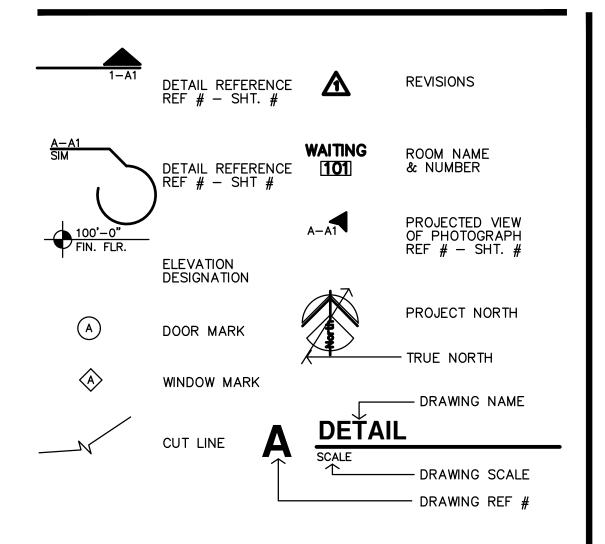
THE RESERVES at EAGLE POINT

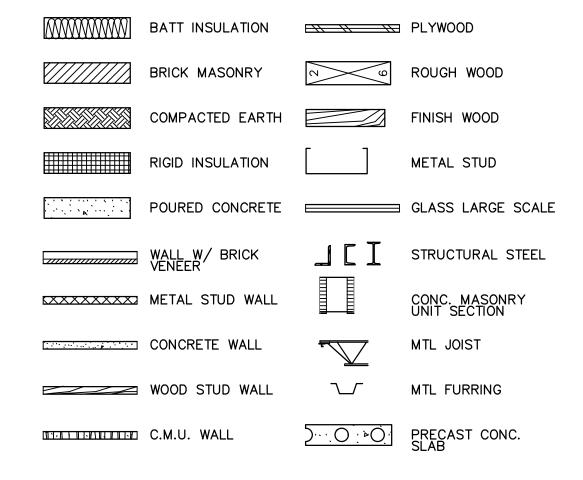
435 NORTH PICADILLY RD - BUILDING G

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 785.827.0386 jgr@jgrarchitects.com

CONSULTANTS

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Structural Engineer;



4338 Belleview Kansas City, MO 64111 816.531.4144; FAX 816.531.8572 info@bdc-engrs.com

AB	BREVIATIO	2NC	3										
%\@@ø# AAAAAAAAA BBBBBBBBBBBBBBBBBBBBBBBBBBB	Architect or Architectural Asbestos Asphalt Audio Visual Board	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	EXT. A.D. C. F.	Expansion Exterior Fire Alarm Floor Drain Foundation Fire Extinguisher F.E. Cabinet Finish Floor Flashing Flow line Foot or feet Footing 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. Lab. Lav. Lkr. Lt. Mas. Max. M.C. Meemb. Met. Mfr. 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. or	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	Regil. Regil. RSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	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. Tho.M. T.O.S. T.P.D. T.Y. T.Y. T.Y. V.T. V.T. V.T. Vest. Vy. W./o Wd. Wb. 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 With Without Wall Covering Wood Waterproof Window Wainscot Weight

SHEET INDEX

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 EN3 COMCHECK REPORTS

ARCHITECTURAL

EN4 COMCHECK REPORTS

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A1.1	SITE PLAN
A1.2	BUILDING ADDRESSING PLAN
A1.3	ENLARGED SITE PLANS AND DETAILS
A1.4	TRASH ENCLOSURE PLANS AND SECTIONS
A2.0	APARTMENT GENERAL NOTES, SCHEDULES & DETAIL
A2.1	STANDARD/TYPE-B APARTMENTS FLOOR PLANS

A2.2 STANDARD/TYPE-B ENLARGED BATH PLANS A2.3 STANDARD/TYPE-B INTERIOR & CASEWORK ELEVATIONS A2.4 ACCESSIBLE/TYPE-A APARTMENTS FLOOR PLANS

A2.5 ACCESSIBLE/TYPE-A ENLARGED BATH PLANS A2.6 ACCESSIBLE/TYPE-A INTERIOR & CASEWORK ELEVATIONS A2.7 ACCESSIBLE ROLL-IN SHOWER APARTMENTS FLOOR PLANS & ENLARGED BATH PLANS

A2.8 ACCESSIBLE ROLL-IN SHOWER INTERIOR & CASEWORK ELEVATIONS A2.9 REFLECTED CEILING PLANS, TYPICAL ALL UNITS A2.10 APARTMENT BUILDING GENERAL NOTES, SCHEDULES & DETAILS

A3.2 APARTMENT BUILDINGS D/E/G/H (TYPE 1) EXTERIOR ELEVATIONS A4.2 WALL SECTIONS

A4.3 WALL SECTIONS A4.4 ENTRY WALL SECTIONS AND DETAILS A4.5 DETAILS

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S3.2 DETAILS S3.3 DETAILS

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P6.1 PLUMBING SCHEDULES & DETAILS

ELECTRICAL

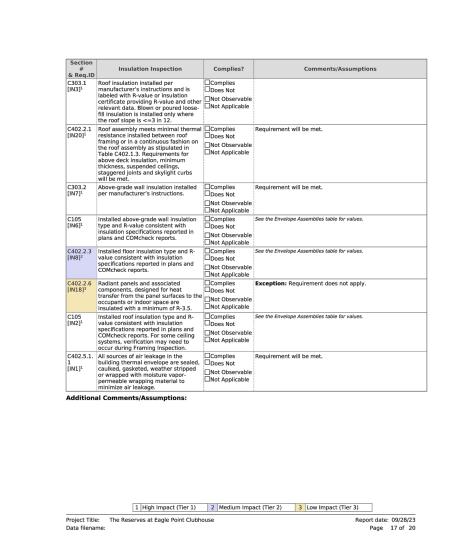
E4.1 UNIT POWER PLANS E4.2 UNIT POWER PLANS E6.1 FIXTURE SCHEDULES & DETAILS E6.2 SCHEDULES

E6.3 SCHEDULES

E6.4 SCHEDULES & CALCULATIONS E6.8 ELECTRICAL RISER DIAGRAM

Section #	Rough-In Electrical Inspection	Complies?	Comments/Assumptions	
& Req.ID C405.2.3. 1 [EL22] ¹	Spaces required to have light- reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas,	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.	
	and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.			
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.	
	by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by timeswitch.			
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.	
	within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control			
	zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.			
C405.2.2, C405.2.2. 1 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1.1) have timeswitch controls and functions detailed in sections C405.2.2.1.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	
	1 High Impact (Tier 1)	2 Medium Imp		
Project Title Data filena		ouse	Report date: 09/28/23 Page 15 of 20	

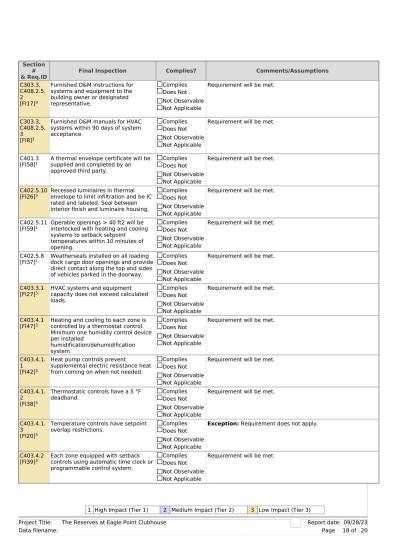
Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4, C405.2.4. 1, C405.2.4. 2 [EL23] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable 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 automatic receptacle control in accordance with C405.11.1.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
Addition	al Comments/Assumptions: 1 High Impact (Tier 1)	2 Medium Imp	act (Tier 2) 3 Low Impact (Tier 3)
Project Title			Report date: 09/28/23

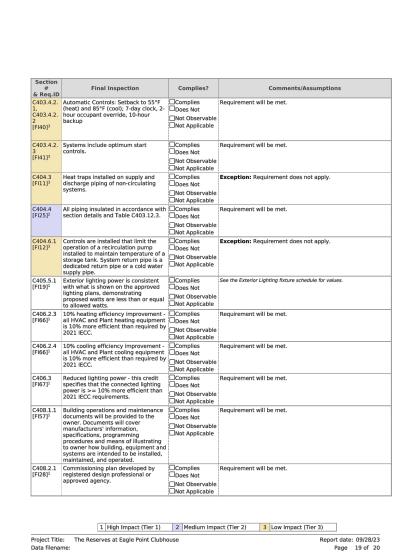


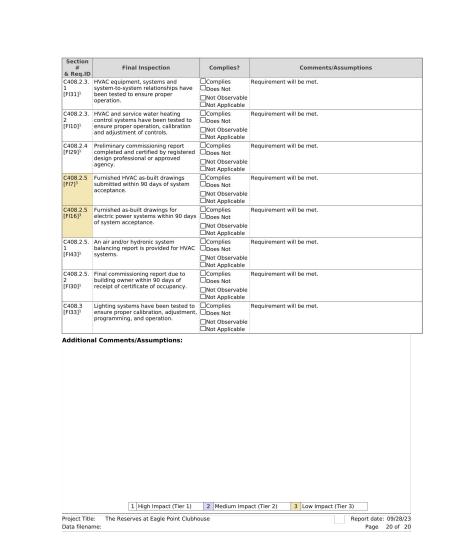
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Report date: 09/28/23

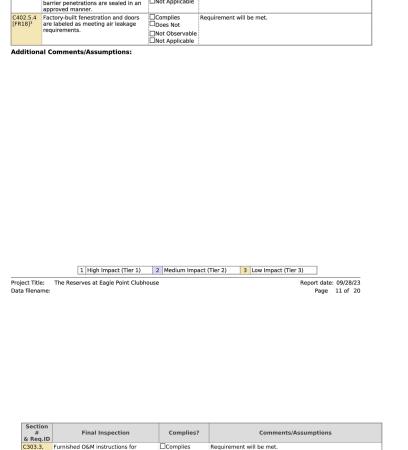
Project Title: The Reserves at Eagle Point Clubhouse

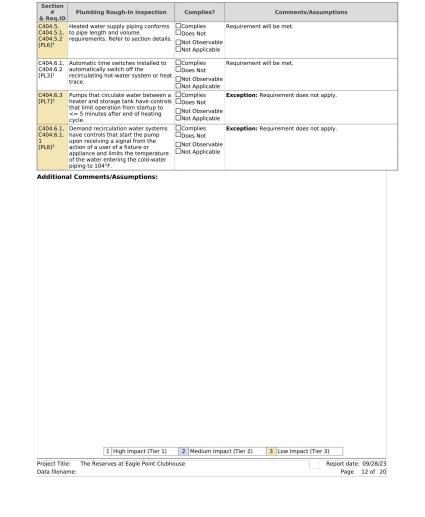






	1 High Impact (Tier 1)	Medium Impact	(Tier 2)
roject Title: ata filename:	The Reserves at Eagle Point Clubhouse	1	
Section #	Final Inspection	Complies?	
& Req.ID	Final Inspection		
C303.3, C408.2.5. 2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	□Complies □Does Not □Not Observable □Not Applicable	Require
C303.3, C408.2.5. 3 [FI8] ³	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	Require
C401.3 [FI58] ¹	A thermal envelope certificate will be supplied and completed by an approved third party.	□Complies □Does Not □Not Observable □Not Applicable	Require
C402.5.10 [FI26] ³	Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.	□Complies □Does Not □Not Observable □Not Applicable	Require
C402.5.11 [FI59] ¹	Operable openings > 40 ft2 will be interlocked with heating and cooling systems to setback setpoint temperatures within 10 minutes of opening.	□Complies □Does Not □Not Observable □Not Applicable	Require
C402.5.8 [FI37] ¹	Weatherseals installed on all loading	□Complies □Does Not □Not Observable □Not Applicable	Require
C403.3.1 [FI27] ³	HVAC systems and equipment capacity does not exceed calculated loads.	□Complies □Does Not □Not Observable □Not Applicable	Require
C403.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed	□Complies □Does Not □Not Observable	Require





Section #	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
& Req.ID C402.2.6 [ME41] ³	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.7.7 [ME58] ³	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed. Reference section language for operational details.	□Complies	Requirement will be met.
C403.8.4 [ME142] ²	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.8.6 [ME143] ²	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.9 [ME144] ²	Large diameter fans where installed shall be tested and labeled in accordance with AMCA 230.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.3 [ME55] ²	HVAC equipment efficiency verified.	□Complies □Does Not □Not Observable □Not Applicable	See the Mechanical Systems list for values.
C403.2.2 [ME59] ¹	Natural or mechanical ventilation is provided in accordance with international Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.7.1 [ME59] ¹	Demand control ventilation provided for spaces >500 ft2 and >15 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.7.2 [ME115] ³	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.7.6 [ME141] ³	Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.7.4 [ME57] ¹	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
	1 High Impact (Tier 1)	2 Medium Imp	act (Tier 2) 3 Low Impact (Tier 3)

Camples Comples Comp	& Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
heat pump loop have either automatic Does Not Mot Observable Mot Obs	C403.7.5	replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum	□Does Not □Not Observable	Exception: Requirement does not apply.
C403.4.1. Heating for vestibules and air curtains 4 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 thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F. C408.2.2. Air outlets and zone terminal devices have means for air balancing. Capplies Complies Not Observable Not Applicable Capplies Not Applicable Capplies Not Observable Not Applicable Not Applicable Requirement will be met. Capplies Not Observable Not Applicable Not Observable Not Applicable Not	3.2	heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circuitation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the	□Does Not □Not Observable	Exception: Requirement does not apply.
have means for air balancing. Does Not	4	with infegral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <=	□Does Not □Not Observable	Exception: Requirement does not apply.
	1		□Does Not □Not Observable	Requirement will be met.
C403.11.3 Refrigerated display cases, walk-in coolers or walk-in freezers served by C403.11.3 remote compressors and remote condensers not located in a C403.11.3 condensers not comply with Sections (ME123)3 C403.11.3.1 and refrigeration compressor systems that comply with C403.11.3.2.	, C403.11.3 .1, C403.11.3 .2	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	□Does Not □Not Observable	Exception: Requirement does not apply.

Project Title: The Reserves at Eagle Point Clubhouse

Project Information					
Energy Code:	2021 IECC				
Project Title:	The Reserves at Eagl	e Point Clubho	use		
Location:	Aurora, Colorado				
Climate Zone:	5b				
Project Type:	New Construction				
Vertical Glazing / Wall Area:	14%				
Construction Site:	Owner/Agent:			gner/Contra	
Stephen D. Hogen Pkwy and Picadilly Rd	Overland Property	Group		n Lewis-Sm	ith, P.E. ac Place, Suit
Aurora, Colorado 80018					ac Place, Sult nsas 66503
Additional Efficiency Pac	kage(s)			5-587-8042	
Credits: 10.0 Required 22.5 Prop Reduced lighting power, 16.0 cr 10% cooling efficiency improven 10% heating efficiency improver	edit nent, 5.5 credit				
Building Area		Floor	Area		
1-Tenant use Clubhouse (Office) :	Nonresidential	4	980		
Floor: Unheated Slab-On-Grade, Ve	ertical 2 ft., [Bldg. Use 1 -	Perimeter 337		15.0	0.520
Tenant use Clubhouse] (c) Roof: Attic Roof, Wood Joists, [Bldg	Un 1 Townshire				
Clubhouse]	g. Ose 1 - Teriant use	4980	49.0	0.0	0.021
NORTH	[Ridg Use 1 - Tenant use	1255	20.0	6.0	0.044
Clubbousel	, [Diag. OSC 1 Terraine asc				0.630
Ext. Wall: Wood-Framed, 16in. o.c. Clubhouse] Door: Wood, Swinging, [Bldg. Use:		54			
Clubhouse] Door: Wood, Swinging, [Bldg. Use : Door: Insulated Metal, Swinging, [B	1 - Tenant use Clubhouse]	54 21			0.370
Clubhouse] Door: Wood, Swinging, [Bldg. Use : Door: Insulated Metal, Swinging, [E Clubhouse]	1 - Tenant use Clubhouse] Bldg. Use 1 - Tenant use	21			
Clubhouse] Door: Wood, Swinging, [Bldg. Use : Door: Insulated Metal, Swinging, [E Clubhouse] Window: Vinyl Frame: Fixed, Perf. : Vinyl, Quaker Manchester Vinyl, St	1 - Tenant use Clubhouse] Bldg. Use 1 - Tenant use Specs.: Product ID Cascade				0.370 0.360
Clubhouse] Door: Wood, Swinging, [Bldg. Use ' Door: Insulated Metal, Swinging, [E Clubhouse] Window: Vinyl Frame: Fixed, Perf. vinyl, Quaker Manchester Vinyl, SH Tenant use Clubhouse] (b) EAST Ext. Wall: Wood-Framed, 16in. o.c.	1 - Tenant use Clubhouse] Bldg. Use 1 - Tenant use Specs.: Product ID Cascade IGC 0.38, [Bldg. Use 1 -	21		6.0	
Clubhouse] Door: Wood, Swinging, [Bldg. Use: Door: Insulated Metal, Swinging, [E Clubhouse] Window: Vinyl Frame: Fixed, Perf. vinyl, Quaker Manchester Vinyl, St Tenant use Clubhouse] (b) EAST Ext. Wall: Wood-Framed, 16in. o.c. Clubhouse] Door: Insulated Metal, Swinging, [E	T-enant use Clubhouse] Bldg. Use 1 - Tenant use Specs.: Product ID Cascade IGC 0.38, [Bldg. Use 1 - , [Bldg. Use 1 - Tenant use	21 195			0.360
Clubhouse] Door: Wood, Swinging, [Bldg. Use : Door: Insulated Metal, Swinging, [B	T-enant use Clubhouse] Idg. Use 1 - Tenant use Specs.: Product ID Cascade IGC 0.38, [Bidg. Use 1 -	21 195 649			0.360
Clubhouse] Door: Wood, Swinging, [Bldg. Use: Door: Insulated Metal, Swinging, [E Clubhouse] Window: Vinyl Frame: Fixed, Perf.: Vinyl, Quaker Manchester Vinyl, SF Tenant use Clubhouse] EAST EAST EAST Door: Insulated Metal, Swinging, [E Clubhouse] Door: Insulated Metal, Garage doo Tenant use Clubhouse! Window: Vinyl Frame: Fixed, Perf. Vinyl, Quaker Manchester Vinyl, SF	1 - Tenant use Clubhouse] 3ldg. Use 1 - Tenant use Specs.: Product ID Cascade 4GC 0.38, [Bldg. Use 1 - , [Bldg. Use 1 - Tenant use 3ldg. Use 1 - Tenant use r 14% glazing, [Bldg. Use 1 - Specs.: Product ID Cascade	21 195 649 48	20.0		0.360 0.044 0.370
Clubhouse] Door: Wood, Swinging, [Bidg. Use: Door: Insulated Metal, Swinging, [E Clubhouse] Window: Vinyl Frame: Fixed, Perf. vinyl, Quaker Manchester Vinyl, St Tenant use Clubhouse] (b) EAST Ext. Wall: Wood-Framed, 16in. o.c. Clubhouse] Door: Insulated Metal, Swinging, [E Clubhouse] Door: Insulated Metal, Garage doo Tenant use Clubhouse] Window: Vinyl Frame: Fixed, Perf.	1 - Tenant use Clubhouse] 3ldg. Use 1 - Tenant use Specs.: Product ID Cascade 4GC 0.38, [Bldg. Use 1 - , [Bldg. Use 1 - Tenant use 3ldg. Use 1 - Tenant use r 14% glazing, [Bldg. Use 1 - Specs.: Product ID Cascade	21 195 649 48 64	20.0		0.360 0.044 0.370 0.370
Clubhouse] Door: Wood, Swinging, [Bidg. Use : Door: Insulated Metal, Swinging, [E Clubhouse] Window: Vinyl Frame: Fixed, Perf., vinyl, Quaker Manchester Vinyl, St Tenant use Clubhouse] (b) EAST EXT. Wall: Wood-Framed, 16in. o.c. Clubhouse] Door: Insulated Metal, Swinging, [E Clubhouse] Door: Insulated Metal, Garage doo Tenant use Clubhouse] Window: Vinyl Frame: Fixed, Perf. vinyl, Quaker Manchester Vinyl, St Tenant use Clubhouse] (b) SOUTH	1 - Tenant use Clubhouse] 3ldg. Use 1 - Tenant use Specs.: Product ID Cascade 4GC 0.38, [Bldg. Use 1 - , [Bldg. Use 1 - Tenant use 3ldg. Use 1 - Tenant use r 14% glazing, [Bldg. Use 1 - Specs.: Product ID Cascade	21 195 649 48 64	20.0		0.360 0.044 0.370 0.370

COMcheck Software Version COMcheckWeb
Inspection Checklist
Energy Code: 2021 IECC

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception 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

6. Req.ID
Clo3.2 Plans and/or specifications provide all Complies
(PR1)¹ information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.

