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Issues and Revisions

Date	Issued / Revised
3/16/2020	50% CONSTRUCTION DOCS
5/18/2020	80% CONSTRUCTION DOCS
7/13/2020	PERMIT SUBMISSION

BUILDING ADDRESSES

TYPE G2	442, 444, 446, 448 RATLIFF LANE 324, 236, 238, 330 SHAWNEE PLACE
TYPE A1A	378, 448 VANCE AVE 314, 304 FOOT LANE 333 S DANNY THOMAS BLVD
TYPE A1C	368, 431 VANCE AVE 375 SHAWNEE PLACE
TYPE A1A	321 SHAWNEE PLACE 450, 300 FOOT LANE 345 S DANNY THOMAS BLVD
TYPE A1A	402, 406 FOOT LANE

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Seal

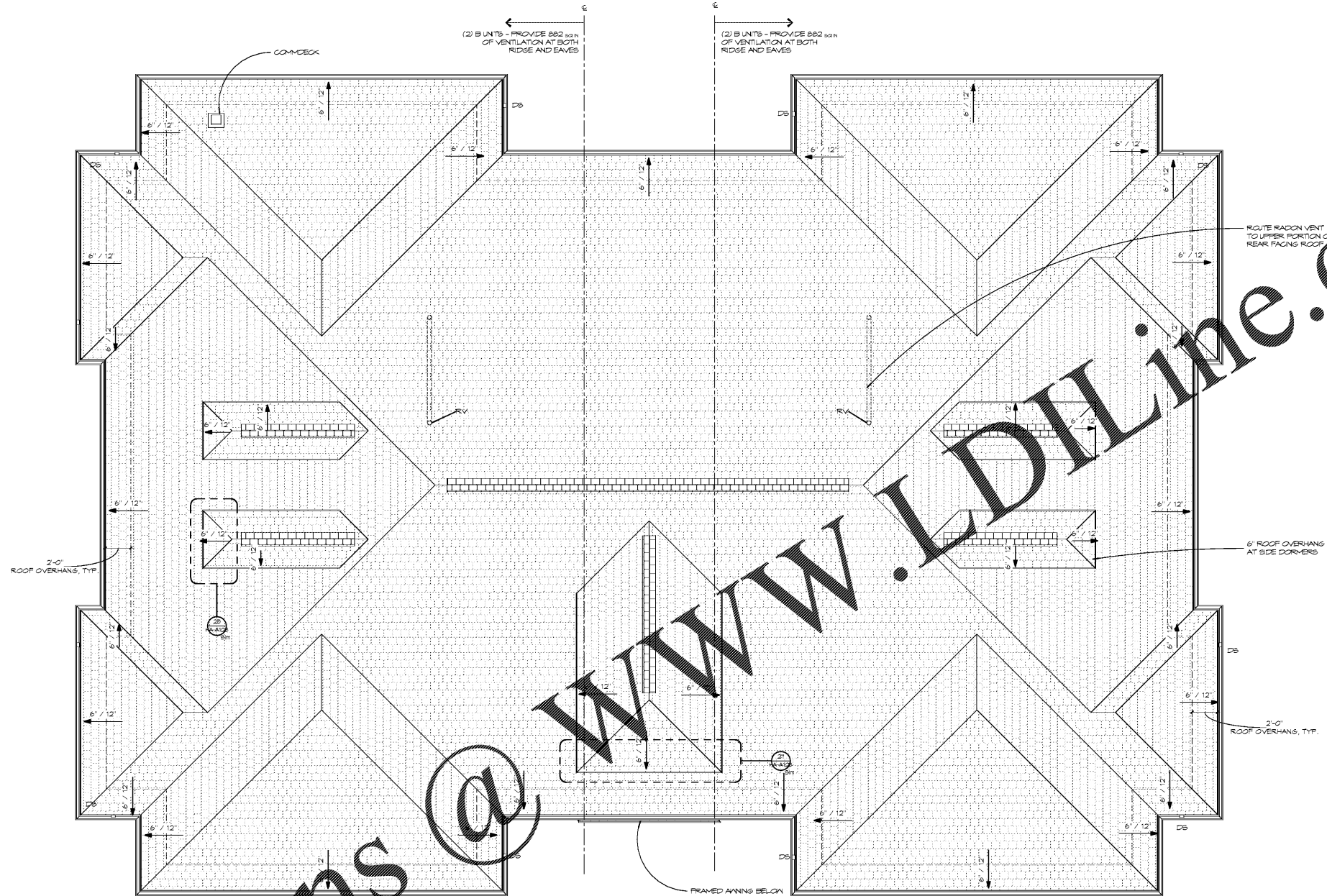


LRK Project Number: 01.15100.43

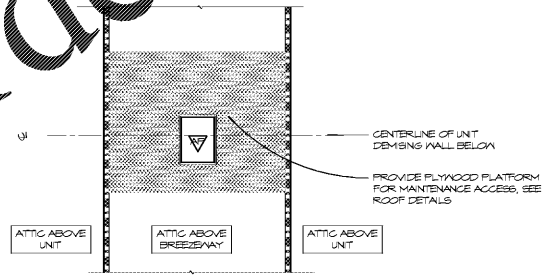
Project Name:
South City CNI Phase 4
Memphis TN

