

NOTE:
THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NORTHERN ELECTRIC INC. AND WAS PREPARED FOR THE EXCLUSIVE USE OF NORTHERN ELECTRIC INC. FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM. NO USE, REPRODUCTION OR DUPLICATION OF THIS DRAWING IN PART OR WHOLE MAY BE MADE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:

SHEET NUMBER:

PHOTOVOLTAIC ICE ROOM, COMMUNITY CENTER AND WATER FILTRATION/IRRIGATION SYSTEM

AGBOKPA, GHANA

AGBOKPA IS A REMOTE FISHING VILLAGE LOCATED ON THE COAST OF LAKE VOLTA, GHANA. IT'S CIRCUMSTANCES ARE NOT UNCOMMON TO OTHER FISHING VILLAGES AROUND THE LAKE AND AROUND THE WORLD, AS THEY ARE CUT OFF FROM THE POWER GRID. THE VILLAGERS OF AGBOKPA DEPEND ON THE NATURAL RESOURCES IN THE LAKE FOR THEIR EVERYDAY LIFE BUT THEIR LACK OF ELECTRICITY REDUCES THEIR ECONOMIC POTENTIAL. THERE ARE APPROXIMATELY 500 RESIDENTS THAT FARM OR FISH IN THE VILLAGE OF AGBOKPA AND THESE PEOPLE'S INCOME IS DEPENDENT ON MAKING THEIR WAY ACROSS THE LAKE TO SELL THEIR PRODUCE AND FISH ON MARKET DAYS IN THE LARGER VILLAGE OF KOTOSO (PICTURED BELOW). THEREFORE, IT IS ESSENTIAL THAT THE FISH AND PRODUCE STAY FRESH UNTIL MARKET DAY. CURRENTLY, VILLAGERS OF AGBOKPA HAVE NO ACCESS TO REFRIGERATION OR ICE, AND ARE STORING FISH IN NETS IN THE WATER IN HOPES OF KEEP THEM ALIVE AS LONG AS POSSIBLE, INEVITABLY RESULTING IN VAST SPOILAGE. THE LACK OF AN EFFECTIVE METHOD OF PRESERVATION AND WATER FILTRATION IN THE VILLAGE OF AGBOKPA, AND MANY VILLAGES LIKE IT, REDUCES THEIR ECONOMIC POTENTIAL AND FORCES THEM INTO A CYCLE OF EXTREME POVERTY. WE BELIEVE THAT WITH THE ADDITION OF THIS SYSTEM, THE VILLAGE WILL BE ABLE TO SCALE THEIR ECONOMY AND INCREASE THE WELLBEING OF THE ENTIRE VILLAGE.

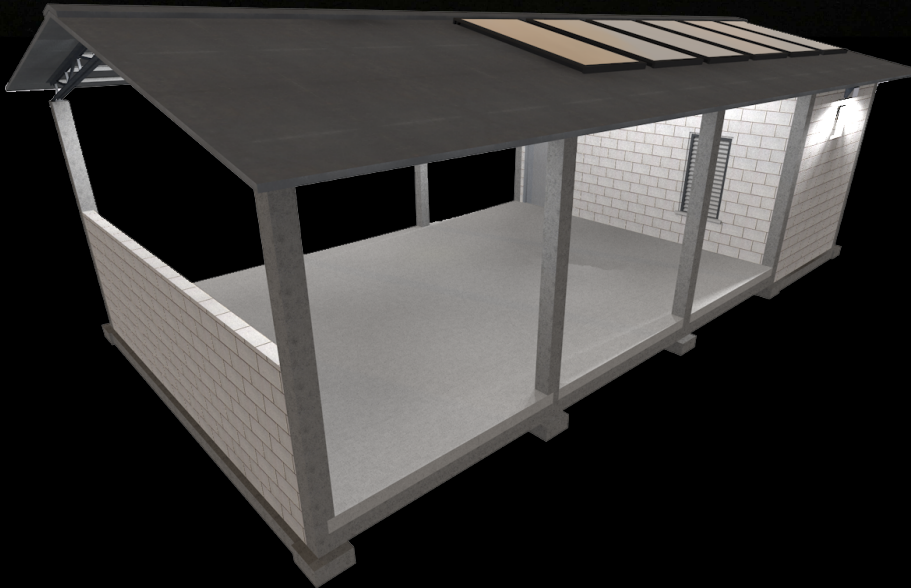
PROJECT SUMMARY

CAL POLY SAN LUIS OBISPO'S MOTTO HAS LONG BEEN, "LEARN BY DOING" AND FOR CAL POLY'S NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION(NECA) CHAPTER, THIS ISNT SIMPLY A MOTTO, BUT A DIRECTIVE FOR PROACTIVE CHANGE. NECA HAS EMBODIED AND ACTIVELY EMULATED THIS MOTTO THROUGH INTERNATIONAL PROJECTS ACROSS THE GLOBE. OUR CURRENT TEAM HAS DESIGNED AND WILL BE BUILDING A 5.2 KW PHOTOVOLTAIC ARRAY, COMMUNITY CENTER, REFRIGERATION/FREEZING CENTER AND WATER FILTRATION/IRRIGATION SYSTEMS IN THE REMOTE FISHING VILLAGE OF AGBOKPA, GHANA.THROUGH OUR DEDICATED TEAM POSSESSING DIVERSE TALENTS AND INTERESTS, GOOD RELATIONS WITH THE CHIEF OF AGBOKPA AND OTHER COMMUNITY MEMBERS, AND A PROVEN TRACK RECORD OF SUCCESSFUL PROJECTS, WE BELIEVE THAT OUR TEAM CAN MAKE A LASTING IMPACT FOR THE VILLAGE OF AGBOKPA.

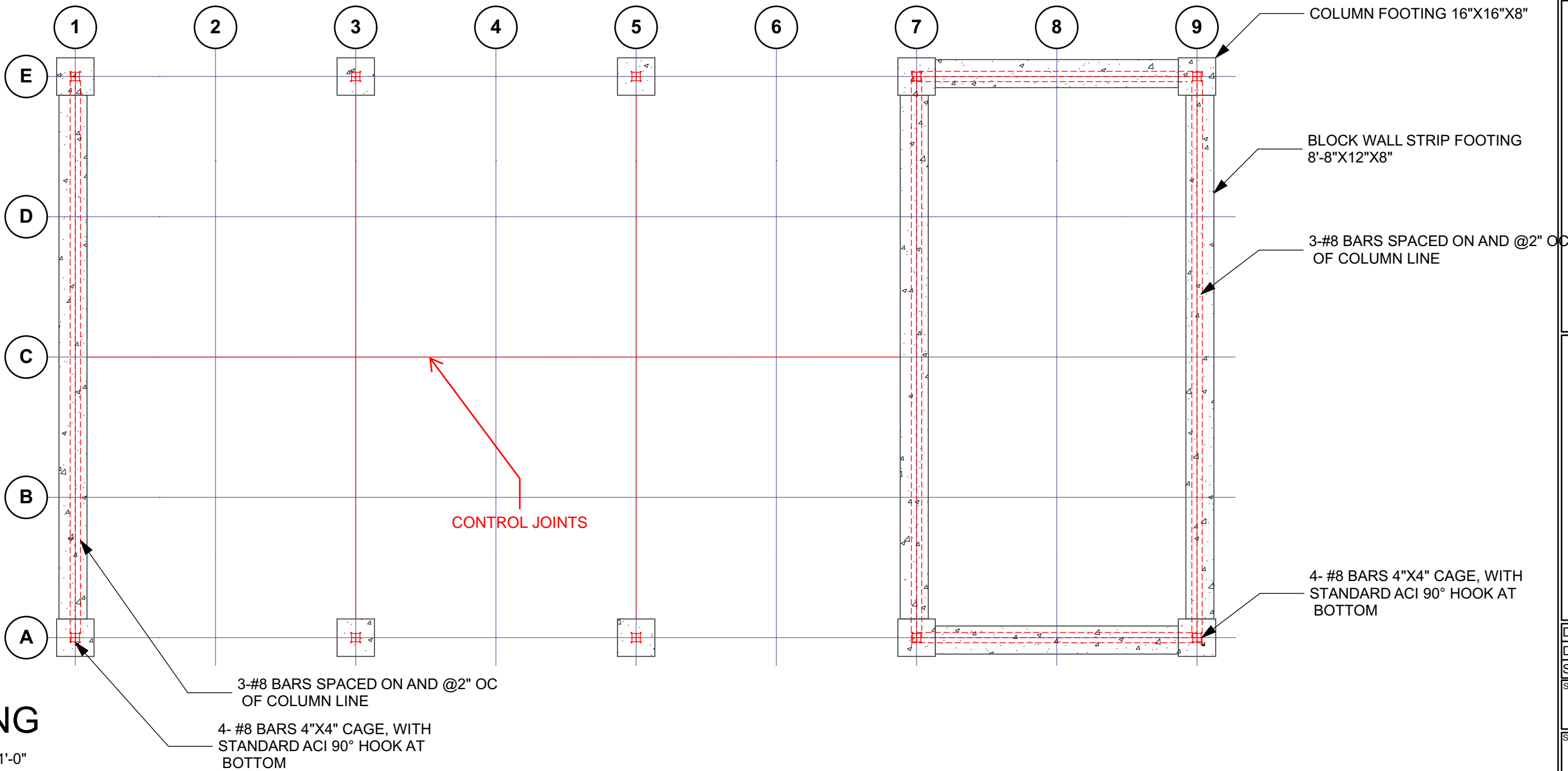
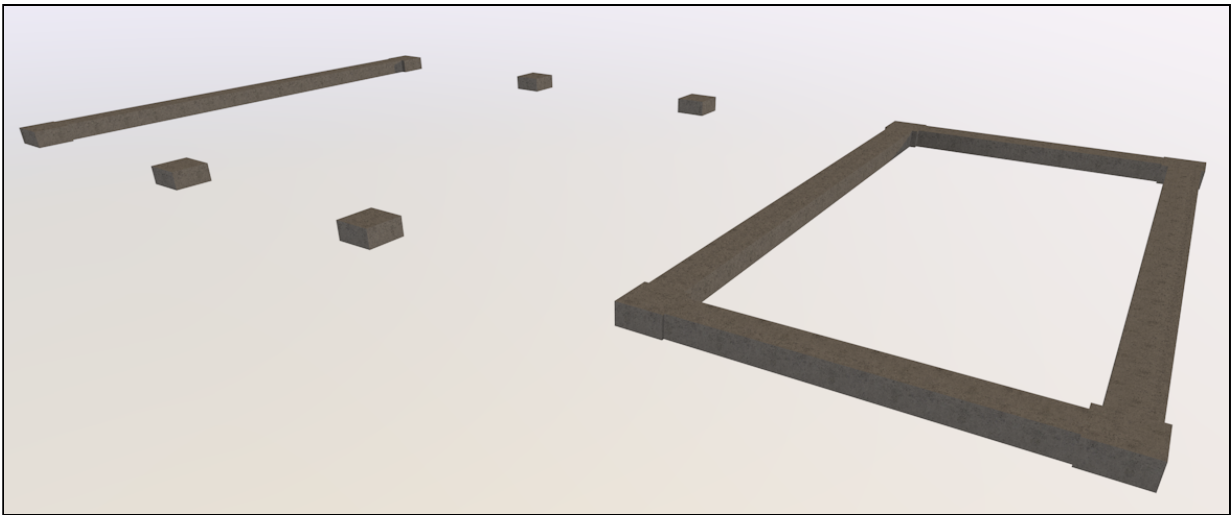


SHEET INDEX

- T-01 TITLE SHEET
- S-01 FOOTING
- S-02 SLAB, BLOCK WALLS AND COLUMNS
- S-03 CMU ELEVATION (E-W)
- S-04 CMU ELEVATION (N-S)
- S-05 COLUMN, FOOTING AND THICKENED SLAB DETAIL
- S-06 STEEL TRUSS
- S-07 STEEL TRUSS ELEVATION (E-W)
- S-08 STEEL TRUSS ELEVATION (N-S)
- S-09 STEEL TRUSS DETAIL
- S-10 ALUMINUM ROOF
- E-01 LIGHTING AND POWER
- E-02 WIRING DIAGRAM
- CP-01 CONSTRUCTION PROCESS
- CP-02 CONSTRUCTION PROCESS
- CP-03 CONSTRUCTION PROCESS



Market Village Kotoso, Ghana



FOOTING

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



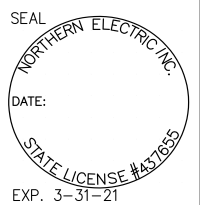
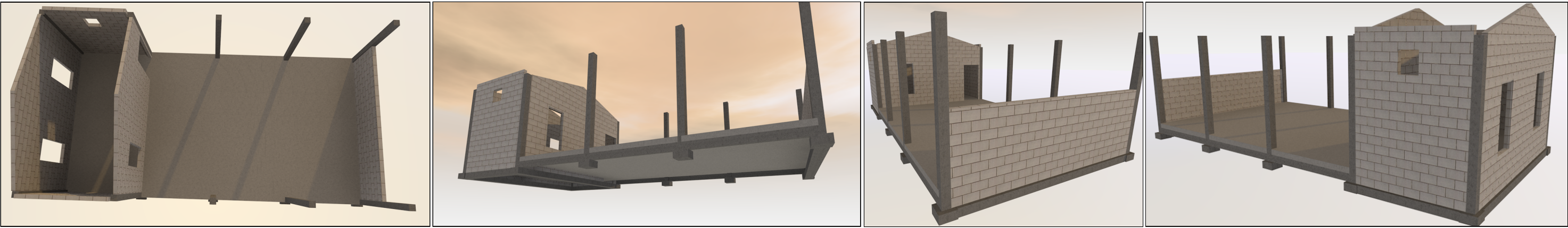
NOTE:
THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NORTHERN ELECTRIC INC. AND WAS PREPARED FOR THE EXCLUSIVE USE OF NORTHERN ELECTRIC INC. FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM. NO USE, REPRODUCTION OR DUPLICATION OF THIS DRAWING IN PART OR WHOLE MAY BE MADE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	MARK		DATE	DESCRIPTION	MARK	DATE	DESCRIPTION
	DATE	TBD	PERMIT SET				

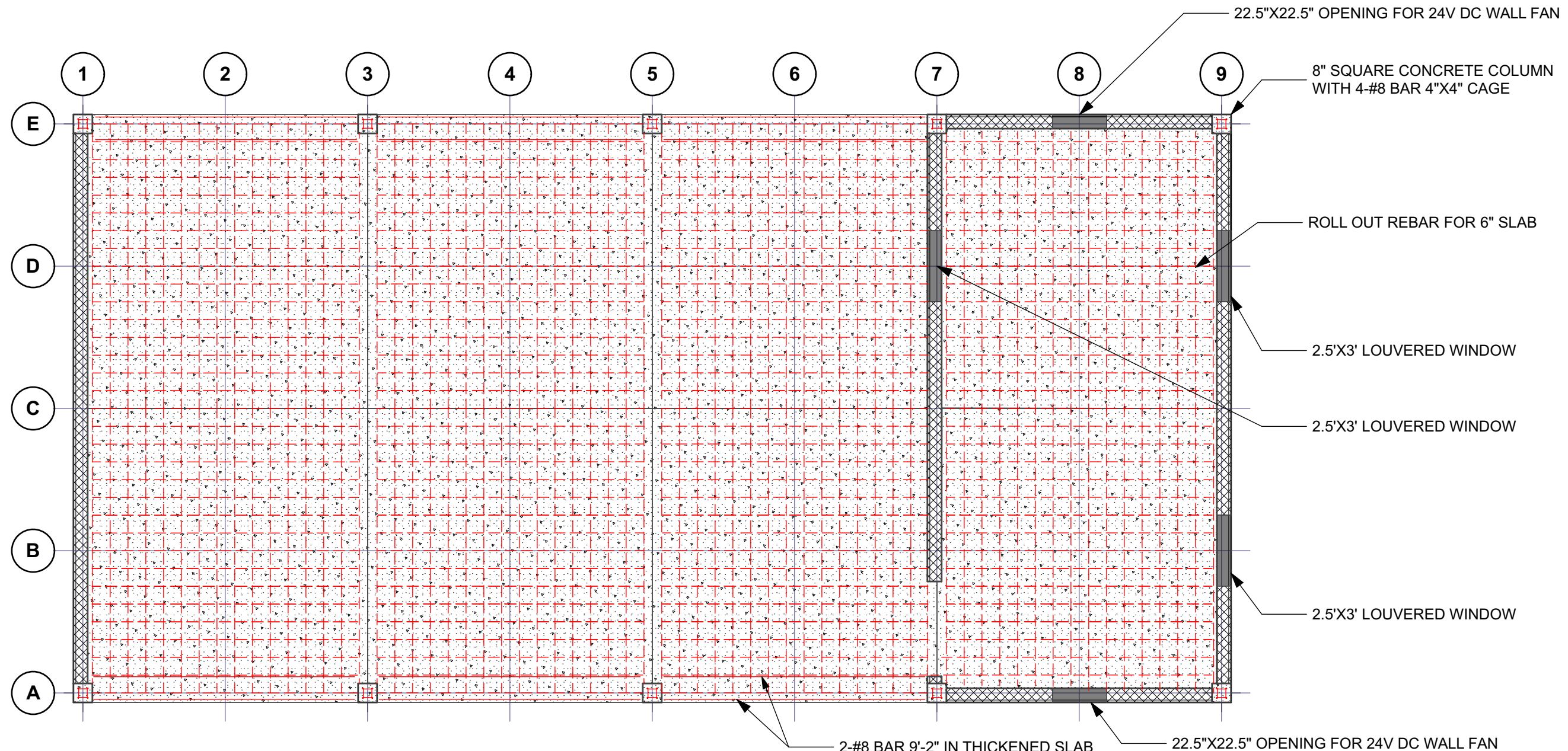
DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
FOOTING

