

PLEASE NOTE:

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1. BUILDER OR CONTRACTOR MUST VERIFY ALL DIMENSIONS & ALL SQUARE FOOTAGE PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. BUILDER OR CONTRACTOR MUST VERIFY COMPLIANCE WITH ALL LOCAL BUILDING CODES IN THE AREA WHERE THE HOME IS TO BE CONSTRUCTED.
3. DESIGNER ASSUMES NO RESPONSIBILITY FOR STRUCTURAL ENGINEERING ASPECTS.

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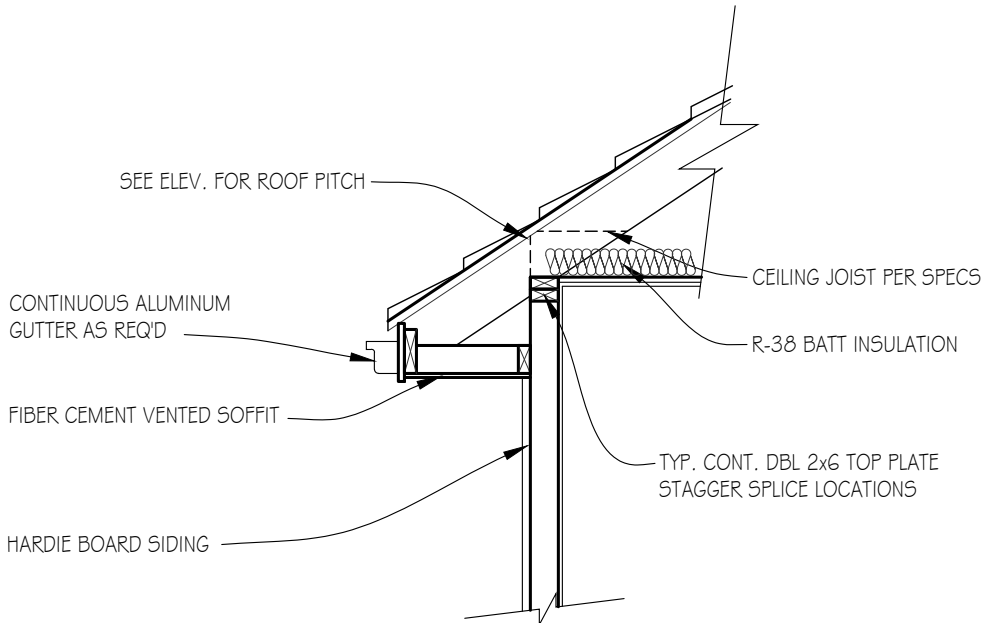
LYNN & ASSOCIATES IS NOT A LICENSED ARCHITECT.

A.1

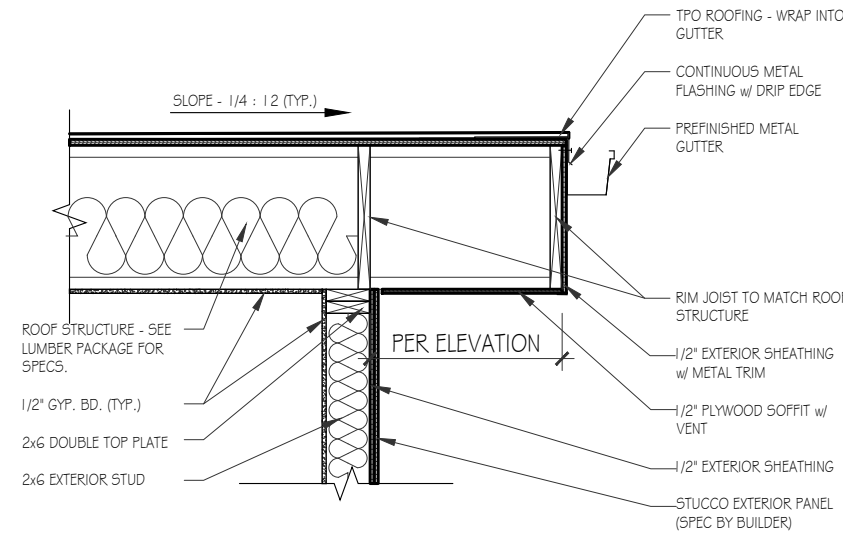
FRONT ELEVATION

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

PAPER: ARCH D 36x24
DATE ISSUED: 1.2.14.22
REVISIONS: 1. 06.27.23



DETAIL: FRAME ROOF ON TOP OF PLATE
NOT TO SCALE, TYPICAL



DETAIL: FLAT T.P.O. RUBBER MEMBRANE ROOF
NOT TO SCALE, TYPICAL



FRONT ELEVATION
(FACING MOTOR COURT)

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

550 ROSEDALE AVE
NASHVILLE, TN

Lynn
& associates

6965 Sunnywood Dr.
Nashville, TN 37211
p 615.308.5330
marklynn1@hotmail.com
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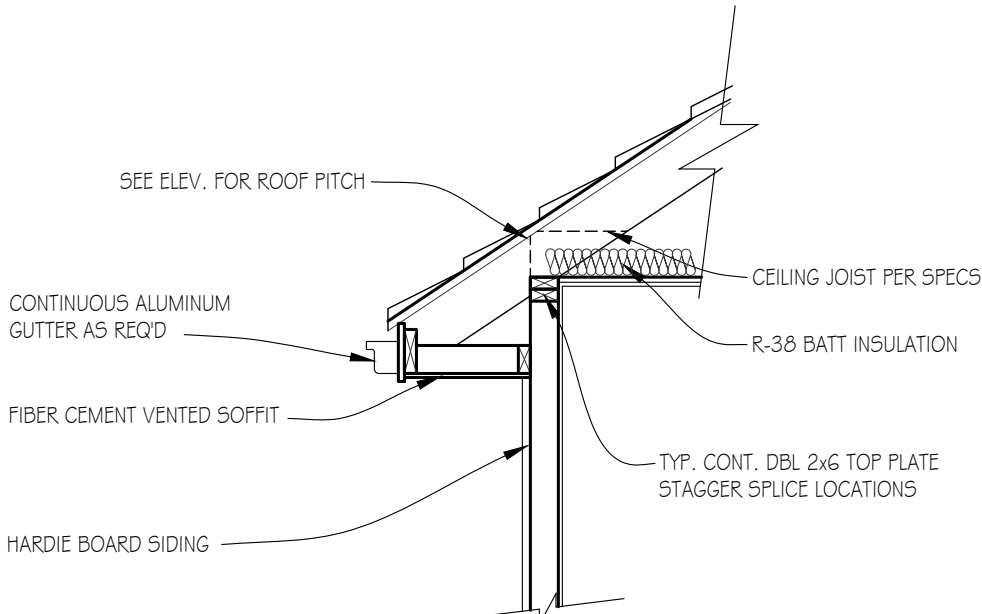
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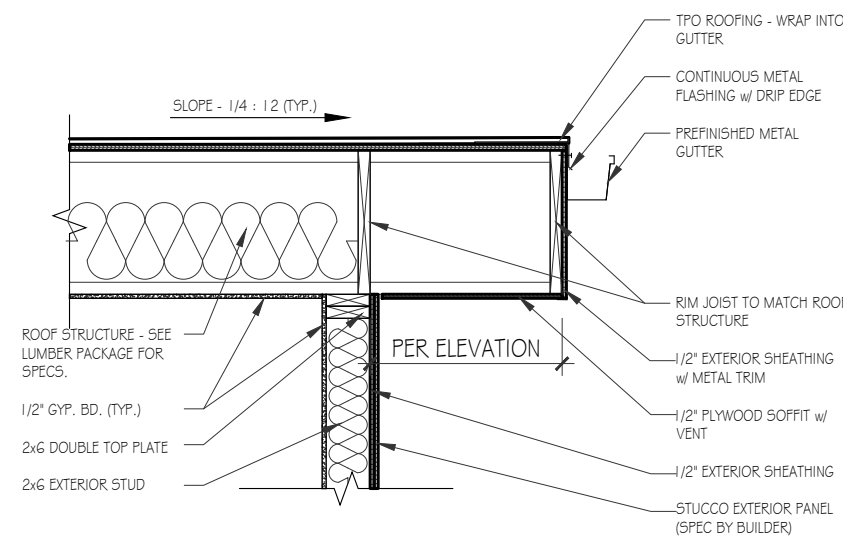
SIDE ELEVATIONS

