



Saint Paul Heritage Preservation Commission



April 12, 2018

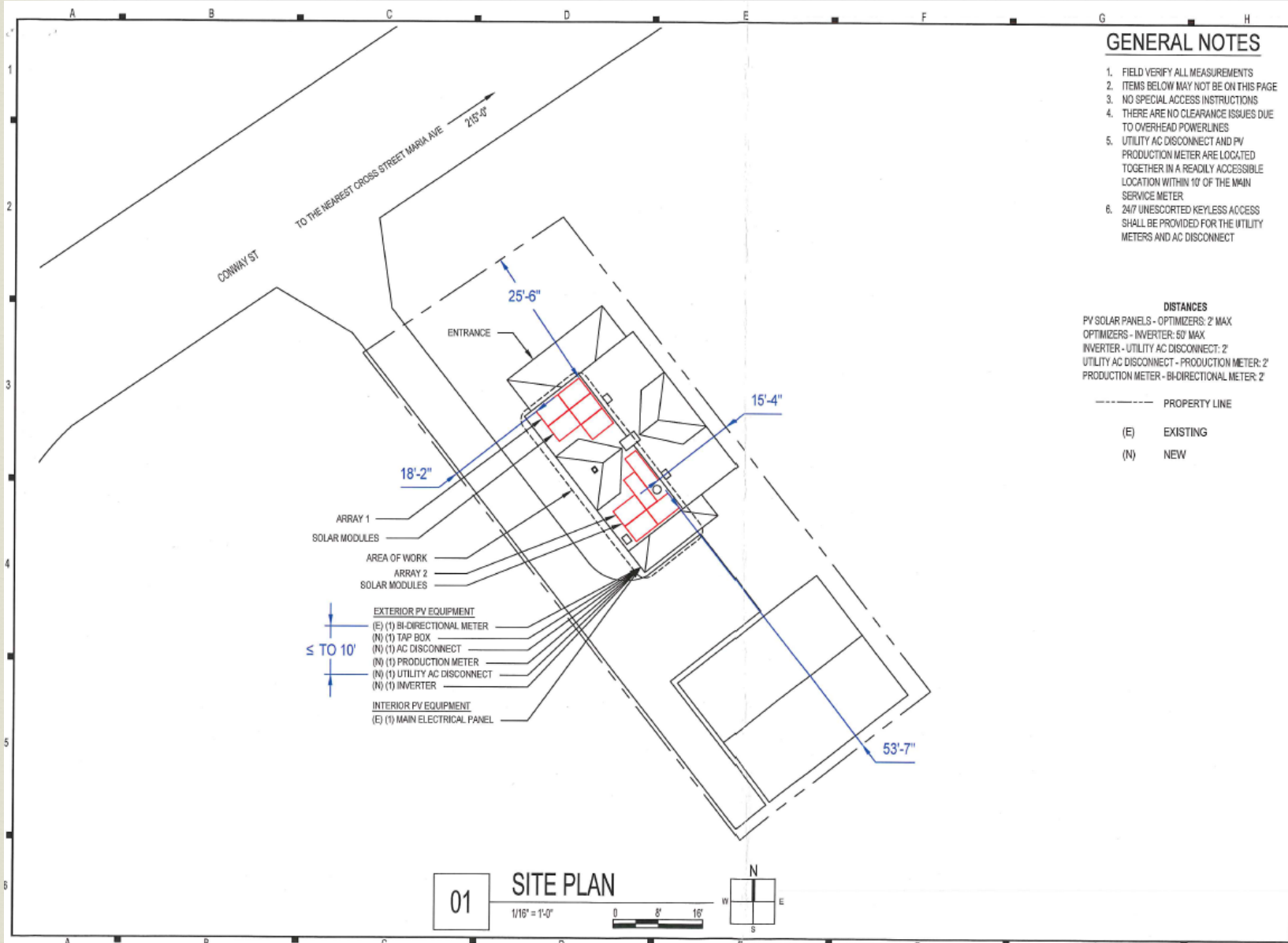
HPC Business Meeting

662 Conway Street



Solar Installation Application – HPC File #10-019

662 Conway Street



GENERAL NOTES

1. FIELD VERIFY ALL MEASUREMENTS
2. ITEMS BELOW MAY NOT BE ON THIS PAGE
3. NO SPECIAL ACCESS INSTRUCTIONS
4. THERE ARE NO CLEARANCE ISSUES DUE TO OVERHEAD POWERLINES
5. UTILITY AC DISCONNECT AND PV PRODUCTION METER ARE LOCATED TOGETHER IN A READILY ACCESSIBLE LOCATION WITHIN 10' OF THE MAIN SERVICE METER
6. 24/7 UNSCORTED KEYLESS ACCESS SHALL BE PROVIDED FOR THE UTILITY METERS AND AC DISCONNECT

DISTANCES

- PV SOLAR PANELS - OPTIMIZERS: 2' MAX
- OPTIMIZERS - INVERTER: 50' MAX
- INVERTER - UTILITY AC DISCONNECT: 2'
- UTILITY AC DISCONNECT - PRODUCTION METER: 2'
- PRODUCTION METER - BI-DIRECTIONAL METER: 2'

- PROPERTY LINE
- (E) EXISTING
- (N) NEW



CONTRACTOR

ALL ENERGY SOLAR

PHONE: 8006203370
 ADDRESS: 1642 CARROLL AVE
 ST PAUL, MN 55104

UNAUTHORIZED USE OF THIS DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO CIVIL DAMAGES AND PROSECUTIONS.

NEW PV SYSTEM: 3.950 kWp

ERIK BERGER
 - 20586

662 CONWAY ST
 ST PAUL, MN 55106
 APN: 322922410076

ENGINEER OF RECORD

ACCOUNT#: ERIK BERGER
 PREMISE #: 302818102
 METER #: 90808037
 OID #: 3284705

PAPER SIZE: 11" x 17" (ANSI B)

SITE PLAN

DATE: 2.6.2018
 DESIGN BY: O.K.
 CHECKED BY: M.M.
 REVISIONS

A-101.00
 (SHEET 3)

