ATTACHMENT 5

GENERAL:

1. Prior to tender, all Contractors shall familiarize themselves with all contract documents and shall visit the site as required to ensure that the extent of the work is understood. THERE WILL NO EXTRAS ALLOWED DUE TO CONTRACTORS MISUNDERSTANDING THE EXTENT OF THE WORK.

2. All dimensions given and details shown on the drawings must be site checked and coordinated . Report any inconsistencies to the Engineer before proceeding with the work. If discrepancies exist on the drawings which are not brought to the attention of the Engineer prior to construction, these will be interpreted by the Engineer and extras may not be allowed.

3. Sufficient temporary bracing shall be provided to keep the building safely plumb and in true alignment during erection.

4. All construction shall conform to the requirements of the Ontario Building Code 2012 including latest revisions.

5. Any openings in foundation walls wider than 4 feet must be reinforced with minimum 2–20 M bars adjacent to the opening and 2–20M bars horizontal at the bottom of opening extending 24" passed the opening.

6. Top of slab on grade elevation to be as shown on the Drawings.

7. All footings shall be carried down to natural undisturbed soil capable of sustaining ULS=120KPa . This bearing pressure is assumed and shall be verified If the soil at the base of footings are silt or sand contractor must contact the engineer for revision design. If water table is higher than one foot below footings, the contractor must contact engineer for revision design.

8. If water table is higher than one foot below footing, weeping tiles must be installed at both exterior and interior side of all parameter foundation walls and sump pit and automatic sump pump must be installed.

9. All exterior foundations shall extend a minimum of 1220 mm below finished grade for frost protection. Step footings where required to maintain this condition or to meet elevations of adjacent footings. Stepped footings shall be 2 horiz: 1 vert.

10. Excavations to depth of more than 1220 mm below grade are to be cut back at a slope of 1:1, or alternatively, supported using adequately braced sheeting.

SLABS ON GRADE:

1. Provide moist curing for all concrete slabs on grade for minimum of 7 (seven) says after placing concrete. Alternatively, a cure/seal compound may be used if prior approval is secured from the Architect and Engineer. Do not use chemical sealers where tile is to be installed.

2. If moist curing or cure seal compound is not applied as directed, the contractor shall be held responsible for any and all failures of the slab regardless of how these failures may be caused.

3. Provide sawcuts to all unreinforced slabs on grade to a minimum depth of 1/3 slab thickness or 40 mm whichever is greater. Sawcuts are to be spaced at not more than 30 X slab thickness in any direction.

CONCRETE NOTES:

1a. All concrete shall be MIN. 20 MPa at 28 days unless noted otherwise on the drawings or in the specifications. All reinforcing steel shown shall be deformed steel bars with 400 MPa. Ties and stirrups may be intermediate

1b. All concrete exposed to freezing tempratures shall be MIN. 32 MPa at 28 days with minimum 5% to 8% air–entrainement.

2. Maximum slump of concrete shall be 75 mm unless otherwise noted or approved by the Engineer. Admixtures may be used in concrete, but advice as to type, quantity and purpose must be given to the Engineer prior to placing any concrete.

3. A vibrator is to be used for all structural concrete and for all concrete which will remain exposed. This includes all foundations and foundation walls.

4. Provide 5% to 7% air entrainment for all exterior concrete. If concrete is to be vibrated, consult the concrete supplier for guidance regarding initial air entrainment.