SCALE: 3/4"=1'-0"

PAPER: ARCH D 36x24
DATE ISSUED: 1.2.14.22
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DETAIL: FRAME ROOF ON TOP OF PLATE
NOT TO SCALE, TYPICAL



DETAIL: FLAT T.P.O. RUBBER MEMBRANE ROOF
NOT TO SCALE, TYPICAL



LEFT ELEVATION
SCALE: 3/4"=1'-0"



RIGHT ELEVATION
(FACING ROSEDALE AVE)
SCALE: 3/4"=1'-0"

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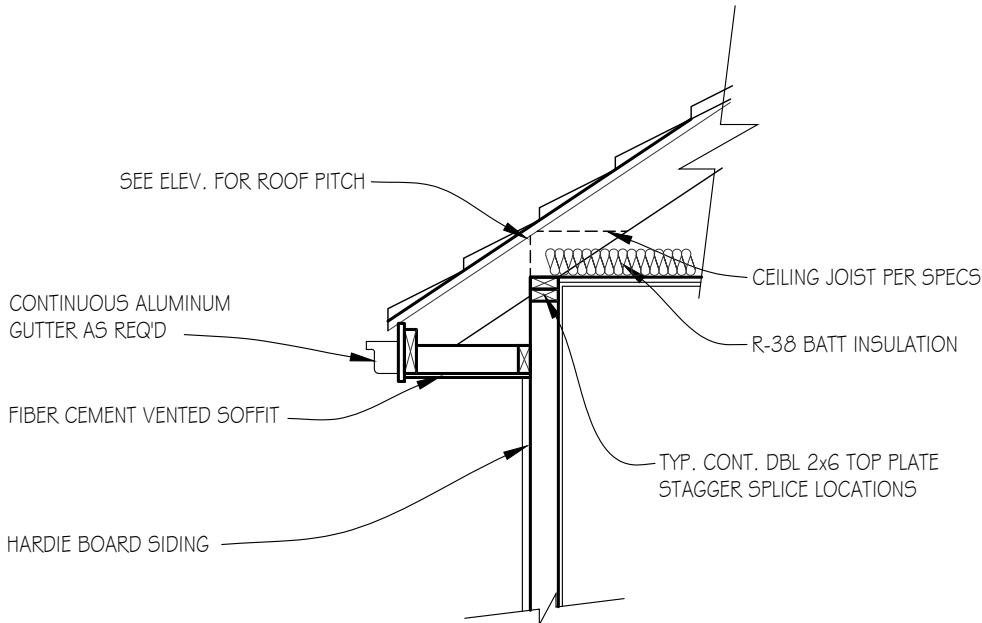
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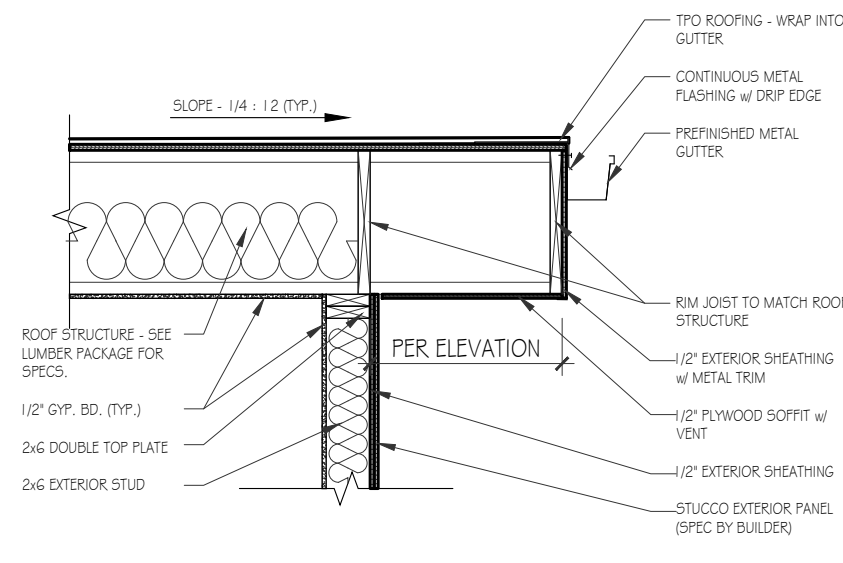
REAR ELEVATION

SCALE: 3/4"=1'-0"

PAPER: ARCH D 36x24
DATE ISSUED: 1.2.14.22
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NOT TO SCALE, TYPICAL



DETAIL: FLAT T.P.O. RUBBER MEMBRANE ROOF
NOT TO SCALE, TYPICAL



REAR ELEVATION

SCALE: 3/4"=1'-0"

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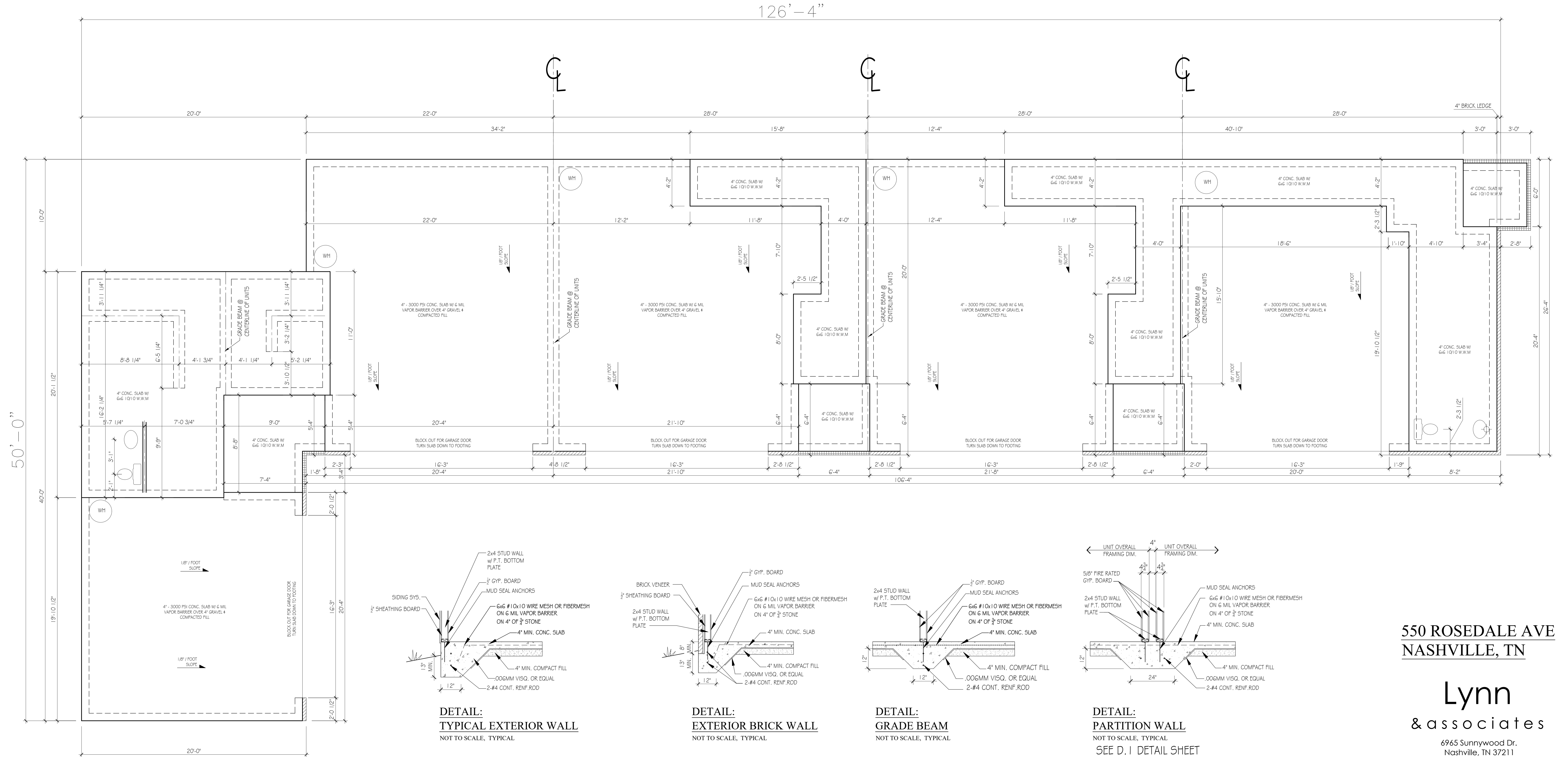
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A.4

