Bloomington Historic Preservation Commission Showers City Hall McCloskey Room, Thursday April 9th, 2020, 5:00 P.M. AGENDA

I. CALL TO ORDER

II. ROLL CALL

III. APPROVAL OF MINUTES

- A. March 6, 2020 Minutes (Special Meeting)
- **B.** March 12, 2020 Minutes

IV. CERTIFICATES OF APPROPRIATENESS

Commission Review

A. COA 20-18

1017 W. 6th Street (Near West Side Conservation District)

Petitioner Mary Balle

Demolish detached garage...

B. COA 20-17 (Appeal)

703 E. 7th Street (University Courts Historic District)

Petitioner: Avi Grossbaum

Appealing staff decision. Requesting new door opening on north

elevation.

V. DEMOLITION DELAY

VI. NEW BUSINESS

A. Section 106 Invitation to Consult: Graham Hotel

VII. OLD BUSINESS

VIII. COMMISSIONER COMMENTS

IX. PUBLIC COMMENTS

X. ANNOUNCEMENTS

XII. ADJOURNMENT

Auxiliary aids for people with disabilities are available upon request with adequate notice. Please call 812-349-3429 or email, human.rights@bloomington.in.gov.

Next meeting date is April 23rd, 2020 at 5:00 P.M. in the McCloskey Room. **Posted:** 4/3/2020

Bloomington Historic Preservation Commission Hooker Room, Friday March 6, 2020 SPECIAL MEETING MINUTES

I. CALL TO ORDER

Meeting was called to order by John Saunders, @ 11:30

II. ROLL CALL

Commissioners

John Saunders Jeff Goldin – 11:31 Chris Sturbaum Sam DeSollar Lee Sandweiss Susan Dyer

Advisory

Duncan Campbell

Absent
Deb Hutton
Derek Richey
Ernesto Casteneda
Doug Bruce
Jenny Southern

Staff

Conor Herterich, HAND Eddie Wright, HAND Philippa Guthrie, Legal Doris Sims, HAND

III. APPROVAL OF MINUTES

IV. CERTIFICATES OF APPROPRIATENESS

V. DEMOLITION DELAY

VI. NEW BUSINESS

A. Discussion of 414 E. 9th Street

John Saunders opened the meeting with a brief explanation as to why the meeting was called and what is needed to put the structure under interim protection.

Philippa Guthrie explained the petitioner could challenge a historic designation to the structure due to the 90 day demo delay period expiring prior to designation. **Conor**

Herterich clarified that the Commission could vote to place a structure in the city under protection at any time. **Philippa Guthrie** clarified that it would still be subject to challenge because it was so messy.

Jeff Goldin made a motion to begin the designation process, **Susan Dyer** seconded. However **Conor Herterich** clarified that motions to designate could not be made at this meeting for the reason that there needs to be a hearing with the owner first before the Commission votes, and that requires a ten-day notice to the owner and adjacent property owners. This is just a discussion meeting.

Sam DeSollar expressed his concerns that if the commission pushes forward it might push the petitioner to demolish the structure. Chris Sturbaum stated that he supports not reopening this matter, he would like to see what happens as Doug Bruce is working with the petitioner. **Jeff Goldin** hopes something will happen within the 10 day time frame but would like to keep their options open. Conor asked if the Commissioners are wanting him to send a variance support letter. The Commissioners stated they do not want a protection letter sent at this time. Sam DeSollar suggested sending a simple letter advising the petitioner of his options. **Chris** stated the commission is in a weak position in this matter. Jeff stated they could speak with the petitioner to encourage him to make a positive decision. Conor stated that he was surprised when the motion to designate was made at the Feb. 27th meeting as the Commission had not indicated at its previous meetings that it was going to recommend designation. If so they should have done it at the February 13th meeting. So staff was not prepared for this. Susan Dyer stated that she was surprised to hear that the property was recommended for designation at the Feb. 27th meeting. Lee Sandweiss said she was as well. Duncan Campbell stated that the commission will see more properties like this one due to the new UDO. But commissions have been shying away from designating with a heavy hand. They may need to review each case to not appear heavy handed. Look at each structure at the beginning of the demo delay process to determine its historical significance. Chris stated that in the new UDO they can't protect all properties and they need to determine which properties need to be protected, maybe by convening a committee to designate those structures before they might otherwise come before the Commission. Sam suggested determining historic district neighborhoods proactively. Chris gave a brief history of the demo delay process, and stated that they need to look at the demo delay process going forward. **Duncan** explained that the commission might need to look at these properties a little more rigidly in the future. For example, strictly follow the rule that if it is 50 years or older. If the rules for demolition are going to be more rigid then the commission needs to be more rigid in review. Chris stated they need to work with neighborhoods to educate them concerning historic designation. Lee Sandweiss stated that this property may not be lost, as Doug Bruce is working with the petitioner to save the structure. John stated that with the new setbacks on a new structure it might be advantageous to retain the old structure. The Commissioners asked Conor to work with Chris Sturbaum on a variance support letter to the owner.

- VII. OLD BUSINESS
- VIII. COMMISSIONER COMMENTS
- IX. PUBLIC COMMENTS

X. ANNOUNCEMENTS

XI. ADJOURNMENT

Meeting was adjourned by **John Saunders** @ 11:59

END OF MINUTES

Bloomington Historic Preservation Commission McCloskey Room, Thursday March 12, 2020 MINUTES

I. CALL TO ORDER

Meeting was called to order by **John Saunders**, @ 5:00 pm.

II. ROLL CALL

Commissioners

John Saunders
Jeff Goldin
Chris Sturbaum
Sam DeSollar
Susan Dyer
Deb Hutton

Advisory

Jenny Southern Ernesto Casteneda

Absent Doug Bruce Duncan Campbell Lee Sandweiss Derek Richey

Staff

Conor Herterich, HAND Eddie Wright, HAND Philippa Guthrie, Legal Doris Sims, HAND Eric Sader, HAND Keegan Gulick, Planning

Guests

James Hall, CBU
Vic Kelson, CBU
Brian O'Quinn, 410 W Smith
Lucas Brown, Kiln Collective
Don Weiler, Kiln Collective
Mike Trotzkie, Kiln Collective
Bill Corcoran, 1301 W 8th

III. APPROVAL OF MINUTES

A. February 27, 2020 Minutes

Sam DeSollar made a motion to approve February 27, 2020 Minutes, **Chris Sturbaum** seconded.

Motion carried 4-0-2 (Yes-No-Abstain)

IV. CERTIFICATES OF APPROPRIATENESS

Staff Review

A. COA 20-14

830 W. 4th Street (Greater Prospect Hill Historic District)

Petitioner: Jessica Roman

Installation of a backyard and garden fence.

Conor Herterich gave presentation. See packet for details.

B. COA 20-15

1105 W 3rd Street (Greater Prospect Hill Historic District)

Petitioner: Chuck Heintzelman

Use fixed aluminum windows instead of glass block for replacing damaged glass block on entrance.

Conor Herterich gave his presentation. He stated that the petitioner has found glass block and **Conor** will now move this to staff approval.

John Saunders asked about reclaiming the glass block. Sam DeSollar asked for clarification on the size of the glass block. Jenny Southern asked about what is underneath the windows on the building. She also asked about what is behind the plywood covering a portion of the building. Sam asked about the design on the glass blocks. He suggested salvaging from one side of the building to restore the other side. **Jeff Goldin** agreed that salvaging would not change historic nature of the building. **Deb Hutton** asked about reusing block from the door in another location on the building. Conor Herterich stated that because this was the only area of the building that featured glass block, it is not appropriate to put glass block in places where it never existed before. John Saunders asked for a motion to approve. Conor Herterich stated that the Commission won't be making a motion to approve or deny as the petitioner is not present, he was letting the Commission know that this will be a staff level approval and wanted feedback from the Commission before the permit was given. Sam DeSollar wanted to make sure the glass blocks were roughly 4x8'. Chris Sturbaum complimented staff for sticking up for the glass block. Jenny also mentioned that if they remove the steps and grade the area up to the door it makes the structure look more like a garage.

Commission Review

A. COA 20-9

410 W. Smith Avenue (Greater Prospect Hill Historic District)

Petitioner: Brian O'Quinn

Continuation from previous meeting. Rebuild ADU.

Conor Herterich gave presentation. See packet for details.

Discussion ensued

Chris Sturbaum suggested muntins in the windows. Sam DeSollar asked about the slope of the roof. Jenny Southern asked if there had ever been muntins in the windows. Jenny suggested they not make it look like a 1930's cottage, she also asked about the front door. The petitioner has not decided on a style of front door just yet. Chris Sturbaum suggested just horizontal muntins but no vertical. Jenny asked if the windows would open, petitioner stated they would crank open.

Chris Sturbaum stated they were going for compatibility. Deb Hutton and Jeff Goldin commended the petitioner on responding to the Commission's suggestions. Sam stated they might be missing some information but they should use caution when placing the beams. Sam asked if the Commission wants the Petitioner to come back for the approval on the porch. Petitioner stated he would omit the porch. Jenny asked about dropping the front down to step down onto the porch. She understands why they would want a porch. Petitioner stated he would omit the porch and resubmit later. Jenny also asked about the style of door. Petitioner mentioned using a two or five panel door with no glass.

Sam DeSollar made a motion to approve **COA 20-9**, with the omission of the porch, which will be approved at the staff level, **Chris Sturbaum** added a friendly amendment that asked petitioner to use double hung with muntins which will be staff approved. Jenny mentioned staff approval of windows, doors, and porch. Seconded by Jeff Goldin.

Motion carried 6-0-0

F. COA 20-13

642 N. Madison Street (Showers Furniture Factory Historic District)

Petitioner: Lucas Brown and Don Weiler

Continuation from previous meeting. Adaptive reuse of Kiln building. Includes substantial additions and alterations.

Conor Herterich gave presentation. See packet for details.

Discussion ensued

Conor Herterich reminded the HPC that the 30 day window for action is up next

week on March 20th, and the HPC needs to take action today either approving or denying the COA. The HPC can also ask the petitioner for an extension but the petitioner must agree to that. **Lucas Brown** gave a brief presentation stating that they have taken the Commissions comments and improved the design of the Kiln building. He explained how those suggestions have been applied to the design of the building.

Chris Sturbaum asked about how the windows work. He stated that they are hard to see on some of the drawings. **Deb Hutton** asked what the image is on the front of the building in one of the drawings. **Deb** stated that she likes how she can see the full side of the west wall but would like to see the windows cut down a little. **Sam DeSollar** asked about the operation of the upper bay windows. He also asked about the grid on the railing, the second floor set back and roof drainage. **Sam** asked about ash being used as soffit material. **Jenny Southern** suggested to downlight the sculpture as well as the parking lot, she also warned about the effects of heavy window tinting. **Jenny** likes that they have removed the awning off the front of the building. **John Saunders** asked about the dimensions of the store front doors.

Chris Sturbaum asked if they would consider staining the ash soffit grey color, so it would weather better. He likes how they have applied the suggestions of the Commission in the design changes. Ernesto Casteneda stated he likes the design of the building, Deb Hutton and Jeff Goldin agreed. Sam DeSollar has enjoyed the discussion of the design of the building, he suggested adding muntins on the outside of the glass. Jenny Southern is excited for the design of the building, Susan Dyer and John Saunders agreed with the members.

Jeff Goldin made a motion to approve **COA 20-13**, **Deb Hutton** seconded. **Motion carried 6-0-0**

V. DEMOLITION DELAY

Commission Review

A. Demo Delay 20-9

1301 W. 3rd Street Petitioner: William Corcoran Full demolition

Conor Herterich gave presentation. See packet for details.

Discussion ensued

Commission agreed with staff recommendation.

Jeff Goldin made a motion to waive the demo delay period for DD 20-9, Sam DeSollar seconded.

Motion carried 6-0-0

B. Demo Delay 20-11

3501 N. Dunn Street Petitioner: COB Utilities Full demolition

Conor Herterich gave presentation. See packet for details.

Discussion ensued

Vic Kelson gave a brief presentation on why they are asking for full demolition and he explained what would be saved from the building. However, there are limits as to what can be saved due to PCB contamination.

Chris Sturbaum asked about demolishing the building but saving the bricks. **Sam DeSollar** asked about how much contamination would remain after demolition of the building. **Jenny Southern** stated that it is sad to lose this building, but she has seen kids playing in the building and she has concerns for public safety. She is happy that materials will be salvaged as they can be, she also asked for a clarification as to the meaning of IDEM.

Jeff Goldin made a motion to waive the demo delay period for DD 20-11, Sam DeSollar seconded.

Motion carried 6-0-0

VI. NEW BUSINESS

VII. OLD BUSINESS

A. 2020 Preserving Historic Places Conference, South Bend, IN.

Conor Herterich stated that he will be attending the 2020 Preserving Historic Places Conference, South Bend, IN. He reminded the Commission of educational requirements.

B. Restaurant Row Design Guidelines Discussion

Conor Herterich stated he has been working with **Sam DeSollar** on the guidelines, but he has gotten no other suggestions from the Commission. **Chris Sturbaum** and **Deb Hutton** agreed to join the Restaurant Row design guidelines committee.

VIII. COMMISSIONER COMMENTS

IX. PUBLIC COMMENTS

X. ANNOUNCEMENTS

Conor Herterich asked for Philippa Guthrie to explain the recent press release from the city in reference to upcoming meetings. Jeff Goldin asked about on-line meetings, Philippa stated that by law they would have to have to be meetings at a physical location accessible to the public. There must be a quorum at that location but additional members can call in. Philippa suggested the Commission could limit public comments and that they are not required to have public comments at all. She stated that non-essential meetings should be postponed or canceled and with meetings that must be held, including HPC meetings where deadlines require it, they should try to avoid large public gatherings and take measures to enforce social distancing. Sam DeSollar suggested keeping the public in the hallway then call them into the meeting as needed. Deb Hutton suggested moving the HPC meetings to the City Council chambers to allow more room between the attendees.

XII. ADJOURNMENT

Meeting was adjourned by **John Saunders** @ 6:16 pm.

END OF MINUTES

COA: 20-18 Address: <u>1017 W. 6th Street</u>

Petitioner: Mary Balle

Parcel #: 53-05-32-410-052.000-005

Rating: Non-Contributing Primary Structure; Gabled Ell c. 1890





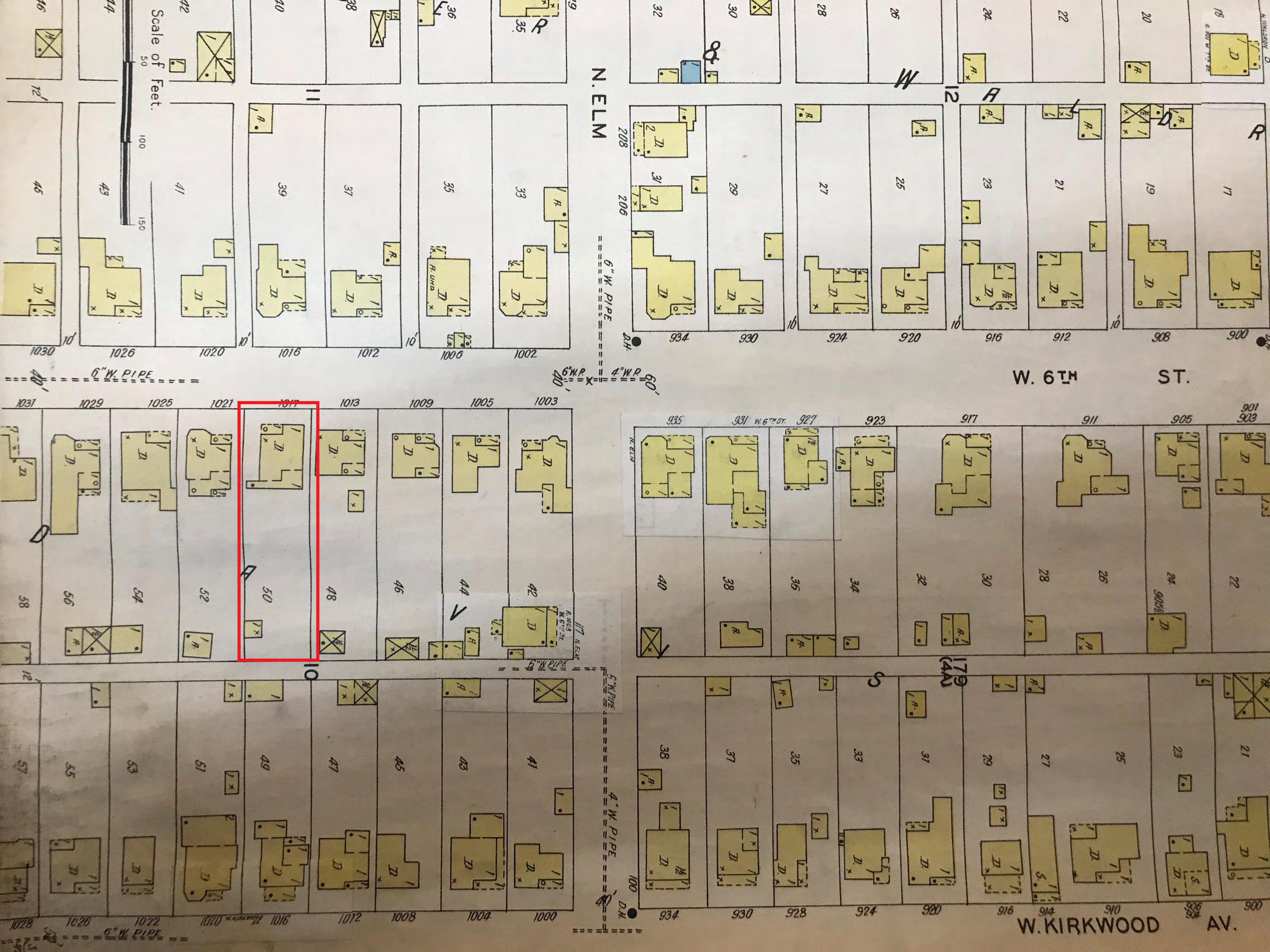
Background: While the house is rated non-contributing because of a large gable roof addition., the garage is the structure in question. Staff believes it is circa 1940s.

Request: Demolition of detached garage.

Guidelines: Near West Side Conservation District Design Guidelines are under construction.

Recommendation: Staff recommends **APPROVAL of COA 20-8** with the following comments:

- 1. The garage is not visible from 6th street, and is only visible from the alley in between Kirkwood and 6th.
- 2. There is a large tree that has grown into the NE corner of the structure and has begun to uproot the northern wall.
- 3. This is a non-original accessory building to a non-contributing primary structure.



APPLICATION FORM CERTIFICATE OF APPROPRIATENESS

Case Number:
Case (uniber
Date Filed: $3-27-200$
Scheduled for Hearing:

1017 W 6th St
Address of Historic Property:
Mary Balle/ Jeremy Voyles
Petitioner's Name:
1017 w 6th St
Petitioner's Address:
(812)391-4867/ mbballe@gmail.com
Phone Number/e-mail:
Mary Balle/ Jeremy Voyles
Owner's Name:
1017 w 6th St
Owner's Address:
(812)391-4867/ mbballe@gmail.com
Phone Number/e-mail:

Instructions to Petitioners

The petitioner must attend a preliminary meeting with staff of the Department of Housing and Neighborhood Development during which the petitioner will be advised as to the appropriateness of the request and the process of obtaining a Certificate of Appropriateness. The petitioner must file a "complete application" with Housing and Neighborhood Department Staff no later than seven days before a scheduled regular meeting. The Historic Preservation Commission meets the second Thursday of each month at 5:00 P.M. in the McCloskey Room. The petitioner or his designee must attend the scheduled meeting in order to answer any questions or supply supporting material. You will be notified of the Commission's decision and a Certificate of Appropriateness will be issued to you. Copies of the Certificate must accompany any building permit application subsequently filed for the work described. If you feel uncertain of the merits of your petition, you also have the right to attend a preliminary hearing, which will allow you to discuss the proposal with the Commission before the hearing during which action is taken. Action on a filing must occur within thirty days of the filing date, unless a preliminary hearing is requested.

Please respond to the following questions and attach additional pages for photographs, drawings, surveys as requested.

2. A description of the natu	e of the proposed modifications or new construction:
We would like to demolish	and remove the existing limestone garage in attempt to build a new
one. The current gararg	has a tree growing into the side of it.
The garage is limestone and	wood. We would take it down and dumpster anything that we are
The garage is limestone and	
The garage is limestone and	wood. We would take it down and dumpster anything that we are
The garage is limestone and	wood. We would take it down and dumpster anything that we are
The garage is limestone and	wood. We would take it down and dumpster anything that we are
The garage is limestone and	wood. We would take it down and dumpster anything that we are
	wood. We would take it down and dumpster anything that we are
The garage is limestone and	wood. We would take it down and dumpster anything that we are

6. Affix at least three photographs showing the existing full facade at each street frontage and the area of modification. If this petition is a proposal for construction of an entirely new structure or accessory building, include photographs of adjacent properties taken from the street exposure.

the existing structure and adjacent thoroughfares, Geographic Information System maps may be provided by staff if requested. Show this document to Planning Department Staff in order to

ascertain whether variances or zoning actions are required.

If this application is part of a further submittal to the Board of Zoning Appeals for a Conditional Use or development standard variance, please describe the use proposed and modification to the property which will result.











COA: 20-17 (**APPEAL**)

Address: 703 E. 7th Street

Petitioner: Avi Grossbaum/Todd Surinak

Parcel #: 53-08-05-102-039.000-009

Rating: Contributing Structure; Craftsman Bungalow c. 1915





Background: This building is being converted from student offices to a Jewish Center. Occupancy class is changing from B to A-3, which increases the occupancy load above 250 people. Per the Indiana Building Code, two exits are required when occupancy exceeds 49 people. The existing "second" egress door is not currently acceptable as the only way through is the kitchen or storeroom., which, is not allowed in the building code. Zoned IN (Institutional)

Request: Creation of new egress door opening on the NE corner bumpout.

Guidelines: University Courts Historic District Design Guidelines, pg. 26, 30, 36.

1. Inappropriate treatments of windows and doors, particularly in the primary facades, include: a) creation of new window or door openings. b) changes in the scale or proportion of existing openings.

Recommendation: Staff defers to the HPC with the following comments:

- 1. Staff finds that the new opening is on the rear of the building, which is where alterations are most preferable.
- 2. The glazing pattern on the door would mimic the pair of windows that are on the NW bump out. This would enhance the balance and symmetry of the fenestration pattern.
- 3. A second egress door is required for the building's new use. The path to this door cannot be through a kitchen or storeroom. The petitioner could rearrange the interior to make the current rear exit meet code requirements.

Appeal Form for a Staff Level Decision

Petitioner Name:

Avi Grossbaum

Property Address:

703 E. 7th Street, Bloomington, IN 47408

COA # being appealed:

20-17

Date: 3/27/2020

Specify the grounds for appeal:

A second egress door is required due to the following:

- 1 Occupancy class is changing from B to A-3, which increases the occupancy load above 250 people. Per the 2014 Indiana Building Code 1015.1, two exits are required when class A-3 occupancy exceeds 49 people.
- 2 The existing "second" egress door at the rear of the residence is not acceptable, as the only access to this door is via the kitchen or via the storeroom. Per the 2014 Indiana Building Code 1014.2 (4) " Egress shall not pass through kitchens, storage rooms..."

(Optional) Specify any changes to prior COA, or any new information that the HPC should consider:

The North elevation has similar bump outs at the NW and NE corner. At most elevations the upper windows are balanced by fenestration at the lower elevation. However, at the NE corner bumpout, on the North elevation, there is no fenestration below the upper window. We propose relocating the egress door to this location to provide a balance to the fenestration that is seen at the rest of the elevations. See photos. A smooth limestone header clock will be installed similar to all the other fenestration headers. The door will be white and have an upper window pane that is split horizontally in half to replicate the style of the windows in this corner. The code width required is 36", which is similar to the window directly above.





GENERAL INFORMATION

THIS PROJECT HAS BEEN DESIGNED UNDER THE 2014 INDIANA BUILDING CODE. THE CONTRACTOR(S) SHALL VERIFY THAT ALL WORK IS IN CONFORMANCE WITH THE APPLICABLE CODES AND REGULATIONS. IF ANY UNSOLVABLE MISUNDERSTANDINGS ARISE AS TO THE INTENT OF THESE DESIGNS OR CONSTRUCTION, IT IS HEREBY AGREED BY ALL PARTIES THAT THE RULES OF THE AMERICAN ARBITRATION ASSOCIATION SHALL PREVAIL. IN THE EVENT OF DEVIATION BETWEEN THE DRAWINGS AND PROVISIONS OF THE CODES AND REGULATIONS, THE CODE AND REGULATION REQUIREMENTS SHALL APPLY.

THIS PROJECT SHALL MEET THE AMERICANS WITH DISABILITIES ACT. OF 1990. CONTRACTOR(S) SHALL VERIFY THAT ALL WORK IS IN CONFORMANCE WITH THE ACT.

ALL BUILDING CONSTRUCTION WORK, ALTERATIONS, AND REPAIRS SHALL COMPLY WITH ALL THE INDIANA STATE CODES.

DRAWINGS ARE DIAGRAMMATIC AND SCHEMATIC AND INDICATE THE GENERAL ARRANGEMENT ONLY. EACH CONTRACTOR SHALL MAKE HIS WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR OPERATION. ALL REQUIRED WORK, EVEN IF PARTICULARLY NOT SPECIFIED, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. A.I.A. DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL BECOME PART OF THESE CONSTRUCTION DOCUMENTS.

ALL EXISTING AND PENDING STRUCTURES, INCLUDING UNDERGROUND PIPES AND UTILITIES SHALL BE PROPERLY PROTECTED AT ALL TIMES BY THE CONTRACTOR. EXISTING FEATURES SHALL BE LOCATED BY THE CONTRACTOR AND VERIFIED INFORMATION AND LOCATIONS ARE TO BE GIVEN TO THE OWNER.

PROPERTY DESCRIPTION BASED ON INFORMATION AS SUPPLIED BY CLIENT. RELOCATION OF EXISTING INCOMING SERVICES SHALL BE IN ACCORDANCE WITH LOCAL UTILITY'S SPECIFICATIONS.