SHEET NUMBER:
S-01



NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO



SLAB, BLOCK WALL FOUNDATION AND COLUMNS

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

REVISIONS	MARK				DESCRIPTION		DATE	
	DATE	DESCRIPTION	MARK	DATE	PERMIT SET			
	TBD							

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
SLAB, BLOCK WALL
AND COLUMNS

SHEET NUMBER:
S-02

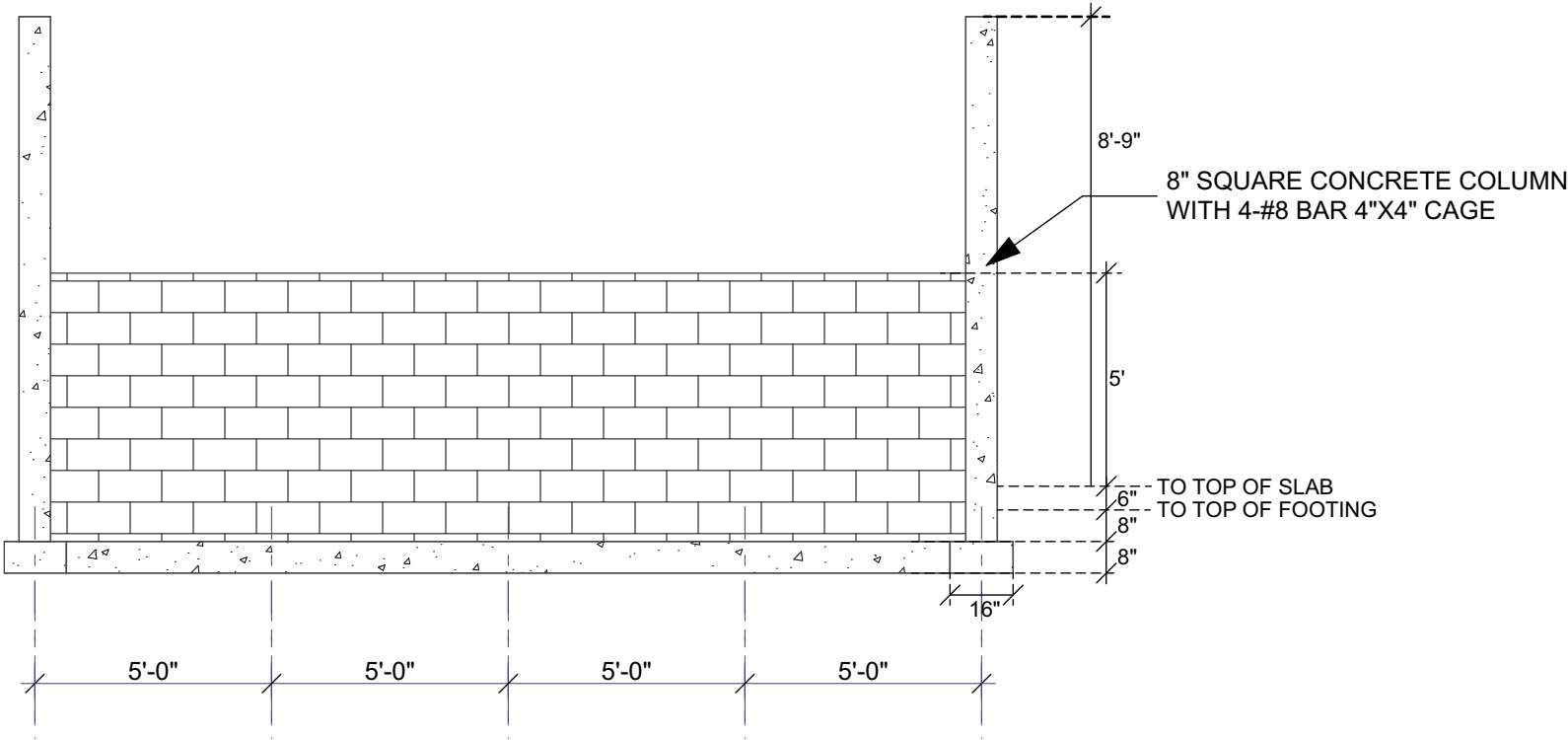
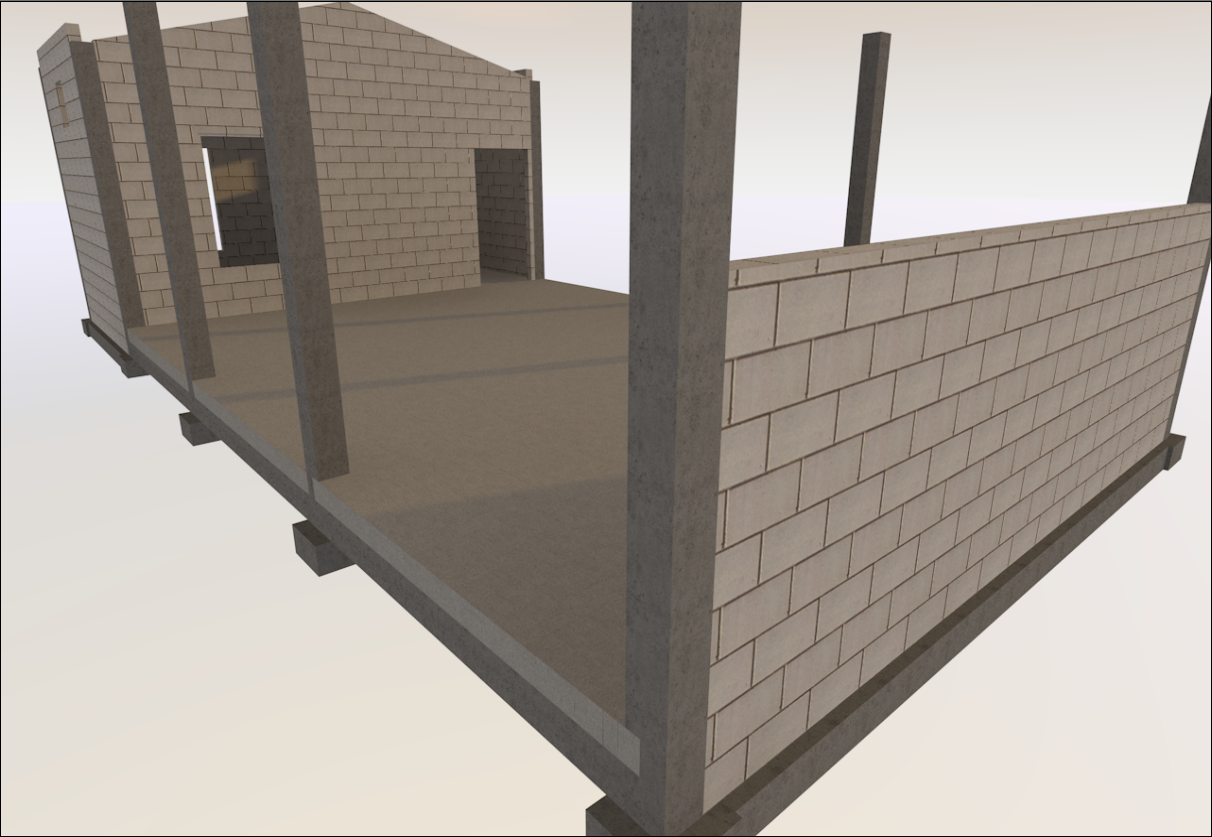


NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

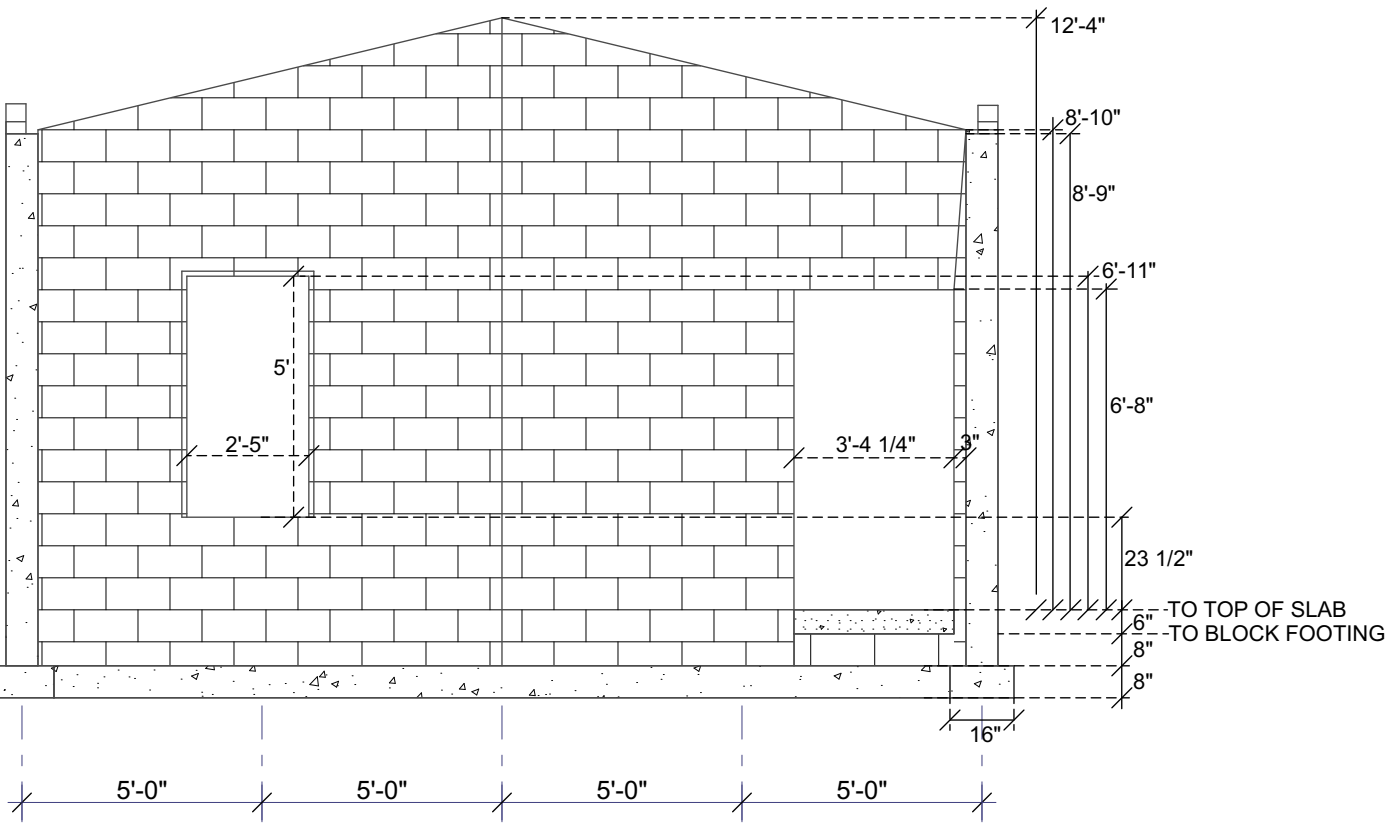
REVISIONS	MARK		DESCRIPTION		DATE		MARK		DATE		DESCRIPTION	
	DATE	TBD	PERMIT	SET								

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
CONCRETE
ELEVATIONS E-W
SHEET NUMBER:
S-03



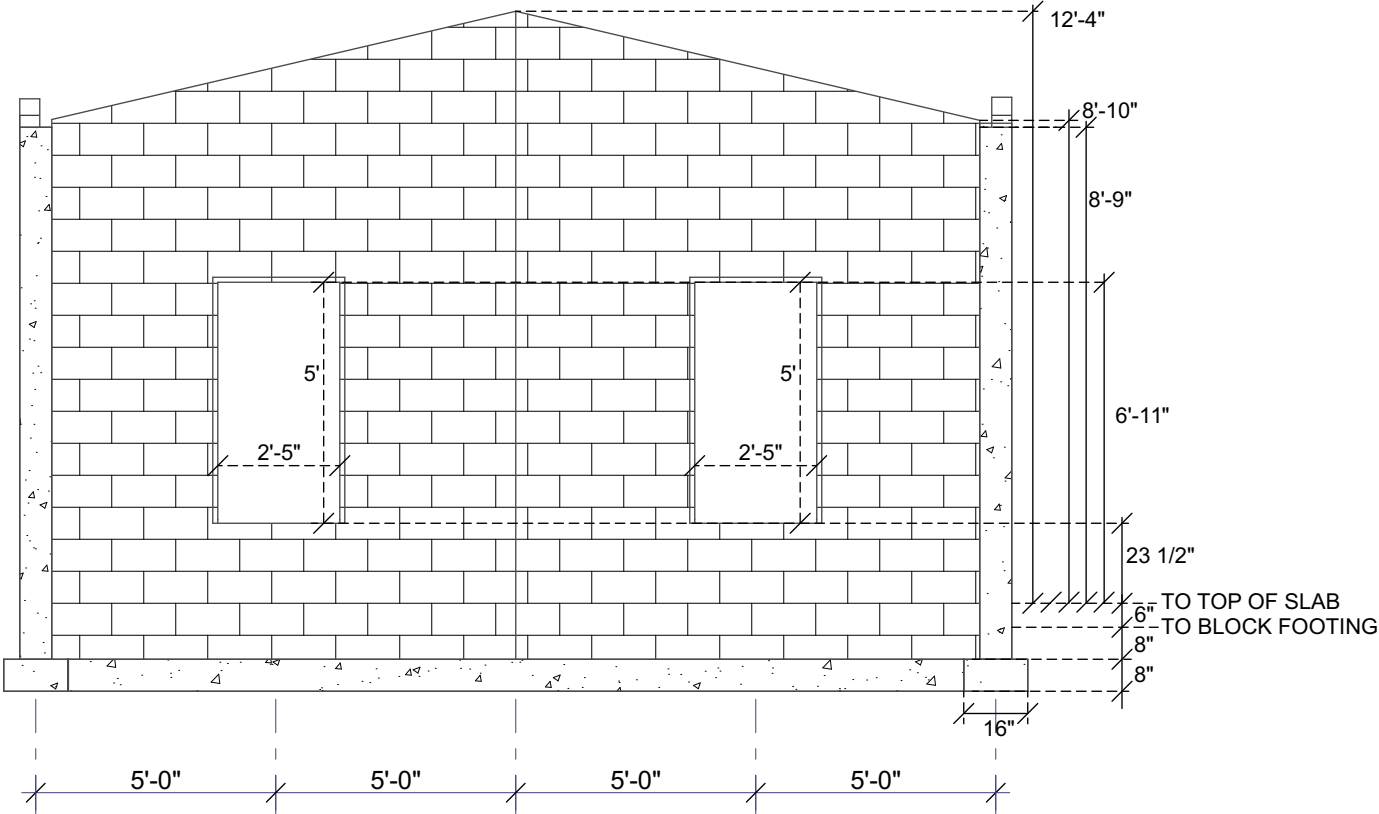
COLUMN LINE 1

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



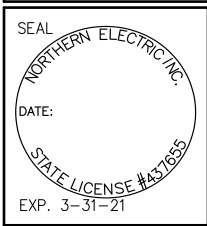
COLUMN LINE 7

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



COLUMN LINE 9

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



NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT

MICHAEL KLEE

CAL POLY SLO

REVISIONS	DESCRIPTION				DATE		MARK		DESCRIPTION	
	DATE	DESCRIPTION	MARK	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION

DRAWN BY:

DATE:

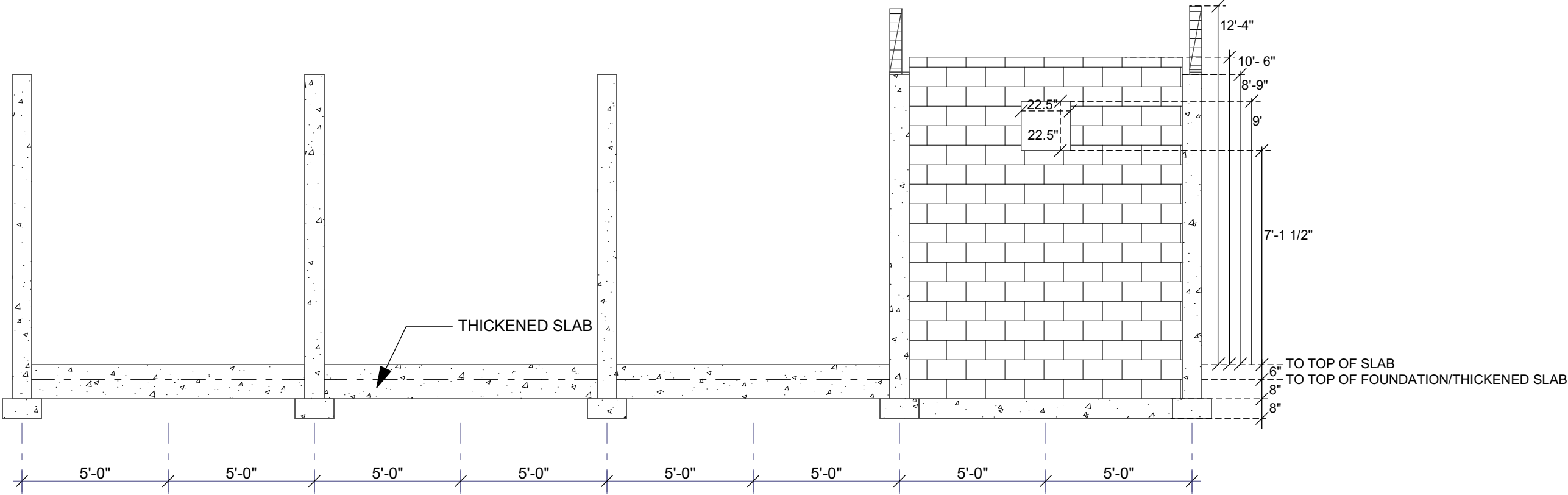
SCALE:

SHEET TITLE:

CONCRETE
ELEVATIONS N-S

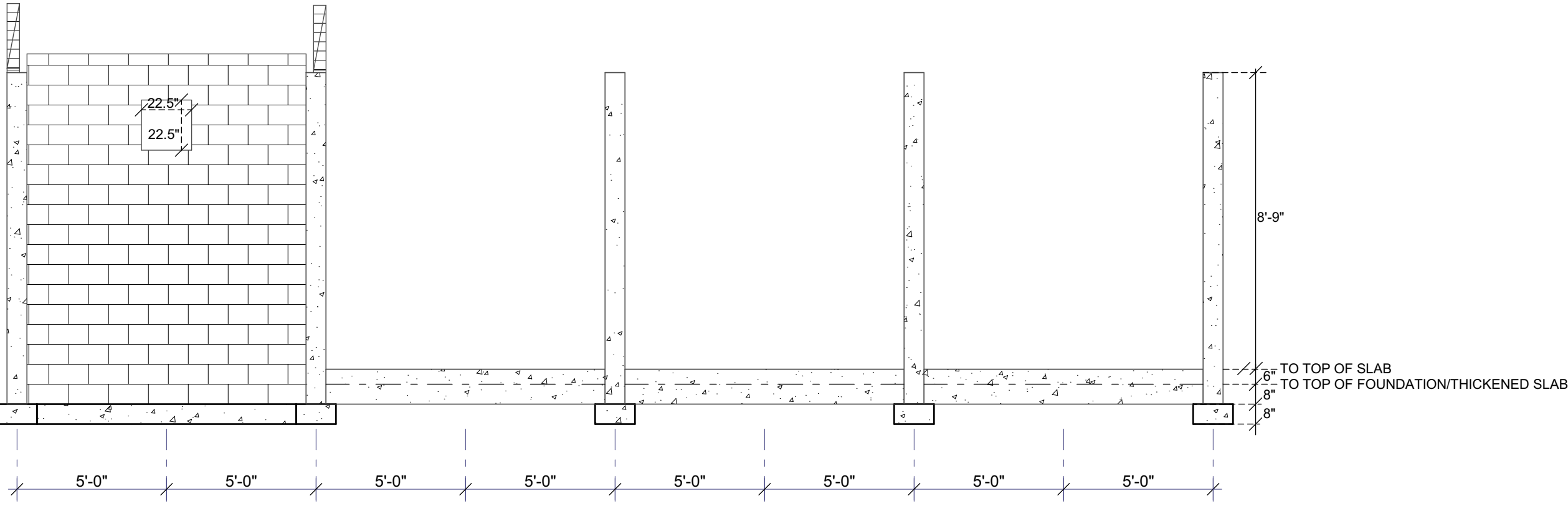
SHEET NUMBER:

S-04



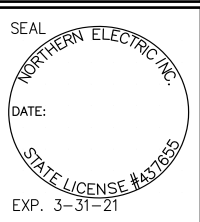
COLUMN LINE A

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



COLUMN LINE E

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



NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	MARK	DESCRIPTION	DATE	PERMIT SET
	DATE	DESCRIPTION	DATE	PERMIT SET

DRAWN BY:

DATE:

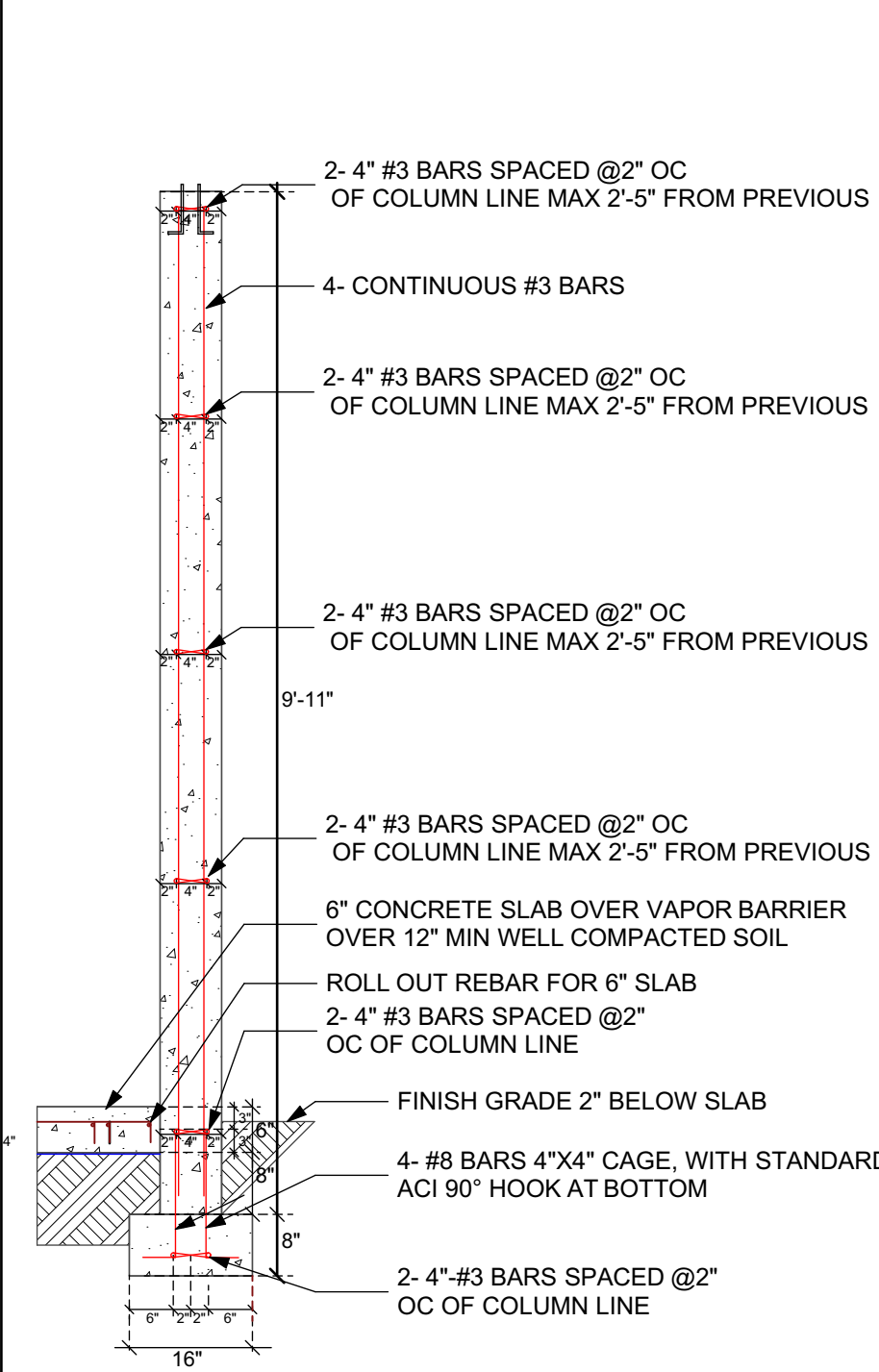
SCALE:

SHEET TITLE:

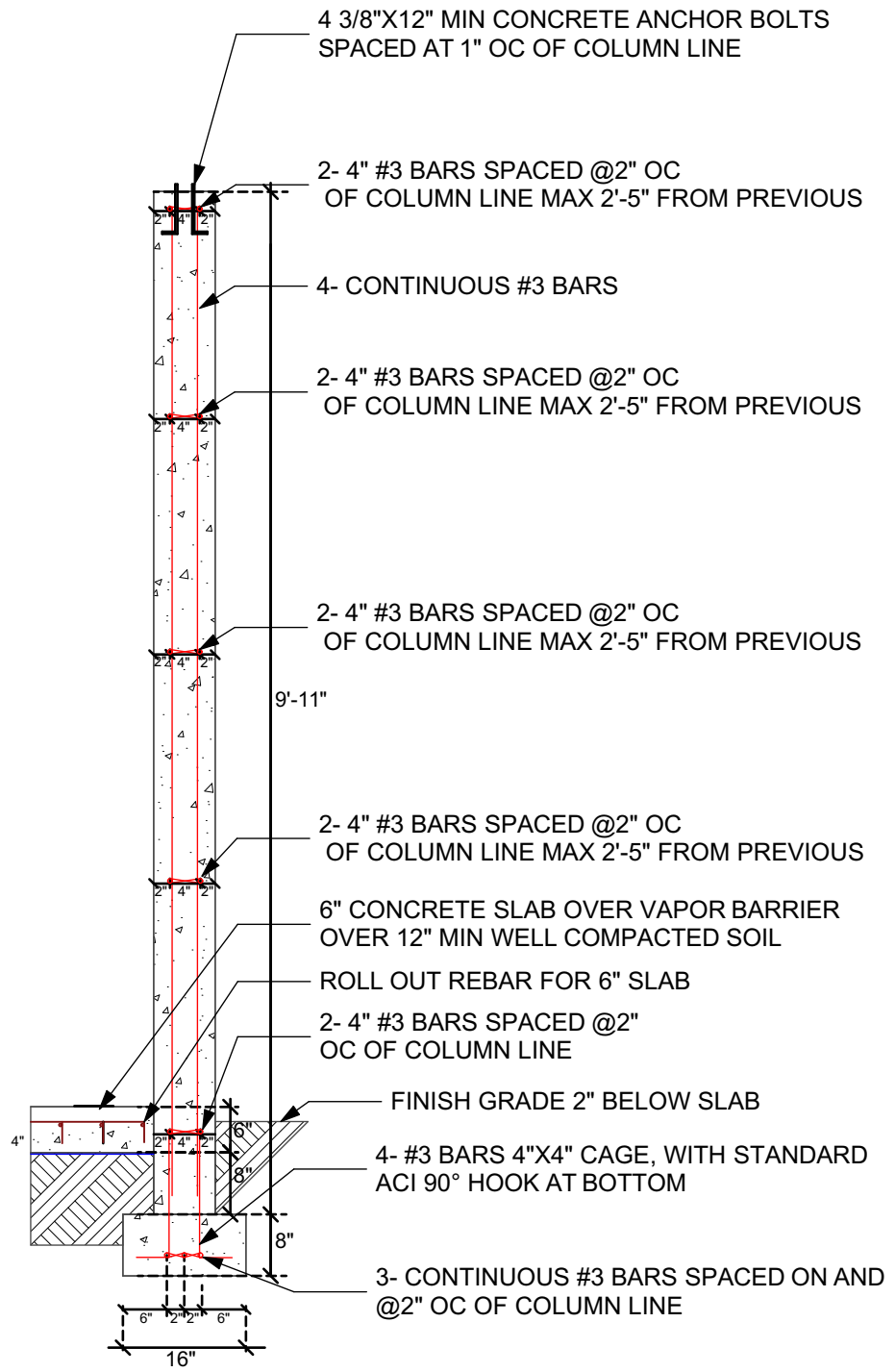
CONCRETE
DETAILS

SHEET NUMBER:

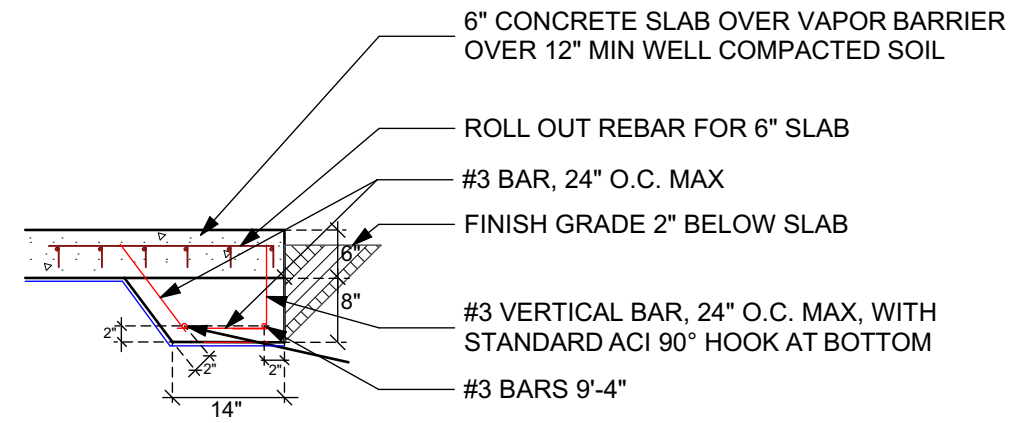
S-05



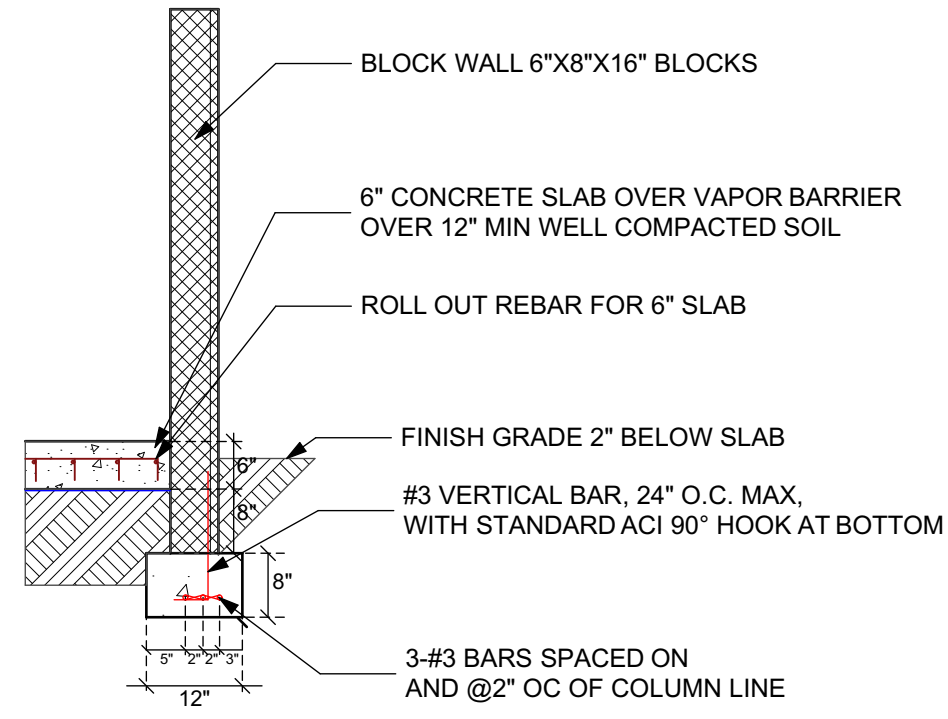
COLUMN FOOTING
(FREESTANDING)
SCALE: 1/2" = 1'-0"



