300 Plaza

6088, 6084, 6080, and 6072 W. 300 North
Greenfield, Indiana 46140

UTILITY COMPANIES

GAS – VECTREN ENERGY
1600 ALLISONVILLE RD
NOBLESVILLE, IN 46061
ANDREW REICHLE
PH: (800)–227–1376

WATER – CITIZENS ENERGY GROUP
2020 N MERIDIAN ST
INDIANAPOLIS, IN 46202
PH: 317–924–3311

STORM – HANCOCK COUNTY SURVEYORS OFFICE
111 AMERICAN LEGION PLACE
SUITE 171
GREENFIELD, IN 46140
PH: 317–447–1150

HANCOCK COUNTY HIGHWAY ENGINEER
921 W. OSAGE STREET
GREENFIELD, IN 46140
PH:317–477–1130
GARY POOL

SANITARY SEWER – AQUA INDIANA, INC.
AQUA INDIANA, INC.
5750 CASTLE CREEK PARKWAY
NORTH DRIVE, SUITE 314
INDIANAPOLIS, IN 46250
PH:317–716–6026
KIERAN TANSY

ELECTRIC – DUKE ENERGY
485 N RANGE LINE ROAD
MORRISTOWN, IN 46161
JOSEPH ALAN

TELEPHONE – NINE STAR CONNECT
2331 E 600 N
GREENFIELD, IN 46140
PH: 317–323–2078
GEORGE PLISINSKI



LOCATION MAP



VICINITY MAP

OWNER INFORMATION

AJE Properties, LLC
4292 W. 186th Street
Sheridan, Indiana
46069

Phone: (317) 340–6819

PROPOSED PROJECTS ADDRESS

300 Plaza
6088, 6084, 6080, and 6072 W. 300 North
Greenfield, Indiana 46140

BUILDING INFORMATION:

OCCUPANCY GROUP: (mixed) A–2 & m
CONSTRUCTION TYPE II–B (sprinklered)
BUILDING SQUARE FOOTAGE: 10,297 SQ.FT.
CANOPY SQUARE FOOTAGE: 414 SQ.FT.
TOTAL SQUARE FOOTAGE: 10,419.0 SQ. FT.
A2–5814 SQ.FT., M–5019 SQ.FT.
BUILDING MAX HT. 29'–8"
BUILDING DESIGN TO MEET EARTHQUAKE ZONE ONE
BUILDING TO MEET ADA (AMERICAN DISABILITY ACT)

ENGINEERING AND CERTIFICATION:

VERSATILE CONSTRUCTION GROUP, LLC.
570 East Tracy Road, Suite 610
New Whiteland, Indiana 46184
Ph: 317.535.3579 Fax: 317.535.3581

PLANS CERTIFIED BY:
TRENT A. BAXTER P.E.
REGISTERED P.E. No. 19700309
DATE: MAY 6, 2022

DESIGN SUMMARY:

DESIGN LOADS:
- –ROOF LIVE LOAD: 30 PSF
- –ROOF DEAD LOAD: 12 PSF

SNOW LOAD DESIGN CRITERIA:
- –SNOW LOAD IMPORTANCE FACTOR: 1.0
- –GROUND SNOW LOAD: 20 PSF
- –FLAT ROOF SNOW LOAD: 30 PSF

WIND LOAD DESIGN CRITERIA:
- –BASIC WIND SPEED: 115 MPH(3 SEC. GUST)
- –WIND EXPOSURE CATEGORY: B
- –WIND ENCLOSURE CLASSIFICATION: INCLOSED

SEISMIC LOAD DESIGN CRITERIA:
- –SEISMIC IMPORTANCE FACTOR: 1.0
- –SITE CLASS: C
- –SPECTRAL RESPONSE ACCELERATIONS: Ss=0.229g, S1=0.108g, Sds=0.183g, Sd1=0.122g
- –SEISMIC DESIGN CATEGORY: B

WALL FRAMING MATERIALS
- –2x6 WOOD STUDS @16" O.C. #2 SPRUCE PINE
- –8" MASONRY UNITS

CODE SUMMARY:

BUILDING CODE:
- –2014 INDIANA BUILDING CODE
- –INTERNATIONAL BUILDING CODE, 2012 EDITION
- –ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, 2009 EDITION