FOUNDATION PLAN

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

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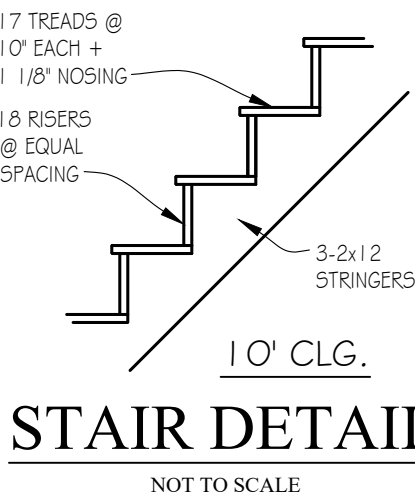
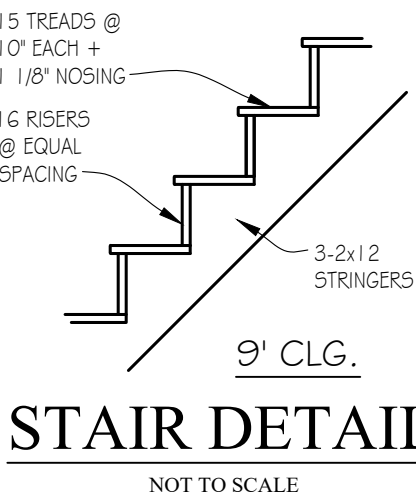
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FRAMING NOTES

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4. ALLOW 4" BRICK POCKET IF APPLICABLE
5. CEILINGS: 1ST FLR: 9'-0"
2ND FLR: 10'-0"
3RD FLR: 9'-0"
6. ALL WINDOWS ARE FRAMED @ 8'-0" O/C UNLESS OTHERWISE NOTED



ELECTRICAL KEY

	CEILING FAN W / LIGHT
	LIGHT- CEILING MTD
	LIGHT- PENDANT / CHAND.
	LIGHT- MINI-PENDANT
	LIGHT- SCONCE- WALL MTD
	LIGHT- RECESSED CAN
	LIGHT- RECESSED ACCENT
	LIGHT- FLUO. STRIP
	LIGHT- UNDERCTR / COVE
	LIGHT- EXT. FLOOD
	EXHAUST FAN
	EXHAUST FAN / LIGHT
	SWITCH- SINGLE
	SWITCH- 3 OR 4-WAY
	SWITCH- DIMMER
	SMK. CARB. MON. DETECTOR

ALL ELECTRICAL OUTLETS
WILL BE PER THE NEC CODE

A.5

FIRST FLOOR PLAN

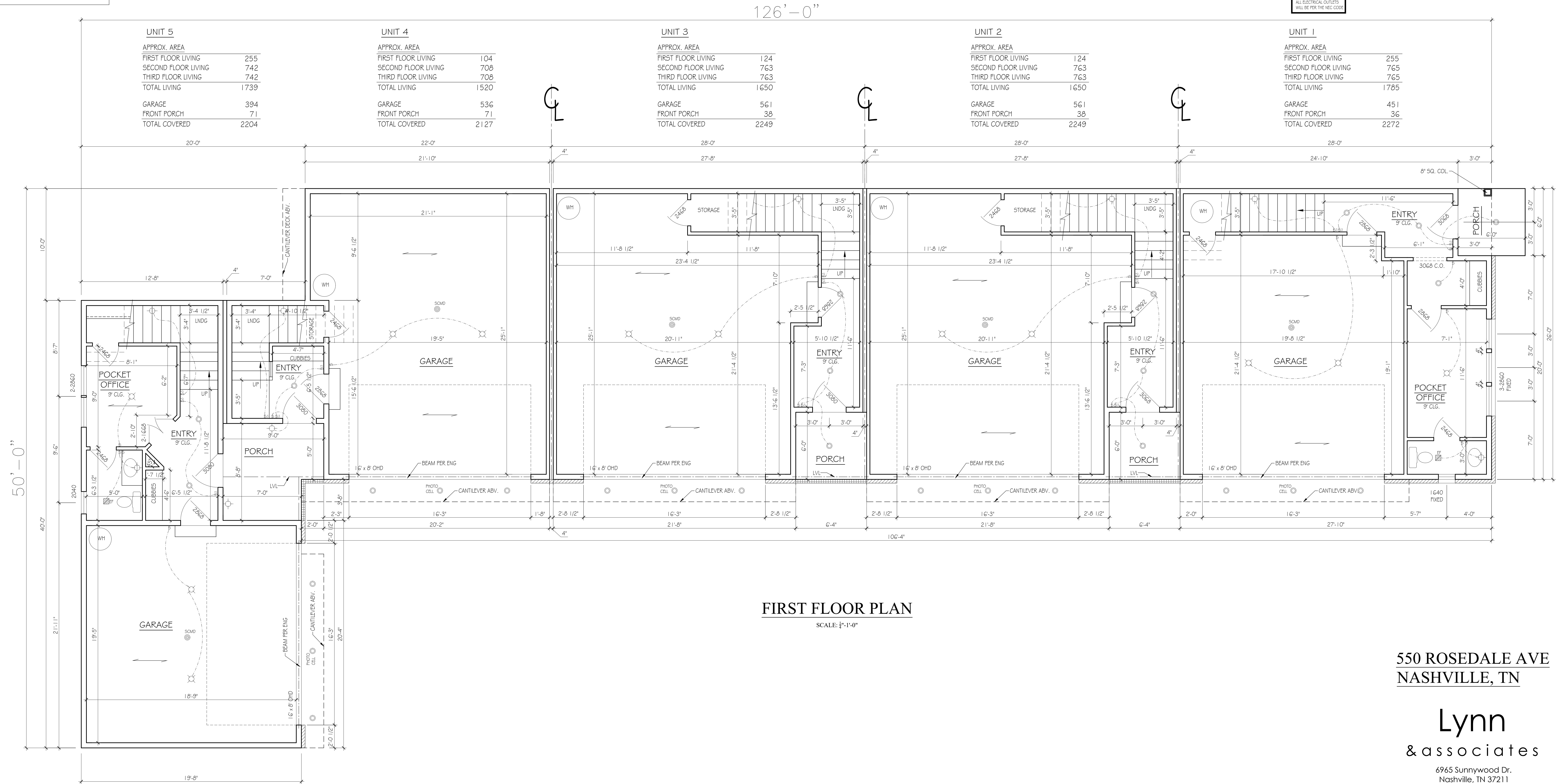
SCALE: 1/4"=1'-0"

PAPER: ARCH D 36x24

DATE ISSUED: 12.14.22

REVISIONS:

1.