5. Grout under all base plates and wall plates shall be M–Bed Standard by Sternson Limited or approved equal.

SPECIFICATIONS

Sirjani Engineering Inc.
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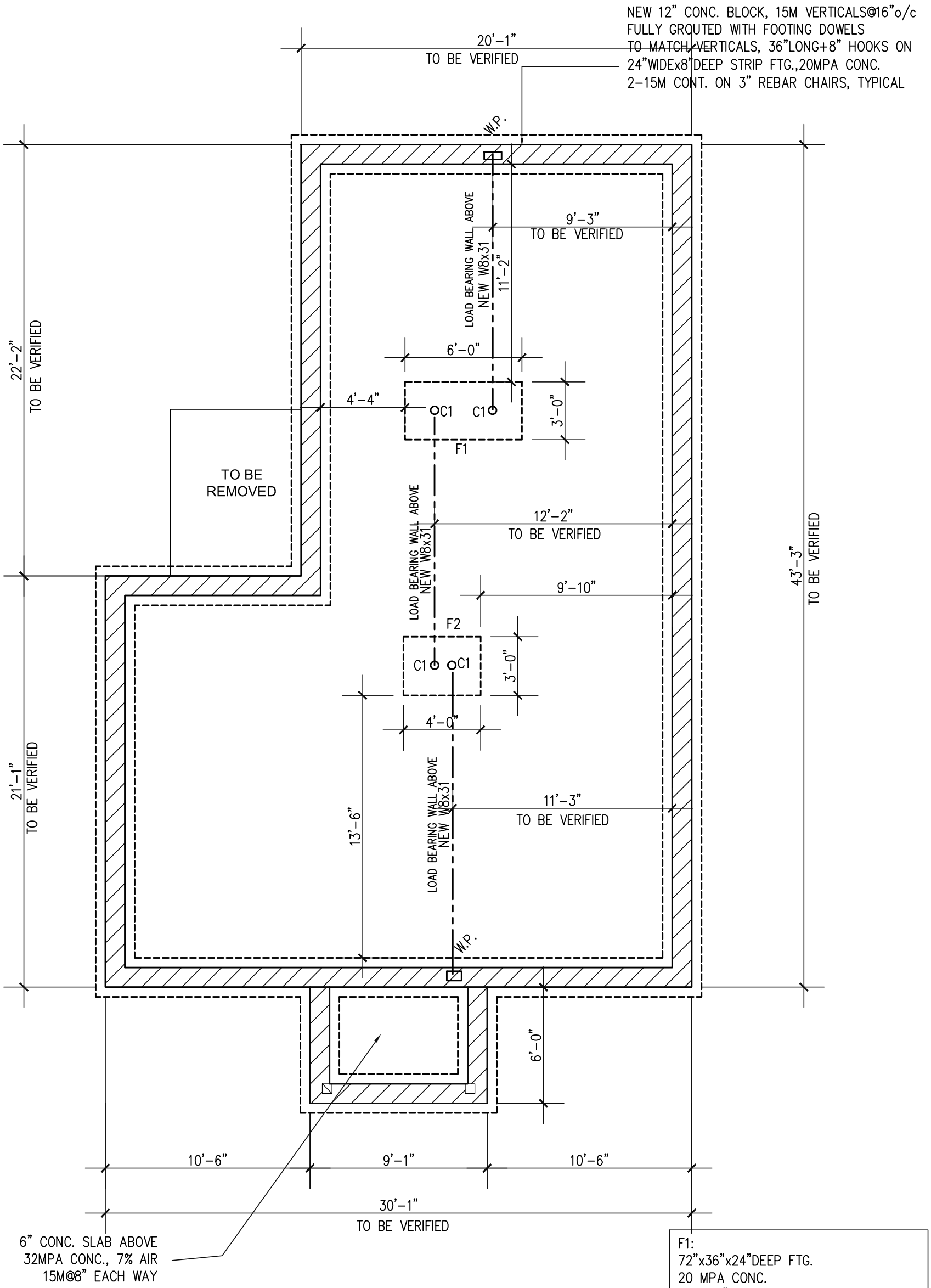
Project:
10450 HUNTINGTON RD.
KLEINBERG, ONTARIO

LICENSED PROFESSIONAL ENGINEER
AUG.16,2020
I.SHAHABI–SIRJANI
PROVINCE OF ONTARIO

Date: AUG.16,2020	Drawing #: S1
Project #:	Scale: AS SHOWN
Drawn By: I.S.	



FOUNDATION PLAN

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

F1:
72"x36"x24"DEEP FTG.
20 MPA CONC.
15M@12" TOP AND BOTTOM EACH WAY

F2:
48"x36"x24"DEEP FTG.
20 MPA CONC.
15M@12" TOP AND BOTTOM EACH WAY

W.P.:
PL. 8"x6"x1/2"+
2 ANCHORS 8"x1/2"ON
FULLY GROUTED BLOCK

C1:
HSS 5x1/4+ BASE PL. 8"x8"x1/2"+
4 ANCHORS 12"x1/2"+
TOP PL. 8"x8"x1/2"

