IN SOFFIT. PROVIDE HEAT TRACE AND INSULATE PIPING IN SOFFIT PER HEAT TRACE MANUFACTURER'S INSTRUCTIONS. PROVIDE ALL REQUIRED HEAT TRACE COMPONENTS AND CONTROLS FOR FREEZE PROTECTION OF WATER PIPING. COORDINATE WITH E.C.
- 21. COLD WATER RISER, SEE RISER DIAGRAMS ON SHEET M5.1 FOR MORE INFORMATION.
- 22. TO LIGHTS ON 2ND FLOOR BREEZEWAY.
- 23. FROM LIGHTS ON 1ST FLOOR BREEZEWAY.
- 24. TO LIGHTS ON 3RD FLOOR BREEZEWAY. 25. FROM LIGHTS ON 2ND FLOOR BREEZEWAY.
- 26. DOWNLIGHTS TO BE INSTALLED IN SOFFIT ABOVE THIRD FLOOR. (TYPICAL)
- 27. PROVIDE MANUAL STATION AT FACP CLOSET AND CONNECT TO FIRE ALARM SYSTEM.
- 28. COORDINATE EXACT LOCATION OF FIRE DEPARTMENT CONNECTION WITH AUTHORITY HAVING JURISDICTION.
- 29. PROVIDE FULL-SIZED SHUTOFF VALVE, USC FCCCHR APPROVED REDUCED PRESSURE BACKFLOW ASSEMBLY AS REQUIRED BY AURORA WATER. BACKFLOW PREVENTION DEVICE SHALL BE APPROVED BY CITY OF AURORA PRIOR TO ORDERING. ALL WATER SERVICE PIPING FROM METER TO BACKFLOW PREVENTION DEVICE SHALL BE PER CITY OF AURORA WATER STANDARDS.
- 30. MOUNT EXTERIOR WALL SCONCES IN STONE JUST BELOW 1x6 TRIM BAND AT 8'-6". COORDINATE EXACT REQUIREMENTS WITH ARCHITECT. (TYPICAL)
- 31. PROVIDE 3/4" CONDUIT FROM PANEL TO ATTIC SPACE FOR FUTURE SOLAR CONDUCTORS. TERMINATE CONDUIT ABOVE INSULATION AND LABEL TO HOUSE
- 32. CONNECT HEAT TRACE FOR PIPING IN SOFFIT. COORDINATE REQUIREMENTS WITH

ALL AREAS OF BUILDINGS TO BE PROTECTED WITH SPRINKLER SYSTEM DESIGNED IN ACCORDANCE WITH SUBMIT DRAWINGS AND CALCULATIONS TO AHJ FOR APPROVAL. BREEZEWAYS, BALCONIES, AND OTHER UNHEATED AREAS

SEE SHEET P4.1 AND P4.3 FOR DOMESTIC WATER DISTRIBUTION IN INDIVIDUAL APARTMENTS.

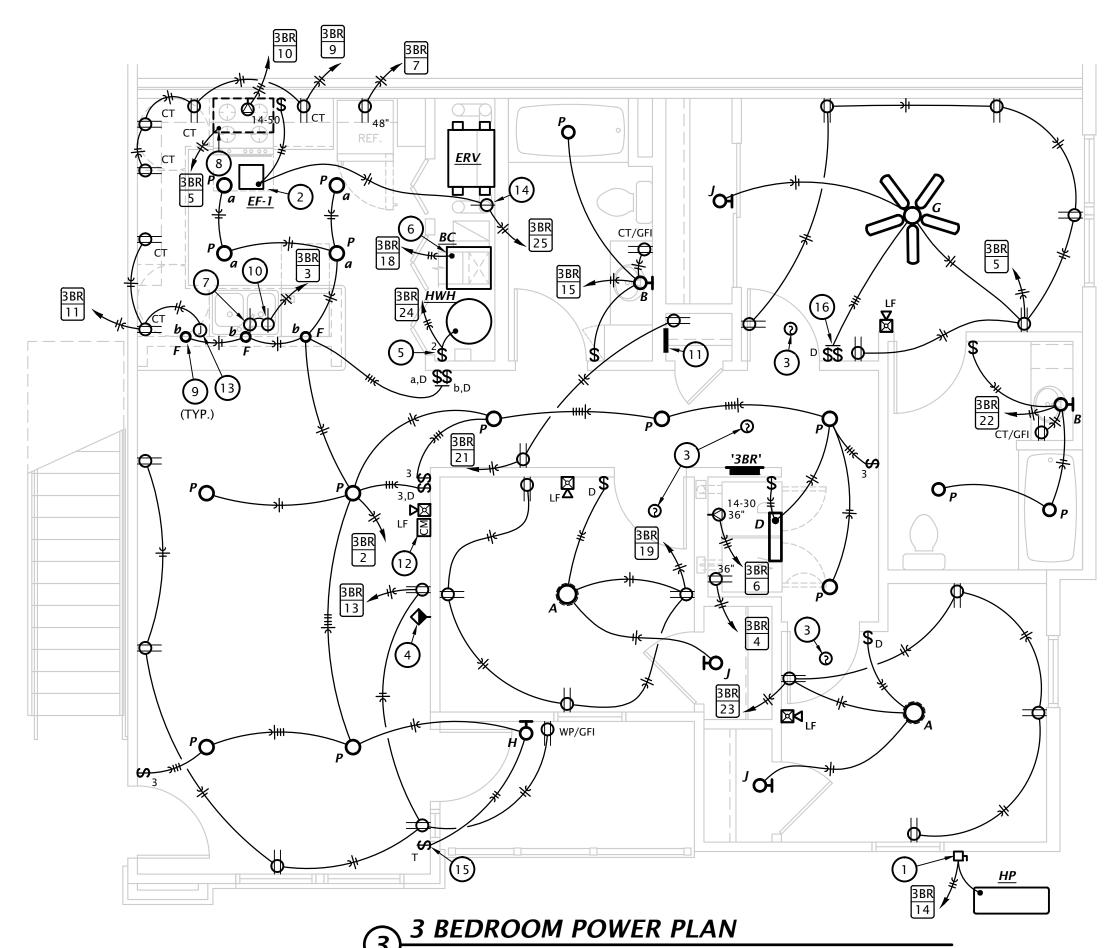
- 1. ARC FAULT CIRCUIT INTERRUPTING (AFCI) TYPE BREAKER.
- 2. CLASS 'A', 5mA RATED GROUND FAULT CIRCUIT INTERRUPTING (GFCI) TYPE
- 3. COMBINATION AFCI/GFCI TYPE BREAKER.

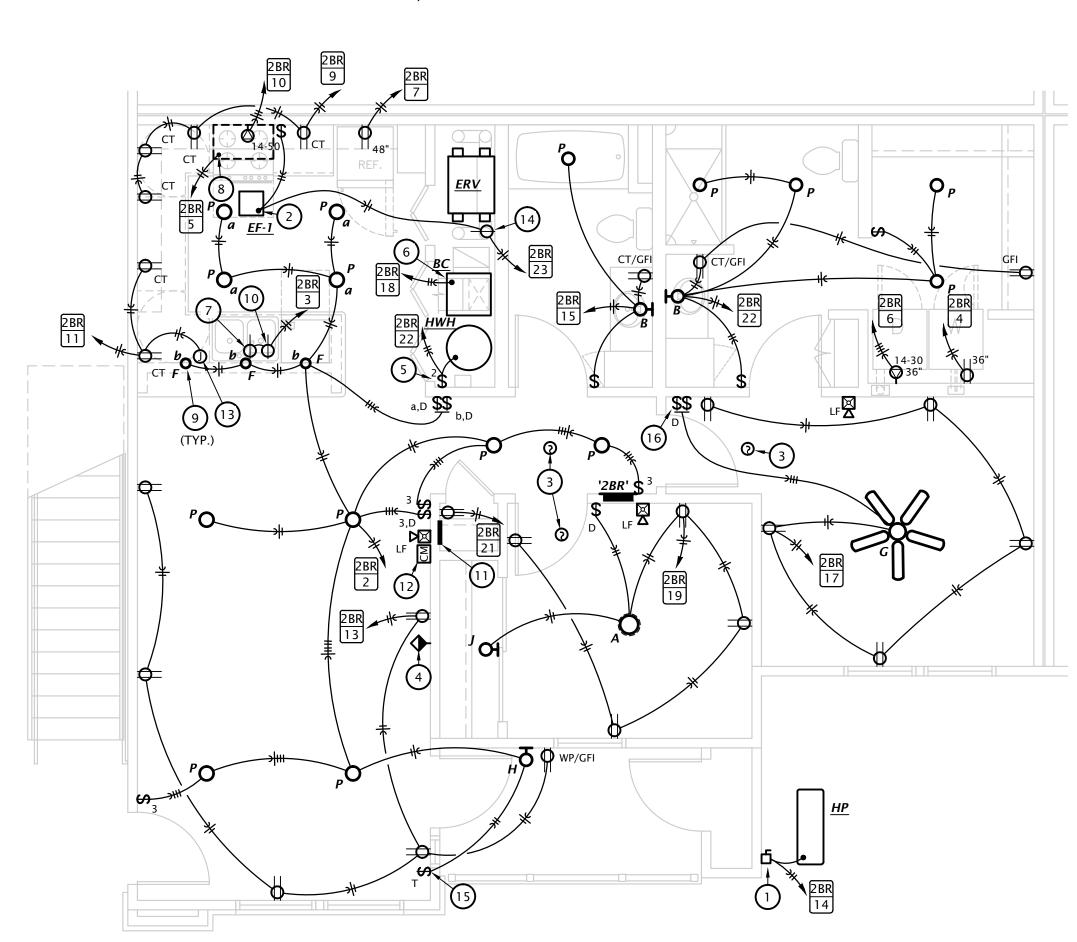
| | F | | 3 Bedroom Apartm 208/120V-1Ph-3W | | Mounting: Flush Bus Amps: 125 MCB Amps: MLO Other: 10 KAIC, unless noted otherwise Panel is typical for 3BR units | | | | |
|---|-----------|----------------------------------|-------------------------------------|-------------|---|-------------------|-------------------------|-----------|--|
| | Circuit # | Load Description | Conduct ors | C/B Size | C/B Size | Conductors | Load Description | Circuit # | |
| 3 | 1 | SPACE ONLY | - | | 20 / 1 | 2#12,#12G,1/2"C | KITCHEN/LIVING/HALL LTS | 2 | |
| 3 | 3 | DIS HWAS HER/DIS POS AL | 2#12,#12G,1/2"C | 20 / 1 | 20 / 1 | 2#12,#12G,1/2"C | CLOTHES WASHER RCPT | 4 | |
| 3 | 5 | HOOD/MICROWAVE | 2#12,#12G,1/2"C | 20 / 1 | 30 / 2 | 3#10, #10G, 3/4"C | CLOTHES DRYER | 6 | |
| 3 | 7 | REFRIGERATOR | 2# 12, # 12G, 1/2"C | 20 / 1 | | | | 8 | |
| 3 | 9 | COUNTER TOP RCPTS | 2# 12, # 12G, 1/2"C | 20 / 1 | 40 / 2 | 3# 8, # 10G, 1"C | RANGE | 10 | |
| 3 | 11 | COUNTER TOP/PEN. RECPTS | 2# 12, # 12G, 1/2"C | 20 / 1 | | | | 12 | |
| 1 | 13 | LIVING ROOM RCPTS | 2#12,#12G,1/2"C | 20 / 1 | 25 / 2 | 2#10,#10G,3/4"C | HEAT PUMP 'HP' | 14 | |
| | 15 | BATHROOM | 2#12,#12G,1/2"C | 20 / 1 | | | | 16 | |
| 1 | 17 | MASTER BEDROOM | 2#12,#12G,1/2"C | 20 / 1 | 45 / 2 | 2#6,#10G,3/4"C | BLOWER COIL 'BC' | 18 | |
| 1 | 19 | HALLWAY BEDROOM | 2#12,#12G,1/2"C | 20 / 1 | | | | 20 | |
| 1 | 21 | HALLWAY RCPTS | 2#12,#12G,1/2"C | 20 / 1 | 20 / 1 | 2#12,#12G,1/2"C | MASTER BATHROOM | 22 | |
| 1 | 23 | CORNER BEDROOM | 2#12,#12G,1/2"C | 20 / 1 | 30 / 2 | 2#10,#10G, 3/4"C | WATER HEATER 'HWH' | 24 | |
| | 25 | 'ERV'/ KITCHEN EXHAUST 'EF-1' | 2#12,#12G,1/2"C | 20 / 1 | | | | 26 | |
| | 27 | SPACE ONLY | - | _ | | | SPACE ONLY | 28 | |
| | 29 | SPACE ONLY | - | | - | | S PACE ONLY | 30 | |

| NOTE. PANELS DIVE | , D200, E102, E202 | , E302, G100, G | 1200, NIUZ, NZUZ, A | IND D302 SHALL | . BE 22 NAIC RATEL |
|-------------------|--------------------|-----------------|---------------------|----------------|--------------------|
| | | | | | |
| | | | | | |