Close Post Requirement will be met.

Does Not Observable
Not Observable
Not Applicable

envelope and document where exceptions to the standard are claimed.

C103.2 [PR2]¹¹ | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical and service water lealimed. Load calculations provide all information with which compliance can be determined for the mechanical and service water lealimed. Load calculations per acceptable engineering standards and handbooks. Hot water system sized per manufacturer's sizing guide.

C103.2 [PR4]¹ | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment the standard are claimed. Information provided should include interior lighting power calculations, watage of bulbs and ballasts, transformers and control devices.

C103.2 [PR8]¹ | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include externior lighting power calculations, watage of bulbs and ballasts, transformers and common the where exceptions to the standard are claimed. Information provided should include externior lighting power calculations, watage of bulbs and ballasts, transformers and control devices.

C402.4.1 The vertical fenestration area <= 30 | Complies | Does Not | Does

COMcheck Software Version COMcheckWeb

	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget I Factor
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant of	use 1121	20.0	6.0	0.044	0.051
Clubhouse] Door: Insulated Metal, Swinging, [Bldg. Use 1 - Tenant use Clubhouse]	224			0.370	0.370
Window: Vinyl Frame: Fixed, Perf. Specs.: Product ID Casc vinyl, Quaker Manchester vinyl, SHGC 0.38, [Bldg. Use 1 - Tenant use Clubhouse] (b)	ade 183			0.360	0.360
<u>WEST</u> Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Tenant ι Clubhouse]	use 649	20.0	6.0	0.044	0.051
Window: Vinyl Frame: Fixed, Perf. Specs.: Product ID Casc vinyl, Quaker Manchester vinyl, SHGC 0.38, [Bldg. Use 1 - Tenant use Clubhouse] (b)	ade 143			0.360	0.360
(a) Budget U-factors are used for software baseline calc (b) Fenestration product performance must be certified (c) Slab-On-Grade proposed and budget U-factors show	in accordance with NI	FRC and re			entation.
Envelope PASSES: Design 0.3% better than code		-			
Envelope Compliance Statement					
mandatory requirements listed in the Inspection Checklist. Name - Title Signa				Date	
Project Title: The Reserves at Eagle Point Clubhouse					
Project Title: The Reserves at Eagle Point Clubhouse Data filename:			1	Report o	
					date: 12/00 ge 2 of

Section Plan Review Complies? Comments/Assumptions

Plan Review Compiles? Comments/Assumptions

& Req.ID

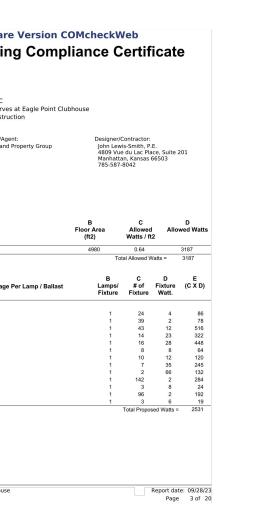
C402.4.2 In enclosed spaces > 2,500 ft2 directly under a roof with ceiling helphts > 15 ft. and used as an office, lobby, attitum, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated overloses, retail store, and transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.

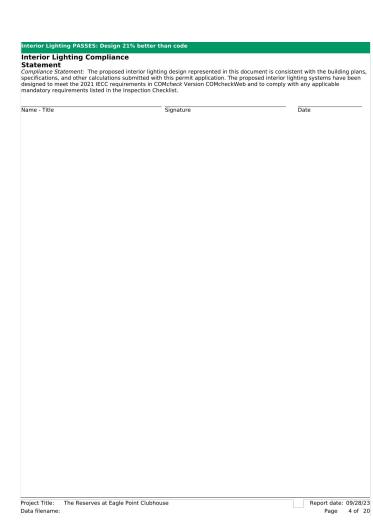
C406 Plans, specifications, and/or calculations provide all information with which compilance can be defined and the additional energy efficiency package options.

Additional Comments/Assumptions:

Proposed U-Factor	Budget U- Factor(a)						
0.044	0.051	- ↑ C	OM <i>check</i> Software Version	on COMcheckV	Veb		
		e ^{d w} /4 le	nterior Lighting Co	mpliance C	ertif	icate	
0.370	0.370	V "	.torioi Ligiturig Co			·ouio	
0.360	0.360						
		Project Inform	ation				
0.044	0.051	Energy Code:	2021 IECC				
0.360	0.360	Project Title: Project Type:	The Reserves at Eagle Po New Construction	oint Ciubnouse			
ents. porting docume	entation.	Construction Site: Stephen D. Hogen Picadilly Rd Aurora, Colorado 8		up John Lev 4809 Vu Manhatt	an, Kansas 6	ce, Suite 201	I
		Additional Effi	ciency Package(s)	785-587	-8042		
ith the building systems have t ith any applical	oeen	10% cooling effici 10% heating effic	ed 22.5 Proposed sower, 16.0 credit ency improvement, 5.5 credit ency improvement, 1.0 credit or Lighting Power				
		Allowed Interio	or Lighting Power	В	С	1	D
Date			Area Category	Floor Area (ft2)	Allowed Watts / ft	Allowe	
		1-Tenant use Clubho	use (Office)	4980	0.64	31	187
				To	tal Allowed W	atts = 31	187
		Proposed Inter	ior Lighting Power	В	С	D	
		Fixture I	D : Description / Lamp / Wattage Per Lamp / B		# of Fixture		(C)
		1-Tenant use Club	house (Office)				
		LED: B: FLUSH LEI		1	24	4	
			STRIP: Other:	1 1	24 39 43	4 2 12	
		LED: B: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOV LED: D2: LED DOV	D STRIP: Other: /NLIGHT: Other: /NLIGHT: Other:	1 1 1	39 43 14	2 12 23	
		LED: B: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOW LED: D2: LED DOW LED: D3: LED DOW	O STRIP: Other: VILIGHT: Other: VILIGHT: Other: VILIGHT: Other:	1 1 1 1	39 43 14 16	2 12 23 28	1
		LED: B: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOV LED: D2: LED DOV LED: D3: LED DOV LED: F1: LED DOV	O STRIP: Other: VNLIGHT: Other: VNLIGHT: Other: VNLIGHT: Other: VNLIGHT: Other:	1 1 1	39 43 14 16 8	2 12 23 28 8	
		LED: B: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOW LED: D2: LED DOW LED: D3: LED DOW	STRIP: Other: NNLIGHT: Other: NNLIGHT: Other: NNLIGHT: Other: NNLIGHT: Other: NLIGHT: Other: NLIGHT: Other:	1 1 1 1	39 43 14 16	2 12 23 28	
		LED: 8: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOV LED: D2: LED DOV LED: D3: LED DOV LED: F1: LED DOV LED: F1: LED DOV LED: G: LED STRIF LED: H: LED STRIF	STRIP: Other: //NLIGHT: Other: //Other: //Other: //Other:	1 1 1 1 1 1 1 1	39 43 14 16 8 10 7	2 12 23 28 8 12 35 66	
		LED: B: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOV LED: D2: LED DOV LED: G3: LED DOV LED: F1: LED DOV LED: F2: LED DOV LED: G: LED STRIF LED: H: LED STRIF LED: H: LED STRIF LED: LED STRIF	STRIP: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: Other: Other: Other: Cother:	1 1 1 1 1 1 1	39 43 14 16 8 10 7 2	2 12 23 28 8 12 35 66 2	
		LED: 8: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOW LED: D2: LED DOW LED: D3: LED DOW LED: T2: LED DOW LED: T2: LED DOW LED: T2: LED STRIF LED: H: LED STRIF LED: J: LED SURFA LED: J: LED SURFA LED: J: LED SURFA LED: LED SURFA	STRIP: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: Other: : Other: : Other: EE: Other: EE: Other:	1 1 1 1 1 1 1 1 1	39 43 14 16 8 10 7 2 142 3	2 12 23 28 8 12 35 66 2 8	
		LED: B: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOV LED: D2: LED DOV LED: G3: LED DOV LED: F1: LED DOV LED: F2: LED DOV LED: G: LED STRIF LED: H: LED STRIF LED: H: LED STRIF LED: LED STRIF	D STRIP: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: Other: Other: COther: COther: E: Other: E: Other: CE: Other:	1 1 1 1 1 1 1	39 43 14 16 8 10 7 2	2 12 23 28 8 12 35 66 2	
		LED: B: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOV LED: D2: LED DOV LED: D3: LED DOV LED: F1: LED DOV LED: F1: LED STRIP LED: H: LES SCON LED: K: LES SCON LED: K: LES SCON	D STRIP: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: Other: Other: COther: COther: E: Other: E: Other: CE: Other:	1 1 1 1 1 1 1 1 1	39 43 14 16 8 10 7 2 142 3	2 12 23 28 8 12 35 66 2 8 2	2
		LED: B: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOV LED: D2: LED DOV LED: D3: LED DOV LED: F1: LED DOV LED: F1: LED STRIP LED: H: LES SCON LED: K: LES SCON LED: K: LES SCON	D STRIP: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: Other: Other: COther: COther: E: Other: E: Other: CE: Other:	1 1 1 1 1 1 1 1 1	39 43 14 16 8 10 7 2 142 3 96 3	2 12 23 28 8 12 35 66 2 8 2	2
	Jate: 12/06/23	LED: 8: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOW LED: D2: LED DOW LED: D3: LED DOW LED: F1: LED DOW LED: F2: LED DOW LED: G: LED STRIF LED: H: LED STRIF LED: H: LED STRIF LED: L: LED SOWN LED: C: LED DOWN LED: C: LED DOWN LED: C: LED DOWN LED: C: LED DOWN LED: L: LED SOWN	D STRIP: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: Other: Other: COther: COther: E: Other: E: Other: CE: Other:	1 1 1 1 1 1 1 1 1	39 43 14 16 8 10 7 2 142 3 96 3 Total Propos	2 12 23 28 8 12 35 66 2 8 2	
Report c		LED: 8: FLUSH LEI LED: C: FLUSH LEI LED: D1: LED DOW LED: D2: LED DOW LED: D3: LED DOW LED: F1: LED DOW LED: F2: LED DOW LED: G: LED STRIF LED: H: LED STRIF LED: H: LED STRIF LED: L: LED SOWN LED: C: LED DOWN LED: C: LED DOWN LED: C: LED DOWN LED: C: LED DOWN LED: L: LED SOWN	D STRIP. Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: NULGHT: Other: Other: Other: Cother: CE: Other: CE: Other: CE: Other: CE: Other: CE: Other: CE: Other:	1 1 1 1 1 1 1 1 1	39 43 14 16 8 10 7 2 142 3 96 3 Total Propos	2 12 23 28 8 12 35 66 2 8 2 6 2 8 2 6 6 2 8	

Section
Footing / Foundation Inspection Complies?
& Req.ID





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

| CA02.4.5 | U-factor of opaque swinging and nonswinging doors associated with the building thermal envelope meets requirements. | Does Not building thermal envelope meets requirements. | Not Observable | Not O



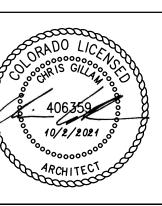
Project	Information			
Energy Co		2021 IECC		
Project Tit		The Reserves at Eagle Point Club	house	
Location:		Aurora, Colorado		
Climate Zo Project Ty		5b New Construction		
Project ry	pe:	New Construction		
Construct	ion Site:	Owner/Agent:	Designer/Contracto	or:
Stephen Picadilly	D. Hogen Pkwy and	Overland Property Group	John Lewis-Smith, 4809 Vue du Lac	
Aurora, (Colorado 80018		Manhattan, Kansa	
	nal Efficiency Pack	age(s)	785-587-8042	
Credits: 1	LO.0 Required 22.5 Propos	sed		
Reduce	d lighting power, 16.0 creationing efficiency improvement	dit		
10% he	eating efficiency improvem	ent, 1.0 credit		
	nical Systems List			
Quantity 1	System Type & Descript HP-1 (Single Zone):	tion		
	Cooling Mode: Capacity = Proposed Efficiency = Proposed Part Load Eff Fan System: BC-1 Com index for VAVs must be 0 Fans:	18.20 SEER2, Required Efficiency = 14.30 iciency = 0.00 , Required Part Load Effici pliance (Motor nameplate HP and fan effi	0 SEER2 ency = 0.00 iciency method) : Fails: FAN	
	fan <= 5HP	one vav, 1125 CFM, 0.5 motor namepiat	e rip, 0.00 fair energy index	, ran exception: Single
1	Cooling Mode: Capacity = Proposed Efficiency = Proposed Part Load Eff Fan System: BC-2 Com index for VAVs must be 0 Fans:	8.70 HSPF2, Required Efficiency = 7.50 H = 22 kBtu/h, 2 22 kBtu/h, 18.00 SEER2, Required Efficiency = 14.30 iciency = 0.00 , Required Part Load Efficiency pilaince (Motor nameplate HP and fan effi .95 or higher	0 SEER2 ency = 0.00 ciency method) : Fails: FAN	
	fan <= 5HP	one VAV, 875 CFM, 0.5 motor nameplate	np, 0.00 fan energy index ,	ran exception: Single
1	HP-3 (Single Zone):			
	Cooling Mode: Capacity = Proposed Efficiency = Proposed Part Load Eff	10.00 HSPF2, Required Efficiency = 7.50 = 26 kBtu/h, 18.20 SEER2, Required Efficiency = 14.30 liciency = 0.00, Required Part Load Effici ppliance (Motor nameplate HP and fan effi	SEER2 ency = 0.00	3 : FAILS: Fan energy

add	System Type & Description Fans:		
		VAV, 1125 CFM, 0.5 motor nameplate hp,	0.00 fan energy index , fan exception: Singl
1	Cooling Mode: Capacity = 26 Proposed Efficiency = 18.2 Proposed Part Load Efficiency	00 HSPF2, Required Efficiency = 7.50 HSPF kBtu/h, 20 SEER2, Required Efficiency = 14.30 SEE ancy = 0.00, Required Part Load Efficiency ance (Motor nameplate HP and fan efficien	R2
	Fans: FAN 4 Supply, Multi-Zone V fan <= 5HP	VAV, 1125 CFM, 0.5 motor nameplate hp, 0	0.00 fan energy index , fan exception: Single
ì	HWH: Electric Storage Water Heate No minimum efficiency rec	r, Capacity: 40 gallons w/ Circulation Pum juirement applies	p
Mechar	nical Compliance State	ement	
specificati designed 1	ons, and other calculations su	bmitted with this permit application. The p ments in COMcheck Version COMcheckWe	iment is consistent with the building plans, proposed mechanical systems have been bb and to comply with any applicable
Name - Tit	le	Signature	Date
P roject Tit	le: The Reserves at Eagle P		Report date: 09/28



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OR



REVISION:

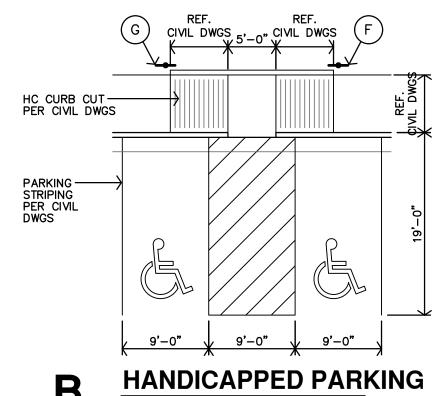
DATE: 12-5-2023 22-3219 JOB:

SHEET NO.:

EN3

5111	E PLAN KEY NOTES
A	MONUMENT SIGN REF. SHEET A1.3
В	KNOX BOX COORD. W/ FIRE DEPT. (TYP)
©	MECH. CLOSET REF. & COORDINATE W/ M/E DRAWINGS (TYP)
(D)	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)
H	PAINTED STRIPPING @ ACCESSIBLE ROUTE
(J)	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
N	BENCH - (10) PARK BENCHES REF. J/A1.3
P	TRASH RECEPT. — (3) TRASH RECEPTACLE PER MASTER PLAN GUIDELINES REF. A1.3
(Q)	MONUMENT SIGN - DESIGN PER EAGLE RIDGE MASTER PLAN

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



PARKING SUMMARY

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

PRO'	MDED	
TOTA	L STALLS	227
STAN	DARD STALLS	174
GUES	T STALLS	39
ACCE	SSIBLE STALLS	14
PARK	ING RATIO (STALLS/UNITS)	1.18
BICY	CLE PARKING SPACES	20

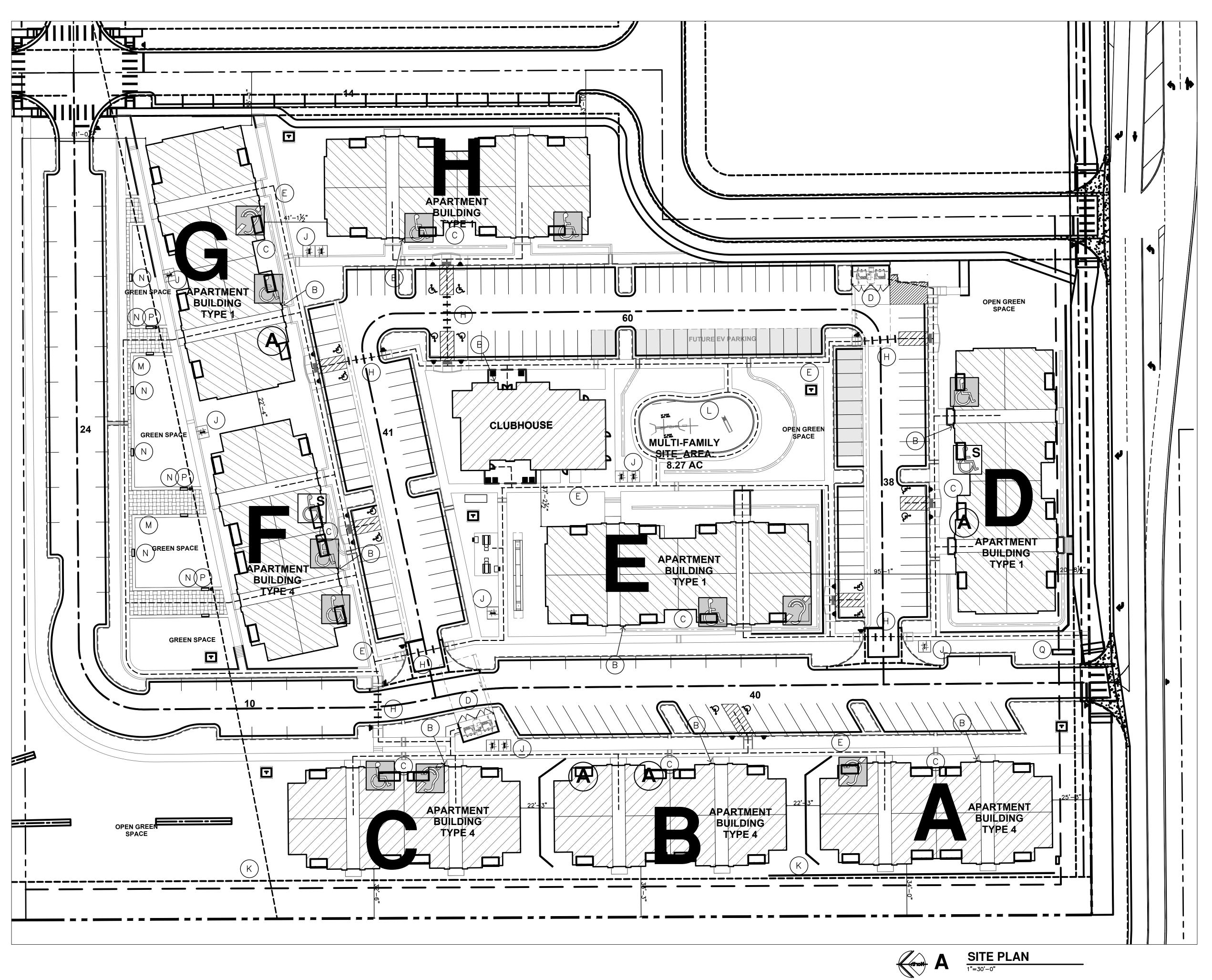
PARKING MEETS ZONING REQ'S. .85/DWELLING UNIT = 163.2