MISCELLANEOUS

DESIGN PROFESSIONAL SHALL NOT BE HELD LIABLE FOR ANY PERSONAL INJURY OR LOSS ON OR ABOUT THE PROPERTY, BY ANY ENTITY, HIS AGENTS, INVITES, OR CONCESSIONAIRES OR ANY OTHER PERSON ENTERING THE PROJECT PROPERTY. DESIGN PROFESSIONAL SHALL NOT BE HELD LIABLE FOR LOSS OR PERSONAL INJURY THAT MAY BE CAUSED BY ACTS OR OMISSIONS IN THESE DRAWINGS AND THE SPECIFICATIONS



BUILDING OWNER RABBI AVI GROSSBAUM

SHEET INDEX

000 COVER SHEET A000 SITE PLAN

A001 FIRE AND LIFE SAFETY PLAN

A002 ACCESSIBILITY PLAN A100 EXISTING FLOOR PLAN AND ELEVATION

A101 DEMO PLAN A102 NEW PLANS AND ELEVATION

A103 ENLARGE PLANS

A200 SECTION A500 TYP. DETAILS

E100 ELECTRICAL PLAN

P100 PLUMBING PLAN

S001 STRUCTURAL GENERAL NOTES

S100 STRUCTURAL FRAMING AND FOUNDATION PLAN

S200 STRUCTURAL SECTIONS AND DETAILS

AREA MAP



BUILDING CODE SUMMARY:

- CONSTRUCTION TYPE: IIB
- FIRST FLOOR: OCCUPANCY A-3, 2550 FT2
- SECOND FLOOR: OCCUPANCY A-3, 1940 FT2 • THIRD FLOOR: OCCUPANCY A-3, 1360 FT2
- EXISTING: OCCUPANCY B, CONVERTING ALL FLOORS TO OCCUPANCY A-3 IN COMPLIANCE WITH CH34

FOR JEWISH LIFE 703 E 7TH STREET

CHABAD CENTER

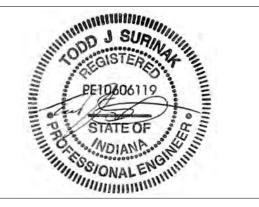
BLOOMINGTON, IN 47408

VICINITY MAP





www.SurinakEngineering.com



STRUCTURAL ENGINEERING BY: SURINAK ENGINEERING LLC 3819 N. DELAWARE ST. INDIANAPOLIS, IN 46205 317.500.3159 WWW.SURINAKENGINEERING.COM

CLIENT: RABBI AVI GROSSBAUM CHABAD CENTER FOR JEWISH LIFE BLOOMINGTON, IN

NOTES:

NO.	DESCRIPTION	DATE

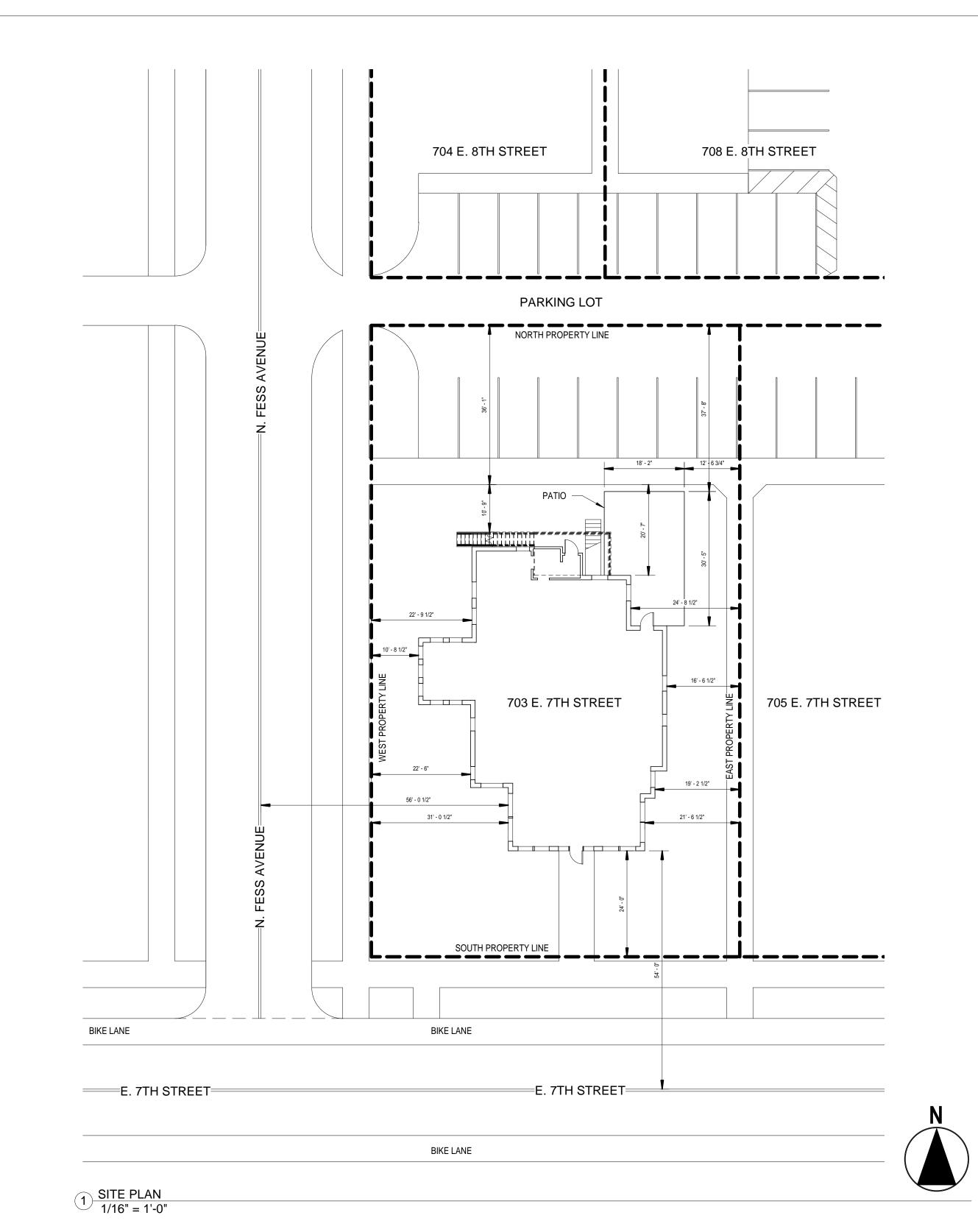
CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

COVER SHEET

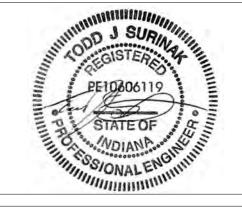
PROJECT NUMBER:	77
DATE:	3-26-202
DRAWN BY:	JA
CHECKED BY:	TJ

000

AS NOTED SCALE:







STRUCTURAL ENGINEERING BY: SURINAK ENGINEERING LLC 3819 N. DELAWARE ST. INDIANAPOLIS, IN 46205 317.500.3159 WWW.SURINAKENGINEERING.COM

CLIENT: RABBI AVI GROSSBAUM CHABAD CENTER FOR JEWISH LIFE BLOOMINGTON, IN

NOTES:

NO.	DESCRIPTION	DATE

CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

SITE PLAN

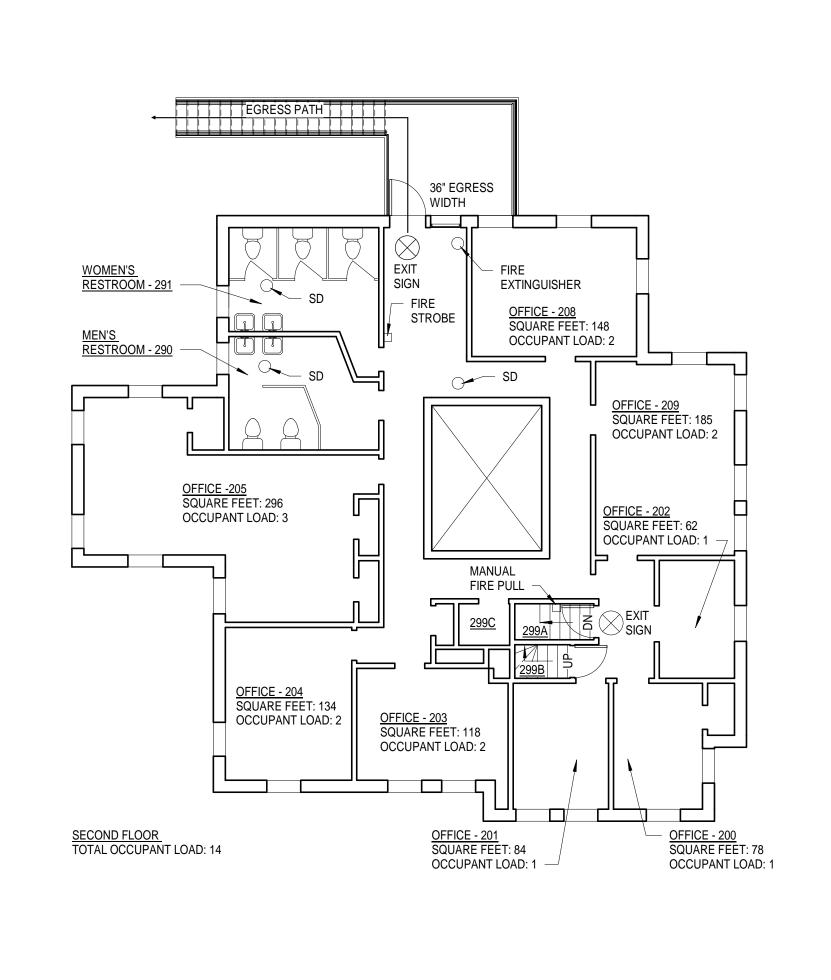
PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JJR

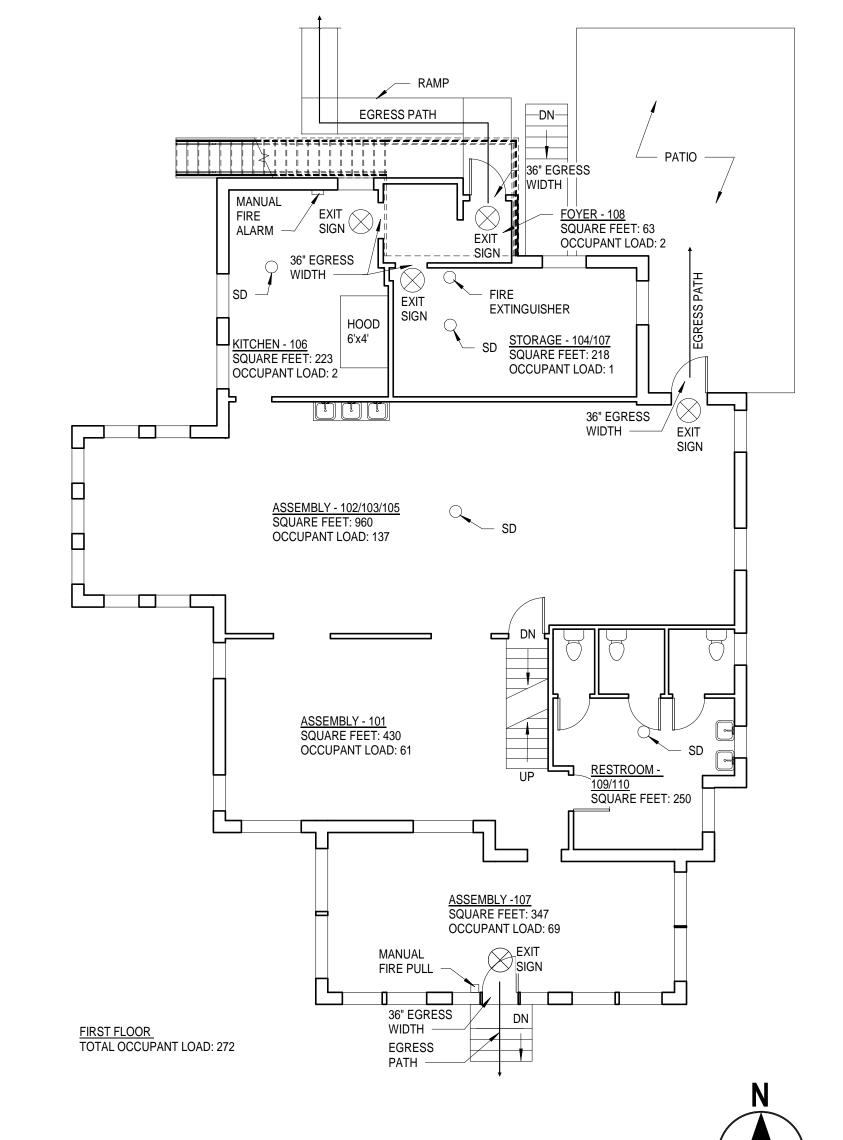
JJR TJS

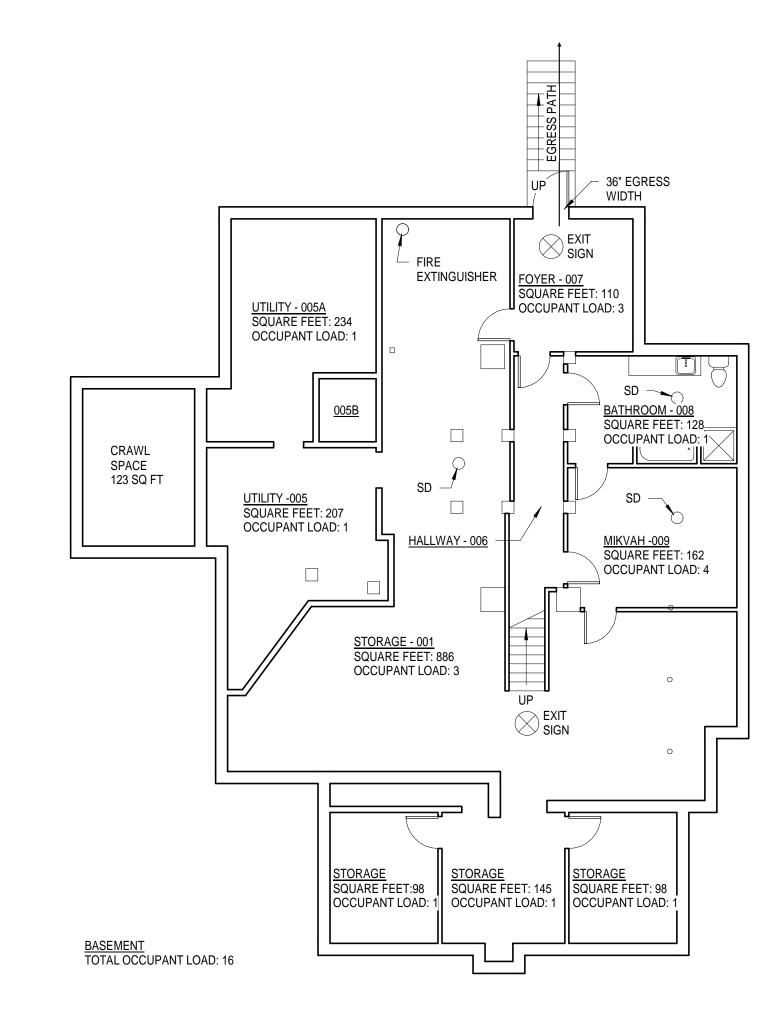
A000

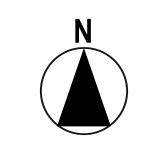
SCALE: AS NOTED

CHECKED BY:





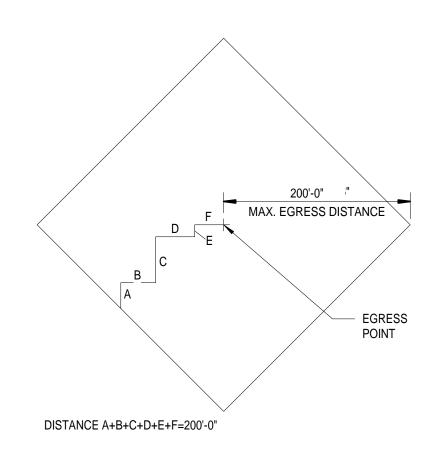




3 SECOND FLOOR LIFE SAFETY 1/8" = 1'-0"

2 FIRST FLOOR LIFE SAFETY 1/8" = 1'-0"

1 BASEMENT LIFE SAFETY 1/8" = 1'-0"



EGRESS DIAMOND SYMBOL

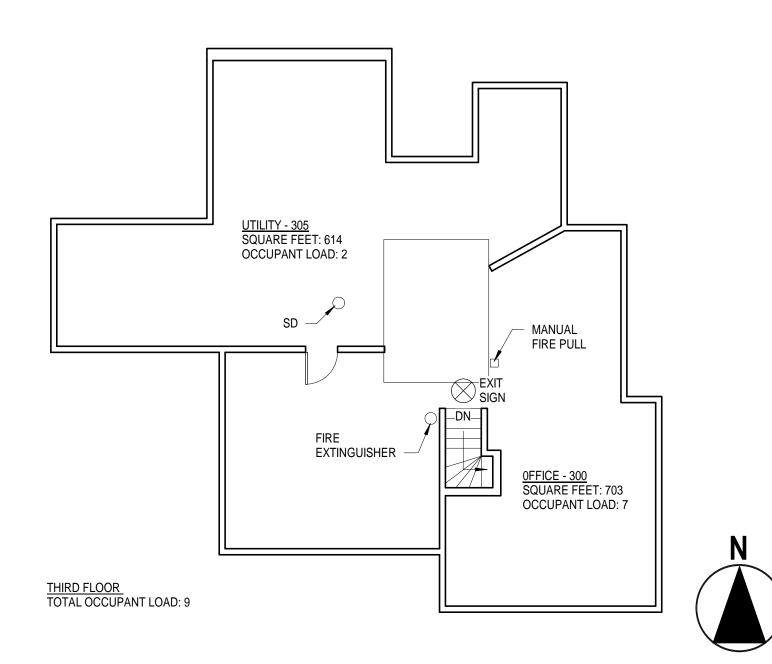
PLAN REVIEWER: IT WOULD BE MORE ACCURATE TO USE THIS SYMBOL TO VERIFY THE COMPLIANCE TO THE EGRESS DISTANCE OF A BUILDING

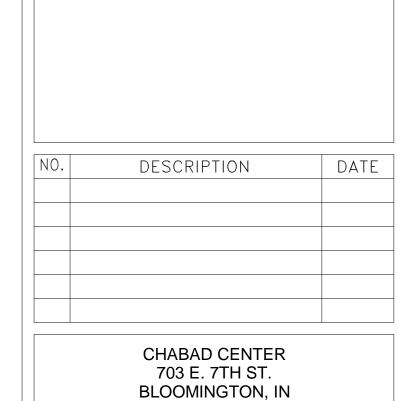
PLACING THIS DIAMOND SYMBOL AT EACH EGRESS DOOR CENTER WOULD GUARANTEE THE EGRESS DISTANCE WOULD ALWAYS BE ACCURATE NO MATTER WHAT THE LOCATIONS OF FURNISHINGS OR STORAGE SHELVING

DIAMOND OUTLINE MUST OVERLAP SO THERE ARE NO VOIDS IN ASSURING THE EGRESS DISTANCE FOR THE BUILDING WILL COMPLY WITH EGRESS DISTANCE

ACCURATE WAY IN DETERMINING THE TRAVEL

EGRESS DIAMOND





ENGINEERING

www.SurinakEngineering.com

STRUCTURAL ENGINEERING BY:

317.500.3159 WWW.SURINAKENGINEERING.COM

1. ALL EXIT SIGNS TO HAVE LIT FACE WITH >90 MINUTES OF EMERGENCY POWER

SURINAK ENGINEERING LLC 3819 N. DELAWARE ST. INDIANAPOLIS, IN 46205

RABBI AVI GROSSBAUM CHABAD CENTER FOR JEWISH LIFE BLOOMINGTON, IN

CLIENT:

NOTES:

FIRE	AND	LIFE	SAFETY	/ PLAN

PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JAR
CHECKED BY:	TJS

A001

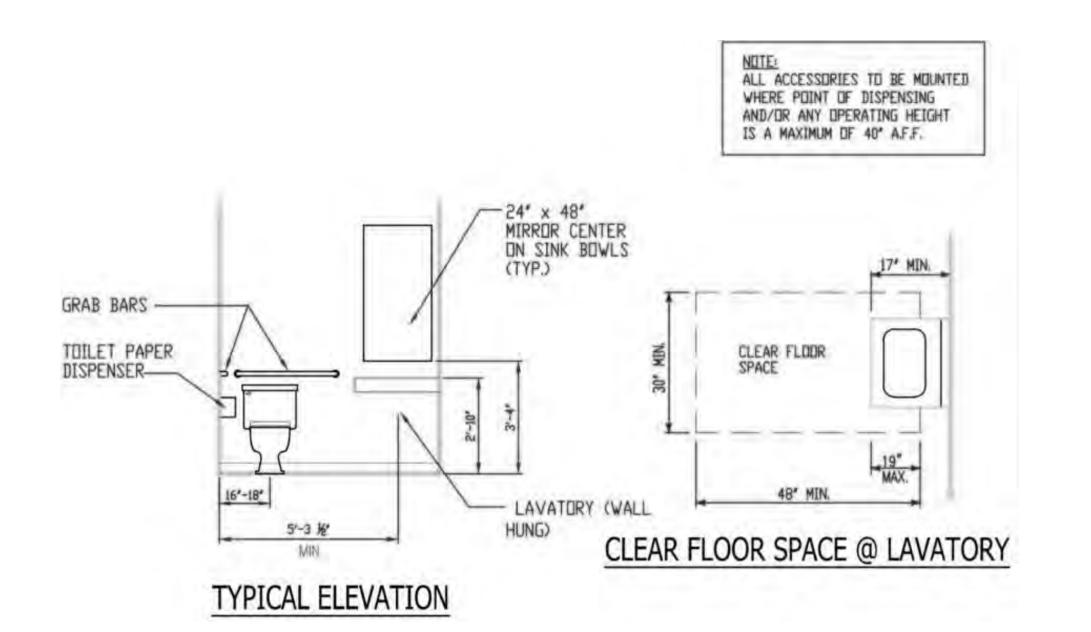
AS NOTED SCALE:

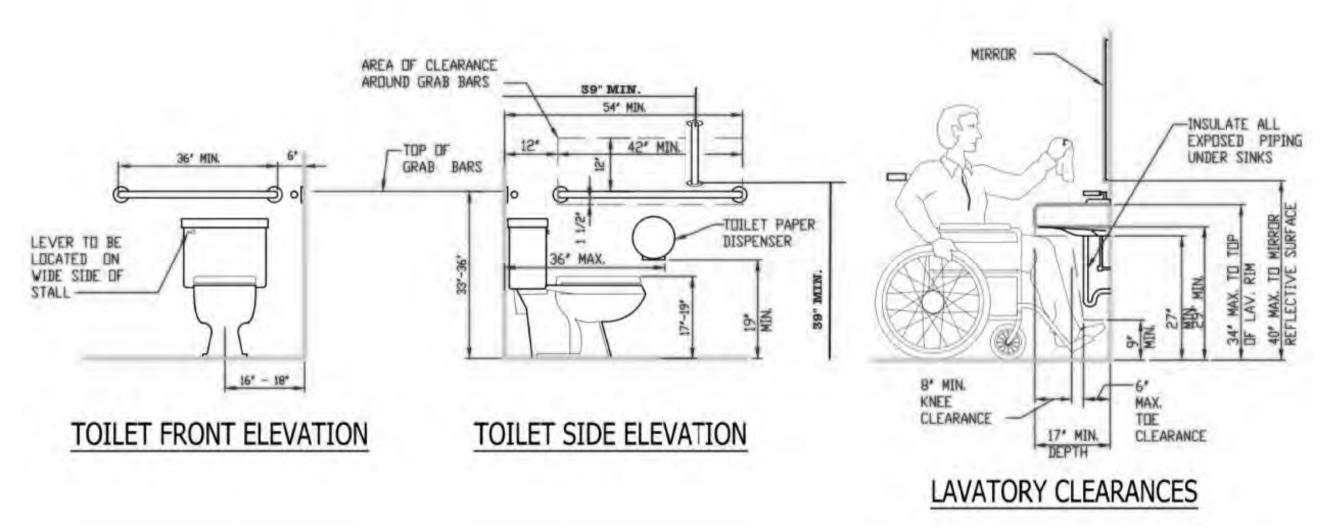
PLAN REVIEWER:

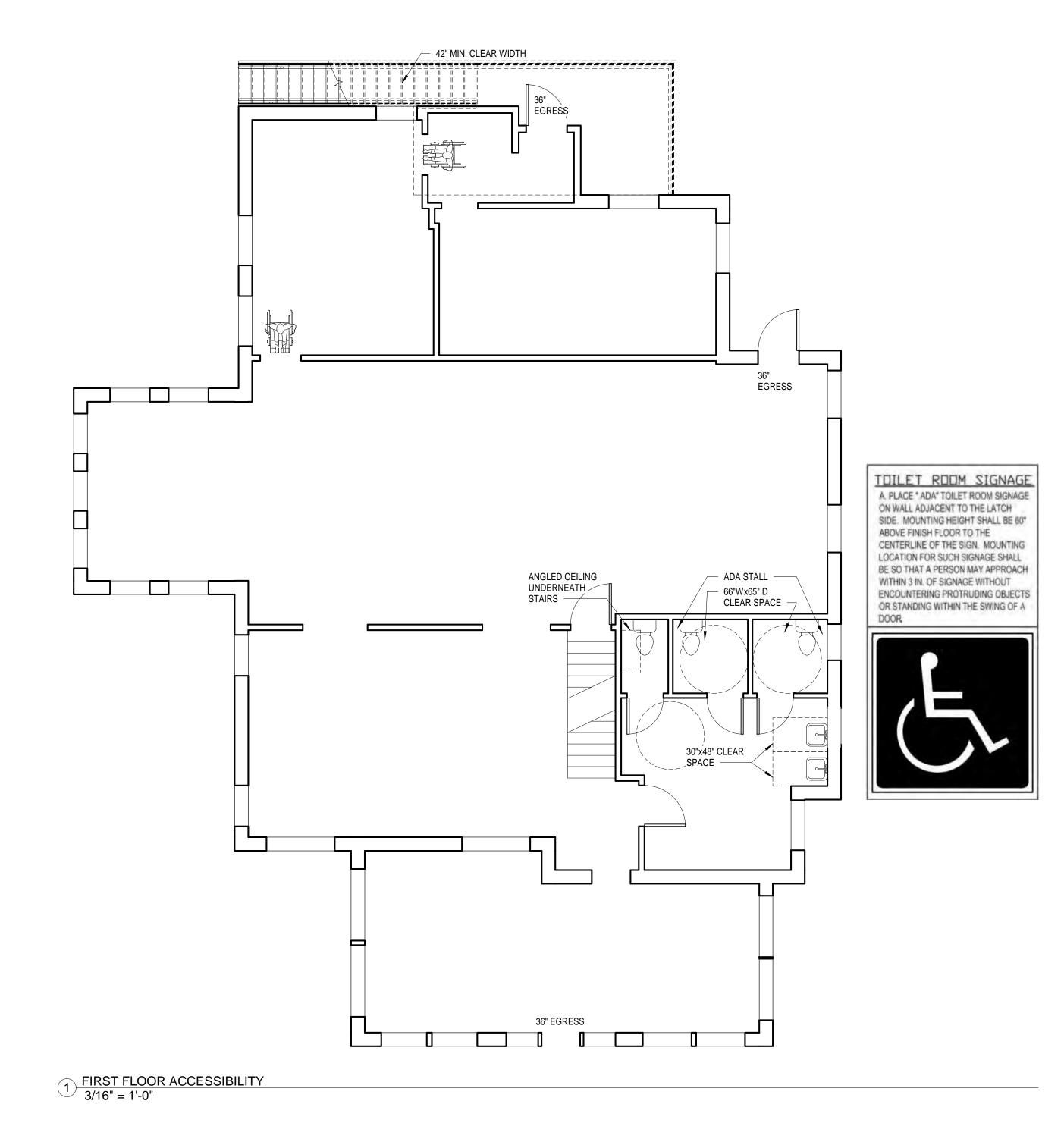
MEASURING A EGRESS TRAVEL LINE FROM THE FURTHER MOST POINT IN THE BUILDING TO THE CENTER OF THE EGRESS DOOR OPENING IS NOT AN ACCURATE DEPICTION OF THE TRAVEL/THERE ARE USUALLY FURNITURE OR STORAGE SHELVING TO ALTER THE ROUTE OF TRAVEL/SEE EGRESS DIAMOND SYMBOL THIS SHEET FOR THE MOST