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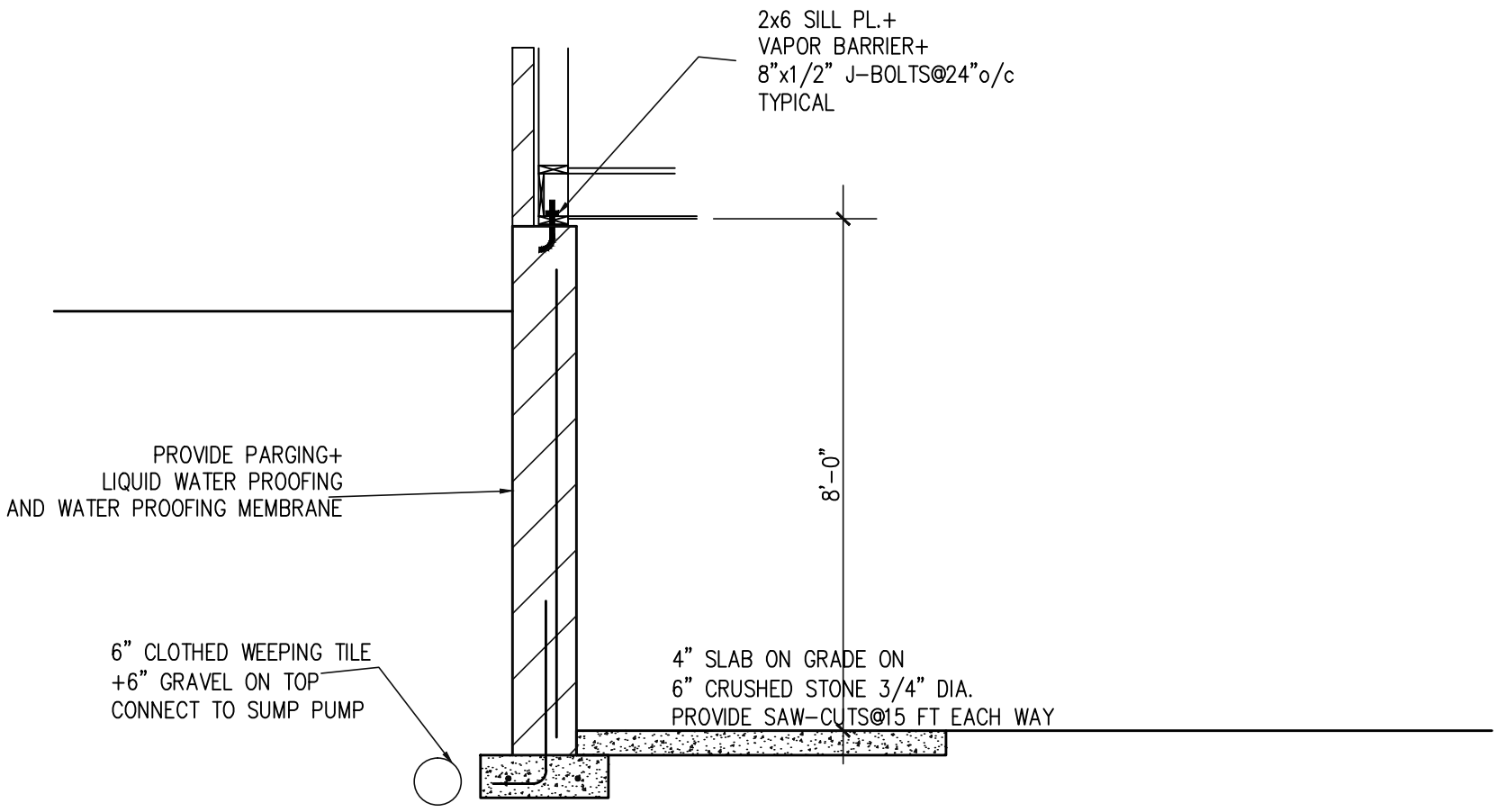
Date: AUG.16,2020	Drawing #: S2
Project #:	
Drawn By: I.S.	Scale: AS SHOWN



TYPICAL FOUNDATION WALL SECTION

SC: 1/2"=1'-0"

GENERAL:

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2. All dimensions given and details shown on the drawings must be site checked and coordinated . Report any inconsistencies to the Engineer before proceeding with the work. If discrepancies exist on the drawings which are not brought to the attention of the Engineer prior to construction, these will be interpreted by the Engineer and extras may not be allowed.

3. Sufficient temporary bracing shall be provided to keep the building safely plumb and in true alignment during erection.