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



JonesGillamRen 730 N. Ninth 1881 Main Street, Suite 3 Salina, KS 67401 Kansas City, MO 641 785.827.0386 jgr@jgrarchitects.c

RESERVES at EAGLE
435 NORTH PICADILLY RD

AURO

000 LICENO CONTROL OF STREET OF STRE

REVISION:

DATE: 12-5-2023

JOB: 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	В,С	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

	FINST 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		
LABEL	TYPE	PER UNIT	FLOOR	PER FLOOR		
B B	TYPE 2-BED, 2-BATH	214 sf 201 sf	FLOOR	PER FLOOR 642 sf		
B B	TYPE 2-BED, 2-BATH 2-BED, 2-BATH	214 sf 201 sf	FLOOR	PER FLOOR 642 sf		

SECOND	FLOOR
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	TOTAL			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

SUMMARY

SOMMAN I			
	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

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	
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	MECHANICAL CLOSET 2-BED, 2-BATH	27 sf 214 sf	4	856 sf

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 LABEL	UNIT TYPE	UN-HTD SF PER UNIT	UNITS PER FLOOR	UN-HTD SF PER FLOOR	
Α	1-BED, 1-BATH	231 sf	4	924 sf	
В	2-BED, 2-BATH	214 sf	4	856 sf	
TOTAL			8	1,780 sf	

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
UNIT LABEL	UNIT TYPE	UN-HTD SF PER UNIT	UNITS PER FLOOR	UN-HTD SF PER FLOOR
LABEL	TYPE	PER UNIT	FLOOR	PER FLOOR
LABEL A	TYPE 1-BED, 1-BATH 2-BED, 2-BATH	PER UNIT 231 sf	FLOOR 4	PER FLOOR 924 sf

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

NOTE: UNIT NUMBERS SHOWN ARE FOR CONSTRUCTION PURPOSES ONLY & DO NOT **APARTMENT CHART** REFLECT FINAL UNIT NUMBERING/LETTERING.

, ,		IXEI EEG I	1111712 0111	I HOMBER	16/ LE I ILININ				
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		B105, B107		D105			G101		4
TYPE-B UNITS			REM	AINING FIRS	T FLOOR UI	NITS			46
STANDARD UNITS			ALL SE	COND & TH	HIRD FLOOR	UNITS			128
TOTAL	24	24	24	24	24	24	24	24	192

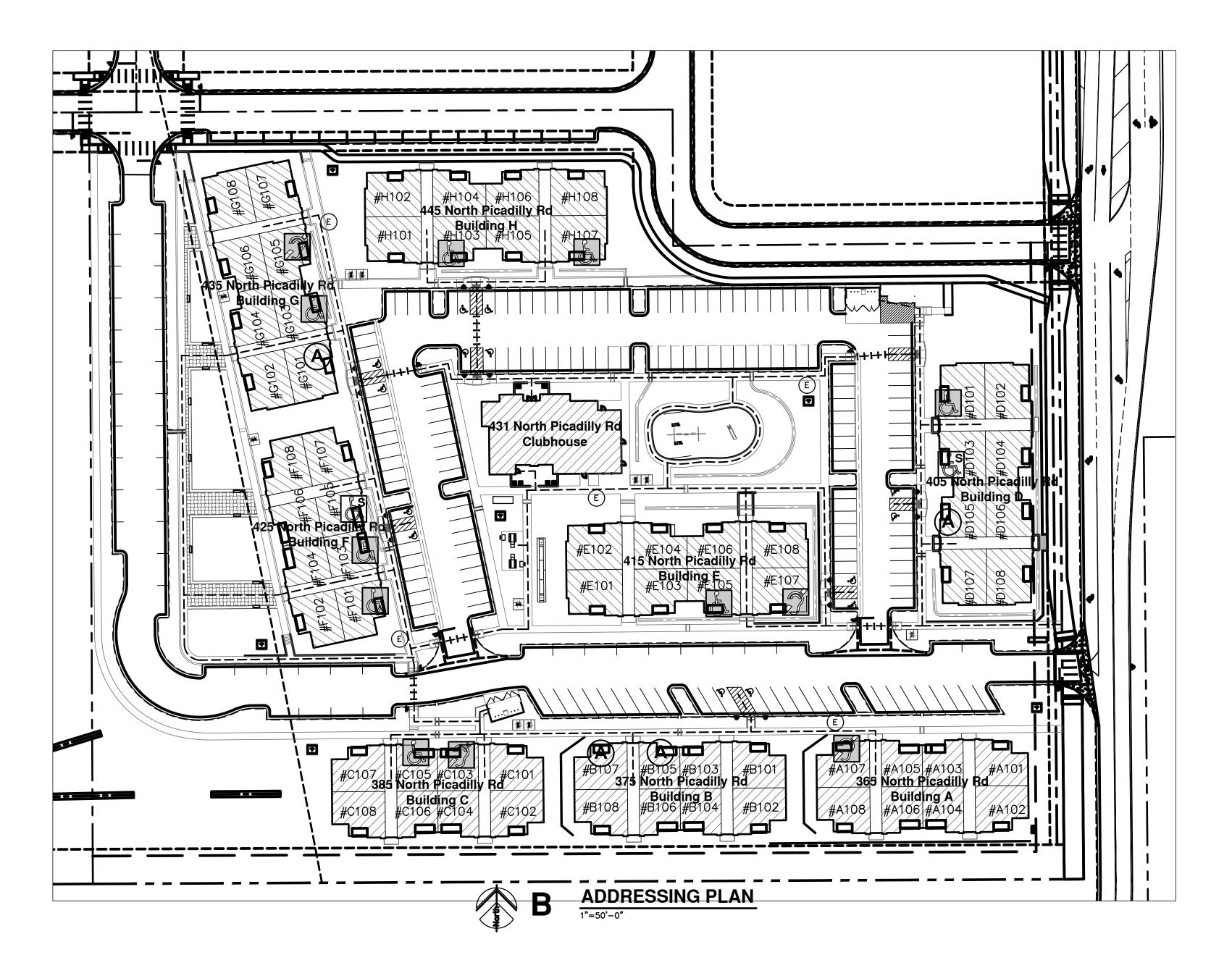
E107 - 3BED HEARING/VISION

C105 – 1BED ACCESSIBLE F105 – 1BED ACCESSIBLE (ROLL-IN) C103 – 1BED HEARING/VISION B105 – 1BED TYPE-A F101 – 2BED ACCESSIBLE F105 – 3BED HEARING/VISION F105 – 2BED TYPE-A F105 – 3BED TYPE-A F105

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

D101 - 3BED ACCESSIBLE H107 - 3BED ACCESSIBLE

COLORADO HOUSE BILL 03-1221 UNITS TYPES UNITS # POINTS 192 TOTAL UNITS = REQUIRED 84 14 (x6 points) 84 TYPE-A 50 (x1 points) 50 TYPE-B VISITABLE TOTAL POINTS PROVIDED



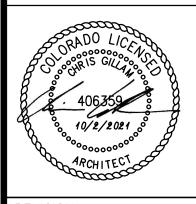
12-5-2023 22-3219 SHEET NO.:

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		B105, B107		D105			G101		4	
TYPE-B UNITS		•	REM	AINING FIRS	T FLOOR UI	NITS		•	46	
STANDARD UNITS		ALL SECOND & THIRD FLOOR UNITS								
TOTAL	24	24	24	24	24	24	24	24	192	

F105 - 1BED ACCESSIBLE (ROLL-IN) F103 - 1BED ACCESSIBLE D103 - 2BED ACCESSIBLE (ROLL-IN) A107 - 2BED HEARING/VISION F101 - 2BED ACCESSIBLE D105 - 2BED TYPE-A G105 - 2BED HEARING/VISION E105 - 2BED ACCESSIBLE E107 - 3BED HEARING/VISION G103 - 2BED ACCESSIBLE H103 - 2BED ACCESSIBLE

D101 - 3BED ACCESSIBLE H107 - 3BED ACCESSIBLE

PIC/ NORTH



REV: 11-20-2023

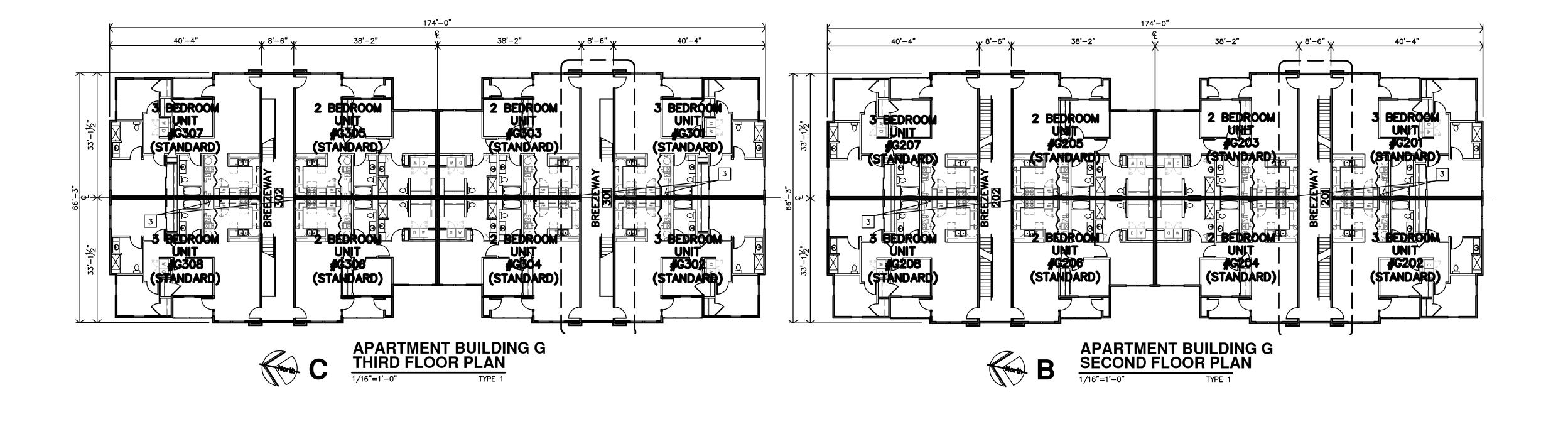
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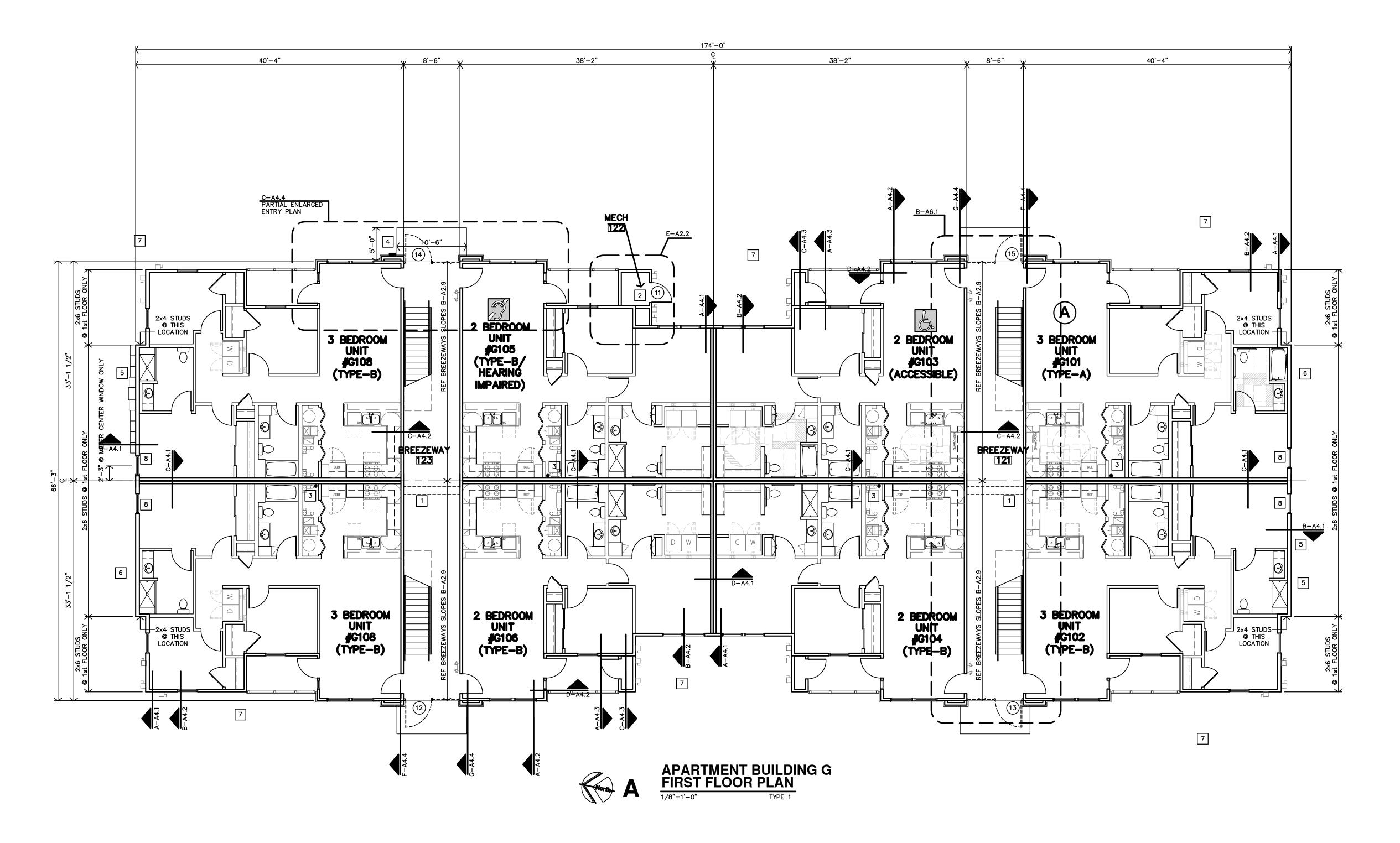
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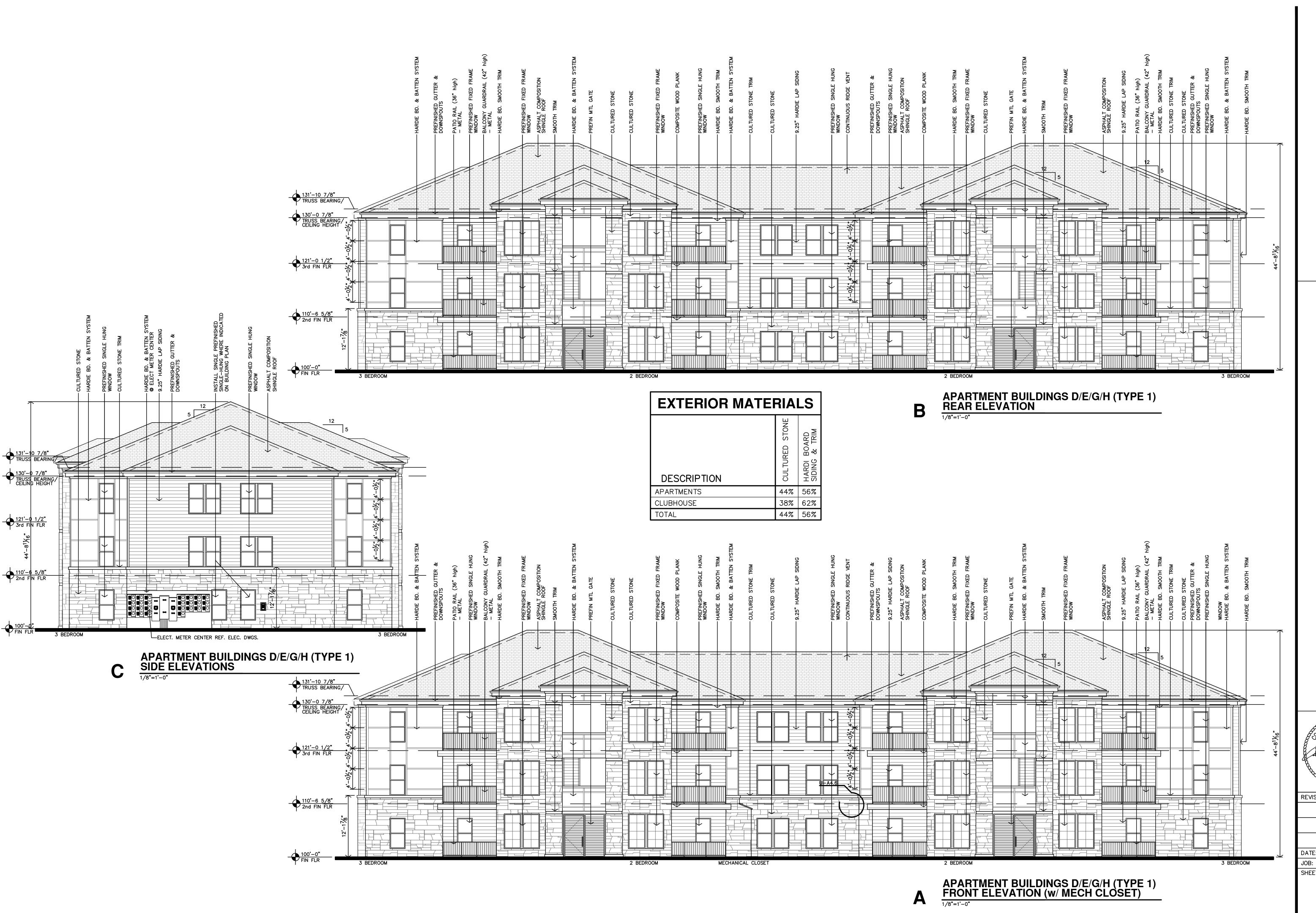
A2.0

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

A2.17







JonesGillamRenz
730 N. Ninth 1881 Main Street, Suite 3
Salina, KS 67401 Kansas City, MO 6410
785.827.0386 jgr@jgrarchitects.com

RESERVES at EAGL

REVISION:

10-2-2023 22-3219 © DATE: SHEET NO.:

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

C. 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. . The preceding minimum mix requirements may have

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 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

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

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

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

Roof Truss Design criteria:

Top Chord Dead Load

Live Load Deflection

= Per General Note 5B Bottom Chord Dead Load = 10 psf Live Load Deflection = L/480; (½" max) Total Load Deflection = 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

= 10 psf

= L/360

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.

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 $\ensuremath{\mathbb{W}}$ inches wide shall be fastened to each plate across and to each side of the opening with not less than (6) 16d nails, in

U. Construction bracing shall be provided by the contractor as

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: 1.) 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.