FIRST FLOOR PLAN

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

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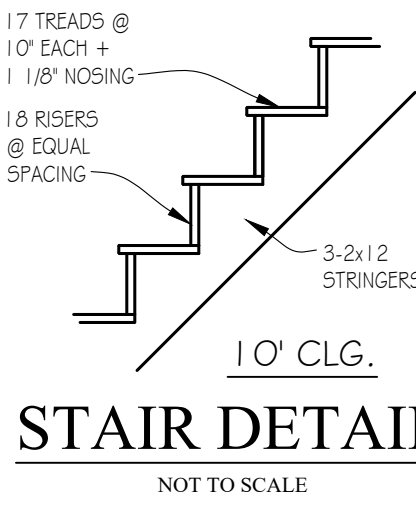
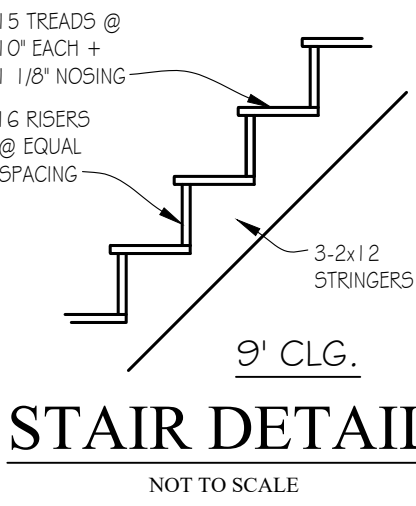
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- 5. CEILINGS: 1ST FLR: 9'-0" 2ND FLR: 10'-0" 3RD FLR: 9'-0"
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ELECTRICAL KEY

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	LIGHT- SCENCE- WALL MTD
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	SMK. CARB. MON. DETECTOR

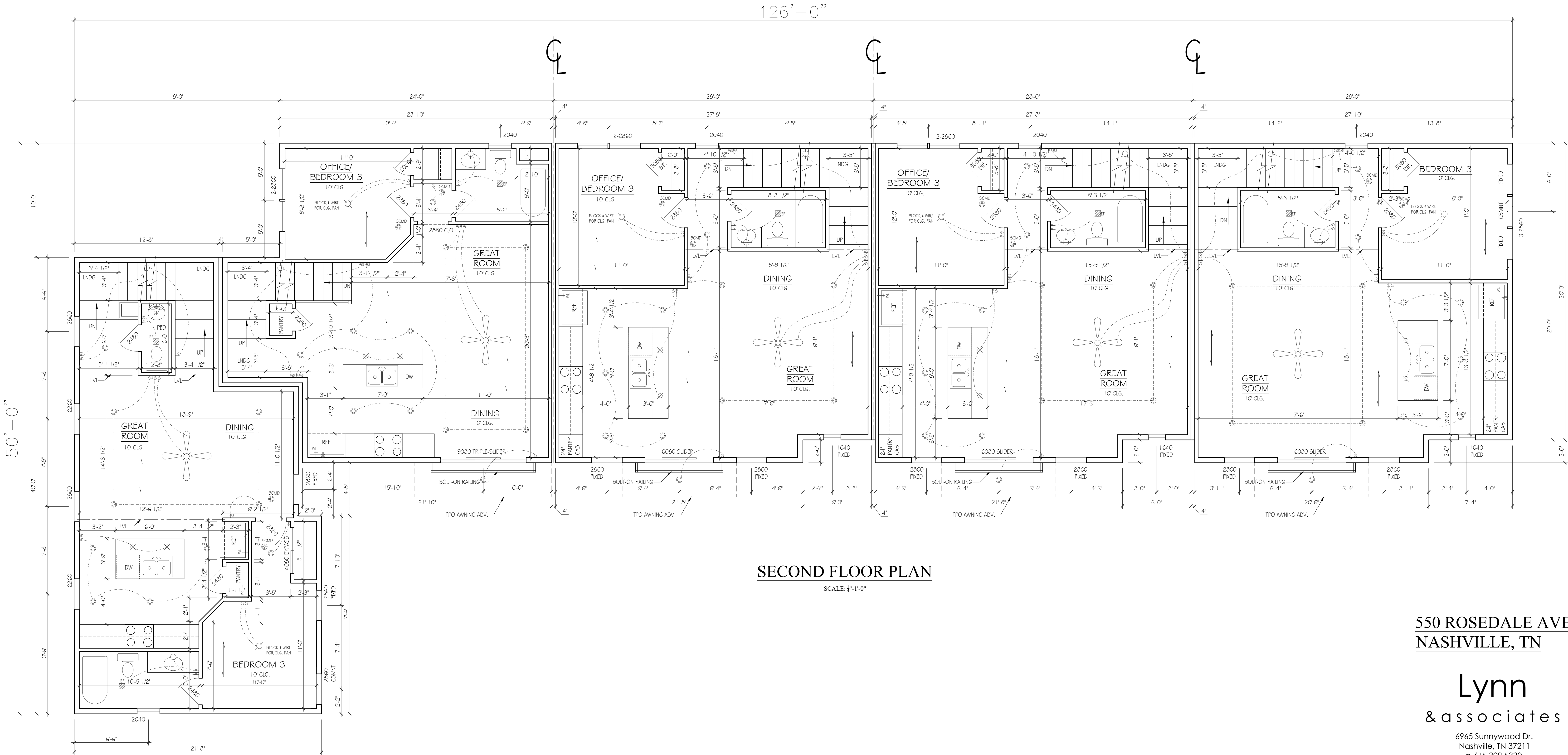
ALL ELECTRICAL OUTLETS WILL BE PER THE NEC CODE

A.6

SECOND FLOOR PLAN

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

PAPER: ARCH D 36x24
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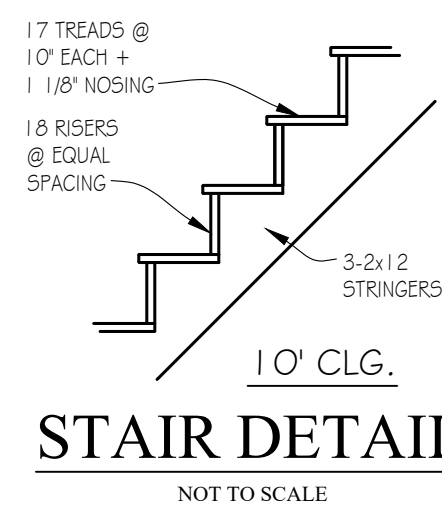
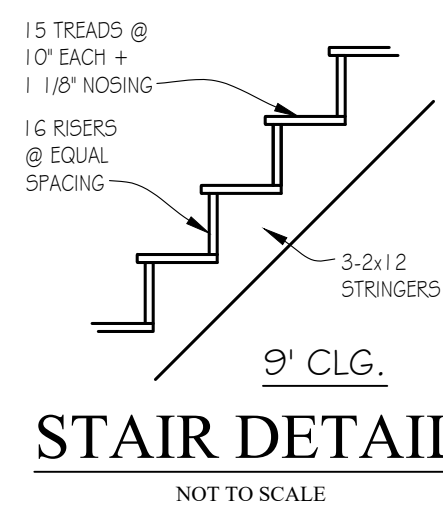
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	LIGHT- PENDANT / CHAND.
	LIGHT- MINI-PENDANT
	LIGHT- SCONCE- WALL MTD
	CAN LIGHT- RECESSED CAN
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	LIGHT- PLUG STRIP
	LIGHT- UNDERCTR / COVE
	LIGHT- EXT. FLOOD
	LIGHT- UNDERCTR / COVE
	EXHAUST FAN / LIGHT
	SWITCH- SINGLE
	SWITCH- 3 OR 4-WAY
	SWITCH- DIMMER
	SMK, CARB. MON. DETECTOR