4. All construction shall conform to the requirements of the Ontario Building Code 2012 including latest revisions.

5. COTRACTOR TO PROVIDE ADEQUATE SHORING OVER AND UNDER GROUND FLOOR PRIOR TO REMOVING THE WALL

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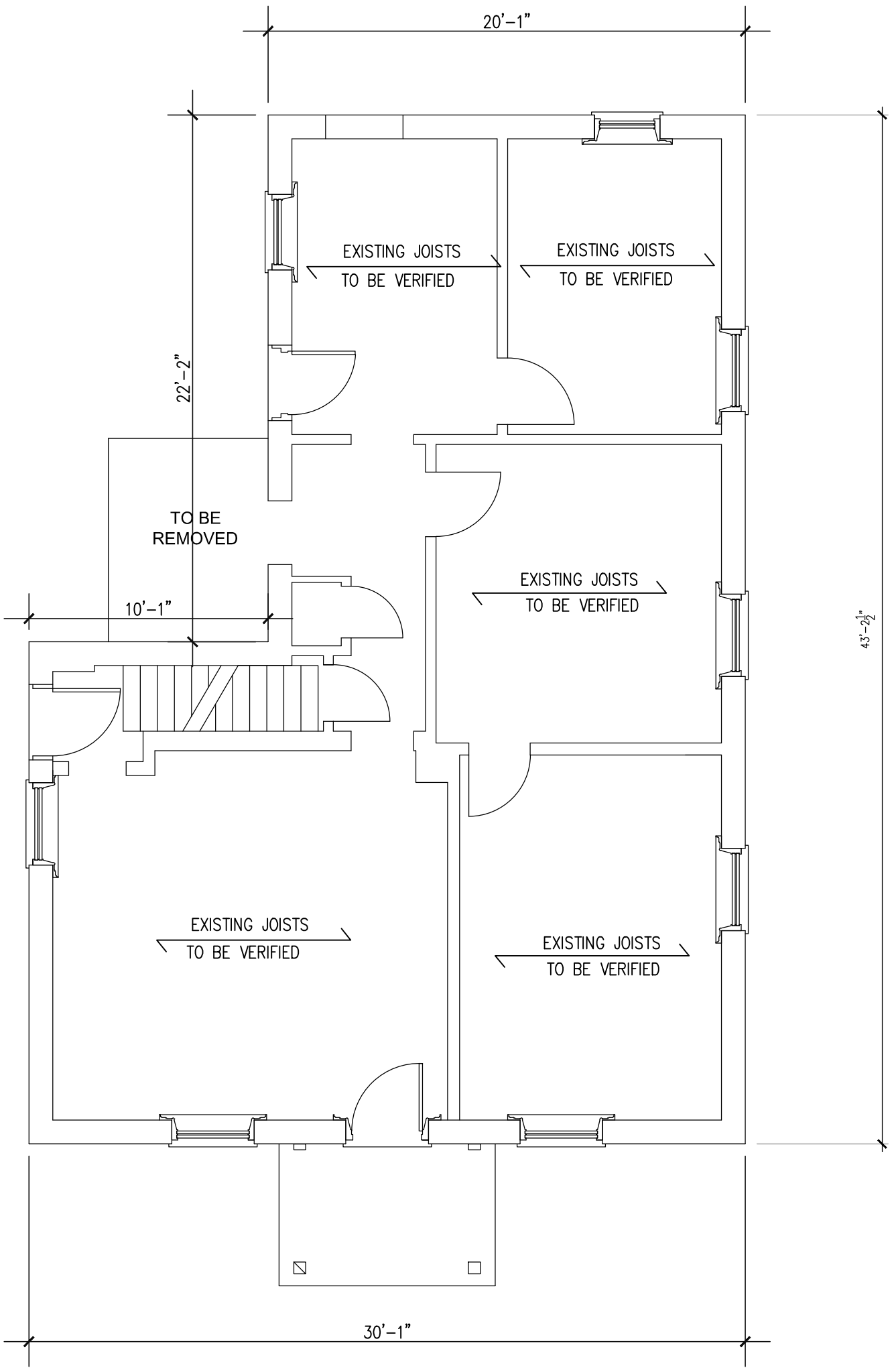
Date: AUG.16,2020	Drawing #: S3
Project #:	
Drawn By: I.S.	Scale: AS SHOWN