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G

	CONNECTION	ATTACHMENTS (REF NOT	E #3 and #4)
1	JOIST TO SILL OR GIRDER	3- 3" x O.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
2	BRIDGING TO JOIST	2- 3" x O.131" NAILS-TOENAIL EACH END	2-8d NAILS-TOENAIL EACH END
3	SOLE PLATE TO JOIST OR	3" × 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" x O.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" x O.131" NAILS-TOENAIL OR 3- 3" x 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 O.131" NAILS AT 12"o.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 O.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. MAXTOENA
II	TOP PLATE LAPS AND INTERSECTIONS	3- 3" x O.131" NAILS-FACE NAIL	2-16d NAILS-FACE NAIL
12	CONTINUOUS HEADER, TWO PIECES	3" × 0.131" NAILS AT 10"o.c. ALONG EACH EDGE	16d NAILS AT 16"o.c. MAX. ALONG EACH EDGE-TOENAIL
13	CEILING JOISTS TO PLATE	5- 3" × 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
4	CONTINUOUS HEADER TO STUD	4- 3" × O.I3I" NAILS-TOENAIL	4-8d NAILS-TOENAIL
5	CEILING JOISTS, LAPS OVER PARTITIONS	4- 3" x O.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
6	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
8	I" BRACE TO EACH STUD AND PLATE	2- 3" × O.I3I" 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 0.131" NAILS AT 24"o.c. FACE NAILED TOP AND BOTTOM STAGGERED ON OPPISOTE SIDES	20d NAILS AT 32"o.c. MAX. TOP AND BOTTOM, STAGGERED ON OPPSITE SIDES.
		3- 3" x 0.131" NAILS AT ENDS AND EACH SPLICE	2-20d NAILS AT ENDS AND EACH SPLICE
21	BUILT-UP LAMINATED VENEER LUMBER BEAMS	3" × 0.131" NAILS AT 6"0.c. TOP AND BOTTOM ALONG EDGE	16d NAILS AT 12"O.C. TOP AND BOTTOM ALONG EDGE
22	2" PLANKING	4- 3" x 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/SI.I

I.) ALL NAILS SHALL BE AS NOTED UNLESS OTHERWISE SPECIFIED ON STRUCTURAL DRAWINGS OR

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

10

H

OR

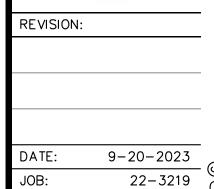
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REVISION:

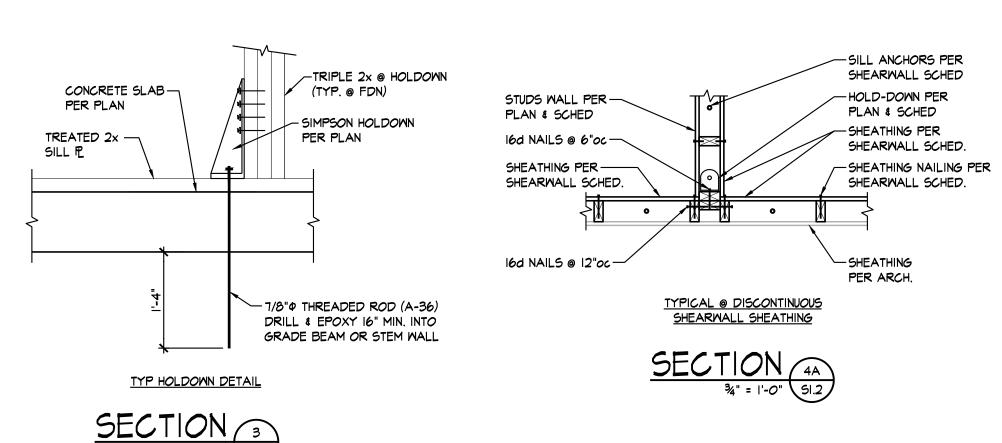
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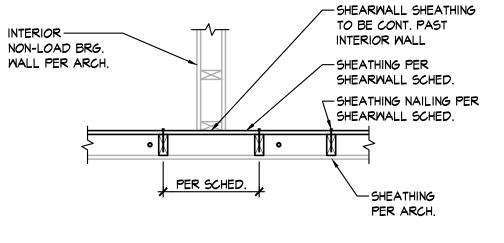
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Structural Engineers



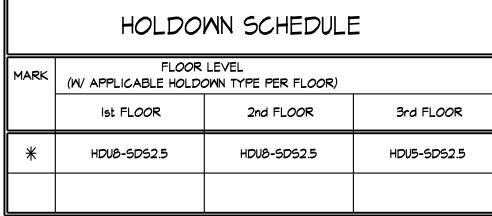






TYPICAL @ SHEARWALL CONTINUOUS PAST NON-LOAD BRG WALL

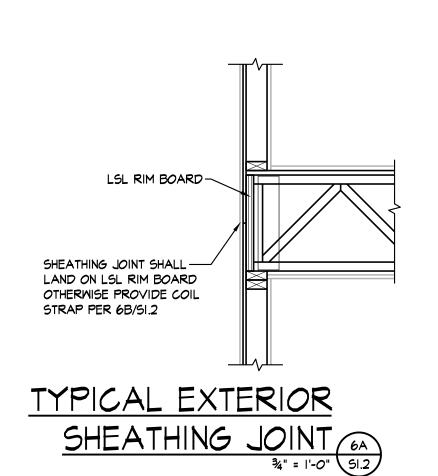




- HOLDOWN TYPES ARE BASED UPON MANUFACTURER SIMPSON STRONG-TIE.
- REFER TO SECTION DETAILS ON SI.2 FOR TYPICAL HOLDOWN DETAILS. 3. WHERE THE ENDS OF PERPENDICULAR SHEAR WALLS INTERSECT AND ONLY ONE HOLDOWN SHOWN ON PLAN, FASTEN ALL STUDS TOGETHER PER SCHEDULE AND USE LARGER OF THE TWO HOLDOWNS SHOWN 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 MEET QUANTITY NOTED IN SCHED.
- 5. REFER TO SECTIONS 2/SI.2, 3/SI.2, 4A/SI.2 & 4B/SI.2 FOR HOLDOWN ANCHOR

SHEARWALL SCHEDULE												
SHEARWALL LOCATION	SHEA	RMALL TYPE	FLC	OOR	SILL PLATE CONNECTION	NUMBER OF WALL STUDS						
			Ist FLOOR WALLS	2nd & 3rd FLOOR WALLS	(RE: NOTES 6 & 7)	AT HOLD-DOWN (RE: NOTE 4)						
AT DEMISING WALLS	SM	MATERIAL & THICKNESS	1/2" 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 1/2" 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.
- 7. TYPICAL SILL PLATE TO CONCRETE SHALL BE ½"中 ANCHORS: 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 2" 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 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.
- 10. NAILS @ WOOD STRUCTURE PANEL SHEAR WALLS SHALL BE GALVANIZED COMMON OF TYPE INDICATED IN SCHED.



TYP HOLDOWN DETAIL

SECTION (2)

— DBL 2x @ HOLDOWN

/─%"Ф THRU BOLT

%"Φ THRU BOLT

LFLOOR FRAMING

— DBL 2× @ HOLDOWN

PER PLAN

(A-36) @ 3rd FLOOR

(A-36) @ 2nd FLOOR

HOLDOWN & THRU -

BOLT PER SCHED.

HOLDOWN & THRU -

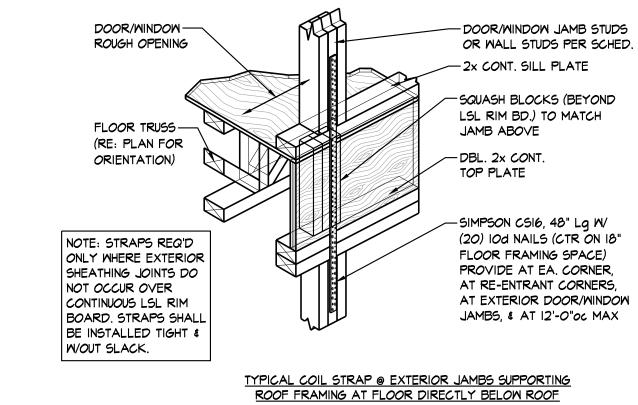
BOLT PER SCHED.

PER PLAN

FLOOR CONSTRUCTION 7

FRAMING

PER PLAN



BUILDING G 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

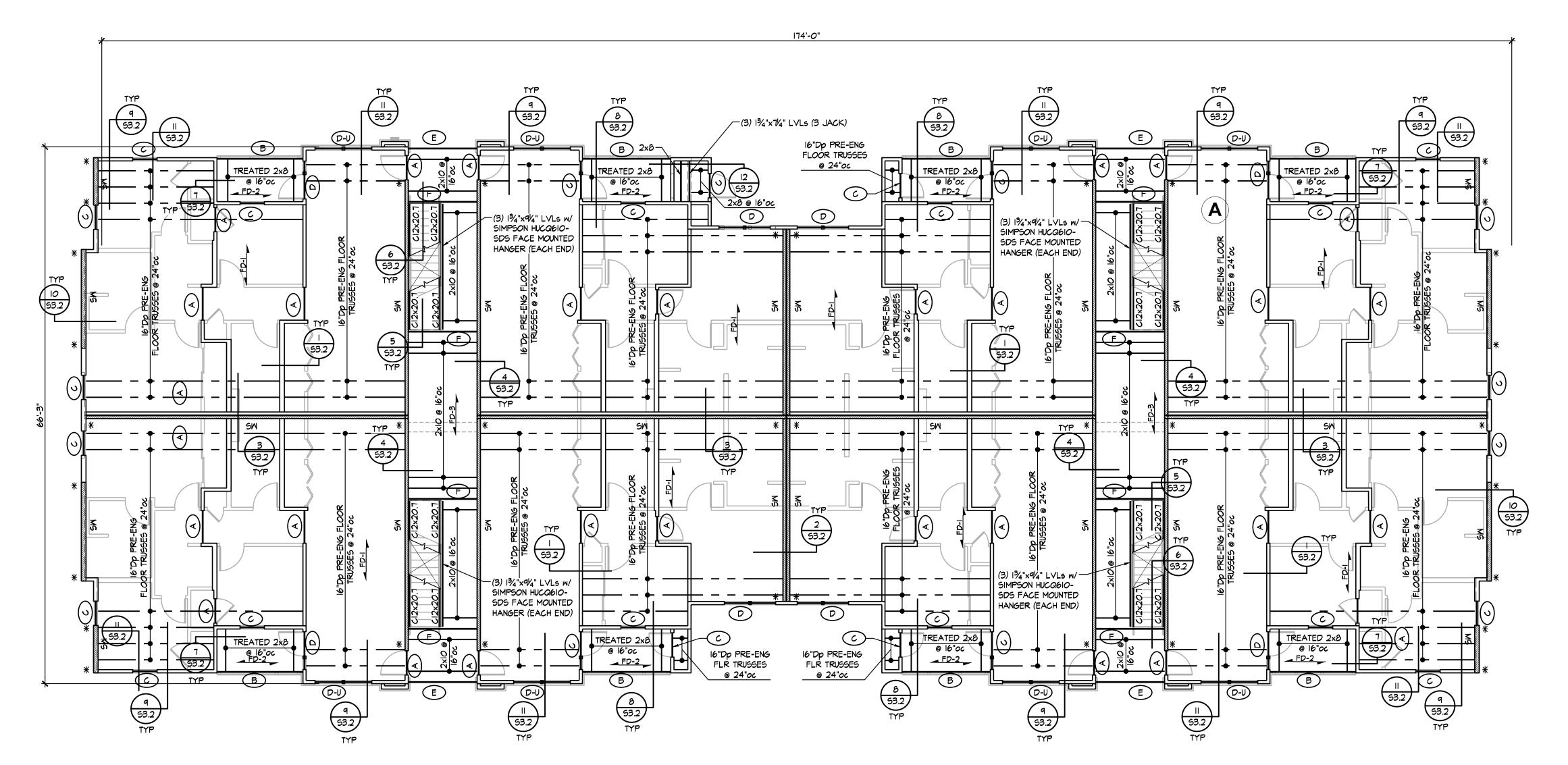
3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN

4. REFER TO SHEET S2.34 FOR SHEARWALL AND HOLDOWN INFORMATION

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

SERVES at 435 NORTH PICA

S2.30



BUILDING G 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 S2.34 FOR SHEARWALL AND HOLDOWN INFORMATION

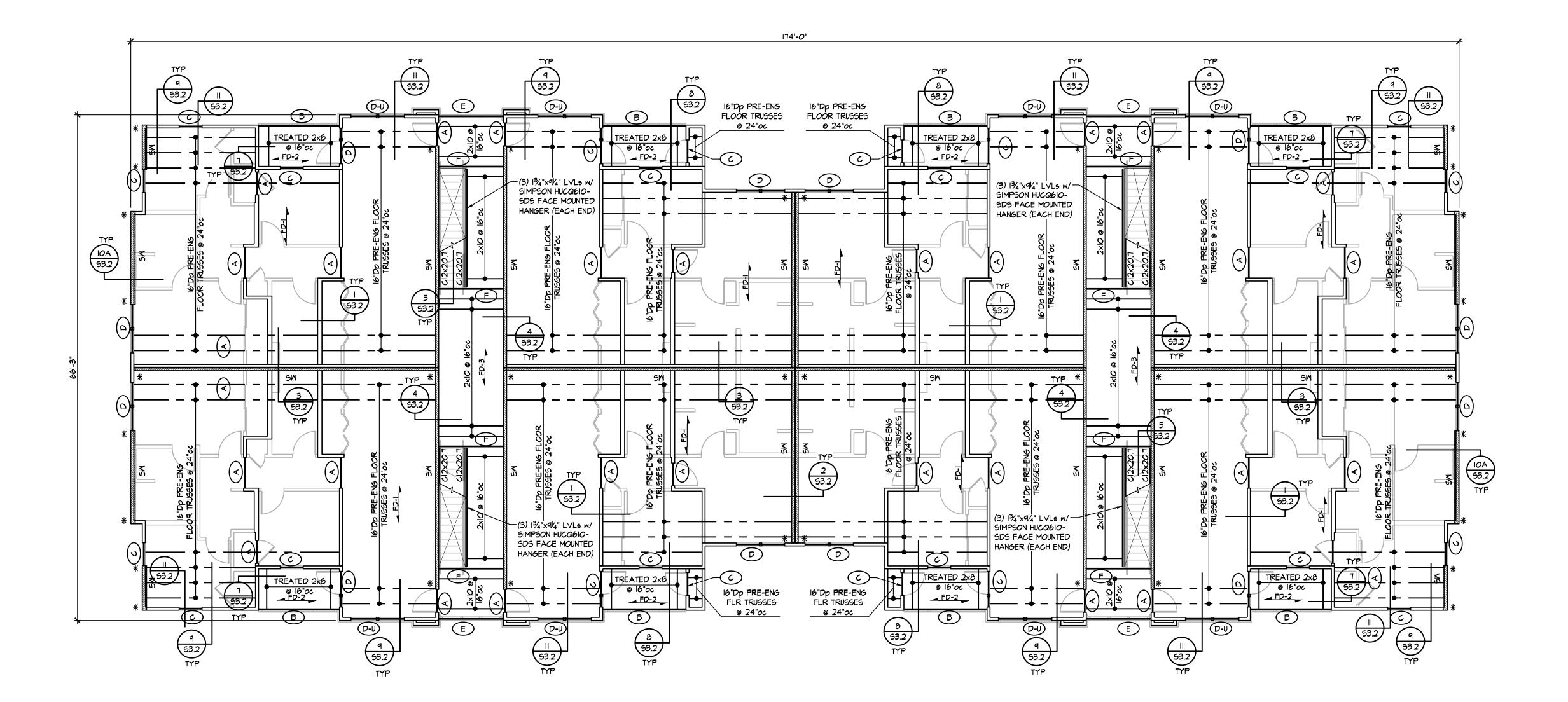
5. REFER TO SECTIONS 2, 4A AND 4B ON SHEET SI.2 FOR HOLDOWN DETAILS AT THE SECOND FLOOR 6. REFER TO SHEETS SI.I AND SI.2 FOR TYPICAL NAILING WOOD FRAMING DETAILS

SERVES at 435 NORTH PICA

REVISION:

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

S2.31 5



BUILDING G THIRD FLOOR FRAMING PLAN

NOTES:

I. REFER TO GENERAL NOTES ON SHEET SI.O

2. REFER TO HEADER SCHEDULE ON SHEET SI.I

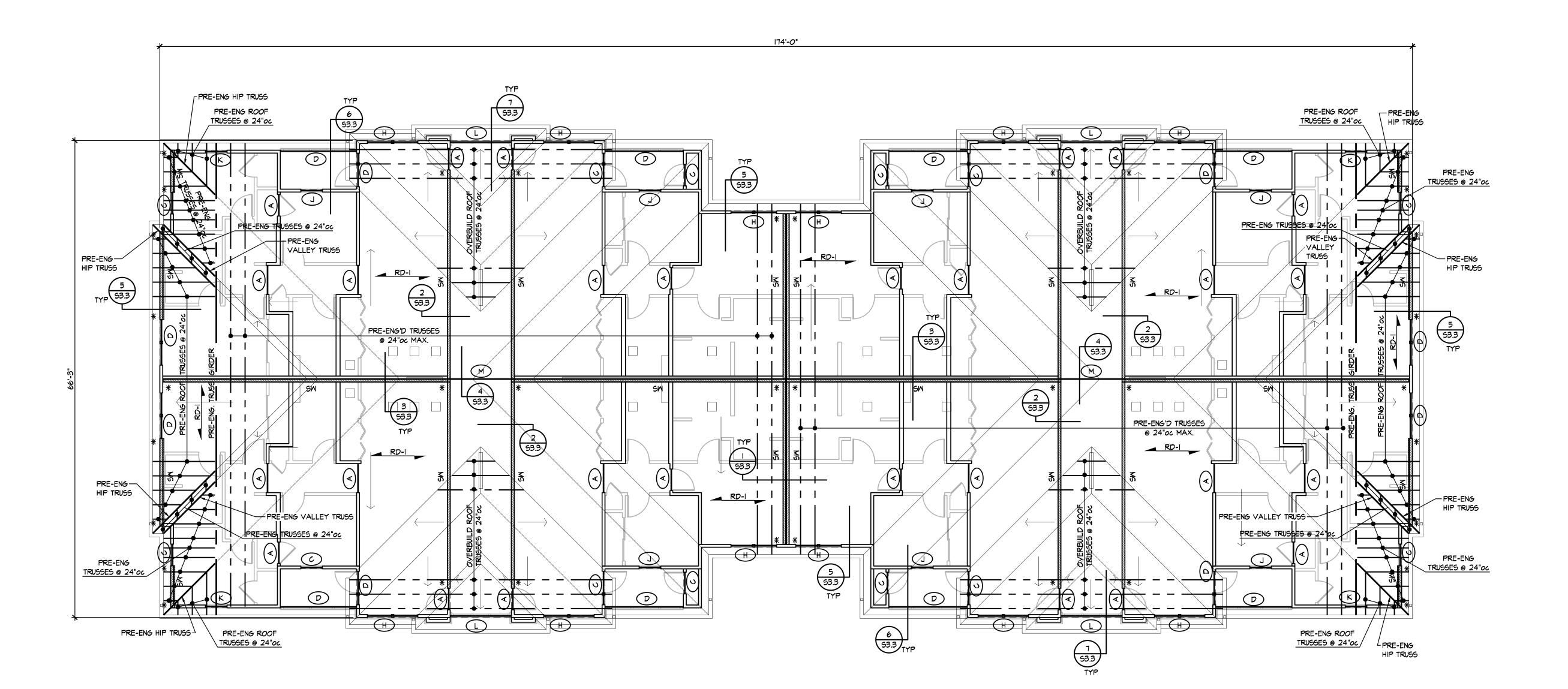
REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN

4. REFER TO SHEET 52.34 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

SERVES at 435 NORTH PICA

REVISION:

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

DATE: 9-20-2023 22-3219

JOB: SHEET NO.:

BUILDING G SHEARWALL PLAN 1/8" = 1'-0"

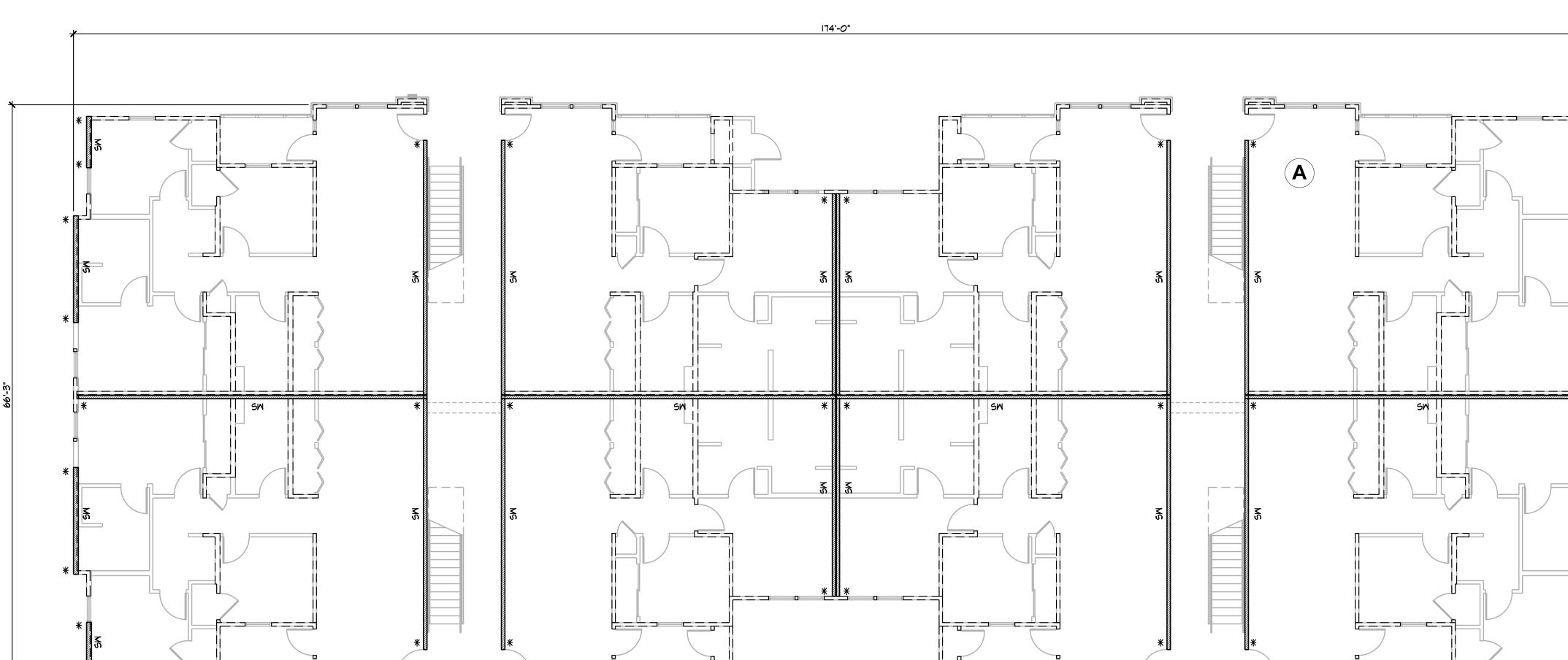
NOTES:

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

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

3.) SHEARWALLS/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 RESERVES a
435 NORTH PIC/



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

October 2023

onesGillamR

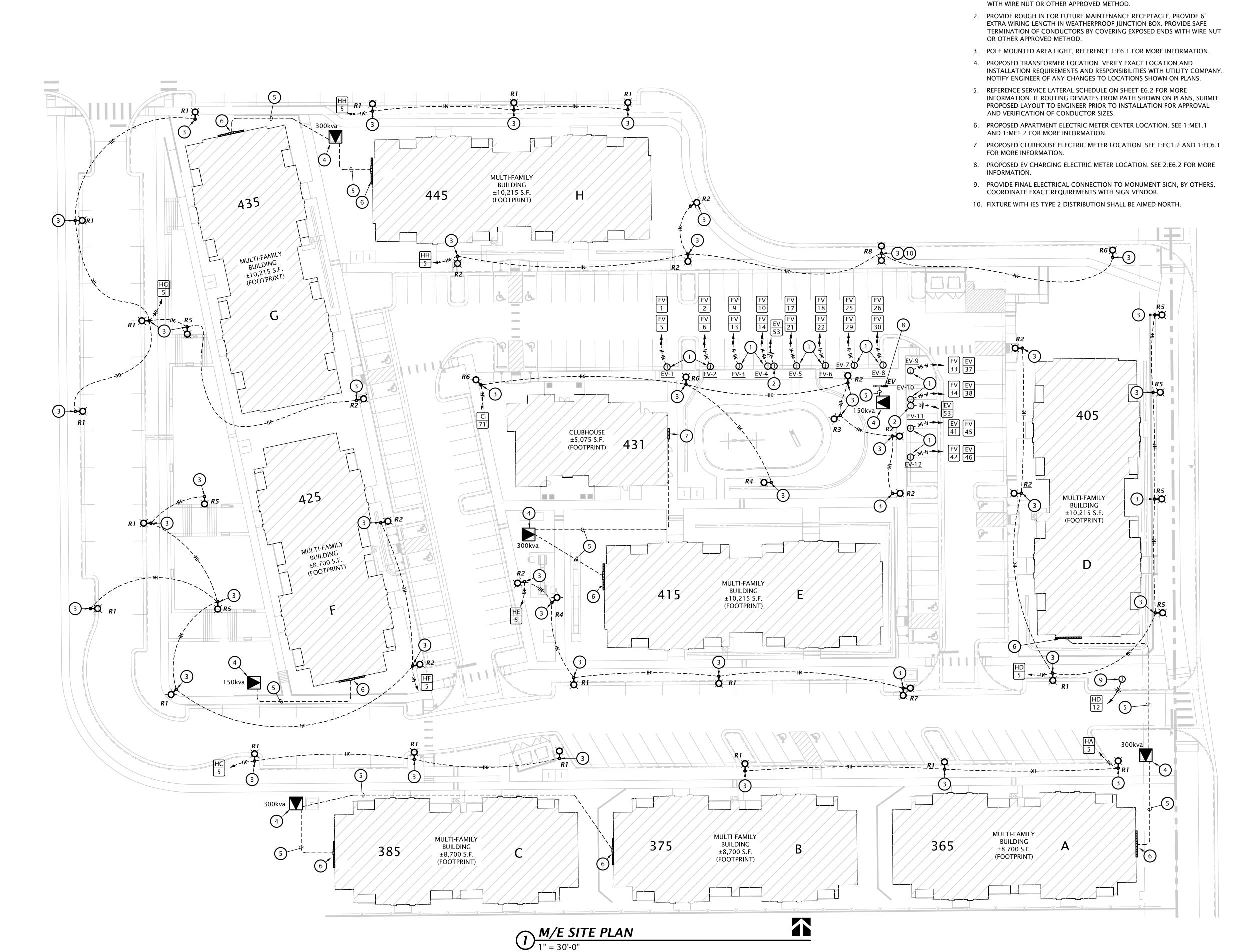
SERVES at 435 NORTH PICA

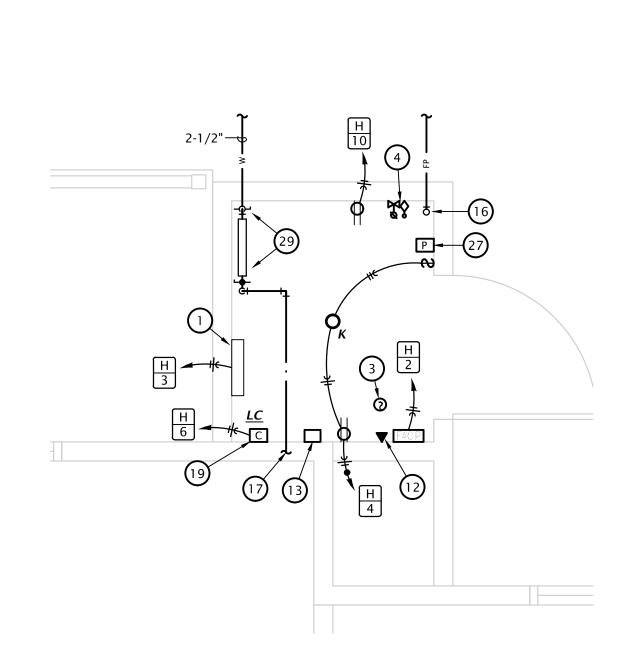
REVISION:

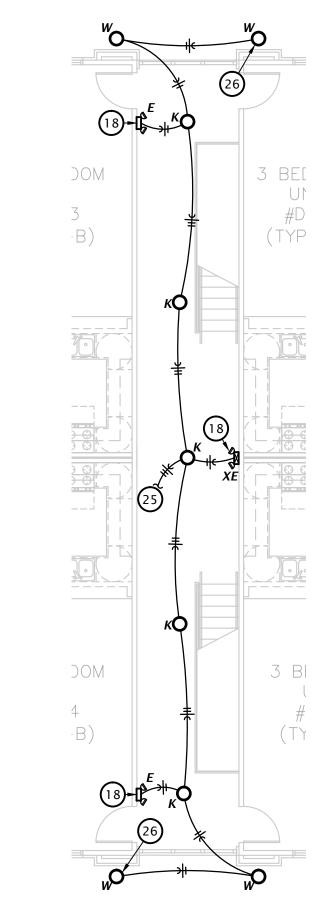
DATE: 10-2-2023

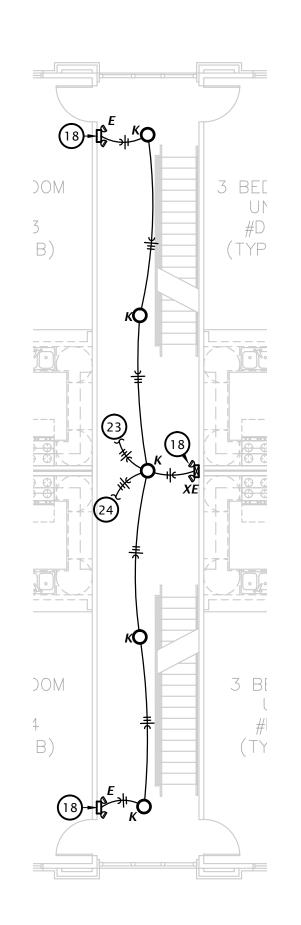
22-3219 SHEET NO.:

ME1.0









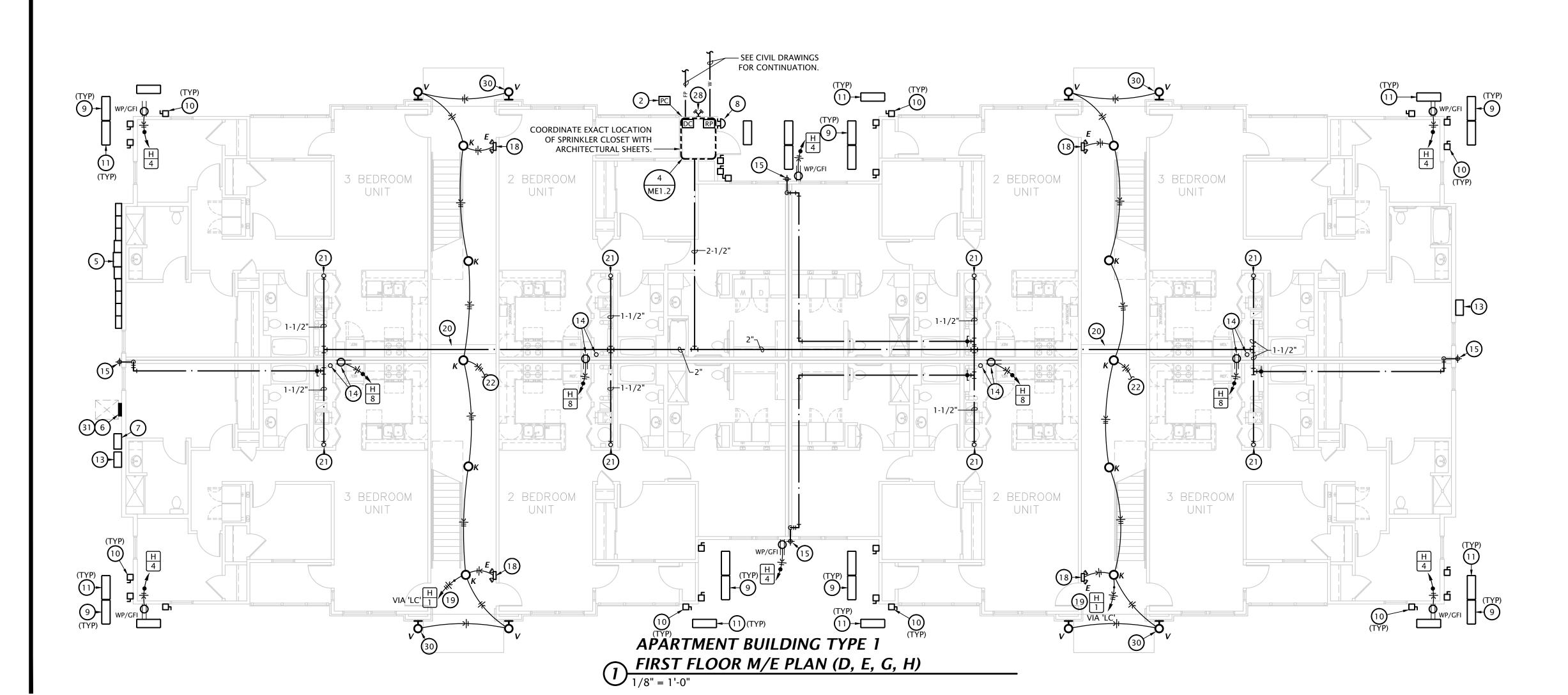
TYPICAL ENLARGED MECHANICAL ROOM PLAN 1/2" = 1'-0"

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.

DATE: 10-2-2023

22-3219 SHEET NO .:

ME1.2

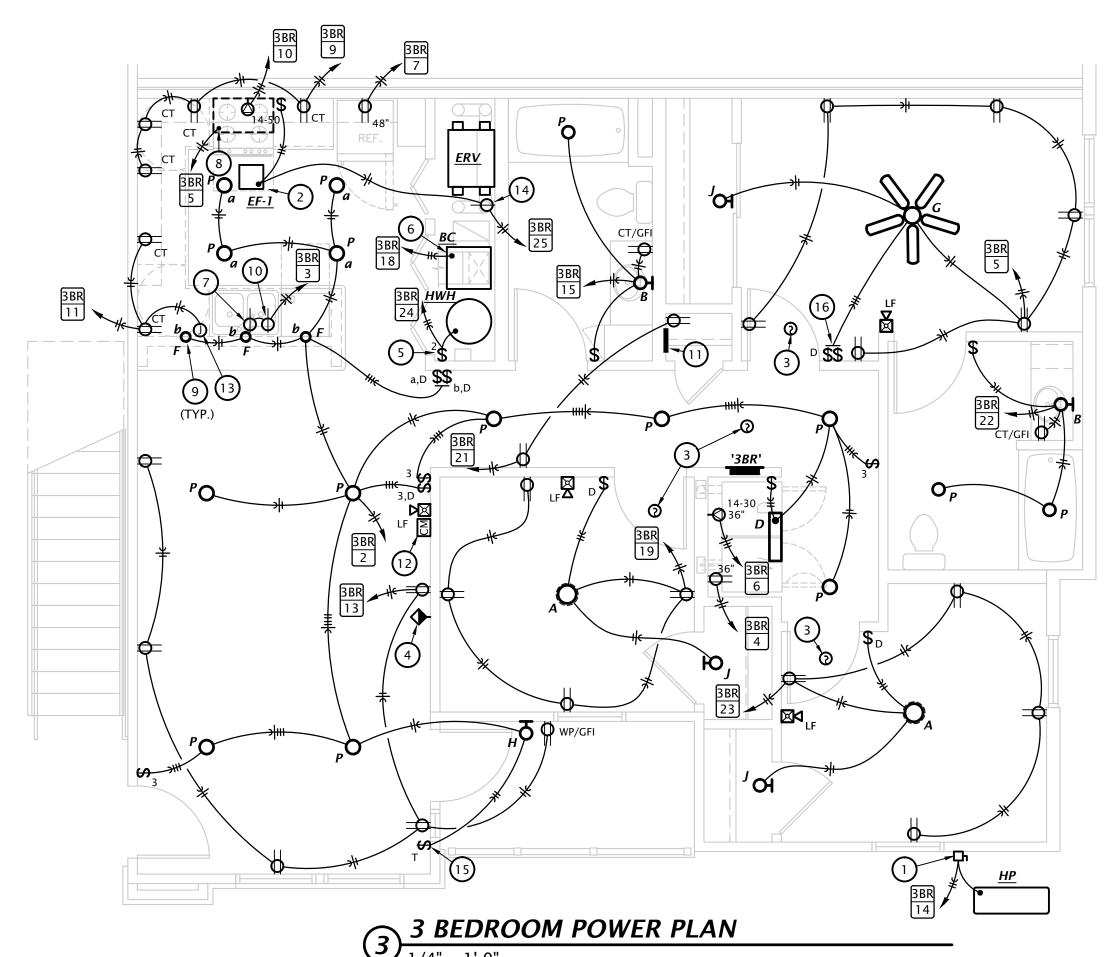
- 1. ARC FAULT CIRCUIT INTERRUPTING (AFCI) TYPE BREAKER.
- 2. CLASS 'A', 5mA RATED GROUND FAULT CIRCUIT INTERRUPTING (GFCI) TYPE
- 3. COMBINATION AFCI/GFCI TYPE BREAKER.

