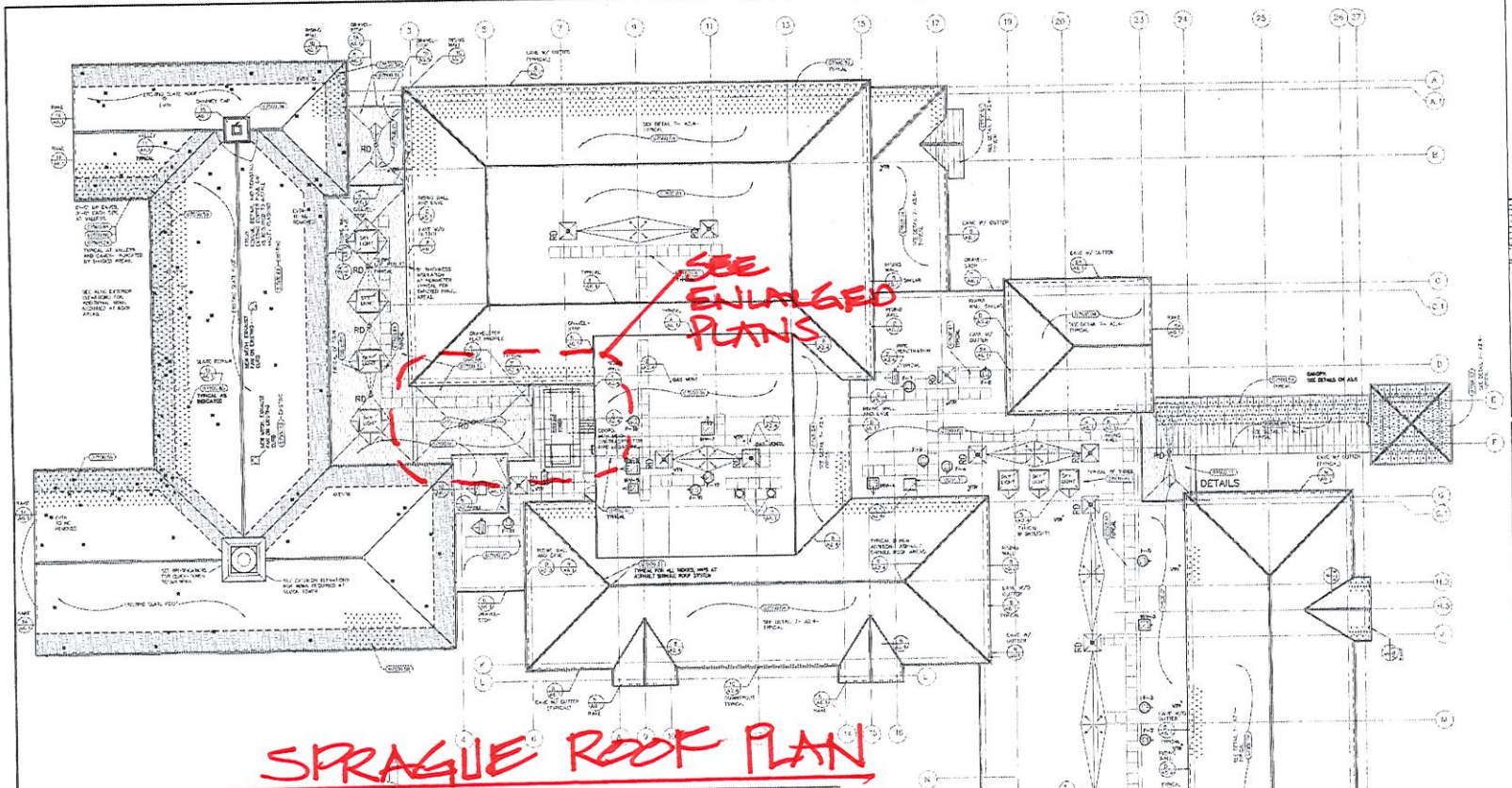
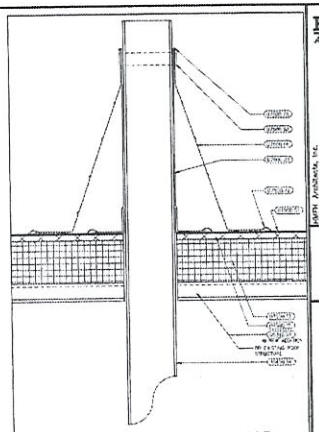
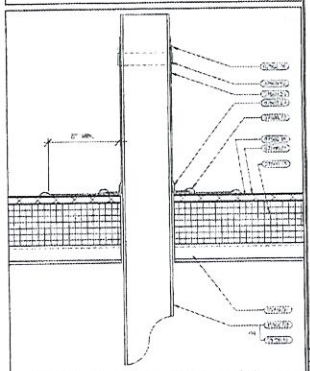
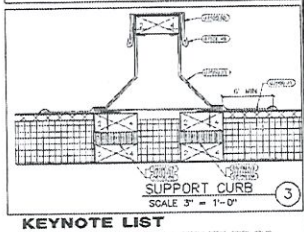




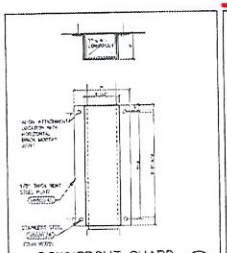
TYPICAL VENT THROUGH ROOF (1)
SCALE 3" = 1'-0"