| | Į. | Panel Designation: | 2BR APT# | | Mounting: Flush | | | | | | |
|---|-----------|----------------------------------|---------------------|---------------------|--------------------------------|--------------------|-------------------------|-----------|--|--|--|
| | | | 2 Bedroom Apartm | ne n <mark>t</mark> | | Bus Amps: | | | | | |
| | | _ | 208/120V-1Ph-3W | | MCB Amps: MLO Other: 10 KAIC | | | | | | |
| | | Enclosure: | NEMA 1 | | | | | | | | |
| | | | | | Panel is typical for 2BR units | | | | | | |
| | Circuit # | Load Description | Conductors | C/B Size | C/B Size | Conductors | Load Description | Circuit # | | | |
| 3 | 1 | SPACE ONLY | - | | 20 / 1 | 2#12, #12G, 1/2"C | KITCHEN/LIVING/HALL LTS | 2 | | | |
| 3 | 3 | DIS HWAS HER/DIS POS AL | 2# 12, # 12G, 1/2"C | 20 / 1 | 20 / 1 | 2#12, #12G, 1/2"C | CLOTHES WASHER RCPT | 4 | | | |
| 3 | 5 | HOOD/MICROWAVE | 2# 12, # 12G, 1/2"C | 20 / 1 | 30 / 2 | 3#10, #10G, 3/4"C | CLOTHES DRYER | 6 | | | |
| 3 | 7 | REFRIGERATOR | 2# 12, # 12G, 1/2"C | 20 / 1 | | | | 8 | | | |
| 3 | 9 | COUNTER TOP RCPTS | 2#12,#12G,1/2"C | 20 / 1 | 40 / 2 | 3#8,#10G,1"C | RANGE | 10 | | | |
| 3 | 11 | COUNTER TOP/PEN. RCPTS | 2# 12, # 12G, 1/2"C | 20 / 1 | | | | 12 | | | |
| 1 | 13 | LIVING ROOM RCPTS | 2# 12, # 12G, 1/2"C | 20 / 1 | 25 / 2 | 2#10, #10G, 3/4"C | HEAT PUMP 'HP' | 14 | | | |
| | 15 | BATHROO M | 2# 12, # 12G, 1/2"C | 20 / 1 | | | | 16 | | | |
| 1 | 17 | MASTER BEDROOM | 2# 12, # 12G, 1/2"C | 20 / 1 | 45 / 2 | 2#6,#10G,3/4"C | BLOWER COIL 'BC' | 18 | | | |
| 1 | 19 | HALLWAY BEDROOM | 2# 12, # 12G, 1/2"C | 20 / 1 | | | | 20 | | | |
| 1 | 21 | HALLWAY RCPTS | 2# 12, # 12G, 1/2"C | 20 / 1 | 20 / 1 | 2#12, #12G, 1/2"C | MASTER BATHROOM | 22 | | | |
| | 23 | 'ERV'/ KITCHEN EXHAUST 'EF-1' | 2#12,#12G,1/2"C | 20 / 1 | 30 / 2 | 2# 10,# 10G, 3/4"C | WATER HEATER 'HWH' | 24 | | | |
| | 25 | SPACE ONLY | | | | | | 26 | | | |
| | 27 | SPACE ONLY | | _ | | | SPACE ONLY | 28 | | | |
| | 29 | SPACE ONLY | | _ | | | SPACE ONLY | 30 | | | |

| | Panel Designation: | 1BR APT# | | Mounting: Flush | | | | | |
|-----------|--|------------------|-------------|--------------------------------|-------------------|--------------------------|-----------|--|--|
| | Location: | 1 Bedroom Apartn | ne nt | Bus Amps: 125 MCB Amps: MLO | | | | | |
| | _ | 208/120V-1Ph-3W | | | | | | | |
| | Enclosure: | NEMA 1 | | | Other: | 10 KAIC | | | |
| | , | | T. | 1 | | Panel is typical for 1BR | units | | |
| Circuit # | Load Description | Conductors | C/B Size | C/B Size | Conductors | Load Description | Circuit # | | |
| 1 | SPACE ONLY | | - | 20 / 1 | 2#12,#12G,1/2"C | KITCHEN/LIVING/HALL LTS | 2 | | |
| 3 | DIS HWAS HER/DIS POSAL | 2#12,#12G,1/2"C | 20 / 1 | 20 / 1 | 2#12,#12G,1/2"C | CLOTHES WASHER RCPT | 4 | | |
| 5 | HOOD/MICROWAVE | 2#12,#12G,1/2"C | 20 / 1 | 30 / 2 | 3#10, #10G, 3/4"C | CLOTHES DRYER | 6 | | |
| 7 | REFRIGERATOR | 2#12,#12G, 1/2"C | 20 / 1 | | | | 8 | | |
| 9 | COUNTER TOP RCPTS | 2#12,#12G,1/2"C | 20 / 1 | 40 / 2 | 3#8, #10G, 1"C | RANGE | 10 | | |
| 11 | COUNTER TOP/PEN. RCPTS | 2#12,#12G,1/2"C | 20 / 1 | | | | 12 | | |
| 13 | LIVING ROOM RCPTS | 2#12,#12G,1/2"C | 20 / 1 | 25 / 2 | 2#10, #10G, 3/4"C | HEAT PUMP 'HP' | 14 | | |
| 15 | BATHROOM | 2#12,#12G,1/2"C | 20 / 1 | | | | 16 | | |
| 17 | MASTER BEDROOM | 2#12,#12G,1/2"C | 20 / 1 | 45 / 2 | 2# 6,# 10G,3/4"C | BLOWER COIL 'BC' | 18 | | |
| 19 | HALLWAY / DINING RCPTS | 2#12,#12G,1/2"C | 20 / 1 | | | | 20 | | |
| 21 | 'ERV'/ KITCHEN EXHAUST 'EF-1' | 2#12,#12G,1/2"C | 20 / 1 | 30 / 2 | 2#10,#10G,3/4"C | WATER HEATER 'HWH' | 22 | | |
| I | 10 P C 10 | | | ll . | | | I | | |





2 BEDROOM POWER PLAN

1/4" = 1'-0"

ELECTRICAL NOTES BY SYMBOL

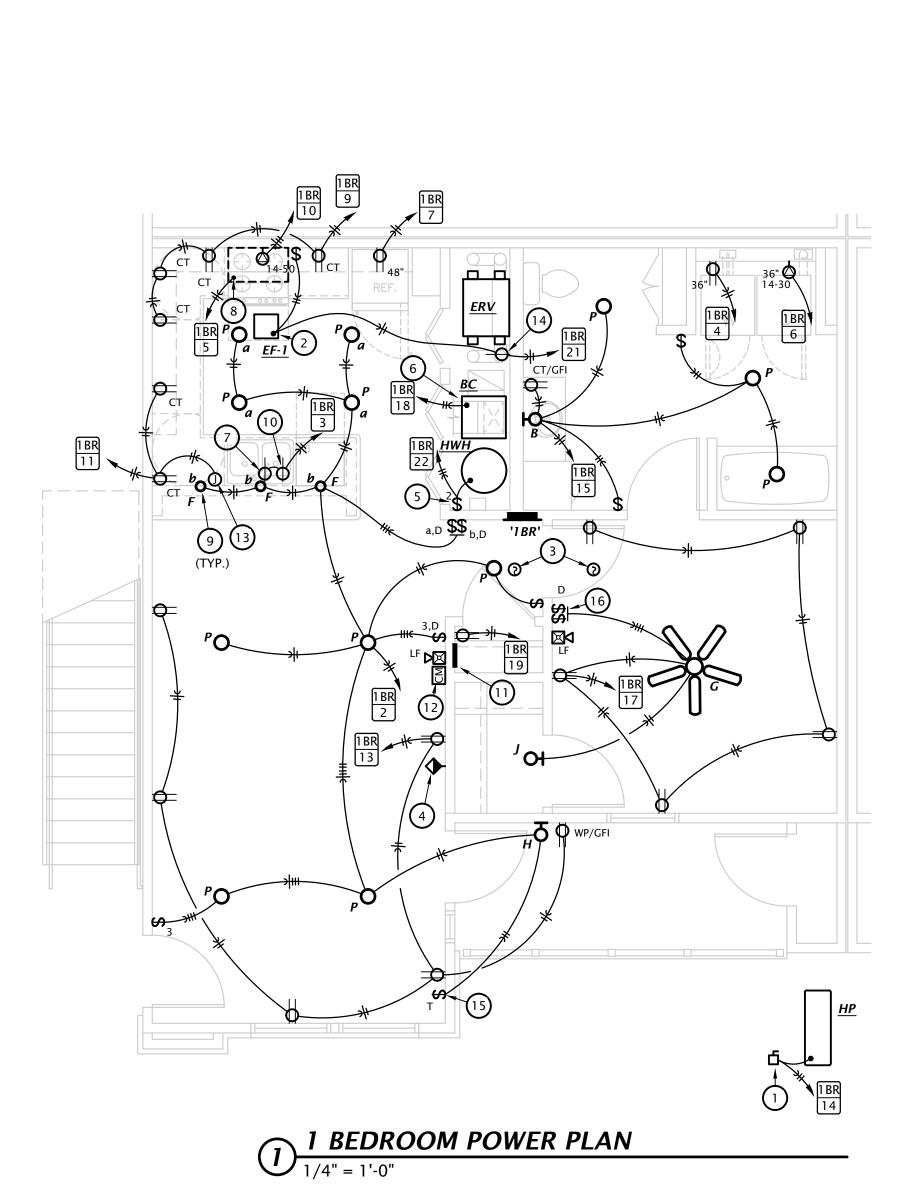
NOTES SHOWN ARE TYPICAL FOR ALL APARTMENTS WHERE APPLICABLE.

 VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PROVIDED OR SELECTED BY OWNER.

• PROVIDE TAMPER PROOF RECEPTACLES IN DWELLING UNITS PER NEC REQUIREMENTS.

PROVIDE 30A/2P/240V NEMA 3R DISCONNECT SWITCH AND CONNECT HEAT PUMP. UTILIZE LIQUID TIGHT FLEXIBLE METAL CONDUIT BETWEEN DISCONNECT AND HEAT PUMP. SEE SHEETS ME1.1 AND ME1.2 FOR LOCATIONS. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH

- 2. CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
- FIRE ALARM SYSTEM SMOKE DETECTOR.
- COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER. SEE 3:E6.1 FOR MORE INFORMATION.
- PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER.
- MAKE CONNECTION TO BLOWER COIL. EQUIPMENT TO BE PROVIDED WITH INTEGRAL DISCONNECT SWITCH. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION. COORDINATE REQUIREMENTS WITH
- PROVIDE SWITCHED SIMPLEX RECEPTACLE BELOW COUNTER FOR DISPOSAL OPERATION. SWITCH SHALL BE COUNTERTOP MOUNTED, AIR ACTIVATED PUSH BUTTON TYPE, FINISH TO MATCH SINK. COORDINATE EXACT LOCATION OF PUSH BUTTON WITH ARCHITECT.
- PROVIDE 120V CONNECTION TO MICROWAVE. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
- 9. INSTALL PENDANTS DIRECTLY ABOVE KNEE WALL BELOW. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT FIXTURE SPACIN G.
- 10. PROVIDE SIMPLEX RECEPTACLE BELOW COUNTER FOR CORD AND PLUG CONNECTION OF DISHWASHER. PROVIDE CORD AND GROUNDING PLUG AS REQUIRED. RECEPTACLE SHALL BE LOCATED IN BASE CABINET ADJACENT TO DISHWASHER TO ALLOW ACCESS TO PLUG.
- 11. TELECOM DISTRIBUTION DEVICE. SEE DETAIL 3, SHEET E6.1. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER.
- FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'0".
- 13. INSTALL JUNCTION BOX IN ACCESSIBLE LOCATION IN BASE CABINET OF PENINSULA TO MAKE PROVISIONS FOR FUTURE PENINSULA RECEPTACLE PER NEC 210.52(C)(2).
- 14. PROVIDE SIMPLEX RECEPTACLE FOR CORD AND PLUG CONNECTION OF ENERGY RECOVERY VENTILATOR 'ERV'...
- 15. PROVIDE DIGITAL WALL TIMER FOR DUSK TO DAWN OPERATION WITH MANUAL OVERRIDE FOR CONTROL OF EXTERIOR LIGHT..
- 16. SWITCH CEILING FAN AND LIGHT SEPARATELY.