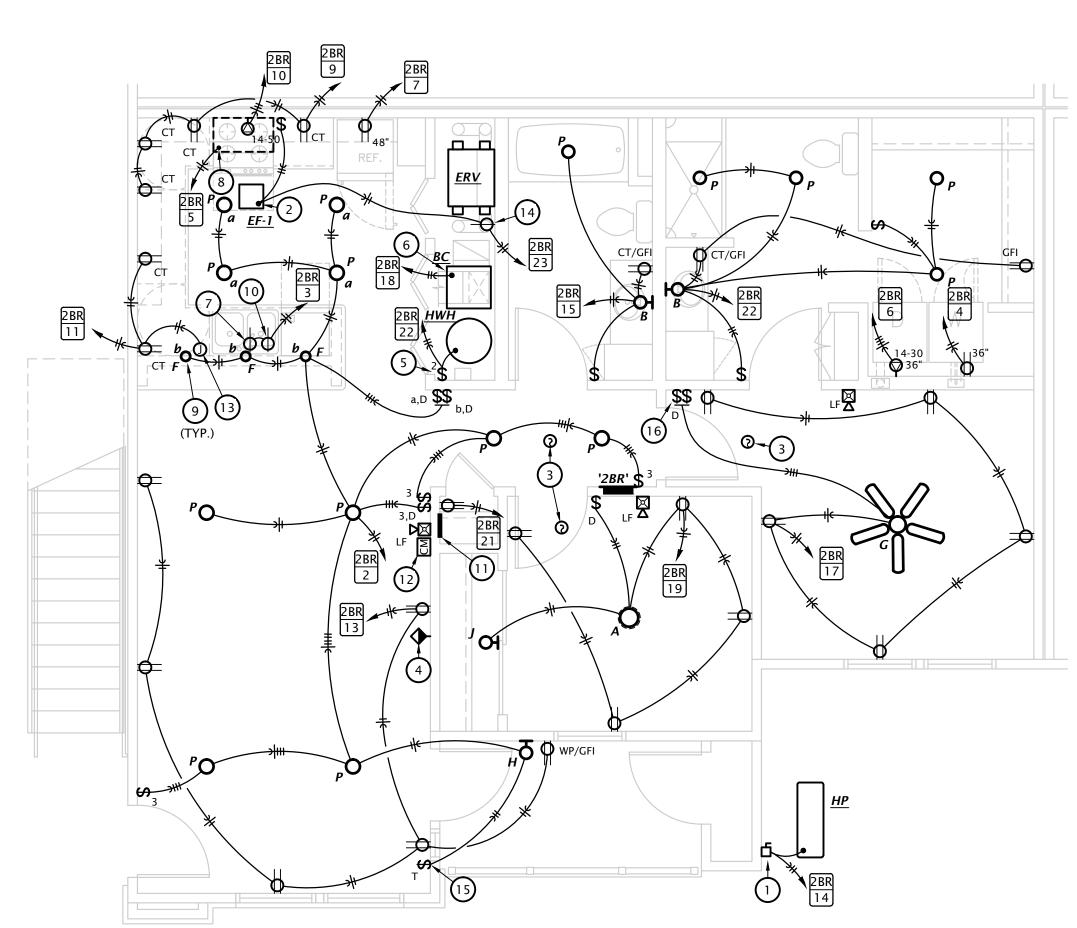
		3 Bedroom Apartn 208/120V-1Ph-3W			Mounting: Bus Amps: MCB Amps: Other:	125	
Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	SPACE ONLY			20 / 1	2#12,#12G,1/2"C	KITCHEN/LIVING/HALL LTS	2
3	DIS HWAS HER/DIS POS AL	2#12,#12G,1/2"C	20 / 1	20 / 1	2#12,#12G,1/2"C	CLOTHES WAS HER 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
111	COUNTER TOP/PEN. RECPTS	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 BEDROOM	2#12,#12G,1/2"C	20 / 1				20
21	HALLWAY RCPTS	2#12,#12G,1/2"C	20 / 1	20 / 1	2#12,#12G,1/2"C	MASTER BATHROOM	22
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	S PACE ONLY	-				S PACE ONLY	30

NOTE: PANELS 'D108', 'D208', 'E102', 'E202', 'E302', 'G108', 'G208', 'H102', 'H202', AND 'H302' SHALL BE 22 KAIC RATED.

	J.	Panel Designation:	2BR APT #			Mounting:			
			2 Bedroom Apartm			Bus Amps:			
		_	208/120V-1Ph-3W			MCB Amps:			
		Enclosure:	NEMA 1			Other:	10 KAIC		
							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	1
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 WAS HER RCPT	4	3
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	2
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	2
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	'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 Apartm	nent		Bus Amps:	125			
		Voltage:	208/120V-1Ph-3W		MCB Amps: MLO					
		Enclosure:	NEMA 1			Other:	10 KAIC			
							Panel is typical for 1BR	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	1	
3	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	3	
3	5	HOOD/MICROWAVE	2#12,#12G,1/2"C	20 / 1	30 / 2	3#10, #10G, 3/4"C	CLOTHES DRYER	6	2	
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	2	
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	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 / 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		





2 BEDROOM POWER PLAN

1/4" = 1'-0"

ELECTRICAL NOTES BY SYMBOL

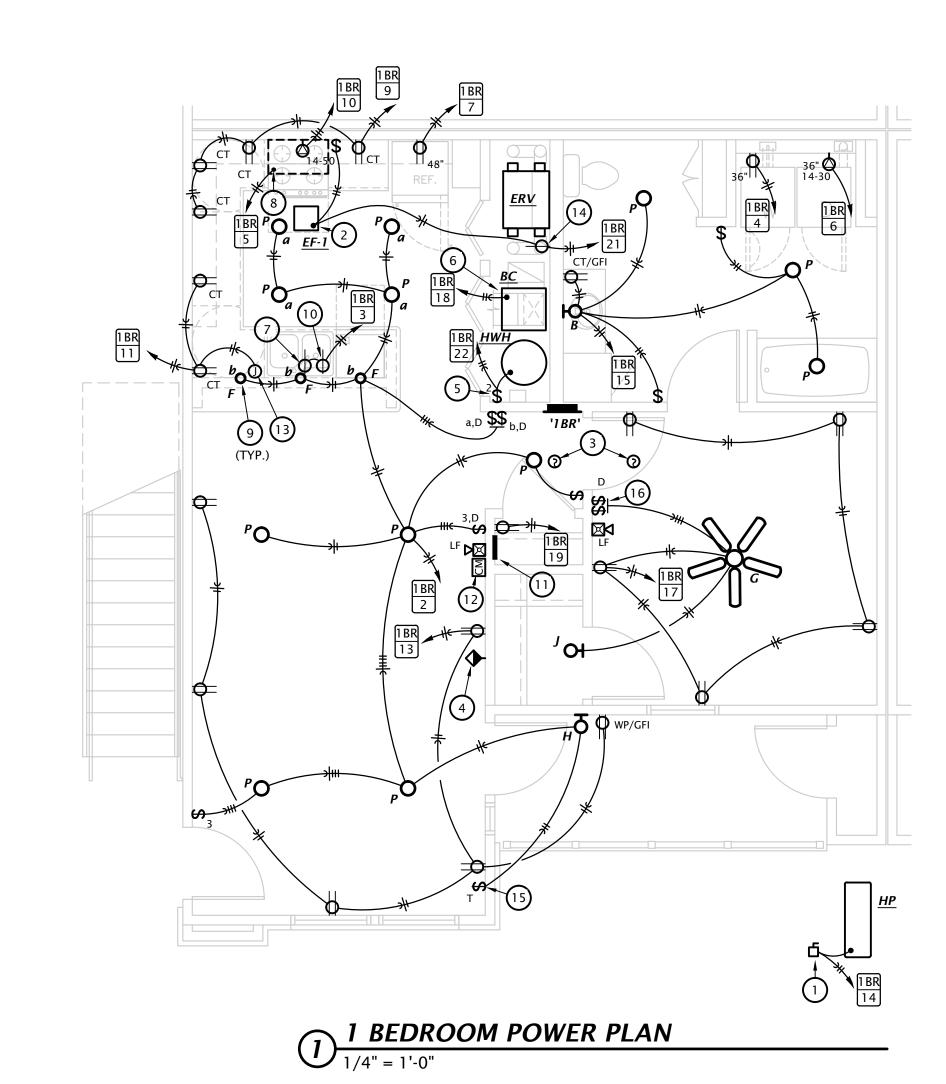
NOTES SHOWN ARE TYPICAL FOR ALL APARTMENTS WHERE APPLICABLE.

 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

- 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.



LST Consulting Engineers, PA MANHATTAN

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Manhattan, KS 66503
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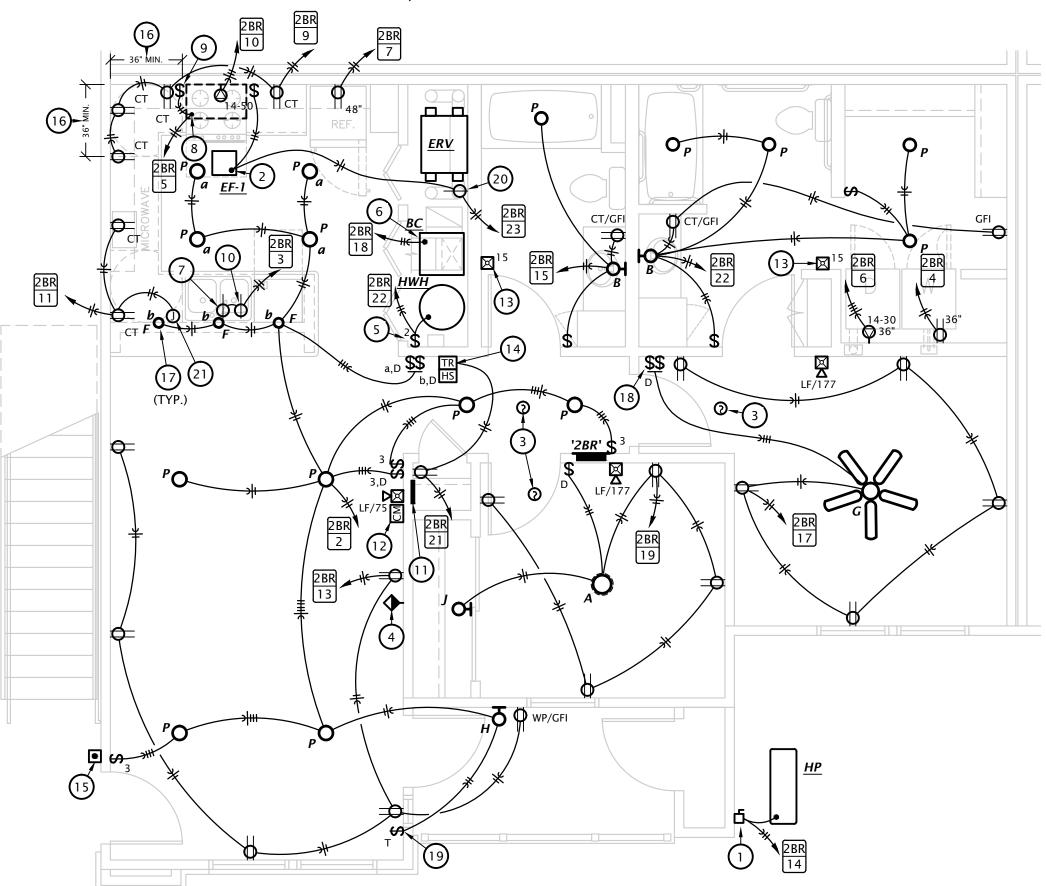
MICHITA

125 S. Washington, Suite 150
Wichita, Kansas 67202
316.285.0696 www.LSTengineers.com mail@LSTengineers.com October 2023

DATE: 10-2-2023 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.

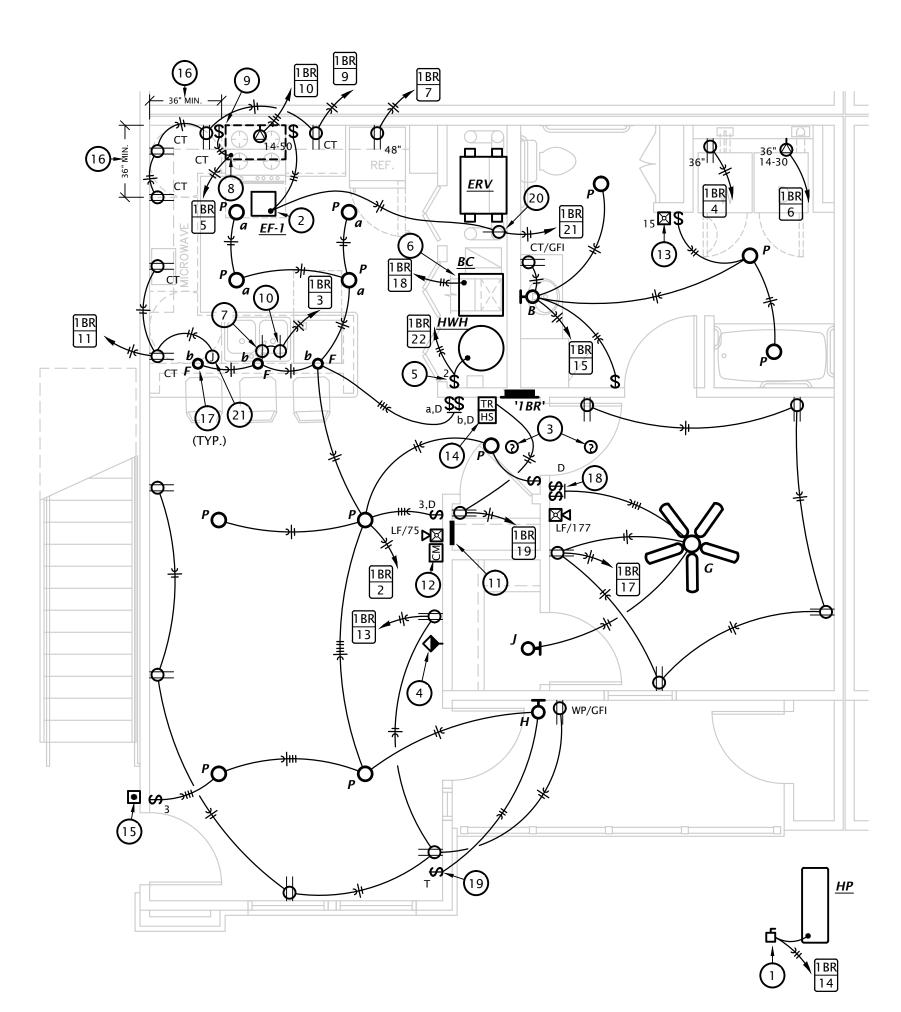
 VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PROVIDED OR SELECTED BY OWNER.

• 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

- 2. CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
- FIRE ALARM SYSTEM SMOKE DETECTOR.

ME1.1 AND ME1.2 FOR LOCATIONS.

- 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).



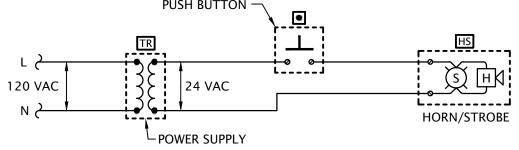


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October 2023

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

E4.2

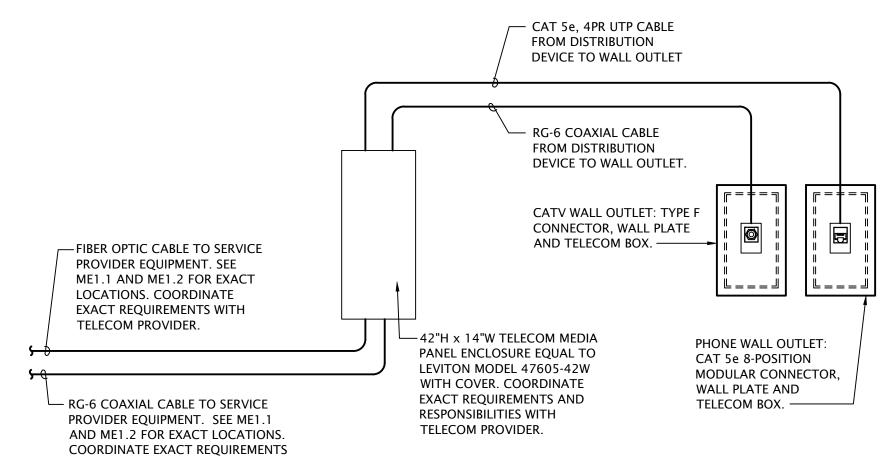


DOOR ALARM BUZZER SYSTEM NOTES

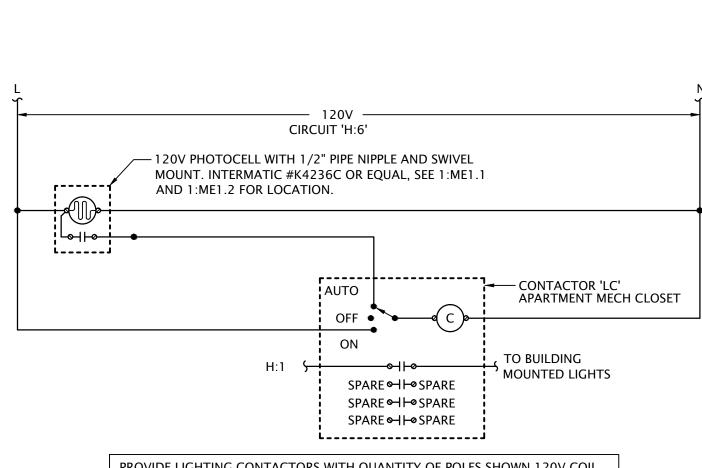
littelfuse.com

- 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.

4 APARTMENT DOOR ANNUNCIATOR DIAGRAM No Scale



WITH TELECOM PROVIDER. 3 APARTMENT TELECOM WIRING SCHEMATIC
No Scale



2 EXTERIOR LIGHTING CONTROL DIAGRAM
No Scale

PROVIDE LIGHTING CONTACTORS WITH QUANTITY OF POLES SHOWN,120V COIL, INTEGRAL 3-POSITION MANUAL SELECTOR SWITCH, AND NEMA 1 ENCLOSURE.



NOTES

4,5

1,4

7,4

7,4

7,4

1,4

1,4

BOND LIGHT POLE TO GROUND WIRE

TO POLE BASE

CONCRETE BASE

BASE COVER ATTACHED

- GROUT BETWEEN POLE

- (8) #6 VERTICAL BARS

— #4 BAR HOOPS AT 16" O.C. LAP ENDS 16" MIN.

EQUALLY SPACED

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——

CONDUIT

CONCRETE POLE BASE DETAIL

- RIGID STEEL OR PVC

— POLE BASE BOLT DIA

PLUS 3", 18" Ø MIN.

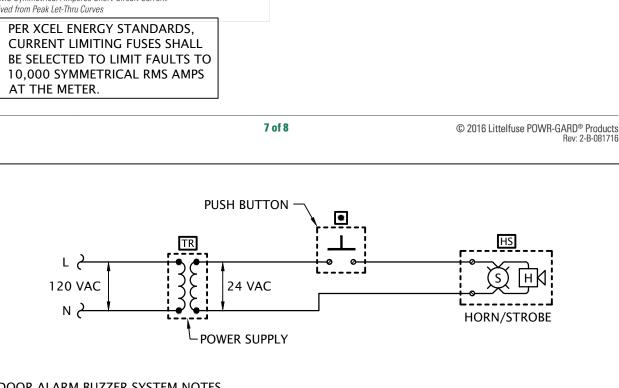
BASE PLATE AND TOP OF

LST Consulting Engineers, PA October 2023

REVISION:

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

E6.



MCGRAW-EDISON STANDARD GLEON-SA2D-740-U-T3-HSS 15879 LUMEN 129W LED BULLARD 600 LUMEN STANDARD SURFACE WALL BOLLARDS 6W LED 1900 LUMEN ICO4-40/20/AR/LSS/20D GOTHAM STANDARD SURFACE 21.5W LED • Fixture/pole assemblies shall be rated for 100mph wind loads. Provide wind dampeners when recommended by the manufacturer. • All fixtures shall be provided with multi-volt driver capable of operating between 120V-277V All exterior fixtures shall be 4000K color temperature • All interior fixtures shall be 3000K color temperature • All apartment light fixtures and ceiling fans shall be Energy Star rated 1. Provide fixture/pole assembly with 22' round straight steel pole, bronze to match fixture. Fixture height shall not exceed 25'-0" AFG. 2. Provide wall or ceiling mounted as required 3. Where installed above showers and tubs fixture shall be wet location listed. 4. Fixture shall be U.L. listed for wet locations 5. Provide fixture dusk to dawn control in accordance with Green Community requirements. See note 16 on sheet E1.1 for more information. 6. Provide with test switch, status indicator and rechargeable nickel-cadmium battery for 90 minutes of emergency power. 7. Provide fixture/pole assembly with 10' round straight steel pole, bronze to match fixture. Fixture height shall not exceed 12'-0" AFG.

