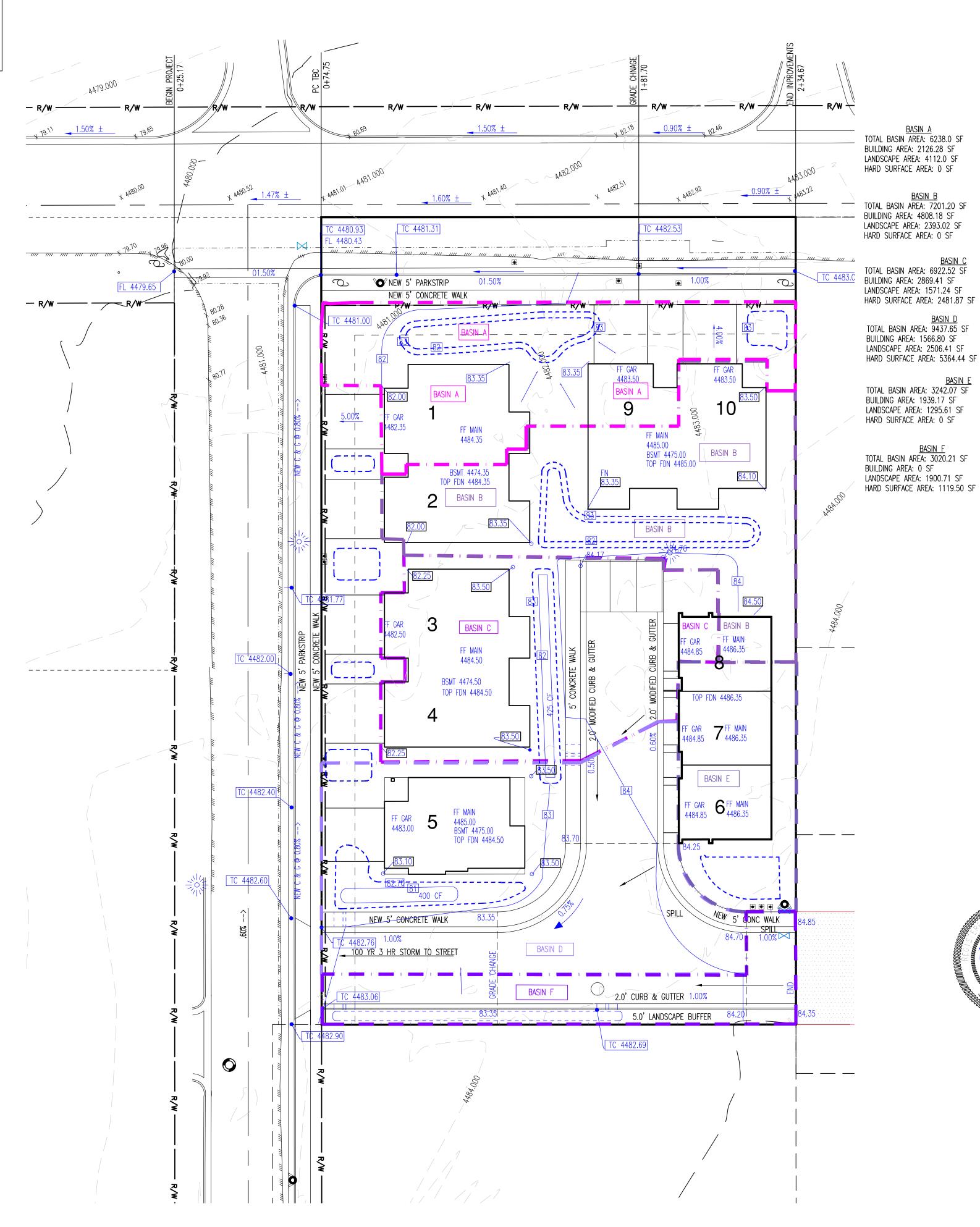


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GRADING NOTES:

PROVIDE SLOPE AWAY FROM BUILDINGS THAT COMPLIES WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (2% MINIMUM / 12% MAXIMUM ON HARD SURFACES; 5% MINIMUM / 2:1 MAXIMUM IN LANDSCAPE AREAS - FOR A MINIMUM 10 FEET IN ANY CASE). CONTRACTOR TO OBTAIN APPROVAL FROM THE BUILDING DIVISION (801)-568-7251 FOR GRADING ADJACING TO



TERSON ENGINEERING
CONSULTING ENGINEERS & LAND SURVEYORS

ON 80TH S, SANDY UTAH TTAGES 615 E 8000 9

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AINAGI RADING

GRAPHIC SCALE (IN FEET) 1 inch = 20 ft.

FLOOD NOTE:

By graphic plotting only, this property is in Zone "X" of the Flood Insurance Rate Map, Community Panel No. 49035C 0432G, which bears an effective date of 09/25/2009 and is not in a Special Flood Hazard Area. No field surveying was performed to determine this zone and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency.

HYDROLOGY:

SANDY 80 TOWNHOMES

CALCULATIONS FOR STORM RUNOFF DETENTION VOLUME REQUIREMENTS 10-Year, 3-Hour Storm

SANDY CITY UTAH

Calculate CA and allowable disc	harge:	Runoff			"h"	"h"	
	Acres	Coefficient	CA		S.F.	Acres	
Pavement	0.22	0.90	0.20		9,450	0.22	24 %
Roof	0.27	0.85	0.23		11,580	0.27	30 %
Landscaped	0.41	0.15	0.06		17941	0.41	46 %
	0.00	0.00	0.00		0	0.00	0 %
Total	0.90	0.54	0.487	Total	38971	0.89	100 %
CA			0.487				
Allowable discharge at 0.2 cfs/acre		0.18	Discharge to Use:			0.20 (input cfs)	

60.0000 (input) minutes	/ inch of permeability	0.0167 (output) inches/minute of permeability				
1.0000 (output) hours/i	nch of permeability	1.0000 (output) inches/hour of permeabiltiy				
(Input) Permeability Ra	1 in/hr	17941 (input) sf (perc. surf. area	0.415 (output) cfs (perc. outfall)			

Miscellaneous flow inputs:

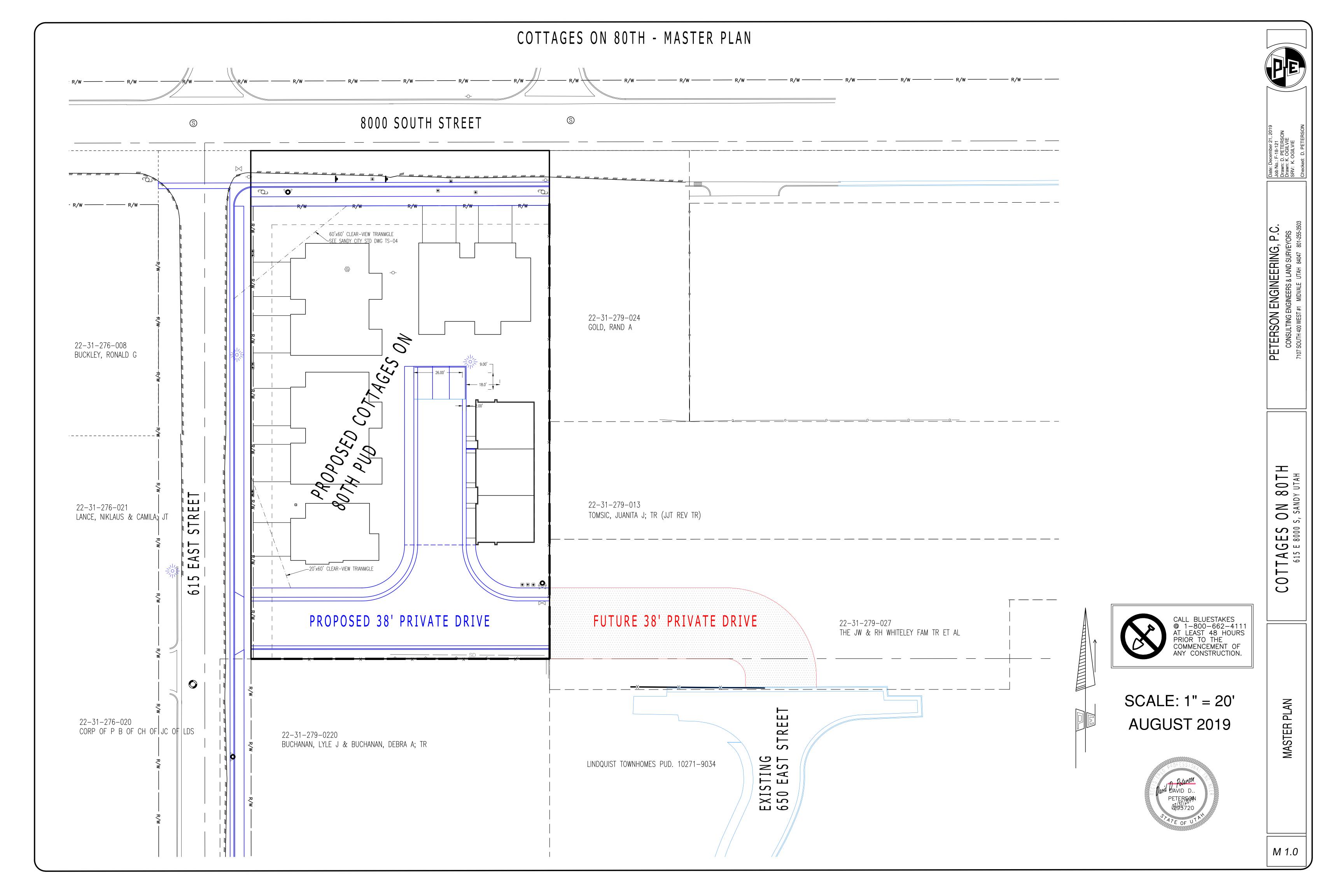
Inflow from other areas:			(cfs)	Outflow to other areas:		0 (cfs)				
Calculate d	letention	volume re	quired:		Inflow	Total all				
		Average		Cum.	from other	contributing	Orifice	Outflow to	Percolation	
Time		Intensity	Time	Runnoff	areas	areas	Discharge	other areas	outfall	Storage
(minutes)	CA	(in./hr.)	(sec.)	(cu.ft.)	(cu.ft.)	(cu.ft.)	(cu.ft.)	(cu.ft.)	(cu. ft.)	(cu. ft.)
5	0.49	3.72	300	543	0	543	60	0	125	359
15	0.49	2.28	900	999	0	999	180	0	374	445
30	0.49	1.44	1800	1262	0	1262	360	0	748	155
60	0.49	0.93	3600	1630	0	1630	720	0	1495	-585
120	0.49	0.55	7200	1928	0	1928	1440	0	2990	-2502
180	0.49	0.40	10800	2104	0	2104	2160	0	4485	-4542
360	0.49	0.25	21600	2630	0	2630	4320	0	8971	-10661
720	0.49	0.15	43200	3155	0	3155	8640	0	17941	-23426
1440	0.49	0.09	86400	3787	0	3787	17280	0	35882	-49375

Summary: Bonding for 1500 cu. ft. required.