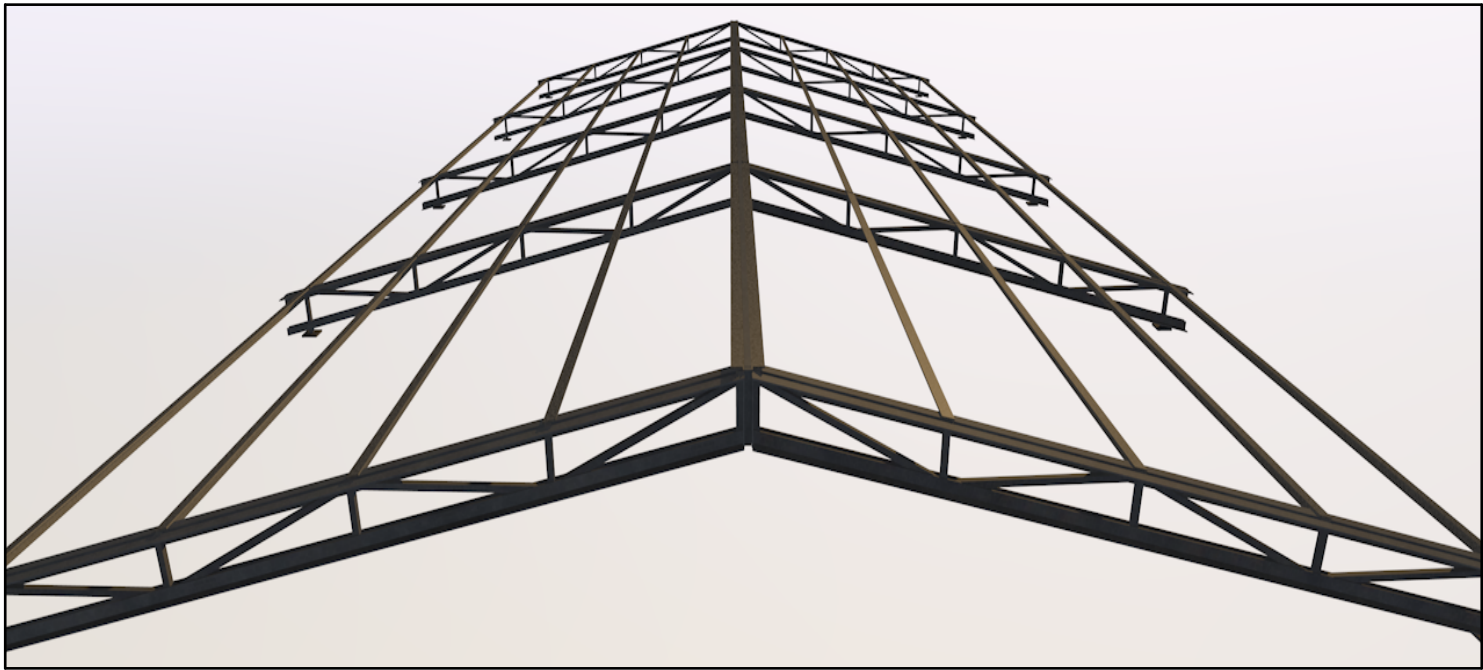
COLUMN FOOTING
(CONNECTED TO STRIP FOOTING)
SCALE: 1/2" = 1'-0"



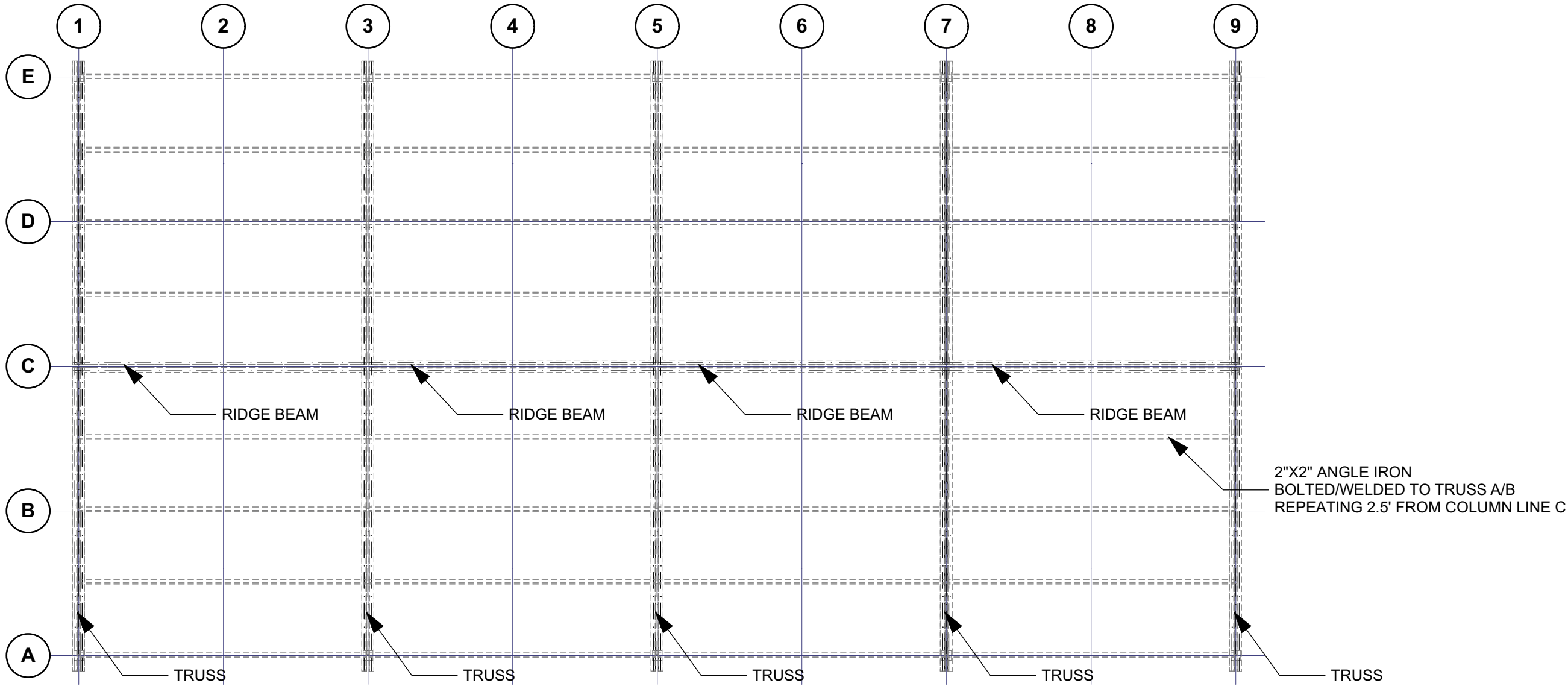
THICKENED SLAB
SCALE: 1/2" = 1'-0"



BLOCK WALL FOOTING
SCALE: 1/2" = 1'-0"



NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.



STEEL TRUSS

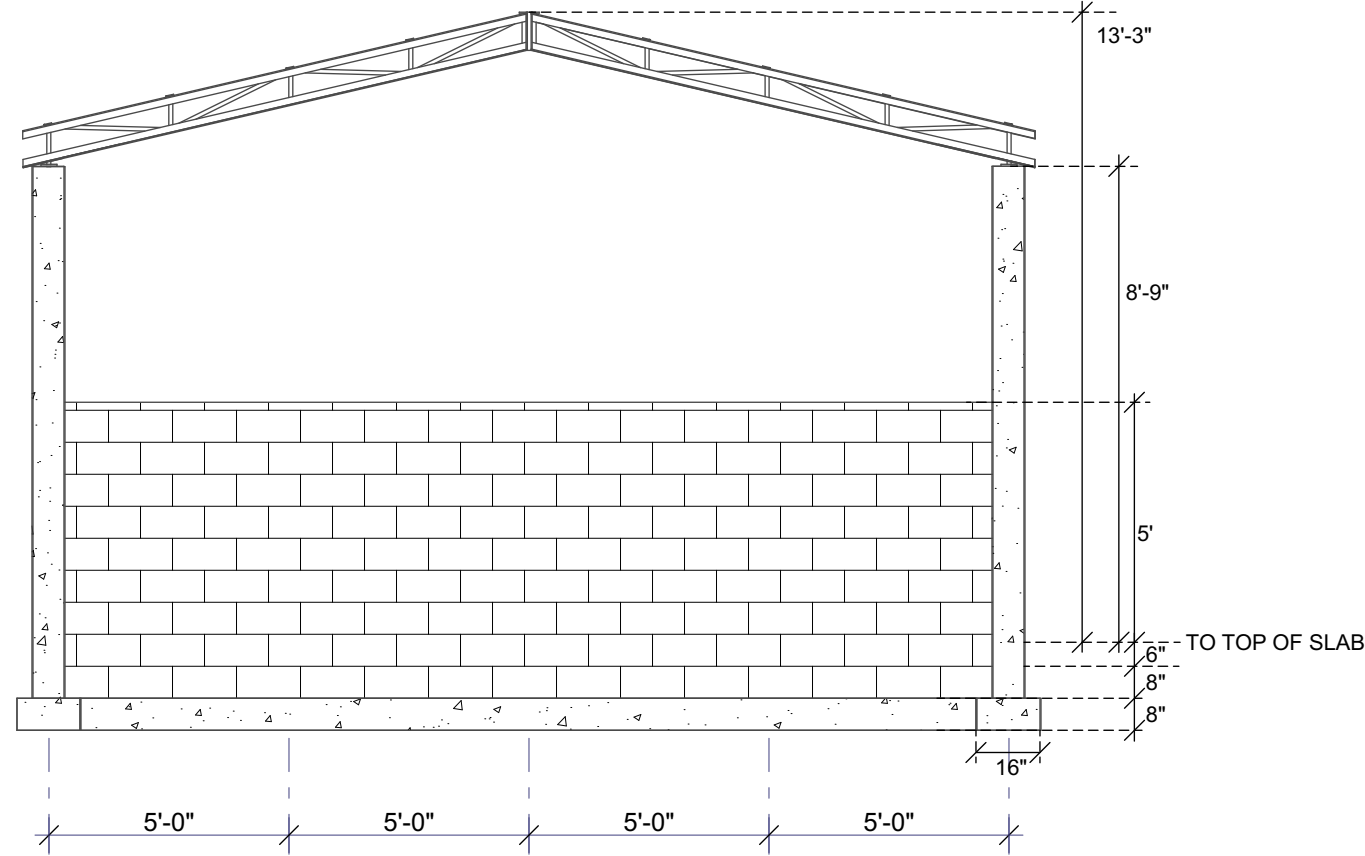
SCALE: 1/4" = 1'-0"

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	MARK		DESCRIPTION		DATE		MARK		DESCRIPTION		DATE	
	DATE	DESCRIPTION	MARK	PERMIT SET	TBD							

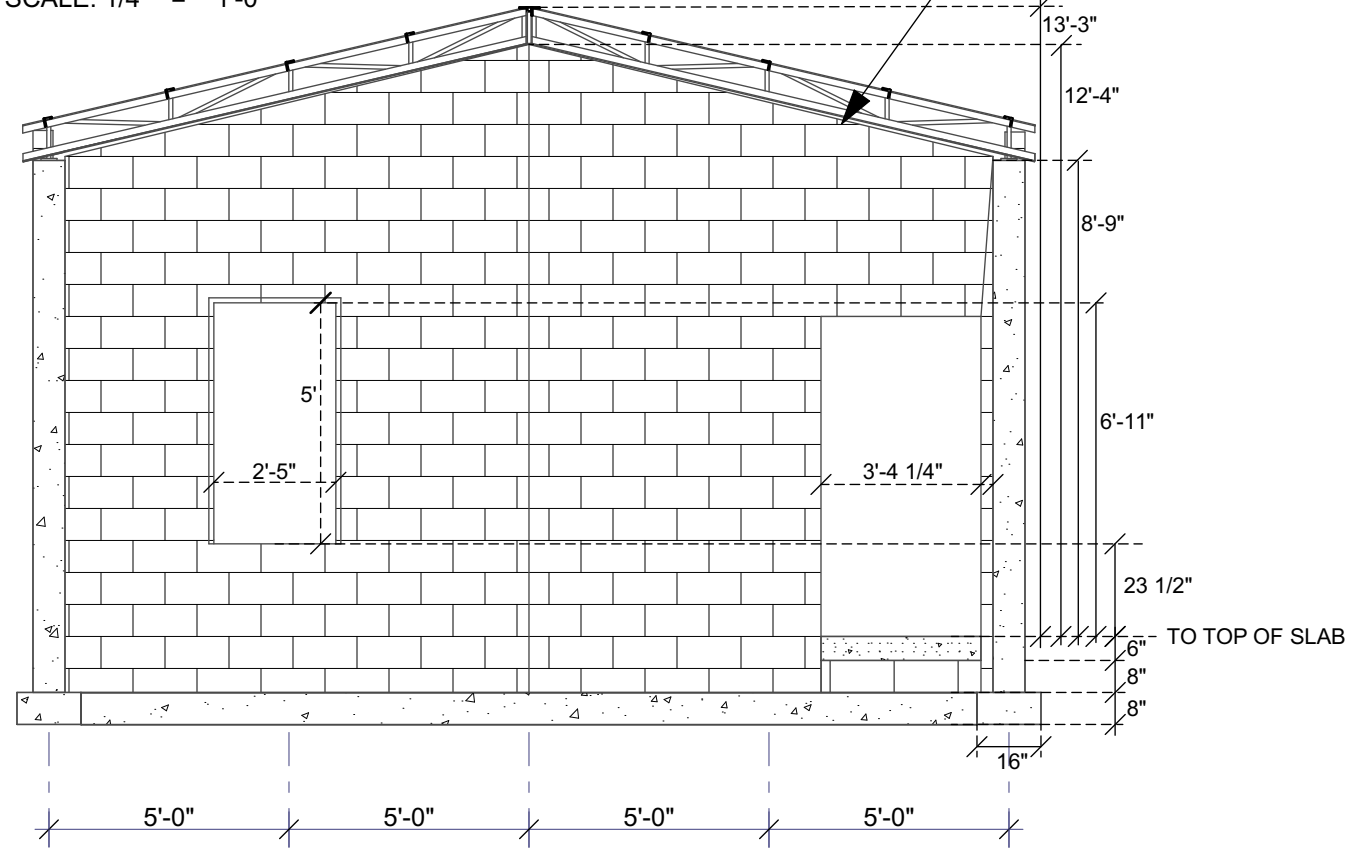
DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
STEEL TRUSS

SHEET NUMBER:
S-06



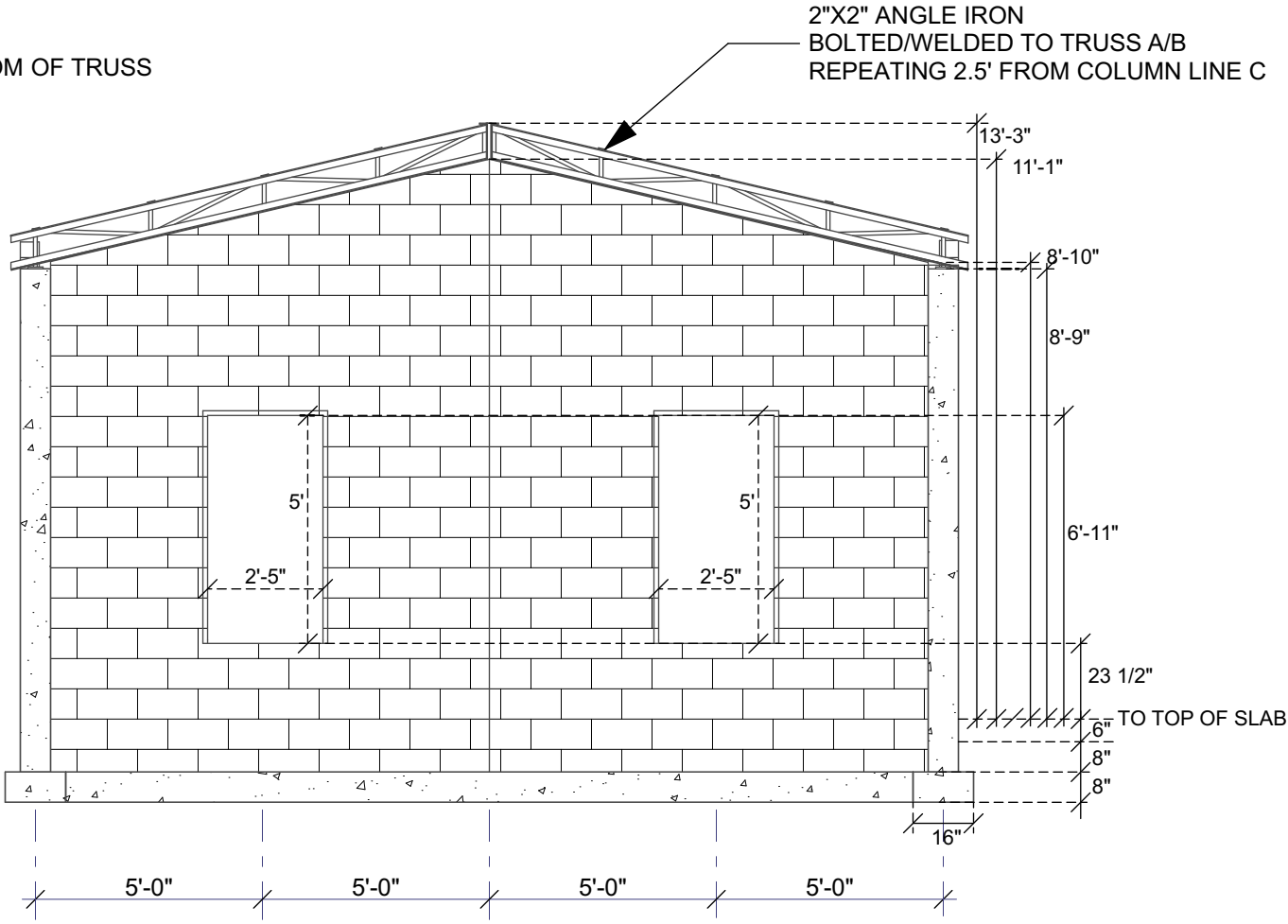
COLUMN LINE 1

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



COLUMN LINE 7

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



COLUMN LINE 9

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

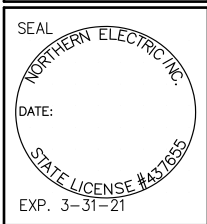
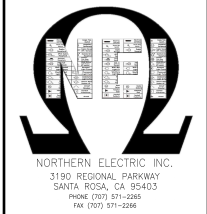