NOTE - ENTIRE PROPERTY IS WITHIN THE 200'

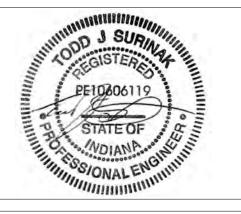
THIRD FLOOR LIFE SAFETY
1/8" = 1'-0"











STRUCTURAL ENGINEERING BY:
SURINAK ENGINEERING LLC
3819 N. DELAWARE ST.
INDIANAPOLIS, IN 46205
317.500.3159
WWW.SURINAKENGINEERING.COM

CLIENT:

RABBI AVI GROSSBAUM

CHABAD CENTER FOR JEWISH LIFE
BLOOMINGTON, IN

NOTES:

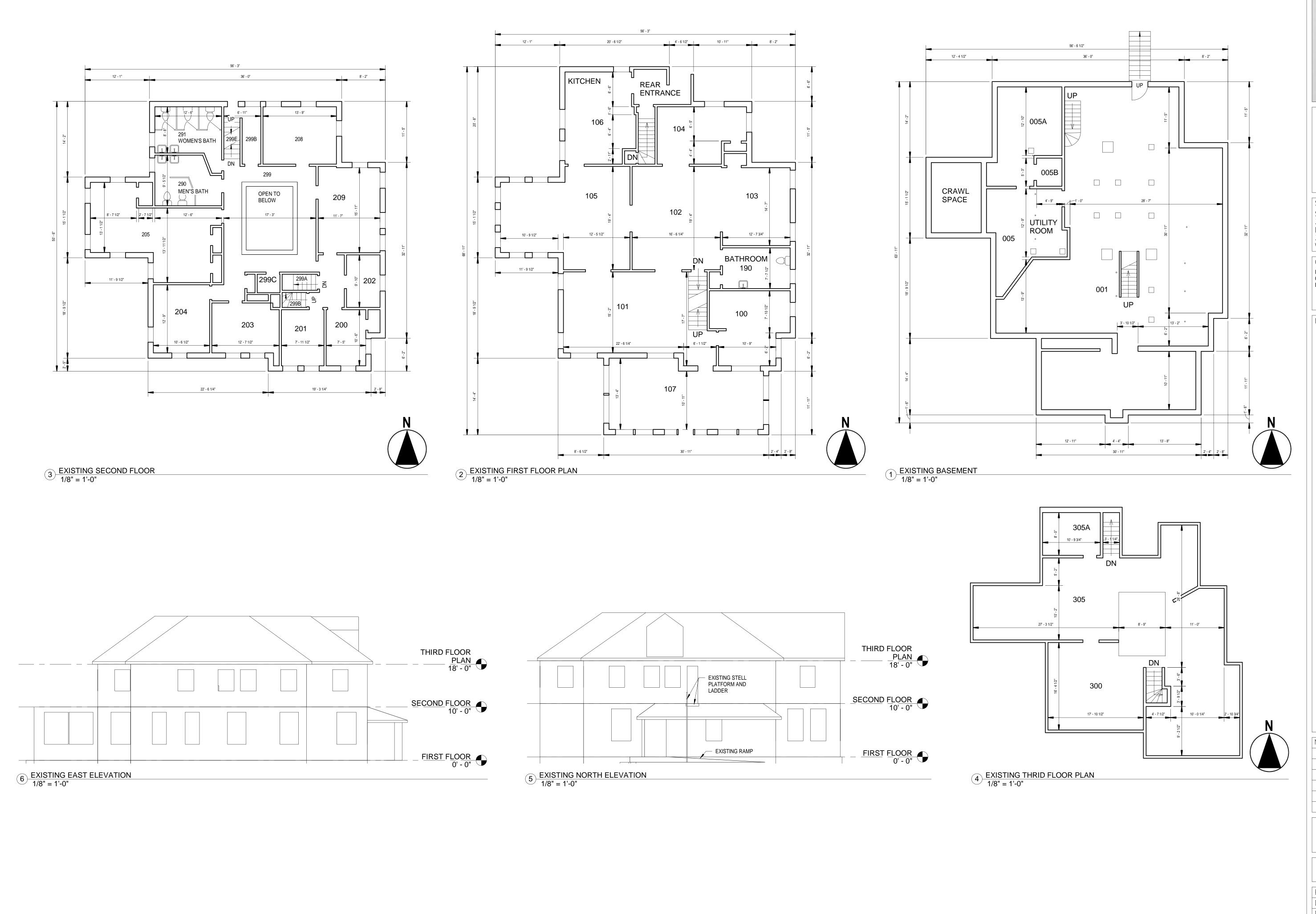
NO.	DESCRIPTION	DATE

CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JAF
CHECKED BY:	TJS

A002

SCALE: AS NOTED







STRUCTURAL ENGINEERING BY:
SURINAK ENGINEERING LLC
3819 N. DELAWARE ST.
INDIANAPOLIS, IN 46205
317.500.3159
WWW.SURINAKENGINEERING.COM

CLIENT:

RABBI AVI GROSSBAUM

CHABAD CENTER FOR JEWISH LIFE
BLOOMINGTON, IN

NOTES:

NO. DESCRIPTION DATE

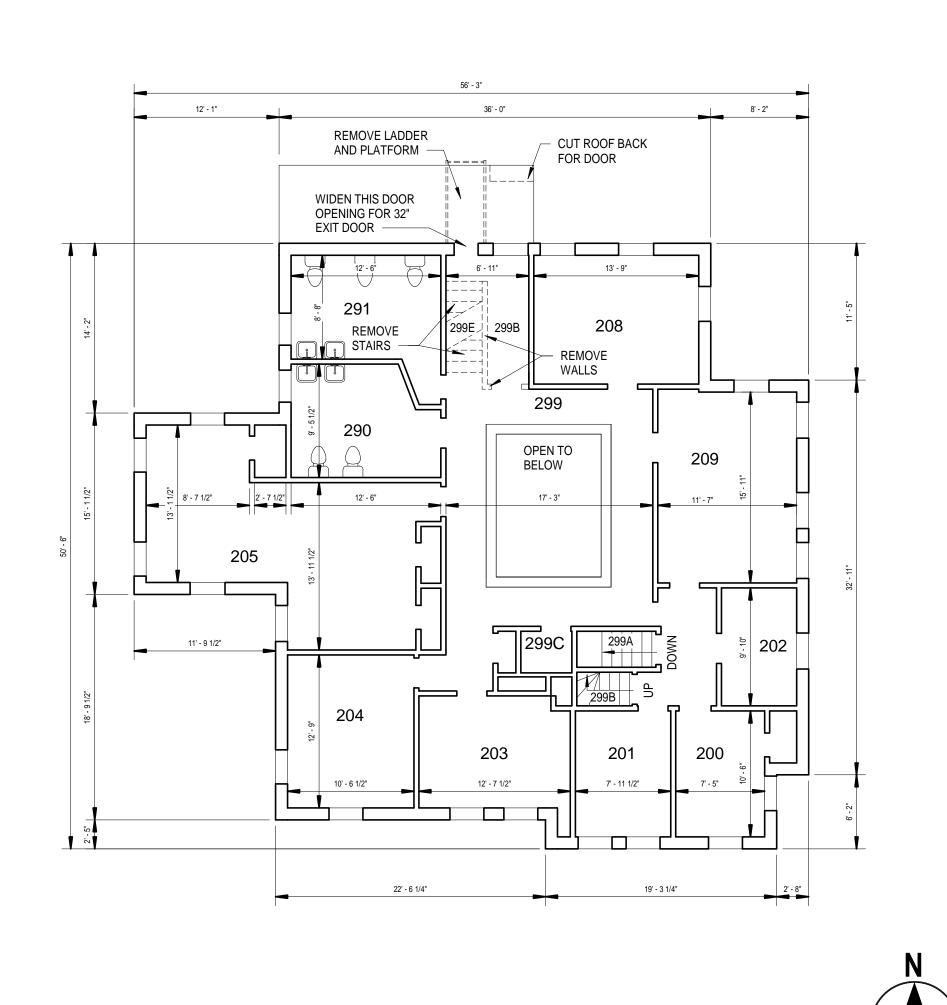
CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

EXISTING FLOOR PLAN AND ELEVATION

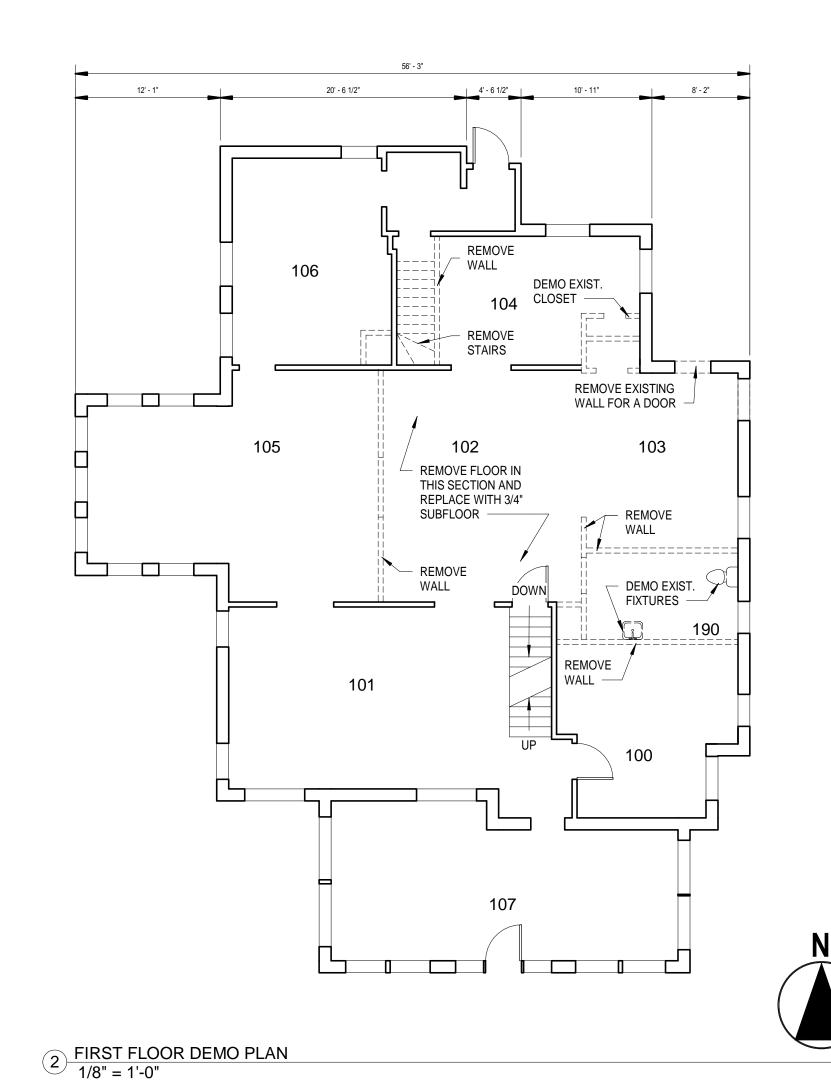
PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JAR
CHECKED BY:	TJS

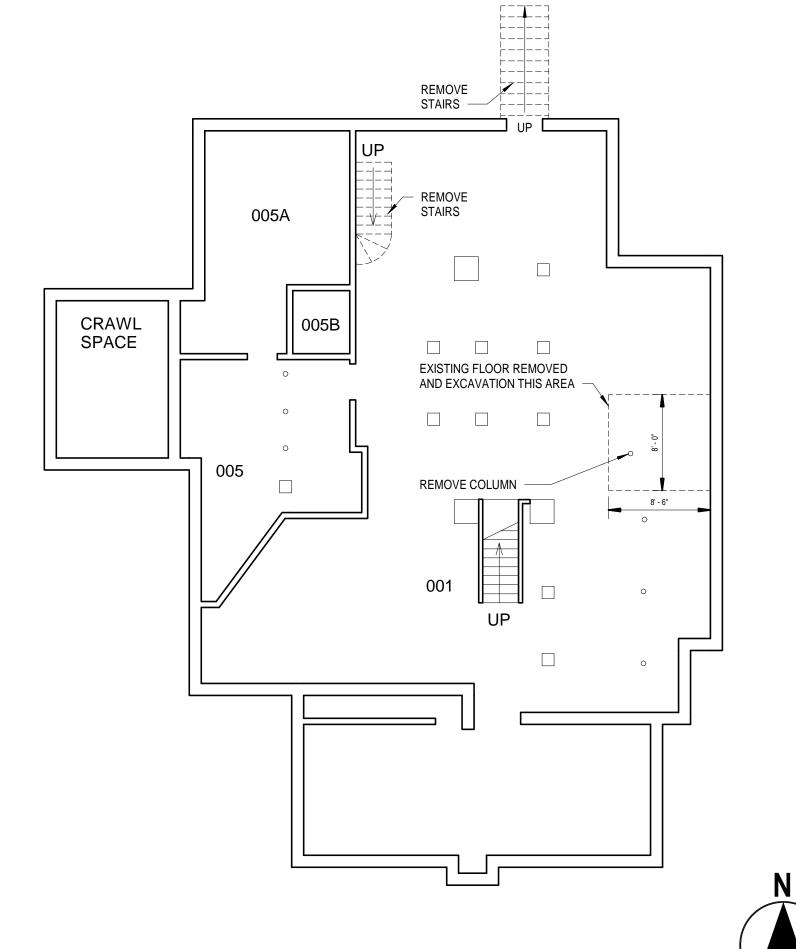
A100

SCALE: AS NOTED

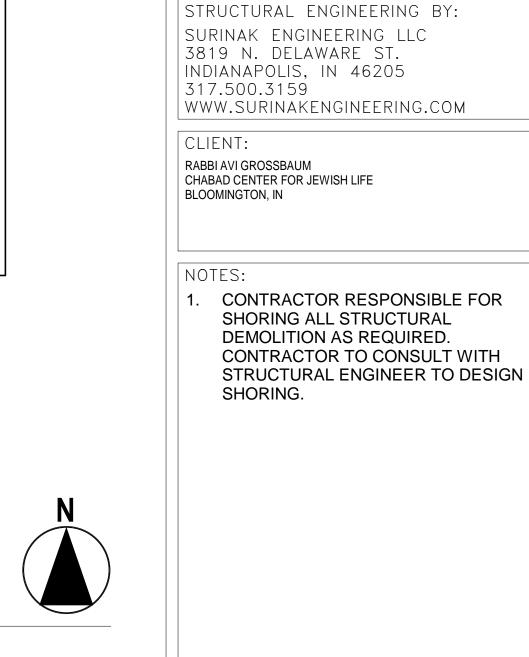


3 SECOND FLOOR DEMO PLAN 1/8" = 1'-0"





1 BASEMENT DEMO PLAN
1/8" = 1'-0"



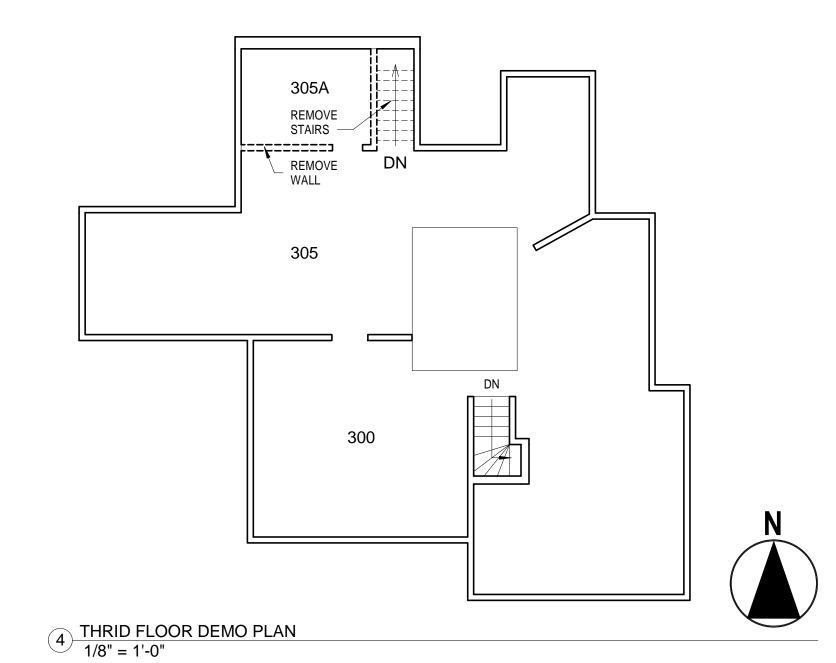
ENGINEERING

www.SurinakEngineering.com

THIRD FLOOR

—— PLAN

18' - 0" REMOVE
EXISTING STEEL
PLATFORM AND CUT ROOF BACK REMOVE | EXISTING WALL __ FOR A DOOR ____ LADDER FOR DOOR -FIRST FLOOR
0' - 0" EXISTING RAMP 5 DEMO NORTH ELEVATION
1/8" = 1'-0"



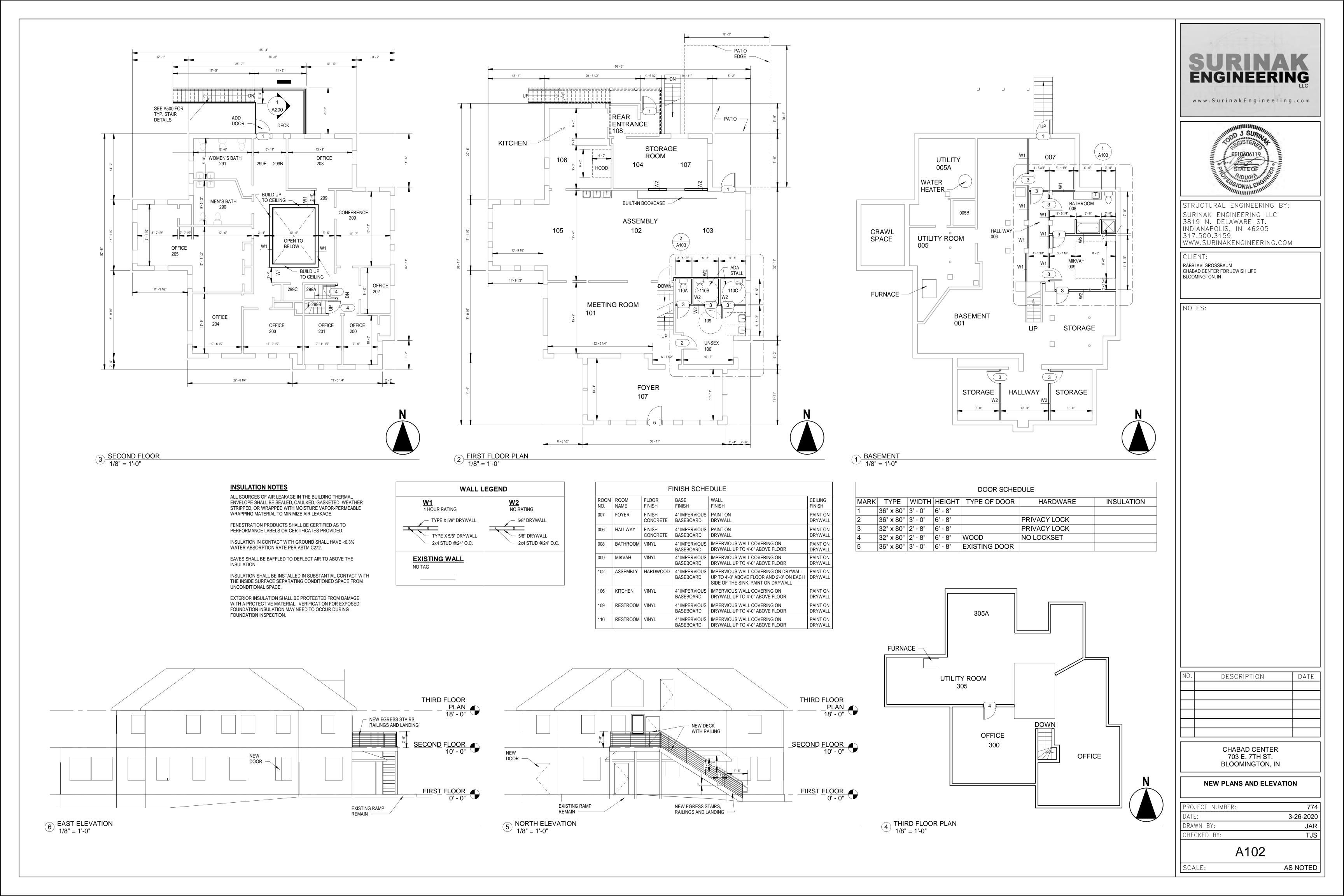
NO.	DESCRIPTION	DAT

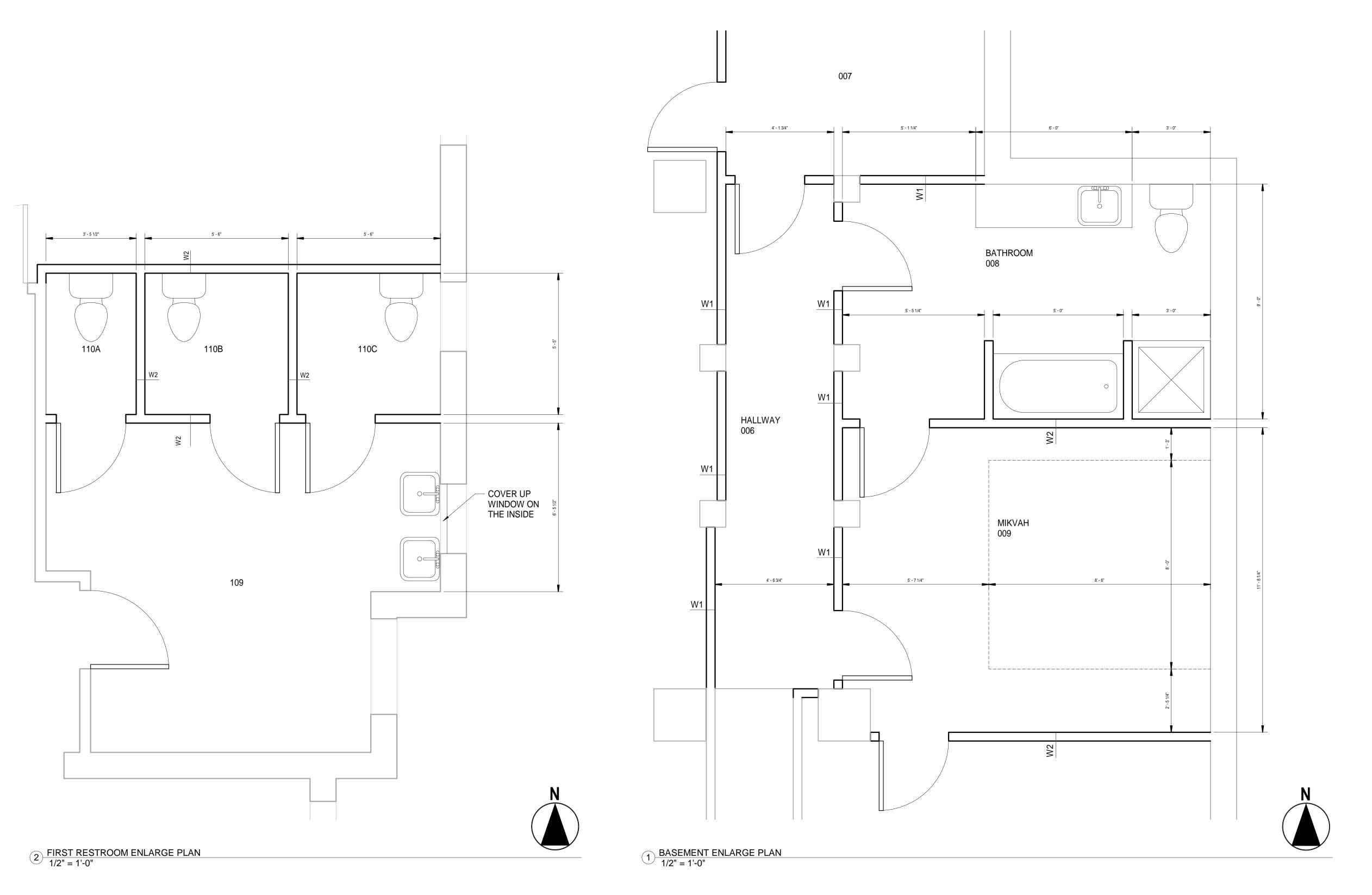
CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

DEMO PLAN

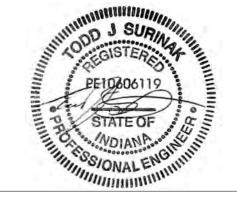
PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JAR
CHECKED BY:	TJS
A101	

SCALE: AS NOTED









STRUCTURAL ENGINEERING BY:
SURINAK ENGINEERING LLC
3819 N. DELAWARE ST.
INDIANAPOLIS, IN 46205
317.500.3159
WWW.SURINAKENGINEERING.COM