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A.7

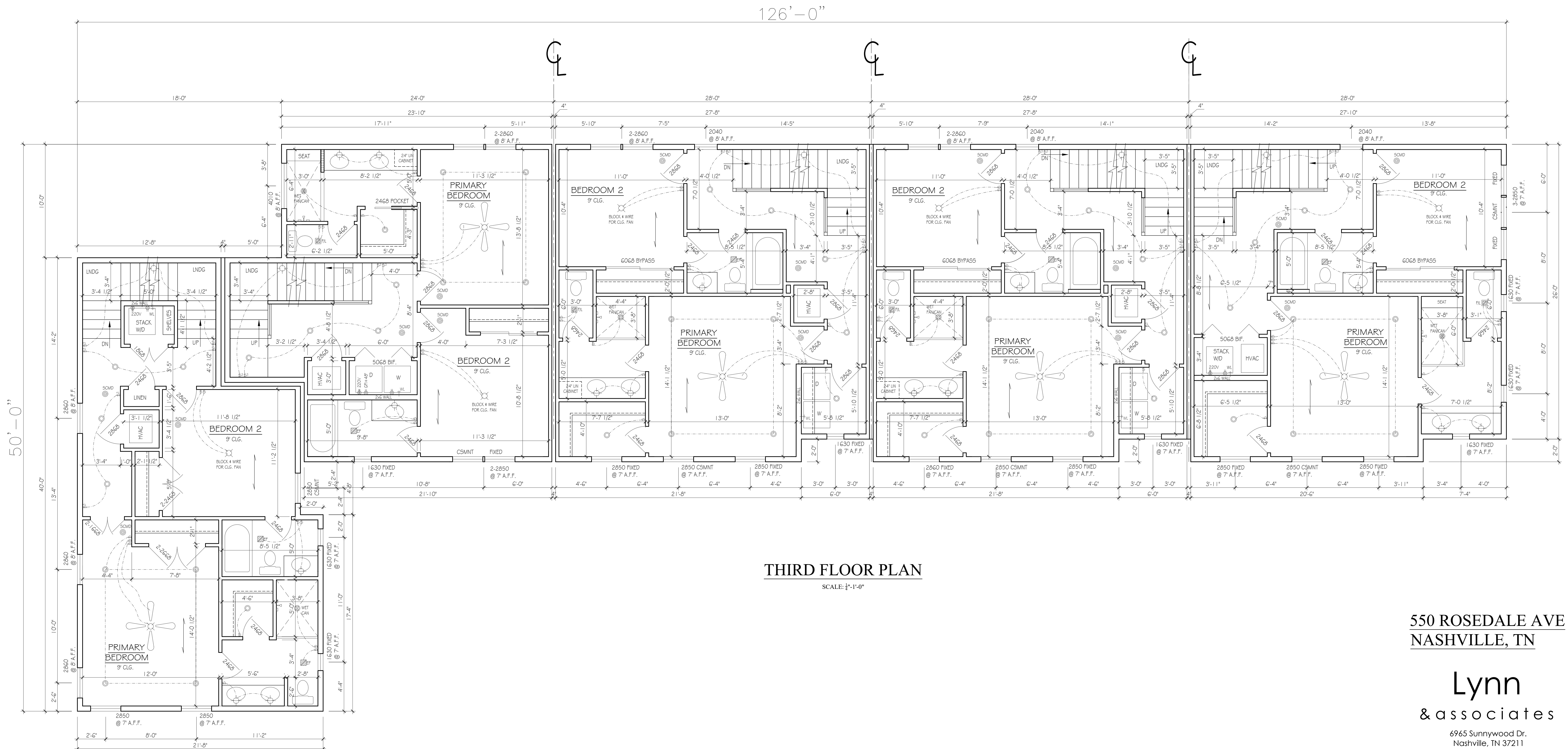
THIRD FLOOR PLAN

SCALE: $\frac{1}{4}"=1'-0"$

PAPER: ARCH D 36x24

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1. 06.27.23



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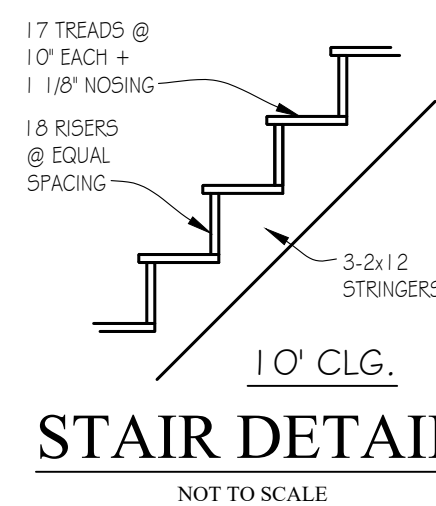
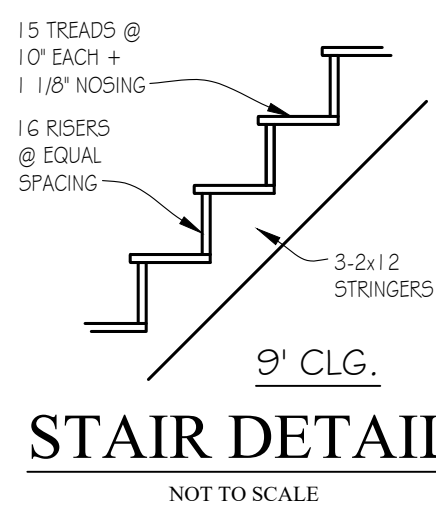
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	LIGHT- PENDANT / CHAND.
	LIGHT- MINI-PENDANT
	LIGHT- SCONCE- WALL MTD
	LIGHT- RECESSED CAN
	LIGHT- RECESSED ACCENT
	LIGHT- FLUO. STRIP
	LIGHT- UNDERCRT / COVE
	LIGHT- EXT. FLOOD
	EXHAUST FAN / LIGHT
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	SWITCH- DIMMER
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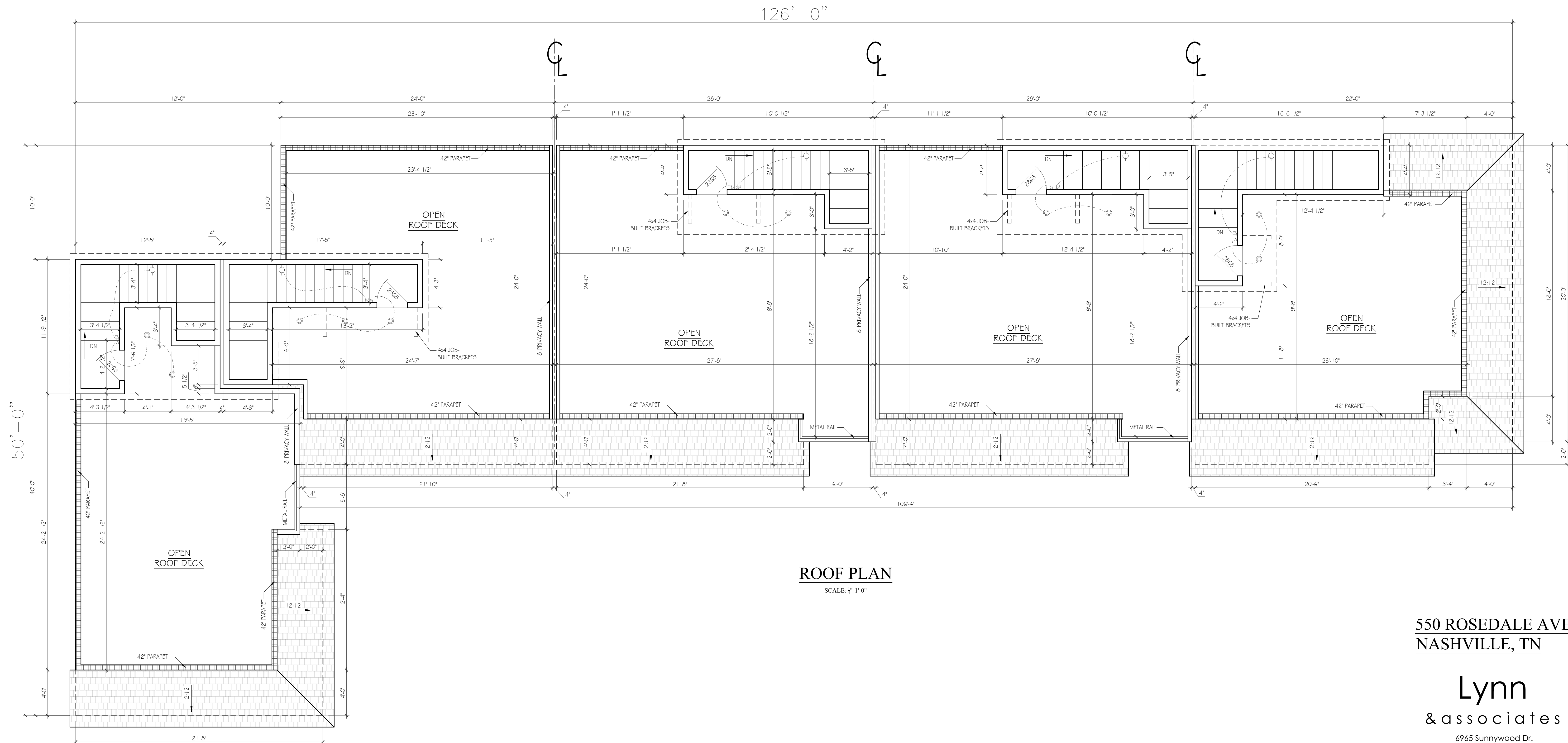
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SCALE: $\frac{1}{4}"=1'-0"$

