

ST ANDREW ORTHODOX CHURCH

PROPOSED ADDITION
230 E BURKE AVE
ARLINGTON WA 98223



PROPOSED EAST ELEVATION



STRUCTURAL NOTES:

A. GENERAL:

- The following notes are supplementary and do not supersede the specifications and/or details shown on the drawings.
- Group **AB** classification, low hazard occupancy, Type V (unrated timber construction)

B. CODES & STANDARDS:

- 2015 International Building Code (IBC), ASCE 7-10

C. DESIGN LOADS:

- Roof (snow)25 psf Live Load
- Floors100 psf Live Load/
- Wind Speed110 mph, Exposure "B"
- Seismic Site ClassD, $S_{DS} = 0.825$
- Soil bearing capacity1500 psf @ 12" depth

D. FOUNDATION DATA:

- Conventional footing to bear 12" below grade, 6" thick, 12" wide with (2) #4 rebars.
- Center all footings on columns and walls above, unless noted otherwise.
- Compacted fill to be well graded, gravelly sand, free of clay. Place in 8 inch maximum depth and compacted to 95% density.

E. REINFORCED CONCRETE NOTES:

- Concrete 28-day strength: 5 sack cement/yd³ (minimum of 2,500 psi; 6 gallon water/sack) for foundations, slabs, and footings.

- Reinforced steel A.S.T.M. A-615: grade 40 (40,000 psi) all sizes

Concrete cover on reinforcing steel (clear dimensions):

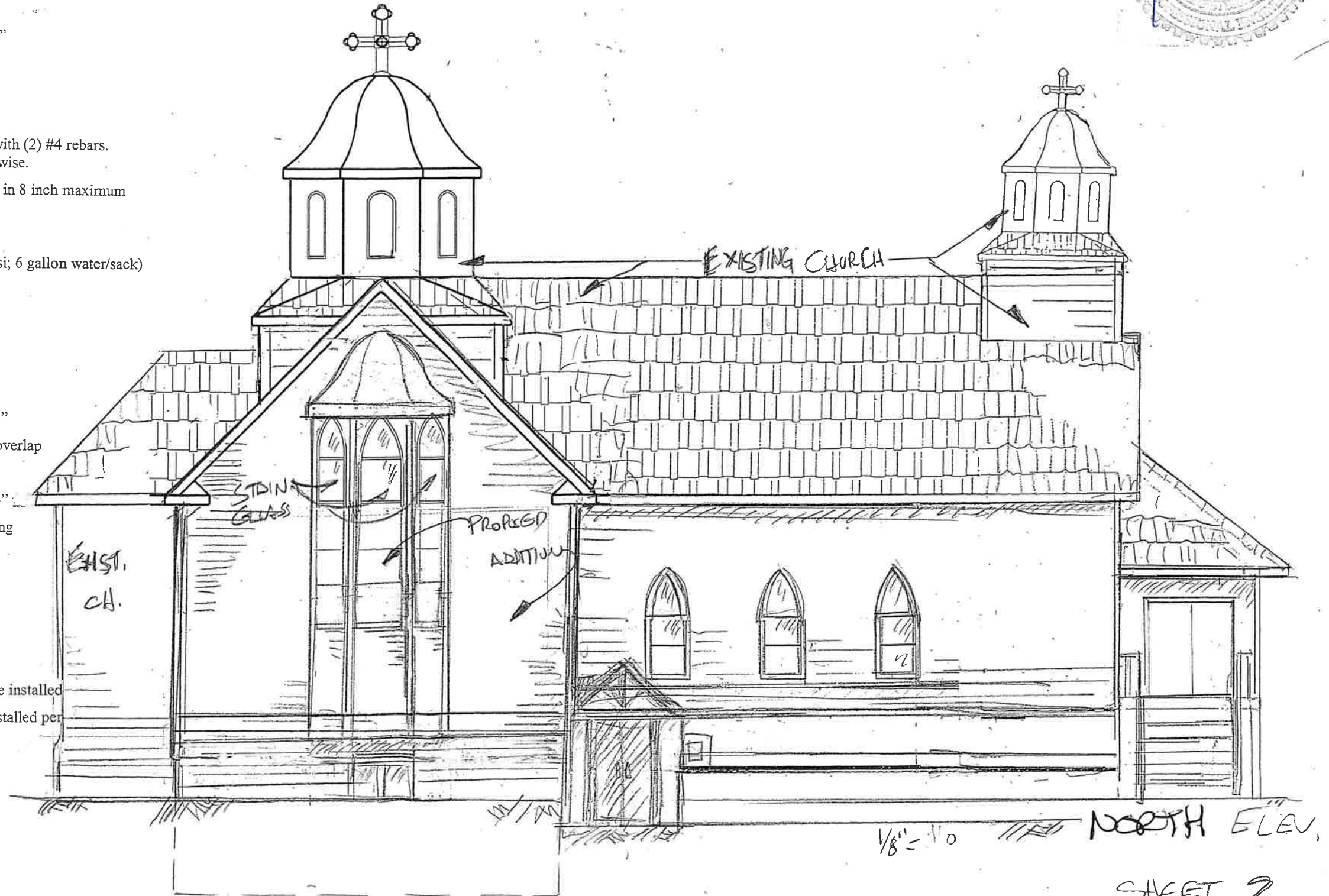
- Vertical faces exposed to earth or weather2"
- Bottom of footings3"
- Slab-on grade (from top)1-1/2"
- Splice reinforcing bars minimum18" overlap

F. TIMBER FRAMING NOTES:

- Hem-Fir No. 2 or Doug-Fir No. 2 for joists, rafters, and framing to 4"
- Hem-Fir or Doug-Fir, Utility or No. 3 or better for plates and blocking
- Joists and rafters to have 2" thick solid blocking at bearing supports.
- Provide washers for all bolts bearing on wood.
- All lumber should be pressure treated lumber for weather exposure.