LEGEND

F	Power Pole	\bowtie	Water Valve		Storm Manhole
Ψ (Comm. Man Hole		Fire Hydrant		Storm Inlet
X	Electric Meter	•	Water Manhole		Curb Storm Inlet
	Cable Box		Water Meter Pit	0	Sanitary Sewer
•	Water Meter	•	Gas Meter	©	Gas Manhole
Ġ	Indicates Handicapped Parking	\	Section Corner	23	Parking Row Count
	Sight Light	\boxtimes	Irrigation Box		Monument
		VVVV	, l		

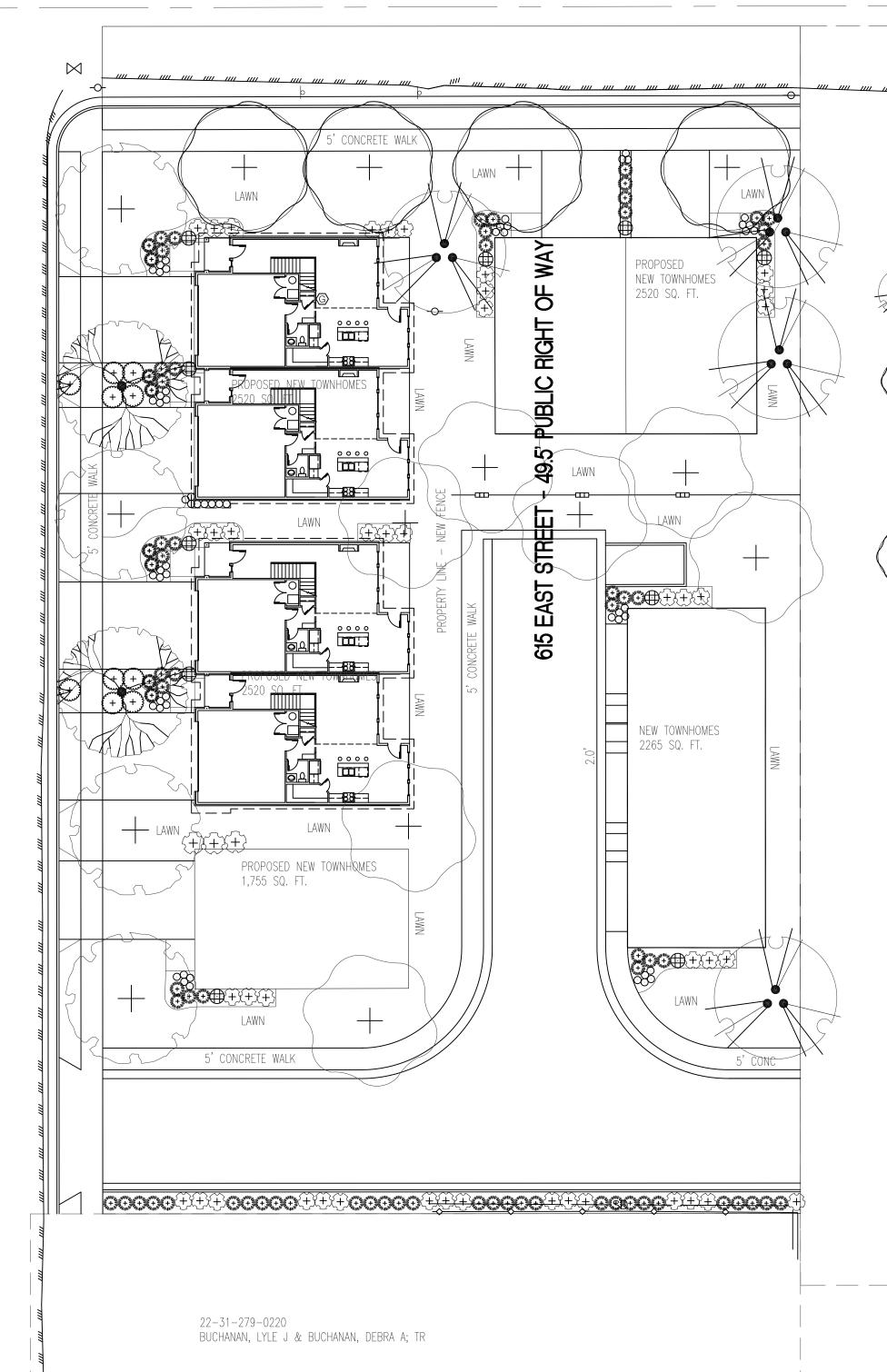
6 Schedule B Exception Schedule B Exception



0

SHEET

8000 SOUTH STREET - 66.0'PUBLIC RIGHT OF WAY



PLANT SCHEDULE

LINDQUIST TOWNHOMES PUD. 10271-9034

DECIDUOUS TREES	BOTANICAL NAME / COMMON NAME	SIZE	<u>CC</u>
+ 3	ACER RUBRUM `OCTOBER GLORY` / OCTOBER GLORY MAPLE	2" CAL.	B&I
	EXISTING TREE TO REMAIN PROTECT AND IRRIGATE DURING CONSTRUCTION	2" CAL.	B&l
+	CARPINUS BETULUS `FRANZ FONTAINE` / FRANZ FONTAINE HORNBEAM -KEEP TRIMMED REGULARLY	2" CAL.	B&I
(\cdot)	PYRUS CALLERANA/ CAPITAL PEAR	2" CAL.	B&I
•	MALUS / SPRING SNOW CRABAPPLE	2" CAL.	B&I
STREET TREES	BOTANICAL NAME / COMMON NAME	SIZE	<u>CC</u>
	GLEDITSIA TRIACANTHOS 'IMPERIAL' / IMPERIAL HONEYLOCUST	2" CAL.	B&I
+	ZELKOVA SERRATA `VILLAGE GREEN` / VILLAGE GREEN ZELKOVA	2" CAL.	B&I
SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	
	LAVANDULA ANGUSTIFOLIA `HIDCOTE` / HIDCOTE LAVENDER	5 GAL	
(+)	WEIGELA WINE AND ROSES	5 GAL	
(iii)	RHUS AROMATICA `GRO-LOW` / GRO-LOW FRAGRANT SUMAC -TRIM TO FORM DENSE GROUNDCOVER	5 GAL.	
EVERGREEN SHRUB	BOTANICAL NAME / COMMON NAME	SIZE	
(+)	BUXUS X `GREEN MOUNTAIN` / GREEN MOUNTAIN BOXWOOD -PLANT AND TRIM SO AS TO FORM DENSE HEDGE	5 GAL.	
<u>GRASSES</u>	BOTANICAL NAME / COMMON NAME	SIZE	
	MISCANTHUS SINENSIS `GRACILLIMUS` / GRACILLIMUS MAIDEN GRASS	5 GAL.	
\odot	HEMEROCALLIS/ DAYLILY	1 GAL.	
	PENNISETUM ALOPECUROIDES `KARLEY ROSE` / KARLEY ROSE GRASS	5 GAL.	
20)2	-SEE BIOGRASS SOD FARMS FOR SPECIES (801)562-9090		

__ __X____X____X_____

PLANTING NOTES:

1. LANDSCAPE CONTRA

— R/W —— R/W ——

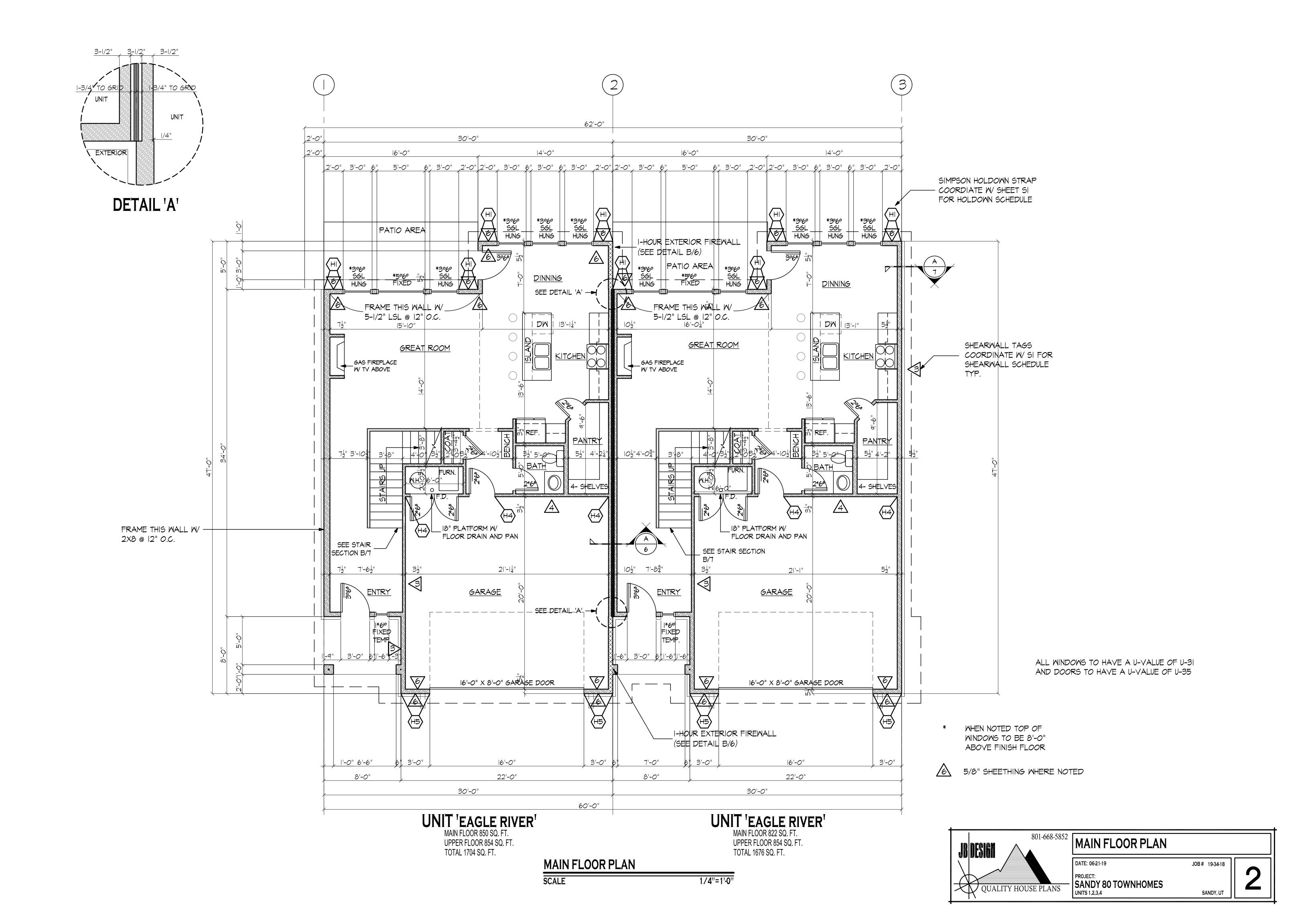
- 1. LANDSCAPE CONTRACTOR (L.C.) SHALL INSTALL 6" OF TOPSOIL IN ALL PLANTER AREAS.
- 2. L.C. SHALL HAVE ALL UTILITIES STAKED BEFORE DIGGING, ANY DAMAGE SHALL BE REPAIRED BY L.C. AT HIS OWN EXPENSE WITH NO COST TO THE OWNER.
- 3. L.C. SHALL MAKE CERTAIN THAT ALL PLANTS ARE PROPERLY WATERED WITH AUTOMATIC IRRIGATION.
 4. L.C. SHALL COORDINATE HIS WORK WITH THE PROJECT MANAGER AND WITH ALL OTHER CONTRACTORS
- WORKING ON THE SITE.