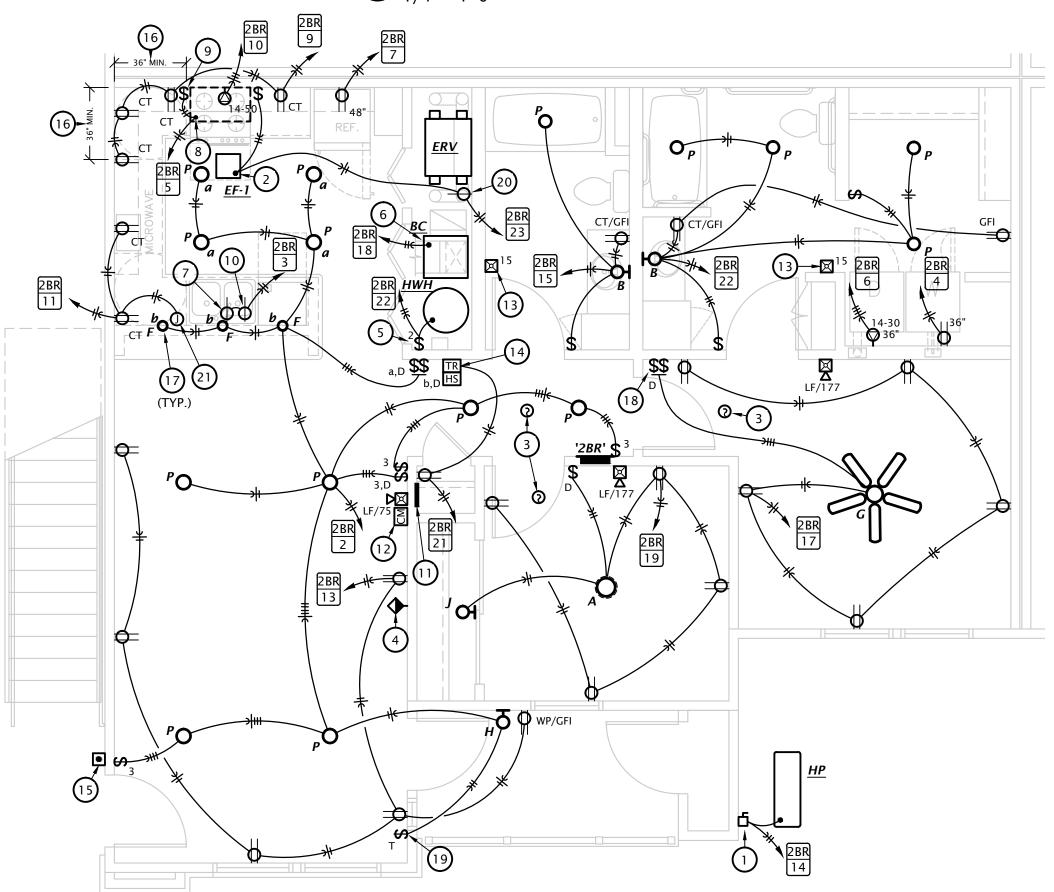


October 2023

10-2-2023 DATE: 22-3219 SHEET NO.:

E4.1

ACCESSIBLE 3 BEDROOM POWER PLAN



2 ACCESSIBLE 2 BEDROOM POWER PLAN

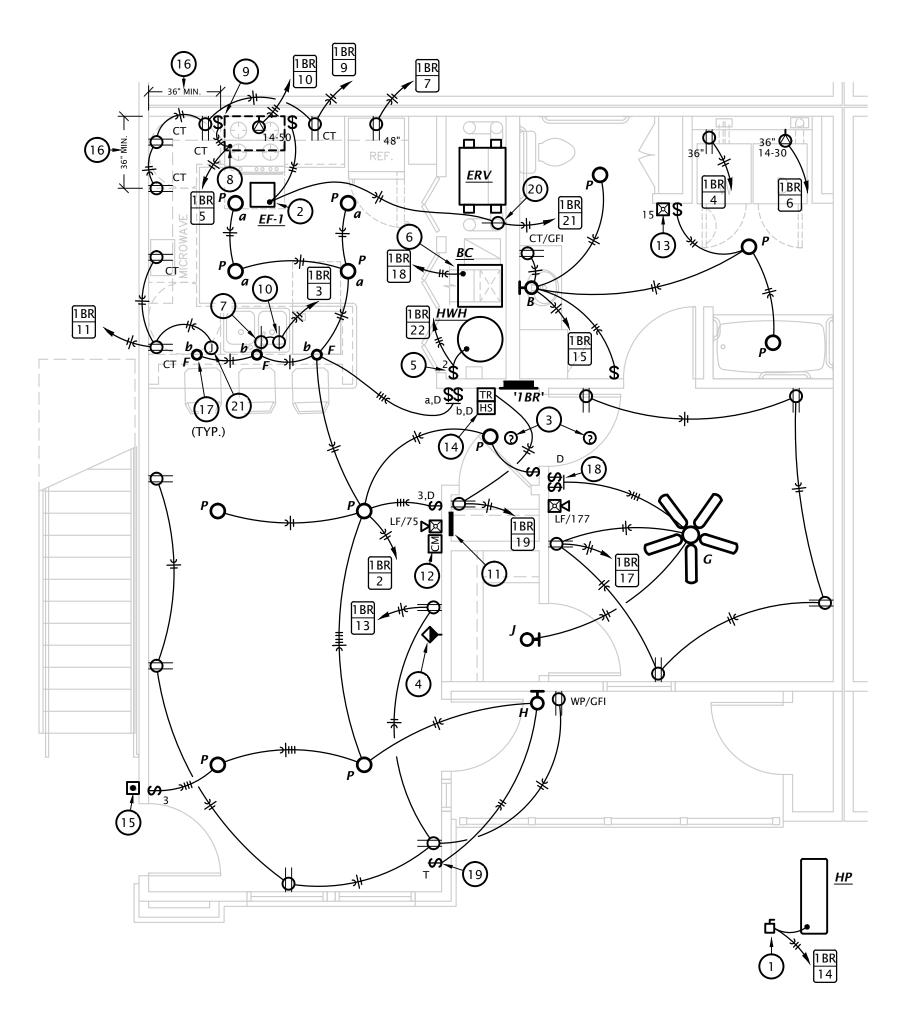
1/4" = 1'-0"

ELECTRICAL NOTES BY SYMBOL

NOTES SHOWN ARE TYPICAL FOR ALL APARTMENTS WHERE APPLICABLE.

 VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PROVIDED OR SELECTED BY OWNER.

- PROVIDE TAMPER PROOF RECEPTACLES IN DWELLING UNITS PER NEC REQUIREMENTS. 1. PROVIDE 30A/2P/240V NEMA 3R DISCONNECT SWITCH AND CONNECT HEAT PUMP. UTILIZE LIQUID TIGHT FLEXIBLE METAL CONDUIT BETWEEN DISCONNECT AND HEAT PUMP. SEE SHEETS
- ME1.1 AND ME1.2 FOR LOCATIONS. 2. CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
- FIRE ALARM SYSTEM SMOKE DETECTOR.
- 4. COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER. SEE 3:E6.1 FOR MORE INFORMATION.
- 5. PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER.
- 6. MAKE CONNECTION TO BLOWER COIL. EQUIPMENT TO BE PROVIDED WITH INTEGRAL DISCONNECT SWITCH. SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION. COORDINATE REQUIREMENTS WITH
- 7. PROVIDE SWITCHED SIMPLEX RECEPTACLE BELOW COUNTER FOR DISPOSAL OPERATION. SWITCH SHALL BE COUNTERTOP MOUNTED, AIR ACTIVATED PUSH BUTTON TYPE, FINISH TO MATCH SINK. COORDINATE EXACT LOCATION OF PUSH BUTTON WITH ARCHITECT.
- 8. PROVIDE 120V CONNECTION TO RANGE HOOD. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
- 9. PROVIDE SWITCH IN ACCESSIBLE UNITS FOR CONTROL OF RANGE HOOD.
- 10. PROVIDE SIMPLEX RECEPTACLE BELOW COUNTER FOR CORD AND PLUG CONNECTION OF DISHWASHER. PROVIDE CORD AND GROUNDING PLUG AS REQUIRED. RECEPTACLE SHALL BE LOCATED IN BASE CABINET ADJACENT TO DISHWASHER TO ALLOW ACCESS TO PLUG.
- 11. TELECOM DISTRIBUTION DEVICE. SEE DETAIL 3, SHEET E6.1. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER.
- 12. FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'-0" AFF.
- 13. IN HEARING IMPAIRED APARTMENT BATHROOMS, PROVIDE AUXILIARY STROBE AT 80" AFF.
- 14. PROVIDE DOOR ANNUNCIATOR SYSTEM A/V HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 80" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. REFER TO DETAIL 4, SHEET E6.1. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
- 15. PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. REFER TO DETAIL 4, SHEET E6.1.
- 16. IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 'SIDE REACH OVER AN OBSTRUCTION' REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE.PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
- 17. INSTALL PENDANTS DIRECTLY ABOVE KNEE WALL BELOW. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT FIXTURE SPACING.
- 18. SWITCH CEILING FAN AND LIGHT SEPARATELY.
- 19. PROVIDE DIGITAL WALL TIMER FOR DUSK TO DAWN OPERATION WITH MANUAL OVERRIDE FOR CONTROL OF EXTERIOR LIGHT.
- 20. PROVIDE SIMPLEX RECEPTACLE FOR CORD AND PLUG CONNECTION OF ENERGY RECOVERY VENTILATOR 'ERV'.
- 21. INSTALL JUNCTION BOX IN ACCESSIBLE LOCATION IN BASE CABINET OF PENINSULA TO MAKE PROVISIONS FOR FUTURE PENINSULA RECEPTACLE PER NEC 210.52(C)(2).



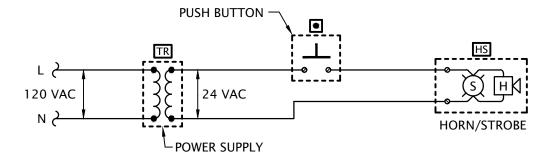




October 2023

10-2-2023 DATE: 22-3219 SHEET NO.:

E4.2



DOOR ALARM BUZZER SYSTEM NOTES

CURRENT LIMITING FUSES SHALL

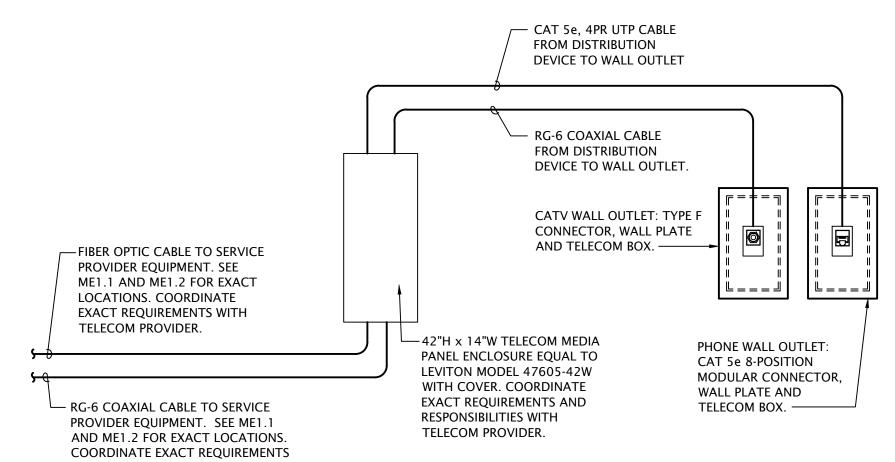
AT THE METER.

littelfuse.com

BE SELECTED TO LIMIT FAULTS TO 10,000 SYMMETRICAL RMS AMPS

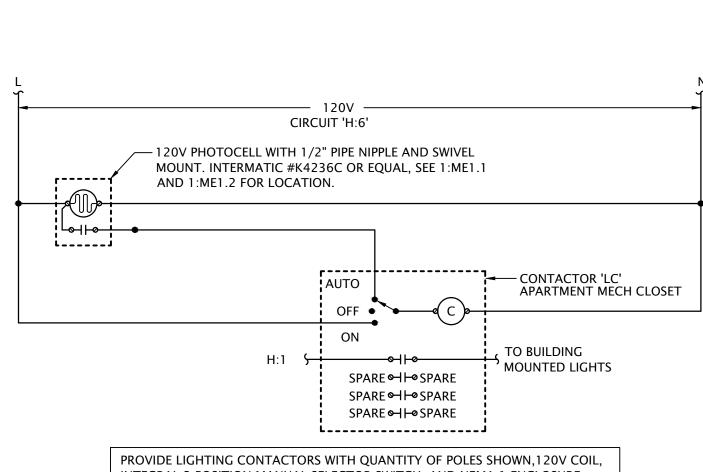
- 1. PROVIDE DOOR ANNUNCIATOR SYSTEM COMPLETE WITH PUSH BUTTON, HORN/STROBE(S), POWER SUPPLIES AND ALL WIRING REQUIRED. HORN/STROBE SHALL ACTIVATE WHEN PUSH BUTTON IS DEPRESSED.
- 2. HORN/STROBE SHALL OPERATE AT 24VAC, HAVE A CLEAR LENS WITH 50cd STROBE AND HORN WITH 82dB AT 10', UL 1638 LISTED, EDWARDS #6536-G5. FLUSH MOUNT IN WALL AT 6'-8" AFF.
- 3. PUSH BUTTON SHALL BE WHITE WITH CHROME RIM, NON-ILLUMINATED, WITH N.O. MOMENTARY CONTACTS, RATED FOR 0.67 AMPS AT 24VAC, EDWARDS #620. PROVIDE WITH STAINLESS STEEL COVER PLATE, EDWARDS #147-10. MOUNT AT 48" AFF.
- 4. POWER SUPPLY SHALL BE A LOW VOLTAGE CLASS 2 TRANSFORMER WITH 120VAC PRIMARY AND 24VAC SECONDARY, 20VA, EDWARDS #598. FLUSH MOUNT IN 2-GANG WALL BOX WITH BLANK COVER PLATE, DIRECTLY ABOVE HORN/STROBE.
- 5. LOW VOLTAGE CLASS 2 CABLING SHALL BE MINIMUM 18 AWG UNSHIELDED.

APARTMENT DOOR ANNUNCIATOR DIAGRAM No Scale



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WITH TELECOM PROVIDER. 3 APARTMENT TELECOM WIRING SCHEMATIC
No Scale



APARTMENT LIGHT FIXTURE SCHEDULE

MODEL NUMBER

FMML-13-8-30

4423003EN3-710

5913691S-15

EU2-LED-M12

SELECTED BY OWNER

15030EN-829

89029EN3-12

FMMCL-24-810-PIR

FMML-13-8-40-WL

SMD6R-6-930-WH

GLEON-SA2D-740-U-T2-HSS

GLEON-SA2D-740-U-T3-HSS

GLEON-SA1D-740-U-SL4-HSS

GLEON-SA1D-740-U-5WQ

GLEON-SA1D-740-U-T2-HSS

GLEON-SA2D-740-U-5WQ

GLEON-SA2D-740-U-T2-HSS

GLEON-SA2D-740-U-T3-HSS

GLEON-SA2D-740-U-T2-HSS

GLEON-SA2D-740-U-T3-HSS

ICO4-40/20/AR/LSS/20D

• All fixtures shall be provided with multi-volt driver capable of operating between 120V-277V

• Fixture/pole assemblies shall be rated for 100mph wind loads. Provide wind dampeners when recommended by the manufacturer.