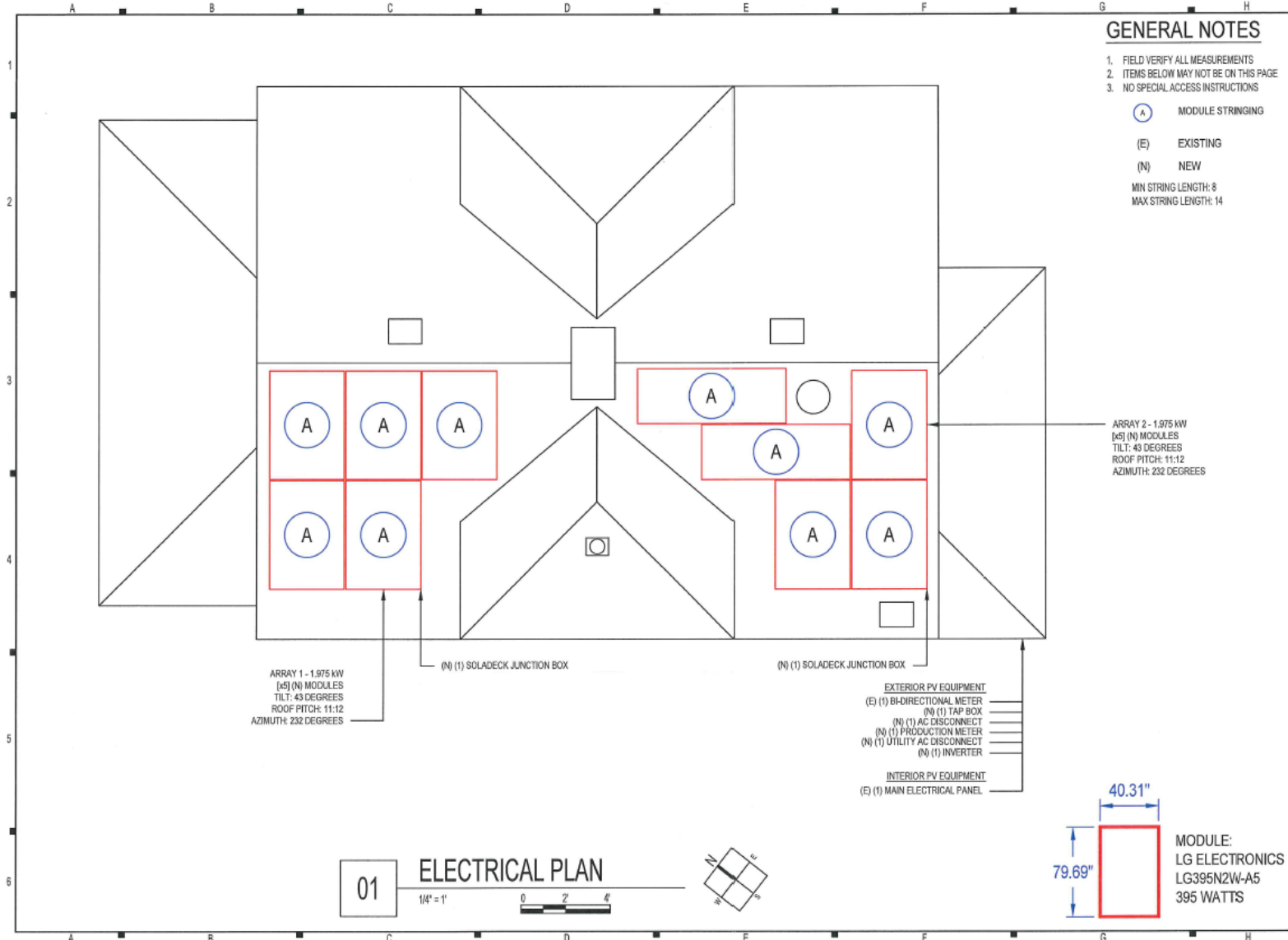
01 SITE PLAN

1/16" = 1'-0"

0 8' 16'

N
W E
S

662 Conway Street