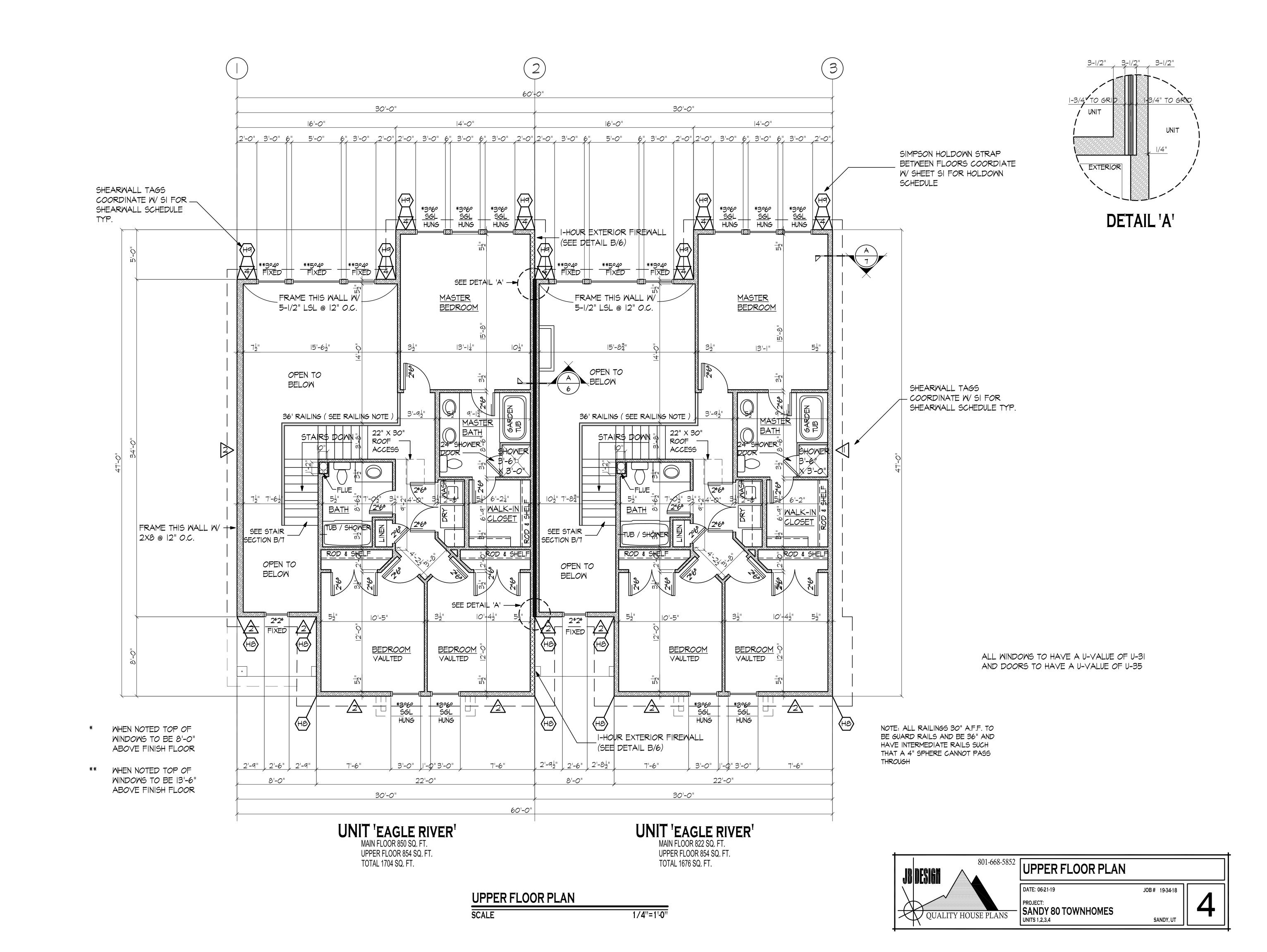
 5. THE FINISH GRADE OF ALL PLANTING AREAS SHALL BE SMOOTH, EVEN, CONSISTENT, FREE OF ANY HUMPS, DEPRESSIONS OR ANY OTHER GRADING IRREGULARITIES. THE FINISHED LANDSCAPE (i.e., ROCK MULCH, etc.) SHALL BE CONSTANTLY ½" BELOW ANY SURROUNDING CURB, WALKS, ETC..
- L.C. SHALL KEEP THE STORAGE AREA, PAVEMENT AND PREMISES CLEAN AND NEAT AT ALL TIMES.
 THE LANDSCAPE ARCHITECT OR OWNER SHALL INSPECT ALL PLANT MATERIALS ON SITE BEFORE INSTALLATION TO INSURE COMPLIANCE WITH SIZES AND TYPES. L.C. SHALL CALL FOR INSPECTION ONE WEEK PRIOR TO PLANTING. WATERING, PROTECTION AND CARING FOR PLANTS DURING THAT PERIOD SHALL BE THE
- RESPONSIBILITY OF THE L.C..

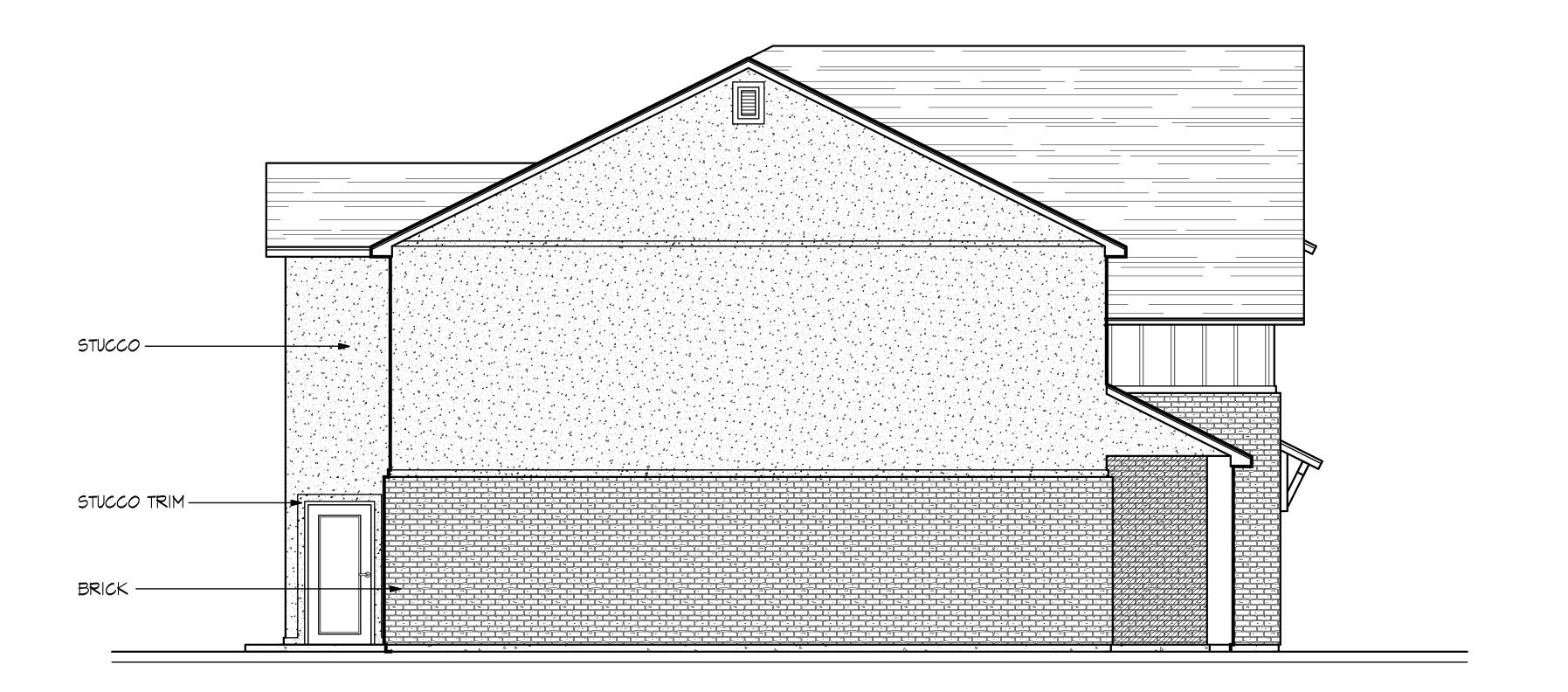
 8. L.C. SHALL MAINTAIN ALL PLANTS, ETC., FOR 30 DAYS FOLLOWING SUBSTANTIAL COMPLETION INCLUDING WEEDING, PRUNING, TRASH CLEAN—UP, ETC.
- L.C. SHALL FURNISH ONE YEAR WRITTEN GUARANTEE FOR ALL PLANTS AND THE IRRIGATION SYSTEM.
 ANY PLANT WITHIN 1 YR PERIOD DEEMED UNHEALTHY OR UNSUITABLE BY THE LAND ARCH SHALL BE
- REPLACED WITHIN 10 WORKING DAYS AS PART OF WARRANTY.

 11. ALL PLANTER ARES SHALL RECEIVE 4" DEPTH OF 1'
- COPPER CANYON ROCK MULCH.

 12. ALL SHRUBS/GRASSES SHALL BE PLANTED 12" MIN FROM TREE ROOT BALLS



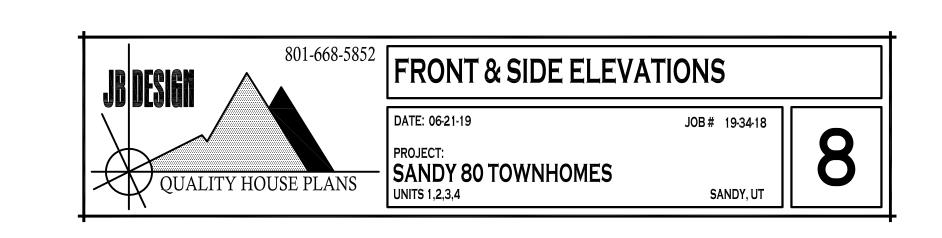


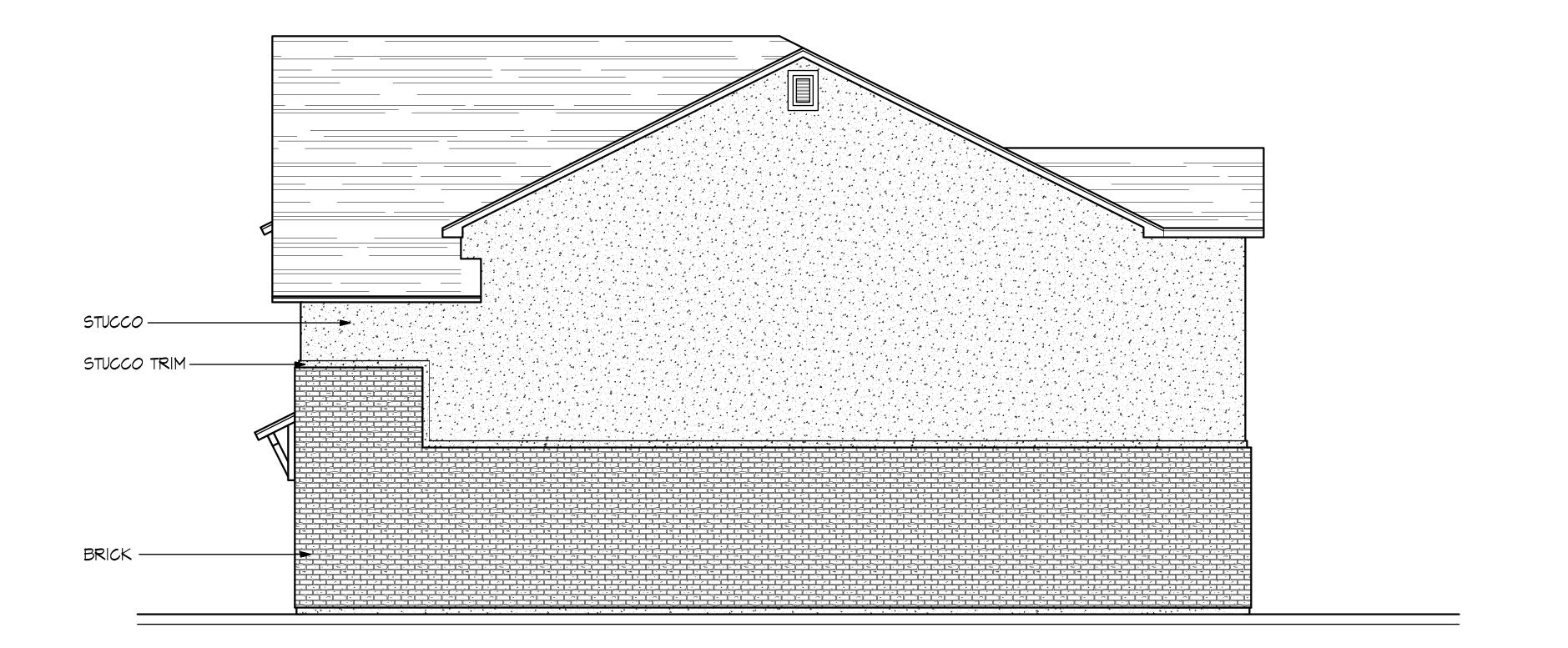


SIDE ELEVATION SCALE 1/4"=1'-0"