1. Provide fixture/pole assembly with 22' round straight steel pole, bronze to match fixture. Fixture height shall not exceed 25'-0" AFG.

5. Provide fixture dusk to dawn control in accordance with Green Community requirements. See note 16 on sheet E1.1 for more information.

7. Provide fixture/pole assembly with 10' round straight steel pole, bronze to match fixture. Fixture height shall not exceed 12'-0" AFG.

6. Provide with test switch, status indicator and rechargeable nickel-cadmium battery for 90 minutes of emergency power.

MARK

R1

R2

R3

R4

R7

MANUF.

LITHONIA

SEAGULL

SEAGULL

LITHONIA

N/A

SEAGULL

SEAGULL

LITHONIA

LITHONIA

MCGRAW-EDISON

MCGRAW-EDISON

MCGRAW-EDISON

MCGRAW-EDISON

MCGRAW-EDISON

MCGRAW-EDISON

MCGRAW-EDISON

MCGRAW-EDISON

BULLARD

BOLLARDS

GOTHAM

All exterior fixtures shall be 4000K color temperature

• All interior fixtures shall be 3000K color temperature

2. Provide wall or ceiling mounted as required

4. Fixture shall be U.L. listed for wet locations

8. Fixture shall be U.L. listed for damp locations.

• All apartment light fixtures and ceiling fans shall be Energy Star rated

3. Where installed above showers and tubs fixture shall be wet location listed.

LAMP DATA

TYPE

1900 LUMEN 28W LED

9.5W LED

26W LED

1W LED

200 LUMEN

10W LED

20W LED

1225 LUMEN 17W LED

1985 LUMEN 28W LED

600 LUMEN 10W LED

15580 LUMEN 129W LED

15879 LUMEN 129W LED

7719 LUMEN 67W LED

8556 LUMEN 67W LED

7972 LUMEN 67W LED

16723 LUMEN 129W LED

15580 LUMEN 129W LED

15879 LUMEN 129W LED

15580 LUMEN 129W LED

15879 LUMEN 129W LED

600 LUMEN

6W LED

1900 LUMEN

21.5W LED

BALLAST/LED

STANDARD

MOUNTING

SURFACE

WALL

SURFACE

WALL

PENDANT AT 6'6"

AFF TO BOTTOM

SURFACE

WALL AT 6'8" AFF TO

CENTER MOUNT

SURFACE

SURFACE

POLE

POLE

POLE

POLE

POLE

POLE

POLE

POLE

SURFACE WALL

SURFACE

FINISH

WHITE

BURNT SIENNA

WHITE

WHITE

OLD BRONZE

BLACK

WHITE

WHITE

BLACK

BLACK

BLACK

BLACK

BLACK

BLACK

BLACK

BLACK

BLACK

WHITE

DESCRIPTION

13" ROUND LED FLUSH MOUNT

3 LAMP VANITY LIGHT

2 FOOT LINEAR LED WITH ACRYLIC LENS

LED EMERGENCY LIGHT

3"Ø x 12" HIGH DECORATIVE MINI-PENDANT

52" DIAMETER CEILING FAN WITH LED LIGHT KIT

OUTDOOR WALL LANTERN WITH GLASS LENS

24" WALL MOUNTED LED CLOSET LIGHT

13" ROUND LED FLUSH MOUNT

6" ROUND SURFACE MOUNT DOWNLIGHT LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE II

DISTRIBUTION LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE III

DISTRIBUTION LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE IV

DISTRIBUTION

LED AREA LIGHT, SINGLE HEAD WITH IES TYPE V DISTRIBUTION

LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE II

LED AREA LIGHT, SINGLE HEAD FULL IES TYPE IV DISTRIBUTION

LED AREA LIGHT, DUAL 90° HEAD FULL CUT-OFF WITH IES (1)

TYPE II AND (1) TYPE III DISTRIBUTION

LED AREA LIGHT, DUAL 180° HEAD WITH IES (1) TYPE II AND (1)

TYPE III DISTRIBUTION

DECORATIVE LED WALL SCONCE

4" DIAMETER LED WALL WASH DOWNLIGHT WITH 10° BEAM

ANGLE

INTEGRAL 3-POSITION MANUAL SELECTOR SWITCH, AND NEMA 1 ENCLOSURE.

2 EXTERIOR LIGHTING CONTROL DIAGRAM
No Scale

LIGHTING POLE-BOND LIGHT POLE TO GROUND WIRE BASE COVER ATTACHED 3/4" CHAMFERED TO POLE BASE CORNERS — - GROUT BETWEEN POLE BASE PLATE AND TOP OF CONCRETE BASE - (8) #6 VERTICAL BARS EQUALLY SPACED — #4 BAR HOOPS AT 16" O.C. LAP ENDS 16" MIN. FINISHED GRADE — 1 "Ø ANCHOR BOLT. NUMBER AND PLACEMENT PER MANUFACTURER'S RECOMMENDATIONS ----------— #6 GND IN 1"C 5/8"Ø x 10' GROUND ROD — - & - - |- - - - - - + -HDPE OR PVC CONDUIT—— - RIGID STEEL OR PVC CONDUIT

CONCRETE POLE BASE DETAIL

— POLE BASE BOLT DIA

PLUS 3", 18" Ø MIN.

LST Consulting Engineers, PA 125 S. Washington, Suite 15 Wichita, Kansas 67202 4809 Vue Du Lac Place, Suite 201 785.587.8042 316.285.0696 www.LSTengineers.com mail@LSTengineers.com October 2023



NOTES

4,5

1,4

7,4

7,4

7,4

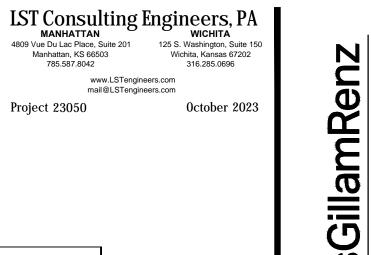
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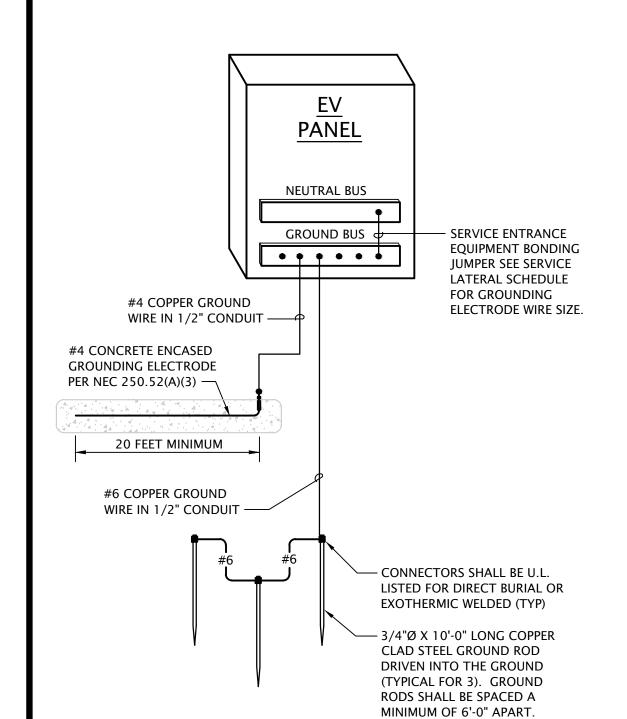
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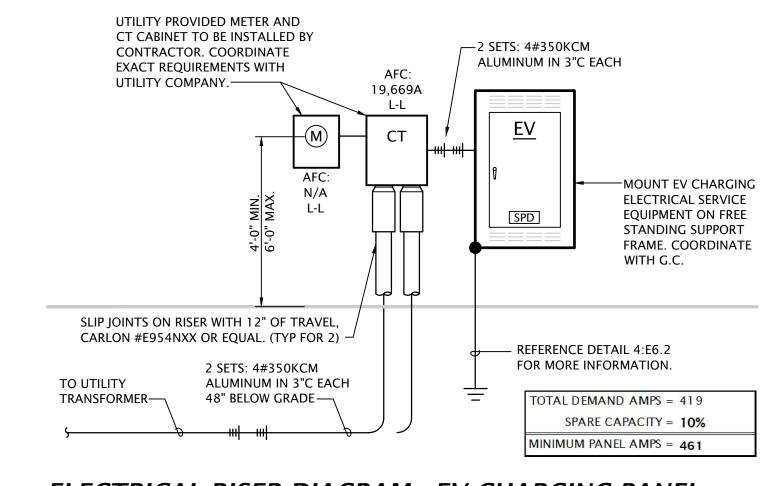
REVISION:

DATE: 10-2-2023 22-3219 SHEET NO .:





| SERVICE LOCATION | FEEDER SIZE (ALUMINUM) | SERVICE EQUIPMENT RATING | GROUNDING ELECTROD (ALUM. OR COPPER-CLA |
|------------------|--|--------------------------|--|
| BUILDING A | 3 SETS: (4) #500 KCML AL. 4" C. EACH | 42 KAIC | 4/0 |
| BUILDING B | 4 SETS: (4) #300 KCMIL CU. IN 3"C. EACH | 42 KAIC | 250 KCMIL |
| BUILDING C | 3 SETS: (4) #500 KCML AL. 4" C. EACH | 42 KAIC | 4/0 |
| BUILDING D | 4 SETS: (4) #400 KCMIL AL. IN 4" C. EACH | 42 KAIC | 4/0 |
| BUILDING E | 3 SETS: (4) #500 KCML AL. 4" C. EACH | 42 KAIC | 4/0 |
| BUILDING F | 3 SETS: (4) #500 KCML AL. 4" C. EACH | 22 KAIC | 4/0 |
| BUILDING G | 3 SETS: (4) #500 KCML AL. 4" C. EACH | 42 KAIC | 4/0 |
| BUILDING H | 3 SETS: (4) #500 KCML AL. 4" C. EACH | 42 KAIC | 4/0 |
| CLUBHOUSE | 2 SETS: (4) #250 KCM AL. IN 3" C. EACH | 22 KAIC | 3/0 |
| EV | 2 SETS: (4) #350 KCM AL. IN 3" C. EACH | 22 KAIC | 3/0 |



| <u>APARTMEN</u> | T FEEDI | ER SCHEDUL | E | | | | | | | | | | | | |
|-----------------|----------------|------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|------------|----------------|------------|----------------|-------------|----------------|
| BUILDING | β A | BUILDING | i В | BUILDING C | | BUILDING | BUILDING D | | BUILDING E | | BUILDING F | | G | BUILDING | S H |
| APARTMENT# | FEEDER SIZE | APARTMENT# | FEEDER SIZE | APARTMENT # | FEEDER SIZE | APARTMENT # | FEEDER SIZE | APARTMENT # | FEEDER SIZE | APARTMENT# | FEEDER SIZE | APARTMENT# | FEEDER SIZE | APARTMENT # | FEEDER SIZE |
| A101 | NOTE #3 | B101 | NOTE #3 | C101 | NOTE #1 | D101 | NOTE #3 | E101 | NOTE #1 | F101 | NOTE #1 | G101 | NOTE #3 | H101 | NOTE #1 |
| A102 | NOTE #3 | B102 | NOTE #3 | C102 | NOTE #1 | D102 | NOTE #4 | E102 | NOTE #1 | F102 | NOTE #1 | G102 | NOTE #4 | H102 | NOTE #1 |
| A103 | NOTE #2 | B103 | NOTE #2 | C103 | NOTE #1 | D103 | NOTE #2 | E103 | NOTE #2 | F103 | NOTE #1 | G103 | NOTE #2 | H103 | NOTE #2 |
| A104 | NOTE #2 | B104 | NOTE #2 | C104 | NOTE #1 | D104 | NOTE #3 | E104 | NOTE #1 | F104 | NOTE #1 | G104 | NOTE #3 | H104 | NOTE #1 |
| A105 | NOTE #1 | B105 | NOTE #1 | C105 | NOTE #2 | D105 | NOTE #1 | E105 | NOTE #3 | F105 | NOTE #2 | G105 | NOTE #1 | H105 | NOTE #3 |
| A106 | NOTE #1 | B106 | NOTE #1 | C106 | NOTE #2 | D106 | NOTE #2 | E106 | NOTE #2 | F106 | NOTE #2 | G106 | NOTE #2 | H106 | NOTE #2 |
| A107 | NOTE #1 | B107 | NOTE #1 | C107 | NOTE #3 | D107 | NOTE #1 | E107 | NOTE #4 | F107 | NOTE #3 | G107 | NOTE #1 | H107 | NOTE #4 |
| A108 | NOTE #1 | B108 | NOTE #1 | C108 | NOTE #3 | D108 | NOTE #1 | E108 | NOTE #3 | F108 | NOTE #3 | G108 | NOTE #1 | H108 | NOTE #3 |
| A201 | NOTE #3 | B201 | NOTE #3 | C201 | NOTE #1 | D201 | NOTE #3 | E201 | NOTE #1 | F201 | NOTE #1 | G201 | NOTE #3 | H201 | NOTE #1 |
| A202 | NOTE #3 | B202 | NOTE #3 | C202 | NOTE #1 | D202 | NOTE #4 | E202 | NOTE #1 | F202 | NOTE #1 | G202 | NOTE #4 | H202 | NOTE #1 |
| A203 | NOTE #2 | B203 | NOTE #2 | C203 | NOTE #1 | D203 | NOTE #2 | E203 | NOTE #2 | F203 | NOTE #1 | G203 | NOTE #2 | H203 | NOTE #2 |
| A204 | NOTE #2 | B204 | NOTE #2 | C204 | NOTE #1 | D204 | NOTE #3 | E204 | NOTE #1 | F204 | NOTE #1 | G204 | NOTE #3 | H204 | NOTE #1 |
| A205 | NOTE #1 | B205 | NOTE #1 | C205 | NOTE #2 | D205 | NOTE #1 | E205 | NOTE #3 | F205 | NOTE #2 | G205 | NOTE #1 | H205 | NOTE #3 |
| A206 | NOTE #1 | B206 | NOTE #1 | C206 | NOTE #2 | D206 | NOTE #2 | E206 | NOTE #2 | F206 | NOTE #2 | G206 | NOTE #2 | H206 | NOTE #2 |
| A207 | NOTE #1 | B207 | NOTE #1 | C207 | NOTE #3 | D207 | NOTE #1 | E207 | NOTE #4 | F207 | NOTE #3 | G207 | NOTE #1 | H207 | NOTE #4 |
| A208 | NOTE #1 | B208 | NOTE #1 | C208 | NOTE #3 | D208 | NOTE #1 | E208 | NOTE #3 | F208 | NOTE #3 | G208 | NOTE #1 | H208 | NOTE #3 |
| A301 | NOTE #3 | B301 | NOTE #3 | C301 | NOTE #1 | D301 | NOTE #3 | E301 | NOTE #1 | F301 | NOTE #1 | G301 | NOTE #3 | H301 | NOTE #1 |
| A302 | NOTE #3 | B302 | NOTE #3 | C302 | NOTE #1 | D302 | NOTE #4 | E302 | NOTE #1 | F302 | NOTE #1 | G302 | NOTE #4 | H302 | NOTE #1 |
| A303 | NOTE #2 | B303 | NOTE #2 | C303 | NOTE #1 | D303 | NOTE #3 | E303 | NOTE #2 | F303 | NOTE #1 | G303 | NOTE #3 | H303 | NOTE #2 |
| A304 | NOTE #2 | B304 | NOTE #2 | C304 | NOTE #1 | D304 | NOTE #3 | E304 | NOTE #1 | F304 | NOTE #1 | G304 | NOTE #3 | H304 | NOTE #1 |
| A305 | NOTE #1 | B305 | NOTE #1 | C305 | NOTE #2 | D305 | NOTE #1 | E305 | NOTE #3 | F305 | NOTE #2 | G305 | NOTE #1 | H305 | NOTE #3 |
| A306 | NOTE #1 | B306 | NOTE #1 | C306 | NOTE #2 | D306 | NOTE #2 | E306 | NOTE #3 | F306 | NOTE #2 | G306 | NOTE #2 | H306 | NOTE #3 |
| A307 | NOTE #1 | B307 | NOTE #1 | C307 | NOTE #3 | D307 | NOTE #1 | E307 | NOTE #4 | F307 | NOTE #3 | G307 | NOTE #1 | H307 | NOTE #4 |
| A308 | NOTE #1 | B308 | NOTE #1 | C308 | NOTE #3 | D308 | NOTE #1 | E308 | NOTE #3 | F308 | NOTE #3 | G308 | NOTE #1 | H308 | NOTE #3 |