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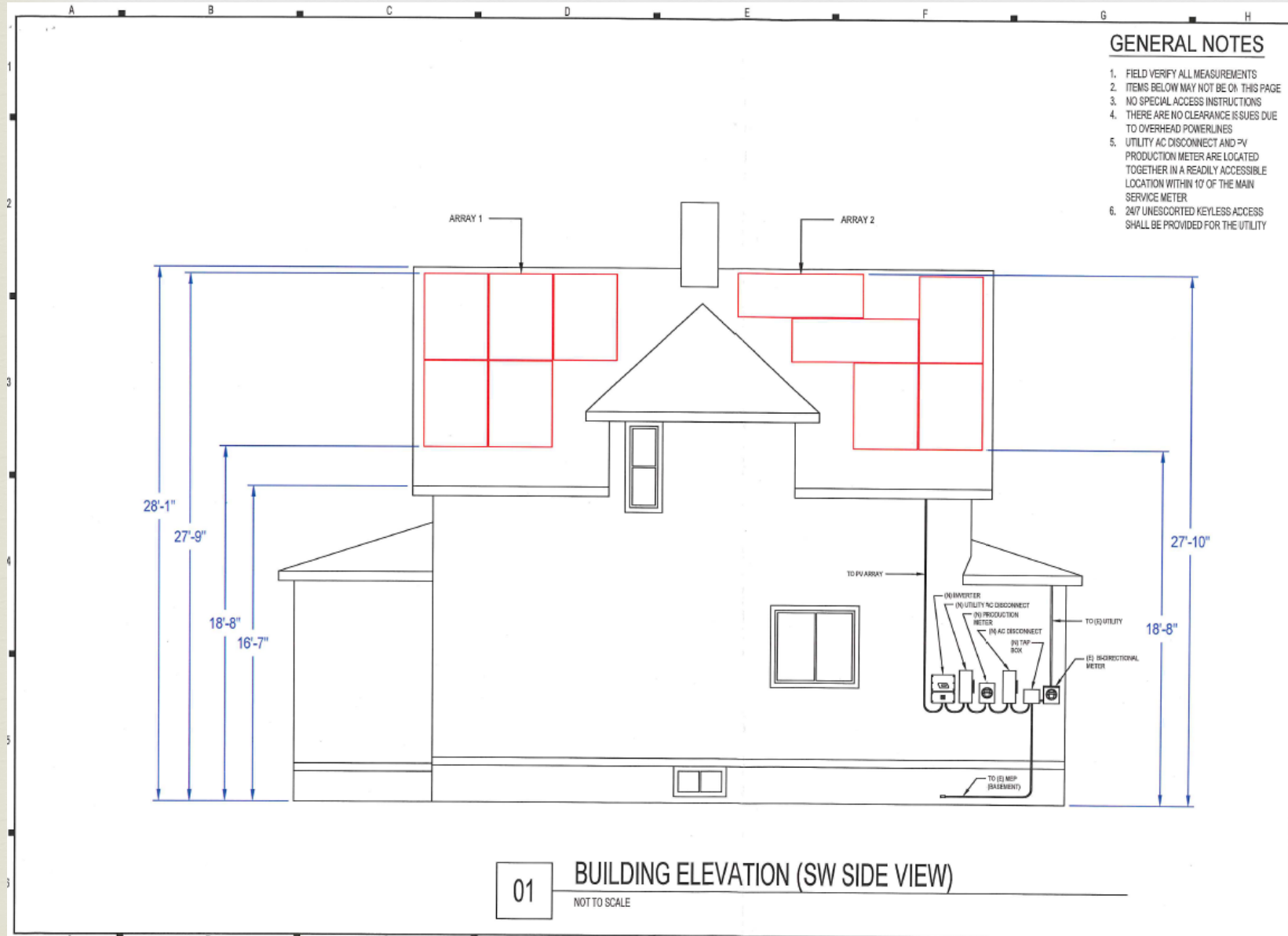
PAPER SIZE: 11" x 17" (ANSI B)