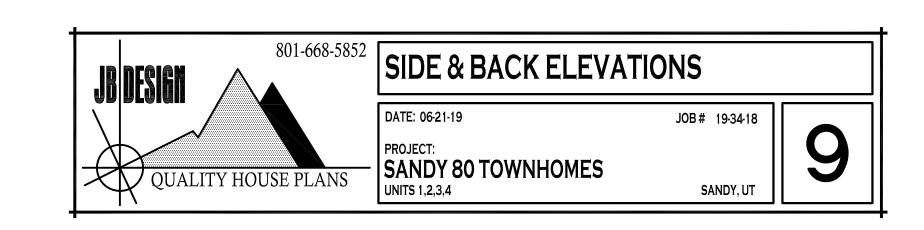
SIDE ELEVATION

SCALE 1/4"=1'-0"



BACK ELEVATION SCALE

1/4"=1'-0"



GENERAL NOTES:

I. ALL FINISH WORK TO COMPLY TO BEST PRACTICES OF LOCAL TRADE

2. ALL DIMENSIONS VERIFIED BY CONTRACTOR ..

3. COORDINATE ALL WINDOW SIZES W/ OWNER.

4. COORDINATE ALL FIXTURES, DOORS, AND FINISH WORK W/ OWNER.

5. SAFETY GLASS W/ IN 24" ARC OF DOOR EDGE, W/ IN 18" OF FLOOR, AND IN TUB ENCLOSURES W/ IN 60" OF FLOOR.

6. ALL BEDROOM WINDOWS TO MEET EGRESS REQUIREMENTS.

7. UNFINISHED WALL OVER 6'-0" TO BE BRIDGED.

8. 22" X 30" ATTIC ACCESS, TO BE INSULATED AND WEATHER STRIPPED.

9. VENT DRYER TO EXTERIOR DUCT MAXIMUM LENGTH IS 35'-O" REDUCE LENGTH FOR FITTINGS PER TABLE 'G' 2439.5.5.1 - IRC MI502.2

10. FIRE BLOCK WALLS & FURRED SPACES AT CEILING & AT 10' VERT. & HORZ..

II. DOOR BETWEEN HOUSE AND GARAGE TO BE 20 MIN. LABELED DOOR W/ CLOSER.

12. INSTALL BACK FLOW PREVENTION ON ALL HOSE BIBS & LAWN SPRINKLERS. 13. VENT TERMINATION'S SHALL BE 10' AWAY OR 3'-0" ABOVE SWAMP COOLERS

14. ALL WALLS BETWEEN HOUSE AND GARAGE TO HAVE ONE LAYER OF 5/8" G.B. ON GARAGE SIDE OF WALL.

15. ALL GARAGE CEILING W/ ROOMS ABOVE TO HAVE 5/8" G,B, CEILINGS

16. OWNER / CONTRACTOR TO REVIEW VERIFY THAT ALL PLANS ARE CORRECT PRIOR TO CONSTRUCTION.

17. PLANS HAVE BEEN DESIGNED UNDER 2015 IRC

18. PROVIDE ONE SMOKE / CARBON MONOXIDE DETECTOR PER LEVEL

19. MECHANICALLY EXHAUSTED AIR SHALL NOT BE DISCHARGED INTO ATTIC, SOFFIT, ROOF OR CRANL SPACE

20. PROVIDE EXPANSION TANK, HEAT TRAPS AND STRAP WATER HEATER IN UPPER AND LOWER THIRDS W/ 2 SEISMIC STRAPS

21. ALL LAUNDRY & UTILITY FLOOR DRAINS TO BE DEEP SEAL TYPE.

22. ALL TUB & SHOWER FAUCETS TO BE ANTI-SCALD.

23. ALL EXTERIOR HOSE BIBS TO BE NONEFREEZE

24. MAXIMUM FLOW RATES FOR THE SHOWER HEADS, LAVATORY AND SINK FAUCETS,

AND WATER CLOSETS. FLOW RATES SHOULD MEET REQUIREMENTS OF IRC P2903.2 25. TEMPERATURE LIMITING DEVICES ARE REQUIRED CONFIRMING TO ASSE 1070 FOR

ALL TUB TYPES INCLUDING SOAKER AND WHIRL POOL AND IS TO BE SET AT 120 F UNLESS IT WILL BE REGULATED BY A TUB / SHOWER VALVE COMPLYING WITH IPC 2708.3 \$ IRC 2713.3.

26. WATER HAMMER ARRESTORS ARE REQUIRED AT QUICK-CLOSING VALVES, I.E.

DISHWASHER & CLOTHS WASHER.

27. DIRECT WASTE VENT TO BE PVC SCHEDULE 40, DR22 (PS 200) AND DR 24 (PS 140) WITH SOLID, CELLULAR CORE OR COMPOSITE WALL.

28. GAS LINES: PROVIDE SEDIMENT TRAPS ON THE DOWNSTREAM SIDE OF SHUTOFF VALVE. 29. ATTIC ACCESS DOOR TO BE WEATHER STRIPPED AND INSULATED TO A LEVEL

EQUIVALENT TO THE INSULATION ON THE SURROUNDING SURFACES.

30. MECHANICAL ROOMS SHALL BE ENCLOSED WITH WALLS INSULATED WITH NON-PAPER FACED R-13 BATT., FLOOR JOIST / CEILING AREA TO BE INSULATED WITH R-38. ALL RETURN & SUPPLY DUCTS ARE TO BE INSULATED WITH R-8. MECHANICAL ENCLOSURE MUST HAVE GASKETED DOOR WITH THRESHOLD. PROVIDE I SQ. INCH PER 3000 BUT/HOUR FOR ALL FUEL BURNING APPLIANCES OPENING MUST BE WITHIN TOP 12" OF ROOM

31. PROVIDE R-3 INSULATION ON ALL MECHANICAL SYSTEM PIPING WITH FLUID OVER 105 DEGREES AND BELOW 55 DEGREES.

32. ALL FASTENERS (I.E. NAILS, SCREWS, ANCHOR BOLTS, ECT.) WHICH ARE TO BE INSTALLED IN PRESERVATIVE TREATED WOOD (I.E. SILL PLATES) SHALL MEET THE REQUIREMENTS OF

33. INSULATE HEATING TRUNK & BRANCH SUPPLY DUCTS IN UNFINISHED AREAS . IRC NIIO3

34. DRYER AIR VENT REQUIREMENTS NOT TO EXCEED 200CFM. PER IRC G2439.4 35. ALL PLUMBING VENTS THROUGH THE ROOF TO BE 2" MIN. PIPE AS PER IRC P3103.2

INSTALL TWO (2) #4 X 40,000 PSI BARS ON ALL SIDES OF OPENINGS BARS SHALL EXTEND 24" BEYOND THE OPENINGS

COORDINATE W/ FOOTING & FOUNDATION PLAN & FLOOR PLAN FOR ALL HOLDOWN LOCATIONS (TYP.)

ALL BEAMS, HEADERS, FOOTINGS \$ STRUCTURE TO BE DESIGNED BY LICENSE STRUCTURAL ENGINEER

COORDINATE W/ SHEARWALL SCHEDULE SHEET SI FOR ANCHOR BOLT SIZES AND SPACING TYP.

F-I 20" X IO" CONTINOUS CONCRETE FOOTING W/ 2 #4 BARS CONT.

F-2 24" X IO" CONTINOUS CONCRETE FOOTING W/ 2 #4 BARS CONT.

F-3 24" X 24" X 10" SPOT FOOTING W/ 3) #4 BARS EACHWAY

NOTED OTHERWISE

FROST COVER)

FOOTING SCHEDULE

ALL FOOTINGS TO BE F-2 UNLESS (ALL FOOTINGS TO HAVE A MIN. 30"

FOUNDATION DESIGN: FOUNDATION HAS BEEN DESIGNED W/ 3-1/2" BRICK LEDGE ON FRONT & SIDES AND NO BRICK LEDGE ON THE BACK

4" GRANULAR BASE 12'-105" 4" CONCRETE SLAB ON 4" GRANULAR BASE $\langle H4 \rangle$ DEPRESS FOUNDATION TO 2'-01" BOTTOM OF FLOOR SLAB -TYP. ALL OPENINGS F-3 — SIMPSON HOLDOWN STRAP COORDIATE W/ SHEET SI FOR HOLDOWN SCHEDULE 3'-3½" 2'-0" 6'-6" $2\frac{1}{2}"$ $3'-3\frac{1}{2}"$

30'-7"

4" CONCRETE SLAB ON

 $|4'-3\frac{1}{2}"$

12'-112'

16'-3½"

8'-0"

ABOVE FINISH FLOOR 5/8" SHEETHING WHERE NOTED

WHEN NOTED TOP OF

WINDOWS TO BE 8'-0"

SIMPSON STRONG

MALL SM22X8X6-

(TYP. 4 PLACES)

UNIT 'EAGLE RIVER' MAIN FLOOR 829 SQ. FT

32'-0"

UPPER FLOOR 854 SQ. FT. TOTAL 1683 SQ. FT.

18" PLATFORM W/

FLOOR DRAIN AND PAN

<u>GARAGE</u>

SHEARWALL TAGS

COORDINATE W/ SI FOR

SHEARWALL SCHEDULE TYP.

16'-0" X 8'-0" GARAGE DOOR

16'-0"

22'-0"

16'-0"

PATIO AREA

FIXED

GREAT ROOM

FRAME THIS WALL W/

2X8 @ 12" O.C.

7½" 3'-10½"

SEE STAIR

SECTION B/5

ENTRY

7'-6="

#IXED TEMP! H3

1'-0" 6'-6" 6"

GAS FIREPLACE W/ TV ABOVE

HUNG

HUNG

<u>. 3'-0" ,2'-0",2'-0", 3'-0" 6", 3'-0" 6", 3'-0"</u>

SGL HUNG

SGL HUNG

DINNING

BATH

SIMPSON STRONG

-MALL SM22X8X6

(TYP. 4 PLACES)

4

3'-0"

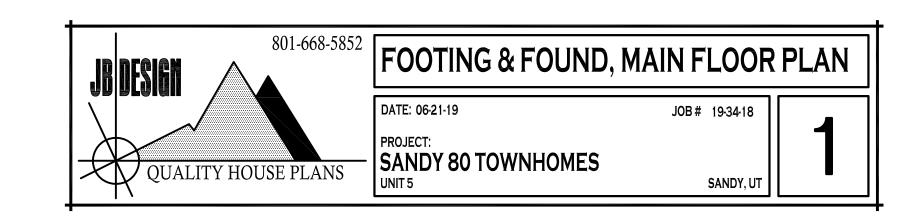
FOUNDATION REINFORCING SCHEDULE THICKNESS | VERTICAL REINFORCING | HORIZONTAL REINFORCING TAG #4 @ 24" *O.*C. 2'-0" - 4'-0" 8" #4 @ I8" O.C. #4 @ 24" O.C. 4'-0" - 8'-0" #4 @ 24" *O.*C. 8'-0" - 9'-0" 8" #4 @ 16" O.C. #4 @ 16" O.C. #4 @ |2" O.C. 9'-0" - 10'-0" #4 @ 9" *O.*C. #4 @ |2" O.C. 10'-0" - 11'-0" #4 @ 6" O.C. 11'-0" - 13'-0" #4 @ I2" O.C. #6 @ 10" O.C. | 13'-0" - 16'-0" | 10" #5 @ 6" O.C. #4 @ IO" O.C. | 16'-0" - 18'-0" | 10" #6 @ 6" O.C. #4 @ 6" O.C.