TRENCHING AND BACKFILL. VERIFY EXTENT OF WORK AND

FITTINGS AT SERVICE ENTRANCE CONDUIT CONNECTIONS.

SEE SERVICE LATERAL SCHEDULE, THIS SHEET FOR MORE

INFORMATION.

RESPONSIBILITIES WITH UTILITY CO. PROVIDE APPROVED SLIP

FEEDER SIZING NOTES:

- 1: BASE BID (COPPER): 3#2, #6G, 1-1/4"C OR MC CABLE
- ALTERNATE BID (ALUMINUM): 3#1/0, #2G, 1-1/2"C OR MC CABLE
- 2: BASE BID (COPPER): 3#1, #4G, 1-1/4"C OR MC CABLE ALTERNATE BID (ALUMINUM): 3#2/0, #1G, 2"C OR MC CABLE
- 3: BASE BID (COPPER): 3#2/0, #2G, 2"C OR MC CABLE
- ALTERNATE BID (ALUMINUM): 3#4/0, #1/0G, 2"C OR MC CABLE 4: BASE BID (COPPER): 3#3/0, #2G, 2"C OR MC CABLE
- ALTERNATE BID (ALUMINUM): 3#250, #2/0G, 2-1/2"C OR MC CABLE

GENERAL NOTES:

- Voltage drop has been accounted for in sizes indicated, further up-sizing of feeders is not necessary.

- Ensure panel lugs are adequately sized to handle up-sized feeders.

No Scale

EV CHARGING PANEL SERVICE GROUNDING ELECTRODE SYSTEM

| | ETER NTER | | |
|---|--------------|--|--|
| | ND BUS | SERVICE ENTRANCE EQUIPMENT BONDING JUMPER SEE SERVICE LATERAL SCHEDULE FOR GROUNDING ELECTRODE WIRE SIZE. | |
| #4 COPPER GROUND WIRE IN 1/2" CONDUIT #4 CONCRETE ENCASED GROUNDING ELECTRODE PER NEC 250.52(A)(3) 20 FEET MINIMUM #6 COPPER GROUND WIRE IN 1/2" CONDUIT | | COPPER GROUND WIRE IN 3/4" CONDUIT. SEE SERVICE LATERAL SCHEDULE FOR WIRE SIZE. CONNECT TO THE MAIN COLD WATER PIPE AHEAD OF THE MAIN WATER SHUT-OFF VALVE. BOND ALL INTERIOR METALLIC PIPING, INCLUDING, BUT NOT LIMITED TO AUTOMATIC FIRE SPRINKLER PIPING PER NEC 250.104. BOND TO BUILDING STRUCTURAL STEEL | |
| | #6 #6 | CONNECTORS SHALL BE U.L. LISTED FOR DIRECT BURIAL OR EXOTHERMIC WELDED (TYP) 3/4"Ø X 10'-0" LONG COPPER CLAD STEEL GROUND ROD DRIVEN INTO THE GROUND (TYPICAL FOR 3). GROUND RODS SHALL BE SPACED A MINIMUM OF 6'-0" APART. | |

| | APARTMENT BUILDING |
|---|------------------------------------|
| , | SERVICE GROUNDING ELECTRODE SYSTEM |
|) | |

ELECTRICAL RISER DIAGRAM - EV CHARGING PANEL

No Scale 195.8" 18.66" 22.4" 19.44" 19.44" 19.44" 18.66" 19.44" 19.44" 19.44" 19.44" — (1) 3-SOCKET METER CENTER (1) 4-SOCKET METER CENTER WITH (3) 4-SOCKET METER -(2) 3-SOCKET METER CENTER WITH WITH BRANCH CIRCUIT BRANCH CIRCUIT BREAKERS. CENTER WITH BRANCH BRANCH CIRCUIT BREAKERS. SQUARE D EZ METER PAK #EZML314225, WITH (4) MODEL BREAKERS. SQUARE D EZ SQUARE D EZ METER PAK CIRCUIT BREAKERS. METER PAK #EZML314225 #EZML314225, WITH (3) MODEL SQUARE D EZ METER PAK #Q?P22125TM BRANCH BREAKERS WITH (2) MODEL #Q?P22125TM BRANCH BREAKERS #EZML314225, WITH (4) #Q?P22125TM BRANCH MODEL #Q?P22125TM BREAKERS AND (1) BRANCH BREAKERS — #Q?P22100TM BRANCH BREAKER 6'-6" AFG (MAXIMUM) See sheets ME1.0 - ME1.2 for meter center SEE APARTMENT FEEDER locations. SCHEDULE, THIS SHEET. Main disconnect section shall be rated for maximum 10,000A peak let through. PANEL 'APT 206' PANEL 'APT 101' PANEL 'APT 105' [------[] All conductor sizes are based on copper, _ ±4'-9" AFG 🕻 [-----------[] U.N.O. MOUNTING CHANNEL: Entire installation shall comply with NEC. Coordinate all responsibilities and requirements with utility company and pay associated fees. Contact Information: PANEL 'APT 202' PANEL 'APT 205' PANEL 'APT 102' PANEL 'APT 306' Christopher Jackson Xcel Energy Christopher.M.Corbin@xcelenergy.com 720.762.3757 PANEL 'APT 203' PANEL 'APT 305' PANEL 'APT 107' PANEL 'APT 108' HOUSE PANEL Coordinate final location of meter assemblies with utility company. Provide shop drawings of proposed equipment whether as specified or substituted to utility 3'-0" AFG € BOTTOM METER: (3)#1,#8G (CU) IN 1-1/4" RMC, company for approval. All meter center components shall be NEMA MAIN LUG METER CENTER MAIN METER CENTER MAIN (3)#1, #6 (AL) IN 1-1/4" RMC ——— TERMINAL BOX. PANEL 'APT 104' PANEL 'APT 204' PANEL 'APT 304 FUSIBLE SWITCH. FUSIBLE SWITCH. All dimensions based on Square D **SQUARE D EZ METER** SQUARE D EZ METER SQUARE D EZ METER PAK #EZM31600TB, equipment, it is the contractor's PAK #EZM3600FS, PAK #EZM3600FS, 208/120V THREE responsibility to verify the dimensions of 208/120V THREE 208/120V THREE PHASE, 4 MAIN. substitute equipment and receive approval PHASE, 4 WIRE, WITH PHASE, 4 WIRE, WITH from utility for substitution. 600A CLASS 'T' FUSES. 600A CLASS 'T' FUSES. For each meter, provide a permanent brass, copper or aluminum tag identifying the apartment served. Tags shall be securely fastened to the meter base and be stamped with 1/8" letters, minimum. FINISHED GRADE — GROUNDING ELECTRODE CONDUCTOR TO CONCRETE ENCASED ELECTRODE, UNDERGROUND METAL WATER PIPE, AND DRIVEN GROUND ROD. BOND ALL ITEMS IN ACCORDANCE WITH NEC ARTICLE 250. SEE SERVICE LATERAL SCHEDULE, THIS SHEET, FOR GEC SIZING. SEE 1:ME1.0 FOR CONTINUATION. - PROVIDE SERVICE LATERAL FROM METER ASSEMBLY BELOW GRADE TO UTILITY CO. TRANSFORMER. PROVIDE ALL

1 ELECTRICAL RISER DIAGRAM - TYPICAL
No Scale

REVISION:

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2

DATE: 10-2-2023 22-3219 SHEET NO.:

PANEL SCHEDULE NOTES BY SYMBOL

- 1. HEAT TRACE CIRCUITS SHALL HAVE GFCI TYPE BREAKERS.
- 2. DESIGNATED CIRCUIT ONLY REQUIRED FOR HOUSE PANEL 'D'.

| F | Panel Designation: | H* | | Mounting: Surface | | | | | |
|------------|----------------------------|------------------------|-------------|--------------------------|-----------------------|-------------------------------|-----------|--|--|
| | Location: | Exterior Wall | | Bus Amps: 100 | | | | | |
| | Voltage: | 208/120V-1Ph-3W | | MCB Amps: MLO | | | | | |
| | Enclosure: | NEMA 3R | | Other: 10 KAIC | | | | | |
| *Label par | nel with 'H' followed by | building designation l | etter. | er. Equipment Ground Bar | | | | | |
| Circuit # | Load Description | Conductors | C/B Size | C/B Size | Conductors | Load Description | Circuit # | | |
| 1 | BUILDING MOUNTED LIGHTS | (2)# 12,#12G, 1/2"C. | 20 / 1 | 20 / 1 | (2)# 12,#12G, 1/2"C. | FACP | 2 | | |
| 3 | WALL HEATER | (2)# 12,#12G, 1/2"C. | 20 / 1 | 20 / 1 | (2)# 12,# 12G, 1/2"C. | RCPT | 4 | | |
| 5 | LTG -SITE | (2)# 10,# 10G, 3/4"C | 20 / 2 | 20 / 1 | (2)# 12,# 12G, 1/2"C | EXTERIOR LIGHTING CONTROLS | 6 | | |
| 7 | | | | 20 / 1 | (2)# 10,# 10G, 3/4"C | FUTURE RADON FANS | 8 | | |
| 9 | HEAT TRACE | (2)# 12,#12G, 1/2"C. | 20 / 1 | 20 / 1 | (2)# 12,# 12G, 1/2"C | AIR COMPRESSOR | 10 | | |
| 11 | HEAT TRACE | (2)#12,#12G, 1/2"C. | 20 / 1 | 20 / 1 | (2)# 10,# 10G, 3/4"C | MONUMENT SIGN | 12 | | |
| 13 | SPACE | | | _ | | SPACE | 14 | | |
| 15 | SPACE | | | | | SPACE | 16 | | |
| 17 | SPACE | | | - | | SPACE | 18 | | |
| 19 | SPACE | | | - | | SPACE | 20 | | |
| 21 | SPACE | | | _ | | SPACE | 22 | | |
| 23 | SPACE | | | - | | SPACE | 24 | | |