ELECTRICAL PLAN

DATE: 2.6.2018
 DESIGN BY: O.K.
 CHECKED BY: M.M.
 REVISIONS

A-102.00
 (SHEET 4)

662 Conway Street



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 ST PAUL, MN 55104

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NEW PV SYSTEM: 3.95C

ERIK BERGER
 - 20586

662 CONWAY ST
 ST PAUL, MN 55106
 APN: 322922410076

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

ELEVATION PLAN

DATE: 2.8.2018

DESIGN BY: O.K.

CHECKED BY: M.M.

REVISIONS

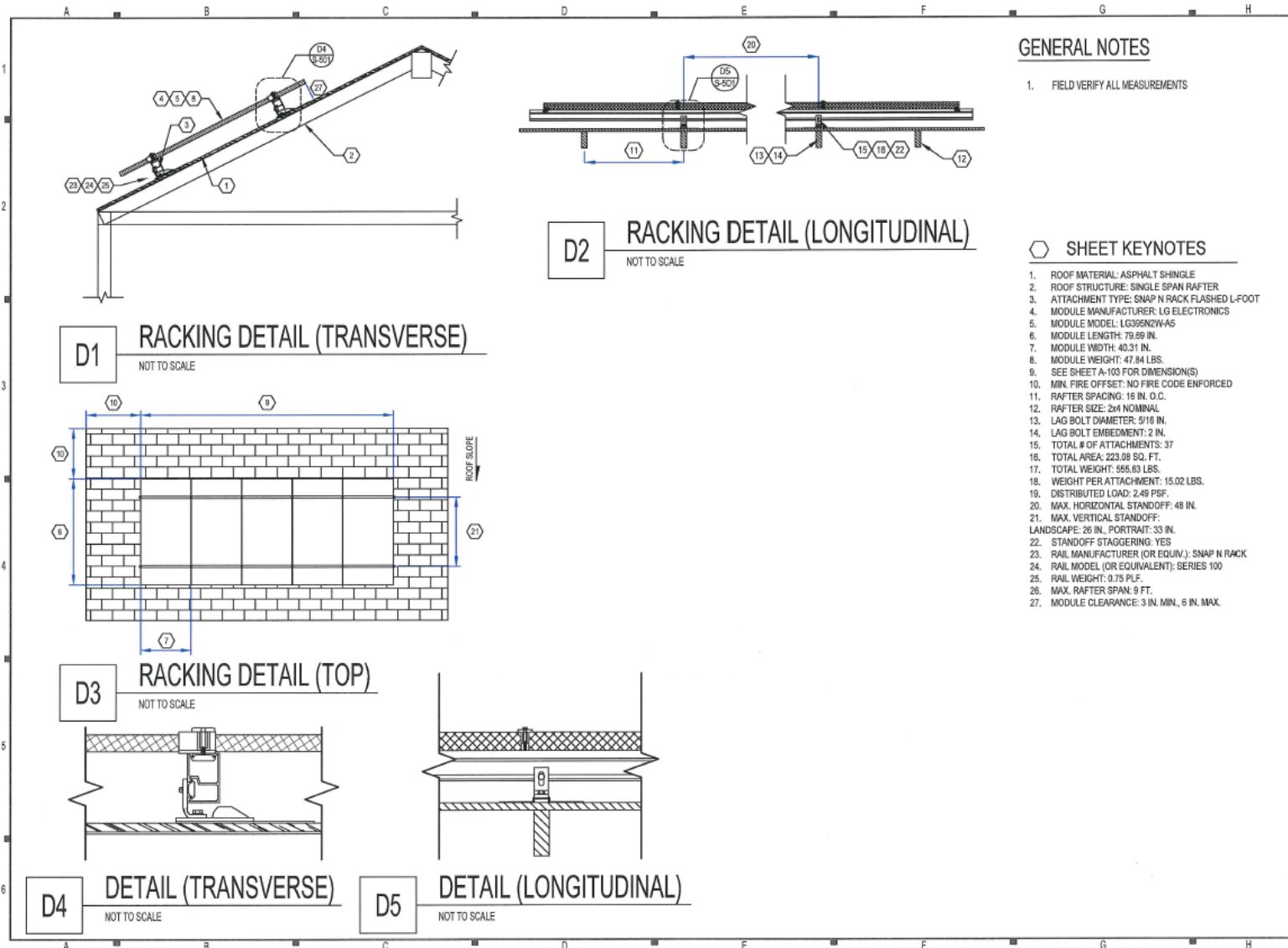
01

BUILDING ELEVATION (SW SIDE VIEW)

NOT TO SCALE

A-104.00

662 Conway Street



GENERAL NOTES

1. FIELD VERIFY ALL MEASUREMENTS

SHEET KEYNOTES

1. ROOF MATERIAL: ASPHALT SHINGLE
2. ROOF STRUCTURE: SINGLE SPAN RAFTER
3. ATTACHMENT TYPE: SNAP N RACK FLASHED L-FOOT
4. MODULE MANUFACTURER: LG ELECTRONICS
5. MODULE MODEL: LG355N2W-W4S
6. MODULE LENGTH: 75.69 IN.
7. MODULE WIDTH: 40.31 IN.
8. MODULE WEIGHT: 47.84 LBS.