NOTE: THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NORTHERN ELECTRIC INC. AND WAS PREPARED FOR THE EXCLUSIVE USE OF NORTHERN ELECTRIC INC. FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM. NO USE, REPRODUCTION OR DUPLICATION OF THIS DRAWING IN PART OR WHOLE MAY BE MADE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	DESCRIPTION				DATE				MARK				PERMIT SET			
	DATE	DESCRIPTION	MARK	DATE	DATE	DESCRIPTION	MARK	DATE	DATE	DESCRIPTION	MARK	DATE	DATE	DESCRIPTION	MARK	DATE

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
STEEL TRUSS
ELEVATIONS E-W
SHEET NUMBER:
S-07



NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT

MICHAEL KLEE
CAL POLY SLO

REVISIONS	MARK		DESCRIPTION		DATE	MARK	DESCRIPTION	
	DATE	TBD	DESCRIPTION	PERMIT SET				

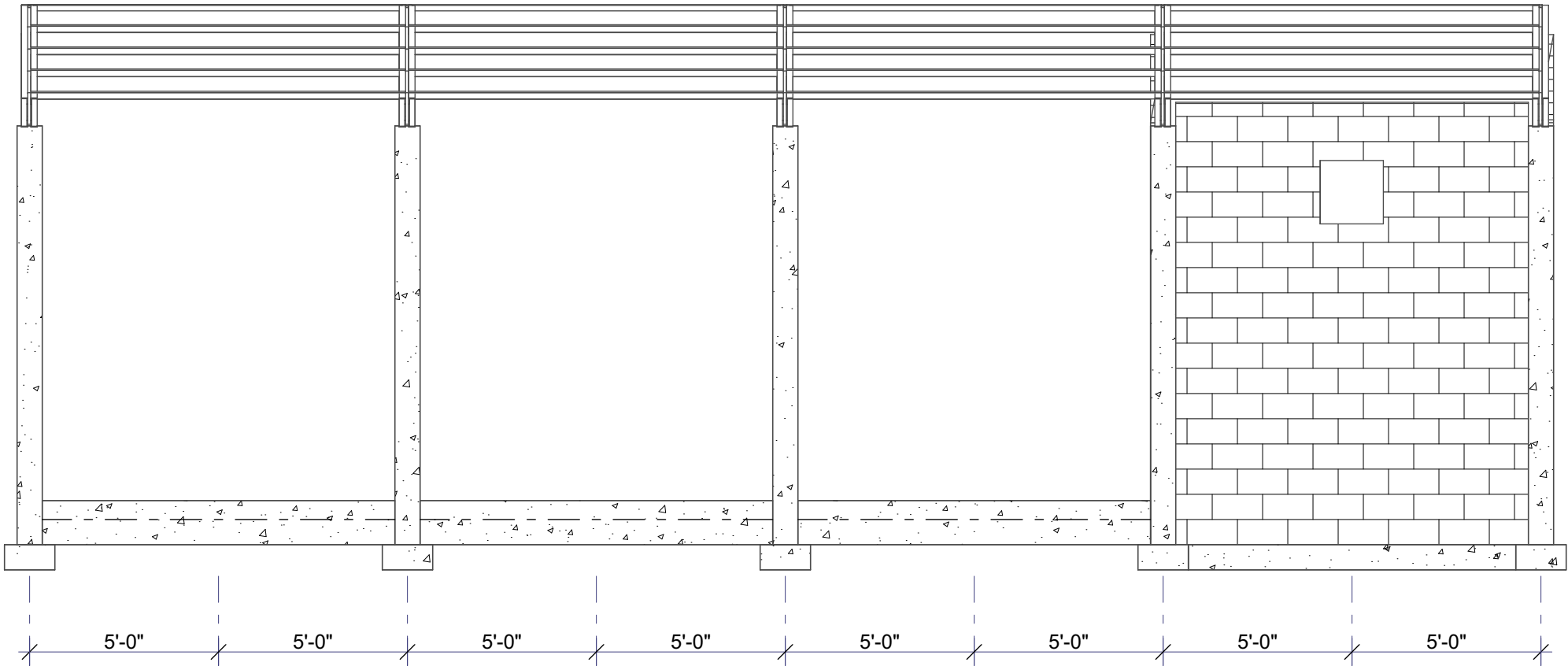
DRAWN BY:

DATE:

SCALE:

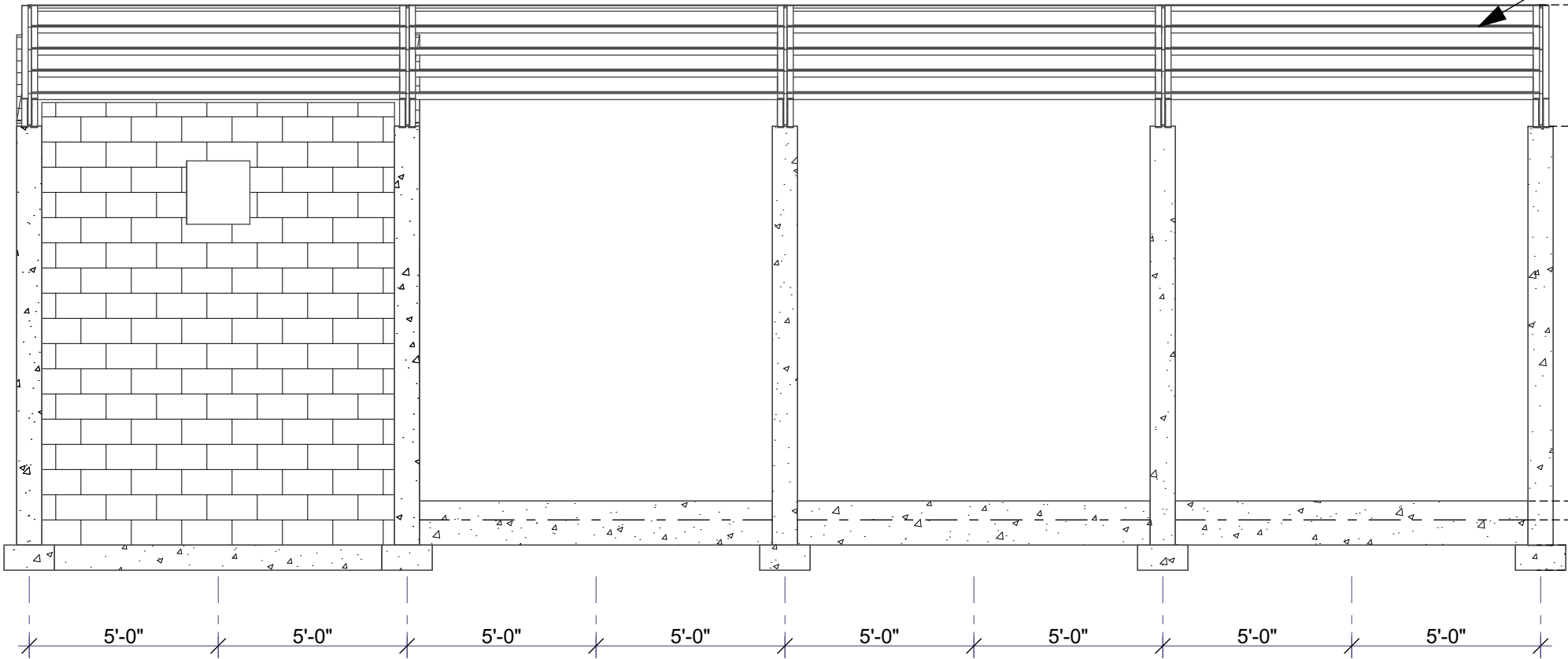
SHEET TITLE:
STEEL TRUSS
ELEVATIONS N-S

SHEET NUMBER:
S-08



COLUMN LINE A

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



COLUMN LINE E

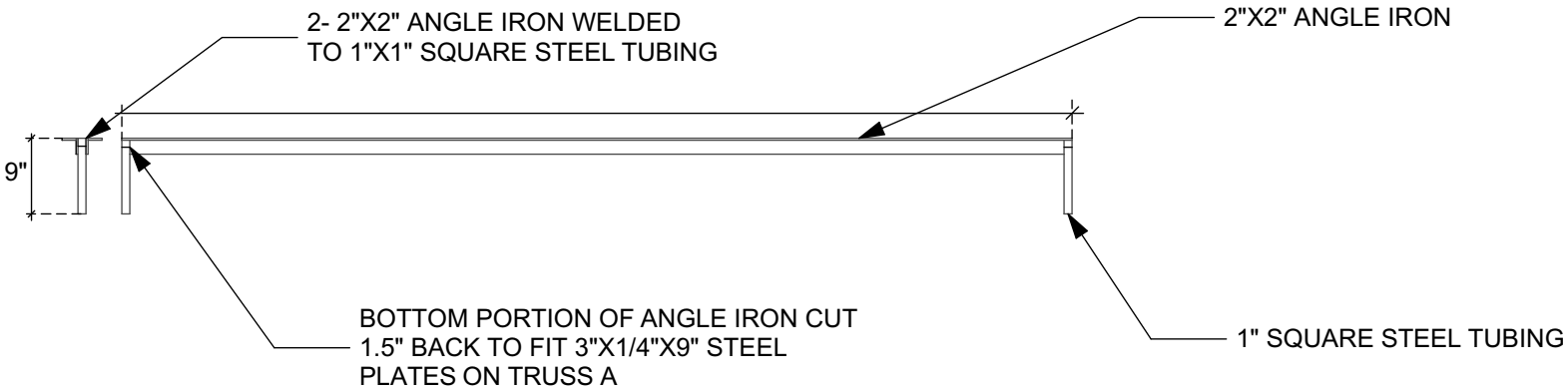
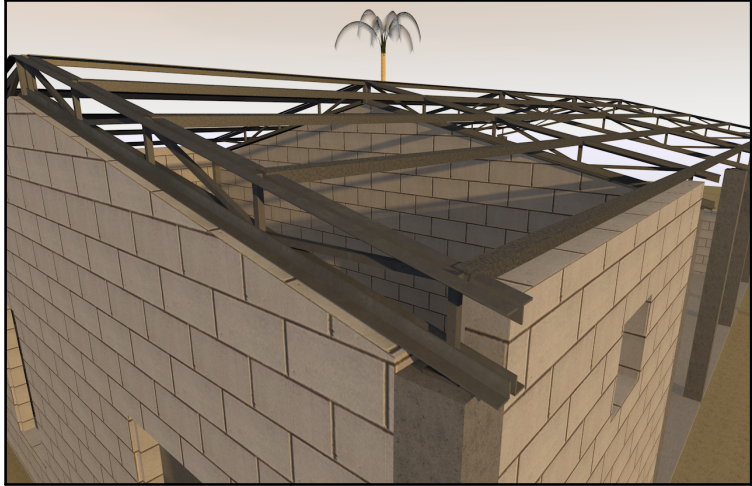
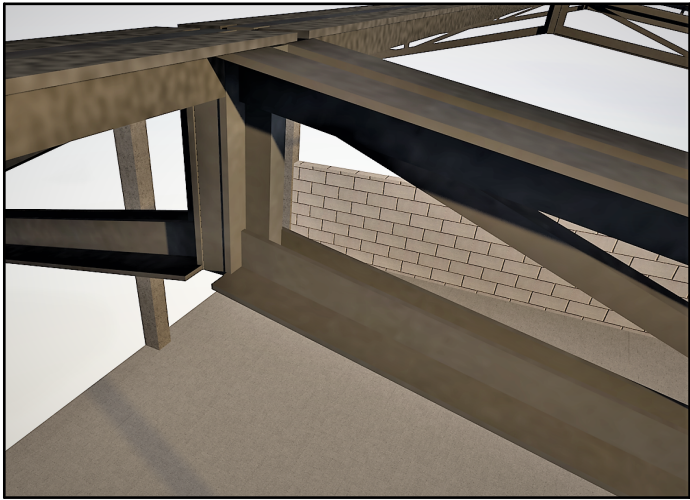
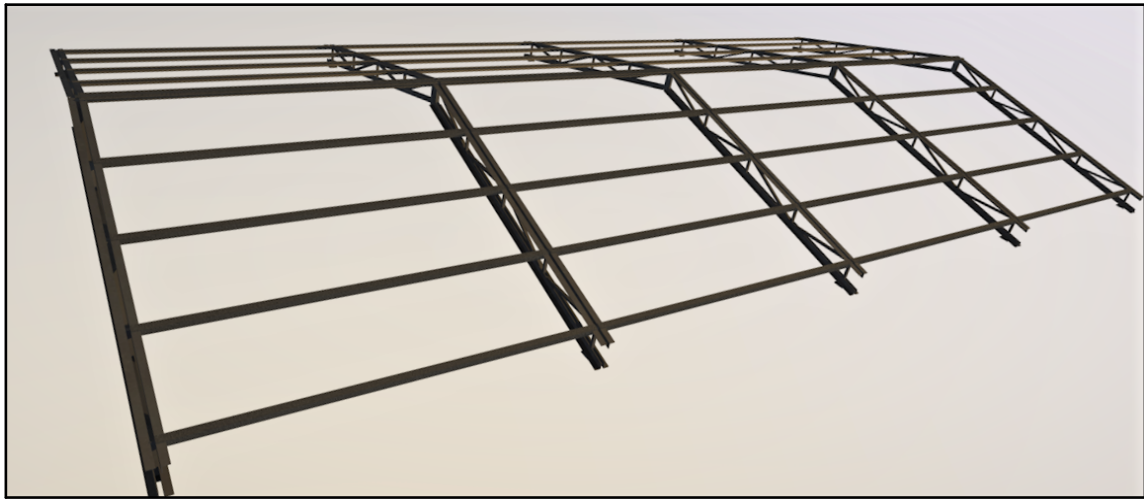
SCALE: 1/4" = 1'-0"

2"X2" ANGLE IRON
BOLTED/WELDED TO TRUSS A/B
REPEATING 2.5' FROM COLUMN LINE C

13'-3"

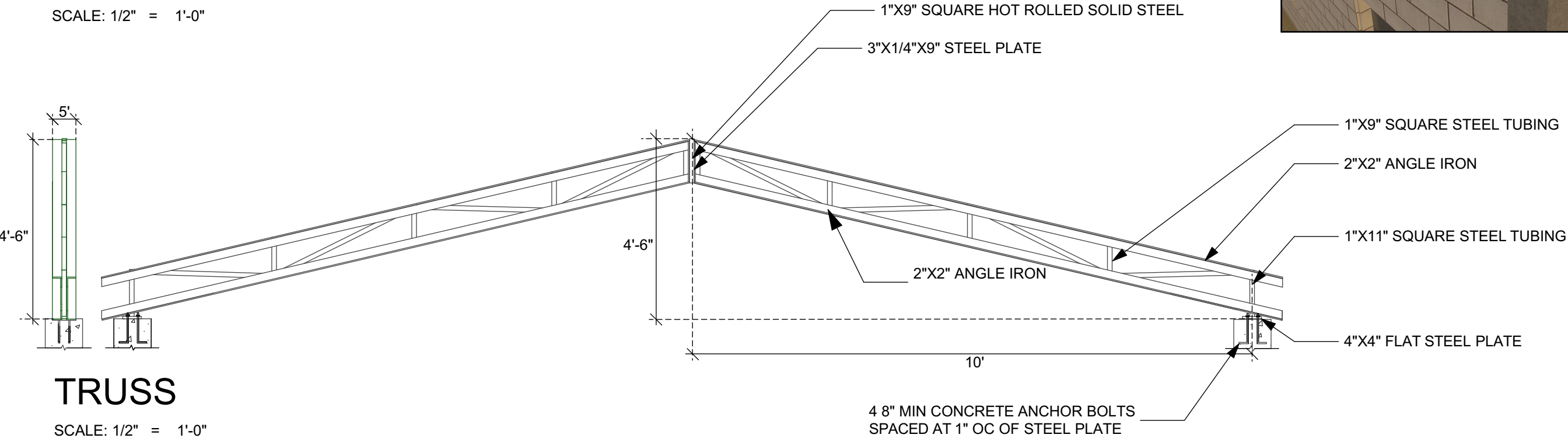
8'-9"