| ı | Panel Designation: Location: Voltage: Enclosure: | Site 208Y/120V-3Ph-4W | Mounting: Surface Bus Amps: 600 W MCB Amps: MLO Other: 22 KAIC, Equipment Ground | | | | |
|-----------|---|------------------------------|---|-------------|-----------------|--|-----------|
| Circuit # | Load Description | Conductors | C/B Size | C/B Size | Conductors | Load Description | Circuit # |
| 1 | EV CHARGING STATION | SEE SHEET ME1.0 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION | 2 |
| 3 | EV1 - PORT A | NOTE # 1 | | | NOTE #1 | EV2 - PORT A | 4 |
| 5 | EV CHARGING STATION | SEE SHEET ME1.0 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION | 6 |
| 7 | EV1 - PORT B | NOTE # 1 | | | NOTE#1 | EV2-PORT B | 8 |
| 9 | EV CHARGING STATION | SEE SHEET ME 1.0 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION | 10 |
| 11 | EV3 - PORT A | NOTE # 1 | | | NOTE#1 | EV4 - PORT A | 12 |
| 13 | EV CHARGING STATION | SEE SHEET ME1.0 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION | 14 |
| 15 | EV3 - PORT B | NOTE # 1 | | | NOTE#1 | EV4 - PORT B | 16 |
| 17 | EV CHARGING STATION | SEE SHEET ME 1.0 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION | 18 |
| 19 | EV5 - PORT A | NOTE # 1 | | | NOTE # 1 | EV6 - PORT A | 20 |
| 21 | EV CHARGING STATION | SEE SHEET ME1.0 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION | 22 |
| 23 | EV5 - PORT B | NOTE # 1 | .07 2 | .072 | NOTE #1 | EV6 - PORT B | 24 |
| 25 | EV CHARGING STATION | SEE SHEET ME1.0 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION | 26 |
| 27 | EV7 - PORT A | NOTE # 1 | 10 / 2 | 10 / 2 | NOTE # 1 | EV8 - PORT A | 28 |
| 29 | EV CHARGING STATION | SEE SHEET ME 1.0 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION | 30 |
| 31 | EV7 - PORT B | NOTE # 1 | 40 / 2 | 40 / 2 | NOTE #1 | EV8 - PORT B | 32 |
| 33 | EVICUADOING STATION | CEE CHEET ME LO | 40 / 2 | 40 / 2 | | EV CHARCING STATION | 34 |
| 35 | EV CHARGING STATION EV9 - PORT A | SEE SHEET ME1.0 NOTE # 1 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION EV10 - PORT A | 36 |
| 37 | | 055 011557 1511 0 | 10 / 0 | 40.40 | NOTE # 1 | 5,4,0,4,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, | 38 |
| 39 | EV CHARGING STATION EV9 - PORT B | SEE SHEET ME1.0 NOTE # 1 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION EV10 - PORT B | 40 |
| 41 | | | | | NOTE # 1 | | 42 |
| 43 | EV CHARGING STATION EV11 - PORT A | SEE SHEET ME 1.0 NOTE # 1 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION EV12 - PORT A | 44 |
| 110-00 | | | | | NOTE # 1 | | |
| 45 | EV CHARGING STATION EV11 - PORT B | SEE SHEET ME1.0 NOTE # 1 | 40 / 2 | 40 / 2 | SEE SHEET ME1.0 | EV CHARGING STATION EV12 - PORT B | 46 |
| 47 | CDACE | | | | NOTE # 1 | CRACE | 48 |
| 49 | SPACE | | 17-11 | 15-21 | _ | SPACE | 50 |
| 51 | S PACE MAINTENANCE | | g=0 | | | SPACE | 52 |
| 53 | RECEPTACLE | (2)#10,10G.,3/4"C. | 20 / 1 | | | SPACE | 54 |

| Area 1216 SF | | | Connected Load (VA) | |
|---|------------------|-----------------|------------------------|-----------|
| Feeder & Service Loads per NEC 220.82 Part IV | | | 2000 (171) | 2000 (17) |
| B1 General Loads (220.82 (B)(1)) | | | | |
| a Lighting & Receptacles | 3 VA/SF | 1216 SF | 3,648 | |
| B2 Required Circuits (220.82 (B)(2)) | | | | |
| a Laundry Circuit | 1,500 VA/Circuit | 1 Circuit | 1,500 | |
| b Kitchen Circuits | 1,500 VA/Circuit | 2 Circuit | 3,000 | |
| B3 Nameplate Ratings of Equipment (220.82 (B)(3)) | | | | |
| a Electric Clothes Dryer | 5,000 VA/Circuit | 1 ea | 5,000 | |
| b Electric Range | 8,000 VA/Circuit | 1 ea | 8,000 | |
| c Dishwasher | 840 VA/Circuit | 1 ea | 840 | |
| d Microwave | 1000 VA/Circuit | 1 ea | 1,000 | |
| e Disposal | 1,175 VA/Circuit | 1 ea | 1,175 | |
| f Water Heater | 5,000 VA/Circuit | 1 ea | 5,000 | |
| f Refrigerator | 1,200 VA/Circuit | 1 ea | 1,200 | |
| B4 Nameplate Ratings of Motors (220.82 (B)(4)) | | | | |
| Motor (ERV Fan) | 72 VA/Circuit | 1 ea | 72 | |
| Motor (Blower Coil Fan) | 687 VA/Circuit | 1 ea | 687 | |
| , | Part (B) Conne | cted Load Total | 31,122 | • |
| Part (B) Demand Load Total | ` ' | | · · | 18,449 |
| C3 65% Nameplate Rating of electric space heating | (220.82 (C)(3)) | | | |
| Blower Coil Electric Heat | 6,000 VA/Circuit | 1 ea | 3,900 | |
| | Part (C.) Conne | cted Load Total | 3,900 | ŧ |
| | Part (C. |) Demand Load | | 3,900 |
| | Total Dw | elling Unit Dei | mand Load | 22,349 |
| | | Total NEC D | Demand VA | 22,349 |
| | | mps @ 120/20 | | 107 |

2 Bed / 2 Bath Unit - Feeder Calculation

| Area 1037 SF | | | | |
|--|-----------------------|-----------------|------------|-----------|
| | | | Connected | |
| | | | Load (VA) | Load (VA) |
| Feeder & Service Loads per NEC 220.82 Part IV | | | | |
| B1 General Loads (220.82 (B)(1)) | | | | |
| a Lighting & Receptacles | 3 VA/SF | 1037 SF | 3,111 | |
| B2 Required Circuits (220.82 (B)(2)) | | | | |
| a Laundry Circuit | 1,500 VA/Circuit | 1 Circuit | 1,500 | |
| b Kitchen Circuits | 1,500 VA/Circuit | 2 Circuit | 3,000 | |
| B3 Nameplate Ratings of Equipment (220.82 (B)(3)) | | | | |
| a Electric Clothes Dryer | 5,000 VA/Circuit | 1 ea | 5,000 | |
| b Electric Range | 8,000 VA/Circuit | 1 ea | 8,000 | |
| c Dishwasher | 840 VA/Circuit | 1 ea | 840 | |
| d Microwave | 1000 VA/Circuit | 1 ea | 1,000 | |
| e Disposal | 1,175 VA/Circuit | 1 ea | 1,175 | |
| f Water Heater | 5,000 VA/Circuit | 1 ea | 5,000 | |
| f Refrigerator | 1,200 VA/Circuit | 1 ea | 1,200 | |
| B4 Nameplate Ratings of Motors (220.82 (B)(4)) | | | | |
| Motor (ERV Fan) | 72 VA/Circuit | 1 ea | 72 | |
| Motor (Blower Coil Fan) | 687 VA/Circuit | 1 ea | 687 | |
| | Part (B) Conne | ected Load Tota | 30,585 | • |
| Part (B) Demand Load Total (1 | 00% of 1st 10KVA + 40 | % of remainder |) | 18,234 |
| C3 65% Nameplate Rating of electric space heating (220 | .82 (C)(3)) | | | |
| Blower Coil Electric Heat | 6,000 VA/Circuit | 1 ea | 3,900 | |
| | Part (C.) Conne | ected Load Tota | 3,900 | • |
| | Part (C | .) Demand Load | d | 3,900 |
| | Total Dw | elling Unit De | mand Load | 22,134 |
| | | Total NEC [| Demand VA | 22,134 |
| | Total A | Amps @ 120/20 |)8V-1Ph-3W | 106 |
| Provide 125A Load Center & Fee | | . • | | |
| Flovide 123A Load Celliel & Fee | eu wiui 110A/2P Di | eakei | | |
| | | | | |

| Area 829 SF | | | | |
|---|-------------------------------|-----------------|---------------------|--------|
| | | | Connected Load (VA) | |
| eeder & Service Loads per NEC 220.82 Part IV | | | · , , | • |
| B1 General Loads (220.82 (B)(1)) | | | | |
| a Lighting & Receptacles | 3 VA/SF | 829 SF | 2,487 | |
| B2 Required Circuits (220.82 (B)(2)) | | | | |
| a Laundry Circuit | 1,500 VA/Circuit | 1 Circuit | 1,500 | |
| b Kitchen Circuits | 1,500 VA/Circuit | 2 Circuit | 3,000 | |
| B3 Nameplate Ratings of Equipment (220.82 (B)(3 | 3)) | | | |
| a Electric Clothes Dryer | 5,000 VA/Circuit | 1 ea | 5,000 | |
| b Electric Range | 8,000 VA/Circuit | 1 ea | 8,000 | |
| c Dishwasher | 840 VA/Circuit | 1 ea | 840 | |
| d Microwave | 1000 VA/Circuit | 1 ea | 1,000 | |
| e Disposal | 1,175 VA/Circuit | 1 ea | 1,175 | |
| f Water Heater | 5,000 VA/Circuit | 1 ea | 5,000 | |
| f Refrigerator | 1,200 VA/Circuit | 1 ea | 1,200 | |
| B4 Nameplate Ratings of Motors (220.82 (B)(4)) | | | | |
| Motor (ERV Fan) | 72 VA/Circuit | 1 ea | 72 | |
| Motor (Blower Coil Fan) | 687 VA/Circuit | 1 ea | 687 | |
| | Part (B) Conne | cted Load Total | 29,961 | |
| Part (B) Demand Load To | otal (100% of 1st 10KVA + 409 | % of remainder) |) | 17,984 |
| C3 65% Nameplate Rating of electric space heating | ng (220.82 (C)(3)) | | | |
| Blower Coil Electric Heat | 6,000 VA/Circuit | 1 ea | 3,900 | |
| | Part (C.) Connec | cted Load Total | 3,900 | |
| | Part (C. |) Demand Load | I | 3,900 |
| | Total Dwe | elling Unit Der | mand Load | 21,884 |
| | | Total NEC D | Demand VA | 21,884 |
| | Total A | mps @ 120/20 | 8V-1Ph-3W | 105 |



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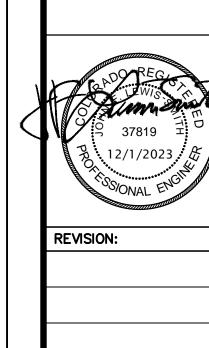
| | | The Reserves | at Eagle Poi | nt | | |
|----|-------------------------|------------------------|-------------------|------------------|------------------------|---------|
| | Area: 11,190 SF | (Dwelling Units Only | y) | | Connected Load (VA) | |
| | er & Service Loads pe | | / | | | |
| | General Loads (220.84 | (C)(1)) | | | | |
| а | Lighting & Receptacles | | 3 VA/SF | 11190 SF | 33,570 | |
| C2 | Required Circuits (220. | 34 (C)(2)) | | | | |
| а | Laundry Circuits | 1 | ,500 VA/Circuit | 12 Circuits | 18,000 | |
| b | Kitchen Circuits | 1 | ,500 VA/Circuit | 24 Circuits | 36,000 | |
| C3 | Nameplate Ratings of E | quipment (220.84 (C | G)(3)) | | | |
| a1 | Microwave | 1 | ,000 VA/Circuit | 12 Circuits | 12,000 | |
| a2 | Dishwasher | | 840 VA/Circuit | 12 Circuits | 10,080 | |
| а3 | Disposal | 1 | 1175 VA/Circuit | 12 Circuits | 14,100 | |
| a4 | Refrigerator | 1 | 1200 VA/Circuit | 12 Circuits | 14,400 | |
| b | Electric Range | 8 | ,000 VA/Circuit | 12 Circuits | 96,000 | |
| С | Electric Clothes Dryer | 5 | ,000 VA/Circuit | 12 Circuits | 60,000 | |
| d | Water Heater | 5 | ,000 VA/Circuit | 12 ea | 60,000 | |
| C4 | Nameplate Ratings of N | lotors (220.84 (C)(4) |) | | | |
| | 1BR Motor | | 687 VA/Circuit | 6 Circuits | 4,122 | |
| | 2BR Motor | | 687 VA/Circuit | 6 Circuits | 4,122 | |
| | ERV Fan Motor | | 72 VA/Circuit | 12 Circuits | 864 | |
| C5 | Electric Space Heat loa | nd (220.84 (C)(5)) (He | eat Pump with Ele | ectric Heat) | | |
| | 1BR Electric Heat | | ,000 VA/Circuit | 6 Circuits | 36,000 | |
| | 2BR Electric Heat | 6 | ,000 VA/Circuit | 6 Circuits | 36,000 | |
| | | | Conn | ected Load Total | 435,258 | |
| | | Dwelling Unit | Demand Load fro | om Table 220.84: | 41% | 178,456 |
| | | Dwe | elling Unit NEC D | Demand Load (V | A) Sub-Total | 178,456 |
| | | Ног | use Panel NEC D | Demand Load (V | A) Sub-Total | 25,000 |
| | | 7 | otal Building S | ervice Demand | l Load (VA) | 203,456 |
| | Total | Building Service D | Demand Load (A | Amperes) @ 208 | 3V-3Ph, 4W | 565 |
| | | Drovido 600 | A Meter Cen | tor | | |