CLIENT:

RABBI AVI GROSSBAUM

CHABAD CENTER FOR JEWISH LIFE
BLOOMINGTON, IN

NOTES:

NO.	DESCRIPTION	DATE

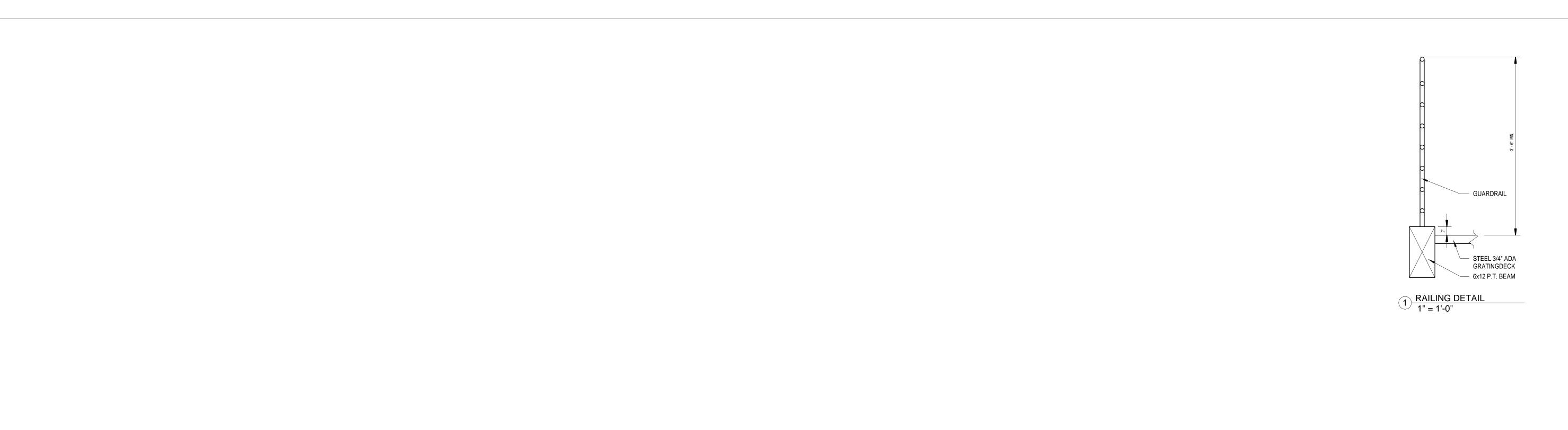
CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

ENL.	ARGE	PL	ANS

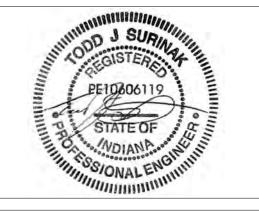
PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JAR
CHECKED BY:	TJS

A103

SCALE: AS NOTED







STRUCTURAL ENGINEERING BY:
SURINAK ENGINEERING LLC
3819 N. DELAWARE ST.
INDIANAPOLIS, IN 46205
317.500.3159
WWW.SURINAKENGINEERING.COM

CLIENT:

RABBI AVI GROSSBAUM

CHABAD CENTER FOR JEWISH LIFE
BLOOMINGTON, IN

NOTES:

NO.	DESCRIPTION	DAT

CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

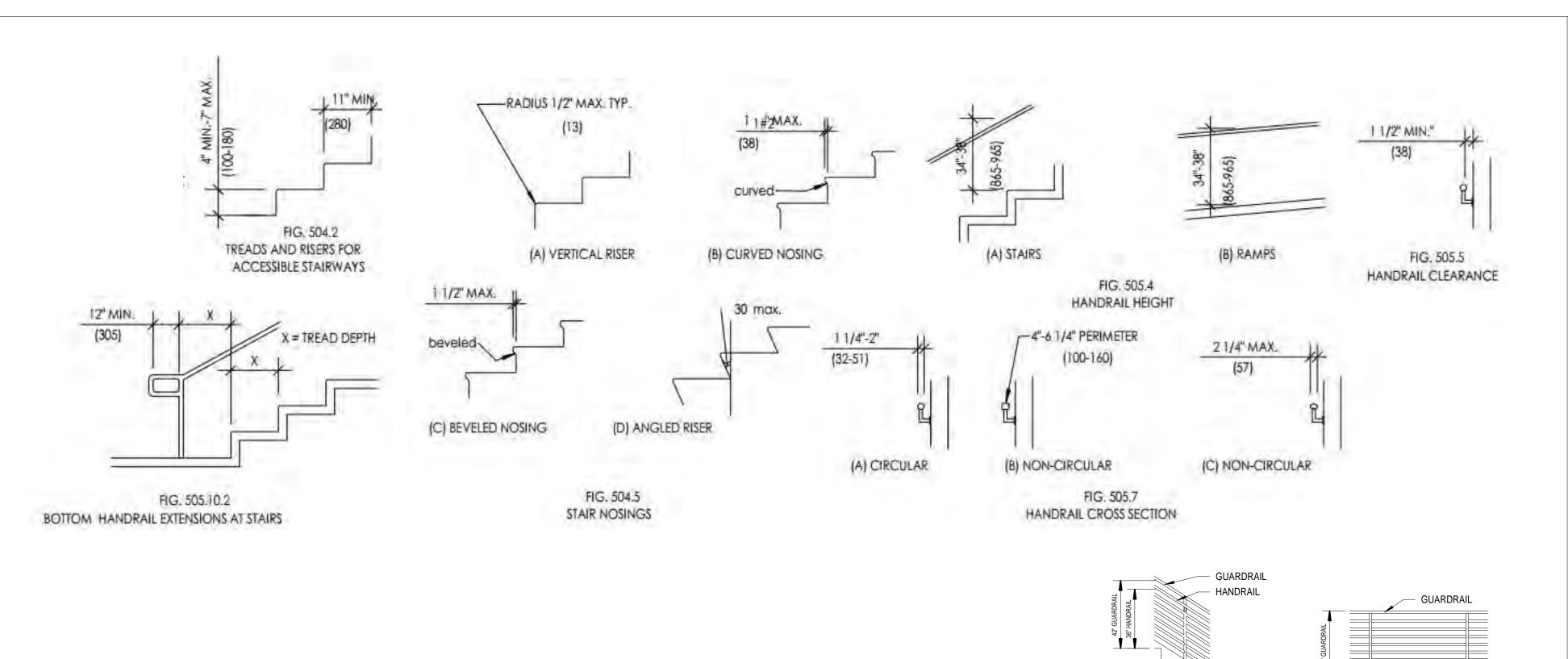
SECTION		
PROJECT NUMBER:	774	
DATE:	3-26-2020	
DRAWN BY:	JAR	
L OUEOVED DV		

A200

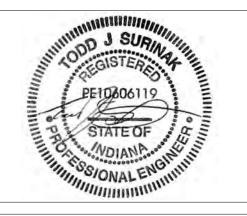
TJS

SCALE: AS NOTED

CHECKED BY:







STRUCTURAL ENGINEERING BY:
SURINAK ENGINEERING LLC
3819 N. DELAWARE ST.
INDIANAPOLIS, IN 46205
317.500.3159
WWW.SURINAKENGINEERING.COM

CLIENT:

RABBI AVI GROSSBAUM

CHABAD CENTER FOR JEWISH LIFE
BLOOMINGTON, IN

NOTES:

TOP OF DECK GRATING

DECK GUARDRAIL

DECK STAIR GUARDRAIL

AND HAND RAIL

NO.	DESCRIPTION	DATE

CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

TYP. DETAILS	
NUMBER:	

PROJECT NUMBER: 774

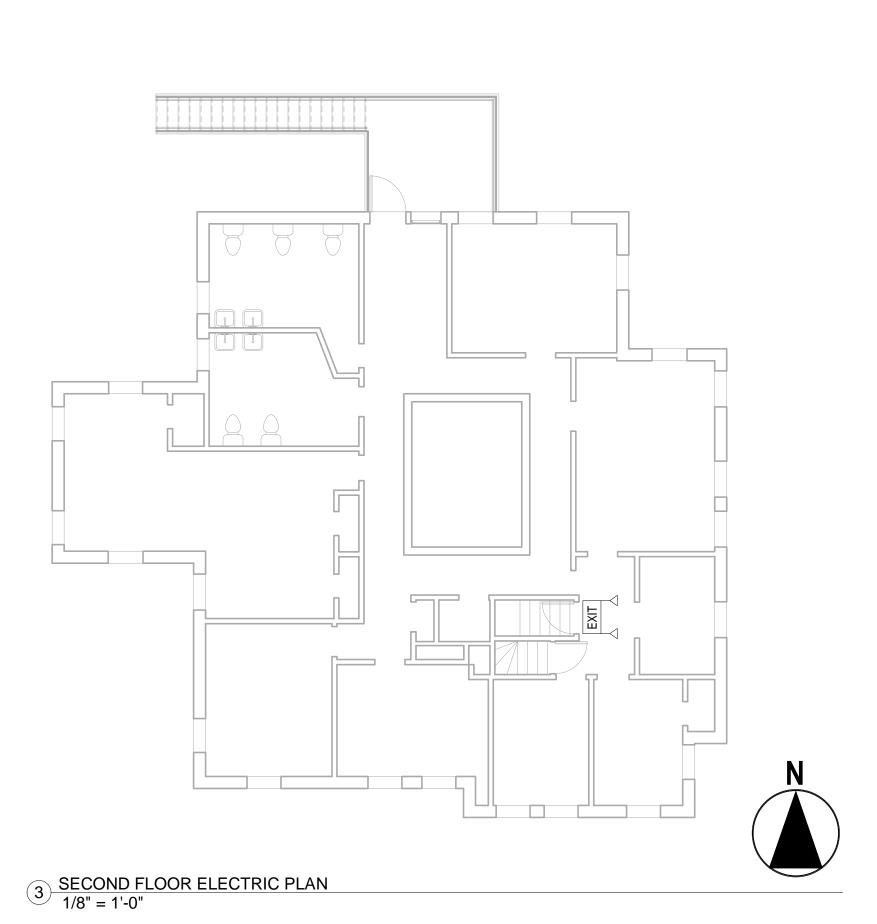
DATE: 3-26-2020

DRAWN BY: JAR

CHECKED BY: TJS

A500

SCALE: AS NOTED



ELECTRICAL NOTES

ELECTRICAL CONTRACTOR (E.C.) IS RESPONSIBLE FOR ALL CIRCUITING AS PER THE N.E.C. (NATIONAL ELECTRICAL CODE- LATEST EDITION) AND ALL LOCAL ORDINANCES

VERIFY ELECTRICAL SUPPLY REQUIREMENTS A.E.P./ OR LOCAL POWER COMPANY PRIOR TO BIDDING- ANY ADDITIONAL TRANSFORMER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR

ALL FEES FOR PERMANENT AND/OR TEMPORARY ELECTRICAL SERVICE SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR

ELECTRICAL CONTRACTOR SHALL FURNISH ALL PERMITS AND FEES

ELECTRICAL CONTRACTOR SHALL REVIEW AND COORDINATE WITH THE HVAC CONTRACTOR AND VERIFY ALL ELECTRICAL REQUIREMENTS FOR HVAC EQUIPMENT -ALL HOOK UPS SHALL BE THE E.C. RESPONSIBILITY

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL DISCONNECTS AT ALL HAVC UNITS -DISCONNECTS SHALL BE NON-FUSIBLE TYPE AS PER N.E.C.

SYSTEM GROUNDING SHALL BE IN ACCORDANCE WITH ARTICLE 250-80 THRU 84 OF THE NATIONAL ELECTRICAL

CONDUIT AND WIRE SIZE SHALL BE OF SIZE AND TYPE PERMITTED BY THE N.E.C. - MINIMUM WIRE SIZE #12 A.W.G. COPPER

ALL WIRING THAT IS IN WET AND/OR HAZARDOUS AREAS SHALL BE IN CONDUIT AND SIZED PER CODE

ALL DUPLEX OUTLETS AND SWITCHES SHALL BE G.F.I.C. TYPE WHERE WITHIN 6' 0" OF A OPEN WATER SOURCE

EXIT LIGHTING SHALL BE WIRED AHEAD OF MAIN PANEL UNLESS LIGHTING IS SELF-CONTAINED BATTERY POWER SUPPLY WITH CHARGER AS A STAND-BY POWER SOURCE

PROVIDE EMERGENCY LIGHTS EQUIPPED WITH SELF-CONTAINED BATTERY POWER SUPPLY AND CHARGER WHERE REQUIRED BY LIFE SAFETY CODE AND/OR RELATED CODES - WIRING SHALL BE IN ACCORDANCE WITH ARTICLE 700- N.E.C.

MAIN SERVICE TO BUILDING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR / VERIFY SERVICE REQUIREMENTS WITH LOCAL ELECTRICAL UTILITY COMPANY

ALL WIRING AND CONDUITS SHALL BE RUN PARALLEL TO STRUCTURAL FRAMING MEMBERS / DIAGONAL RUNS WILL NOT BE ALLOWED UNLESS APPROVED

E. C. IS REQUIRED TO BECOME FAMILIAR WITH OTHER TRADES AND COORDINATE THE WORK TO PREVENT POSSIBLE CONFLICTS

IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO COMPLY WITH ALL STATE AND LOCAL CODES EVEN IF THE DRAWINGS INDICATE OTHERWISE

IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO GROUND THE METAL BUILDING STRUCTURAL FRAME AS PER THE NATIONAL ELEC. CODE

TELEPHONE AND DATA JACKS, JBOXS, & WIRING BY OWNER VENDORS AND INSTALLERS

AUTOMATIC LIGHTING SHUT OFF CONTROLS MUST BE ADDED FOR NEW LIGHT CIRCUIT

INDEPENDENT LIGHTING CONTROLS MUST BE INSTALLED PER THIS PLAN AND ALL MANUAL CONTROLS MUST BE READILY ACCESSIBLE AND VISIBLE TO OCCUPANTS

SEPARATE LIGHTING CONTROL DEVICES FOR SPECIFIC USES MUST BE INSTALLED PER THIS PLAN

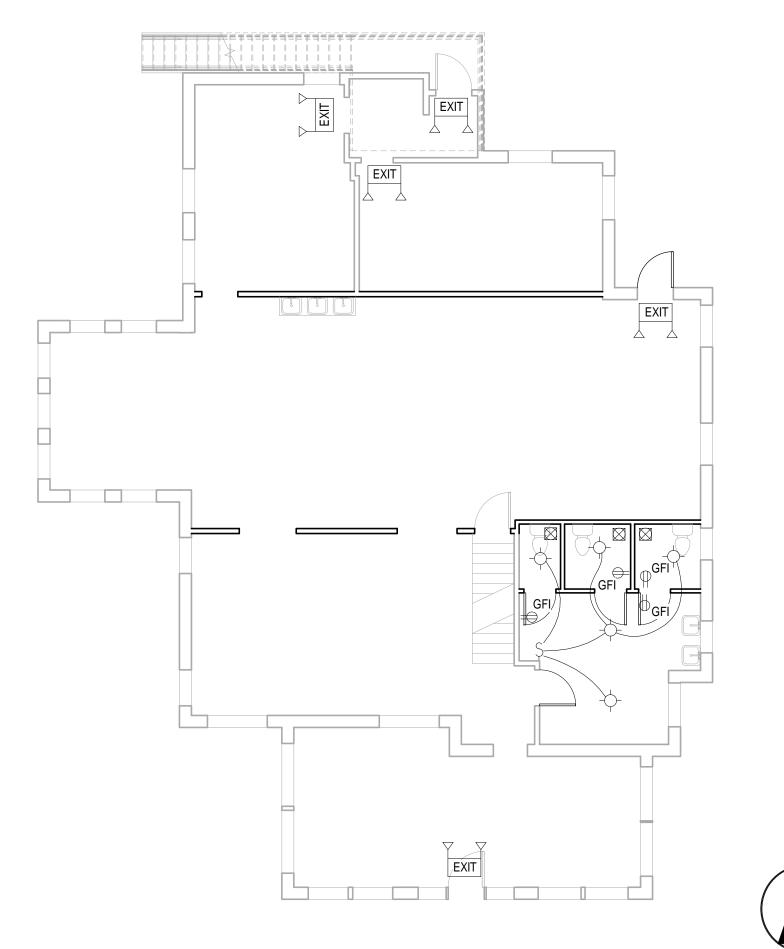
OCCUPANCY SENSORS MUST BE INSTALLED FOR ANY NEW LIGHTING. OCCUPANCY SENSOR MUST BE ABLE TO BE DEACTIVATED IN OBSERVANCE OF RELIGIOUS HOLIDAYS -TIMER BASED ALTERNATE IS ACCEPTABLE

EXIT SIGNS ARE NOT TO EXCEED 5 WATTS PER FACE

ADDITIONAL INTERIOR LIGHTING POWER IS ALLOWED FOR SPECIAL FUNCTIONS PER THIS PLAN IF THEY ARE AUTOMATICALLY CONTROLLED AND SEPARATED FROM GENERAL LIGHTING

E.C. TO FURNISH AS-BUILT DRAWINGS AND O&M INSTRUCTIONS WITHIN 30 DAYS OF SYSTEM ACCEPTANCE

E.C. IS RESPONSIBLE FOR TESTING ALL CONTROLS PRIOR TO ACCEPTANCE



2 FIRST FLOOR ELECTRIC PLAN 1/8" = 1'-0"

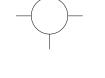
ELECTRIAL SYMBOLS

OUTLET

GFI OUTLET

LIGHT SWITCH

THREE-WAY LIGHT SWITCH



CEILING LIGHT

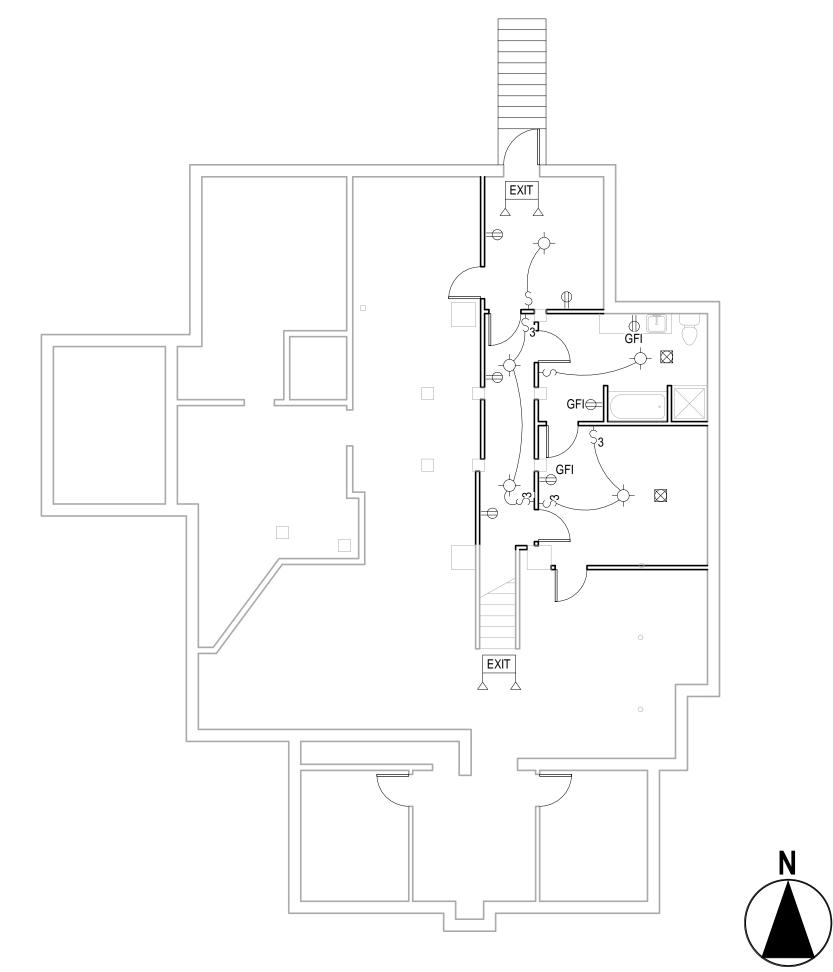


CEILING EXHAUST FAN VENT THROUGH ROFF, 75 CFM MIN 1'x1'

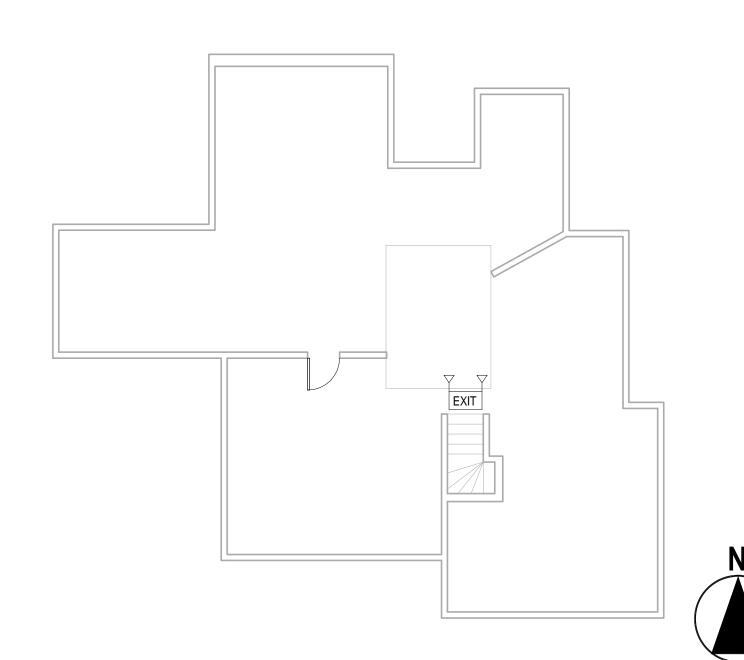


EMERGENCY EXIT SIGN WITH >90 MIN. BACKUP

NOTE SWITCHS ARE CLOCK, NOT OCCUPANCY SENSOR



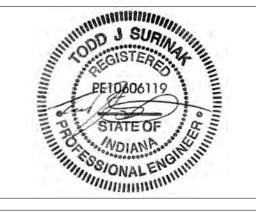
1 BASEMENT ELECTRIC PLAN 1/8" = 1'-0"



4 THIRD FLOOR ELECTRIC PLAN 1/8" = 1'-0"



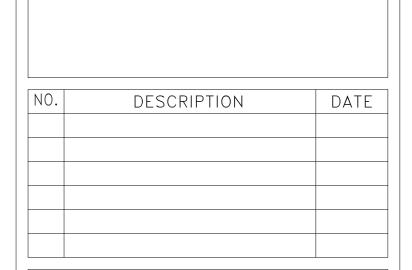
www.SurinakEngineering.com



STRUCTURAL ENGINEERING BY: SURINAK ENGINEERING LLC 3819 N. DELAWARE ST. INDIANAPOLIS, IN 46205 317.500.3159 WWW.SURINAKENGINEERING.COM

CLIENT: RABBI AVI GROSSBAUM CHABAD CENTER FOR JEWISH LIFE BLOOMINGTON, IN

NOTES:



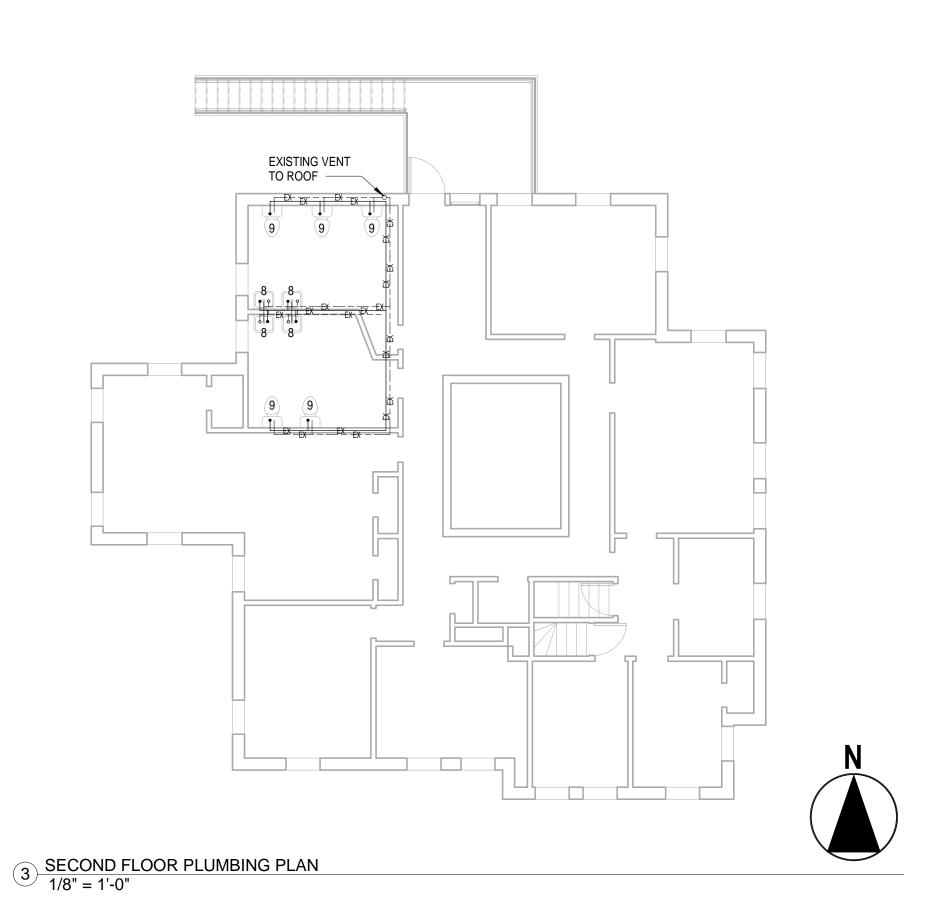
CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

Æ
/

PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JAR
CHECKED BY:	TJS

E100

AS NOTED SCALE:



PLUMBING NOTES

PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PORTIONS OF THE WORK RELATED TO PLUMBING SCOPE. MEANS, METHODS, AND INSTALLATIONS SHALL MEET OR EXCEED MINIMUM REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. VERIFY EXISTING CONDITIONS PRIOR TO STARTING WORK. CO-ORDINATE WORK WITH OTHER TRADES PRIOR TO PLACING LINES & EQUIPMENT.

PERFORM ALL WORK IN FIRST CLASS MANNER, OF THE HIGHEST QUALITY TRUE TO LINE AND GRADE, USING NEW MATERIALS, AND IN ACCORDANCE WITH ALL APPLICABLE CODES & ORDINANCES.