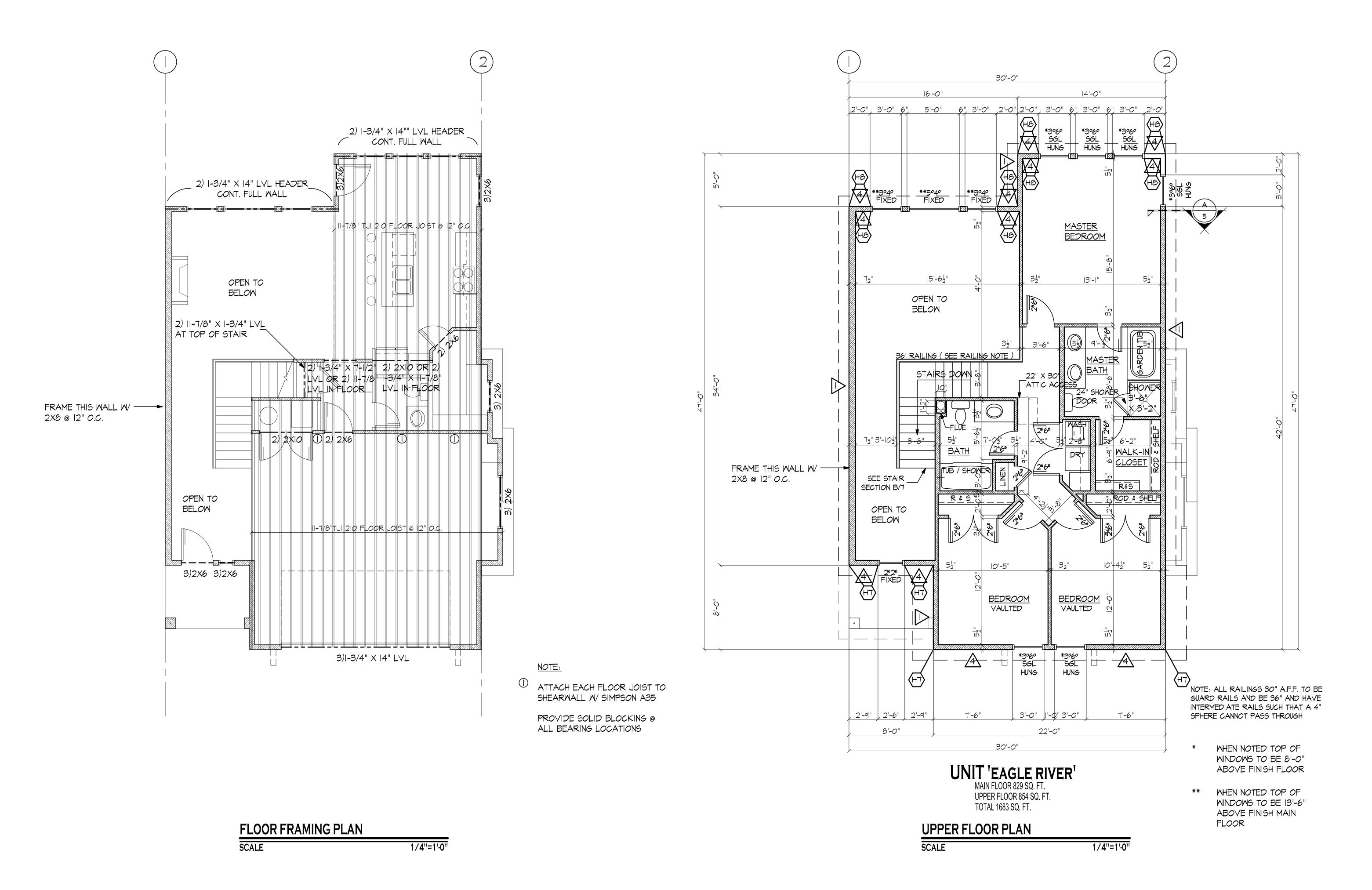
FOOTING & FOUNDATION PLAN SCALE 1/4"=1'-0"

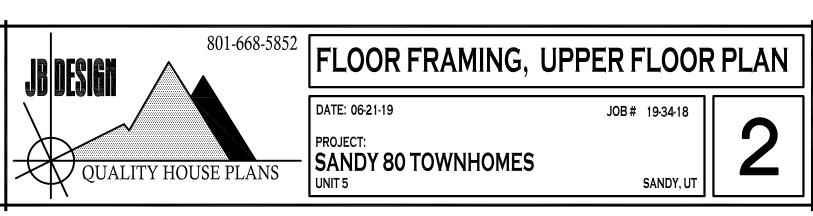
22'-7"

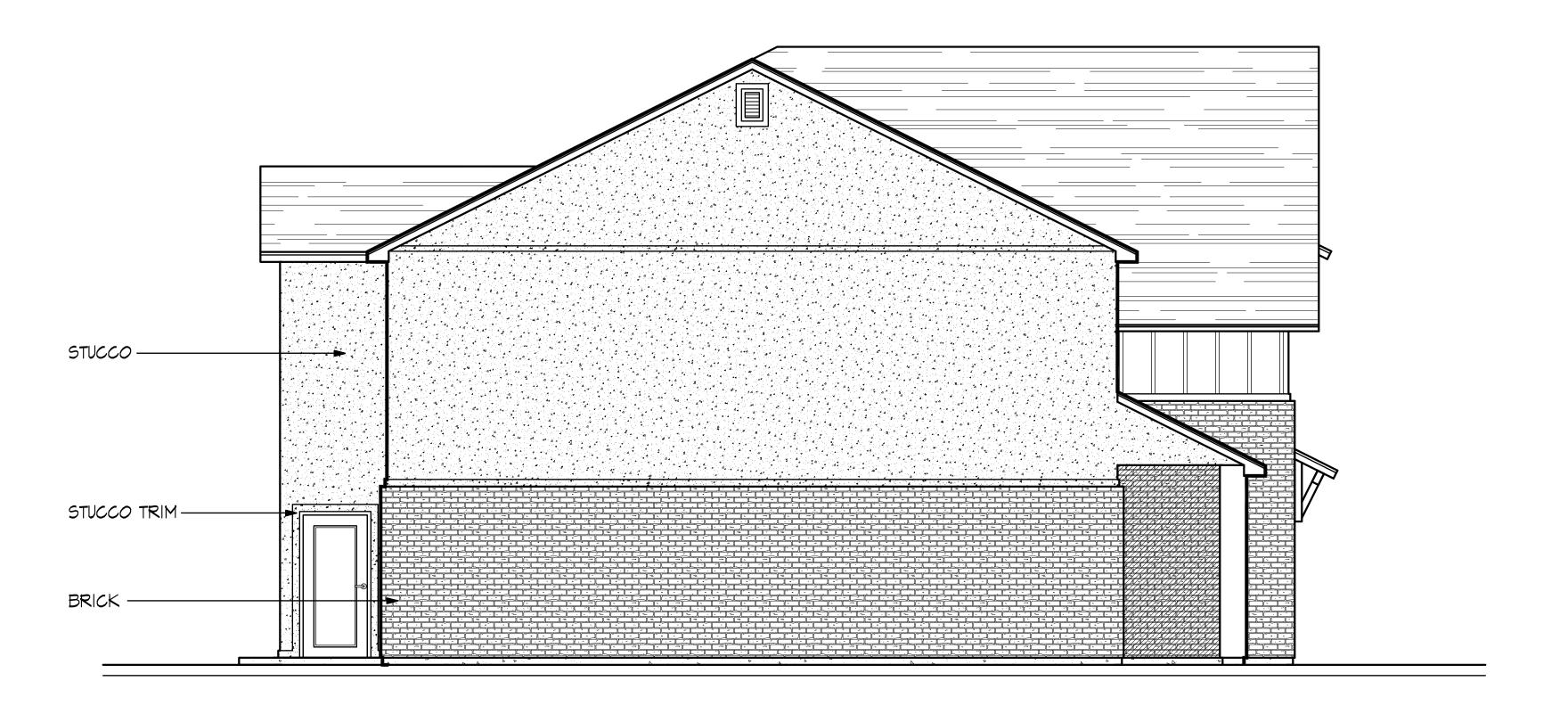
32'-7"

MAIN FLOOR PLAN 1/4"=1'-0"