NOTE: THE HOUSE IS TO BE MOVED BY OTHERS

EXISTING GROUND FLOOR PLAN

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

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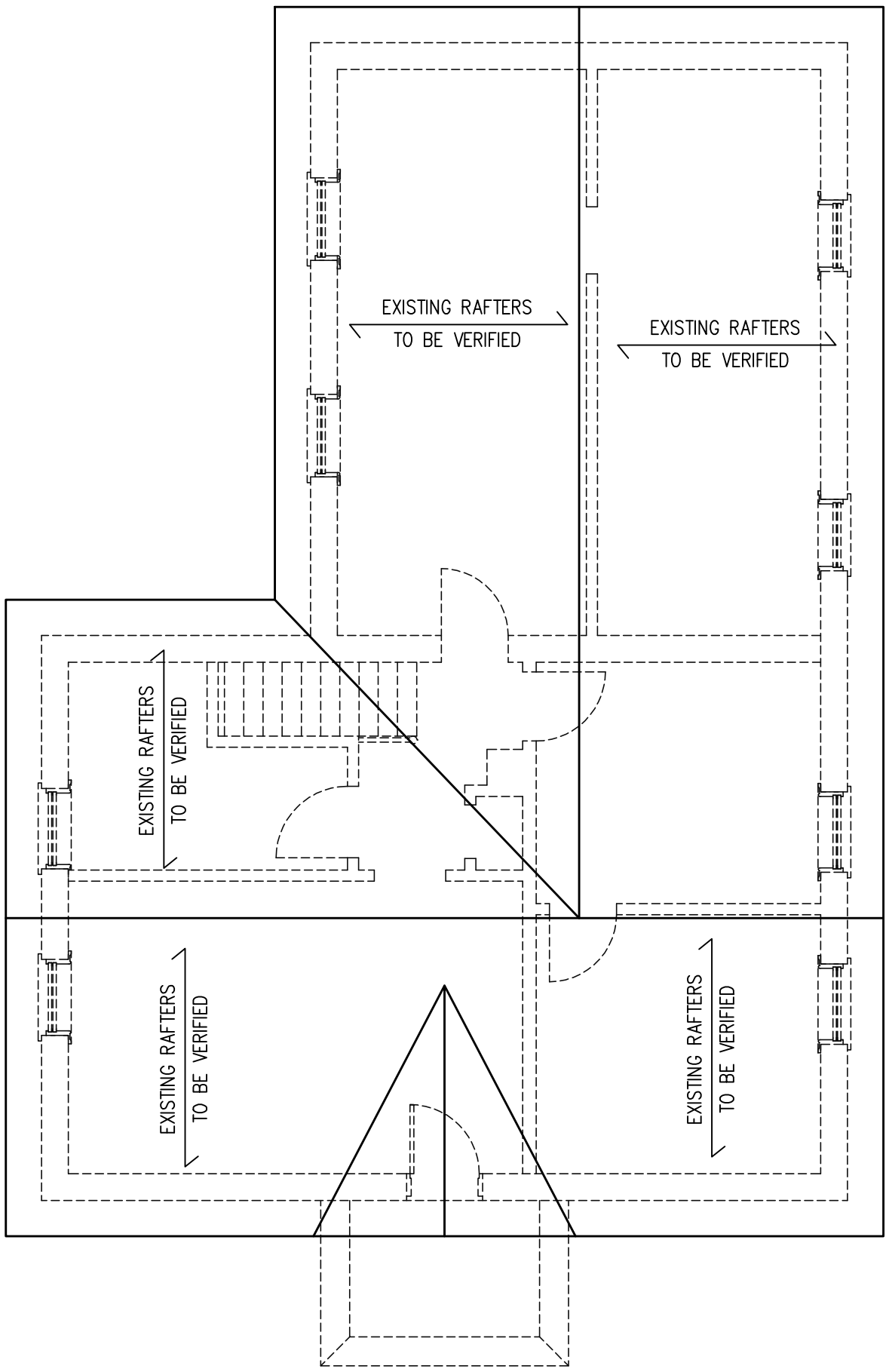
Date: AUG.16,2020	Drawing #: S4
Project #:	
Drawn By: I.S.	Scale: AS SHOWN



2ND FLOOR

NOTE: THE HOUSE IS TO BE MOVED BY OTHERS

EXISTING 2ND FLOOR AND ROOF FRAMING PLAN

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

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Date: AUG.16,2020	Drawing #: S5
Project #:	
Drawn By: I.S.	Scale: AS SHOWN