PROVIDE FIRST QUALITY, COMMERCIAL GRADE FIXTURES, FAUCETS & TRIM, AS MANUFACTURED BY CRANE, AMERICAN STANDARD OR APPROVED EQUAL, MEETING REQUIREMENTS OF A.D.A.. WATER SAVING STANDARDS, & APPLICABLE PLUMBING CODES.

PROVIDE SUBMITTALS ON FAUCETS, FIXTURES, TRIM AND EQUIPMENT FOR APPROVAL BY OWNER.

WATER CLOSETS SHALL HAVE AN ELONGATED RIM AND SPLIT FRONT SEAT. URINALS SHALL HAVE ELONGATED RIM.

LAVATORIES SHALL BE ADA APPROVED, SINGLE BOWL TYPE, WALL HUNG OR SELF-RIMMING (RE: ARCH. DWGS.) W/ LEVER HANDLE FAUCET.

ALL SUPPLY PIPING LARGER THAN 1" NOMINAL DIAMETER SHALL BE "ZURNPEX" TUBING OR APPROVED EQUAL / ALL PIPING 1" OR SMALLER SHALL BE PEX TUBING WITH MECHANICAL CONNECTIONS AS RECOMMENDED BY TUBING MANUFACTURER-COLOR CODE TUBING: BLUE FOR COLD WATER / RED FOR HOT WATER

PROVIDE IN-LINE GATE VALVES TO ISOLATE EACH MAJOR SUPPLY BRANCH. PROVIDE STOPS FOR EACH FIXTURE AND INSULATION VALVES FOR EACH PIECE OF EQUIPMENT. INSULATE ALL LINES

WASTE & VENT LINES & CONNECTIONS SHALL BE SCHEDULE 40 PVC DWV ABOVE AND BELOW GRADE, EXCEPT WHERE NOT ALLOWED BY CODE.

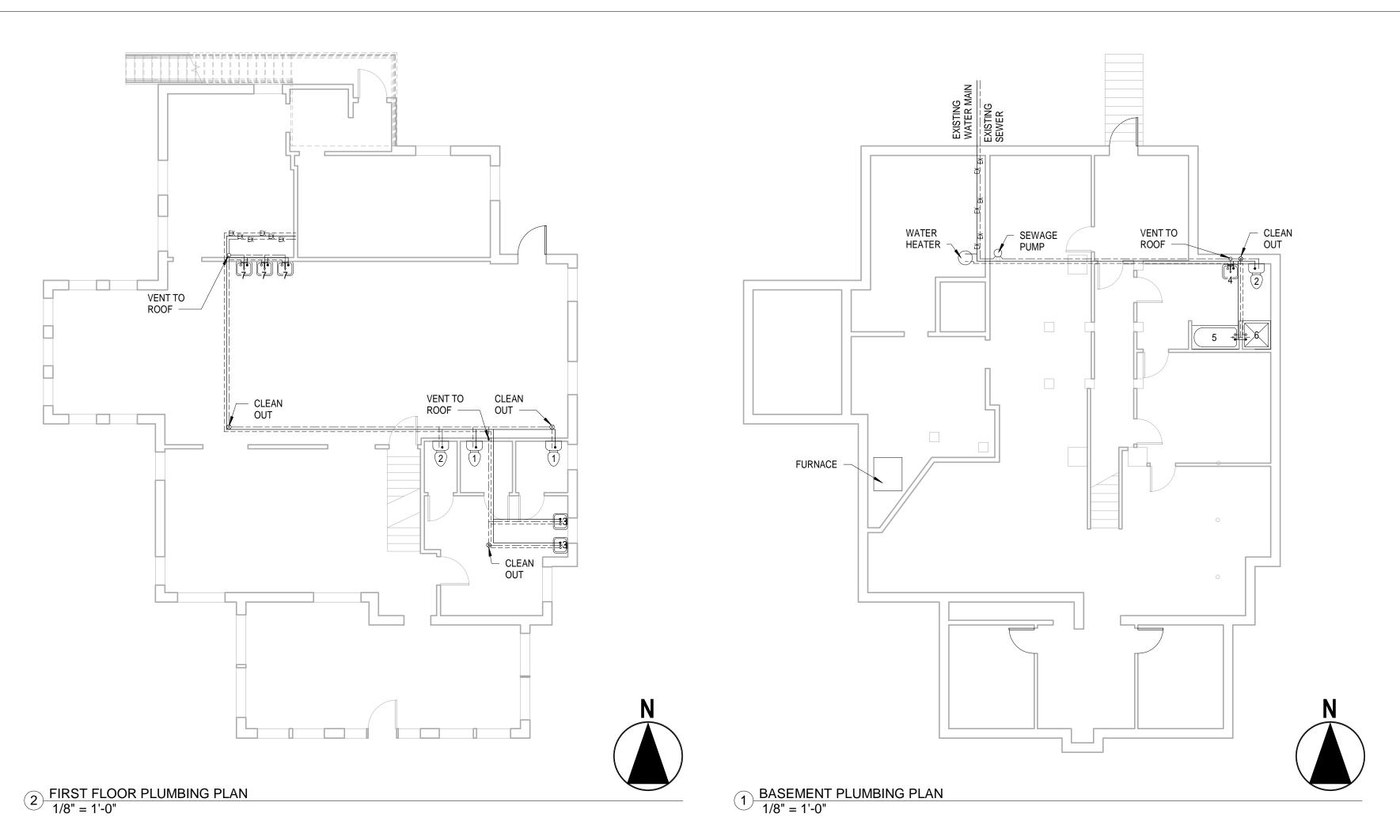
VERIFY UTILITY CONNECTION POINTS W/OWNER & LOCAL UTILITY PRIOR TO BEGINNING WORK.

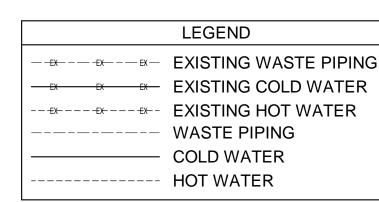
SANITIZE SYSTEM BEFORE FINAL OCCUPANCY BY OWNER. FLUSH SYSTEM TO REMOVE SANITIZING AGENTS.

PROVIDE O & M MANUALS, AS-BUILTS DWGS., SPARE PARTS LIST, AND MINIMUM 1YEAR WARRANTY ON ALL LABOR & MATERIALS INSTALLED.

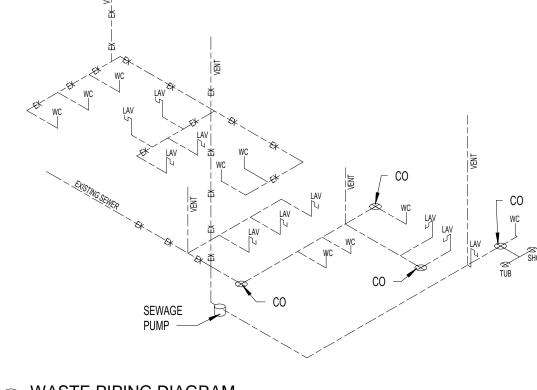
675IAC13-2.6-29(h) - IN LIEU OF DRINKING FOUNTAIN

OWNER TO PROVIDE WATER FREE OF CHARGE TO THE PUBLIC PER

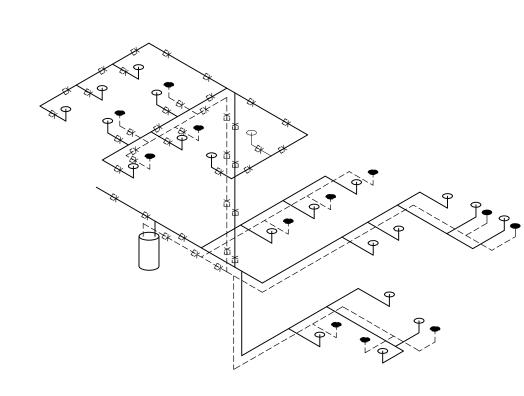




	FIXTURE SCHEDULE		
MARK	FIXTURE	STYLE	
1	WATER CLOSET	ADA - FILL TANK - MANUAL FLUSH	
2	WATER CLOSET	FILL TANK - MANUAL FLUSH	
3	LAVATORY	ADA - CUSTOMER SELECTED	
4	LAVATORY	CUSTOMER SELECTED	
5	TUB	CUSTOMER SELECTED	
6	SHOWER	CUSTOMER SELECTED	
7	SINK	CUSTOMER SELECTED	
8	LAVATORY	EXISTING	
9	WATER CLOSET	EXISTING	







WATER SUPPLY DIAGRAM

1/4" – 1'.0" 1/4" = 1'-0"



www.SurinakEngineering.com



STRUCTURAL ENGINEERING BY: SURINAK ENGINEERING LLC 3819 N. DELAWARE ST. INDIANAPOLIS, IN 46205 317.500.3159 WWW.SURINAKENGINEERING.COM

CLIENT: RABBI AVI GROSSBAUM CHABAD CENTER FOR JEWISH LIFE BLOOMINGTON, IN

NOTES:

NO.	DESCRIPTION	DATE

CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JAR
CHECKED BY:	TJS

PLUMBING PLAN

P100

SCALE: AS NOTED

GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE 2014 EDITION OF THE INDIANA RESIDENTIAL CODE AND TO
- ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE SER WILL NOT ADVISE ON, NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
- 3. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF THE BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 4. THE SER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE
- RESPONSIBILITY OF THE CONTRACTOR. 5. THE DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL OF THE SER.
- 6. ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION IN ACCORDANCE WITH THE SUPPLIER'S INSTRUCTIONS AND REQUIREMENTS.
- 7. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN DATA" NOTES. DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL PERMANENT BRACING IS IN PLACE.
- 8. ALL ASTM AND OTHER REFERENCED STANDARDS AND CODES ARE FOR THE LATEST EDITIONS OF THESE PUBLICATIONS, UNLESS NOTED OTHERWISE.
- 9. SHOP DRAWINGS AND OTHER ITEMS SHALL BE SUBMITTED TO THE SER FOR REVIEW PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR BEFORE SUBMITTAL. THE SER'S REVIEW IS TO BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS.
- 10. IN NO CASE SHALL REPRODUCTIONS OF THE CONTRACT DOCUMENTS BE USED AS SHOP DRAWINGS. AS A MINIMUM, SUBMIT THE FOLLOWING ITEMS FOR REVIEW.
- A. CONCRETE MIX DESIGN(S). B. REINFORCING STEEL SHOP DRAWINGS
- 11. RESUBMITTED SHOP DRAWINGS: RESUBMITTED SHOP DRAWINGS ARE REVIEWED ONLY FOR RESPONSES TO COMMENTS MADE IN THE PREVIOUS SUBMITTAL.
- 12. WHEN CALCULATIONS ARE INCLUDED IN THE SUBMITTALS FOR COMPONENTS OF WORK ESIGNED AND CERTIFIED BY A SPECIALTY STRUCTURAL ENGINEER (SSE), THE REVIEW BY THE STRUCTURAL ENGINEER OF RECORD (SER) SHALL BE FOR CONFORMANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE SER'S REVIEW DOES NOT RELIEVE THE SPECIALTY STRUCTURAL ENGINEER FROM RESPONSIBILTY FOR THE DESIGN OF THE SYSTEM(S) AND THE COORDINATION WITH THE ELEMENTS OF THE STRUCTURE UNDER THE CERTIFICATION OF THE STRUCTURAL ENGINEER OF RECORD, OR OTHER SPECIALTY STRUCTURAL ENGINEER. THE SER'S REVIEW DOES NOT CONSTITUTE A WARRANTY OF THE ACCURACY OR COMPLETENESS OF THE SPECIALTY STRUCTURAL ENGINEER'S DESIGN.
- 13. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
- 14. NO STRUCTURAL MEMBER MAY BE CUT, NOTCHED, OR OTHERWISE REDUCED IN STRENGTH WITHOUT WRITTEN DIRECTION FROM THE SER.
- 15. WHEN MODIFICATIONS ARE PROPOSED TO STRUCTURAL ELEMENTS UNDER THE DESIGN AND CERTIFICATION OF A SPECIALTY STRUCTURAL ENGINEER, WRITTEN AUTHORIZATION BY THE SPECIALTY STRUCTURAL ENGINEER MUST BE OBTAINED AND SUBMITTED TO THE SER FOR REVIEW, PRIOR TO PERFORMING THE PROPOSED MODIFICATIONS.

CONCRETE REINFORCING

- 1. REINFORCEMENT, OTHER THAN COLD DRAWN WIRE FOR SPIRALS AND WELDED WIRE FABRIC, SHALL HAVE DEFORMED SURFACES IN ACCORDANCE WITH ASTM A305.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED.
- 3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, UNLESS NOTED.
- 4. WHERE HOOKS ARE INDICATED, PROVIDE STANDARD HOOKS PER ACI AND CRSI FOR ALL BARS UNLESS OTHER HOOK DIMENSIONS ARE SHOWN ON THE PLANS OR DETAILS.
- 5. REINFORCEMENT IN FOOTINGS, WALLS AND BEAMS SHALL BE CONTINUOUS. LAP BARS A MINIMUM OF 36 DIAMTETERS, UNLESS NOTED OTHERWISE.
- 6. REINFORCEMENT SHALL BE SUPPORTED AND SECURED AGAINST DISPLACEMENT IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE'S "MANUAL OF STANDARD PRACTICE."
- 7. DETAILS OF REINFORCING STEEL FABRICATION AND PLACEMENT SHALL CONFORM TO ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AND ACI 315R "MANUAL O ENGINEERING AND PLACING DRAWINGS FOR REINFORCED CONCRETE STRUCTURES", UNLESS OTHERWISE INDICATED.
- 8. SPREAD REINFORCING STEEL AROUND SMALL OPENINGS AND SLEEVES IN SLABS AND WALLS, WHERE POSSIBLE, AND WHERE BAR SPACING WILL NOT EXCEED 1.5 TIMES THE NORMAL SPACING. DISCONTINUE BARS AT ALL LARGE OPENINGS WHERE NECESSARY, AND PROVIDE AN AREA OF REINFORCEMENT, EQUAL TO THE INTERRUPTED REINFORCEMENT, IN FULL LENGTH BARS, DISTRIBUTING ONE-HALF EACH SIDE OF THE OPENING. WHERE SHRINKAGE AND TEMPERATURE REINFORCEMENT IS INTERRUPTED. ADD (2) #5X OPENING DIMENSION + 4'-0" ON EACH SIDE OF THE OPENING. PROVIDE #5X4'-0" DIAGONAL BARS IN BOTH FACES, AT EACH CORNER OF OPENINGS LARGER THAN 12" IN ANY DIRECTION.
- 9. PROVIDE STANDEES FOR THE SUPPORT OF TOP REINFORCEMENT FOR FOOTINGS, PILE CAPS, AND MAT FOUNDATIONS.
- 10. PROVIDE INDIVIDUAL HIGH CHAIRS, WITH SUPPORT BARS, AS REQUIRED FOR THE SUPPORT OF TOP REINFORCEMENT FOR SUPPORTED SLABS.
- 11. WHERE WALLS SIT ON COLUMN FOOTINGS, PROVIDE DOWELS FOR THE WALL. DOWELS SHALL BE THE SAME SIZE AND SPACING AS THE VERTICAL WALL REINFORCEMENT, UNLESS NOTED OTHERWISE, WITH LAP SPLICES AS SHOWN ON THE APPLICATION SECTIONS. INSTALL DOWELS IN THE FOOTING FOR MS BEFORE CONCRETE IS PLACED. DO NOT STICK DOWELS INTO FOOTINGS AFTER CONCRETE IS PLACED.
- 12. MINIMUM CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS SPECIFIED ON THIS SHEET UNLESS NOTED OTHERWISE ON PLAN.

<u>CONCRETE</u>

- 1. THE MIXING, HANDLING, PLACING, AND CURING OF CONRETE SHALL BE IN ACCORDANCE WITH
- THE ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONRETE" (ACI 318). 2. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORANCE WITH ACI 301, ACI 318 AND ACI 306. DO NOT PLACE DURING RAIN, SLEET, OR SNOW WITHOUT ADEQUATE PROTECTION. HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
- 3. WALL FOOTINGS AND SPREAD FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AND SLABS ON GRADE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF
- 4. CONTRACTOR SHALL FURNISH A MIX DESIGN FOR EACH CLASS OF CONCRETE SPECIFIED. 5. SLAB ON GRADE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION (ACI 302.1R).
- 6. DO NOT FINISH SURFACE UNTIL CONCRETE HAS LOST SURFACE WATER SHEEN OR ALL FREE WATER. DO NOT SPRINKLE CEMENT ON SLAB SURFACE.
- 7. COMPRESSIVE STRENGTH TEST SHALL CONFORM TO THE REQUIREMENTS OF ASTM C39.
- 8. AIR ENTRAINMENT 4%-6% IN ALL EXPOSED CONCRETE. 9. SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL AND MIX DESIGNS FOR REVIEW

PRIOR TO PLACING ANY CONCRETE.

MINIMUM COVER FOR REINFORCEMENT

FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, OR WEATHER, AND OVER OR IN CONTACT WITH SEWAGE AND FOR BOTTOMS BEARING ON:

DESIGN DATA

LIVE LO)	
	<u>JAD.</u> _OAD	20 DSI
	BLY AREA	
	ESS AREA	
	DECK	
	ND SNOW LOAD	
ROOF I	OAD	20 PSF

EXISTING STRUCTURE THAT IS REMAINING SAME OCCUPANCY HAS NOT BEEN STRUCTURALLY

FOUNDATIONS

- 1. PROOFROLL SLAB ON GRADE AREAS WITH A MEDIUM-WEIGHT ROLLER OR OTHER SUITABLE EQUIPMENT TO CHECK FOR POCKETS OF SOFT MATERIAL HIDDEN BENEATH A THIN CRUST OF BETTER SOIL. ANY UNSUITABLE MATERIALS THUS EXPOSED SHOULD BE REMOVED AND REPLACED WITH COMPACTED, ENGINEERED FILL AS OUTLINED IN THE SPECIFICATIONS. PROOF ROLLING OPERATIONS SHALL BE MONITORED BY THE GEOTECHNICAL TESTING
- 2. ALL ENGINEERED FILL BENEATH SLABS AND OVER FOOTINGS SHOULD BE COMPACTED TO A DRY DENSITY OF AT LEAST 93% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557). ALL FILL WHICH SHALL BE STRESSED BY FOUNDATION LOADS SHALL BE APPROVED GRANULAR MATERIALS COMPACTED TO A DRY DENSITY OF AT LEAST 95% (ASTM D 1557). COORDINATE ALL FILL AND COMPACTION OPERATIONS WITH THE SPECIFICATIONS AND THE SUBSURFACE INVESTIGATION.
- 3. COMPACTION SHALL BE ACCOMPLISHED BY PLACING FILL IN APPROX. 8" LIFTS AND MECHANICALLY COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY. FOR LARGE AREAS OF FILL, FIELD DENSITY TESTS SHALL BE PERFORMED FOR EACH 3,000 SQUARE FEET OF BUILDING AREA FOR EACH LIFT AS NECESSARY TO INSURE ADEQUATE COMPACTION IS BEING ACHIEVED.
- 4. COLUMN FOOTINGS AND WALL FOOTINGS TO BEAR ON FIRM NATURAL SOILS OR WELL COMPACTED ENGINEERED FILL WITH ALLOWABLE BEARING PRESSURE OF 1,500 PSF. IT IS ESSENTIAL THAT THE FOUNDATIONS BE INSPECTED TO ENSURE THAT ALL LOOSE, SOFT OR OTHERWISE UNDESIRABLE MATERIAL (SUCH AS ORGANICS, EXISTING FILL, ETC.) IS REMOVED AND THAT THE FOUNDATION WILL BEAR ON SATISFACTORY MATERIAL. THE GEOTECHNICAL TESTING AGENCY SHALL INSPECT THE SUBGRADE AND PERFORM ANY NECESSARY TESTS TO ENSURE THAT THE ACTUAL BEARING CAPACITIES MEET OR EXCEED THE DESIGN CAPACITIES. THE TESTING AGENCY SHALL VERIFY THE BEARING CAPACITY AT EACH SPREAD COLUMN FOOTING AND EVERY 10 FEET ON CENTER FOR STRIP FOOTINGS PRIOR TO PLACEMENT OF
- 5. PLACE FOOTINGS THE SAME DAY THE EXCAVATION IS PERFORMED. IF THIS IS NOT POSSIBLE, THE FOOTINGS SHALL BE ADEQUATELY PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION, SUCH AS FROM DISTURBANCE, RAIN AND FREEZING. 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND EACH SUB-CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES AND SERVICES SHOWN, OR NOT SHOWN, AND ESTABLISH SAFE WORKING CONDITIONS BEFORE COMMENCING WORK.
- 7. THE CONTRACTOR SHALL LAYOUT THE ENTIRE BUILDING AND FIELD VERIFY ALL DIMENSIONS PRIOR TO EXCAVATION.
- 8. INTERIOR FOOTINGS SHALL HAVE MIN 6" COVER OVER TOE, U.N.O.

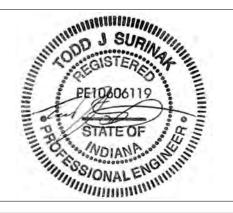
<u>MASONRY</u>

- 1. MASONRY HAS BEEN DESIGNED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-11/ASCE 5-11) AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-11), EXCEPT WHERE MODIFIED BY THESE GENERAL NOTES AND SPECIFICATIONS.
- MORTAR FOR NEW BRICK SHALL CONFORM TO ASTM C270, TYPE M OR S. MORTAR FOR OLD BRICK TO BE OF LESSER STRENGTH THAN THE OLD BRICK. ALL PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. LIME SHALL CONFORM TO ASTM C207 AND MASONRY CEMENT SHALL CONFORM TO ASTM C91.
- 3. GROUT SHALL CONFORM TO ASTM C476 AND SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE
- STRENGTH OF 3000 PSI. 4. CONRETE BLOCK UNITS SHALL BE SOLID AND HOLLOW LOAD BEARING UNITS PER ASTM C90, TYPE N-1, AS REQUIRED TO PROVIDE 28 DAY COMPRESSIVE STRENGTH, fm AS NOTED BELOW. 5. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF MASONRY, fm SHALL BE 1,500 PSI, UNLESS NOTED OTHERWISE.
- 6. VERTICAL REINFORCEMENT: PROVIDE A MINIMUM OF #5 @48" IN 10" CMU WALLS U.N.O. SECURE REINFORCEMENT WITH VERTICAL BAR POSITIONERS, SINGLE OR DOUBLE REBAR POSITIONERS. LAP BARS A MINIMUM OF 32". PROVIDE #5 @ 24" FOR ALL MASONRY SHAFT WALLS.
- 7. HORIZONTAL REINFORCEMENT: PROVIDE 9 GAGE, LADDER TYPE JOINT REINFORCEMENT FORMED FROM GALVANIZED CARBON-STEEL WIRE, ASTM A 153, CLASS B-2, FOR BOTH INTERIOR AND EXTERIOR WALLS. SPACE REINFORCEMENT 16" O.C (6" LAP MINIMUM). CUT OR INTERRUPT REINFORCING AT CONTROL JOINTS.
- 8. ADDITIONAL REINFORCEMENT: PROVIDE A MINIMUM OF (1) #5 AT CORNERS, WITHIN 16" OF EACH SIDE OF OPENINGS, WITHIN 8" OF EACH SIDE OF CONTROL JOINTS AND WITHIN 8" OF THE ENDS OF WALLS. BOND BEAMS SHALL HAVE (2) #5'S CONTINUOS AND REINFORCEMENT SHALL BE TURNED AND LAPPED AT ALL CORNERS AND INTERSECTIONS
- BOND BEAMS SHALL BE PROVIDED AT EACH FRAMING LEVEL.
- 10. FILL ALL CELLS IN TOP TWO COURSES BELOW FINISHED FLOOR, CMU LINTELS, BOND BEAMS, AND BEAM BEARINGS AND CELLS WITH REINFORCEMENT FULL HEIGHT SOLID WITH GROUT.
- 11. HOLLOW CONCRETE UNITS BELOW GRADE AND SLAB ON GRADE SHALL BE NORMAL WEIGHT AND HAVE ALL CELLS GROUTED SOLID. PROVIDE AND INSTALL TEMPORARY BRACING REQUIRED INSURING STABILITY OF ALL WALLS
- DURING CONSTRUCTION AND UNTIL ERECTION OF ATTACHED STRUCTURAL FRAMING IS 13. ALLOW GROUT IN REINFORCED CMU WALLS TO CURE A MINIMUM OF 48 HOURS BEFORE
- IMPOSING CONCENTRATED OR OTHER LOADS FROM ABOVE.
- 14. ALL PIERS AND PARTITIONS SHALL BE BONDED OR ANCHORED TO ADJACENT MASONRY WALLS. PROVIDE TIES TO ADJACENT FLOOR AND ROOF CONSTRUCTION IN ACCORDANCE WITH DETAILS
- 15. THE TESTING AND INSPECTION AGENCY SHALL MONITOR PROPORTIONING, MIXING, AND CONSISTENCY OF MORTAR AND GROUT; THE PLACEMENT OF THE MASONRY UNITS; AND MATERIALS, AND THE PLACEMENT OF REINFORCING STEEL.