MECHANICAL CODE:
- –2014 INDIANA MECHANICAL CODE
- –INTERNATIONAL MECHANICAL CODE, 2012 EDITION

PLUMBING CODE:
- –2012 INDIANA PLUMBING CODE
- –INTERNATIONAL PLUMBING CODE, 2006 EDITION

ELECTRICAL CODE:
- –INDIANA ELECTRICAL CODE, 2009 EDITION
- –NFPA 70 – NATIONAL ELECTRICAL CODE, 2008 EDITION

ENERGY CONSERVATION CODE:
- –2010 INDIANA ENERGY CONSERVATION CODE
- –ANSI/ASHRAE 90.1 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW–RISE RESIDENTIAL BUILDINGS, 2007 EDITION, I–P EDITION

FIRE PREVENTION CODE:
- –2014 INDIANA FIRE CODE
- –INTERNATIONAL FIRE CODE, 2012 EDITION

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SHEET NO.	DESCRIPTION
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S100	FOUNDATION WALL STAKING PLAN
S105	FOUNDATION PIER PLAN
S110	PIER FOUNDATION DETAILS
S200	FOUNDATION PLAN
S205	FOUNDATION DETAILS
S300	STRUCTURAL STEEL FRAMING PLAN
S305	STRUCTURAL STEEL FRAMING DETAILS
S310	STRUCTURAL STEEL BARJOIST PLAN
S315	STRUCTURAL STEEL BARJOIST DETAILS
S400	MASONRY ELEVATION VIEWS
S405	MASONRY ELEVATION VIEWS
A100	EXTERIOR ELEVATION VIEWS
A105	EXTERIOR ELEVATION VIEWS
A110	CANOPY AND ROOF ACCESS DETAILS
A200	FLOOR PLAN
A201	WINDOW FRAMING DETAILS
A205	ROOF FRAMING PLAN
A210	FINISH PLAN
A215	WINDOW SCHEDULE
A220	DOOR SCHEDULE
A225	MILLWORK DETAILS
A300	WALL SECTIONS
A305	WALL SECTIONS
A310	WALL SECTIONS
A315	WALL SECTIONS
A320	WALL SECTIONS
A325	WALL SECTIONS
A330	WALL SECTIONS
A335	WALL SECTIONS
A340	WALL SECTIONS
A345	WALL SECTIONS
A350	WALL SECTIONS
A355	WALL SECTIONS
A360	WALL SECTIONS
A365	WALL SECTIONS
A370	WALL SECTIONS
A375	WALL SECTIONS
A400	REFLECTED CEILING PLAN
A500	ROOFING PLAN
M100	MECHANICAL PLAN
M200	KITCHEN HOOD DETAILS
M205	KITCHEN HOOD DETAILS
M210	KITCHEN HOOD DETAILS
M215	KITCHEN HOOD DETAILS
M220	KITCHEN HOOD DETAILS
M225	KITCHEN HOOD DETAILS
M230	KITCHEN HOOD DETAILS
P100	SANITARY PLUMBING PLAN
P110	SANITARY PLUMBING SCHEMATIC
P200	WATER PLUMBING PLNA
P300	GAS PIPING PLAN
E100	POWER PLAN
E105	ROOF TOP POWER PLAN
E200	LIGHTING PLAN
E300	RISER DIAGRAM AND PANEL SCHEDULES
~~K100~~	~~KITCHEN EQUIPMENT PLAN~~
F100	FIRE AND LIFE SAFETY PLAN
SP100	BUILDING SPECIFICATIONS
SP200	MASONRY SPECIFICATIONS

REVISION
05.11.22 A215
06.02.22 S200, S205, P100, P105
06.07.22 A210, A230, A235
01.11.23 FULL SET
02.22.23 E100, E300
03.09.23 FULL SET
03.21.23 A100, A215

VERSATILE CONSTRUCTION GROUP, LLC.
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300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Title Sheet