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

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

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

LIGHTING POLE-

3/4" CHAMFERED

CORNERS —

ANGLE

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

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

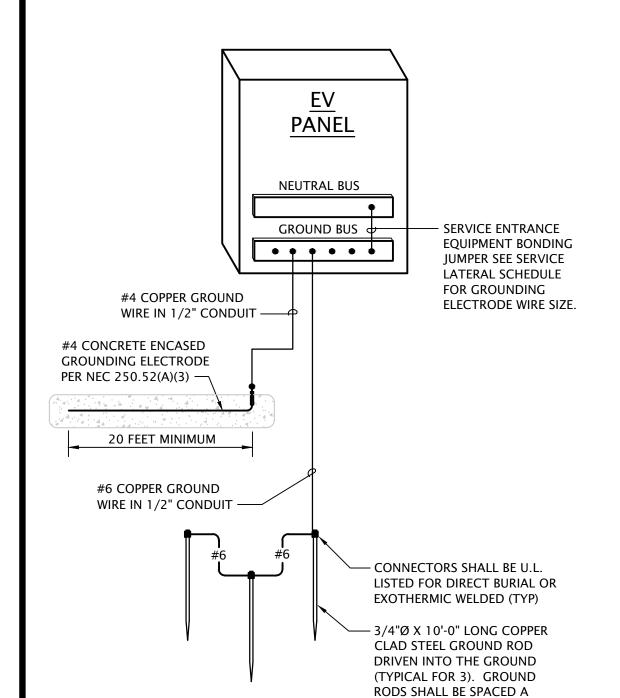
MCGRAW-EDISON

MCGRAW-EDISON

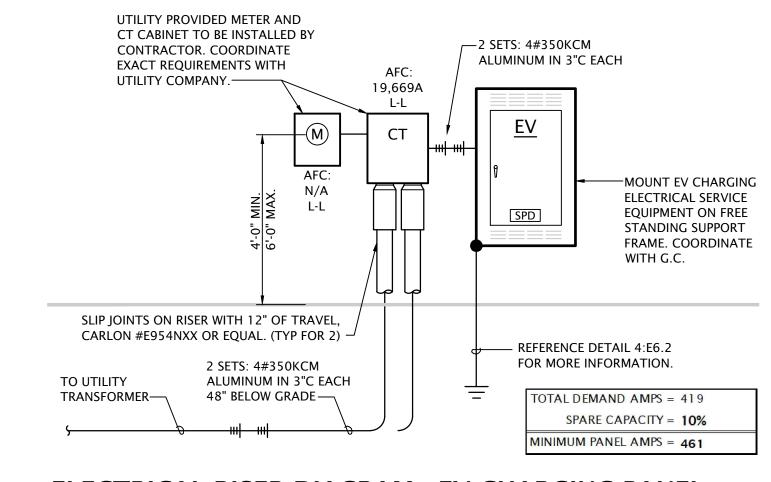
MCGRAW-EDISON

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





SERVICE LOCATION	FEEDER SIZE (ALUMINUM)	SERVICE EQUIPMENT RATING	GROUNDING ELECTROD (ALUM. OR COPPER-CLAI
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



APARTMEN	T FEEDE	R SCHEDUL	Ε												
BUILDING	i A	BUILDING	В	BUILDING	C C	BUILDING	D	BUILDING	G E	BUILDING	G F	BUILDING	G	BUILDING	G H
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

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

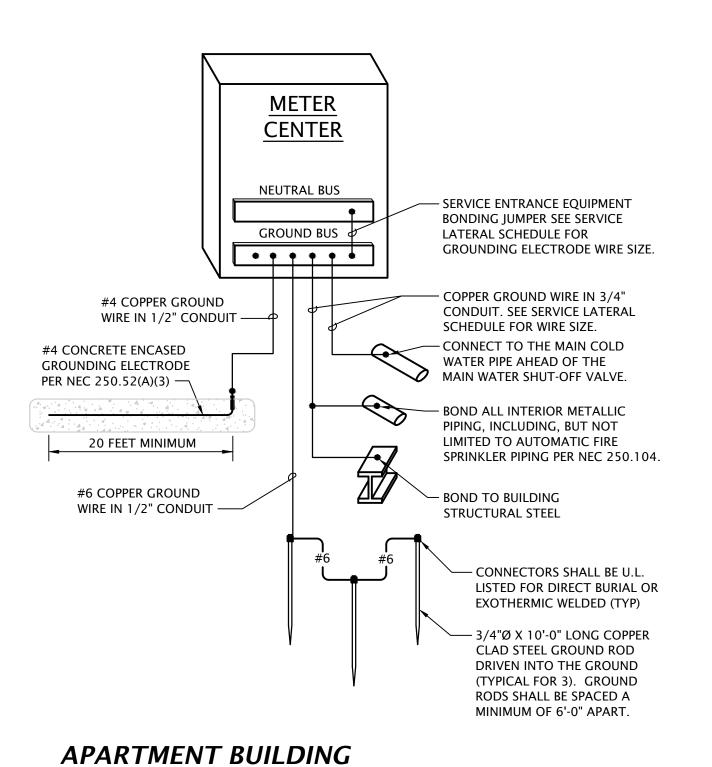
GENERAL NOTES:

SEE 1:ME1.0 FOR CONTINUATION.

- 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.

ELECTRICAL RISER DIAGRAM - EV CHARGING PANEL

No Scale

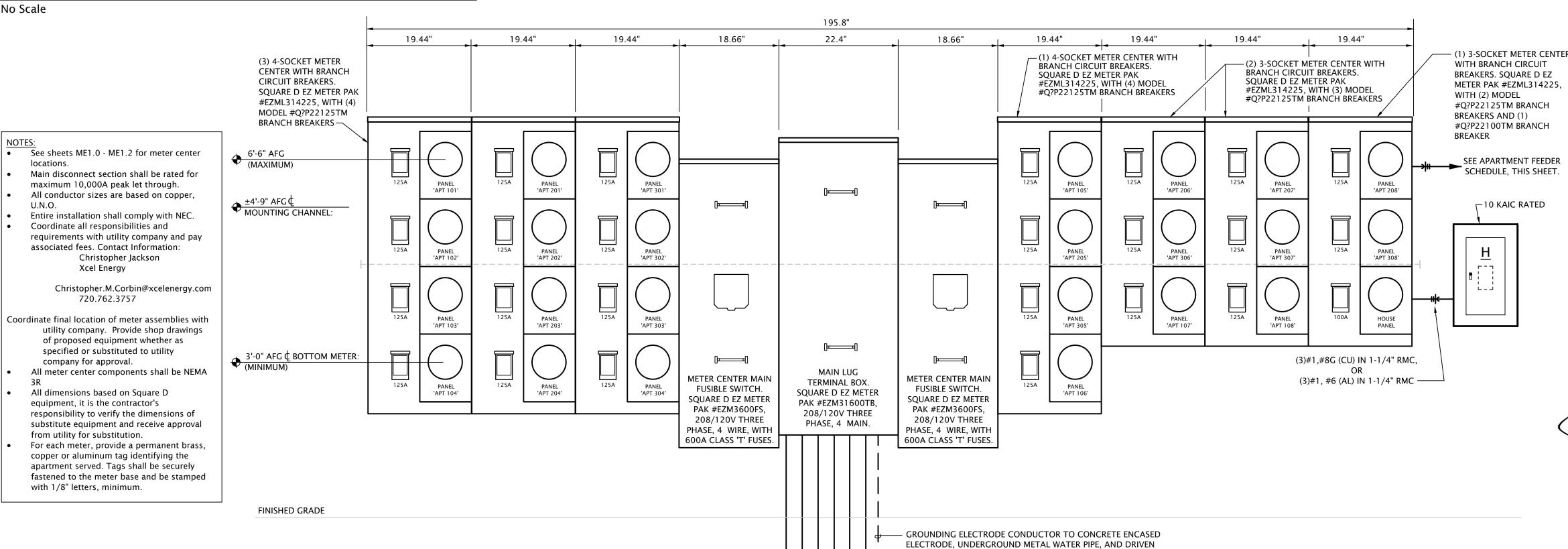


SERVICE GROUNDING ELECTRODE SYSTEM

MINIMUM OF 6'-0" APART.

EV CHARGING PANEL SERVICE GROUNDING ELECTRODE SYSTEM

No Scale



GROUND ROD. BOND ALL ITEMS IN ACCORDANCE WITH NEC ARTICLE 250. SEE SERVICE LATERAL SCHEDULE, THIS SHEET, FOR GEC SIZING.

PROVIDE SERVICE LATERAL FROM METER ASSEMBLY BELOW GRADE TO UTILITY CO. TRANSFORMER. PROVIDE ALL TRENCHING AND BACKFILL. VERIFY EXTENT OF WORK AND RESPONSIBILITIES WITH UTILITY CO. PROVIDE APPROVED SLIP FITTINGS AT SERVICE ENTRANCE CONDUIT CONNECTIONS.

SEE SERVICE LATERAL SCHEDULE, THIS SHEET FOR MORE INFORMATION.

1 ELECTRICAL RISER DIAGRAM - TYPICAL
No Scale

RVES a

35

REVISION:

DATE: 10-2-2023

22-3219 SHEET NO.:

E6.2

PANEL SCHEDULE NOTES BY SYMBOL

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

	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 pa	nel with 'H' followed by	building designation l	letter.			Equipment Ground Ba	r
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		_	-	777	SPACE	20
21	SPACE		_	_		SPACE	22
23	SPACE			-		SPACE	24

ſ	Panel Designation: Location: Voltage: Enclosure:	208Y/120V-3Ph-4W			Mounting: Bus Amps: MCB Amps: Other:	600	ound Bar
Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
3	EV CHARGING STATION EV1 - PORT A	SEE SHEET ME1.0 NOTE # 1	40 / 2	40 / 2	SEE SHEET ME1.0	EV CHARGING STATION EV2 - PORT A	2
5 7	EV CHARGING STATION EV1 - PORT B	SEE SHEET ME1.0 NOTE # 1	40 / 2	40 / 2	SEE SHEET ME1.0	EV CHARGING STATION EV2-PORT B	8
9	EV CHARGING STATION EV3 - PORT A	SEE SHEET ME1.0 NOTE #1	40 / 2	40 / 2	SEE SHEET ME1.0	EV CHARGING STATION EV4 - PORT A	10
13 15	EV CHARGING STATION EV3 - PORT B	SEE SHEET ME1.0 NOTE #1	40 / 2	40 / 2	SEE SHEET ME1.0	EV CHARGING STATION EV4 - PORT B	14
17 19	EV CHARGING STATION EV5 - PORT A	SEE SHEET ME1.0 NOTE #1	40 / 2	40 / 2	NOTE #1 SEE SHEET ME1.0	EV CHARGING STATION EV6 - PORT A	18
21	EV CHARGING STATION EV5 - PORT B	SEE SHEET ME1.0 NOTE # 1	40 / 2	40 / 2	NOTE #1 SEE SHEET ME1.0	EV CHARGING STATION EV6 - PORT B	22
25	EV CHARGING STATION EV7 - PORT A	SEE SHEET ME1.0 NOTE # 1	40 / 2	40 / 2	NOTE #1 SEE SHEET ME1.0	EV CHARGING STATION EV8 - PORT A	26
29	EV CHARGING STATION EV7 - PORT B	SEE SHEET ME1.0 NOTE # 1	40 / 2	40 / 2	NOTE #1 SEE SHEET ME1.0	EV CHARGING STATION EV8 - PORT B	30
31	EV CHARGING STATION EV9 - PORT A	SEE SHEET ME1.0 NOTE # 1	40 / 2	40 / 2	NOTE # 1 SEE SHEET ME1.0	EV CHARGING STATION EV10 - PORT A	32
35 37	EV CHARGING STATION	SEE SHEET ME1.0	40 / 2	40 / 2	NOTE#1 SEE SHEET ME1.0	EV CHARGING STATION	36
39 41	EV9 - PORT B EV CHARGING STATION	NOTE # 1 SEE SHEET ME1.0	40 / 2	40 / 2	NOTE#1 SEE SHEET ME1.0	EV10 - PORT B EV CHARGING STATION	40
43 45	EV11 - PORT A EV CHARGING STATION	NOTE#1	40 / 2	40 / 3	NOTE#1	EV12 - PORT A EV CHARGING STATION	44
47	EVII - PORT B	SEE SHEET ME1.0 NOTE # 1			SEE SHEET ME1.0 NOTE#1	EV12 - PORT B	48
49	SPACE					S PACE S PACE	50
51	MAINTENANCE RECEPTACLE	(2)#10,10G.,3/4"C.	20 / 1			SPACE	52 54

rea	1216 SF			Connected Load (VA)	
	er & Service Loads per NEC 220.82 Part	IV			
	General Loads (220.82 (B)(1))				
а	Lighting & Receptacles	3 VA/SF	1216 SF	3,648	
В2	Required Circuits (220.82 (B)(2))				
	Laundry Circuit	1,500 VA/Circuit	1 Circuit	1,500	
	Kitchen Circuits	1,500 VA/Circuit	2 Circuit	3,000	
В3	Nameplate Ratings of Equipment (220.82 (B)(3))			
	Electric Clothes Dryer	5,000 VA/Circuit	1 ea	5,000	
	Electric Range	8,000 VA/Circuit	1 ea	8,000	
	Dishwasher	840 VA/Circuit	1 ea	840	
d	I Microwave	1000 VA/Circuit	1 ea	1,000	
е	Disposal	1,175 VA/Circuit	1 ea	1,175	
	f Water Heater	5,000 VA/Circuit	1 ea	5,000	
f	f Refrigerator	1,200 VA/Circuit	1 ea	1,200	
В4	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 Tota	31,122	
	Part (B) Demand Load	Total (100% of 1st 10KVA + 40°		-	18,449
СЗ	65% Nameplate Rating of electric space he	eating (220.82 (C)(3))			
	Blower Coil Electric Heat	6,000 VA/Circuit	1 ea	3,900	
		Part (C.) Conne	cted Load Tota	3,900	
		Part (C.) Demand Load	ı	3,900
		Total Dw	elling Unit De	mand Load	22,349
			Total NEC [Demand VA	22,349
		Total A	mps @ 120/20	8V-1Ph-3W	107

			Connected Load (VA)	
eder & Service Loads per NEC 220.82 Part IV				
31 General Loads (220.82 (B)(1))				
a Lighting & Receptacles	3 VA/SF	1037 SF	3,111	
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	
33 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	
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	30,585	
Part (B) Demand Load To	otal (100% 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	cted Load Total	3,900	
	Part (C.	.) Demand Load		3,900
	Total Dw	elling Unit Den	nand Load	22,134
		Total NEC D	emand VA	22,134
	Total A	Amps @ 120/20	8V-1Ph-3W	106

4rea	829 SF				
				Connected Load (VA)	
Feed	er & Service Loads per NEC 220.82 Part I	V			
B1	General Loads (220.82 (B)(1))				
а	Lighting & Receptacles	3 VA/SF	829 SF	2,487	
B2	Required Circuits (220.82 (B)(2))				
а	Laundry Circuit	1,500 VA/Circuit	1 Circuit	1,500	
b	Kitchen Circuits	1,500 VA/Circuit	2 Circuit	3,000	
В3	Nameplate Ratings of Equipment (220.82 (B	3)(3))			
а	Electric Clothes Dryer	5,000 VA/Circuit	1 ea	5,000	
b	Electric Range	8,000 VA/Circuit	1 ea	8,000	
С	Dishwasher	840 VA/Circuit	1 ea	840	
d	Microwave	1000 VA/Circuit	1 ea	1,000	
е	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) Connec	cted Load Total	29,961	
	Part (B) Demand Load	d Total (100% of 1st 10KVA + 40%	% of remainder)		17,984
СЗ	65% Nameplate Rating of electric space he	ating (220.82 (C)(3))			
	Blower Coil Electric Heat	6,000 VA/Circuit	1 ea	3,900	
		Part (C.) Connec	cted Load Total	3,900	ı
		Part (C.)) Demand Load		3,900
		Total Dwe	elling Unit Der	nand Load	21,884
			Total NEC D	emand VA	21,884
		Total A	mps @ 120/20	8V-1Ph-3W	105



The	Reserves at Eagle Po	int		
Area: 11,190 SF (Dwell	ing Units Only)		Connected Load (VA)	
Feeder & Service Loads per NEC 2	220.84 Part IV			
C1 General Loads (220.84 (C)(1))	0.144.05	44400 05	00.570	
a Lighting & Receptacles	3 VA/SF	11190 SF	33,570	
C2 Required Circuits (220.84 (C)(2	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 Equipme	ent (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))			
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 load (220.	84 (C)(5)) (Heat Pump with E	lectric Heat)		
1BR Electric Heat	6,000 VA/Circuit	6 Circuits	36,000	
2BR Electric Heat	6,000 VA/Circuit	6 Circuits	36,000	
	Conr	nected Load Total	435,258	
]	Dwelling Unit Demand Load fr	om Table 220.84:	41%	178,4
	Dwelling Unit NEC	Demand Load (V <i>F</i>	A) Sub-Total	178,4
	House Panel NEC	Demand Load (VA	A) Sub-Total	25,0
	Total Building S	Service Demand	Load (VA)	203,4
Total Buildi	ng Service Demand Load (· · · · · · · · · · · · · · · · · · ·	565

C1	Area: 11,190 SF					
C1		(Dwelling Units Only)			Connected Load (VA)	
	er & Service Loads pe					
	General Loads (220.84	. , . , ,		11100 05	00 570	
а	Lighting & Receptacles	3	VA/SF	11190 SF	33,570	
C2	Required Circuits (220.	84 (C)(2))				
	Laundry Circuits		VA/Circuit	12 Circuits	18,000	
b	Kitchen Circuits	1,500	VA/Circuit	24 Circuits	36,000	
C3	Nameplate Ratings of F	Equipment (220.84 (C)(3))	1			
	Microwave		VA/Circuit	12 Circuits	12,000	
	Dishwasher	•	VA/Circuit	12 Circuits	,	
	Disposal		VA/Circuit	12 Circuits	•	
	Refrigerator		VA/Circuit	12 Circuits		
	Electric Range		VA/Circuit	12 Circuits	•	
	Electric Clothes Dryer	•	VA/Circuit	12 Circuits	,	
	Water Heater	· ·	VA/Circuit	12 ea	60,000	
C4	Nameplate Ratings of N	Motors (220 84 (C)(4))				
0.	1BR Motor	. , , , , , , , , , , , , , , , , , , ,	VA/Circuit	6 Circuits	4,122	
	2BR Motor		VA/Circuit	6 Circuits	,	
	ERV Fan Motor		VA/Circuit	12 Circuits	,	
C5	Electric Space Heat loa	ad (220.84 (C)(5)) (Heat F	Pump with Flo	ectric Heat)		
00	1BR Electric Heat		VA/Circuit	6 Circuits	36,000	
	2BR Electric Heat	·	VA/Circuit	6 Circuits	,	
		3,000		ected Load Total		_
		Dwelling Unit Den	nand Load fro	m Table 220.84:	41%	178,45
		Dwelling	g Unit NEC D	emand Load (VA	A) Sub-Total	178,45
		Tota	l Ruilding S	ervice Demand	l Load (VA)	178,45
	Tatal	Building Service Dem	_		, ,	-

Area: 13,518 SF (Dwelling	units Only)			
eeder & Service Loads per NEC 220	• •		Connected Load (VA)	
).84 Part IV			
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	12,000	
a2 Dishwasher	840 VA/Circuit	12 Circuits	10,080	
a3 Disposal	1175 VA/Circuit	12 Circuits	•	
a4 Refrigerator	1200 VA/Circuit	12 Circuits	•	
b Electric Range	8,000 VA/Circuit	12 Circuits	96,000	
c Electric Clothes Dryer	5,000 VA/Circuit		•	
d Water Heater	5,000 VA/Circuit	12 ea	60,000	
C4 Nameplate Ratings of Motors (22	0.84 (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 Ele	ectric Heat)		
2BR Electric Heat	6,000 VA/Circuit		36,000	
3BR Electric Heat	6,000 VA/Circuit	6 Circuits	36,000	
	Conn	ected Load Total	442,242	:
Dw	relling Unit Demand Load fro	om Table 220.84:	41%	181,319
	Dwelling Unit NEC D	Demand Load (VA	الم	181,319
	House Panel NEC D	,	•	· ·
	Total Building S	•	•	•