G. MISCELLANEOUS:

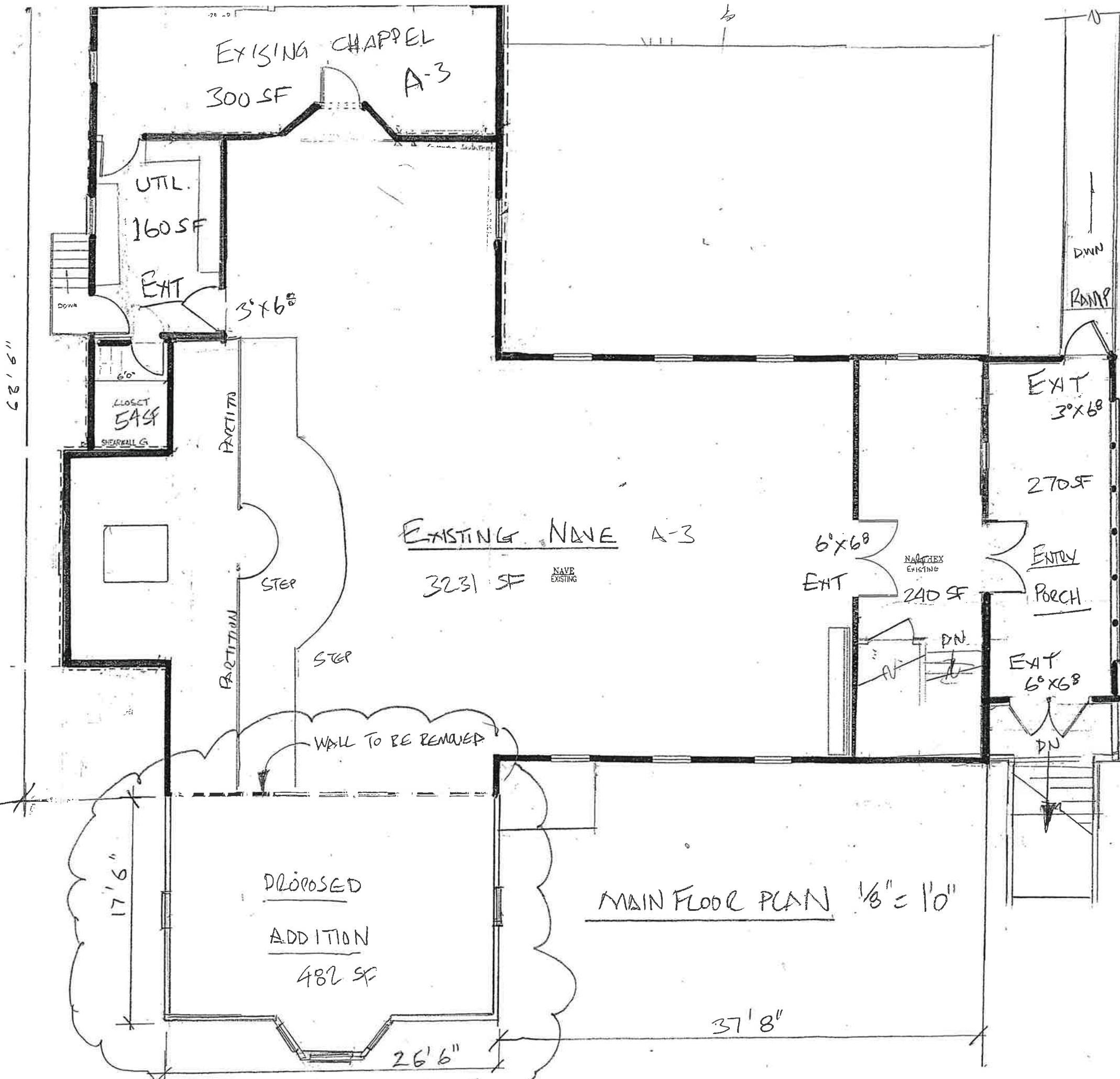
- Contractor to verify all dimensions in the field.
- Provide temp. bracing as required until all permanent connections are installed
- Pre-fabricated trusses, hold downs, hangers, and other items to be installed per manufacturer's recommendations.



1/8" = 1'-0"

NORTH ELEV.