PAPER: ARCH D 36x24

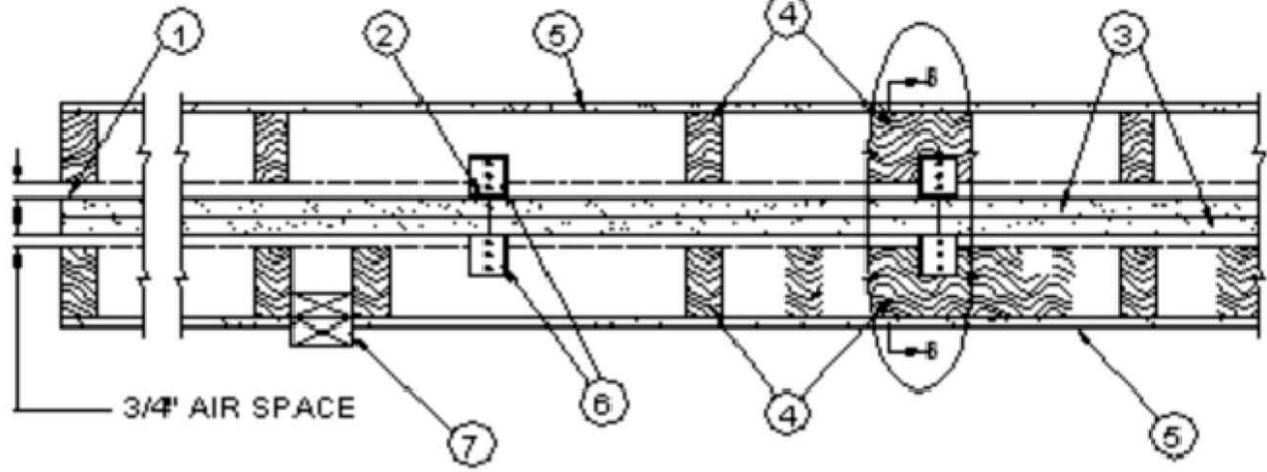
DATE ISSUED: 12.14.22

REVISIONS:
1. 06.27.23



SCALE: $\frac{1}{4}"=1'-0"$

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CONFIGURATION D
EXPOSED TO FIRE FROM EITHER SIDE

SEPARATION WALL: (Max. Height - 66 ft.)

- Floor, Intermediate or Top Wall** — 2 in. wide channel shaped with 1 in. long legs formed from No. 25 MSG galv steel, secured with suitable fasteners spaced 24 in. OC.
- Metal Studs** — Steel members formed from No. 25 MSG galv steel having "H"-shaped flanged spaced 24 in. OC; overall depth 2 in. and flange width 1-3/8 in.
- Gypsum Board*** — Two layers of 1/2 in. thick gypsum board liner panels, supplied in nom 24 in. widths. Vertical edges of panels friction fitted into "H"-shaped studs.

CGC INC — Type SLX.

UNITED STATES GYPSUM CO — Type SLK

USG MEXICO S A DE CV — Type SLX.

PROTECTED WALL: (Bearing or Nonbearing Wall)

- Wood Studs** — Nom 2 by 4 in. max spacing 24 in. OC. Studs cross braced at mid-height where necessary for clip attachment. Min 3/4 in. separation between wood framing and fire separation wall.

4A. **Steel Studs** — (As an alternate to Item 4, not shown) — For Bearing Wall Rating - Corrosion protected steel studs, min No. 20 MSG (0.0329 in., min bare metal thickness) steel or min 3- 1/2 in. wide, min No. 20 MSG (0.036 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, cold formed, shall be designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. OC. Studs attached to floor and ceiling tracks with 1/2 in. long Type 8-12 steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications. Top and bottom tracks shall consist of steel members, min No. 20 MSG (0.0329 in., min bare metal thickness) steel or min No. 20 MSG (0.036 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, that provide a sound structural connection between steel studs, and to adjacent assemblies such as a floor, ceiling, and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC max. Studs cross-braced with stud framing at midheight where necessary for clip attachment. Min 3/4 in. separation between steel framing and area separation wall. Finish rating has not been evaluated for Steel Studs.

4B. **Steel Studs** — As an alternate to Item 4 and 4A, for use in Configuration B only, not shown) — For Nonbearing Wall Rating - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min 3-1/2 in. wide, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. Top and bottom tracks shall be channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max. Studs cross-braced with stud framing at midheight where necessary for clip attachment. Min 3/4 in. separation between steel framing and area separation wall. Finish rating has not been evaluated for Steel Studs.

5. **Gypsum Board** — Classified or Unclassified — Min 1/2 in. thick, 4 ft wide, applied either horizontally or vertically. Gypsum board attached to studs with 1-1/4 in. long steel drywall nails spaced 8 in. OC. Vertical joints located over studs. (Optional) Joints covered with paper tape and joint compound. Nail heads covered

database.ul.com/cgi-bin/XYV/Template/JSEKT/AFRAME/showpage.html?name=BXUVU336&conshorttitle=Fire+Resistance+Ratings+-+ANSI+UL+263&dojd... 3/4

with joint compound.

6. **Attachment Clips** — Aluminum angle, 0.063 in. thick, 2 in. wide with 2 in. and 2-1/4 in. legs. Clips secured with Type S screws 3/8 in. long to "H" studs and with Type W screws 1-1/4 in. long to wood framing through holes provided in clip.

6A. Clip placement (Item 6) for separation walls up to 23 ft high. Space clips a max of 10 ft OC vertically between wood framing and "H" studs.

6B. Clip placement (Item 6) for separation walls up to 44 ft high. Space clips as described in Item 6A for upper 24 ft. Remaining wall area below requires clips spaced a max 5 ft OC vertically between wood framing and "H" studs.

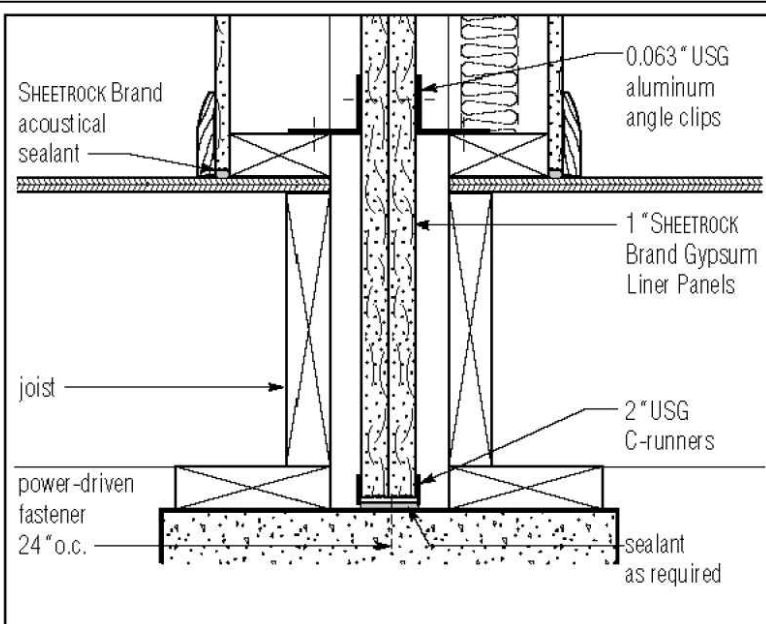
6C. Clip placement (Item 6) for separation walls up to 66 ft high. Space clips as described in Item 6A for upper 24 ft. Space clips as described in Item 6B for next 20 ft. below the upper 24 ft. Remaining wall area below requires clips spaced a max of 40 in. OC vertically between wood framing and "H" studs.