- 1. ALL WOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN WOOD COUNCILS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION," CURRENT EDITION.
- 2. ALL JOIST, RAFTER & MISC. FRAMING SHALL BE NO. 1 GRADE, SOUTHERN PINE. U.N.O. PROVIDE FULL-DEPTH (OR METAL) BRIDGING AT MIDSPAN AND AT MAXIMUM SPACING OF 8'-0" O.C IN
- 3. ALL FRAMING EXPOSED TO THE WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE-TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS ASSOCIATION SPECIFICATIONS. WHERE POSSIBLE, ALL CUTS AND HOLES SHOULD BE COMPLETED BEFORE TREATMENT. CUTS AND HOLES DUE TO ON-SITE FABRICATION SHALL BE BRUSHED WITH 2 COATS OF COPPER NAPHTHENATE SOLUTION CONTAINING A MINIMUM OF 2% METALLIC COPPER IN SOLUTIONS (PER AWPA STD. M4).
- 4. THE CONTRACTOR SHALL CAREFULLY SELECT LUMBER TO BE USED IN LOAD BEARING APPLICATIONS. THE LENGTH OF SPLIT ON THE WIDE FACE OF 2" NOMINAL LOADING BEARING FRAMING SHALL BE LIMITED TO LESS THAN ½ OF THE WIDE FACE DIMENSION. THE LENGTH OF SPLIT ON THE WIDE FACE OF 3" (NOMINAL) AND THICKER LUMBER SHALL BE LIMITED TO ½ OF THE NARROW FACE DIMENSION.
- 5. STRUCTURAL STEEL PLATE CONNECTORS SHALL CONFORM TO ASTM A-36 SPECIFICATIONS AND BE 1/4" THICK UNLESS OTHERWISE INDICATED. BOLTS CONNECTING WOOD MEMBERS SHALL BE PER ASTM A-307 AND BE 3/4" DIAMETER UNLESS OTHERWISE INDICATED. PROVIDE WASHERS FOR ALL BOLT HEADS AND NUTS IN CONTACT WITH WOOD SURFACES. PROVIDE HOT DIP GALVANIZED IN POOL AREA AND AREAS EXPOSED TO WEATHER.
- 6. LAMINATED VENEER LUMBER (LVL) BEAMS AND HEADERS TO HAVE A MIN. Fb OF 2,800 PSI AND Emin OF 2,000,000 PSI. 7. BOLT HOLES SHALL BE CAREFULLY CENTERED AND DRILLED NOT MORE THAN 1/16" LARGER
- THAN THE BOLT DIAMETER. BOLTED CONNECTIONS SHALL BE SNUGGED TIGHT BUT NOT THE EXTENT OF CRUSHING WOOD UNDER WASHERS. 8. ALL NAILING AND BRACING NOT OTHERWISE INDICATED SHALL BE IN ACCORDANCE WITH THE 2014 INDIANA BUILDING CODE.
- 9. PREFABRICATED METAL JOIST HANGERS, HURRICANE CLIPS, HOLD-DOWN ANCHORS AND OTHER ACCESSORIES SHALL BE AS MANUFACTURED BY "SIMPSON STRONG-TIE COMPANY", OR APPROVED EQUAL. INSTALL ALL ACCESSORIES PER THE MANUFACTURER'S REQUIREMENTS. ALL STEEL SHALL HAVE A MINIMUM THICKNESS OF 0.04 INCHES (PER ASTM A446, GRADE A) AND BE GALVANIZED (COATING G60).
- 10. HOLES AND NOTCHES DRILLED OR CUT INTO WOOD FRAMING SHALL NOT EXCEED THE REQUIREMENTS OF THE CURRENT EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
- 11. SILL PLATES SHALL BE ANCHORED WITH 5/8"Ø ANCHORS WITH 7" EMBEDDEMENT MAXIMUM 32" O.C. AND MAXIMUM 8" FROM WALL ENDS.
- 12. ALL FLOOR SHEATHING/SUBFLOOR SHALL BE 3/4" NOMINAL (23/32" ACTUAL) ADVANTECH BY HUBER ENGINEERED WOODS, LLC WITH TONGUE-AND GROOVE EDGES, UNLESS OTHERWISE NOTED. REFER TO PLANS AND MANUFACTURES RECOMMENDATIONS FOR FASTENING REQUIREMENTS.



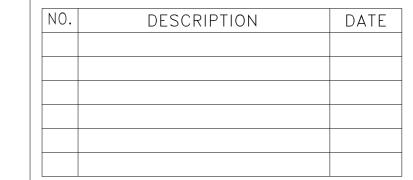
www.SurinakEngineering.com



STRUCTURAL ENGINEERING BY: SURINAK ENGINEERING LLC 3819 N. DELAWARE ST. INDIANAPOLIS, IN 46205 317.500.3159 WWW.SURINAKENGINEERING.COM

CLIENT: RABBI AVI GROSSBAUM CHABAD CENTER FOR JEWISH LIFE BLOOMINGTON, IN

NOTES:



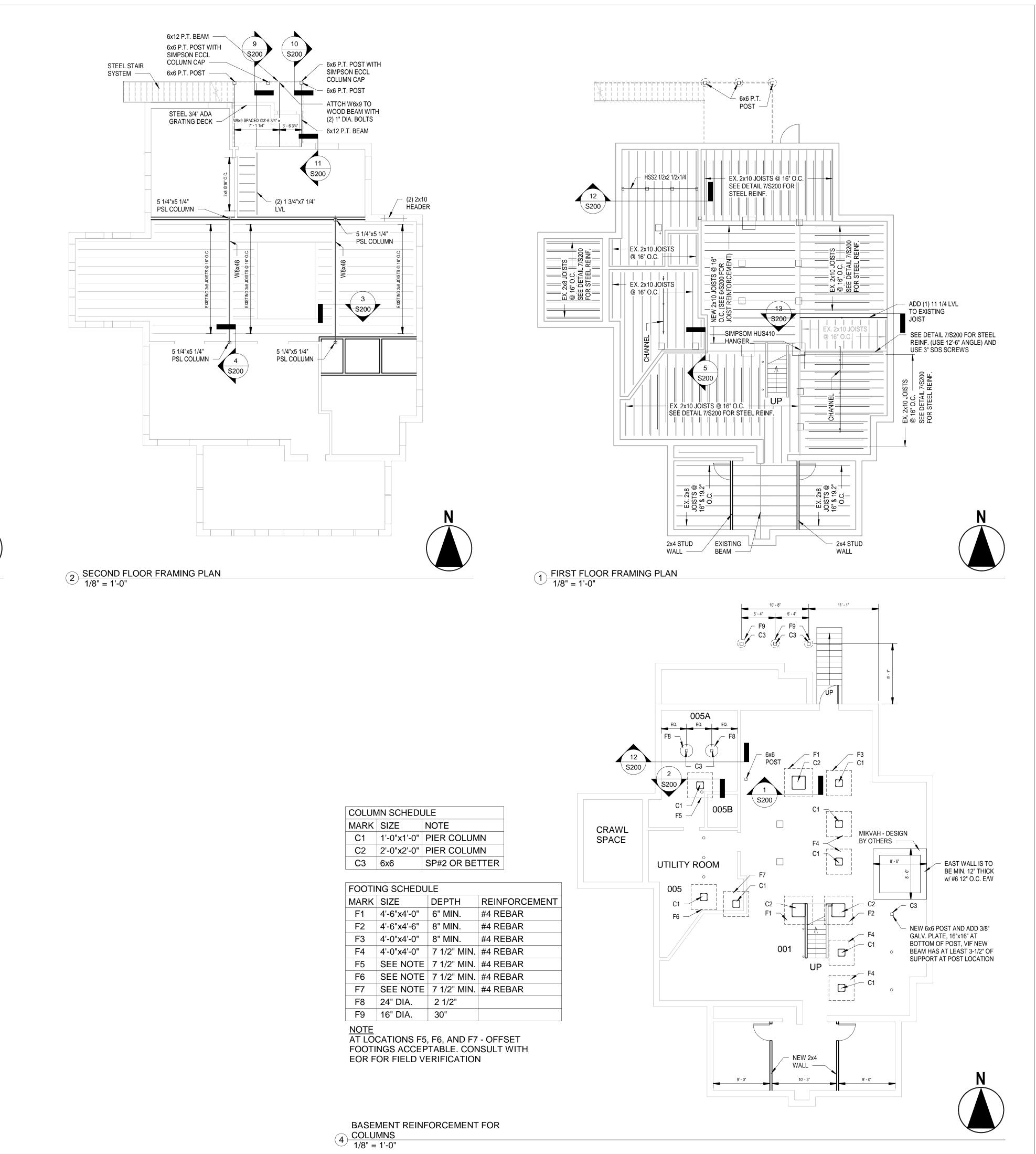
CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

STRUCTURAL GENERAL NOTES

PROJECT NUMBER: 774 DATE: 3-26-2020 DRAWN BY: TJS CHECKED BY:

S001

SCALE: AS NOTED



3 THIRD FLOOR FRAMING PLAN 1/8" = 1'-0"



www.SurinakEngineering.com



STRUCTURAL ENGINEERING BY:
SURINAK ENGINEERING LLC
3819 N. DELAWARE ST.
INDIANAPOLIS, IN 46205
317.500.3159
WWW.SURINAKENGINEERING.COM

CLIENT:

RABBI AVI GROSSBAUM

CHABAD CENTER FOR JEWISH LIFE
BLOOMINGTON, IN

NOTES:

NO. DESCRIPTION DATE

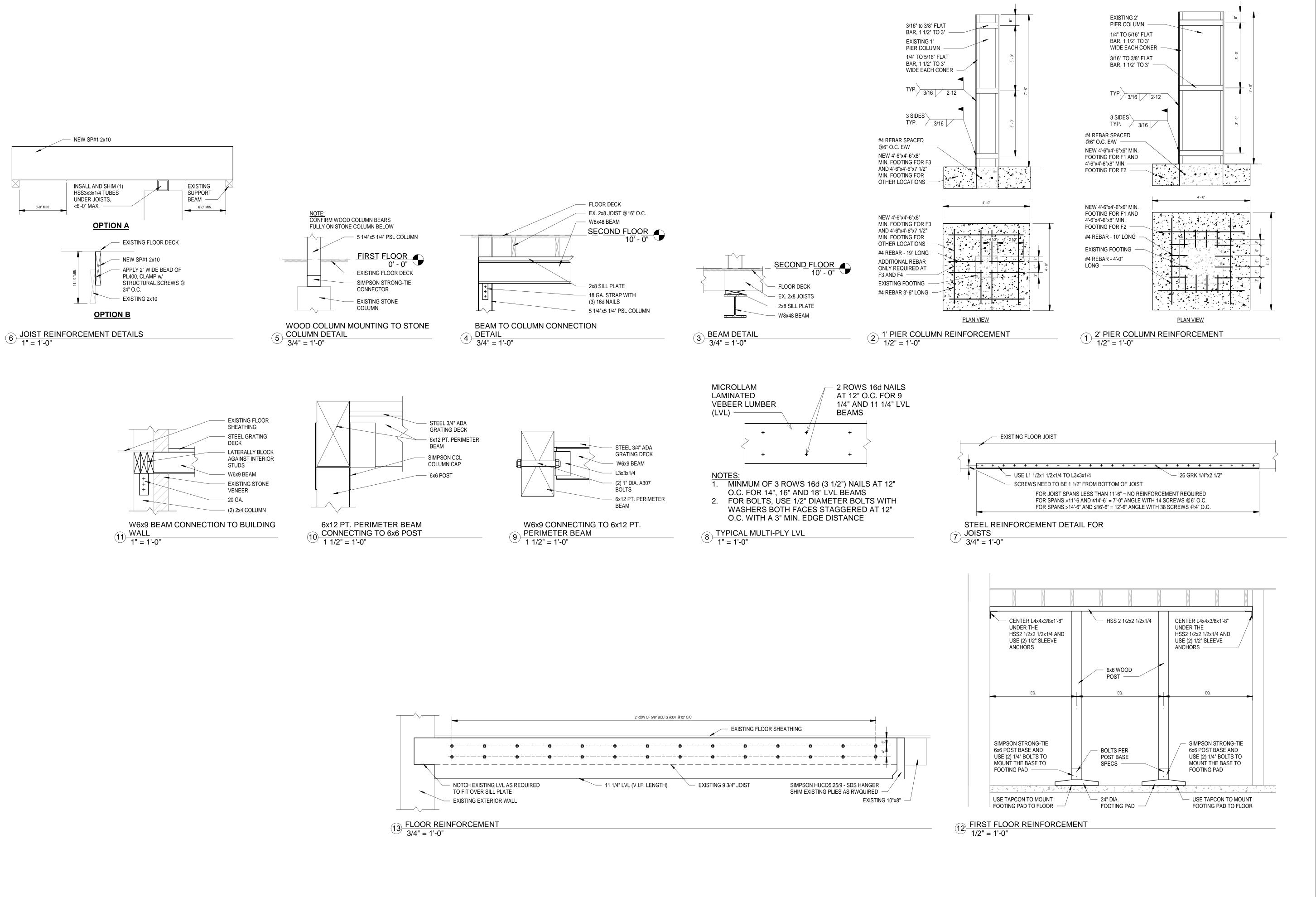
CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

STRUCTURAL FRAMING & FOUNDATION

PROJECT NUMBER:	774
DATE:	3-26-2020
DRAWN BY:	JAR
CHECKED BY:	TJS

S100

SCALE: AS NOTED





www.SurinakEngineering.com



STRUCTURAL ENGINEERING BY:
SURINAK ENGINEERING LLC
3819 N. DELAWARE ST.
INDIANAPOLIS, IN 46205
317.500.3159
WWW.SURINAKENGINEERING.COM

CLIENT:

RABBI AVI GROSSBAUM

CHABAD CENTER FOR JEWISH LIFE
BLOOMINGTON, IN

NOTES:

NO. DESCRIPTION DATE

CHABAD CENTER 703 E. 7TH ST. BLOOMINGTON, IN

STRUCTURAL SECTIONS & DETAILS

774
3-26-2020
JAR
TJS

S200

SCALE: AS NOTED



10845 Olive Boulevard, Suite 260, Saint Louis, Missouri 63141 - 314.997.6111 - www.trileaf.com

March 17, 2020

City of Bloomington Housing and Neighborhood Development Attn: Mr. Conor Herterich **Program Manager Historic Preservation**

P.O. Box 100

Bloomington, Indiana 47402

Phone: 812-349-3507

Email: ellensor@bloomington.in.gov

RE: T-Mobile – Graham Plaza / Site # MW02502B – Trileaf Project #661070

205 N. College Avenue, Bloomington, IN 47404 Monroe County, Bloomington Quadrangle (USGS) Latitude: 39° 10' 4.06" N, Longitude: 86° 32' 6.58" W

Dear Mr. Herterich,

Trileaf Corporation is in the process of completing a Section 106 review at the referenced property. Our client proposed to collocate antennas at a top height of 110 feet on an existing building. Associated equipment will be located on the building rooftop. No new ground disturbance is required. The antenna will be licensed by the Federal Communications Commission (FCC).

Our investigation includes determining if the site is contained in, on or within the viewshed of a building, site, district, structure or object, significant in American history, architecture, archaeology, engineering or culture, that is listed, or eligible for listing on the State or National Registers of Historic Places, or located in or on an Indian Religious Site.

Trileaf is requesting information regarding this tower's potential effect on Historic Properties. All information received will be forwarded to the State Historic Preservation Office (SHPO) as part of the Section 106 review process. Additionally, this invitation to comment is separate from any local planning/zoning process that may apply to this project.

If you wish to comment or be considered a consulting party, please respond within thirty (30) days of the date of this letter. If a response is not received within thirty (30) days, it will be assumed that you have no objections to this undertaking. A site topography map and aerial photograph are enclosed for your reference.

Please call me at (314) 997-6111 or email a.hassler@trileaf.com if you need additional information or have any questions. Thank you for your assistance in this regard.

Sincerely,

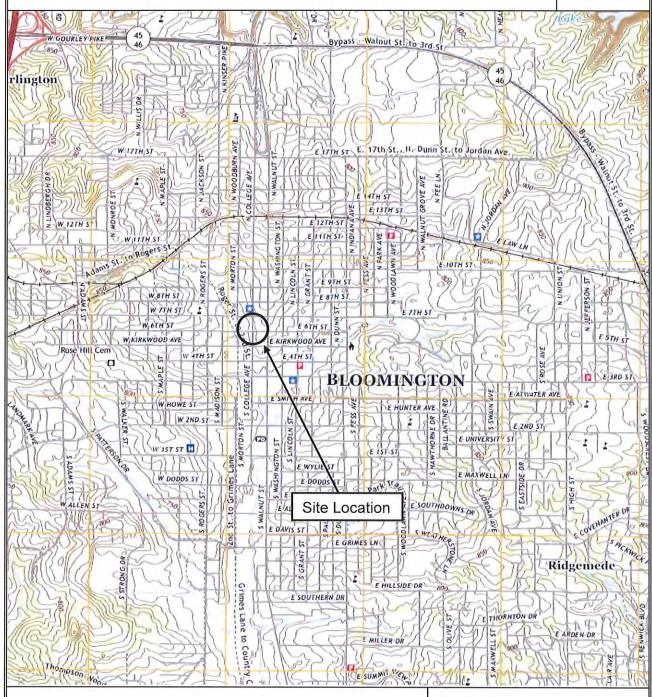
Alisia Hassler Project Scientist

Bloomington, Indiana (2019)

Contour Interval = 10 Feet Scale 1 Inch = ~2,000 Feet Latitude: 39° 10' 4.06" N Longitude: 86° 32' 6.58" W



North



Site Vicinity Map

T-Mobile – Graham Plaza 205 N. College Avenue Bloomington, IN 47404





Site Location & Surrounding Properties



Site Location

Aerial Photographs (2016)

T-Mobile – Graham Plaza 205 N. College Avenue Bloomington, IN 47404



T. Mobile

SITE NAME: 120 BROADVIEW/GRAHAM PLAZA STRUCTURE TYPE: ROOFTOP SITE NUMBER: MW02502B MARKET: INDIANAPOLIS

PROJECT: L600

T. Mobile

6215 MORENCI TRAIL INDIANAPOLIS, IN 46268 (317) 347-7071

GPD GROUP, INC.

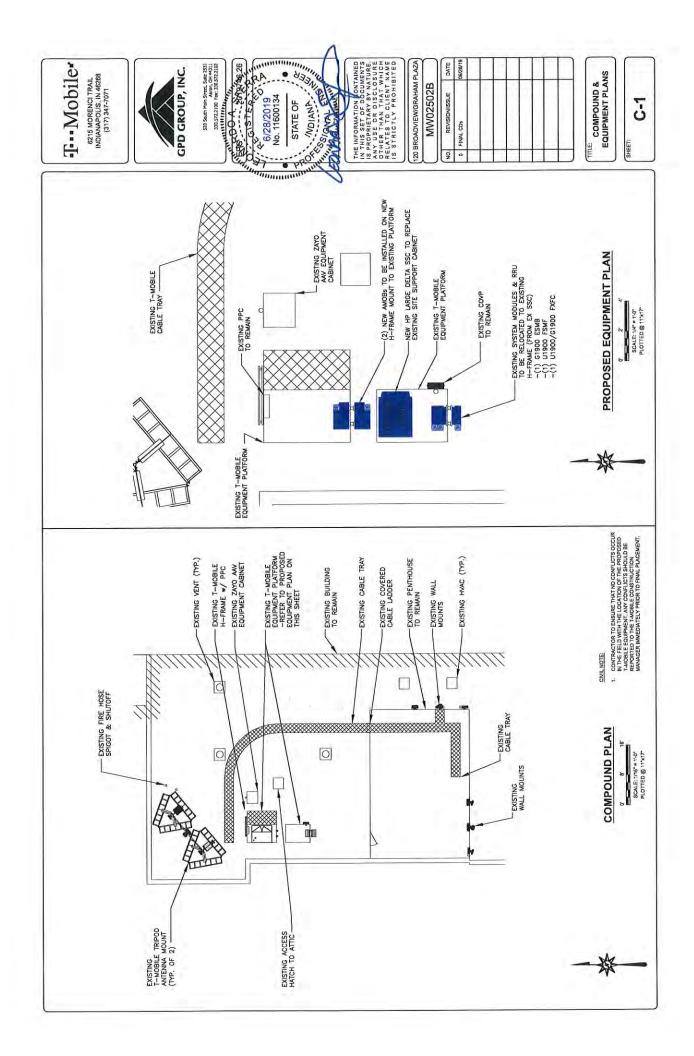
	S20 South Main Street, Suite 2531	330,572,2100 Fax: 330,572,2102	100 A C	6/28/2019 7 = 20/24/26	STATE OF	MOIANP MOIANP	CONTRACTOR SEALT	THE INFORMATION CONTAINED	IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH	RELATES TO CLIENT NAME IS STRICTLY PROHIBITED	120 BROADVIEW/GRAHAM PLAZA	MM/02502B	NAVOZOGE PORTO	NO. REVISION/ISSUE DATE	0 FINAL CDs 06/28/19											
LOCAL MAP						8.8	の 一 一 一 一 一 一 一 小 一 小 一 小 一 小 一 小 一 小 一				margar.		SHEET INDEX	TITLE PAGE	COMPOUND & EQUIPMENT PLANS	PENTHOUSE ELEVATION	ANTENNA LAYOUTS	ANTENNA MOUNTING DETAIL	RF CONFIGURATION	EQUIPMENT SPECS	ELECTRICAL PLAN & DETAILS	DC POWER DETAILS	GROUNDING DETAILS	GENERAL NOTES	GENERAL NOTES	GENERAL NOTES
		- N. J.							いと見		300	The I will a		M	2	C-2	C-2A	3	RF-1	RF-2	F	E-2	E3	N-1	N-2	N-3
VICINITY MAP	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・						い、これには、これには、これには、これには、これには、これには、これには、これには					は可止という。 自己自己的 一次では、「) 一直は、「	APPROVALS			T-MOBILE REPRESENTATIVE		-WOBILE RY ENGINEERING		SITE OWNER:		SITE ACQUISITION MANAGER:		CONSTRUCTION MANAGER:		
SCOPE OF WORK	THE WIRELESS COMMUNICATIONS FACILITY IS NOT INTENDED FOR HUMAN OCCUPANCY.	THIS FACILITY DOES NOT REQUIRE POTABLE WATER AND WILL NOT PRODUCE ANY SEWAGE.	THE SCOPE OF WORK CONSISTS OF MODIFYING THE EXISTING WIRELESS INSTALLATION:	REMOVALO FOR ANTENNAS ENTENAS LEGEL) REMOVALO FO I DESTINAS VESTERA MODLE (EGLIPHENT LEVEL) REMOVALO FO I DESTINAS VESTERA MODLE (EGLIPHENT LEVEL) INSTALLATION OF IO INVENTATIONAS ANTENAS CALLEDES INSTALLATION OF IO INVENTATIONAS ANTENAS LEVEL NETALLATION OF (2) INVENTATIONAS ANTENAS LEVEL NETALLATION OF (3) INVENTATIONAS ANTENAS LEVEL NETALLATION OF (3) INVENTATIONAS ANTENAS LEVEL NETALLATION OF (3) INVENTATIONAS ANTENAS LEVEL NETALLATIONAS ANTENAS ANT	OB CHASSISS ON NEW HFRAME WOUNT (EQUIPMENT LEVEL) RGE DELTA SSC (EQUIPMENT LEVEL)		APPLICABLE CODES	ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE ACCEPTED EDITION OF THE FOLLOWING:	02) OR LATEST EDITION PA 70) OR LATEST EDITION	-ANY OTHER NATIONAL OR LOCAL APPLICABLE CODES, MOST RECENT EDITIONS	SITE INFORMATION	120 BROADVIEWIGRAHAM PLAZA	MW02502B	205 N. COLLEGE AVENUE	BLOOMINGTON, IN 47404	MONROE COUNTY		N/A	NA		MONROECOUNTY	52-05-23-310-236 000-005	000-000-00-00-00-00	2004724 00/ 18 400 50 10 400	53 10 04:00 N (53:167/35)	66 32 00.36 W (-86.333162')
SCC	1. THE WIRELESS COMMUNICATION	2. THIS FACILITY DOES NOT REQUIR	3. THE SCOPE OF WORK CONSISTS	A. REMOVAL OF (9) ANTENNAS (4) B. REMOVAL OF (9) NOKIN RRUS C. REMOVAL OF (1) EXSTING SYD. E. REMOVAL OF EXISTING MEDII E. INSTALLATION OF (6) NEW AN F. INSTALLATION OF (6) NEW AN F. INSTALLATION OF (6) NEW AN F.			APP	ALL CONSTRUCTION SHALL COMPLY V FOLLOWING:	- 2014 INDIANA BUILDING CODE (IBC 2012) OR LATEST EDITION - 2008 NATIONAL ELECTRIC CODE (INFPA 70) OR LATEST EDITION - TAMERA-222-REVISION G	- ANY OTHER NATIONAL OR LOCAL AP	SIT	SITE NAME:	SITE NUMBER:	SITE ADDRESS:		COUNTY:		OWNER SITE NAME:	OWNER SITE NUMBER:		JURISDICTION:	PARCEL ID:		1 ATTITIOE	CANOTION	LONGII ODE:

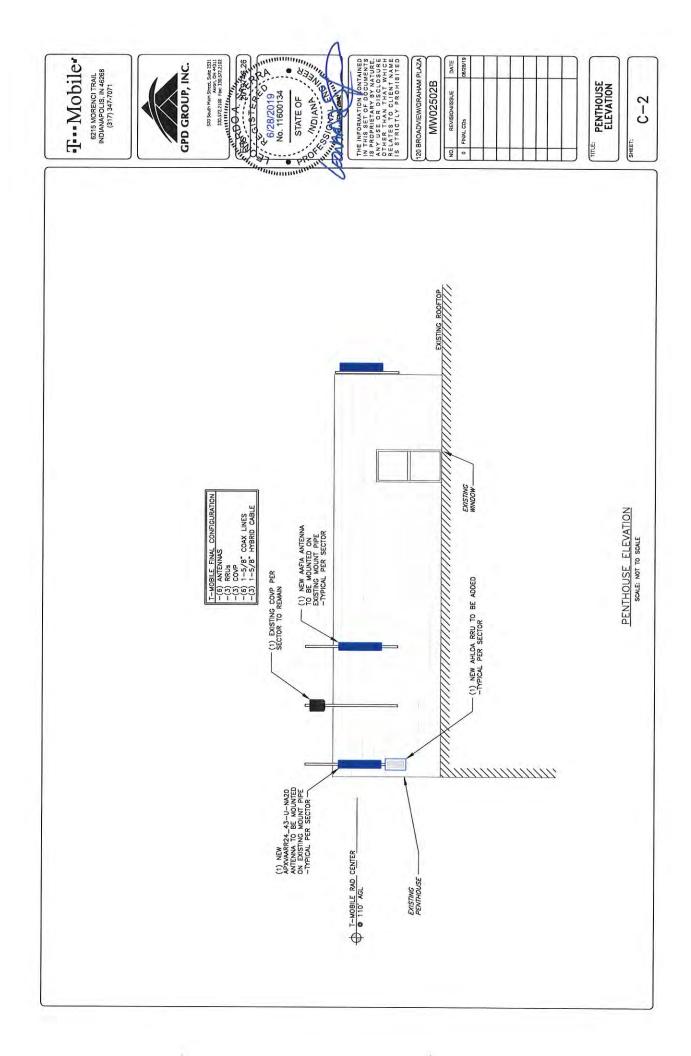
TITLE PAGE

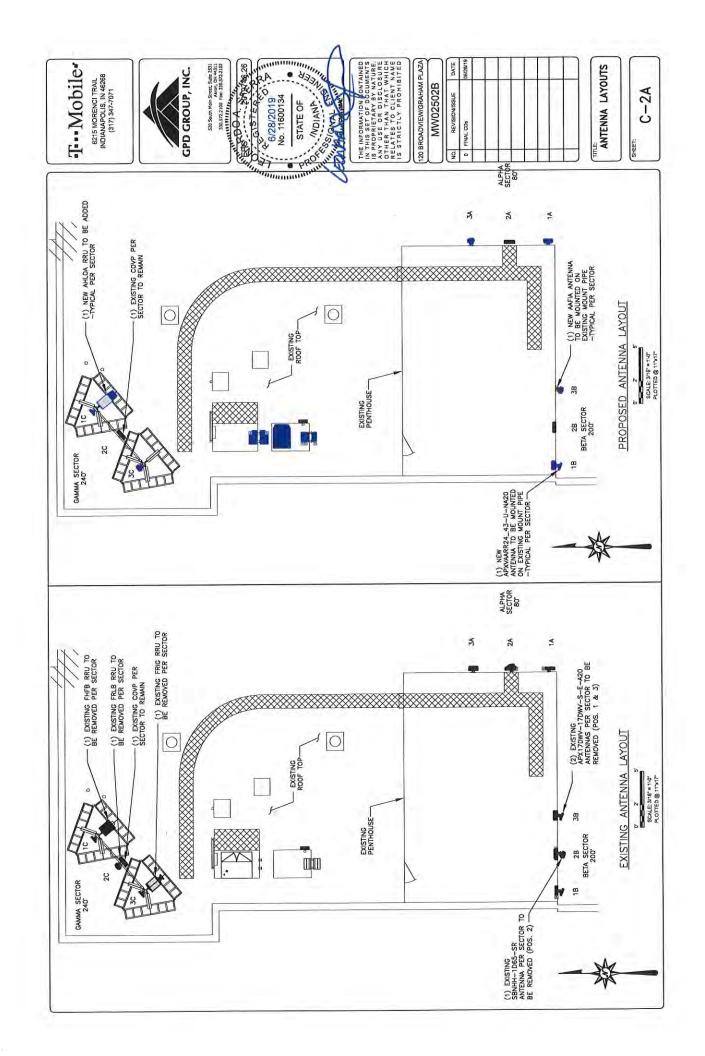
SITE ADDRESS
205 N. COLLEGE AVENUE
BLOOMINGTON, IN 47404
MONROE COUNTY

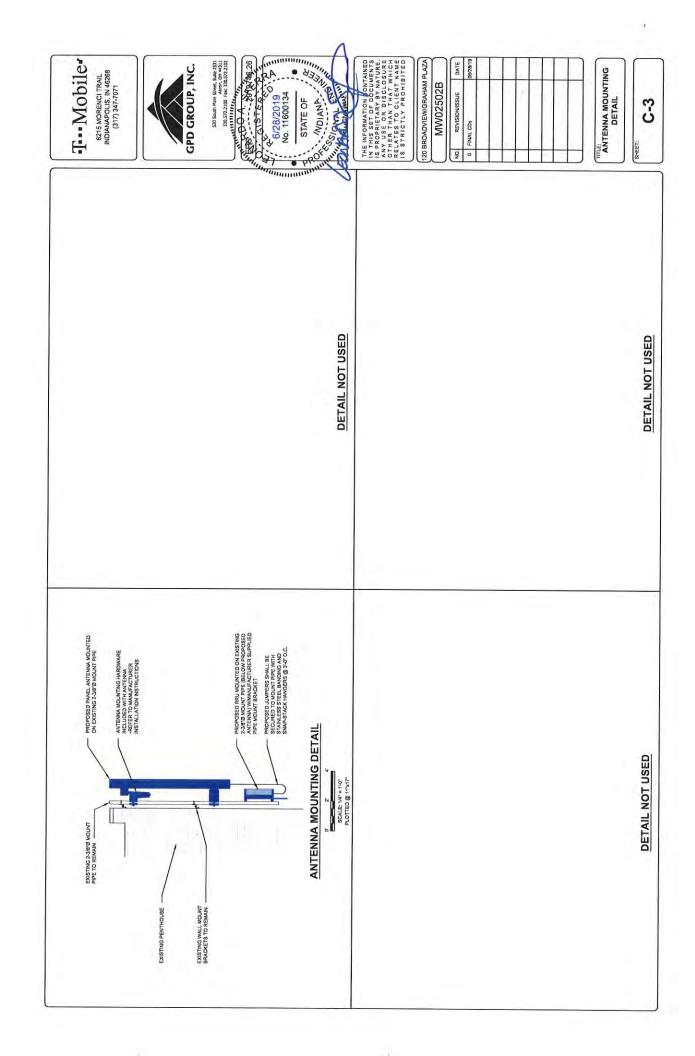
ARCHITECT/ENGINEER
GPD GROUP, INC.
SLOT SUTH MAN STREET
SLOTE 2231
AGRON, OH 44311
(330) 572-2100

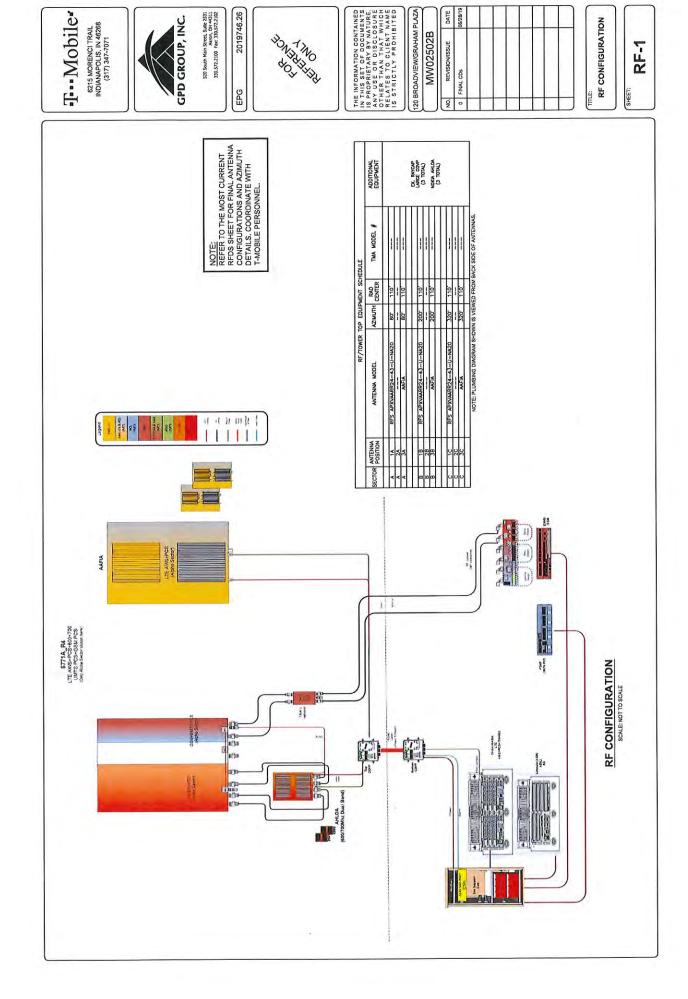
I

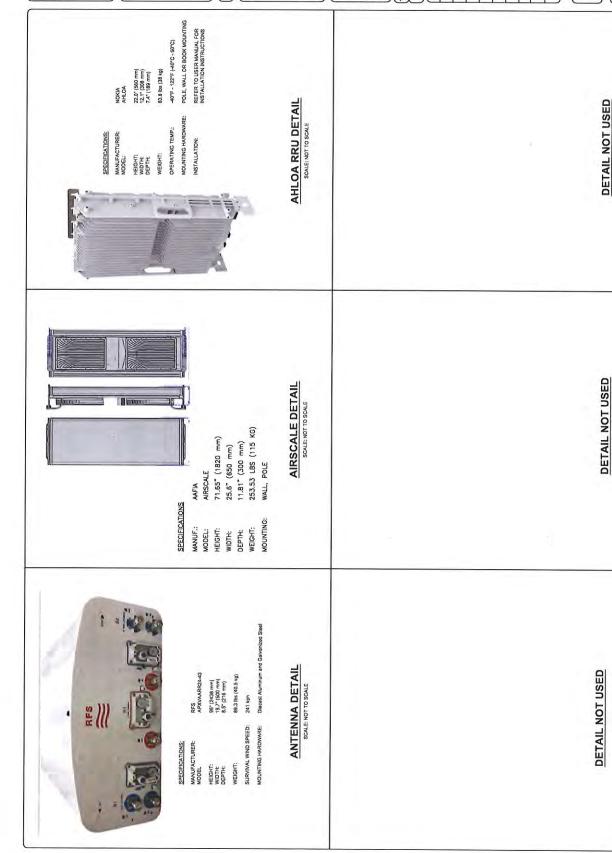
















520 South Main Street, Suite 2531 Akron, OH 44311 330,572,2100 Fae: 330,572,2102

2019746.26

EPG



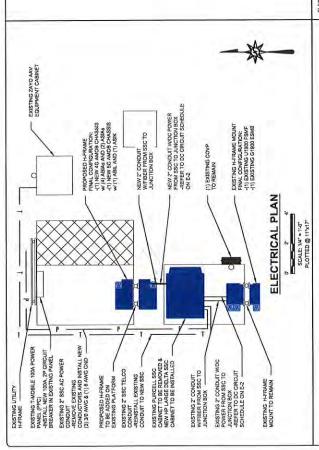
120 BROADVIEW/GRAHAM PLAZA

MW02502B

DATE REVISION/ISSUE FINAL CDs

EQUIPMENT SPECS

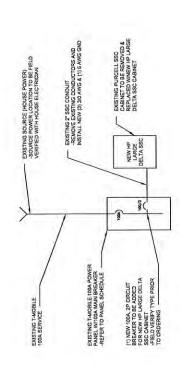
RF-2



AC PANEL SCHEDULE

SCALE: NOT TO SCALE

SPECIAL NOTE: CONTRACTOR MAY NOT INSTALL MORE THAN (5) RECTIFIERS IN THIS POWER PLANT. CONTRACTOR SHALL LABEL POWER PLANT WITH A NOTE ON THE FRONT DOOR OF CABINET AS SUCH FOR FUTURE TECH WORK.



T. Mobile

6215 MORENCI TRAIL INDIANAPOLIS, IN 46268 (317) 347-7071

AC ONE LINE DIAGRAM

SCALE: NOT TO SCALE

THESE ELECTRICAL DRAWINGS ARE DAGRAMMATICAL ONLY AND SHOW THE
BEHERAL INTEXT OF THE FINAL ARRANGEMENT OF ELECTRICAL SYSTEMS,
GOURMANS TO FOR THE NATURA RANGEMENT OF ELECTRICAL
GOURMANS TO FOUR ELECTRICAL WORS TO COMPLETED.
7.
AGILLATE THE ELECTRICAL, RECURRANGE ELECTRICAL WORS TO COMPLETED.
7.
AGILLATE THE ELECTRICAL, RECURRANGEMENTS FOR THE TRANST THANGEMEN.
7.
RECURRANGE TO CONTRACTOR SHOW THE TOWN THANGEMENT OF THE TOWN THE TOWN THANGEMENT OF THE TOWN THE TOWN THANGEMENT OF THE TOWN THE TOWN THANGEMENT OF THE TOWN THANG

ERAL NOTES:

- PRIOR TO INSTALLING ANY ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY EXISTING SITE LOCATIONS AND CONDITIONS AND UTILITY SERVICE REQUIREMENTS OF THE JOB.
- HANDS WHICH, THE DRINGLOUS PER CONTROLOGY, APPEAR TO BE DEFICIENCIES, ON USEDIOS CONTROLOGY AND AMBIGUITES, IN THE FLAKES MAD SECTIONAL SHALL BE ROADENT TO THE ATTENTION OF THE BROADENT AND SECTION SHALL BE CONTROLOGY. AND SHOOK SECTIONS WILL BE CONTROLOGY AND AMBIGUITED TO THE ATTENTION OF THE ALLEGED DEFICIENCY. AND SHOOK SHOO
- ELECTRICAL WORK SMALL INCLIDE, BUT NOT BE LIMITED TO, ALL LABOR MATERIALS AND ELOUPWENT RECIDED TO COMPLETE FORTEN AND LIGHTING SYSTEMS, TREIP FORTEN AND COMMUNICATION SYSTEMS, FINE LIGHT SYSTEMS, TREIP FORTEN AND COMMUNICATION SYSTEMS, PAREL BRANCH SCHOLLING TO, STORICAL TECHNICAL SHAWINGS OR AS REQUIRED BY CODE.
- HOROS SALL BE ELECTER IN WOOSKAMILE ANANIER AND SHALL PRESENT A NET MECHANICAL PPER PANGE WHICH COUNTED. THE CONTRICTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING LINGUISE ALL CUTTING AND PATCHING LINGUISE AND SHALL SPECIAL LESS THAT DISELECTED AND SHALL RESPONSIBLE FOR ALL CUTTING AND PATCHING LINGUISE AND SHALL SPECIAL SHOWLER PATCHING CONDUITS, WINDIG PIPER ELECTRICAL WORK TO CHIGHAL OR BETTER CONDUITOR.

CONDUCTORS SHALL BE INSTALLED IN GALVANIZED RIGID STEEL CONDUIT, SCHEDLLE 49 PVC, OR FLEXIBLE LIQUIDTICHT CONDUIT AS INDICATED.

SIN SUNTERS

EPO EN P SOTTONES 26

6/28/2019

No. 11200553

STATE OF

520 South Main Street, Sulte 2531 Akron, OH 44311 330.572.2100 Fax: 330.572.2102

GPD GROUP, INC.

6. OBTAIN ALL PERMITS, PAY PERMIT FEES, AND SCHEDULE INSPECTIONS.

THE INFORMATION CONTAINED
IN THIS SET OF DOCUMENTS
IS REOPRIETARY BY NATURE.
ANY USE OR DISCUSURE
OTHER THAN THAT WHICH
RELATES TO CLIENT NAME
IS STRICTLY PROHIBITED

- 7. ALL ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO WITHSTAND 80 M.P.H. WIND SPEED, EXPOSURE C.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT UV STABLE, WEATHER PROOF, ENGRAVED PLASTIC LABELS. REPAIR ANY EDUIPMENT PAINT SURFACE THAT HAS BEEN DAMAGED IN THE COURSE OF INSTALLATION.

120 BROADVIEW/GRAHAM PLAZA

MW02502B REVISION/ISSUE

DATE

FINAL CDS NO

10. CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING AND NEW LOADS ON ALL PAWARES, GIRCUITS AND FEEDERS, AND PROVIDE ENGINEER AND MISPECTORS WITH PROOF THAT ALL LOADS COMPLY WITH THE NEC.

ELECTRICAL NOTES:

- ALL WIRES SHALL BE STRANDED COPPER WITH THHMTHWM AND 600 VOLTS INSULATION. ALL GROUNDING CONDUCTOR TO BE PROPERLY SIZED COPPER (STRANDED OR SOLID).
- 2. IN THE EVENT OF ANY CONFLICT OR INCONSISTENCY BETWEEN ITEMS SHOWN ON THE PLANS ANDIONS RESCIPICIATIONS. THE NOTE, SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE HIGHEST STANDARD OF PERFORMANCE SHALL PREVAIL.
 - CONDUITS SHALL HAVE NO MORE THAN (4) 90° BENDS IN ANY SINGLE RUN, THE CONTRACTOR SHALL PROVIDE PULL BROSE SA NEIGED WHERE CONDUIT REQUIREMENTS EXCEED THESE CONDUITONS, PULL WHES AND CAPS SHALL BE PROVIDED AT ALL SPARE CONDUITS.
- ALL CONDUIT AND MIPPLE ENTRIES INTO CABINET AND METER BOXES SYMLE BE MADE WITH WEATHERPROOF HUBS, CONNECTOR, OR LOCKNUTS LISTED FOR THE APPLICATIONS WITH NON-METALLIC BUSHINGS. ú
- ONLY ONE SERVICE ALLOWED PER LUG, ALL GROUNDING AND BONDING MUST COMPLY WITH NEC 250 REQUIREMENTS.
 - UPON COMPLETION OF THE JOB, THE CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE DWINER.

ELECTRICAL NOTES

SCALE: NOT TO SCALE

ELECTRICAL PLAN & DETAILS

E

				Rectifier Output Configured Capacity	2400				Rectifier Output Configured Capacity	(w)	
		U		Rectifier Ou					Rectifier Ou	(W)	
DC Power Plant Configuration	SMS INC	Existing Model: PURCELL_2000002500_MED SS 10RU DAC-TEC 48V (4) 40A 2KW REC	Existing Configuration	Rectifier Model	1 Alpha_0100003 001_Cordex HP 2.4Kw Rectifier for	Proposed Manufacturer: DELTA GREENTECH CORPORATION	Proposed Model: DELTA_ESOA400-CCU01_HP Large SSC Cabinet 400Amp	Proposed Configuration		. Rectifier Model	
	Existing Manufacturer: PURCELL SYSTEMS INC	PURCELL_20000		Rectifier Rectifiers Available Slots Total Installed Rectifier Slots	9	DELTA GREENT	DELTA_ESOA40		Available	Slots Total Installed Rectifier Slots	
	ufacturer:	ing Model:		Rectifiers	4	ufacturer:	ed Model:		Rectifiers	Installed	
	Existing Mar	Existi		Rectifier Slots Total	5	oposed Mar	Propos		Rectifier	Slots Total	•

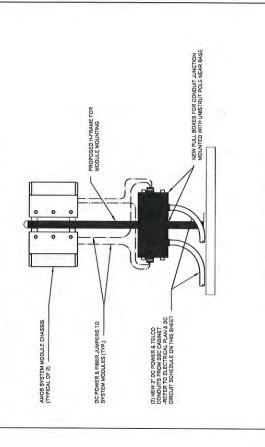
-Contractor shall remove existing SSC cabinet and install new Delta HP Large SSC cabinet

-Contractor shall field verify existing condition and report any discrepancies to T-Mobile Construction Manager prior to proceed in -Existing Power Plant Configuration based on Power Survey Information provided by T-Mobile.

SPECIAL NOTE: CONTRACTOR MORE THAN (5) RECTIFIERS IN THIS POWER PLANT. CONTRACTOR SHALL LABEL POWER PLANT WITH A NOTE ON THE FRONT DOOR OF CABINET AS SUCH FOR FUTURE TECH WORK.

DC POWER PLANT CONFIGURATION

SCALE: NOT TO SCALE



6215 MORENCI TRAIL	Mer INDIANAPOLIS, IN 46268 prion (317) 347-7071	632	212	450	258	180	ONI GLICAD CAD	7200	2700	1040 S20 South Main Street, Suite 2531	500 330.572.2100 Fax: 330.572.2102	150	E3	180 Erg RN P. 90 190 20	13665 C C STEC OF	6/28/2019 0/28/2019 No. 11200553 STATE OF	W. No. I John
ŀ	Total Power Consumption	158	212	222	173	180	0	R	006	9	900	150	83	180	ea.	ntion EST RFDS ATELY TO CH	
	Max Power Con.	11	23	77	77	18		2400	36	1040	39	15	9	18	Grand Total	e power consump samule insure LATI TO T-MOBILE IMMEDI	
alculation		ired	Factory Wired	6 AWG (41 STD) RHH	Factory Wired	Factory Wired	2 AWG (41 STD) RHH	6 AWG (41 STD) RHH	6 AWG (41 STD) RHH	6 AWG (41 STD) RHH	Factory Wired	12 AWG (41 STD) RHH	6 AWG (41 STD) RHH	6 AWG (41 STD) RHH		use RRU's to determin T-MOBILE. CONTRACTOR IT SHALL BE REPORTED	YOUNGE LOOP SHAME
nption C	Vire 0 -	1	1	m	1	1	m	m	ю	3		3	3	3		RRUS, SO	9 0 0
DC Power Consumption Calculation	Module Quanti st Wire 0 - Wire Size	4	н	2	2	-	4	8	8	F	1	1	1	1		DOWER TO THE	VED 1
DCPor	Description		Card	Outdoor Modular Frame	4G Common	5G Common	COVP	RRU	RRU	RRU	Cabinet (Macro)	Router	System Module	System Module		Note: COVP doesn't draw power. COVP just distributes power to the RRUs, so use RRU's to determine power consumption NOTE. DEFOWER COAD SUMMARY IS BASED ON EQUIPMENT OUTLINED IN REDS PROVIDED BY TAMOBLE. CONTRACTOR SWALL ENSURE LATEST REDS MATCHES EQUIPMENT SUMMARY SABOVE. ANY DISCREPANCIES IN PROPOSED EQUIPMENT SHALL BE REPORTED TO TAMOBLE IMMEDIATELY TO CHECK POWER PLANT SHEFICIESCY.	2000
	Module	ABIA	ABIC	AMOB	ASIA	ASIK	COVP	AAFIA	AHLOA	FXFC	Cabinet	SAS	ESMB	FSMF		te: COVP doesn't draw por <u>NOTE:</u> ATCHES EQUIPMENT SUMMARY IS: ATCHES EQUIPMENT SUMMARY SONWER PLANT SUFFICIENCY.	
	Type .! Module	Airscale	Airscale	Airscale AMOB	Airscale	Airscale	COVP	RRU	RRU	RRU	SSC	SSC	System	System		Note: COV NOTE: DC POWE MATCHES POWER P	

T. Mobile

NOTE TO FOVER LOAD SUMMARY IS BASED ON EQUIPMENT OUTLINED IN REDS PROVIDED BY T-MOBILE. CONTRACTOR SHALL ENSURE LATEST RADS MATCHES EQUIPMENT SUMMARY ABOVE, ANY DISCREPANCIES IN PROPOSED EQUIPMENT SHALL BE REPORTED TO T-MOBILE IMMEDIATELY TO CHECK POWER PLANT SUFFICIENCY. DC POWER LOAD SUMMARY

THE INFORMATION CONTAINED
IN THIS SET OF COCUMENTS
IS PROPRETARY BY VAILORE,
ANY USE ON DISCLOSURE
OTHER THAN THAN THIS WHICH
IS STRUCTURY NAME
IN THE STRUCTURY NAM

120 BROADVIEW/GRAHAM PLAZA

MW02502B REVISION/ISSUE

DATE

FINAL CDs

	LABEL	4G AMOB	SO AMOB
	.OR	GREEN	OREEN
	CONDUCTOR COLOR	BLACK	BLACK
ULE	CON	BLUE	BLUE
חשורים ווח	WIREOTY	n	2
PROPOSED DC CIRCUIT SCHEDULE	WIRE TYPE	B AWG (41 STD) RHH	6 AWG (41 STD) RHH
	SIZE	yor	304
	POLE	¥	+
	TECHNOLOGY POLE SIZE	97	8
	TAG	P.:	5,4
	MODULE TAG	AMOB	AMOB

MOTE: CIRCUITS IN SCHEDULE ABOVE ARE NEW CIRCUITS REQUIRED FOR PROPOSED CONFIGURATION. CONTRACTOR SHALL FIELD VERIPY ALL EXISTING DO BREAKERS.

DC CIRCUIT SCHEDULE

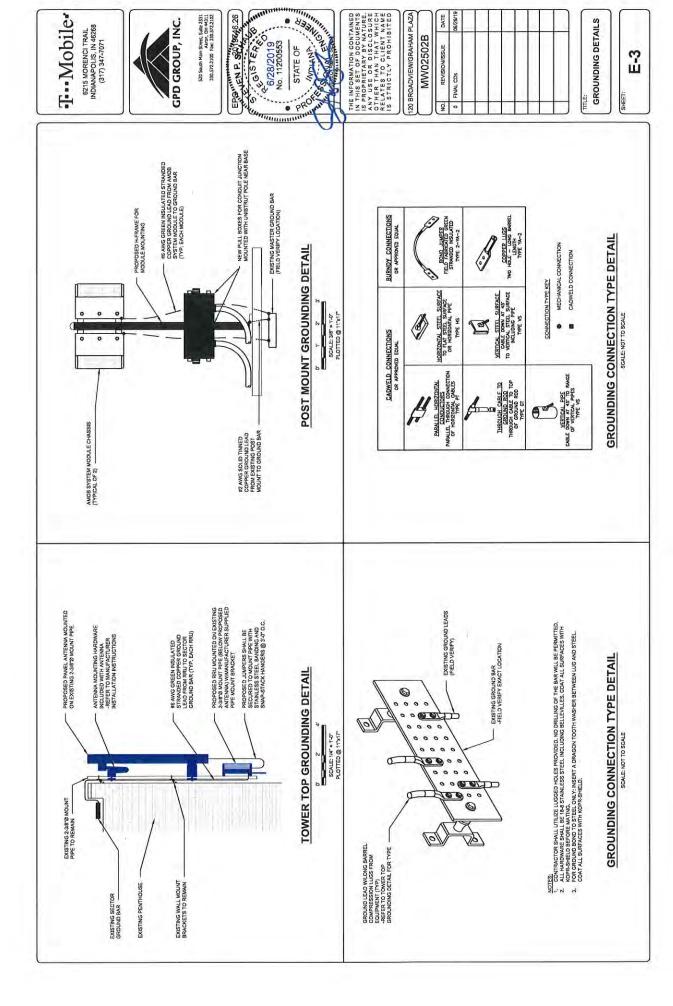
AMOB MOUNT DETAIL

SCALE: NOT TO SCALE

SCALE: NOT TO SCALE

DC POWER DETAILS

E-2



DATE

E CONTRACT DOCUMENTS INCLUDE, BUT ARR NOT LIMITED TO, THE FOLLOWING CHICARTONS AND CONSTRUCTION DRAWINGS.
SUPPLIED BY THE OWNER SHALL BE PICKED UP BY THE CONTRACTOR AT THE

BARTH PRODUCTS.

21. SUTHER SACK RILL: EXCANATED INDRGANIC MATERIAL COHESVE AND MONCOHESINE MATERIALS.

21. SUTHER SECKE RILL: EXCANATED INDRGANIC LEAN LOTS OF REAL TO FAVE CLAY. SAND DLAY SAND SLT
OF MIXTURING ROADS SACK SACK SACK SACK SACK SAND SLT
OF MATERIAL PREET FROM INDRGANIC LEAN LIAN SECKES STONES OF ROCKSL MAGENTA.

3-NOHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE MOSECANIC MATERIAL
SUPERVISOR AND GEOTECHNICAL BYGINEER.

2.4 GRANILAR BEDDING AND TRENCH BACK FILL: WELL-GRADED SAND ISW OR SWAN, AND THE FOLLOWING:
A. OHIG: PER OND TIER MAY
B. PRINSYLVANUE PER ASSITTO AST
C. WEST VIRGINIA: PER ASSITTO AS

Fee contractions and an article of the contraction of the contraction

MARTI GENERAL 11. SCOECE, GENANG, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUB GRADE TREPARATION THE READING AND SECURITY FENCE, AS REQUIRED BY CONSTRUCTION DRAWINGS AND DETAIL DRAWINGS.