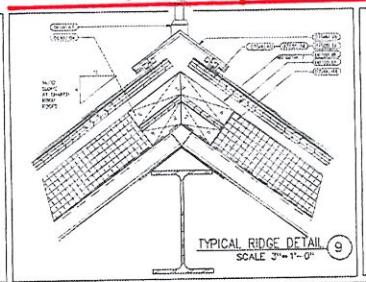
TYPICAL PIPE OR COLUMN SEAL (2)
SCALE 3" = 1'-0"



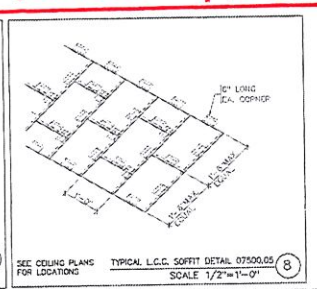
SUPPORT CURB (3)
SCALE 3" = 1'-0"



DOWNSPOUT GUARD (10A)
1 1/2"=1'-0"

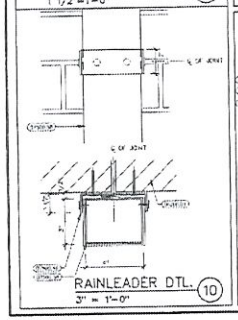


TYPICAL RIDGE DETAIL (9)
SCALE 3"=1'-0"

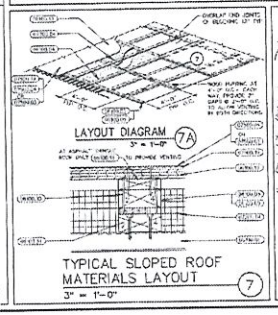


SEE CEILING PLANS FOR LOCATIONS

TYPICAL L.C.C. SOFFIT DETAIL 07500,05 (8)
SCALE 1/2"=1'-0"

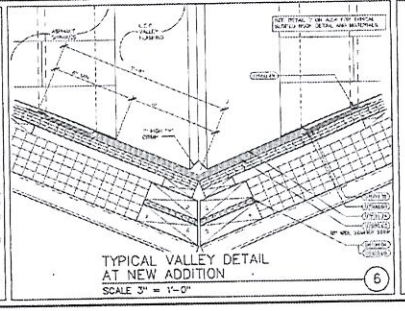


RAINLEADER DTL. (10)
3" = 1'-0"

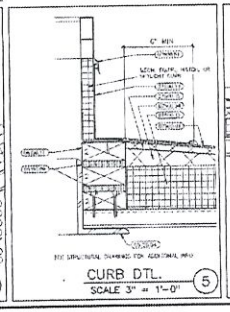


LAYOUT DIAGRAM (7A)
3" = 1'-0"

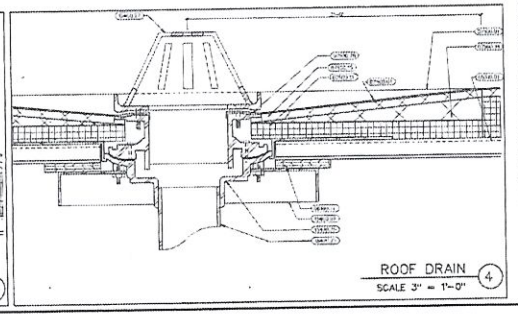
TYPICAL SLOPED ROOF MATERIALS LAYOUT (7)
3" = 1'-0"



TYPICAL VALLEY DETAIL AT NEW ADDITION (6)
SCALE 3" = 1'-0"



CURB DTL. (5)
SCALE 3" = 1'-0"



ROOF DRAIN (4)
SCALE 3" = 1'-0"

KEYNOTE LIST

KEYNOTES SHOWN PRIOR TO WORK & SPECIFICATION SECTIONS 07500, 07600, 07900.

- 06100.01 WOOD WATER WALL CONSTRUCTION
- 07210.01 SOFT INSULATION
- 07510.01 STEEL FRAMING FOR MECHANICAL EQUIPMENT
- 07600.01 FELT, BONDERFIN & GLASS
- 07600.02 FLASHING, PROVIDE AS NECESSARY
- 07600.03 SHEET METAL
- 07610.01 2" 1" COPPER GUTTER
- 07610.02 2" 1" 6 FINISHED GUTTER
- 07610.03 2" 1" PLANTER
- 07610.04 DOWN PROTECTOR
- 07610.05 2" 1" 6 FINISHED DOWNSPOUT
- 07610.06 2" WOOD BLOCKING, SIZE AS REQUIRED
- 07610.07 WOOD BLOCKING
- 07610.08 WOOD NAILER
- 07610.09 TRIANGLE DECK FASTENERS, AS REQUIRED
- 07610.10 3" 1" WOOD TRIM INSULATION
- 07610.11 LOW PROFILE DECK
- 07610.12 ROOF DRAIN, COMPLETE WITH FOOT AND SYSTEM
- 07610.13 SURFACE SPRAYED FOAM
- 07610.14 ROOF INSULATION, INSULATION
- 07610.15 FINISHED FLUE INSULATION
- 07610.16 3" 1" ROOF TRUSS INSULATION
- 07610.17 FINISHED FOAM WOOD
- 07610.18 FOAM FELT
- 07610.19 FOAM BASE FLASHING
- 07610.20 SEAM-SEALED EDGE FLASHING
- 07610.21 HACKMAN FLASHING WITH SUPPORTS
- 07610.22 DRAIN FLUE CLAMP
- 07610.23 SEAM-SEALED COPPER HEATING ROOF CAP
- 07610.24 SEAM-SEALED COPPER DRAIN
- 07610.25 2" TRIM 1" 1" CUPS @ 24" O.C.
- 07610.26 FOAM FLASHING
- 07610.27 STAINLESS STEEL COILED
- 07610.28 SEAM-SEALED LAMINA BONDERFIN
- 07610.29 AIR VENTS
- 07610.30 FOAM FLASHING SHIELD
- 07610.31 DRAIN FLASHING
- 07610.32 OPEN PREFABRICATED PIPE SLEEVE
- 07610.33 DRAIN CAP TO DRAIN
- 07610.34 WATER SUPPLY VALVES
- 07610.35 PROPANE PIPING, PROVIDE MECHANICAL TEE
- 07610.36 ROOF DRAIN, SELECT SIMILAR AS REQUIRED TO MEET NEW SLOPES
- 07610.37 DRAIN, SIMILAR TO EXISTING ROOF DRAIN, PROVIDE NEW SLOPE TO DRAIN
- 07610.38 4" 4" FLUTE DOWNSPOUT
- 07610.39 ROOF WINDOWS
- 07610.40 ROOF DRAIN
- 07610.41 ROOF DRAIN STOP
- 07610.42 ROOF DRAIN DOWNSPOUT
- 07610.43 ROOF DRAIN CONE
- 07610.44 ROOF PIPING
- 07610.45 ROOFTOP VENTILATION HOOD