Drawing Name:
ROOF PLAN

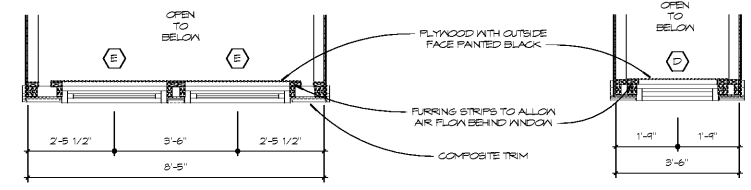
Drawn By: ADB
Checked By: HJL



26 HA ROOF PLAN
SCALE: 1/4" = 1'-0"



26 HA PARTIAL ATTIC PLAN
SCALE: 1/4" = 1'-0"



27 HA-DOUBLE WINDOW DORMER
SCALE: 1/2" = 1'-0"

28 HA-SINGLE WINDOW DORMER
SCALE: 1/2" = 1'-0"

GENERAL GUTTERS AND DOWNSPOUT CALCULATIONS
 RAINFALL INTENSITY FOR MEMPHIS, TN: 1.4 IN/HR
 GUTTER TYPE: 9" K-SHIELD, PROVIDES 3,500 SF OF DRAINAGE AREA
 3,500 / 1.4 = 250 SF MAXIMUM OF ROOF AREA BETWEEN DOWNSPOUTS
 DOWNSPOUT TYPE: 4" ROUND DOWNSPOUT
 AREA OF CROSS SECTION: 1'00" = 87 SF OF RAIN TO DRAIN IN DOWNSPOUT
 1250 x 100 = 1,250 SF
BUILDING HA CALCULATIONS
 ROOF SLOPE: 6/12, REQUIRES 1:1 PITCH FACTOR
 ROOF AREA: 2,100 SF
 2,100 x 1.1 = 2,310 SF / 140 SF = 9.11
 REQUIRES 9 DOWNSPOUTS

- ROOF NOTES**
- PROVIDE VENTILATION IN ROOF SHEATHING AT NOTED LOCATIONS PER RIDGE VENT DETAIL. WHERE RIDGE VENT IS INTERRUPTED BY FIRE RATED ROOF SHEATHING AT TOWNHOME, INSTALL CONTINUOUS RIDGE VENT BUT DO NOT CUT ROOF DECK AT RIDGE VENT. SHIELDS TO BE INSTALLED WITH DOWN VALLETS AND SELF-ANCHORING ICE DAM EXTENDING 15" UP EACH SIDE OF VALLETT.
 - REFER TO MEP DRAWINGS FOR LOCATION OF ROOF PENETRATIONS.
 - ALL ROOF VENTS TO OCCUR ON NON-STREET FACING ROOF SLOPES, AND MUST BE BLACK ADS WITH BLACK REPAIR/FLASHING BOOT.
 - EXTERIOR WALL SHEATHING TO EXTEND TO UNDERSIDE OF ROOF DECK. PROVIDE OPENINGS TO ALLOW FOR ATTIC VENTILATION. SEE BELOW.
 - PROVIDE ROOF-CUT FLASHING AT ALL WALL TO EAVE CONDITIONS. SEE ROOF DETAIL FOR FLASHING DIAGRAM.
 - SOFFITS TO BE VENTILATED DECEASED VENTL AT ALL ROOF SOFFITS AND PORCH CEILING. SEE DETAILS AND SPEC'S.
 - CORNER WINDOWS DESIGNED TO ALLOW AIR TO FLOW FROM ATTIC OUT THROUGH THE CORNER RIDGE VENT. DO NOT CONSTRUCT AN 'OVERBUILD' ON ROOF SHEATHING. SEE ELEVATIONS FOR DORMER WINDOW TYPES AND LOCATIONS.
 - THE END OF ANY RACON VENT STACK PIPE SHALL BE 10FT OR MORE AWAY FROM ANY WINDOW, DOOR, OR OTHER OPENING INTO CONDITIONED OR OTHERWISE OCCUPABLE SPACE.

PER IRC 1203 AND IRC 306:
 ENGULGED ATTICS SHALL HAVE VENTILATION FOR EACH SEPARATE SPACE BY OPENINGS PROTECTED AGAINST ENTRANCE OF RAIN AND SNOW. NET AREA SHALL BE NOT LESS THAN 1/150TH OF AREA OF SPACE VENTILATED.
 CONTRACTOR TO VERIFY NET FREE AREA OF RIDGE VENT PROVIDES SPECIFIED VENTILATION AREA BELOW. WHERE MULTIPLE UNITS ARE ENCLOSED IN A SINGLE ATTIC SPACE, ADD REQUIRED VENTILATION AREAS TOGETHER, WHERE LINEAR LENGTH OF RIDGE DOES NOT PROVIDE ADEQUATE VENTILATION, AREA, PROVIDE LOW PROFILE ROOF VENTS WITHIN 3 FEET OF THE RIDGE OR HIGHEST POINT OF ROOF. ALL VENTS TO BE LOCATED ON REAR/NON STREET FACING SIDE OF ROOF.

UNIT BASE	MAX AREA	RIDGE VENT / SOFFIT VENTILATION AREA (PROVIDE AT BOTH LOCATIONS)
A	108 SF	41 SF
B	411 SF	238 SF/384 SQ IN
C, D, E	200 SF	3,00 SF/441 SQ IN
F	600 SF	4,22 SF/601 SQ IN
G	600 SF	4,22 SF/601 SQ IN
H	250 SF	2,10 SF/293 SQ IN
I	250 SF	2,08 SF/291 SQ IN