Job No.	Date Stamped
21081	05.06.22

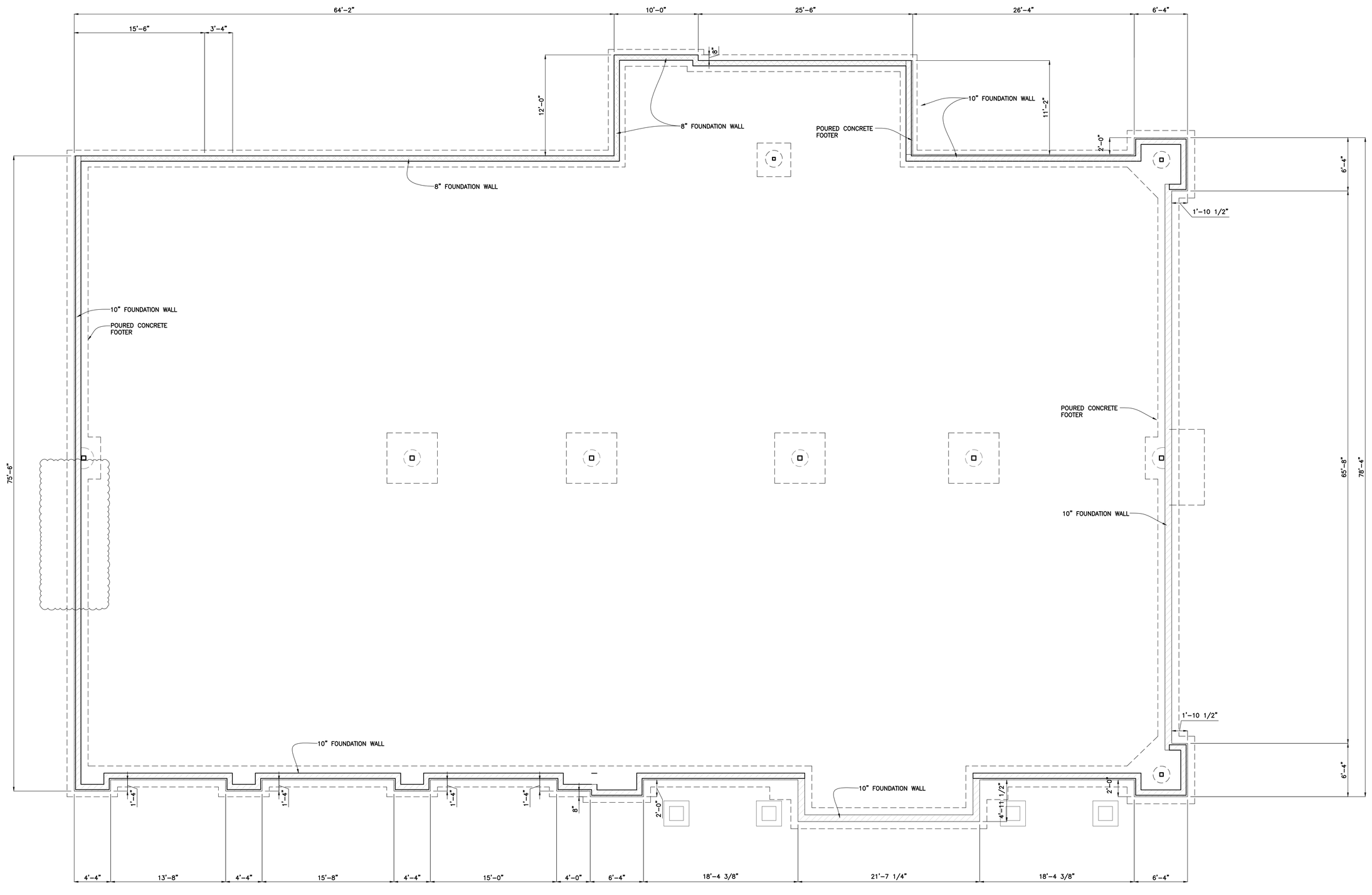
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TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

THIS DRAWING IS THE PROPERTY OF VERSITILE CONSTRUCTION GROUP, LLC. ANY ALTERATION TO THIS DRAWING IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT AND UNDER THE DIRECTION OF THE PROFESSIONAL LICENSOR WHOSE SEAL IS AFFIXED TO THIS DRAWING.