		The Reserve	s at Eagle Poi	nt		
	Area: 13,518 SF	(Dwelling Units On	ıly)		Connected Load (VA)	
	er & Service Loads per		IV			
	General Loads (220.84					
а	Lighting & Receptacles		3 VA/SF	13518 SF	40,554	
	Required Circuits (220.8	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)(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	
a4	Refrigerator		1200 VA/Circuit	12 Circuits	14,400	
b	Electric Range	ı	8,000 VA/Circuit	12 Circuits	96,000	
	Electric Clothes Dryer	1	5,000 VA/Circuit	12 Circuits	60,000	
d	Water Heater	!	5,000 VA/Circuit	12 ea	60,000	
C4	Nameplate Ratings of M	/lotors (220.84 (C)(4	ł))			
	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 loa	ad (220.84 (C)(5)) (F	leat Pump with El	ectric Heat)		
	2BR Electric Heat		6,000 VA/Circuit		,	
	3BR Electric Heat	1	6,000 VA/Circuit	6 Circuits	36,000	_
			Conn	nected Load Total	442,242	
		Dwelling Unif	it Demand Load fro	om Table 220.84:	41%	181,319
		Dv	welling Unit NEC D	Demand Load (V/	۹) Sub-Total	181,31
			Total Building S	Service Demand	l Load (VA)	181,31
	Total	Building Service	~		, ,	· ·
		Provide 60	00A Meter Cen	ter		

REVISION:

DATE: 10−2−2023 JOB: 22−3219 □

JOB: 22-SHEET NO.:

E6.3

REVISION:

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

E6.4

150 KVA Transformer Fault Current **BUILDING A Fault Current BUILDING B Fault Current BUILDING C Fault Current** Project Name: Reserves at Eagle Point
Project Number: 23050
Designed By:
Item Name: SCC Building C
Notes: -NONE-Project Name:
Project Number:
Designed By:
Item Name:
Notes:
NONE:
Reserves at Eagle Point
23050
Service Entrance SCC
NONE: Project Name:
Project Number:
Designed By:
Item Name:
Notes:
NONE:
Reserves at Eagle Point
23050
SCC Building A
NONE: Project Name: Reserves at Eagle Point Project Number: 23050 Designed By: Item Name: SCC Building B Notes: -NONE-Calculation of Fault Current
Fault SCA Source = Main Bus
SCA Available = 26000
Length Units = Feet
System Voltage = 208

AVAILABLE FAULT CURRENT FOR 150 KVA
TRANSFORMER PER XCEL ENRECY
STANDARD FOR ELECTRICAL
INSTALLATION AND USE, TABLE II 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 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 AT METER
Motor Load = 63.1 KW
Motor SCA = 2221
Motor SCA Treatment = Motor SCA Added to Main Bus Transformers Name PH Size Pri.V Sec.V %Z SCA,3PH System Voltage = 208 System Phase = 1 Phase System Voltage = 208 System Phase = 1 Phase TA 150 KVA 208 SCA AFTER
Cond Cable Size Qty Feet SCA,3PH FUSE Cond Cable Size Qty Feet SCA,L-L Cond Cable Size Qty Feet SCA,L-L PVC 1/c,AL 500 3 115 18,733 6,500 Cond Cable Size Qty Feet SCA,L-L None 1/c,CU 2 1 50 5,561 PVC 1/c,AL 350 2 50 19,669 (CT METERED) None 1/c.CU 2/0 1 167 4.016 F2 C102 None 1/c,CU 2 1 50 5,561 None 1/c,CU 2/0 1 167 4,152 F3 B103 F2 A102 None 1/c,CU 1 1 118 3,849 F3 C103 None 1/c,CU 2/0 1 167 4,152 F4 B104 None 1/c,CU 2 1 91 4,081 300 KVA Transformer Fault Current F3 A103 None 1/c,CU 1 1 118 3,849 F4 C104 None 1/c.CU 2 1 91 4.081 PVC 1/c,CU 1 1 118 3,973 F5 B105 None 1/c,CU 2 1 91 3,950 F5 C105 None 1/c,CU 1 1 118 3,973 None 1/c,CU 1 1 118 3,973 SCA Available = 52000 TRANSFORMER PER XCEL ENERGY
Length Units = Feet
System Voltage = 208 F7 B107 F6 A106 None 1/c,CU 2 1 50 5,320 F7 C107 None 1/c,CU 2/0 1 167 4,152 Length Units = Feet
System Voltage = 208
System Phase = 3 Phase
Transformers
Name None 1/c,CU 2 1 91 4,081 F8 B108 F8 C108 None 1/c,CU 2 1 50 5,561 F9 B201 None 1/c,CU 2/0 1 167 4,152 F8 A108 None 1/c,CU 2/0 1 167 4,016 F9 C201 None 1/c,CU 2 1 50 5,561 None 1/c,CU 2 1 50 5,561 F10 B202 None 1/c,CU 2/0 1 167 4,016 F9 A201 F10 C202 None 1/c,CU 2 1 50 5,561 None 1/c CU 2/0 1 167 4 152 F12 B204 None 1/c,CU 2 1 91 4,081 F11 A203 None 1/c.CU 1 1 118 3.849 F12 C204 None 1/c,CU 1 1 118 3,973 F13 B205 None 1/c,CU 2 1 91 4,081 F12 A204 F13 C205 None 1/c,CU 1 1 118 3,973 F14 B206 None 1/c,CU 1 1 118 3,973 SCA AFTER
Cond Cable Size Qty Feet SCA,3PH FUSE F13 A205 None 1/c,CU 2 1 91 3,950 F14 C206 None 1/c,CU 2 1 91 4,081 None 1/c,CU 1 1 118 3,973 F15 B207 PVC 1/c,AL 400 4 150 27,698 7,500 F14 A206 None 1/c,CU 2 1 50 5,320 F15 A207 None 1/c,CU 2 1 50 5,320 None 1/c,CU 2 1 50 5,561 None 1/c,CU 2/0 1 167 4,152 F3 BUILDING B F17 B301 PVC 1/c,CU 300 4 250 22,640 7,000 F16 A208 None 1/c.CU 2/0 1 173 3.937 F17 C301 None 1/c,CU 2 1 50 5,561 F18 B302 None 1/c,CU 2 1 56 5,281 F4 BUILDING C F17 A301 F18 C302 F5 BUILDING E None 1/c,CU 2/0 1 173 4,067 F19 B303 None 1/c,CU 2 1 56 5,281 PVC 1/c,AL 500 3 75 34528 7,750 None 1/c,CU 1 1 124 3,738 F18 A302 F19 C303 F6 BUILDING G None 1/c,CU 2/0 1 173 4,067 F20 B304 None 1/c,CU 2 1 97 3,928 PVC 1/c,AL 500 3 100 31,050 7,750 F19 A303 None 1/c,CU 1 1 124 3,855 None 1/c,CU 2 1 97 3,928 PVC 1/c,AL 500 3 75 34,528 7,750 F20 A304 F21 C305 None 1/c,CU 1 1 124 3,855 None 1/c,CU 1 1 124 3,855 F8 CLUB DISC. F22 B306 PVC 1/c,AL 250 2 140 13,767 5,000 F21 A305 None 1/c,CU 2 1 97 3,806 F22 C306 None 1/c,CU 2 1 97 3,928 F23 B307 None 1/c,CU 1 1 124 3,855 F22 A306 None 1/c,CU 2 1 56 5,063 F23 C307 None 1/c,CU 2 1 97 3,928 F24 B308 None 1/c,CU 2/0 1 173 4,067 **CLUBHOUSE Fault Current** None 1/c,CU 2 1 56 5,063 F23 A307 F24 C308 None 1/c,CU 2 1 56 5,281 None 1/c,CU 2/0 1 173 4,067 F25 PANEL HB PVC 1/c,CU 1 1 5 8,706 Project Name:
Project Number:
Designed By:
Item Name:
Notes:
Notes:
Notes:
Reserves at Eagle Point
23050
SCC Clubhouse
NONE-None 1/c,CU 2 1 56 5,281 PVC 1/c,CU 1 1 5 9,372 F25 PANEL HA PVC 1/c,CU 1 1 5 9,372 File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG B.edr 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: 1/26/2024 10:57:00 AM File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG A.edr Date Created: 8/25/2023 2:43:11 PM Date Modified: 1/26/2024 10:56:39 AM Source: EDR, Electrical Designer's Reference
Software Version: 11.1 (Build 17), Based on the 2011 NEC®.
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Software Version: 11.1 (Build 17). Based on the 2011 NEC®.
Copyright © 2000-20013 C+E Electronic Publishing, Inc. All Rights Reserved. Motor SCA Treatment = Motor SCA Added to Main Bus EMT 1/c,CU 500 1 50 3,335 File Name: Z:\23050 Reserves at Eagle Point\Design\Power\Building Service 3-Phase Transformer.edr Source: EDR, Electrical Designer's Reference
Software Version: 11.1 (Build 17). Based on the 2011 NEC®.
Cnovright © 2000-20013 C+E Electronic Publishing, Inc. All Rights Reserved. BUILDING E Fault Current **BUILDING F Fault Current BUILDING G Fault Current BUILDING D Fault Current** BUILDING H Fault Current Project Name: Reserves at Eagle Point
Project Number: 23050
Designed By:
Item Name: SCC Building E
Notes: -NONE-Project Number: 23050
Designed By:
Item Name: SCC Building D
Notes: -NONE-Project Number: 23050
Designed By:
Item Name: SCC Building F
Notes: -NONE-Designed By: Item Name: SCC Building G Notes: -NONE-Calculation of Fault Current
Fault SCA Source = Main Bus
SCA Available = 7750
Length Units = Feet
Motor Load = 63.1 KW Calculation of Fault Current
Fault SCA Source = Main Bus
SCA Available = 7750
Length Units = Feet
Motor Load = 63.1 KW Length Units = Feet Motor Load = 63.1 KW Length Units = Feet Motor Load = 63.1 KW Length Units = Feet Motor Load = 63.1 KW Motor SCA = 2221 Motor SCA = 2221 Motor SCA = 2221 Motor SCA = 2221 Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase Motor SCA Treatment = Motor SCA Added to Main Bus System Voltage = 208 System Phase = 1 Phase Motor SCA Treatment = Motor SCA Added to Main Bus Cond Cable Size Qty Feet SCA,L-L None 1/c,CU 2 1 59 5,151 None 1/c,CU 2/0 1 167 3,919 F2 E102 None 1/c,CU 2 1 59 5,151 None 1/c,CU 2/0 1 180 3,932 F2 F107 None 1/c,CU 2/0 1 180 3,972 F2 D102 None 1/c,CU 2 1 37 6,284 None 1/c,CU 2/0 1 167 3,919 None 1/c,CU 3/0 1 202 4,126 None 1/c,CU 3/0 1 202 4,171 None 1/c,CU 2 1 37 6,284 None 1/c,CU 1 1 113 4,077 None 1/c.CU 1 1 126 3.780 None 1/c,CU 1 1 126 3,818 F4 E104 F4 F105 None 1/c,CU 2 1 91 4,081 None 1/c,CU 1 1 118 3,759 F4 G104 F4 H104 F4 D104 None 1/c,CU 2 1 148 2,979 None 1/c,CU 2 1 91 4,081 F5 F104 None 1/c,CU 2/0 1 148 4,448 F5 G105 None 1/c,CU 2 1 91 4,039 None 1/c,CU 2 1 91 4,081 None 1/c,CU 2/0 1 148 4,448 F6 E106 F6 F103 F6 D106 None 1/c,CU 1 1 126 3,818 None 1/c,CU 2 1 91 3,855 F6 G106 F6 H106 None 1/c,CU 1 1 113 4,035 F7 F102 None 1/c,CU 1 1 113 4,077 None 1/c,CU 1 1 126 3,818 None 1/c,CU 2 1 37 6,184 F8 F101 None 1/c,CU 2 1 37 6,284 None 1/c,CU 3/0 1 202 4,171 F8 D108 None 1/c,CU 2/0 1 180 3,972 None 1/c,CU 2 1 50 5,150 F8 H108 None 1/c.CU 2 1 59 5.084 F9 E201 F9 F208 None 1/c,CU 2 1 59 5,151 None 1/c,CU 2/0 1 180 3.972 None 1/c,CU 2 1 59 5,151 None 1/c,CU 2/0 1 167 3,919 F9 G201 F9 H201 F9 D201 None 1/c,CU 2/0 1 180 3,932 F10 E202 F10 F207 None 1/c,CU 2/0 1 180 3,972 F10 D202 None 1/c,CU 2 1 37 6,284 F10 G202 F10 H202 None 1/c,CU 3/0 1 202 4,126 F11 E203 F11 F206 None 1/c,CU 3/0 1 202 4,171 None 1/c,CU 2 1 37 6,284 None 1/c,CU 1 1 113 4.077 None 1/c,CU 1 1 118 3,759 F11 G203 F11 H203 F11 D203 None 1/c,CU 1 1 126 3,780 F12 E204 None 1/c,CU 1 1 126 3,818 None 1/c,CU 1 1 113 4,077 F12 D204 None 1/c,CU 2/0 1 148 4,397 F13 E205 F13 F204 None 1/c,CU 2/0 1 148 4,448 None 1/c,CU 2 1 91 4,081 F13 D205 None 1/c,CU 2/0 1 148 4,448 None 1/c,CU 2 1 91 3,855 F13 G205 F13 H205 None 1/c,CU 2 1 91 4,039 None 1/c,CU 2 1 91 4,081 None 1/c,CU 2/0 1 148 4,448 F14 E206 F14 F203 None 1/c,CU 1 1 126 3,818 None 1/c,CU 2 1 91 3,855 F14 G206 F14 H206 F14 D206 None 1/c,CU 1 1 113 4,035 F15 E207 F15 F202 None 1/c,CU 1 1 113 4,077 None 1/c,CU 1 1 126 3,818 F15 D207 None 1/c,CU 3/0 1 202 4,171 None 1/c,CU 2 1 50 5,150 F15 G207 F15 H207 None 1/c,CU 2 1 37 6,184 None 1/c,CU 2 1 37 6,284 None 1/c,CU 3/0 1 202 4,171 F16 E208 F16 F201 None 1/c,CU 2/0 1 180 3,972 None 1/c,CU 2 1 50 5,150 F16 G208 F16 H208 F16 D208 None 1/c,CU 2 1 59 5,151 None 1/c,CU 2 1 59 5,084 None 1/c,CU 2 1 65 4,910 None 1/c,CU 2/0 1 186 3,855 F18 E302 F18 F307 None 1/c,CU 2/0 1 186 3,894 None 1/c,CU 2 1 65 4,910 None 1/c,CU 2 1 43 5,928 None 1/c,CU 2/0 1 173 3,843 F18 G302 F18 H302 F18 D302 None 1/c,CU 3/0 1 208 4,057 F19 E303 None 1/c,CU 3/0 1 208 4,100 None 1/c,CU 2 1 43 5,928 F19 F306 F19 D303 None 1/c,CU 1 1 119 3,953 None 1/c,CU 1 1 124 3,653 F19 H303 None 1/c,CU 2/0 1 132 4,674 F20 E304 F20 F305 None 1/c,CU 2/0 1 132 4,731 None 1/c,CU 1 1 119 3,953 F20 D304 None 1/c,CU 2 1 97 3,928 None 1/c,CU 1 1 124 3,653 F20 G304 F20 H304 None 1/c,CU 2/0 1 154 4,302 None 1/c,CU 2/0 1 154 4,350 None 1/c,CU 2 1 97 3,928 F21 E305 F21 F304 None 1/c,CU 2/0 1 154 4,350 None 1/c,CU 2 1 97 3,718 F21 H305 F21 D305 None 1/c,CU 2 1 97 3,928 None 1/c,CU 2/0 1 154 4,350 F22 H306 None 1/c,CU 1 1 119 3,913 F23 E307 F23 F302 None 1/c,CU 1 1 119 3,953 None 1/c,CU 2/0 1 132 4,731 F23 H307 None 1/c,CU 3/0 1 208 4,100 None 1/c,CU 2 1 56 4,908 F23 G307 F23 D307 None 1/c,CU 2 1 43 5,839 F24 E308 F24 F301 None 1/c,CU 2 1 43 5,928 None 1/c,CU 3/0 1 208 4,100 None 1/c,CU 2/0 1 186 3,894 None 1/c,CU 2 1 56 4,908 F24 D308 None 1/c,CU 2 1 65 4,848 F25 PANEL HE F25 PANEL HF None 1/c,CU 2 1 65 4,910 None 1/c,CU 2/0 1 186 3,894 PVC 1/c,CU 1 1 5 8,259 PVC 1/c,CU 1 1 25 7,555 F25 PANEL HD F25 PANEL HG F25 PANEL HH PVC 1/c,CU 1 1 25 7,555 PVC 1/c.CU 1 1 25 7.411 PVC 1/c,CU 1 1 25 7.555 File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG E.edr File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG F.edr File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG D.edr File Name: Z:\23050 Reserves at Eagle Point\Design\Power\SCC BLDG G.edr 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 10:56:42 AM Source: EDR, Electrical Designer's Reference
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BUILDING G ROOF AFC: AFC: AFC: 4,731A 4,100A 3,894A L-L L-L AFC: AFC: AFC: AFC: 3,928A 3,953A 5,928A 4,910A L-L L-L L-L 3RD FLOOR AFC: AFC: AFC: 4,077A 6,284A 5,151A L-L L-L L-L AFC: AFC: AFC: 3,818A 4,171A 3,972A AFC: AFC: 4,448A L-L L-L 2ND FLOOR REFERENCE APARTMENT FEEDER SCHEDULE, SHEET E6.2 (TYPICAL). — REFERENCE 1:E6.2 METER SOCKET AFC: 7,750A L-L SEE SHEET E6.2 FOR FEEDER SIZES AFC: AFC: AFC: /
2,979A 3,818A 4,171A
L-L L-L AFC: 3,972A AFC: AFC: AFC: 4,081A 4,077A 6,284A 5,151A AFC: 7,555 L-L L-L L-L L-L L-L

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

SERVICE GROUNDING ELECTRODE: SEE

DETAIL 3:E6.2, AND SERVICE LATERAL SCHEDULE E6.2 FOR MORE INFORMATION.

1 BUILDING G ELECTRICAL RISER DIAGRAM
No Scale

1ST FLOOR

REFERENCE SERVICE

LATERAL SCHEDULE, SHEET E6.2.

1ST FLOOR

ROOF

AFC: 3,928A L-L AFC: AFC: AFC: 4,731A 4,100A 3,894A L-L L-L AFC: AFC: AFC: 3,953A 5,928A 4,910A L-L L-L AFC: 4,350A L-L 3RD FLOOR AFC: AFC: AFC: 3,818A 4,171A L-L L-L AFC: AFC: 4,171A 3,972A AFC: AFC: AFC: 4,077A 6,284A 5,151A 4,081A 4,448A L-L L-L L-L L-L 2ND FLOOR REFERENCE APARTMENT FEEDER SCHEDULE, SHEET E6.2 (TYPICAL). — REFERENCE 1:E6.2 METER SOCKET AFC: 7,750A L-L SEE SHEET E6.2 FOR FEEDER SIZES AFC: 4,081A AFC: AFC: 4,077A 6,284A AFC: AFC: 4,171A 3,972A AFC: 5,151A AFC: 7,555 AFC: 3,818A L-L L-L L-L L-L L-L L-L REFERENCE SERVICE
LATERAL SCHEDULE, SHEET E6.2.— — SERVICE GROUNDING ELECTRODE: SEE DETAIL 3:E6.2, AND SERVICE LATERAL SCHEDULE E6.2 FOR MORE INFORMATION.

BUILDING H

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

BUILDING H ELECTRICAL RISER DIAGRAM

No Scale

SERVES at 435 NORTH PICA

REVISION:

10-2-2023 DATE: 22-3219 © SHEET NO.:

E6.8