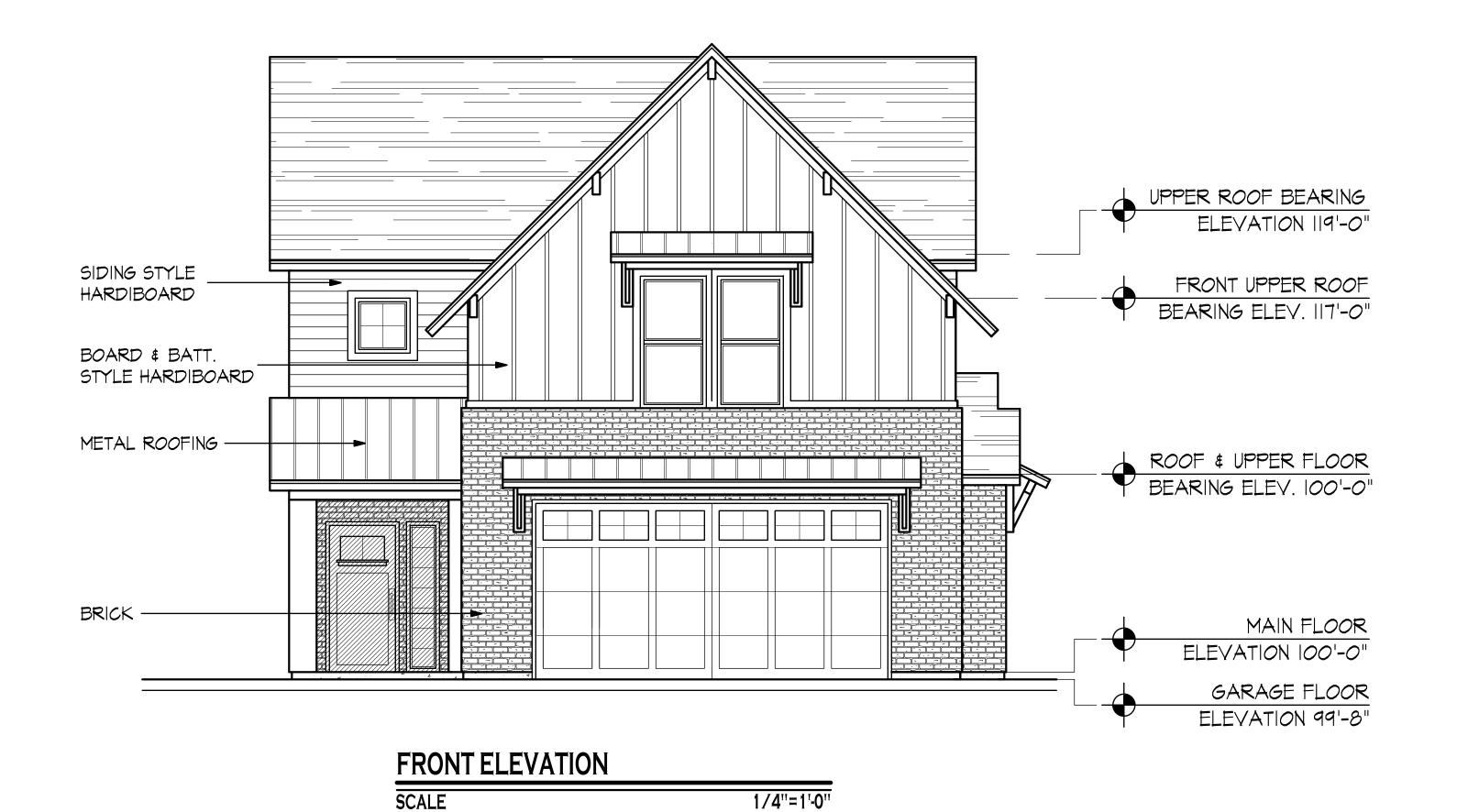


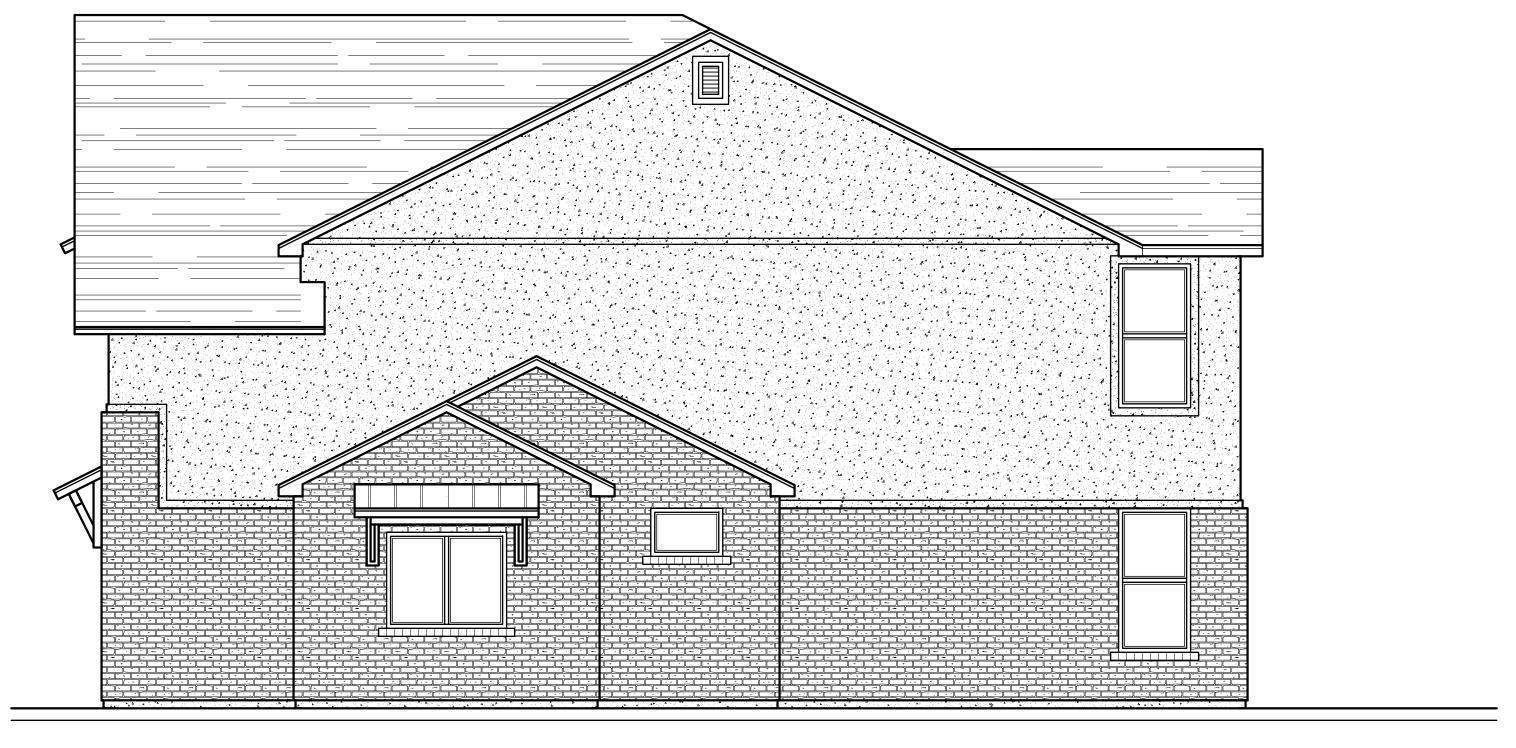
SIDE ELEVATION

SCALE 1/4"=1'-0"

BACK ELEVATION

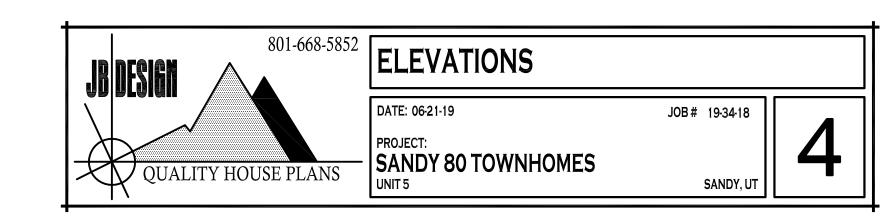
SCALE 1/4"=1'-0"





SIDE ELEVATION

SCALE 1/4"=1'-0"