HMFH Architects

HMFH Architects, Inc.

Addition and Renovations to the
Sprague Elementary School
Wellesley, Massachusetts

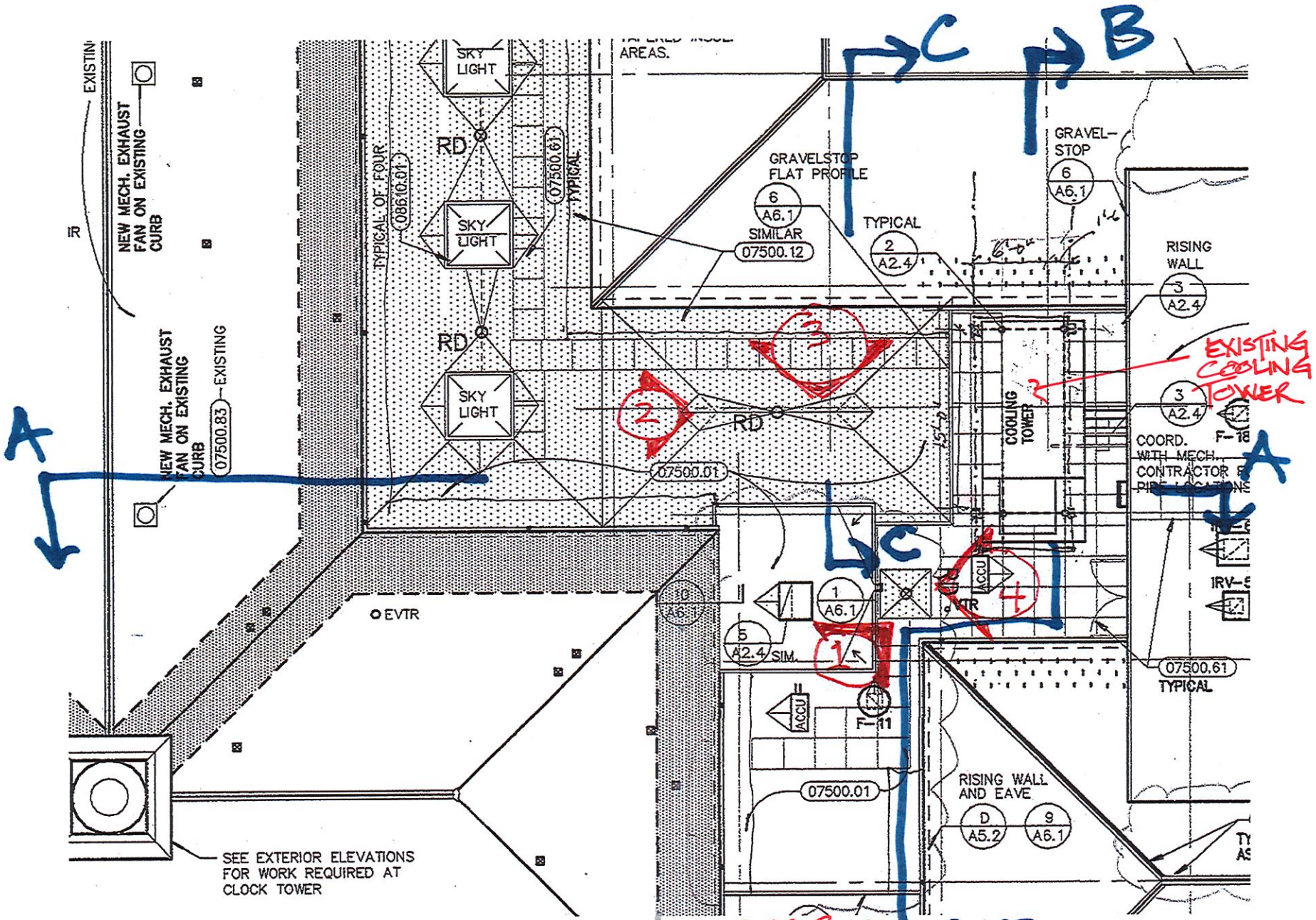
Roof Plan and Roof Details

Scale: 1/8"