6" TO TOP OF SLAB
8" TO TOP OF FOUNDATION/THICKENED SLAB



RIDGE BEAM

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



TRUSS

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



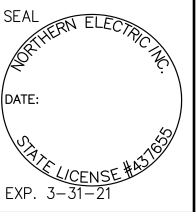
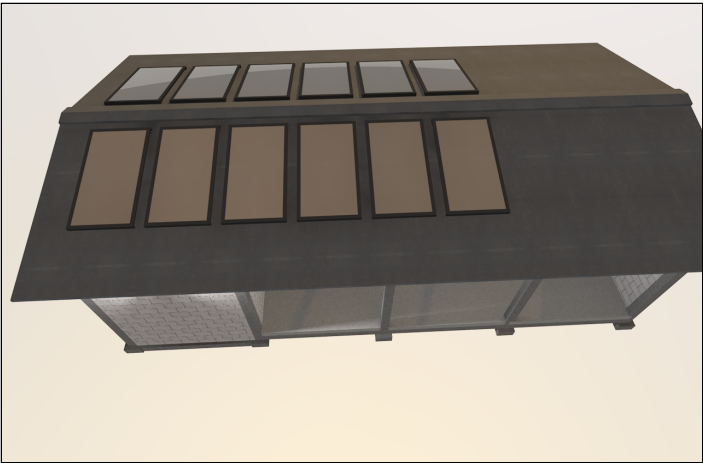
NOTE: THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NORTHERN ELECTRIC INC. AND WAS PREPARED FOR THE EXCLUSIVE USE OF NORTHERN ELECTRIC INC. FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM. NO USE, REPRODUCTION OR DUPLICATION OF THIS DRAWING IN PART OR WHOLE MAY BE MADE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	DESCRIPTION				DATE				MARK			
	MARK	DATE	DESCRIPTION	PERMIT SET	MARK	DATE	DESCRIPTION	PERMIT SET	MARK	DATE	DESCRIPTION	PERMIT SET

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
STEEL TRUSS
DETAIL

SHEET NUMBER:
S-09

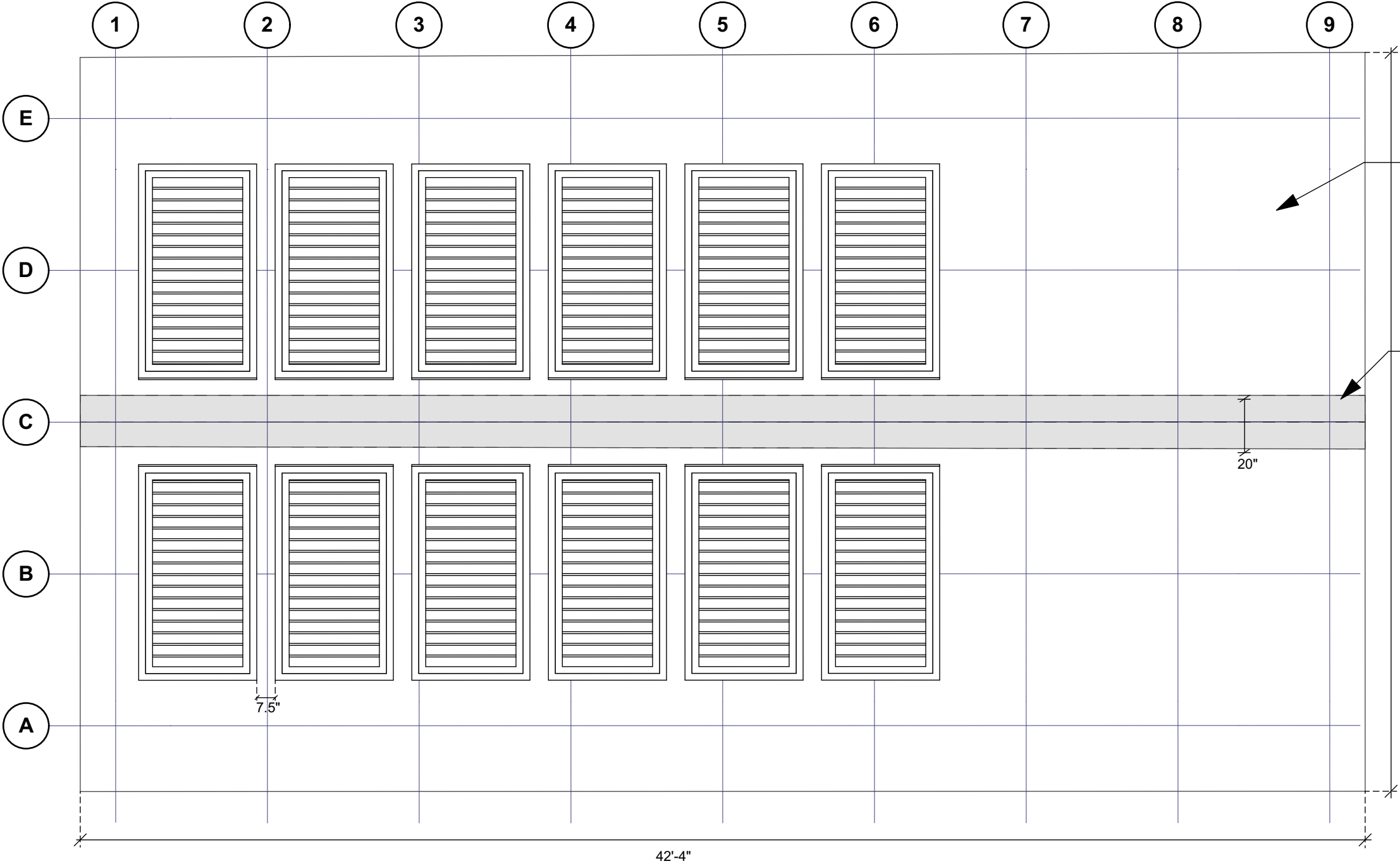


NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

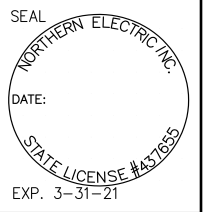
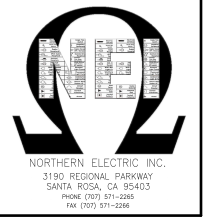
REVISIONS	MARK		DESCRIPTION		DATE		MARK		DESCRIPTION		DATE	
	DATE	TBD	DATE	PERMIT SET	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
ALUMINUM ROOF
SHEET NUMBER:
S-10



ALUMINUM ROOF

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



NOTE: THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NORTHERN ELECTRIC INC. AND WAS PREPARED FOR THE EXCLUSIVE USE OF NORTHERN ELECTRIC INC. FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM. NO USE, REPRODUCTION OR DUPLICATION OF THIS DRAWING IN PART OR WHOLE MAY BE MADE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	MARK		DESCRIPTION		DATE		DATE		DESCRIPTION	
	DATE	MARK	DATE	MARK	DATE	MARK	DATE	MARK	DATE	MARK

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
LIGHTING AND POWER

SHEET NUMBER:
E-01

NOTES

- 1-JELLY JAR FIXTURES TO BE MOUNTED OC OF STEEL RIDGE BEAM
- 2-DAYLIGHT SENSOR TO BE MOUNTED ON THE ALUMINUM ROOF CAP WITH JUNCTION BOX MOUNTED DIRECTLY BELOW TO THE ALUMINUM ROOFING SHEET

LEGEND

- DAYLIGHT SENSOR
- JUNCTION BOX
- POTENTIOMETER SWITCH
- INDUSTRIAL SWITCH
- USB RECEPTACLE
- 24V JELLY-JAR FIXTURE 7 WATTS
- 24V EXTERIOR WALLPACK 12 WATTS
- 24V WALL FAN 122 WATTS
- ELECTRICAL PANEL
- BATTERY RACK

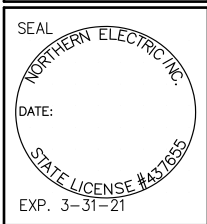
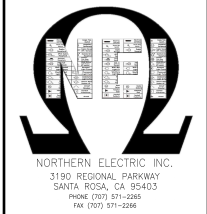
2 USB RECEPTACLES AND 2 STEP DOWN CONVERTERS TO BE INSTALLED IN 4 SQ DEEP BOX OC OF CONCRETE COLUMN 18" ABOVE SLAB (COMMON)

JELLY JAR FIXTURES TO BE MOUNTED IN CORNER OF 2"X2" ANGLE IRON ROOF JOIST ON 22 METAL BRACKET (COMMON)

EXTERIOR WALLPACKS TO BE MOUNTED FLUSH TO CONCRETE WALL 9'-4" ABOVE SLAB

LIGHTING AND POWER

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



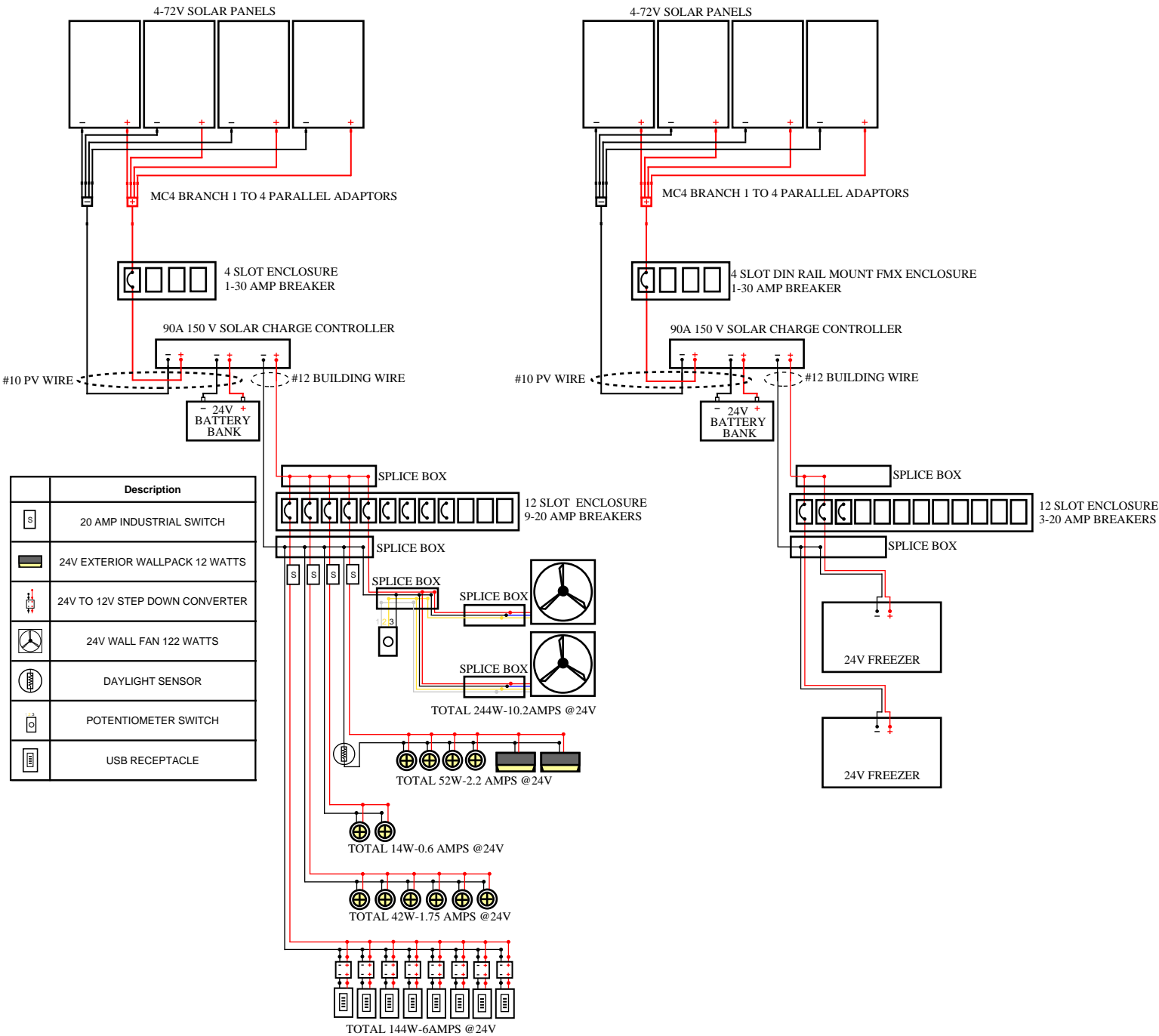
NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	REVISIONS				DESCRIPTION	
	MARK	DATE	PERMIT	SET	DATE	DESCRIPTION
		TBD				

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
WIRING DIAGRAM

SHEET NUMBER:
E-02



	Description
	20 AMP INDUSTRIAL SWITCH
	24V EXTERIOR WALLPACK 12 WATTS
	24V TO 12V STEP DOWN CONVERTER
	24V WALL FAN 122 WATTS
	DAYLIGHT SENSOR
	POTENTIOMETER SWITCH
	USB RECEPTACLE



NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

REVISIONS	MARK		DESCRIPTION		DATE		DESCRIPTION	
	DATE	MARK	DESCRIPTION	PERMIT SET	DATE	MARK	DESCRIPTION	DATE

DRAWN BY:

DATE:

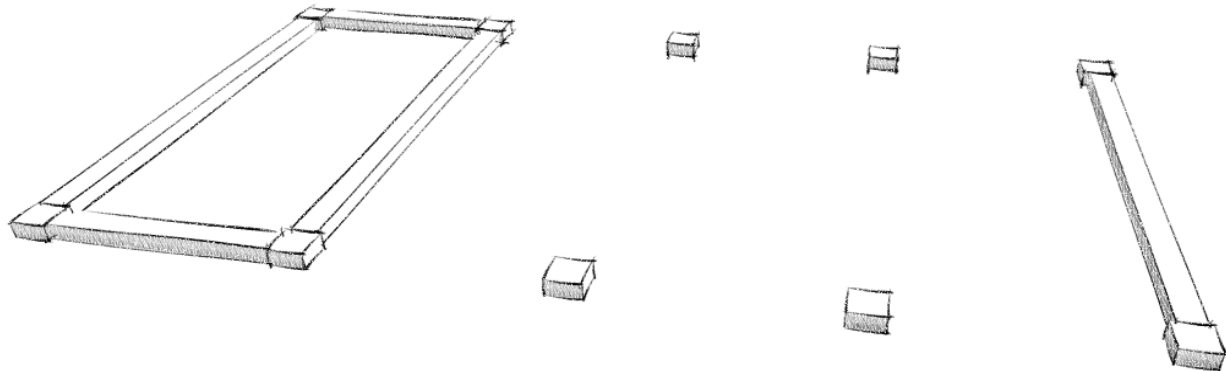
SCALE:

SHEET TITLE:

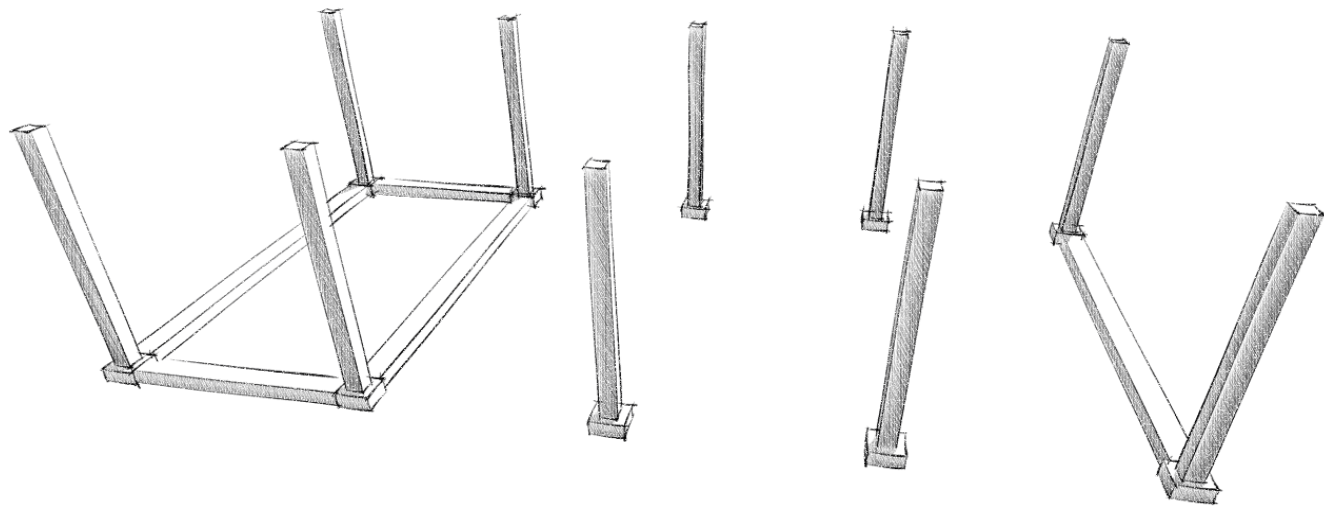
CONSTRUCTION
PROCESS

SHEET NUMBER:

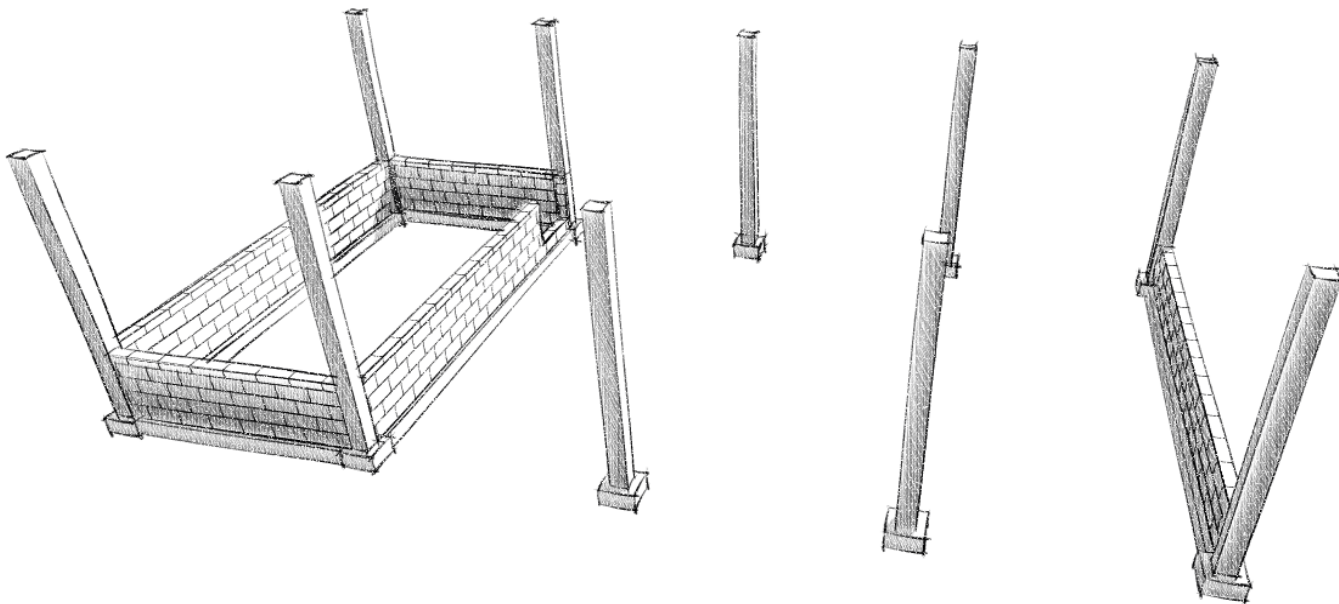
CP-01



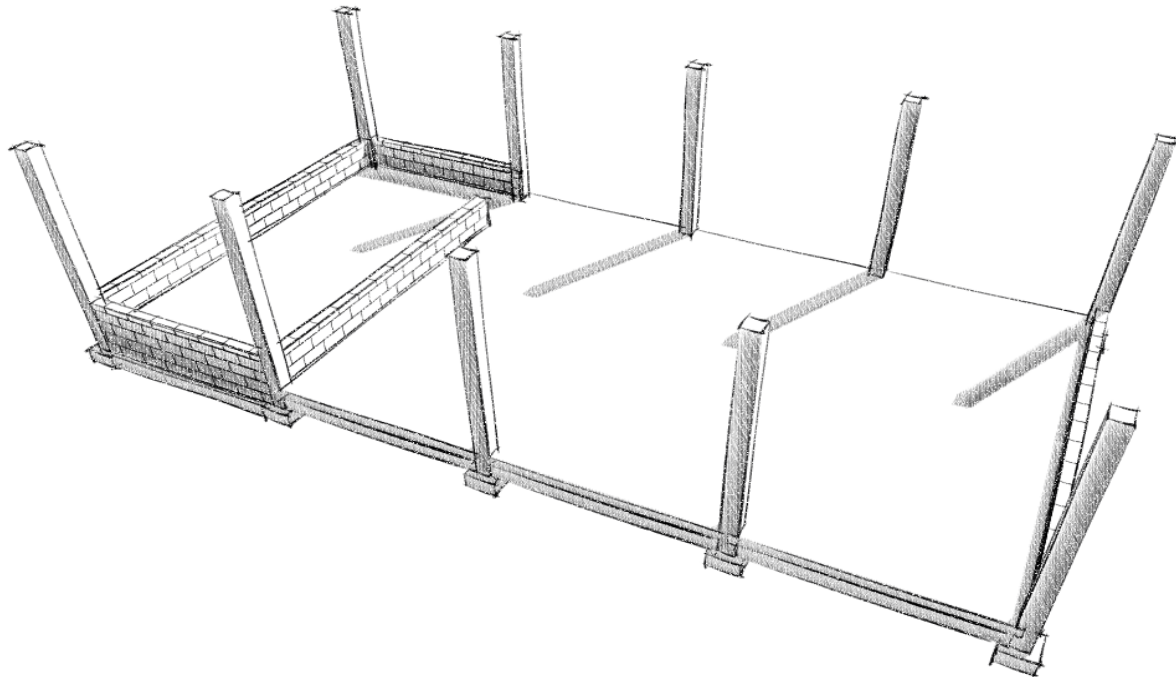
EXCAVATE, PLACE BAR AND POUR CONCRETE COLUMN AND STRIP FOOTINGS



BUILD AND PLACE REBAR CAGES, BUILD FORMWORK, PLACE CONCRETE BOLTS, POUR CONCRETE COLUMNS



BUILD BLOCK FOUNDATION TO AN ELEVATION GREATER THAN THE FINISH SLAB



BUILD FORM WORK, PLACE BAR/ROLL OUT BAR, POUR SLABS WITH CONTROL JOINTS MAX 10'



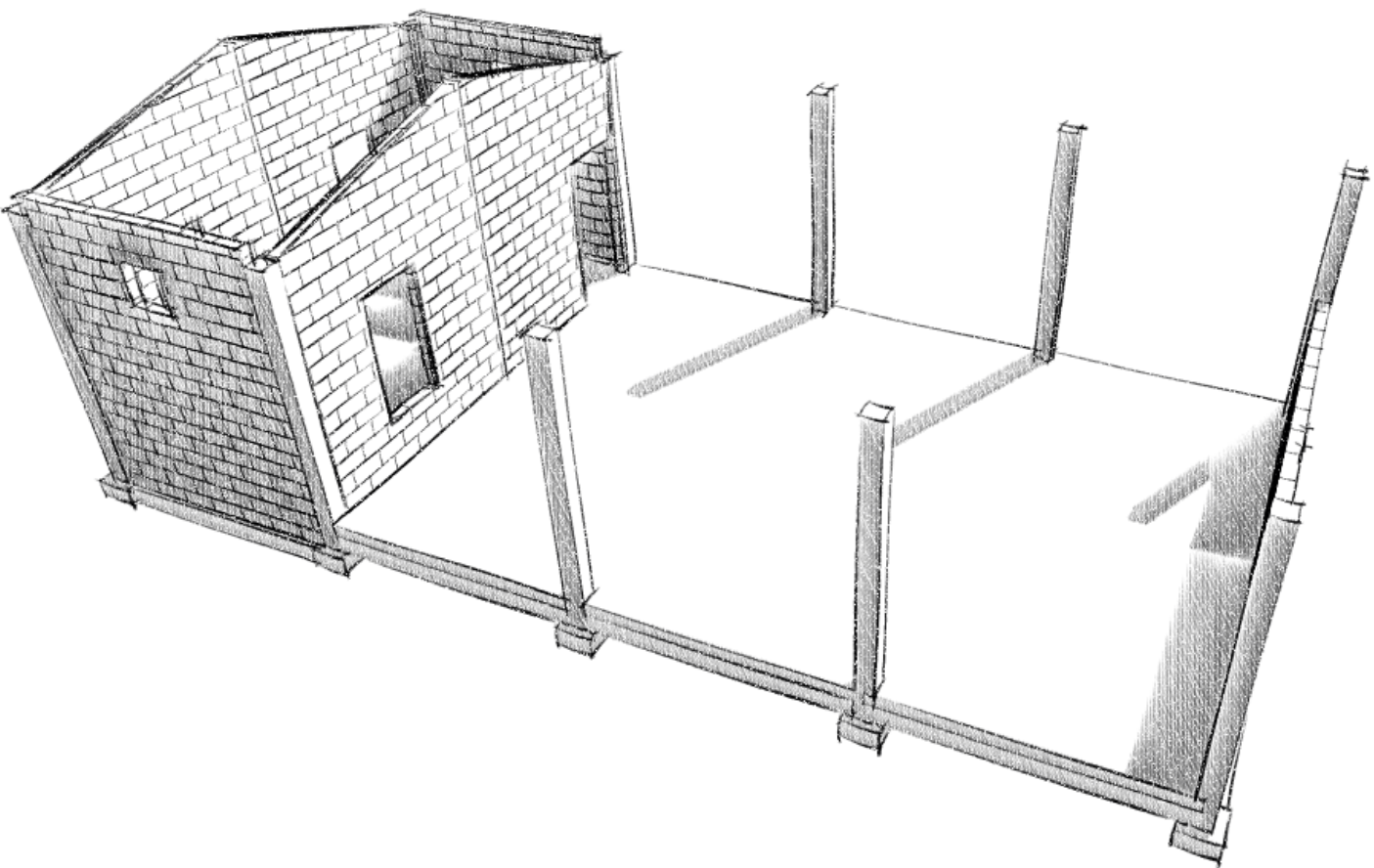
NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

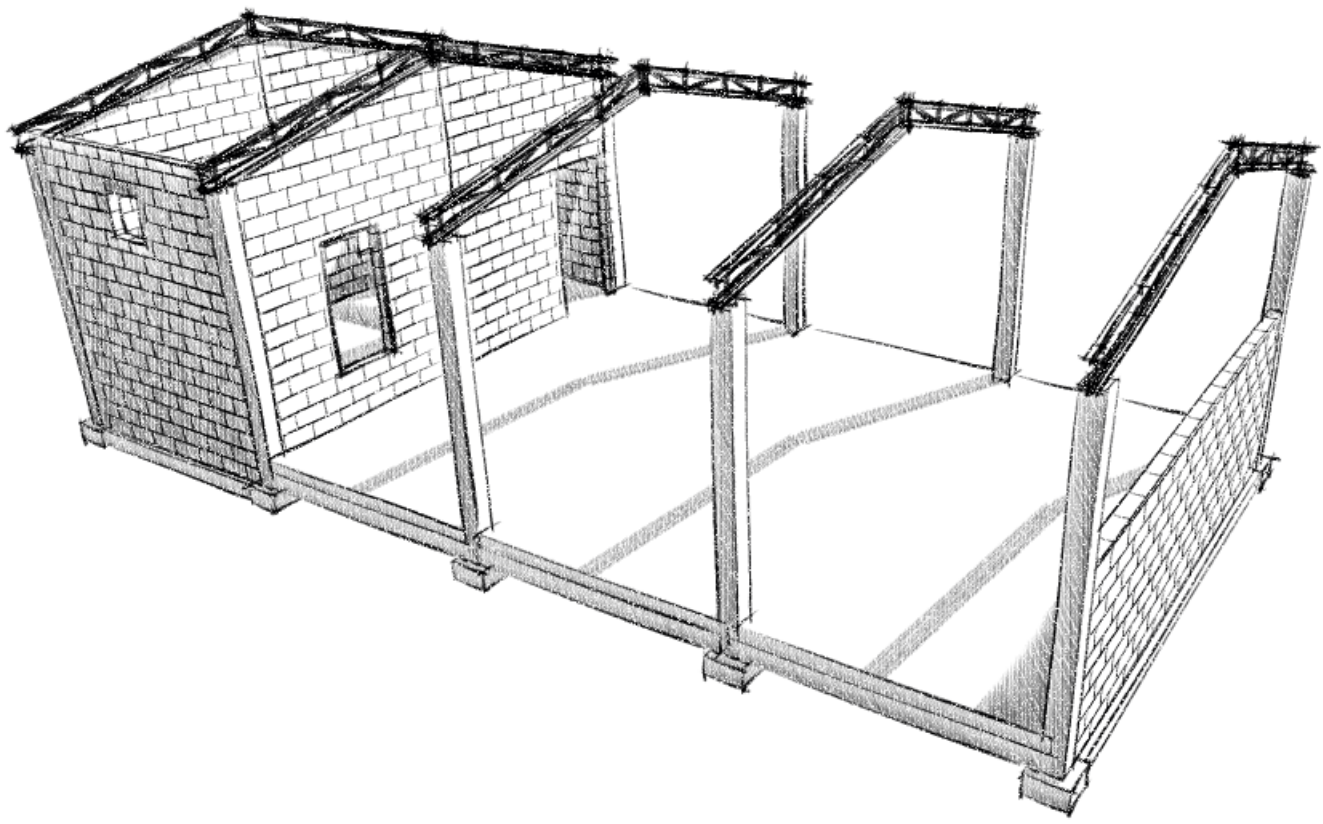
REVISIONS	MARK				DESCRIPTION	
	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION	DATE