7. **Non-Bearing Wall Partition Intersection** — (Optional) Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3in. long 10d nails spaced a max. 16 in. OC, vertically and fastened to one side of the minimum 2 by 4 in. stud with 10d nails spaced a max 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the wall.

*Bearing the UL Classification Mark

Last Updated on 2010-10-27

Foundation—
solid separation wall



Line with 0.063" USG Aluminum Angle Clips designed to break away when exposed to fire, thus permitting a fire-damaged structure to fall while the fire barrier remains intact. Refer to the architectural specifications in SA925, *USG Area Separation Fire Walls/Party Wall Systems*, for exact clip placement.

With aluminum angle clips attached on both sides of 25-gauge H-Studs, the assemblies are suitable for spans (between clip angle supports) up to 10' under 5 psf lateral load and up to 8' as an exterior wall under 15 psf wind load without exceeding L/240 allowable deflection (see section 3.1 of the specifications).

With 2" ThermaFiber Sound Attenuation Fire Blankets (SAFB) stapled each side of liner panels, the assembly has obtained a 3-hr. fire resistance rating allowing separate selection and construction of tenant walls.

CODE REVIEW DATA

CODES USED:

2006 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS*
2006 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS*
2006 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS*
2006 INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS*
2006 INTERNATIONAL FIRE CODE
2006 LIFE SAFETY CODE (NFPA 101)
2002 NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS
2006 INTERNATIONAL ENERGY CONSERVATION CODE
2003 ICC / ANSI A 117.1 ACCESSIBLE & USABLE BUILDINGS & FACILITIES
1998 METROPOLITAN COMPREHENSIVE ZONING ORDINANCE***

BUILDING CONSTRUCTION:

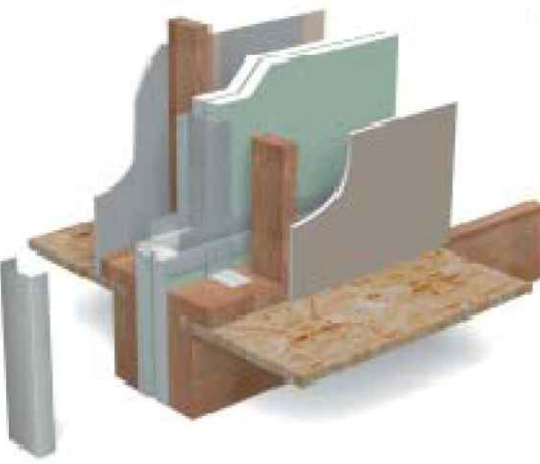
STORIES: 2

OCCUPANCY CLASSIFICATION & OCCUPANT LOAD: RESIDENTIAL

Area-Separation Wall

H-Studs are a key framing component and add structural integrity to area-separation wall assemblies.

- 2-hour fire-rated assembly.
- 2" wide and 25 gauge.
- Tested and approved with most major gypsum and shattliner manufacturers.
- Stock lengths are 8', 10' and 12'.
- BOCA approved. Evaluation Report 92-19.



Dietrich H-Studs are 2" wide vertical members used to secure two 1" thick pieces of gypsum shattliner in area separation wall assemblies. H-Studs are inserted into C-runners and slid over gypsum panel liner edges. The process is repeated until the desired wall length is achieved. Once the wall is plumbed it is secured at the floor, roof and truss line with aluminum breakaway clips. Wall assemblies may be built to heights of 10' between floor and ceiling to a total maximum height of 50'.

H-Stud

DMF Product Code	Gauge	Mils	Thickness		Width Inches (mm)	Size		Length		Weight/lb.		Packaging	
			Design Thickness Inches (mm)	Actual Thickness (mm)		Height Inches (mm)	Length Feet (mm)	lb.	kg	lb.	kg	Pcs./bundle	Pcs./Std
HSN (H-Stud)	25	18	0.0188	0.48	2-1/16	52.4	8	2.44	0.44	0.20	0.09	NA	300
							10	3.05	0.44	0.20	0.18		300
							12	3.66	0.44	0.20	0.27		300

Clips melt away under intense heat, allowing a fire-damaged structure to collapse while keeping the firewall barrier in place to protect the adjacent units.

- Tested and approved with most major gypsum and shattliner manufacturers.
- BOCA approved. Evaluation Report 92-19.
- Clips measure 2" x 2" x 2-1/2".

Dietrich aluminum breakaway clips are used as part of the H-Stud area-separation wall assembly and are designed to melt and break away when exposed to fire. The clips are used to hold the area-separation wall assembly in place at the floor, roof and truss line between adjacent walls.

Should a fire breakout in one wall, the Aluminum Breakaway Clips on the fire-ridden side of the area separation wall will melt, allowing the wall to move for that side to collapse. The breakaway clips on the non-fire side will remain in place and hold the area-separation wall in place as a barrier to contain the fire to the unit of origin.

Aluminum Breakaway Clips

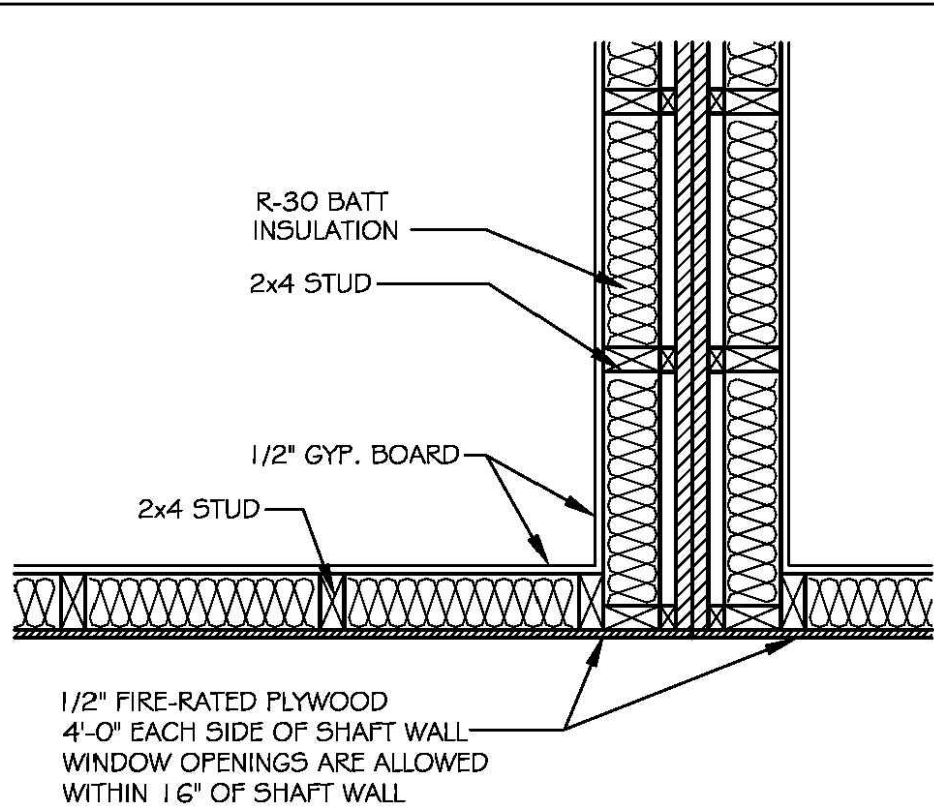
DMF Product Code	Size Inches (mm)	Weight/lb.	Packaging
AB	2" x 2" x 2-1/2"	50.8 x 50.8 x 63.5 0.06 0.02	500

For more information or to contact sales representatives, see page 2.