SHEET 2



GROUP A-3 (ASSEMBLY)
 CONSTRUCTION TYPE V-B
 TOTAL MAIN FLOOR EXIST. 4255 SF
 PROPOSED ADDITION 482 SF
 PROPOSED TOTAL 4737 SF



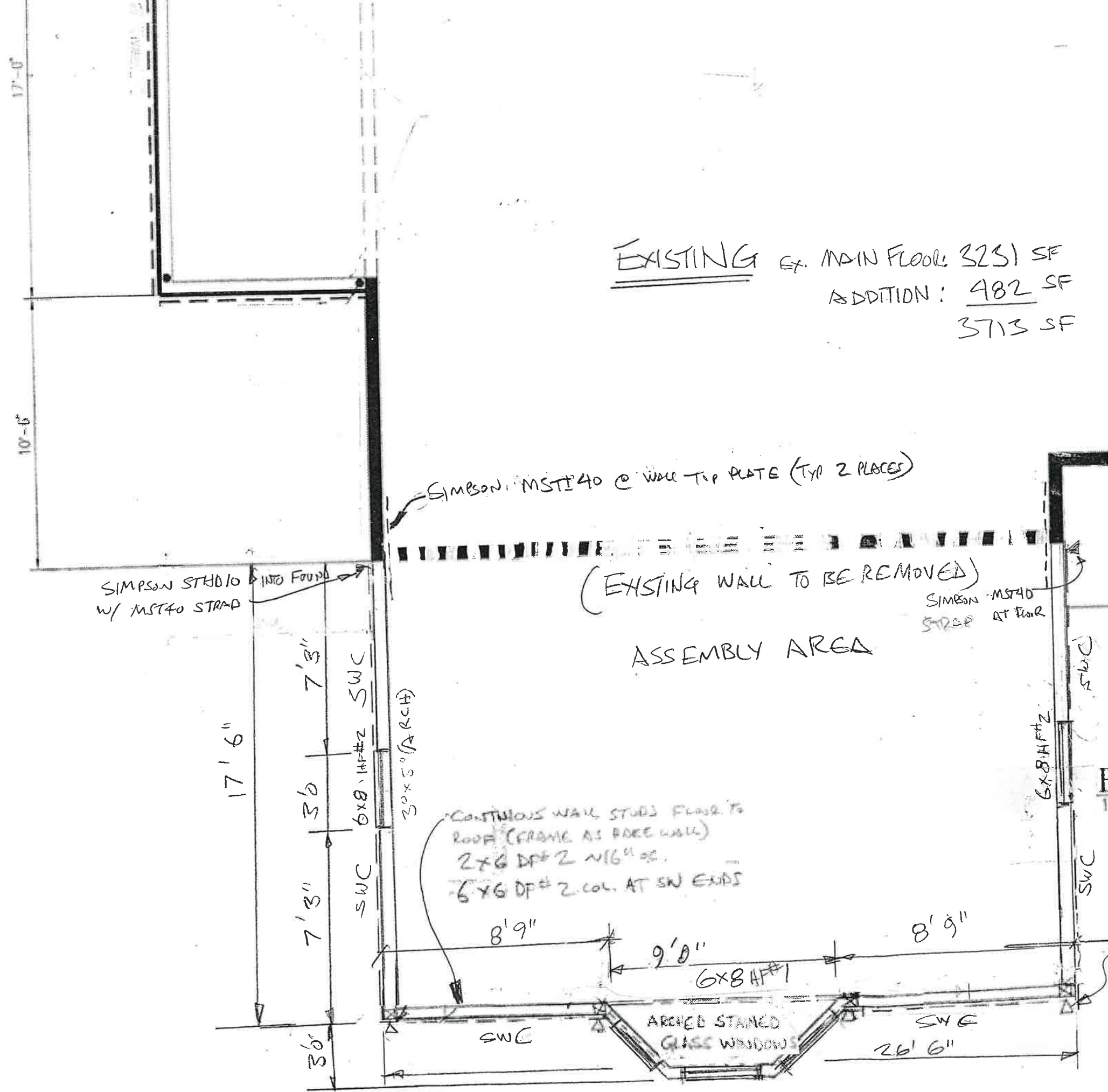
ST. ANDREW ORTHODOX CHURCH
 230 E. BURICE AVE BILLINGTON
 EXISTING FLOOR PLAN + ADDITION
 SHEET 3

Shear Wall Schedule ^{12,3}					
Wall	Sheathing ⁴	Nail Size, ⁵	Nail ⁶ Spacing, Edges	Sole and Top ^{7,8} Plate Nailing	Shear ⁹ Capacity
A	(2) 1/2" (MIN.) GWB ¹⁰	5d ¹⁴	4" o.c.	6" o.c. ¹⁵	150
B	7/16" OSB	8d	6" o.c.	6" o.c.	240 (260)
C	7/16" OSB	8d	4" o.c.	4" o.c.	350 (380)
D	7/16" OSB	8d	3" o.c.	3" o.c.	450 (490)
E	(2) 7/16" OSB	8d	4" o.c.	4" o.c. ¹²	700 (760)
F	(2) 7/16" OSB ^{10,11}	8d	3" o.c.	3" o.c. ¹²	900 (980)
G	1/2" CDX ¹¹	10d ¹³	3" o.c.	SEE NOTE 12	600
H	1/2" CDX ¹¹	10d ¹³	2" o.c.	SEE NOTE 12	770
I	(2) 1/2" CDX ^{10,11}	10d ¹³	3" o.c.	3" o.c. ¹²	1200

NOTES:

- (1.) All wall sections not noted on plan as shearwalls shall be nailed according to the general nailing schedule. Do not provide additional blocking or nailing.
- (2.) Block all horizontal sheathing edges with nominal 2X blocking, same depth as framing. All vertical sheathing edges to fall on framing members.
- (3.) On lowest level, extend sheathing to mud sill. Where sheathing extends across floor framing, nail at wall sole plate as for sheathing edge.
- (4.) Nominal 1/2" CDX may be substituted for 7/16" OSB if desired, or equivalent APA rated panel.
- (5.) Common or galvanized box nails.
- (6.) Nail spacing at all sheathing edges. Nail in field @ 12" o.c., on all intermediate framing members. (For GWB nail at all framing & blocking as for edge.)
- (7.) 16d commons, face nail through floor sheathing and into joist or blocking below. Where nailing directly to sill, 10d common or box may be used on same spacing (see also note 3).
- (8.) For single top plate, face nail as for sole plate. For doubled top plates, attach per general nailing schedule, unless other attachments are designated on the plans.
- (9.) Shear capacity in lb./ft. based on nail holding values in framing members of Douglas Fir/Larch, and duration factors for wind or earthquake. Framing members of other species will result in lower capacities. Numbers in () are for sheathing of 1/2" CDX or framing at a maximum of 16" o.c.

EXISTING EX. MAIN FLOOR: 3231 SF
 ADDITION: 482 SF
 3713 SF



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



SIMPSON MSTC 40 STRAP (CENTER OVER RIM)
 SIMPSON STUDIO AT FOUND. WALL (4 PLACES)

ST. ANDREW ADDITION
 230 E. BURG ARLINGTON VA SHEET 4

EXISTING ROOF FRAMING



(SEE DOME FRAMING DETAIL)

12' 8"

EXISTING

15' 6"

ADDITION

EXISTING WALL TO BE REMOVED

TRUSSES TO MATCH EXISTING ROOF 24" OC.

CONT. RIDGE VENT

EXISTING
SIMPSON DSC4
(EACH END TRUSS)
(2 PLACES)

2x6 RAFTERS w/ 2x6 BLOCKING
AT WALL LINE 36" OC (TYP.)

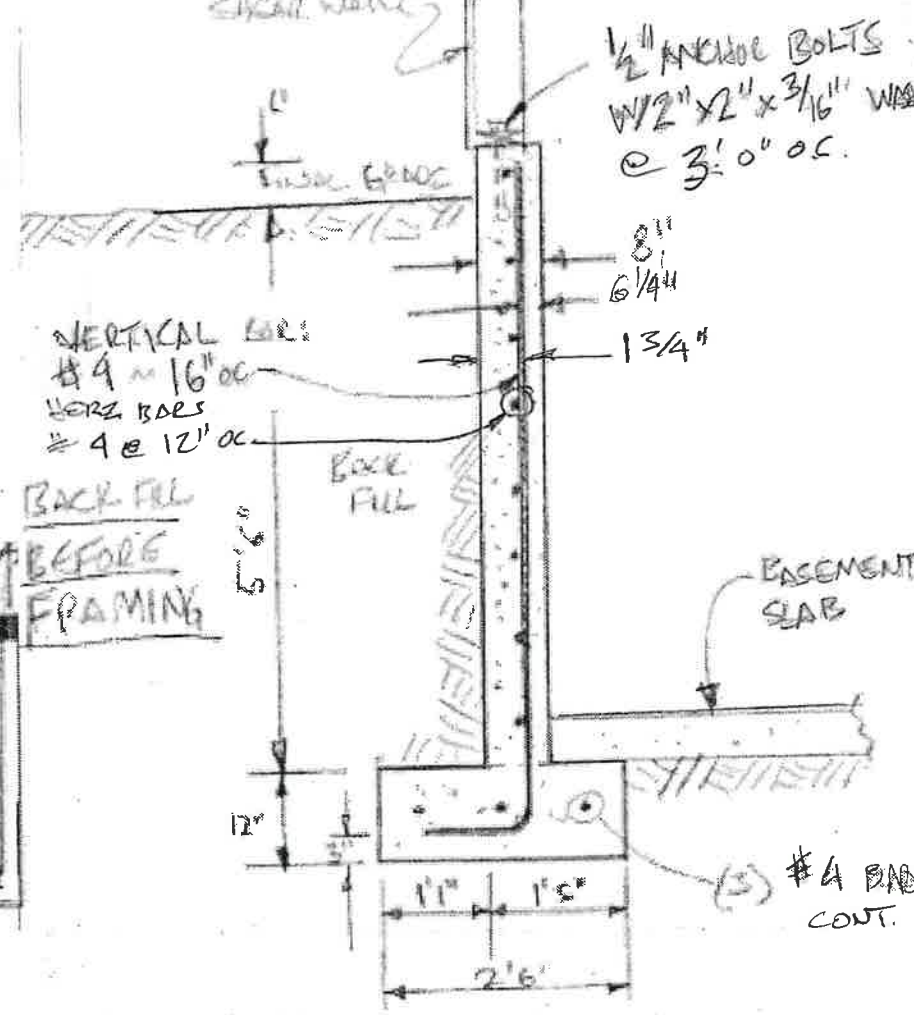
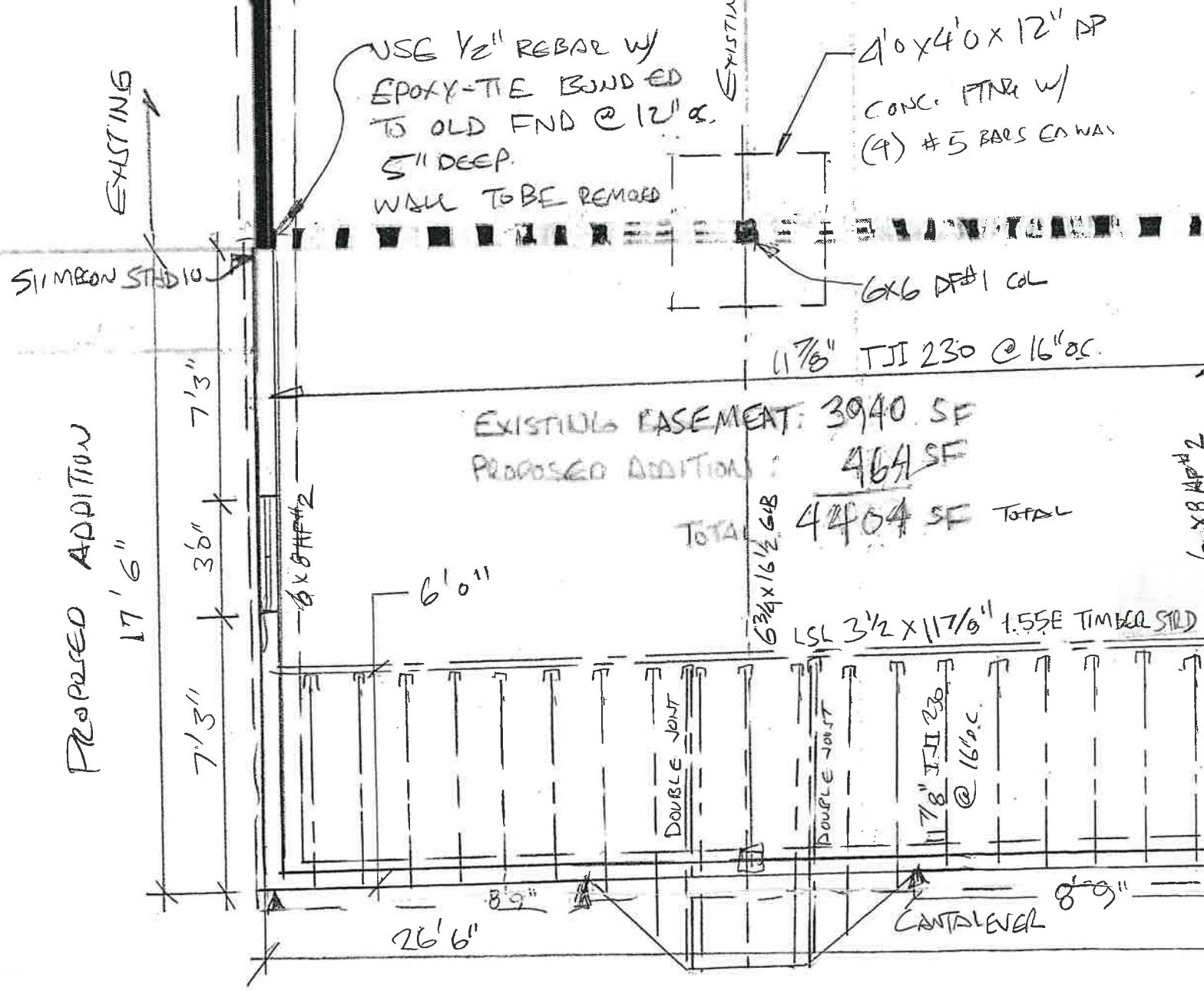