9. SEE SHEET A-103 FOR DIMENSION(S)
10. MIN. FIRE OFFSET: NO FIRE CODE ENFORCED
11. RAFTER SPACING: 16 IN. O.C.
12. RAFTER SIZE: 2x4 NOMINAL
13. LAG BOLT DIAMETER: 5/16 IN.
14. LAG BOLT EMBEDMENT: 2 IN.
15. TOTAL # OF ATTACHMENTS: 37
16. TOTAL AREA: 223.08 SQ. FT.
17. TOTAL WEIGHT: 955.83 LBS.
18. WEIGHT PER ATTACHMENT: 15.02 LBS.
19. DISTRIBUTED LOAD: 2.46 PSF
20. MAX. HORIZONTAL STANDOFF: 48 IN.
21. MAX. VERTICAL STANDOFF: LANDSCAPE: 26 IN., PORTRAIT: 33 IN.
22. STANDOFF STAGGERING: YES
23. RAIL MANUFACTURER (OR EQUIV.): SNAP N RACK
24. RAIL MODEL (OR EQUIVALENT): SERIES 100
25. RAIL WEIGHT: 0.75 PLF
26. MAX. RAFTER SPAN: 9 FT.
27. MODULE CLEARANCE: 3 IN. MIN., 6 IN. MAX.



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ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

ASSEMBLY DETAILS

DATE: 2.6.2018

DESIGN BY: O.K.

CHECKED BY: M.M.

REVISIONS

S-501.00

(SHEET 11)

662 Conway Street



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