A2.4

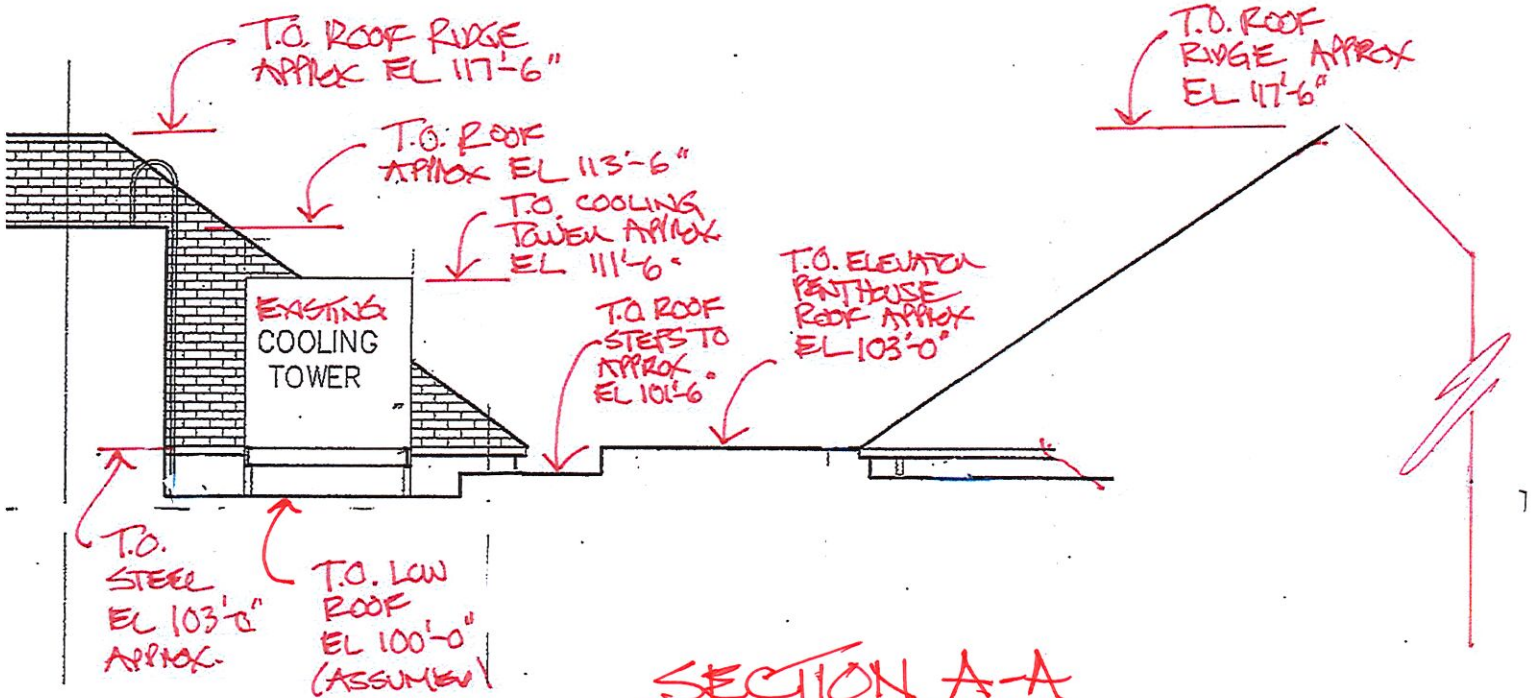
Job Number: 410710

File Name: WELL0201-1

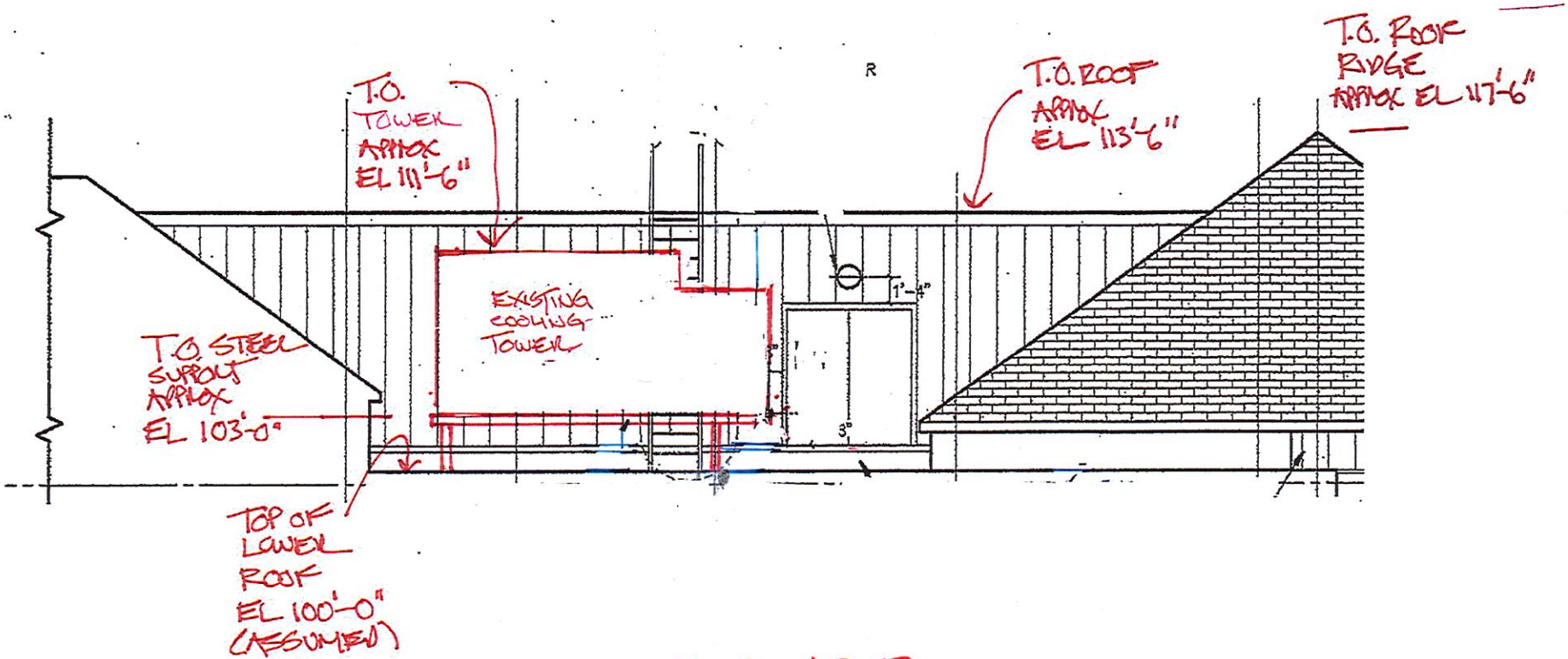


1 PHOTOS

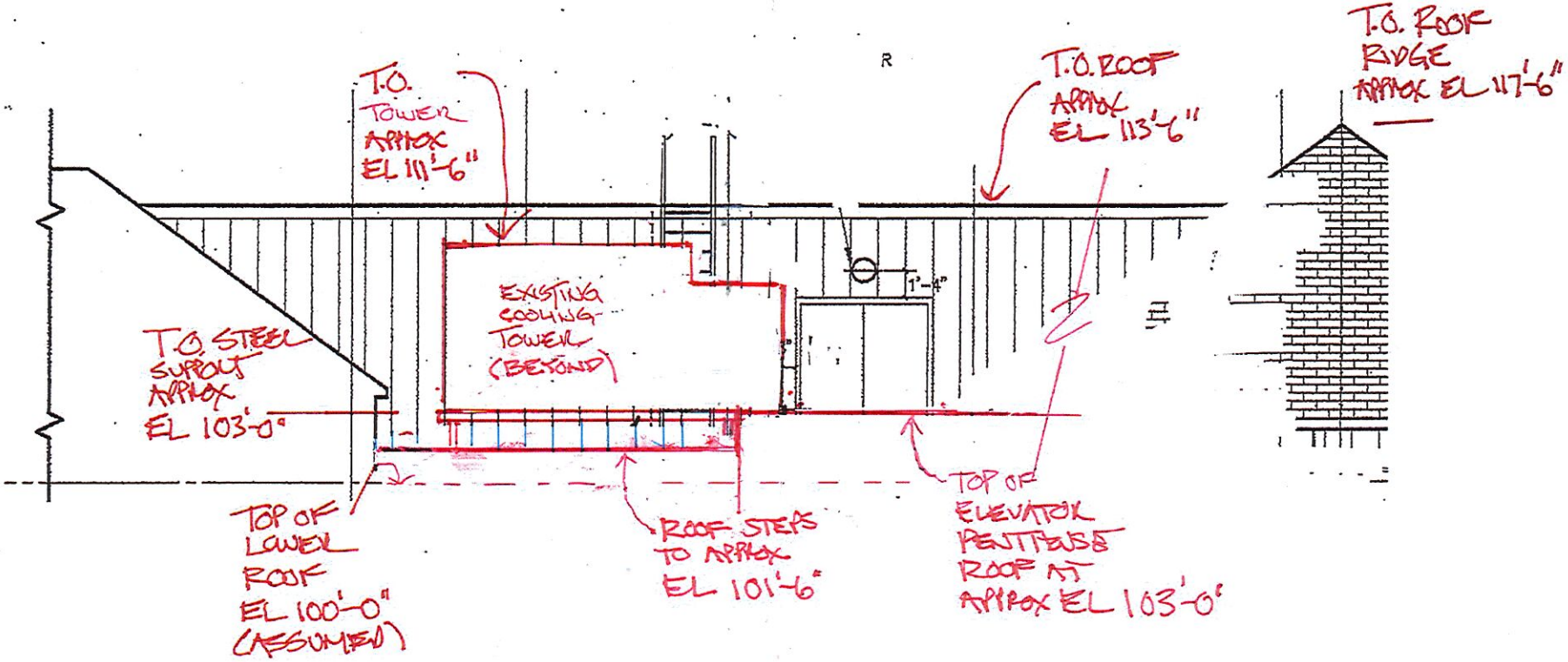
ENLARGED ROOF PLAN
EXISTING COOLING TOWER


T.O. ROOF RIDGE APPROX EL 117'-6"
T.O. ROOF APPROX EL 113'-6"
T.O. COOLING TOWER APPROX EL 111'-6"
EXISTING COOLING TOWER
T.O. ROOF STEPS TO APPROX EL 101'-6"
T.O. ELEVATOR PENTHOUSE ROOF APPROX EL 103'-0"
T.O. ROOF RIDGE APPROX EL 117'-6"
T.O. STEEL EL 103'-0" APPROX.
T.O. LOW ROOF EL 100'-0" (ASSUMED)