ROOF FRAMING PLAN 1/4" = 1' 0"

SHEET 5

FELLOW SAID
HALL

WALL FRM MINOR



FOUNDATION SECTION

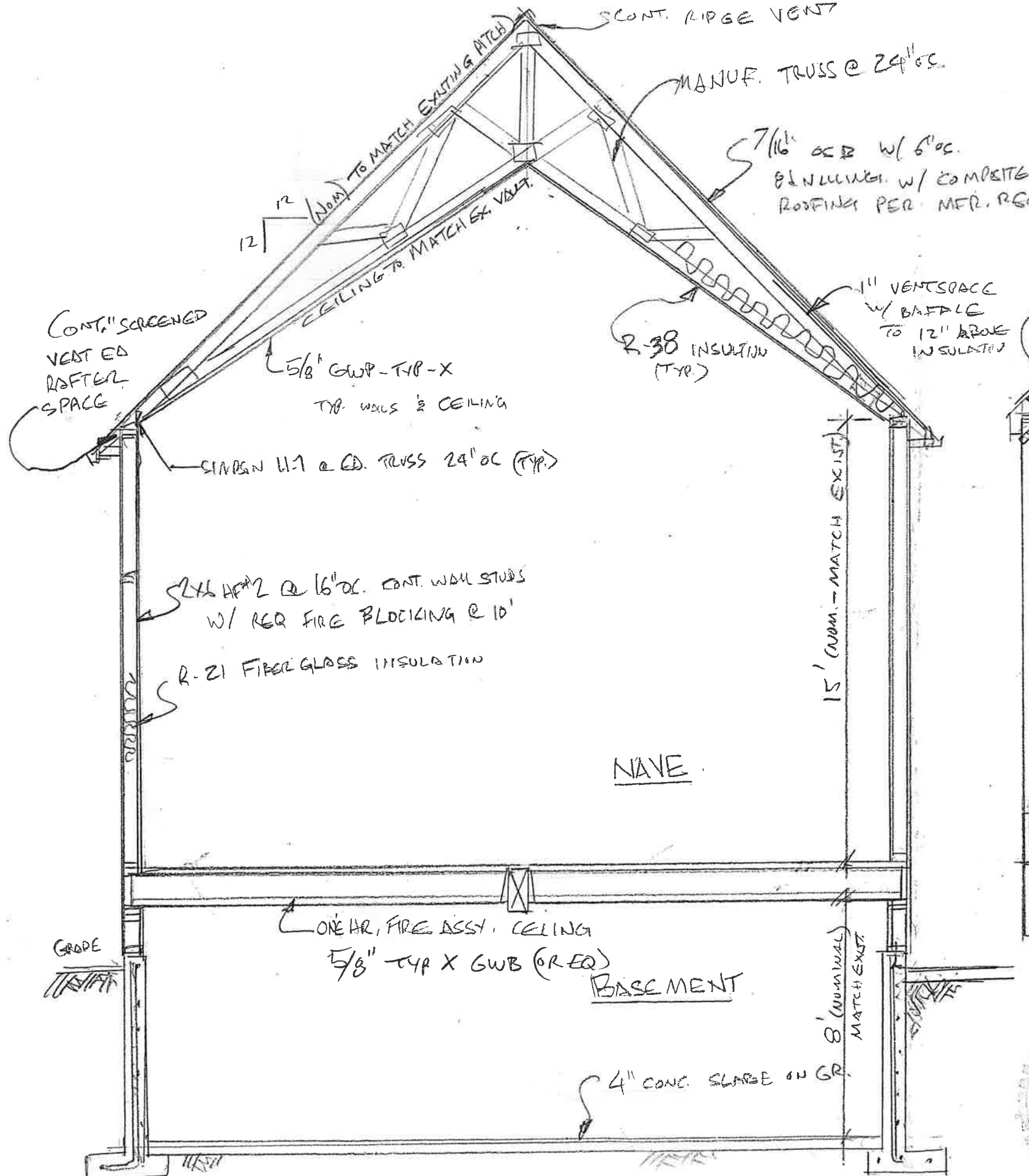
1/2" = 1'6"



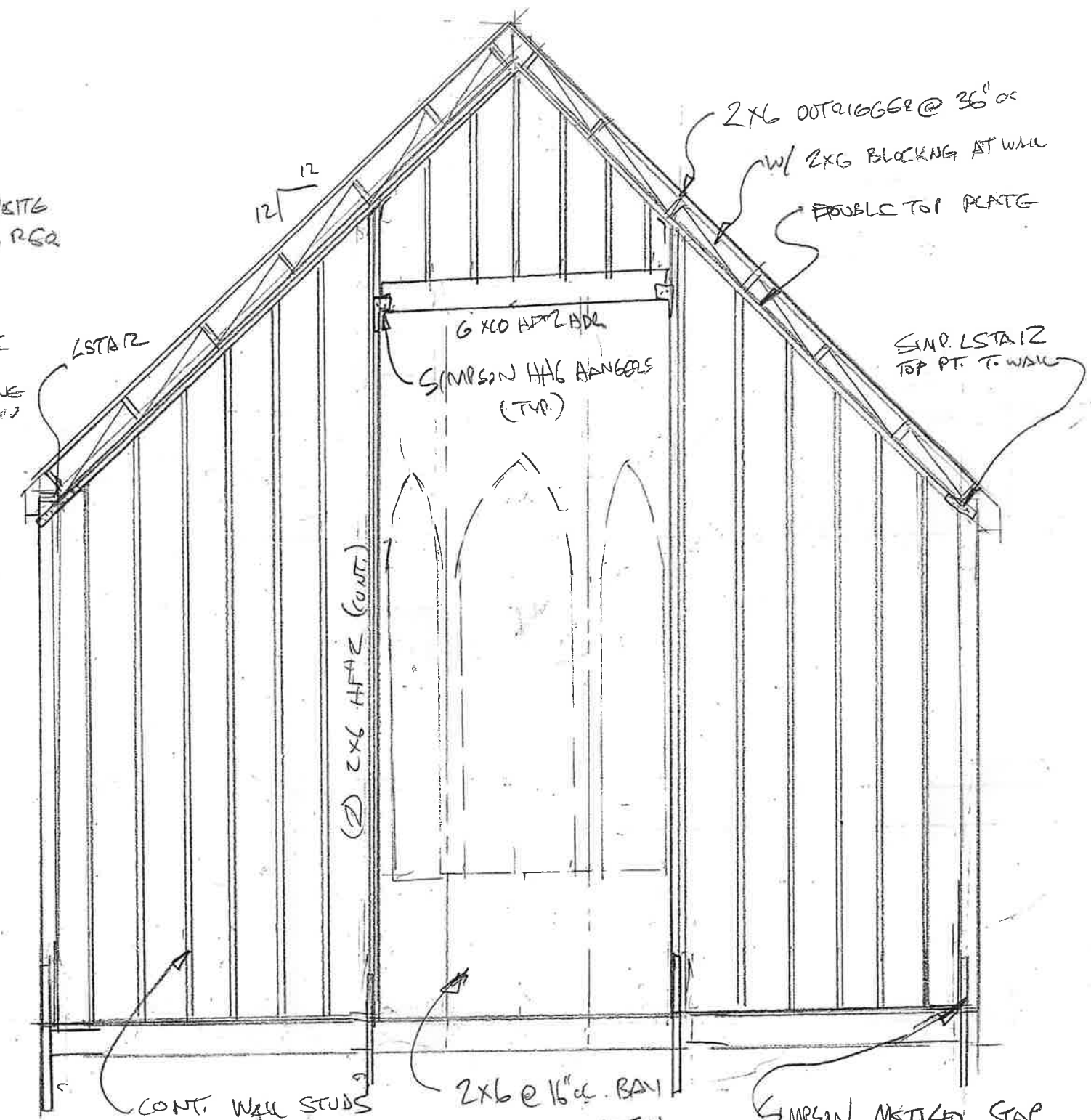
FOUNDATION & FLOOR FRAMING PLAN

1/4" = 1'0"