| | The R | eserves at Eagle Poi | nt | | |
|----------------|---|-------------------------------|-----------------|---------------------|--------|
| | Area: 11,190 SF (Dwelling | Units Only) | | Connected Load (VA) | |
| | er & Service Loads per NEC 220. | .84 Part IV | | | |
| | General Loads (220.84 (C)(1)) Lighting & Receptacles | 3 VA/SF | 11190 SF | 33,570 | |
| а | Lighting & Neceptacles | 3 VA/3F | 11190 35 | 33,570 | |
| C2 | Required Circuits (220.84 (C)(2)) | | | | |
| | Laundry Circuits | 1,500 VA/Circuit | 12 Circuits | 18,000 | |
| b | Kitchen Circuits | 1,500 VA/Circuit | 24 Circuits | 36,000 | |
| C3 | Nameplate Ratings of Equipment | (220 84 (C)(3)) | | | |
| | Microwave | 1,000 VA/Circuit | 12 Circuits | s 12,000 | |
| | Dishwasher | 840 VA/Circuit | 12 Circuit | • | |
| | Disposal | 1175 VA/Circuit | 12 Circuit | | |
| | Refrigerator | 1200 VA/Circuit | 12 Circuit | • | |
| | Electric Range | 8,000 VA/Circuit | 12 Circuit | • | |
| | Electric Clothes Dryer | 5,000 VA/Circuit | 12 Circuit | · | |
| | Water Heater | 5,000 VA/Circuit | 12 ea | 60,000 | |
| C4 | Namenlata Batings of Matera (220 |) 94 (C)(4)) | | | |
| C 4 | Nameplate Ratings of Motors (220 1BR Motor | 687 VA/Circuit | 6 Circuits | s 4,122 | |
| | 2BR Motor | 687 VA/Circuit | 6 Circuits | • | |
| | ERV Fan Motor | 72 VA/Circuit | 12 Circuits | , | |
| CE | Floatric Chang Heat load (220.94 | (C)(E)) (Lloot Dumm with El | natria Llaat) | | |
| C5 | Electric Space Heat load (220.84 1BR Electric Heat | (C)(3)) (Heat Pullip with Eil | 6 Circuit | s 36,000 | |
| | 2BR Electric Heat | 6,000 VA/Circuit | 6 Circuit | • | |
| | ZBIN Electric Fleat | · | ected Load Tota | | _ |
| | Divis | elling Unit Demand Load fro | | , | 178,45 |
| | Dwe | siing onit bemand Load it | on rable 220.04 | . 4170 | 170,40 |
| | | Dwelling Unit NEC D | emand Load (V | A) Sub-Total | 178,45 |

| Dwelling Unit NEC Demand Load (VA) Sub-Total | 178,456 |
|---|---------|
| Total Building Service Demand Load (VA) | 178,456 |
| ng Service Demand Load (Amperes) @ 208V-3Ph, 4W | 496 |
| rovide 600A Meter Center | |

| C1 General Loads (220.84 (C)(1)) a Lighting & Receptacles 3 VA/SF 13518 SF 40,554 C2 Required Circuits (220.84 (C)(2)) a Laundry Circuits 1,500 VA/Circuit 12 Circuits 18,000 b Kitchen Circuits 1,500 VA/Circuit 24 Circuits 36,000 C3 Nameplate Ratings of Equipment (220.84 (C)(3)) a1 Microwave 1,000 VA/Circuit 12 Circuits 10,080 a2 Dishwasher 840 VA/Circuit 12 Circuits 10,080 a3 Disposal 1175 VA/Circuit 12 Circuits 14,100 a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 2BR Motor 687 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 | | | The Rese | rves at Eagle Poi | int | | |
|---|----|--------------------------|-----------------|------------------------|-----------------|--------------|-------|
| a Lighting & Receptacles 3 VA/SF 13518 SF 40,554 C2 Required Circuits (220.84 (C)(2)) a Laundry Circuits 1,500 VA/Circuit 12 Circuits 18,000 b Kitchen Circuits 1,500 VA/Circuit 24 Circuits 36,000 C3 Nameplate Ratings of Equipment (220.84 (C)(3)) a1 Microwave 1,000 VA/Circuit 12 Circuits 12,000 a2 Dishwasher 840 VA/Circuit 12 Circuits 10,080 a3 Disposal 1175 VA/Circuit 12 Circuits 14,100 a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 14,400 b Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total 181 House Panel NEC Demand Load (VA) Sub-Total 181 | | Area: 13,518 SF | (Dwelling Unit | s Only) | | | |
| C2 Required Circuits (220.84 (C)(2)) 3 VA/SF 13518 SF 40,554 C2 Required Circuits (220.84 (C)(2)) 1,500 VA/Circuit 12 Circuits 18,000 b Kitchen Circuits 1,500 VA/Circuit 12 Circuits 18,000 b Kitchen Circuits 1,500 VA/Circuit 12 Circuits 12,000 a2 Nameplate Ratings of Equipment (220.84 (C)(3)) 12 Circuits 12,000 a2 Dishwasher 840 VA/Circuit 12 Circuits 10,080 a3 Disposal 1175 VA/Circuit 12 Circuits 10,080 a3 Disposal 1175 VA/Circuit 12 Circuits 14,400 a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 6 Circuits 4,122 2BR Electric Heat 6,000 VA/Circuit 6 Circuits | | - | | Part IV | | | |
| C2 Required Circuits (220.84 (C)(2)) a Laundry Circuits 1,500 VA/Circuit 12 Circuits 18,000 b Kitchen Circuits 1,500 VA/Circuit 24 Circuits 36,000 C3 Nameplate Ratings of Equipment (220.84 (C)(3)) a1 Microwave 1,000 VA/Circuit 12 Circuits 12,000 a2 Dishwasher 840 VA/Circuit 12 Circuits 10,080 a3 Disposal 1175 VA/Circuit 12 Circuits 14,100 a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 181 | | • | (C)(T)) | 3 V/A/SE | 13518 SE | 40 554 | |
| a Laundry Circuits 1,500 VA/Circuit 12 Circuits 18,000 b Kitchen Circuits 1,500 VA/Circuit 24 Circuits 36,000 C3 Nameplate Ratings of Equipment (220.84 (C)(3)) a1 Microwave 1,000 VA/Circuit 12 Circuits 12,000 a2 Dishwasher 840 VA/Circuit 12 Circuits 10,080 a3 Disposal 1175 VA/Circuit 12 Circuits 14,100 a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total 181 House Panel NEC Demand Load (VA) Sub-Total 181 | a | Lighting & Neceptacles | | 3 7//31 | 13310 31 | 40,554 | |
| a Laundry Circuits 1,500 VA/Circuit 12 Circuits 18,000 b Kitchen Circuits 1,500 VA/Circuit 24 Circuits 36,000 C3 Nameplate Ratings of Equipment (220.84 (C)(3)) a1 Microwave 1,000 VA/Circuit 12 Circuits 12,000 a2 Dishwasher 840 VA/Circuit 12 Circuits 10,080 a3 Disposal 1175 VA/Circuit 12 Circuits 14,100 a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total 181 House Panel NEC Demand Load (VA) Sub-Total 181 | C2 | Required Circuits (220.8 | 34 (C)(2)) | | | | |
| D Kitchen Circuits | | | ()()/ | 1,500 VA/Circuit | 12 Circuits | 18,000 | |
| a1 Microwave | b | Kitchen Circuits | | 1,500 VA/Circuit | 24 Circuits | 36,000 | |
| a1 Microwave | C3 | Nameolate Ratings of F | auipment (220 | 84 (C)(3)) | | | |
| a2 Dishwasher 840 VA/Circuit 12 Circuits 10,080 a3 Disposal 1175 VA/Circuit 12 Circuits 14,100 a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 6 Circuits 4,122 ERV Fan Motor 72 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit NEC Demand Load (VA) Sub-Total 181 Head Industrial Reservation of the properties of the pr | | • | qu.p (==0 | | 12 Circuits | 12.000 | |
| a3 Disposal 1175 VA/Circuit 12 Circuits 14,100 a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 6 Circuits 4,122 ERV Fan Motor 72 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total 181 House Panel NEC Demand Load (VA) Sub-Total 25 | a2 | Dishwasher | | , | | | |
| a4 Refrigerator 1200 VA/Circuit 12 Circuits 14,400 b Electric Range 8,000 VA/Circuit 12 Circuits 96,000 c Electric Clothes Dryer 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 6 Circuits 4,122 ERV Fan Motor 72 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total Heat New Panel NEC Demand Load (VA) Sub-Total 181 | а3 | Disposal | | | 12 Circuits | | |
| b Electric Range c Electric Clothes Dryer d Water Heater 5,000 VA/Circuit 12 Circuits 60,000 d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 6 Circuits 4,122 ERV Fan Motor 72 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | | • | | 1200 VA/Circuit | 12 Circuits | • | |
| d Water Heater 5,000 VA/Circuit 12 ea 60,000 C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | | _ | | 8,000 VA/Circuit | 12 Circuits | 96,000 | |
| C4 Nameplate Ratings of Motors (220.84 (C)(4)) 2BR Motor 687 VA/Circuit 6 Circuits 4,122 3BR Motor 687 VA/Circuit 6 Circuits 4,122 ERV Fan Motor 72 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total | С | Electric Clothes Dryer | | 5,000 VA/Circuit | 12 Circuits | 60,000 | |
| 2BR Motor 3BR Motor 687 VA/Circuit 6 Circuits 4,122 ERV Fan Motor 72 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | d | Water Heater | | 5,000 VA/Circuit | 12 ea | 60,000 | |
| 2BR Motor 3BR Motor 687 VA/Circuit 6 Circuits 4,122 ERV Fan Motor 72 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | C4 | Nameplate Ratings of M | lotors (220.84 | (C)(4)) | | | |
| ERV Fan Motor 72 VA/Circuit 12 Circuits 864 C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | | | • | | 6 Circuits | 4,122 | |
| C5 Electric Space Heat load (220.84 (C)(5)) (Heat Pump with Electric Heat) 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | | 3BR Motor | | 687 VA/Circuit | 6 Circuits | 4,122 | |
| 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | | ERV Fan Motor | | 72 VA/Circuit | 12 Circuits | 864 | |
| 2BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 3BR Electric Heat 6,000 VA/Circuit 6 Circuits 36,000 Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | C5 | Electric Space Heat loa | d (220.84 (C)(5 | 5)) (Heat Pump with El | ectric Heat) | | |
| Connected Load Total 442,242 Dwelling Unit Demand Load from Table 220.84: 41% 181 Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | | · | | | * | 36,000 | |
| Dwelling Unit Demand Load from Table 220.84: 41% Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | | 3BR Electric Heat | | 6,000 VA/Circuit | 6 Circuits | 36,000 | |
| Dwelling Unit NEC Demand Load (VA) Sub-Total House Panel NEC Demand Load (VA) Sub-Total 25 | | | | Conn | ected Load Tota | 442,242 | = |
| House Panel NEC Demand Load (VA) Sub-Total 25 | | | Dwelling | Unit Demand Load fro | om Table 220.84 | : 41% | 181,3 |
| | | | | Dwelling Unit NEC [| Demand Load (V | A) Sub-Total | 181,3 |
| | | | | House Panel NEC [| Demand Load (V | A) Sub-Total | 25,0 |
| | | | | | | | |
| | | | Provide | e 600A Meter Cen | ter | | |

| | | The Reser | າves at Eagle Poi | nt | | |
|------|-------------------------|-------------------|-----------------------|------------------|------------------------|--------|
| | Area: 13,518 SF | (Dwelling Units | only) | | Connected Load (VA) | |
| Feed | er & Service Loads pe | r NEC 220.84 Pa | art IV | | | |
| C1 | General Loads (220.84 | (C)(1)) | | | | |
| а | Lighting & Receptacles | | 3 VA/SF | 13518 SF | 40,554 | |
| C2 | Required Circuits (220. | 84 (C)(2)) | | | | |
| а | Laundry Circuits | | 1,500 VA/Circuit | 12 Circuits | 18,000 | |
| b | Kitchen Circuits | | 1,500 VA/Circuit | 24 Circuits | 36,000 | |
| СЗ | Nameplate Ratings of E | Equipment (220.8 | 84 (C)(3)) | | | |
| a1 | Microwave | | 1,000 VA/Circuit | 12 Circuits | 12,000 | |
| a2 | Dishwasher | | 840 VA/Circuit | 12 Circuits | 10,080 | |
| а3 | Disposal | | 1175 VA/Circuit | 12 Circuits | 14,100 | |
| | Refrigerator | | 1200 VA/Circuit | 12 Circuits | | |
| b | Electric Range | | 8,000 VA/Circuit | 12 Circuits | 96,000 | |
| | Electric Clothes Dryer | | 5,000 VA/Circuit | 12 Circuits | • | |
| | Water Heater | | 5,000 VA/Circuit | 12 ea | 60,000 | |
| C4 | Nameplate Ratings of N | Motors (220.84 (| C)(4)) | | | |
| | 2BR Motor | , , | 687 VA/Circuit | 6 Circuits | 4,122 | |
| | 3BR Motor | | 687 VA/Circuit | 6 Circuits | 4,122 | |
| | ERV Fan Motor | | 72 VA/Circuit | 12 Circuits | • | |
| C5 | Electric Space Heat loa | ad (220.84 (C)(5) |)) (Heat Pump with El | ectric Heat) | | |
| | 2BR Electric Heat | | 6,000 VA/Circuit | 6 Circuits | 36,000 | |
| | 3BR Electric Heat | | 6,000 VA/Circuit | 6 Circuits | 36,000 | |
| | | | Conn | ected Load Total | 442,242 | = |
| | | Dwelling | Unit Demand Load fro | om Table 220.84: | 41% | 181,31 |
| | | | Dwelling Unit NEC [| Demand Load (VA | २) Sub-Total | 181,31 |
| | | | Total Building S | Service Demand | Load (VA) | 181,31 |
| 1 | Total | l Building Serv | ice Demand Load (| Δmneres) @ 208 | RV-3Ph 4W | 504 |