SECTION A-A


T.O. TOWER APPROX EL 111'-6"
T.O. ROOF APPROX EL 113'-6"
T.O. ROOF RIDGE APPROX EL 117'-6"
EXISTING COOLING TOWER
1'-4"
3"
T.O. STEEL SUPPORT APPROX EL 103'-0"
TOP OF LOWER ROOF EL 100'-0" (ASSUMED)

SECTION B-B


T.O. TOWER APPROX EL 111'-6"
T.O. ROOF APPROX EL 113'-6"
T.O. ROOF RIDGE APPROX EL 117'-6"
EXISTING COOLING TOWER (BEYOND)
1'-4"
T.O. STEEL SUPPORT APPROX EL 103'-0"
TOP OF LOWER ROOF EL 100'-0" (ASSUMED)
ROOF STEPS TO APPROX EL 101'-6"
TOP OF ELEVATOR PENTHOUSE ROOF AT APPROX EL 103'-0"

SECTION C-C

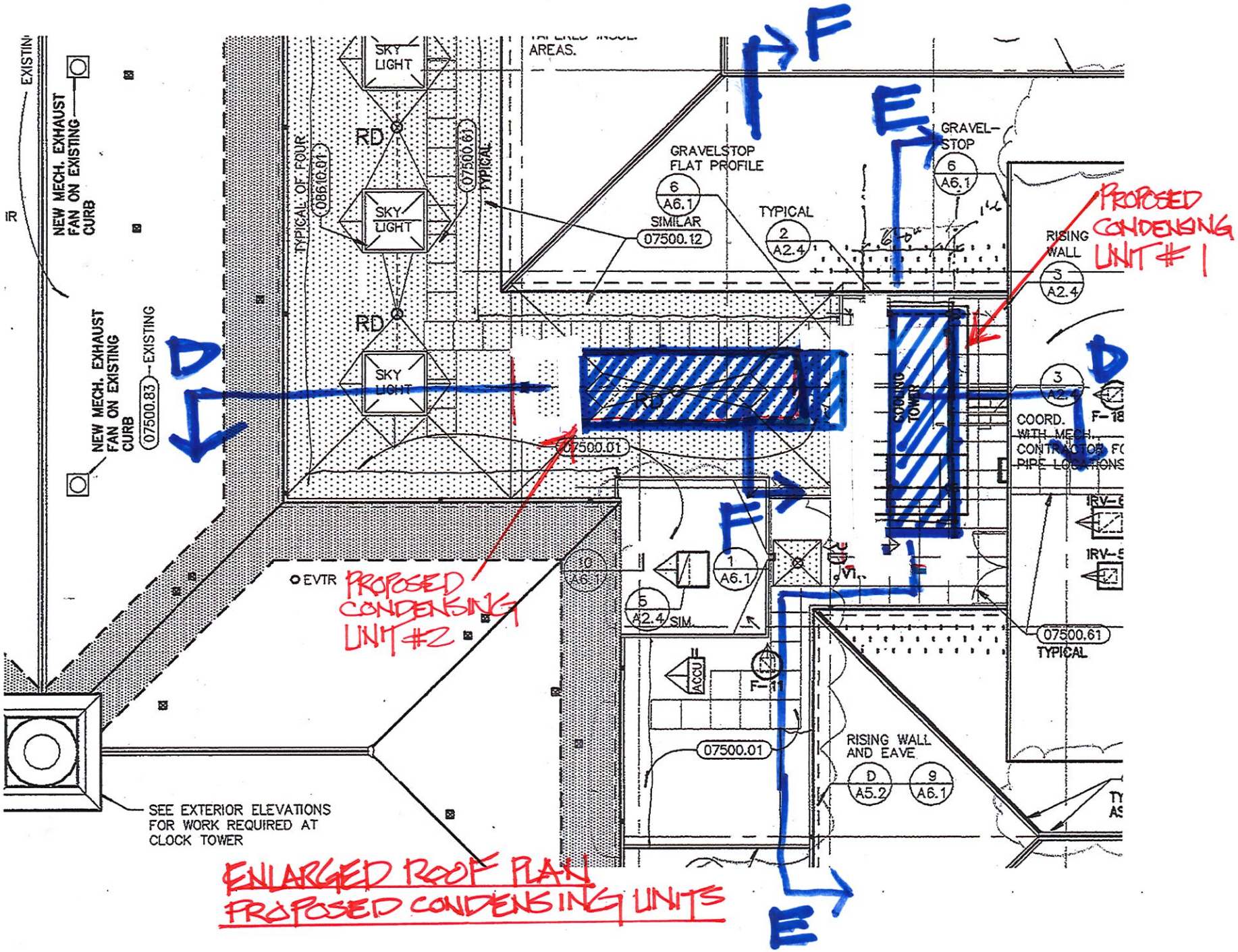
PHOTO 1

PHOTO 2

PHOTO 3

PHOTO 3

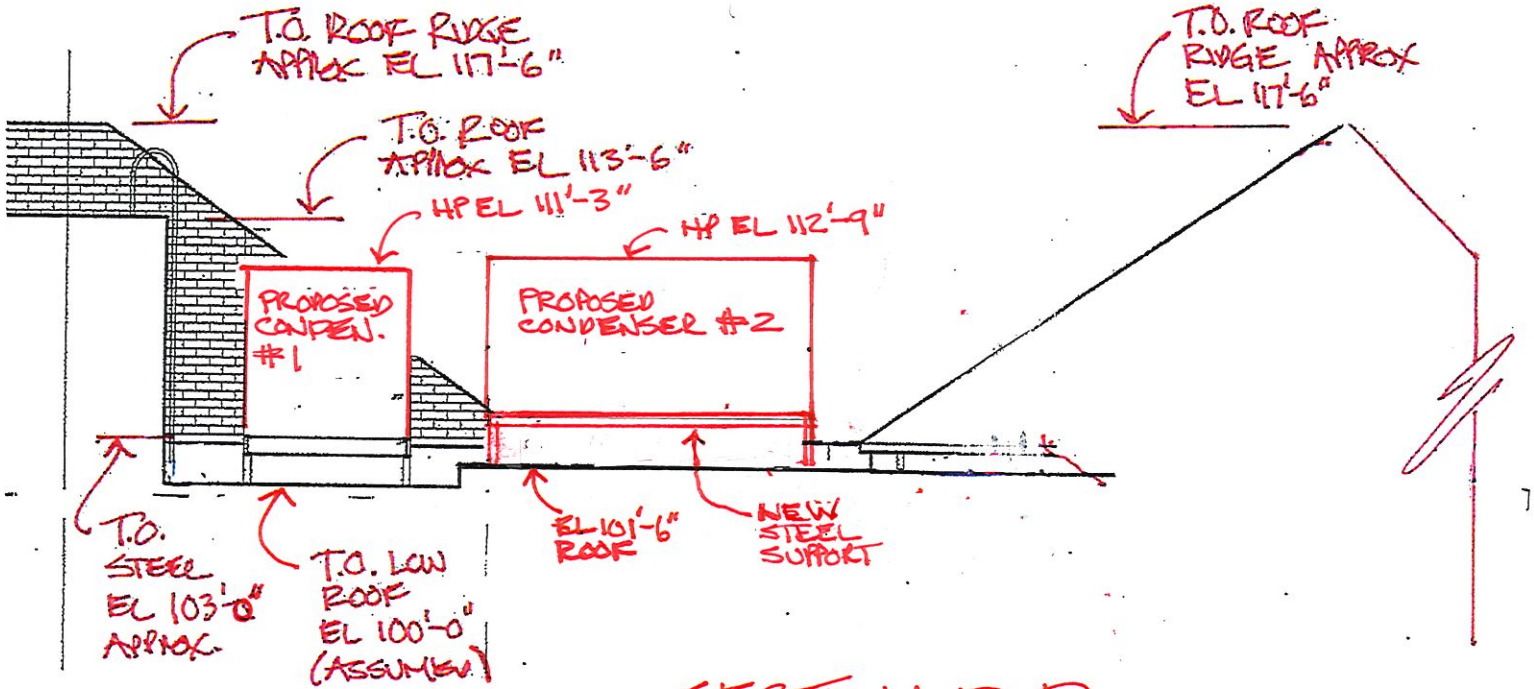
Photo 4



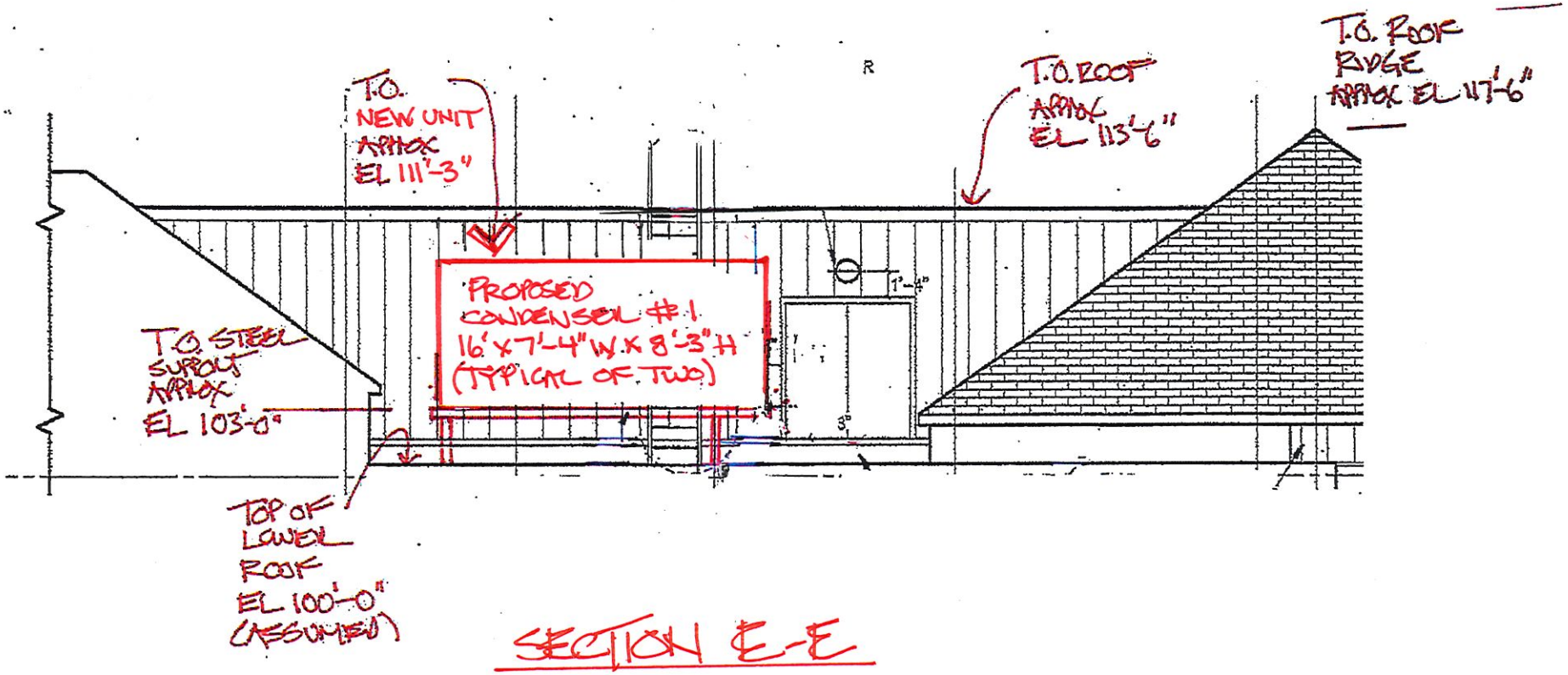
ENLARGED ROOF PLAN
PROPOSED CONDENSING UNITS