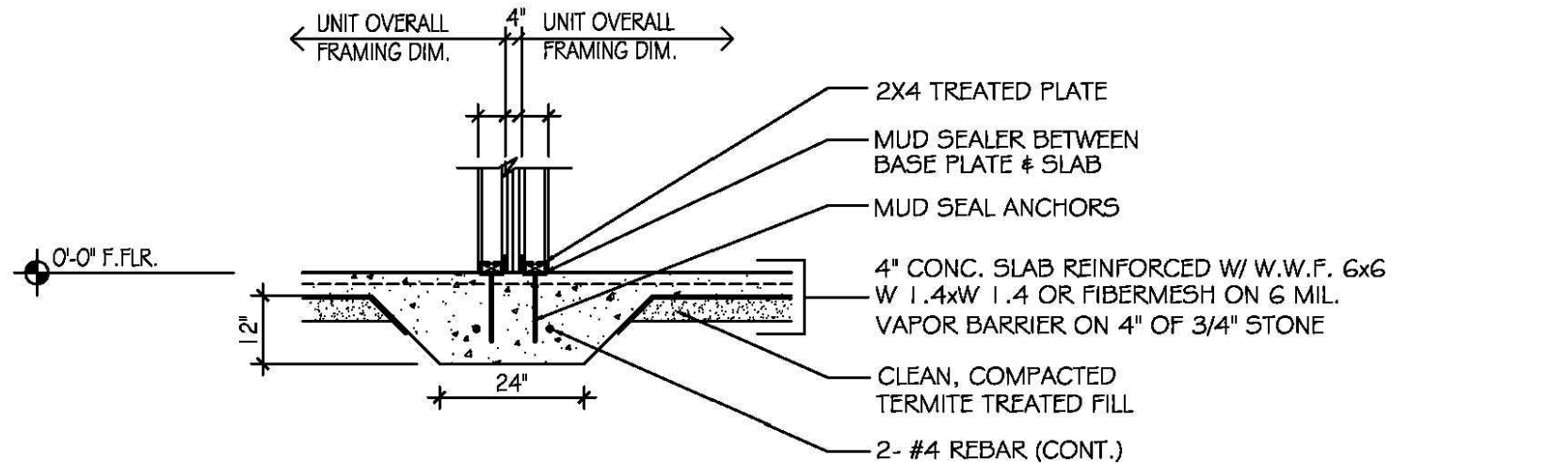
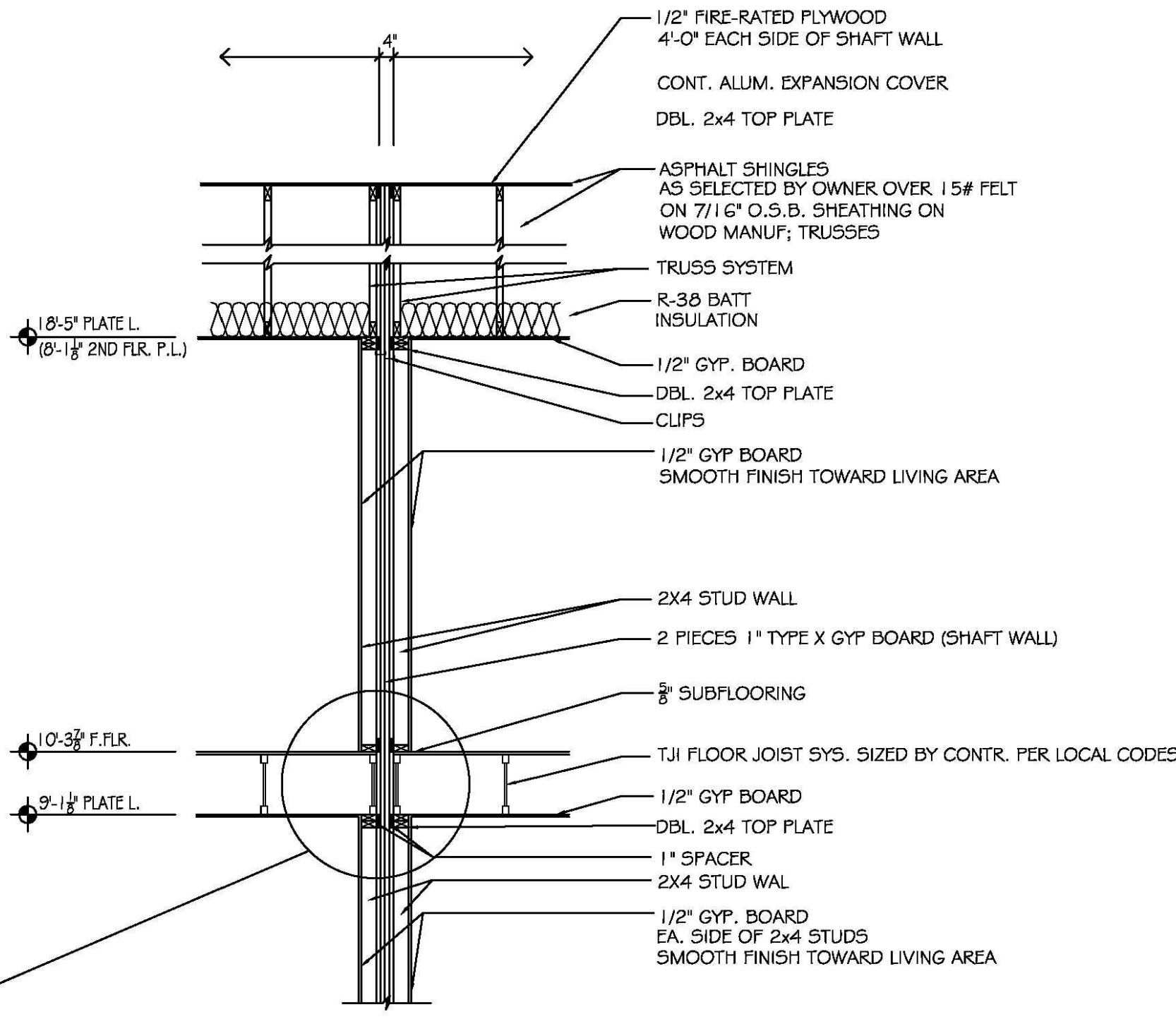
D.1

PARTY WALL
DETAILS



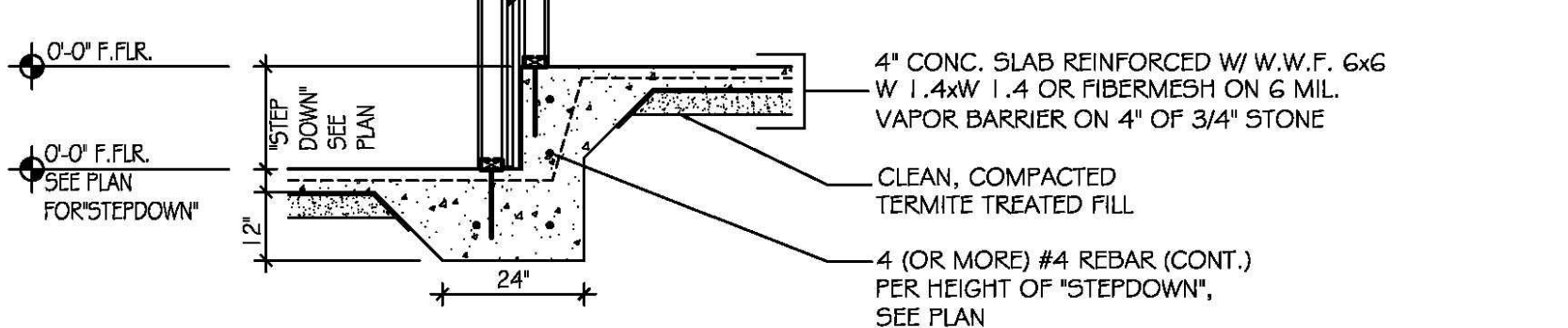
PLAN VIEW:
2 HOUR SHAFT FIREWALL
DESIGN NO. U 336

SCALE: 1"=1'-0"



TYPICAL FIREWALL SECTION

SCALE: 3/4"=1'-0"



TYPICAL "STEPDOWN" SECTION

SCALE: 3/4"=1'-0"

CONDO DETAIL SHEET 1 HR FIRE WALL W. SECTIONS 09.29.09

2 HOUR SHAFT
FIREWALL:
DESIGN NO. U 336

EXPOSED TO FIRE FROM
SEPARATION WALL SIDE ONLY
NON-BEARING WALL RATING: 2 HOUR
FINISHED RATING: 120 MIN

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