10-2-2023 22-3219 SHEET NO.:

COLORDAO

H PICADILLY RD

JRA,

9 37819 I

REVISION:

DATE: 10−2−2023

JOB: 22−3219

SHEET NO.:

| ransformer Fault Current e: Reserves at Eagle Point r: 23050 Service Entrance SCC | BUILDING A Fault Current Project Name: Reserves at Eagle Point Project Number: 23050 Designed By: Item Name: SCC Building A | BUILDING B Fault Current Project Name: Reserves at Eagle Point Project Number: 23050 Designed By: Item Name: SCC Building B | BUILDING C Fault Current Project Name: Reserves at Eagle Point Project Number: 23050 Designed By: Item Name: SCC Building C | |
|---|---|--|--|---|
| Service Entrance SCC -NONE- Fault Current roe = Main Bus | Item Name: SCC Building A Notes: -NONE- Calculation of Fault Current Fault SCA Source = Main Bus SCA Available = 7750 Length Units = Feet Motor Load = 63.1 KW Motor SCA = 2221 Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase | Calculation of Fault Current Fault SCA Source = Main Bus SCA Available = 7000 Length Units = Feet Motor Load = 63.1 KW Motor SCA = 2221 Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase | Item Name: SCC Building C Notes: -NONE- Calculation of Fault Current Fault SCA Source = Main Bus SCA Available = 7750 Length Units = Feet Motor Load = 63.1 KW Motor SCA = 2221 Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase | |
| SCA AFTER SCA.3PH FUSE PVC 1/c,AL 500 3 115 18,733 6,500 N/A PVC 1/c,AL 350 2 50 19,669 (CT METERED) | Main-Feeders Name Cond Cable Size Qty Feet SCAL-L | Main-Feeders Name Cond Cable Size Qty Feet SCAL-L F1 | Main-Feeders Name Cond Cable Size Qtv Feet SCAL-L F1 | |
| PVC 1/c,CU 300 4 250 22,640 7,000 PVC 1/c,AL 500 3 75 34,528 7,750 PVC 1/c,AL 500 3 75 34528 7,750 PVC 1/c,AL 500 3 100 31,050 7,750 PVC 1/c,AL 500 3 75 34,528 7,750 PVC 1/c,AL 500 3 100 31,050 7,750 PVC 1/c,AL 250 2 140 13,767 5,000 Fault Current Reserves at Eagle Point 3050 SCC Clubhouse NONE- alt Current AVAILABLE FAULT CURRENT AT METER SOCKET 4 FLA ment = Motor SCA Added to Main Bus 240 3 Phase | F16 A208 | F18 B302 None 1/c,CU 2/0 1 173 3,937 F19 B303 None 1/c,CU 1 1 173 3,937 F20 B304 None 1/c,CU 1 1 1 124 3,738 F21 B305 None 1/c,CU 1 1 1 124 3,738 F22 B306 None 1/c,CU 2 1 97 3,806 F23 B307 None 1/c,CU 2 1 97 3,806 F24 B308 None 1/c,CU 2 1 56 5,063 F25 PANEL HB PVC 1/c,CU 1 1 5 58,706 F10 Name: Z:V23050 Reserves at Eagle Point\Design\Power\SCC BLDG B.edr Date Created: 8/25/2023 2:43:11 PM Date Modified: 1/26/2024 10:57:00 AM Source: EDR. Electrical Designer's Reference Software Version: 11.1 (Bill dt 7). Based on the 2011 NEC®. Copyright © 2000-20013 C+E Electronic Publishing, Inc. All Rights Reserved. | F17 C301 None 1/c,CU 2 1 56 5,281 F18 C302 None 1/c,CU 2 1 56 5,281 F19 C303 None 1/c,CU 2 1 97 3,928 F20 C304 None 1/c,CU 2 1 97 3,928 F21 C305 None 1/c,CU 1 1 1 124 3,855 F22 C306 None 1/c,CU 1 1 1 124 3,855 F23 C307 None 1/c,CU 1 1 1 124 3,855 F24 C308 None 1/c,CU 1 1 1 124 3,855 F25 HC None 1/c,CU 2/0 1 173 4,067 F24 C308 None 1/c,CU 2/0 1 173 4,067 F25 HC PVC 1/c,CU 1 1 5 9,372 File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG C.edr Date Created: 8/25/2023 2:43:11 PM Date Modified: 1/28/2024 10:56:39 AM Source: EDR, Electrical Designer's Reference Soltware Version: 11.1 (Build 17). Based on the 2011 NEC®. Copyright © 2000-20013 C+E Electronic Publishing, Inc. All Rights Reserved. | |
| Cond Cable Size Qty Feet SCA,3PH EMT 1/c,CU 500 1 50 3,335 Z:\23050 Reserves at Eagle Point\Design\Power\Building Service 3-Phase Transformer.edr 8/25/2023 2:43:11 PM 1/28/2024 10:57:09 AM ctrical Designer's Reference 1.1 (Build 17). Based on the 2011 NEC®. 20013 C+E Electronic Publishing, Inc. All Rights Reserved. | | | | |
| Fault Current Reserves at Eagle Point 23050 SCC Building DNONE- | BUILDING E Fault Current Project Name: Reserves at Eagle Point Project Number: 23050 Designed By: Item Name: SCC Building E Notes: -NONE- | BUILDING F Fault Current Project Name: Reserves at Eagle Point Project Number: 23050 Designed By: Item Name: SCC Building F Notes: -NONE- | BUILDING G Fault Current Project Name: Reserves at Eagle Point Project Number: 23050 Designed By: Item Name: SCC Building G Notes: -NONE- | BUILDING H Fault Current Project Name: Reserves at Eagle Point Project Number: 23050 Designed By: Item Name: SCC Building H Notes: -NONE- |
| Lult Current be e Main Bus 7500 AVAILABLE FAULT CURRENT AT METER SOCKET 1.1 KW 21 Innent = Motor SCA Added to Main Bus = 208 1 Phase | Calculation of Fault Current Fault SCA Source = Main Bus SCA Available = 7750 Length Units = Feet Motor Load = 63.1 KW Motor SCA = 2221 Motor SCA Treatment = Motor SCA Added to Main Bus System Phase = 1 Phase | Calculation of Fault Current Fault SCA Source = Main Bus SCA Available = 6500 Length Units = Feet Motor Load = 63.1 KW Motor SCA = 2221 Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase | Calculation of Fault Current Fault SCA Source = Main Bus SCA Available = 7750 Length Units = Feet Motor Load = 63.1 KW Motor SCA = 2221 Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase | Calculation of Fault Current Fault SCA Source = Main Bus SCA Available = 7750 Length Units = Feet Motor Load = 63.1 KW Motor SCA = 2221 Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase |
| Cond Cable Size Qty Feet SCAL-L None 1/c,CU 2/0 1 180 3,932 None 1/c,CU 3/0 1 202 4,126 None 1/c,CU 1 1 126 3,780 None 1/c,CU 2 1 148 2,956 None 1/c,CU 2 1 91 4,039 None 1/c,CU 2 1 91 4,039 None 1/c,CU 2 1 37 6,184 None 1/c,CU 2 1 180 3,932 None 1/c,CU 2 1 180 3,932 None 1/c,CU 2 1 180 3,932 None 1/c,CU 2 1 120 4,126 None 1/c,CU 2 1 14 4,397 None 1/c,CU 2 1 37 6, | Minit Fundame | Minin-Endotes Normal Nor | Main-Feeders Name Cond Cable Size Qiv Feet SCALL | Main-Feeders Names Cond Cable Size Oly Feet SCA_LL |
| None 1/c,CU 2 1 65 4,848 PVC 1/c,CU 1 1 25 7,411 | File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG E.edr Date Created: 8/25/2023 2:43:11 PM | File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG F.edr Date Created: 8/25/2023 2:43:11 PM Date Modified: 1/26/2024 3:55:23 PM | File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG G.edr Date Created: 8/25/2023 2:43:11 PM Date Modified: 1/26/2024 10:56:49 AM | File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG H.edr Date Created: 8/25/2023 2:43:11 PM Date Modified: 1/26/2024 10:56:52 AM |

AFC: AFC: AFC: 3,653A 3,843A L-L L-L L-L

AFC: 3,759A L-L

AFC: 3,759A L-L

AFC:

3,759A

AFC: 3,919A L-L

AFC:

3,919A

AFC: 3,759A

REFERENCE APARTMENT FEEDER

- REFERENCE 1:E6.2

SERVICE GROUNDING ELECTRODE: SEE

DETAIL 3:E6.2, AND SERVICE LATERAL

SCHEDULE E6.2 FOR MORE INFORMATION.

SCHEDULE, SHEET E6.2 (TYPICAL).

8,259A

AFC: 3,919A L-L

AFC: 3,919A

AFC: 3,843A

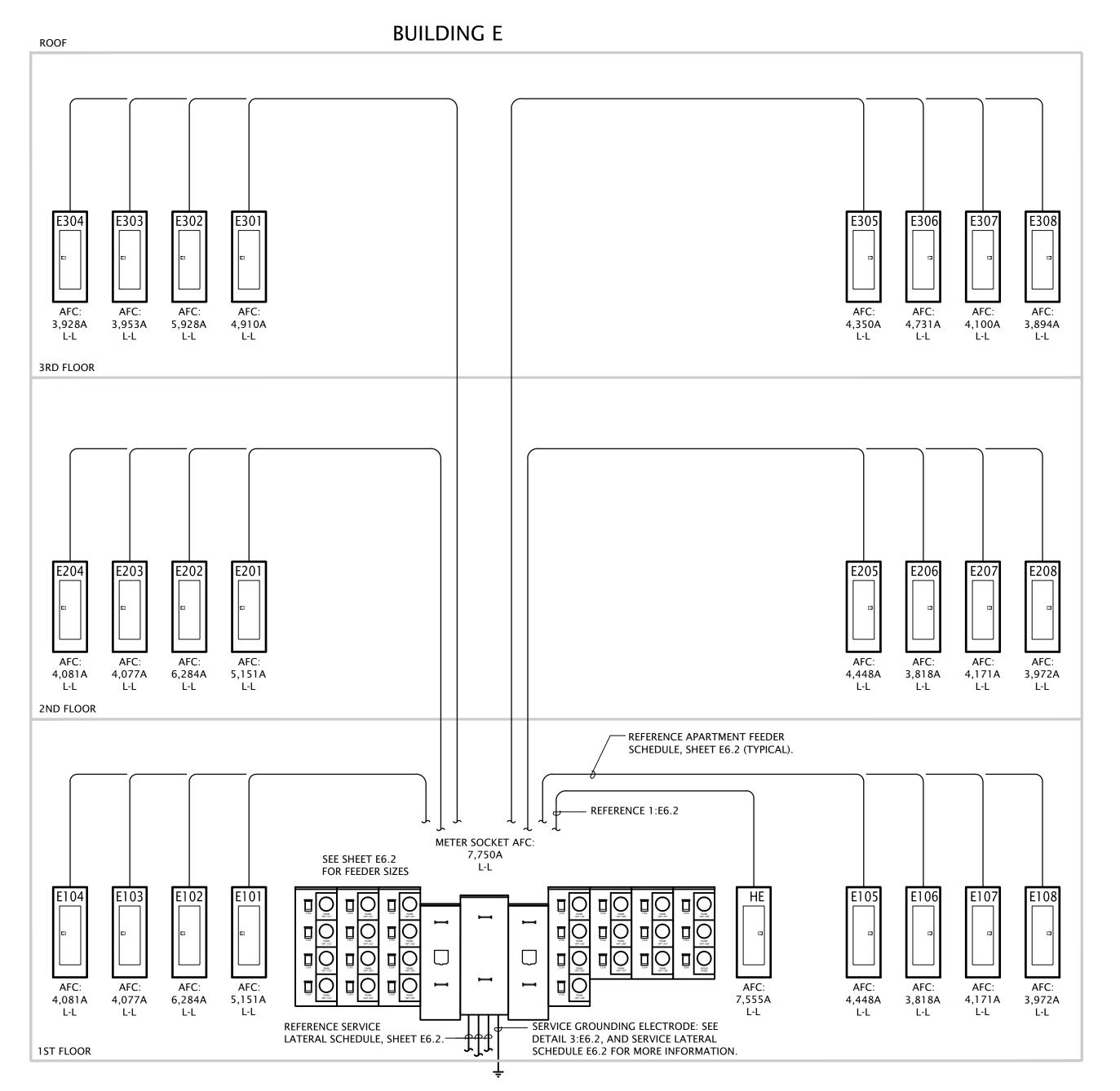
REVISION:

10-2-2023 DATE: 22-3219 © SHEET NO.:

E6.7

BUILDING F ELECTRICAL RISER DIAGRAM

No Scale



SEE SHEET E6.4 FOR COMPLETE AVAILABLE FAULT CURRENT CALCULATIONS.

1 BUILDING E ELECTRICAL RISER DIAGRAM
No Scale

AFC: 3,718A AFC: 3,718A AFC: 4,908A L-L L-L 3RD FLOOR AFC: 3,855A

L-L

1ST FLOOR

ROOF

AFC: AFC: AFC: 3,855A 5,150A 5,150A L-L L-L L-L L-L 2ND FLOOR

AFC: 4,908A L-L

AFC: AFC: AFC: AFC: 3,855A 3,855A 5,150A 5,150A L-L L-L

REFERENCE SERVICE LATERAL SCHEDULE, SHEET E6.2.—

SEE SHEET E6.2 FOR FEEDER SIZES

METER SOCKET AFC: 6,500A L-L

BUILDING F

SEE SHEET E6.4 FOR COMPLETE AVAILABLE FAULT CURRENT CALCULATIONS.