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
CONSTRUCTION
PROCESS

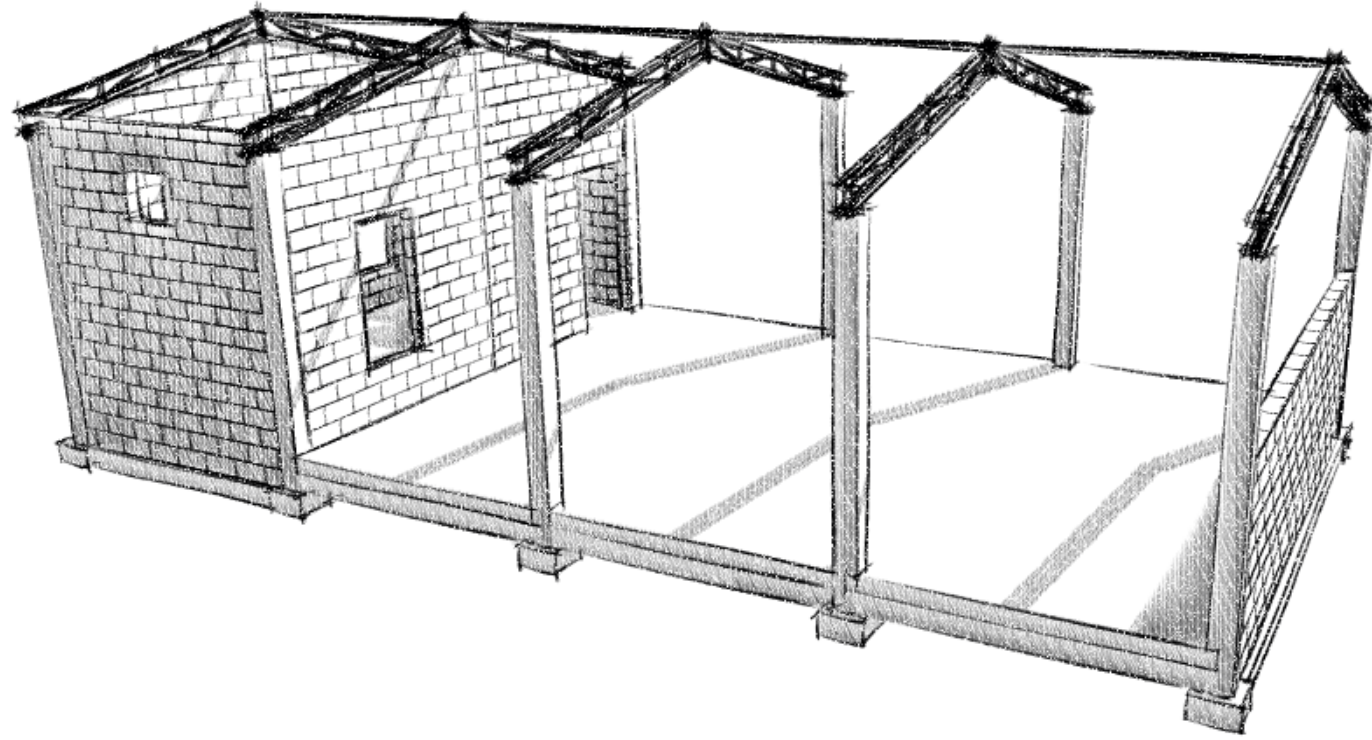
SHEET NUMBER:
CP-02



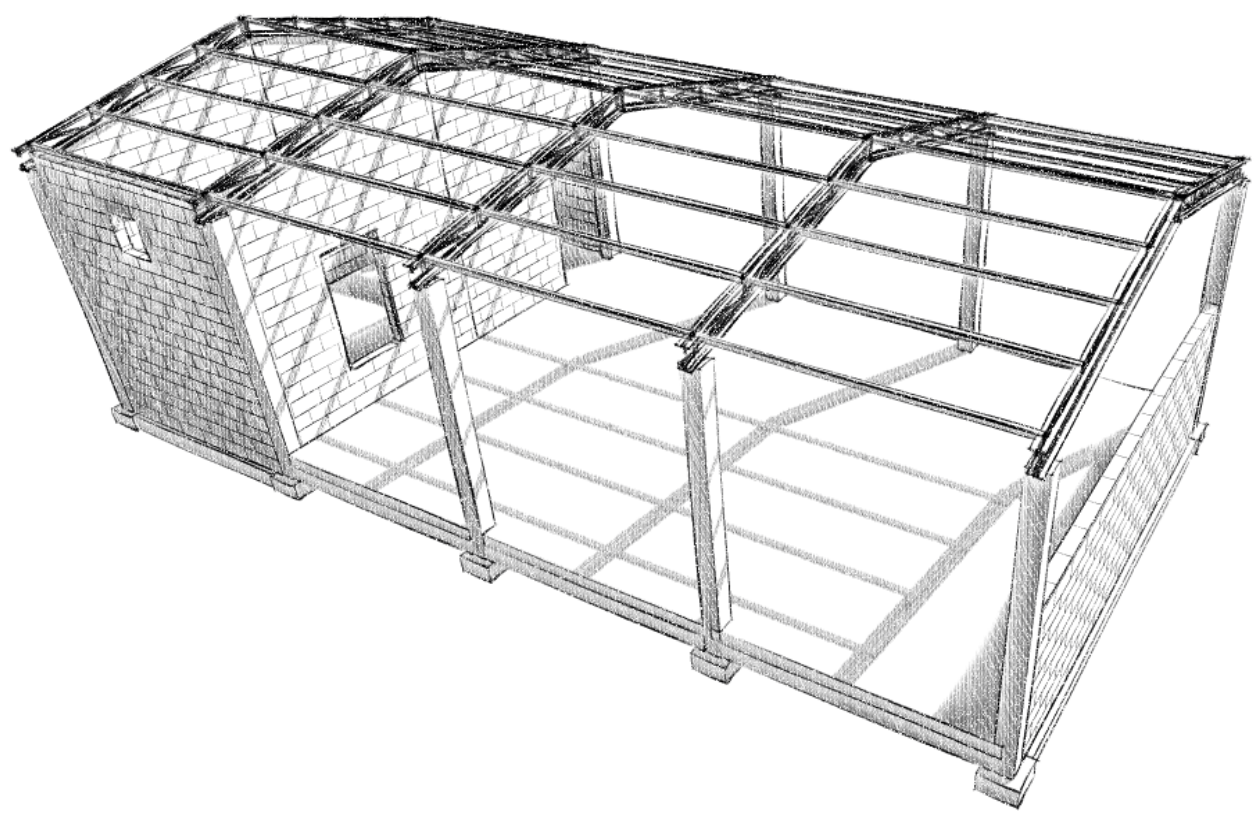
BUILD BLOCK WALLS



BOLT TRUSSES TO CONCRETE COLUMNS



PLACE AND BOLT/WELD RIDGE BEAMS LOCKING IN TRUSS



BOLT/WELD 2"X2" ANGLE IRON PURLINS SPACED AT 2.5' OC



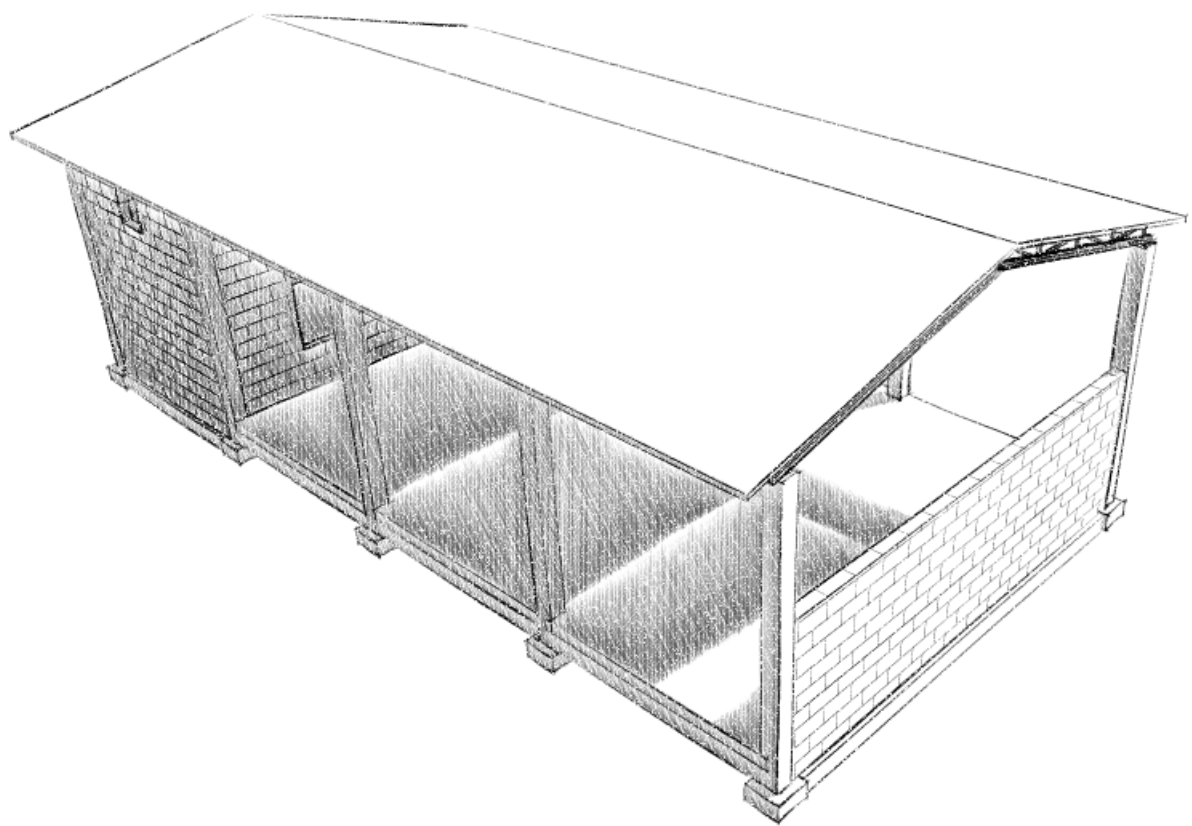
NOTE:
THIS DRAWING IS THE EXCLUSIVE
PROPERTY OF NORTHERN
ELECTRIC INC. AND WAS
PREPARED FOR THE EXCLUSIVE
USE OF NORTHERN ELECTRIC INC.
FOR THE INSTALLATION OF THE
ELECTRICAL SYSTEM. NO USE,
REPRODUCTION OR DUPLICATION
OF THIS DRAWING IN PART OR
WHOLE MAY BE MADE WITHOUT
THE WRITTEN PERMISSION OF
NORTHERN ELECTRIC INC.

GHANA PROJECT
MICHAEL KLEE
CAL POLY SLO

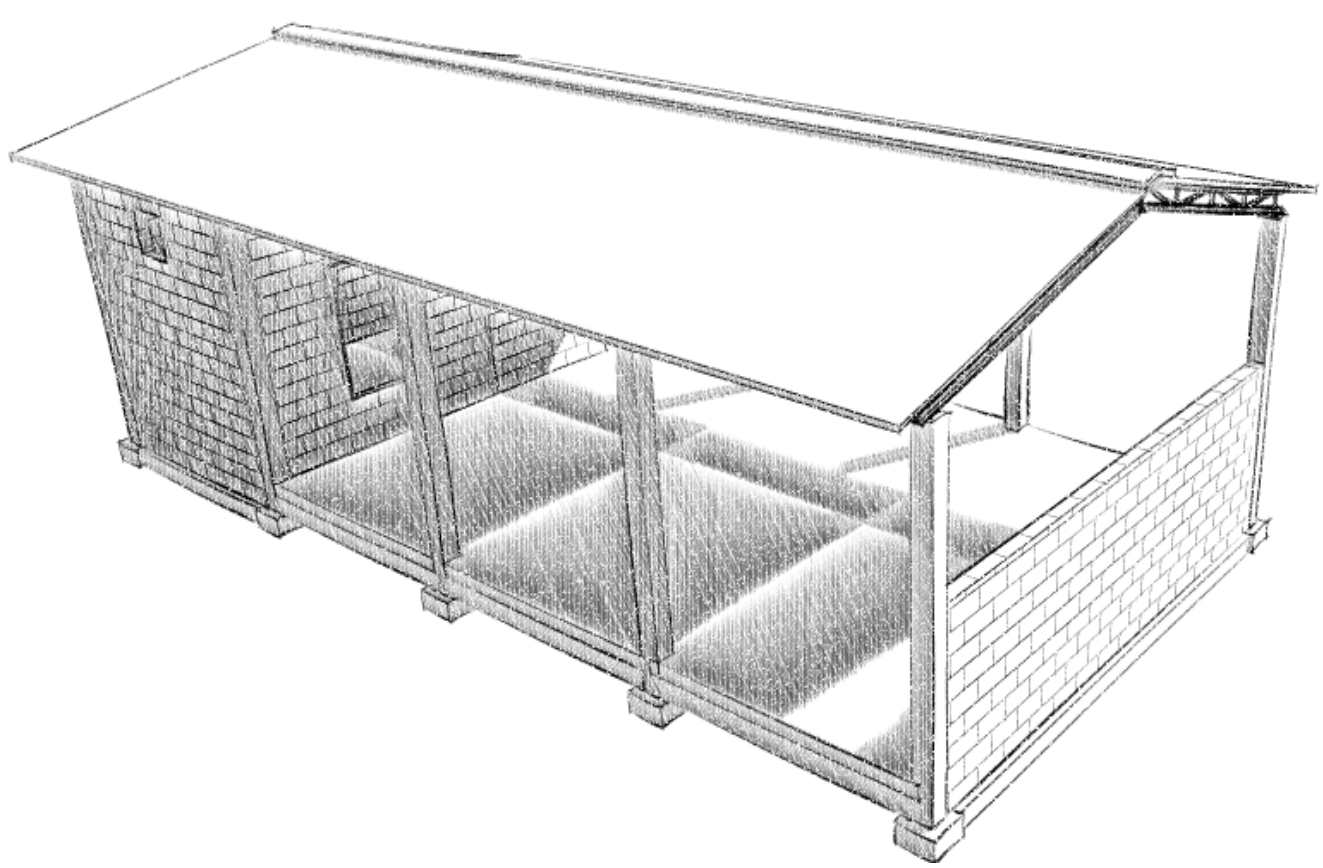
REVISIONS	DESCRIPTION				DATE		MARK		DESCRIPTION		DATE		MARK		DESCRIPTION	
	MARK	DATE	DESCRIPTION	PERMIT SET	TBD											

DRAWN BY:
DATE:
SCALE:
SHEET TITLE:
CONSTRUCTION
PROCESS

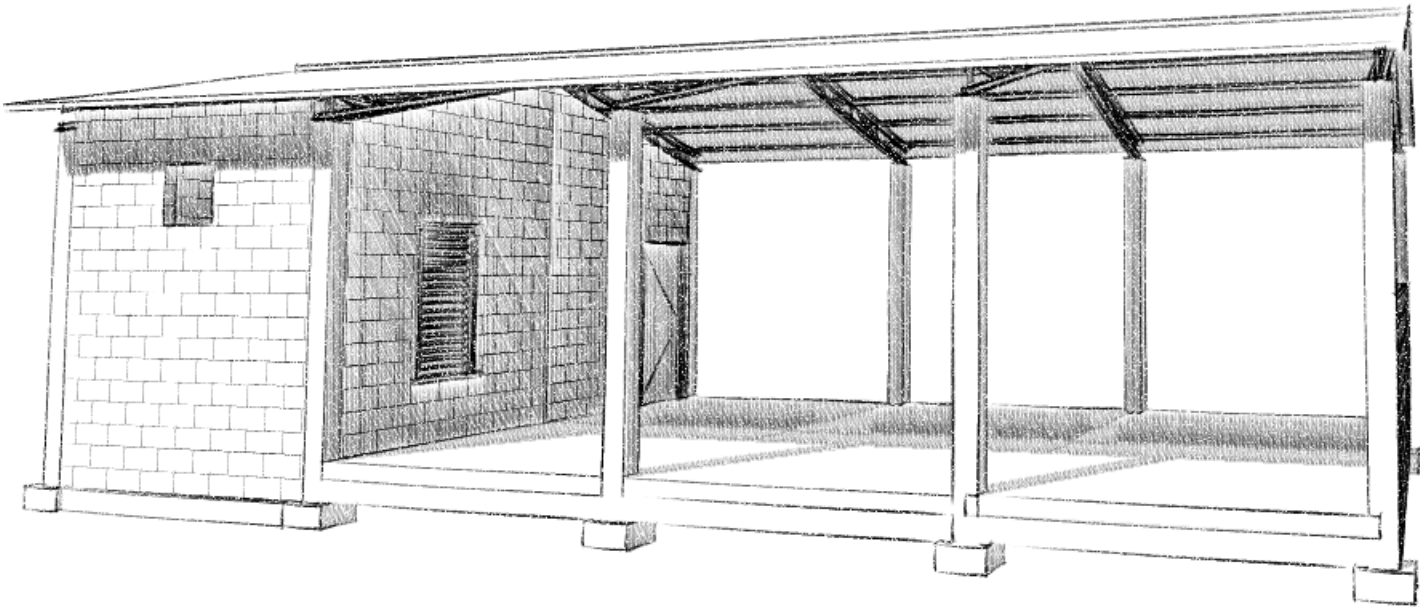
SHEET NUMBER:
CP-03



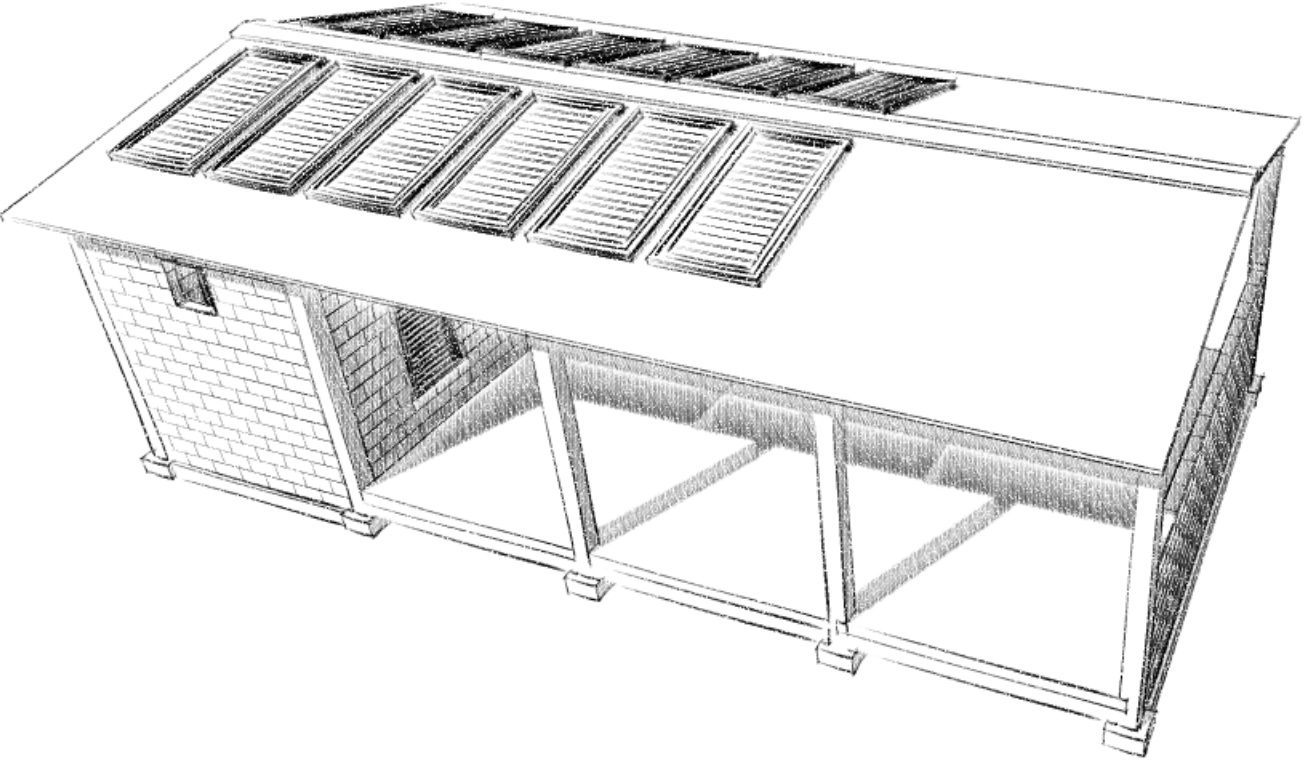
ATTACH ALUMINUM ROOFING SHEETS WITH SELF TAPPING METAL SCREWS



INSTALL ALUMINUM ROOFING RIDGE CAP WITH SELF TAPPING METAL SCREWS



INSTALL DOORS AND WINDOWS



BUILD MOUNTING RACK FROM STRUT AND MOUNT SOLAR PANALS, ROUGH IN AND INSTALL ELECTRICAL