ST. ANDREW ADDITION

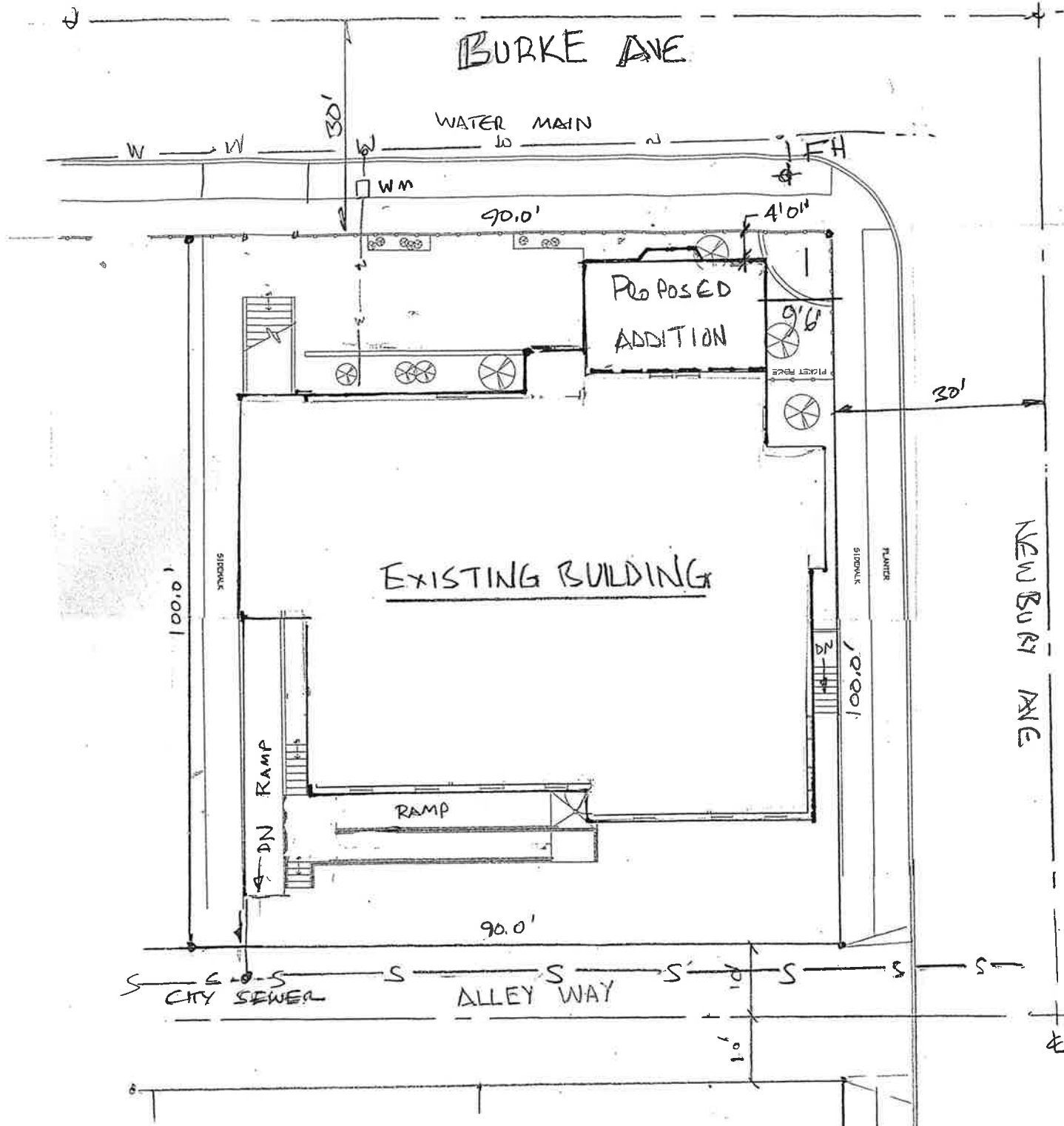


CROSS SECTION 1/4" = 1'0"



WALL FRAMING DETAIL 1/4" = 1'0"