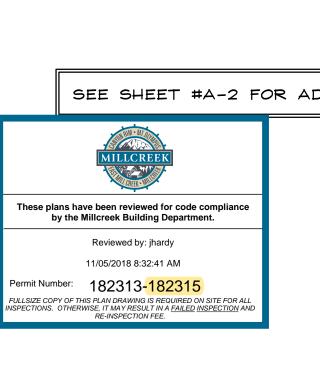


PROJECT #

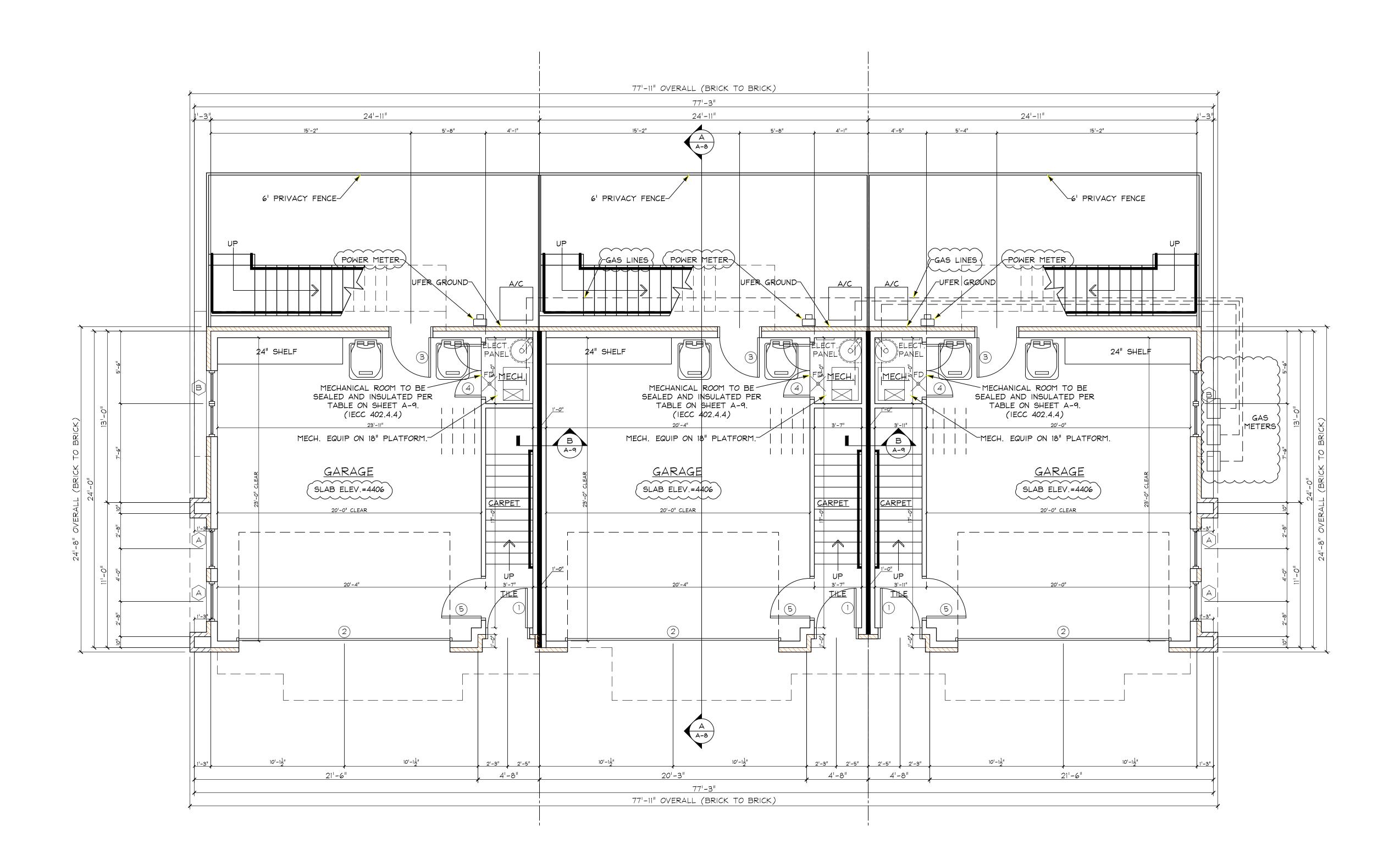
17007R-3PLEX

DATE PRINTED 10/29/2018

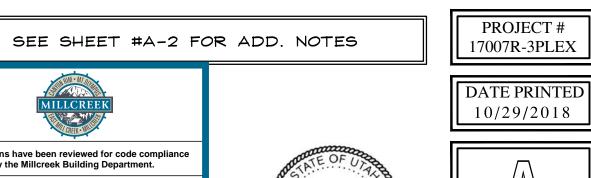
3

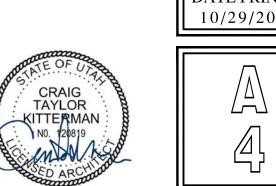






SEE SHEET #A-2 FOR ADD. NOTES

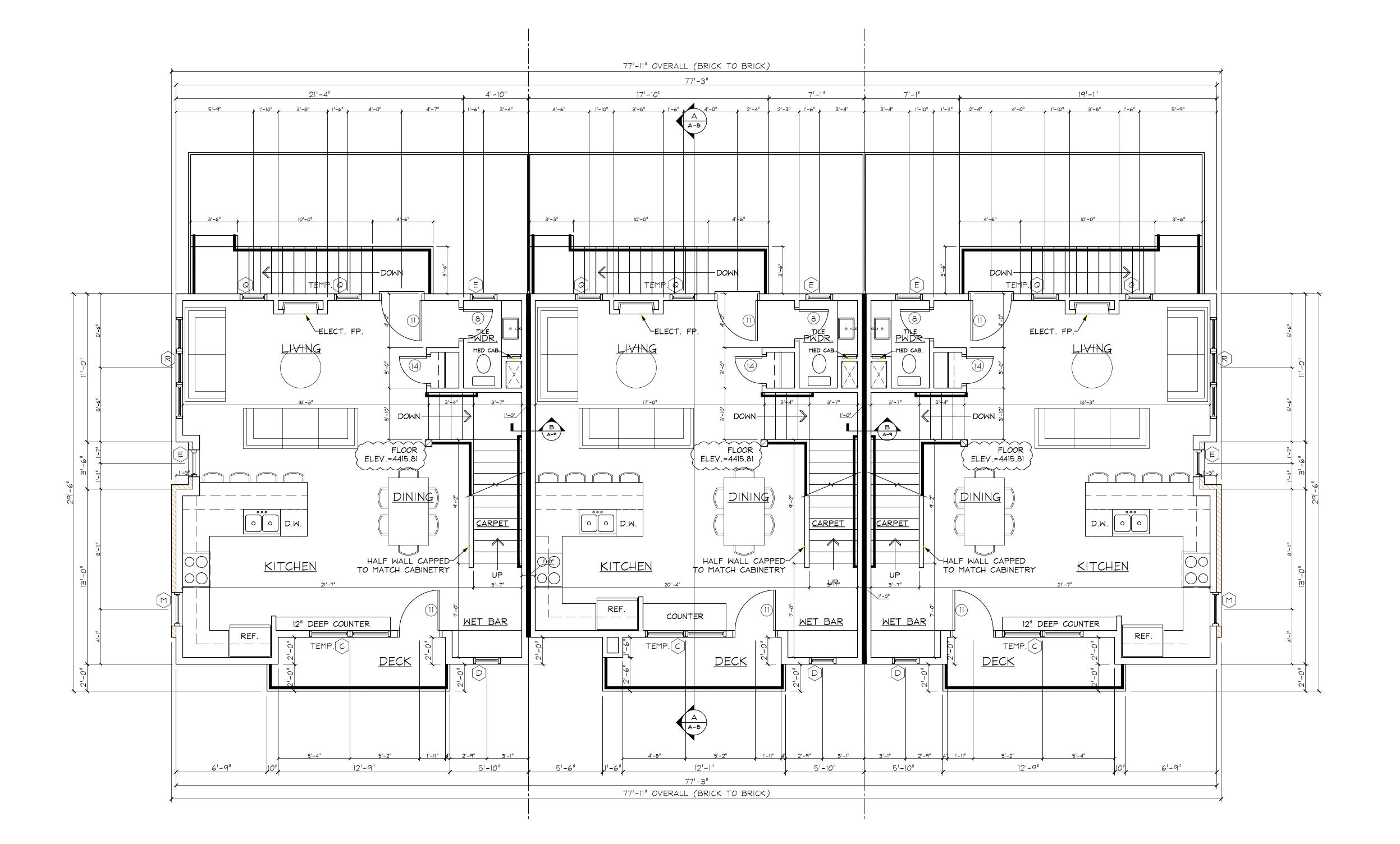


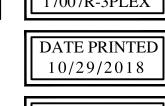


These plans have been reviewed for code compliance by the Millcreek Building Department.

Reviewed by: jhardy 11/05/2018 8:32:42 AM

Permit Number: 182313-182315



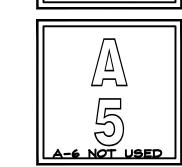


SEE SHEET #A-2 FOR ADD. NOTES

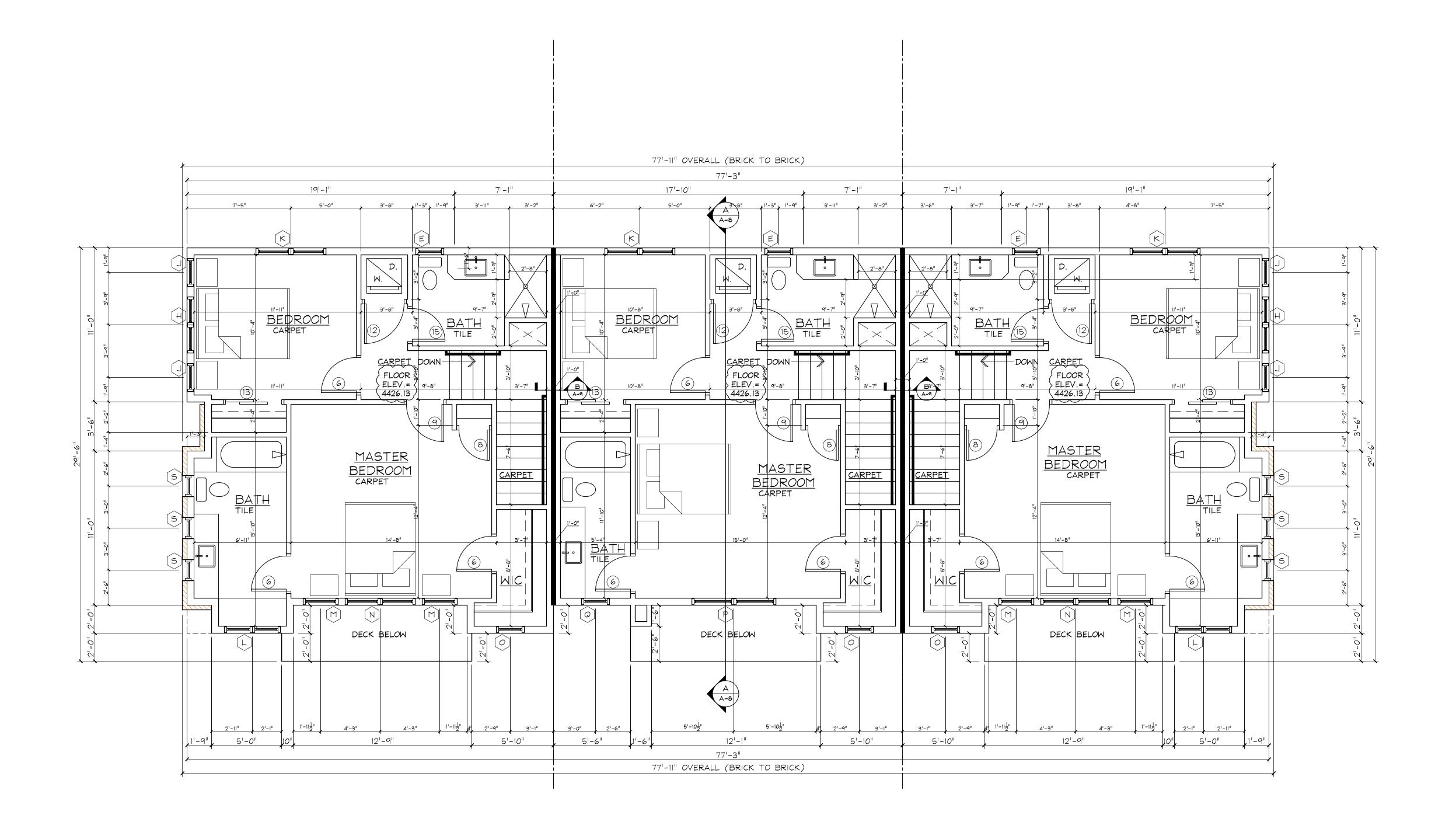
These plans have been reviewed for code compliance by the Millcreek Building Department.

Reviewed by: jhardy 11/05/2018 8:32:42 AM

Permit Number: 182313-182315



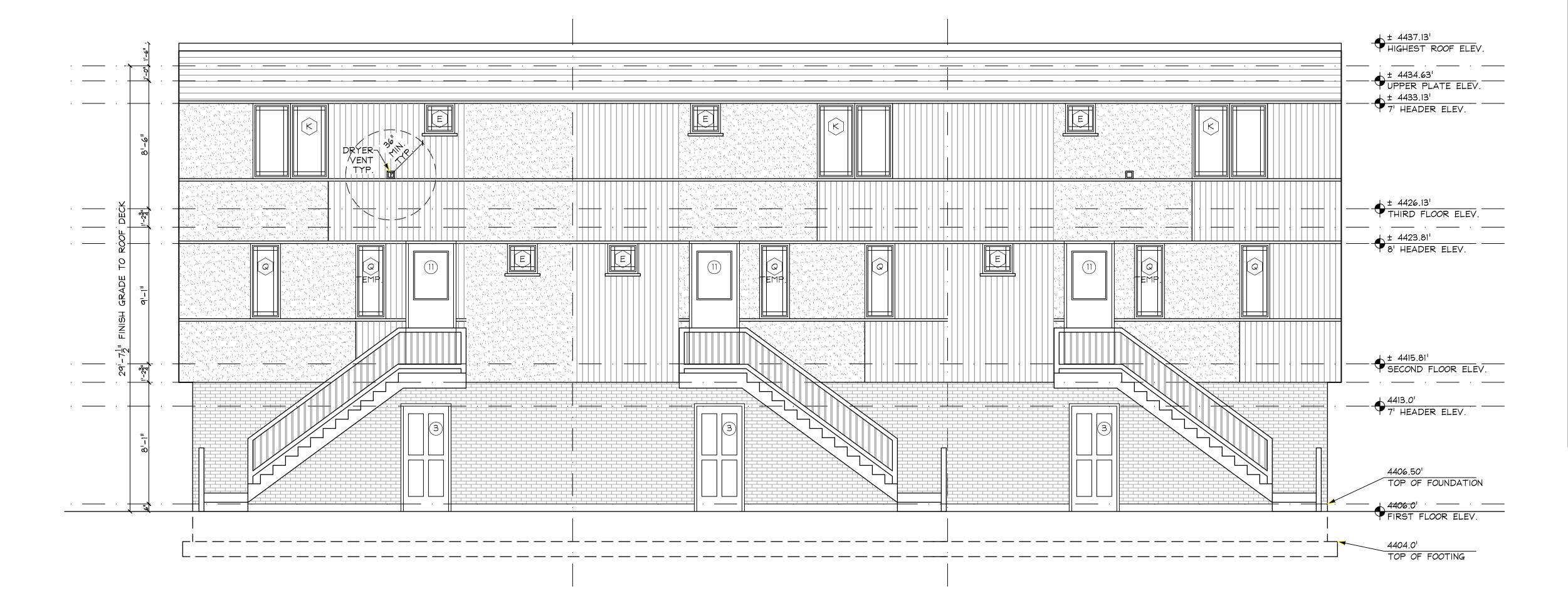
CRAIG TAYLOR KITTERMAN NO. 120819



DATE PRINTED 10/29/2018







DOOR AND WINDOW NOTES

R303.1 - HABITABLE ROOMS

- R310.1 BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE NOT LESS THAN ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING. WHERE BASEMENTS CONTAIN ONE OR MORE SLEEPING ROOMS, AN EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE REQUIRED IN EACH SLEEPING ROOM. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL OPEN DIRECTLY INTO A PUBLIC WAY, OR TO A YARD OR COURT THAT OPENS TO A PUBLIC WAY
- HABITABLE ROOMS SHALL HAVE AN AGGREGATE GLAZING AREA OF NOT LESS THAN 8 PERCENT OF THE FLOOR AREA OF SUCH ROOMS. NATURAL VENTILATION SHALL BE THROUGH WINDOWS, SKYLIGHTS, DOORS, LOUVERS OR OTHER APPROVED OPENINGS TO THE OUTDOOR AIR. SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS OR SHALL OTHERWISE BE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS. THE OPENABLE AREA TO THE OUTDOORS SHALL BE NOT LESS THAN 4 PERCENT OF THE FLOOR AREA BEING VENTILATED.
- EXCEPTIONS: 1. THE GLAZED AREAS NEED NOT BE OPENABLE WHERE THE OPENING IS NOT REQUIRED BY SECTION R310 AND A WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM IS INSTALLED IN ACCORDANCE WITH SECTION M1507.
- 2. THE GLAZED AREAS NEED NOT BE INSTALLED IN ROOMS WHERE EXCEPTION 1 IS SATISFIED AND ARTIFICIAL LIGHT IS PROVIDED CAPABLE OF PRODUCING AN AVERAGE ILLUMINATION OF 6 FOOTCANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL.
- 3. USE OF SUNROOM AND PATIO COVERS, AS DEFINED IN SECTION R202, SHALL BE PERMITTED FOR NATURAL VENTILATION IF IN EXCESS OF 40 PERCENT OF THE EXTERIOR SUNROOM WALLS ARE OPEN, OR ARE ENCLOSED ONLY BY INSECT SCREENING.
- R303.3 BATHROOMS. BATHROOMS, WATER CLOSET COMPARTMENTS AND OTHER SIMILAR ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING AREA IN WINDOWS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF OF WHICH MUST BE
- EXCEPTION: THE GLAZED AREAS SHALL NOT BE REQUIRED WHERE ARTIFICIAL LIGHT AND A LOCAL EXHAUST SYSTEM ARE PROVIDED. THE MINIMUM LOCAL EXHAUST RATES SHALL BE DETERMINED IN ACCORDANCE WITH SECTION M1507. EXHAUST AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTDOORS.
- WINDOW HEADS ARE TO BE DOOR HEIGHT. BEDROOM WINDOW SILLS SHALL BE
- ALL WINDOWS SHALL BE DOUBLE GLAZED WITH 1/2" MINIMUM AIR SPACE AND SHALL CONFORM TO I.R.C.
- GLASS USED IN SHOWER DOORS OR TUB ENCLOSURES SHALL BE NOT LESS THAN 3/16" THICK WHEN FULLY TEMPERED OR 1/4" THICK WHEN LAMINATED.
- PROVIDE SCREENS ON ALL DOORS AND OPERABLE WINDOWS.
- PROVIDE PROPER FLASHING AND COUNTER FLASHING AROUND WINDOWS AND DOORS