EPRATURING FTRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR THE STATE INWIGHT HE PROJECT IS LOCATED.

STATE INWIGHT HE PROJECT IS LOCATED.

ASTIM MARIEDIAN SOCIETY FOR TESTING AND MATERIAL SPECIFICATION.

ASTIM MARIEDIAN SOCIETY FOR TESTING AND MATERIAL SPECIFICATION.

OSSIN COCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION.

AASHTO (AMERICAN ASSOCIATION OF STATE AND HIGHWAY TRANSPORTATION OFFICIALS).

DIESTING OF EATHWORK, AGGEGENTE, EASE COURSE, COMPACTION, AND CONCRETE WORKS WALL BE PREFORMED BY THE CONTRACTOR'S NUCEPHOENT TESTING LAB. WORKS WALL BE REPROFICED AND RELEASED BY THE "LANGILE CONSTRUCTION SUPERVISOR ALCARNO TOTH FE GENERAL WIRESTION OF THE WORK WITH RESPECT CONSERVED TO PER PREFORMACE OF THE WORK, AND SEPECTABLE NADOR CALLED FOR ON THE DEWNINGS. THE CONTRACTOR'S SEPECTABLE NA INSECTION OF THE WORK MACE SENDE TO CEDIMIC WITH A LIGHTER WORK THAT WOULD NAME PARTS OF THE WORK NAMESSEBLE ON CEDIMIC WAS INDUCED. I INSPECTION AND TESTING A. FIELD TESTING OF EA TESTING SHALL BE P ALL WORK SHALL BE

HWITA KITAND GOALOSE CALVANIZED STEEL WIPE NO LESS THAN 9 GAUGE.
HWITASTIN THE SHALL BE DRESSED STEEL OR MALEABLE IRON AND SHALL BE GALVANIZED PER ASTM.
HTS...

ம் ப

The STITE MAINTENANCE AND PROTECTION

COMPETED STATE WANTENANCE AND PROTECTION

COMPETED STATE WAS STATEMENT OF THE WORK UNTIL.

COMPETED STATEMENT OF THE CONTROL CALTON SERVICE PRIOR TO ANY EXCANTING ACTIVITIES TO COMPETED STATEMENT AND STATEMENT OF THE STATEMENT OF THE STATEMENT OF THE WORK.

AND DAVIDED STATEMENT OF REMOVAL, RIVER BEING DAWNED STATEMENT OF THE WORK.

ARE NOT DESIGNATED FOR REMOVAL, RIVER BEING DAWNED STATEMENT OF THE WORK.

THE PROPER EXCESSION CONTROL WESLIFES IN ACCORDANCE FOR THE STATE IN WHICH THE PERMATRIANCY FOR THE PROPER PROSECULATION AND MATERIAL SPECIFICATIONS FOR THE STATE IN WHICH THE PROPER RESESSION CONTROL WESLIFES UPON CONFIDENCE TO CONSTRUCTION THE WORK TO CONSTRUCTION THE WORK TO CONSTRUCTION THE WORK TO CONSTRUCTION OF THE WORK.

13. GENERAL STRETHING GENERAL SITE PREPARATION ACTIVITIES. INSTALL EROSION AND SEDIMENT
A. BEFORE ALL STREET HE ROSION STREAM SHEEL BERGARENINGTION AND MANITORIAN STORM
CONTINUES, THE REPORT AND SHEEL SHE

O. REMOVE THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM THE AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM THE AUTHORIZED CANDER AND ACCEPTANT OF AUTHORIZED CANDER AND ACCEPTANT OF AUTHORIZED CANDER AND ACCEPTANT OF THE AUTHORIZED CANDER AUTHORIZED CANDER AUTHORIZED CANDER AUTHORIZED CANDER AND AUTHORIZED CANDER AUTHORIZED CANDER AUTHORIZED CANDER AUTHORIZED AUTHORIZED AUTHORIZED CANDER AUTHORIZED CANDER AUTHORIZED AUTH

2.2 STRUCTURAL ECANATORS SHALL BE CUTTO FIBM MATERIAL HAWING A SAFE BEARBING VALUE OF COUNSETTING SEAVING SHALL BE FREED OF LALL COSES AND WHEN MATERIALS IN THE BEARD OF THE ADDITIONAL 2 INCHES, COPALIT EXCLAVITOR IN THE PROSED SOILS SHALL BE INSPECTED AND INSPECTED AND EXCLAVITOR IN THE PROSED SOILS SHALL BE INSPECTED AND INSPECTED AND EXCLAVITOR IN THE PROSED SOILS SHALL BE INSPECTED AND FROM THE PROPERTY BY COMPARIZE BUT TO EXCLAVE THE MATERIAL SHALL BE INSPECTED AND FROM THE EXCLAVITOR IN THE BASE MATERIAL SHALL BE INSPECTED BY THE WOODING DOWNSTRATED DO A MINIMUM OF 9% OF THE MODIFIED PROCITOR DELIST AND HE WAVE BEBRING SHALL BE INSPECTED BY THE WOODING DOWNSTRATED B

3.3 STRUCTURAL FILE.
ALL COMPACTED FILE SHALL BE PLACED IN LAYERS NOT EXCEEDING A LODGE B' THEOMESS AND
COMPACTED TO TA MINIMUM BEISITY OF 5%, OF THE WODIFED PROCTICE OB-NISTY GRANDE WITH ASTIM D-155.

2.19 PLSTIC MARKING THE SERVILLE READ AND ALKLING HESSERVIAT POSTER THE RESERVICAL WAS REPORTED.

MANUFACTURED FOR MARKING AND LOCATION UNITER SHAPES SHAPE SWIDE WITHIN A MANUFACTURED FOR MARKING AND LOCATION UNITER SHAPES SHAPE SWIDE WITH PRESENCE FOR EMPORATE OF IDEACH AND ANAITY CONTROL THE SHAPE SHAPE

A SACON AS SONA AS SACONAL AS A SECTIONAL THE CANDET TH

2.11 SECURITY FENCE
THE GALVANICED FENCE WITH ASSOCIATED POSTS RALE, BRACES, FARBIC,
TERMINAL POST, CATTES, DROP EAR AND BARBED WIRE, USE APPLICABLE PROVISIONS OF ASTIM FOR
MATERIALS, SOST, CATTES, DROP EAR AND BARBED WIRE, USE APPLICABLE PROVISIONS OF ASTIM FOR
MATERIAL BE HEAVY CALVANIZED CHAIN LINK FENCE, CONFORMING TO ASTIM ASSEZ, HACH
KESH GALUCE WIRE (0.148 INCHES IN DAMETER) WITH THE TOP AND BOTTOM SELVAGES TWISTED
C, POSTS.

A CAN THE TRY REPORTS SHALL BE EXCLANATED TO THE LINES AND GRODES SHOWN OF THE DAMPHORY OF THE TRY AND BE CANNED TO RE-LINE (AVAIDED SHOW OF THE TRY AND BE CANNED THE TRY AND BE CANNED TO RE-LINE (AVAIDED SHOW OF THE TRY AND T TOP RELICUORDE AND THE INCH (1889' O.D.), SCHEDULE NO SOLICIONE SHALL CONTORNES SHALL CONTORNES THE AND THE SHALL CONTORNES THE SHALL EN FOLICIONE ON THE SHALL LIME POST FOR FABRIC UP TO 8 FEET HIGH SHALL BE 238 NICH OLD.

TO DORNER, PULL POST AND GATE FOST SHALL BE 27 RINGHOLD GATE
SCHEDULE ALD GALVANIZED STEEL PIPE IN ACCORDINACE WITH ASTIN ASTO, ASTO, NAD. ASSO.

RECOMMENDED OF REET HIGH, SIZE POST ACCORDING TO MANUFACTURERS
RECOMMENDATIONS.

T. Mobile

HARBED WITE SHALL CONSISTS OF DOLIAGE STRAMED 12 TEACHGE WITE SAME ACT I CASS WITH THE TOWN BASES SPACED IS INCHES APART. THE TOP 1 FOOT OF THE FENCE SHALL CONSIST OF 3 WITH STANDS OF RABED WITH STATCHED TO 4 SECEES AND LET HAV PRESENTED ANSA CAMABLE OF WITH STANDING WITHOUT FAILURE 250 POLIAGS DOWNWARD PLLL AT THE OUTERWOST INCOME.

STRANDS OF BARBED WIRE ATTACHED TO 45 DEGREER MALE. HEAVY-PRESSED ARMS CAPABLE. WITHSTANDING WITHOUT FAILURE ZSP POUNDS DOWNWARD PULL AT THE OUTERMOST END OF 1 ARM FRANDING WITHOUT SPRINGS DOUTS, NUTS, TENSION BARS AND BARBED WIRE SHALL BE CONSISTENT WITH FRICE MATERIALS.

6215 MORENCI TRAIL INDIANAPOLIS, IN 46268 (317) 347-7071



520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax: 330.572.2102



THE INFORMATION CONTAINED IN THIS SET OF COLCUMENTS IS PROPERTARY BY VALUE OF THE OFFICE OF THE OFFICE OFFI

120 BROADVIEW/GRAHAM PLAZA MW02502B

DATE	06/28/19					
REVISION/ISSUE	FINAL CDs					
ò	0	_ (F		1

GENERAL NOTES

Z

T. Mobile

6215 MORENCI TRAIL INDIANAPOLIS, IN 46268 (317) 347-7071

AD THE FULLY RECONALLY RECODING MATERAL IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS AND THE FULLY REQUIREMENT.

AND THE FULLY REQUIREMENT.

B. AND THE FULLY RECOLDERANTS.

C. CONDUCT UTILITY OF CHEY TESTS HE SPECIFICATION SUPERVISORS A HOUSE IN ADVANCE OF BACK FILLING CONDUCT UTILITY OF CHEY TESTS HE SPECIFIED AND CHEY THE WAS ACCEPTANCE. TESTING.

D. PLACE GRAVILLY REMEDIA DACKELL LUNGFORMY, ON BUTS HE SEC. OF THE CONDUIRS IN SCHOLL INDOMANCE TEST HE CONDUIR SOLUTION TO THE CONDUIR. SOLUTOR THE CONDUIR TROUGH THE CONDUIR TROUGH THE CONDUIR TROUGH THE WAS ADVENTED HER SOLUTION TO THE CONDUIR TO THE CONDUIR TO THE RECOLUTE ON THE REACH HER RECURRED IN SINGLE SURFACE GAODE.

C. COMPACT FIRST REACH BACKELL TO A DEBISTY EQUAL TO OR GREATER THAN TOF THE COMPACT CONSTITUTION OF SECRET THAN A MANIMUM OF SENCE THE MACHINE THAN A MANIMUM OF THE MACHINE THAN THE THE WAS AND THE MACHINE THAN THE THE CONDUIR CONSTITUTION OF SENCE THAN A MANIMUM OF SENCE THE MACHINE THAN THE THE MACHINE THAN THE WAS AND THE WAS THAN A MANIMUM OF SENCE THE MACHINE THAN THE WAS THAN A MANIMUM OF SENCE THE MACHINE THE WAS THEN THE WAS THAN A MANIMUM OF SENCE THE MACHINE THE WAS THAN A MANIMUM OF SENCE THE MACHINE THE WAS THE WAS THAN A MANIMUM OF SENCE THE MACHINE THE WAS THE WAS THAN A MANIMUM OF SENCE THE MACHINE THE WAS THAN A MANIMUM OF SENCE THE MACHINE THE WAS THAN A MANIMUM OF SENCE THE WAS THE WAS THAN A MANIMUM OF SENCE THE WAS THAN A WAS THE WAS THE WAS THE WAS THE WAS THAN A MANIMUM OF SENCE THE WAS THE WAS THAN A MANIMUM OF SENCE THE WAS THE WAS THE WAS THE WAS THAN A MANIMUM OF SENCE THE WAS THE WAS THE WAS THAN A MANIMUM OF SENCE THE WAS THE WAS THAN A WAS THE WAS THE WAS THE WAS THAN A WAS THE WAS THE WAS THAN A WAS THE WAS THAN A WAS THE WAS THE WAS THE WAS THAN A WAS THE WAS THE WAS THE WAS THAN A WAS THE WAS THAN A WAS THE WAS THE WAS THAN A WAS THE WAS THE WAS THE WAS THE WAS THE WAS THAN THE WAS THAN THE WAS T

END OF SPECIFICATION

4.1 WORK SITE SAFETY
SAFETY SO EXAMINAT CONCERN TO BOTH SITE WORKERS AND THE PUBLIC.
A. CONSTRUCTION WORK PRESENTS WINDER THREATS TO HEALTH AND SAFETY. THE
CONSTRUCTION WORK PRESENTS WINDER THREATS TO HEALTH AND SAFETY. THE
CONSTRUCTION SESSONSIBLE TO BOLLOATE THEIR WORK FORCE OF THESE BANGERS AND LIMIT
FINE REPOSANCE TO HAND SESSONSIBLE TO BOLLOATE THEIR WORK FORCE OF THESE BANGERS AND LIMIT
SAFETY SESSONSIBLE TO BOLLOATE THE SAFETY SHALL INCLIDED THE OFFICE THREATS TO THE SAFETY SHALL SAFETY SHALL SAFETY SHALL SAFETY SHALL WORK SHALL WORK SHALL CONFLOATED THE SAFETY SHALL SAFETY SHALL WORK SHALL CONFLOATED THE SAFETY SHALL SHA

GPD GROUP, INC. COSTER OF 6/28/2019 No. 11600134 MOIANA STATE OF

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS. IS PROPRIETARY BY NATURE ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CLIENT NAME IS STRICTLY PROHIBITED.

120 BROADVIEW/GRAHAM PLAZA MW02502B

The same	REVISION/ISSUE DATE	61/82/19				
		FINAL CDs				
J	8	0	3/14			

GENERAL NOTES

Z-2

TO DIRECT BEREIR DISCOUNDE TO SEAL LES TIMES TO THE SELOW GRADE. ALL'S BREED AND CANDELLES AT MANUAL BETTE TO THE SELOW GRADE. ALL'S BREED AND CANDELLES AT MANUAL BETTE TO THE SELOW GRADE. ALL'S BREED AND CANDELLES AT MANUAL BETTE TO THE SELOW GRADE. THES AND LITT GROUND FOO DONNETTIONS. WOLD, MED TRYET ET. SHALL BETTE TO THE SHALL BE THE SHALL BETTE TO THE SHALL BETTE THE SHALL B 3.2 EXMINATION. A. EXMINATE REAS AND CONDITIONS UNDER WHICH ELECTRICAL GROUNDING AND BONDING CONNECTIONS ARE TO BE MADE AND NOTEY TAKOBLE CONSTILLENTORS AND ENTEY THOSE CONDITIONS DE TRANSCENE IN WAITING OF CONDITIONS DE TRANSCENED AND ADMINISTRACTION OF WORK. DO NOT PROCEED WITH WORK UNTIL UNANTERACTION CONDITIONS HAVE B. THE CONTRACTOR SILL NOTEY THE TAMOBLE CONSTINCTION SUPERIORS AS HOURS PROOR TO TREMOLE MACH LALL WORDET THE TAMOBLE CONSTINCTION SUPERIOR OF THE TRANSCENED AS THE REPRACTOR ASSISTANCTION SUPERIOR SILL PROCEED. 3.3 GROUND TESTING. A THE CONTRACTOR SHALL TEST THE GROUND ELECTRODE ROD RESISTANCE IN ACCORDANGE WITH A THE CONTRACTOR SHALL OPERATE A THE FALL OPERATE AND SHALL OPERATE SHAN THE PROPERTY LAFFOR STAND SHALL OPERATE THAT PROPERTY AND SHALL OPERATE THAT SHERT SHAN THAT CHARLES THAT SHERT SHAN THAT SHERT SHALL OPERATE THAT SHERT SHERT SHAN THAT CHARLES THAT SHERT SHALL OPERATE THAT SHERT SHERT SHAN THAT CHARLES THAT SHERT SHERT SHAN THAT THE GROUND ROD, WEAR HIGH VOLT-THE RECTRACTOR SHALL SHERT SHAN THE GROUND ROD, WEAR HIGH VOLT-THE RECTRACTOR SHALL SHERT SHAN THE GROUND ROD, WEAR HIGH VOLT-THE RESPONSE TO GROWN THE SHERT SHERT SHERT SHAN THAT THE CONSTRUCTION SHAD SHALL BEFORE SHALL SHERD SHERD SHERD SHERD SHERD SHERD SHOWN THE GROUND TEST SHERD SHALL SHERD SHALL SHERD SHERD SHERD SHERD SHERD SHERD SHOWN. 1.1 SCOPE A THE SPECIFICATION PRESCRIBES THE REQUIREMENTS FOR FURNISHING NETALLATION AND SPECIFIED IN THIS SPECIFICATION FOR SPECIFIED IN THIS SPECIFICATION FOR ALL SHEFFEES TO WITCH GROUND CHARLES SHALL BE FIRE OF PAINT. B. APPLICATION FOR EXPERIENCE B. APPLICATION FOR THE POSTS I. FEREN AND OFFICE FOR THE POSTS I. FEREN AND OFFICE FOR THE POSTS I. SECURIFICATION BUT SHALL BE ETHICAL GROUNDING AND BONDING I. SERVICE ECHIPODES I. GROUNDING BETALLOWER TO PROPERTY ON SHALL BE ETHICAL GROUNDING AND BONDING I. SERVICE ECHIPODES I. GROUNDING SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. SERVICE ECHIPODES I. SERVICE ECHIPODES I. GROUNDING SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. UNDER SHALL BE FIRE OF PAINT. I. UNDER SHALL BE FIRE OF PAINT. I. UNDER SHALL BE FIRE OF PAINT. I. TO MATCH ORDIGING SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE ETHICAL GROUNDING SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE FIRE OF PAINT. I. TO WARROW SHALL BE FIRE OF PAINT. II TO WARROW SHALL BE FIRE OF PAINT. I GLOSE OUT DOCUMENTATION. GLOSE OUT DOCUMENTATION CONTRIBUTOR TO CONTRIBUTE THE COLUMNO. A SE BUT TO SERVE PROMININGS B. AND THE COLUMNINGS C. RESERVED YES TEST TO PROMININGS AND SEQUED RING I. UNDESCRIPTION OF CONTRIBUTES AND SEQUED RING A MITTHING OWNER, UMPER ATT COMMENTS AND SEQUED RING A MITTHING OWNER, UMPER ATT COMMENTS AND SEQUED RING A A THE SEAL OF THE COLUMNINGS AND SEQUED RING AND RELIABLE TO COLUMN THE BACK PLANE OF THE 4. GROUND BAR ATTACHMENTS E, SIGNED OFF PERMIT CARGS F, CERTHICATE OF PERMIT CARGS E, RETURN OF FERS ANDORR ACCESS AUTHORIZATION H, ORIGINAL BULDING PERMIT END OF GROUNDING SPECIFICATIONS A. GROUNNING 1. TECHNIANS SHALL BE GROUNDED AS FOLLOWS, AS SHOWN ON THE DRAWNINGS AND IN COMPLIANCE WITH NAME CANCEL CORES. WANTER THE CONTRACT AND COLORES. WANTER THE COLOR STAND SHALL BEFORM ASHON THE SERVINGS AS A STAND SHALL BEFORM ASHON THE SERVINGS AS A SHOWN ON THE SERVINGS AS A SHOWN SHALL BEFORM ASHON THE SHALL BEFORM ASHON THE SHALL BEFORM ASHON THE SERVINGS AS A SHOWN SHALL BEFORM ASHON THE SHALL BEFORM ASHALL BEFORM ASHON THE SHALL BEFORM ASHALL BEFORM AS B. GROUND RODS SHALL BE 69' DIMETER 8" O' LONG COPPER CLAD DRIVEN RODIS). CROUND RODS SHALL BE 69' DIMETER 8" O' LONG COPPER CLAD DRIVEN RODIS). GROUND RODIS SHALL BE SPACED AT A MINIMUM SPACING OF 8" O" AND A MAXIMUM STACING OF 8" O" AND A MAXIMUM SPACING OF 8" O" AND A MAXIMUM SPACING OF 8" O" A SHALL BE SPACED AT A MINIMUM SPACING OF 8" O" A SHALL BHIS DEPTH A GROUND ROSS SHILL BE SHED SHE TRADE TO ROW. EL ESS "THAN 8" BELOW RINISHED GRADE. GROUND ROSS WHICH LEAVING TE BRONE STRAIGHT TOWN HE ENTRE! (IN PEET, SHALL BE ORDING AND CRAME). GROUND RODI WOLLD CONTINUES THAN SPECIAL TO SHALL BE GROUND SHALL BE NOTED ON THE AS-BLILL TORANING COMPLETE WITH DIMESSIONS. 7. PROVIDE GROUND TEST WIELLS SHOWN ON THE CABLILL TORANING COMPLETE WITH ELECTINGLA WORK RASSENTS SPCIPIET DIRECTS TO THE TELETH WAS DARFOR WE WORKERS TO STATE WITH WE DESCRIBE THE TOTAL WEST STATEMENT OF WORKERS TO THE TOTAL CARREST STATEMENT OF WORKERS WHICH STATEMENT STATEMEN REFERENCES: THE PUBLICATIONS LISTED BELOW FORM ANAT OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE HEART STEP REVISION AND ADDROMM WE REFER ON THE EAR IT HIS SPECIFICATION. SHALL BE HEART STEP REVISION AND ADDROMM WE REFER ON THE EACH PUBLICATION SHALL SHA 1. WERDLESS ECCEPT AS OTHERWISE INDICATED PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEMS INDICATED. WITHOUT SYSTEMS INDICATED TO GROUNDING ESTEMBLY INDIVIDED BY STEMS INDICATED TO GROUNDING ESTEMBLY INDIVIDED BY STEMS INDICATED TO GROUNDING ESTEMBLY ESTEMBLY BY STEMS INDICATED TO GROUNDING ESTEMBLY INDICATED TO GROUNDING ESTEMBLY SELECTRORS. SOURCE HAVO BE FOR COORDICATE SHEED FOR A COUNCIL SELECT BY SHEED WITHOUT STEMS AND INSTALLERS OF THOSE WAS ERECOMED WITH SALE AS COUNCIL SELECT BY SHEED WITHOUT SALE SHEED TO SHEED 3.4 SAFETY IS OF PARAMOUNT CONCERN TO BOTH SITE WORKERS AND THE PUBLIC PROJECT SPECIFICATION 15670 (GROUNDING) END OF ELECTRICAL SPECIFICATIONS PART I: GENERAL A. CONDUITS: A. CONDUITS. A. CONDUITS CANDERGROUND CONDUIT SHALL BE ESCHEDULE AD PAC, SIZED AS SHOWN ON THE CONSTRUCTION DRAWNINGS. 2. ALL INFERIOR CONDUIT SHALL BE ESCHEDULE, CODE REQUIREMENTS. 3. ALL INFERIOR CONDUIT SHALL BE LEST PROPERED SHALL BE LEST SHALL BE SHALL B A. ITEMS SHALL BE NEW AND SHALL BE NETALLED ONLY IF IN FREST-CLASS CONDITION. B. SUBSETTUTIONS FOR MATERIAL WILL BE PERMITTED ONLY BY WRITTEN APPROVAL OF THE T-MOBILE CONSTRUCTIONS SUPERVISOR. MATERIALS: THE CONTRACTOR SHALL PROVIDE ALL MATERIAL EXCEPTAS SPECHED IN THE CONTRACT DOCUMENTS, ALL MATERIAL SHALL BE APPROVED AND ILSTED BY DEBRAT HE ULL LABELL AND WILL COMPLY WITH ARIS (EEE AND MENS TANDARDS WHERE APPLICABLE. A. CONDUITS. A. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE AD PAC, SIZED AS SHOWN ON THE 3.2 INSPECTION A VIBLAL CHECK OF ELECTRICAL AND TELEPHONE CARLES. CONDUITS AND OTHER ITEMS SHALL BE A VIBLALLED. INSTALLED. INSTALLED. B. THE CONTRACTOR SHALL NOTIFY THE T-MOBILE CONSTRUCTION SUPERVISOR 24 HOURS PRIOR TO TRENCH BACK FILL. 12. REFERENCES. THE PAULON/DOOR LETOD E.C. OF YOUR ASSOCIATION LEGATE THE PATE THE STREET STREET AS WOOD FEED TO THE PATE THE STREET STREET AS WOOD FEED TO THE PATE THE STREET STREET AS WOOD FEED BY THE RECOLD FEED AS WOOD FEED AS SPECIFICATION IS SHALL DOOR FORTOW OF THE SE PUBLICATIONS. A NASIS (MARRICAN MATIONAL STREET S PARTIII. EXECUTION 3.1 PREMARATUM 3.2 PREMARANTUM 4. BEFORE LAYING OUT WORK EXERCISE PROPER PRECAUTION TO VERIFY SACH MEASUREMENT. 8. LOSE STREWE CAUNTUM SEFORE EXCANTING IN EXSTING PREAS TO LOCATE EXISTING UNDERGROUND SERVICES. 1.3 SYSTEN GEOPPING. DESCUS REQUISEMENTS: THE CONTRACTOR SHALL NISTFALL UNDERGROUND ELECTRICAL AND DESCUS PROPIDE CONDUITS AND LOSALE SESPECIFIED THESEN AND AS SHOWN ON THE DRAWNINGS. B. PERFORMANCE REQUIREMENTS: WHEN FINISHED WORK SHALL BE IN A COMPLETE AND UNDAMAGED STATE, AS REQUIRED IN THE CONTRACT DOCUMENTS. PART E. CENERAL 1.1 SOCIETHIS SPECIFICATION DESCRIBES THE MINIMUM REQUIREMENT FOR INSTALLATION OF ALL ELECTRICAL SYSTEMS. PROJECT SPECIFICATION 15000 (ELECTRICAL 3.3 INSTALLATION A. TRENCH 22

T. Mobile

6215 MORENCI TRAIL INDIANAPOLIS, IN 46268 (317) 347-7071



520 South Main Street, Suite 2531 Akron, OH 44311 330,572,2100 Fax: 330,572,2102



THE INFORMATION CONTAINED
IN THIS SET OF DOCUMENTS
IS PROPRIETARY BY NATURE.
ANY USE OR DISCLOSURE
OTHER THAN THAT WHICH
IS STRICTLY PROPRIETED

120 BROADVIEW/GRAHAM PLAZA MW02502B

o	REVISION/ISSUE	DATE
0	FINAL CDS	06/28/19
Ĭ		

GENERAL NOTES

N-3