NOTES

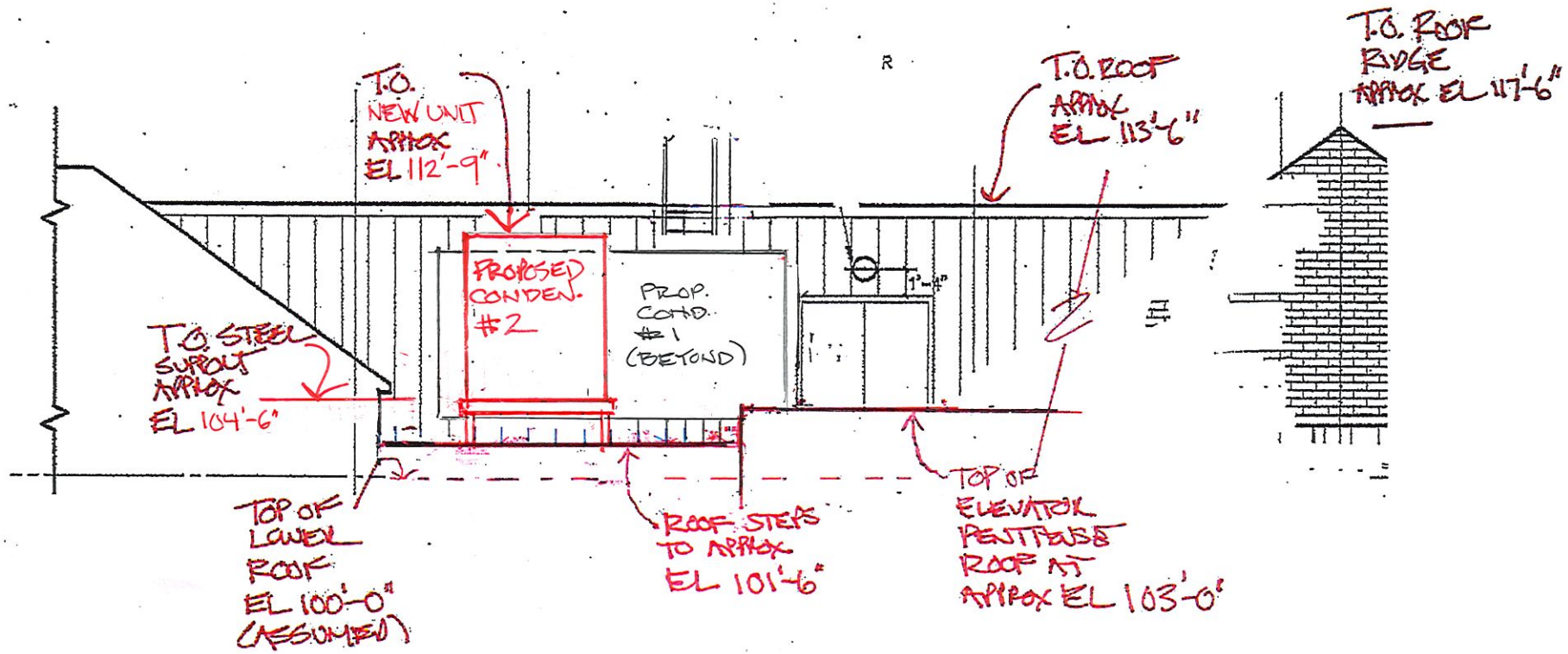
1. CONDENSER #1 HIGH POINT IS 3" LOWER THAN EXISTING TOWER
2. CONDENSER #2 HIGH POINT IS 1'-3" HIGHER THAN EXIST. TOWER



SECTION D-D


T.O. NEW UNIT APPROX EL 111'-3"
T.O. ROOF APPROX EL 113'-6"
T.O. ROOF RIDGE APPROX EL 117'-6"
PROPOSED CONDENSER #1 16' x 7'-4" W x 8'-3" H (TYPICAL OF TWO)
T.O. STEEL SUPPORT APPROX EL 103'-0"
TOP OF LOWER ROOF EL 100'-0" (ASSUMED)
7'-4"
3'-0"

SECTION E-E


T.O. NEW UNIT APPROX EL 112'-9"
PROPOSED CONDEN. #2
PROP. COND. #1 (BEYOND)
T.O. ROOF APPROX EL 113'-6"
T.O. ROOF RIDGE APPROX EL 117'-6"
T.O. STEEL SUPPORT APPROX EL 104'-6"
TOP OF LOWER ROOF EL 100'-0" (ASSUMED)
ROOF STEPS TO APPROX EL 101'-6"
TOP OF ELEVATOR PENTHOUSE ROOF AT APPROX EL 103'-0"

SECTION F-F