HAZARDOUS GLAZING LOCATIONS

R308.4 HAZARDOUS LOCATIONS. THE LOCATIONS SPECIFIED IN SECTIONS R308.4.1 THROUGH R308.4.7 SHALL BE

CONSIDERED TO BE SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSE OF

- R308.4.1 GLAZING IN DOORS

 GLAZING IN FIXED AND OPERABLE PANELS OF SWINGING, SLIDING, AND BIFOLD

 TO BE A HAZARDOUS LOCATION. EXCEPTIONS:
- 1. GLAZED OPENING OF A SIZE THROUGH WHICH A 3-INCH-DIAMETER SPHERE IS UNABLE TO PASS. 2. DECORATIVE GLAZING.

- R308.4.2 GLAZING ADJACENT TO DOORS.
 GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR SHALL BE CONSIDERED A HAZARDOUS LOCATION WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE AND IT MEETS EITHER OF THE FOLLOWING CONDITIONS:
- 1. WHERE THE GLAZING IS WITHIN 24 INCHES OF EITHER SIDE OF THE DOOR IN THE PLANE OF THE DOOR IN A CLOSED POSITION.
- 2. WHERE THE GLAZING IS ON A WALL PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION AND WITHIN 24 INCHES OF THE HINGE SIDE OF AN IN-SWINGING DOOR.

1. DECORATIVE GLAZING.

- 2. WHERE THERE IS AN INTERVENING WALL OR OTHER PERMANENT BARRIER BETWEEN THE DOOR AND THE GLAZING. 3. WHERE ACCESS THROUGH THE DOOR IS TO A CLOSET OR STORAGE AREA 3 FEET OR LESS IN DEPTH. GLAZING IN THIS APPLICATION SHALL COMPLY WITH SECTION
- 4. GLAZING THAT IS ADJACENT TO THE FIXED PANEL OF PATIO DOORS.

- GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION:
- 1. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS LARGER THAN 9 SQ. FT. 2. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE THE FLOOR. 3. THE TOP EDGE OF THE GLAZING IS MORE THAN 36 INCHES ABOVE THE FLOOR;
- 4. ONE OR MORE WALKING SURFACES ARE WITHIN 36 INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE GLAZING.

R308.4.4 GLAZING IN GUARDS AND RAILINGS.

GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL PANELS, REGARDLESS OR AREA OR HEIGHT ABOVE WALKING SURFACE SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION.

R308.4.5 GLAZING AND WET SURFACES. GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING

- IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION. THIS EXCEPTION: GLAZING THAT IS MORE THAN 60 INCHES, MEASURED HORIZONTALLY
- AND IN A STRAIGHT LINE, FROM THE WATER'S EDGE OF A BATHTUB, HOT TUB, SPA, WHIRLPOOL OR SWIMMING POOL OR FROM THE EDGE OF A SHOWER, SAUNA OR STEAM ROOM.

R308.4.6 GLAZING ADJACENT TO STAIRS AND RAMPS. GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36

- INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS AND RAMPS SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION.
 - SEE CODE FOR EXCEPTIONS.
- R308.4.7 GLAZING ADJACENT TO THE BOTTOM STAIR LANDING GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A STAIRWAY WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60-INCH HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION.
- EXCEPTION: THE GLAZING IS PROTECTED BY A GUARD COMPLYING WITH SECTION R312 AND THE PLANE OF THE GLASS IS MORE THAN 18 INCHES FROM THE GUARD.





These plans have been reviewed for code complianc by the Millcreek Building Department.

Reviewed by: jhardy 11/05/2018 8:32:42 AM Permit Number: 182313-182315

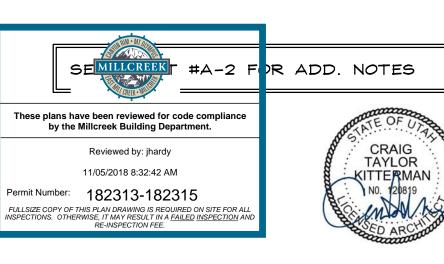


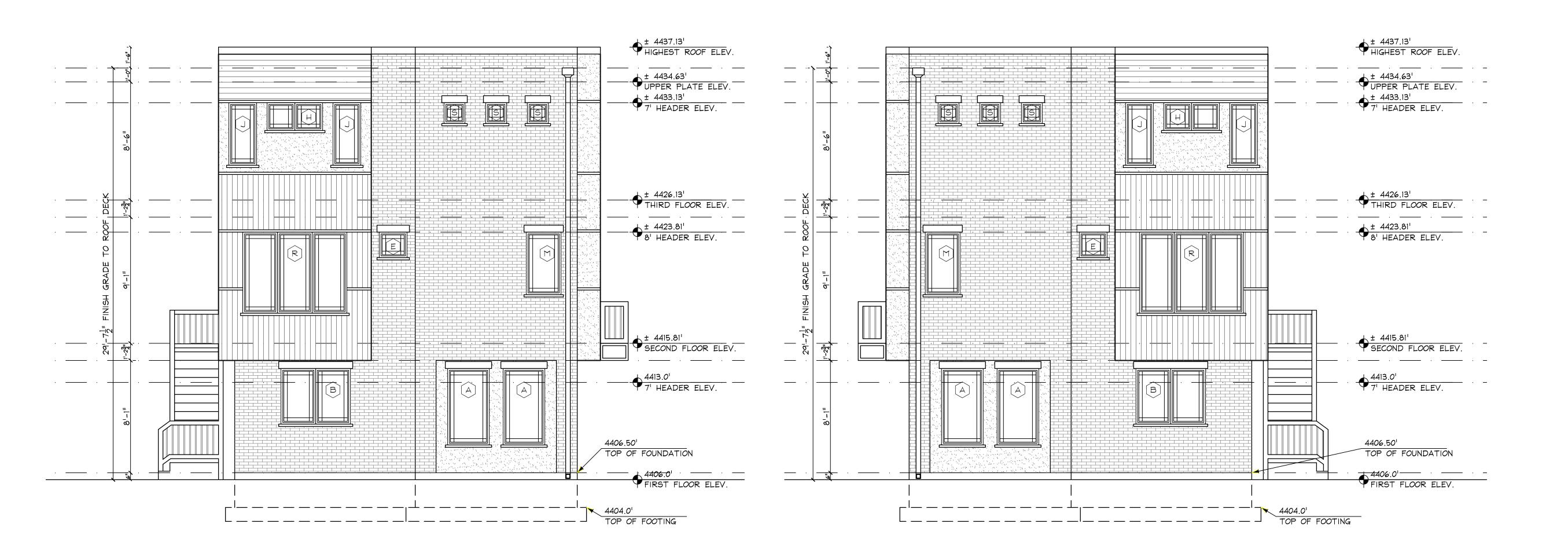
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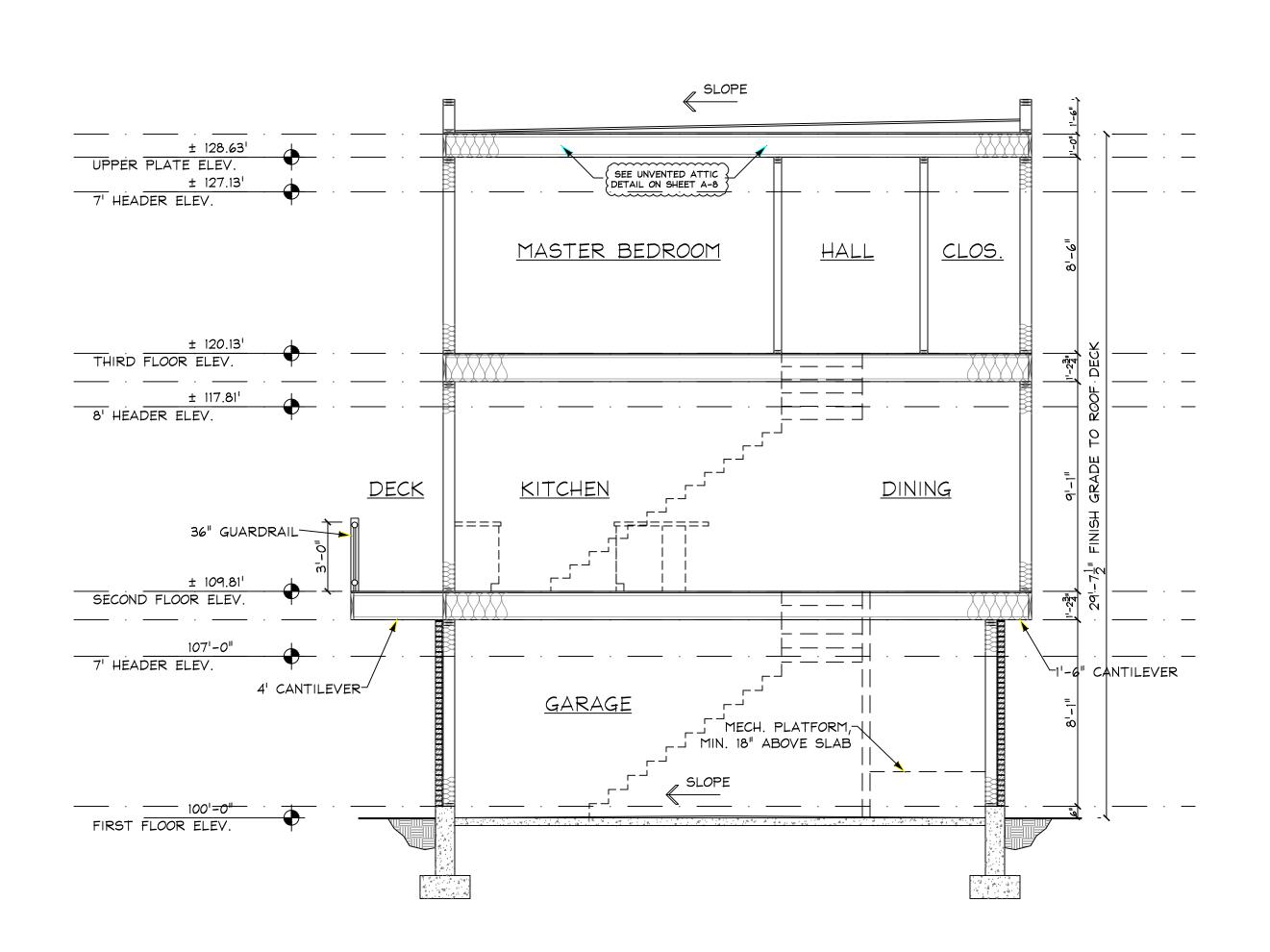
DATE PRINTED

10/29/2018









CROSS SECTION "A"

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