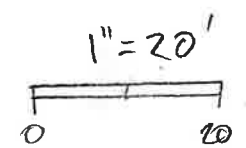
SITE PLAN

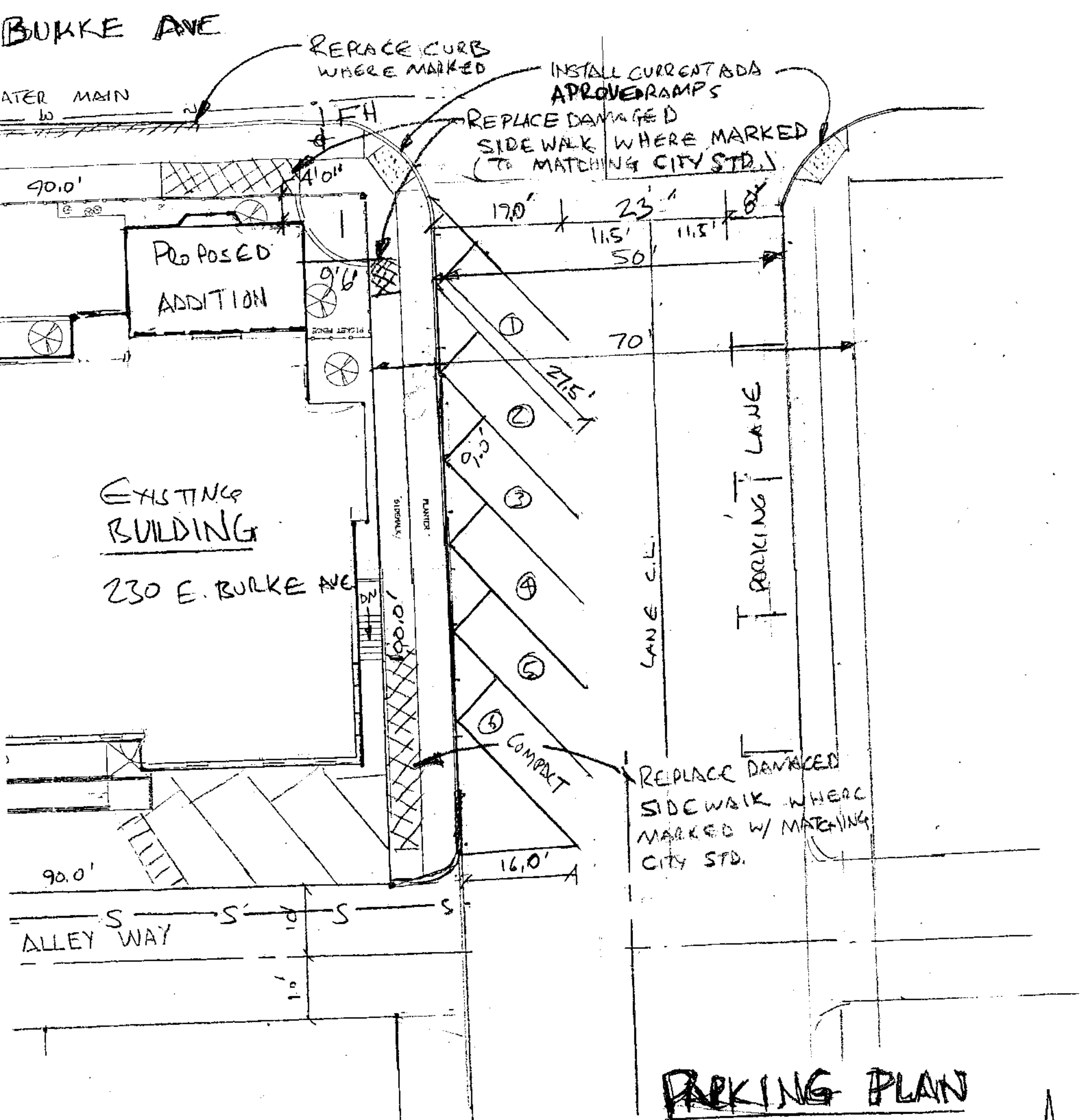
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 ARLINGTON WA 98223

ZONE = OTBD3

PROP TAX # 00461801500160

WALLER CITY BLK 015 D-00 - LOT 182
 LESS W.10 FT REG # 08764-001





EXISTING BUILDING

230 E. BURKE AVE

PARKING PLAN

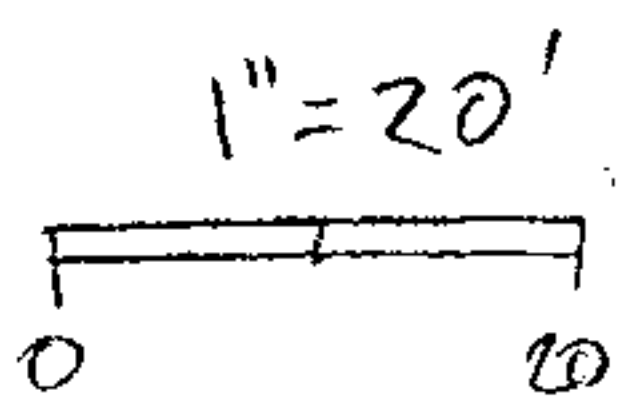
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ZONE = OTBD3



PROP TAX # 00461801500160

WALLER CITY BLK 015 D-00 - LOT 1 & 2
 LESS W. 10 FT REG # 087642001



ST. ANDREW

230 E. BURKE AV.

ALLEYWAY

EXIST
DRIVE
WAY

EXIST.
GARAGE

EXIST.
RES

231 E GILMAN AVE

100.0'

19'

115'

115'

8'

9'

17'

17'

17'

17'

17'

17'

17'

17'

17'

17'

17'

17'

17'

17'

17'

17'

17'

NEWBURY ST. CENTER LINE

ALLEYWAY

30.5

19.5'

6

20'



PARKING PLAN

E. GILMAN AVE

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