SHEET TITLE:
T100



ALL DIMENSIONS TAKEN FROM THE BOTTOM COURSE OF BLOCK

N

REVISION
01.11.23 West wall revised

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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Foundation Wall Staking Plan

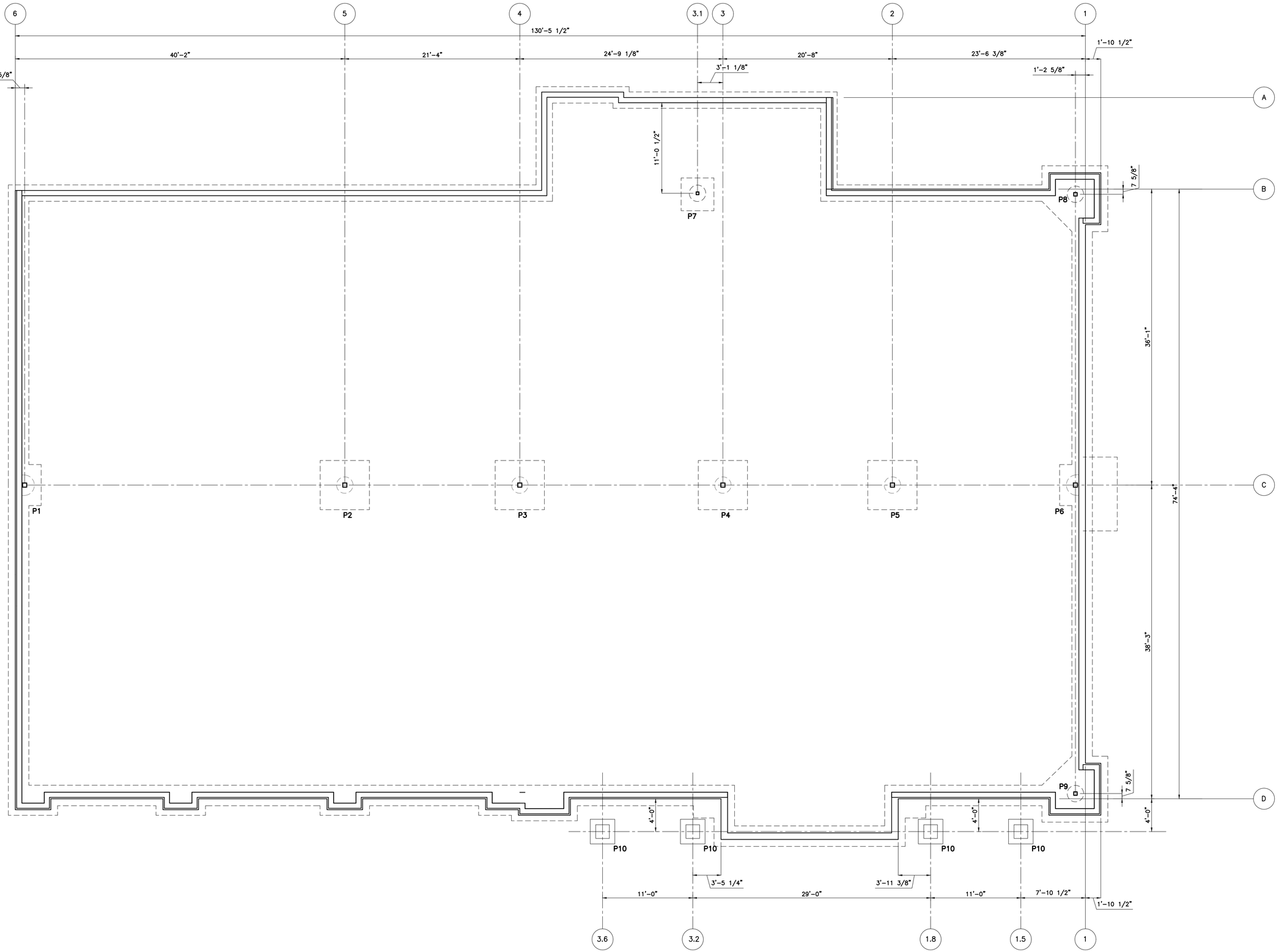
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TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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SHEET TITLE:
S100



ALL EXTERIOR DIMENSIONS TAKEN FROM THE BOTTOM COURSE OF BLOCK

N

REVISION

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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Foundation Pier Plan

Job No.	Date Stamped
21081	04.12.2022

Drawn By	Checked By	Scale:
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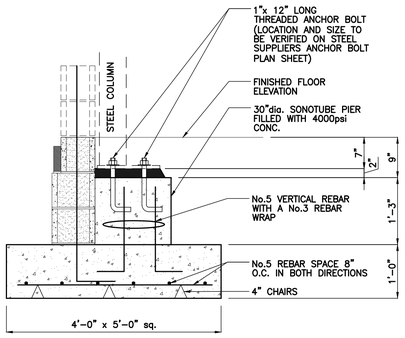
VINCENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER

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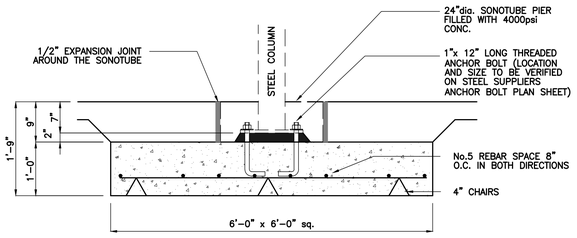
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S105



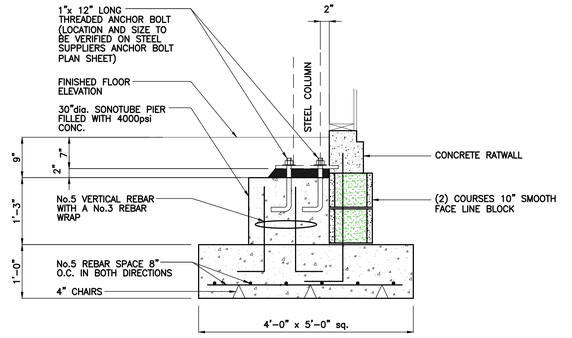
SECTION

1 **FOUNDATION PIER DETAIL P1**
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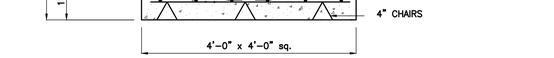
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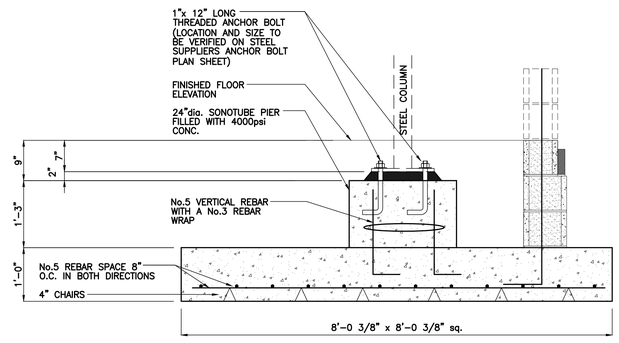
SECTION

3 **FOUNDATION PIER DETAIL P6**
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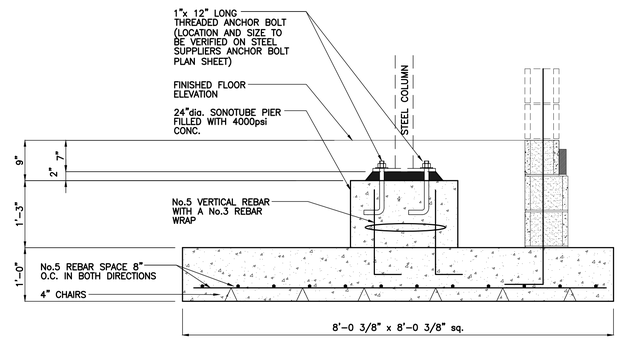
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4 **FOUNDATION PIER DETAIL P7**
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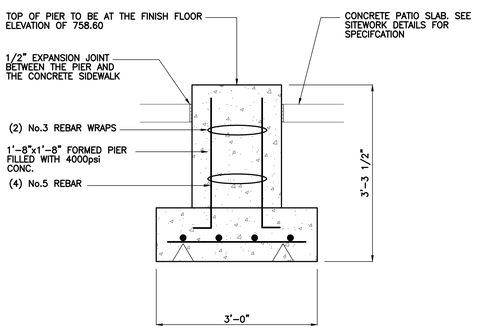
SECTION

5 **FOUNDATION PIER DETAIL P8**
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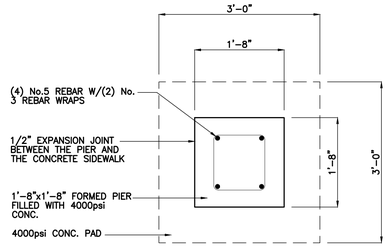


SECTION

6 **FOUNDATION PIER DETAIL P9**
scale: 3/4"=1'-0"



SECTION



PLAN VIEW

7 **FOUNDATION PIER DETAIL P10**
scale: 3/4"=1'-0"

FOUNDATION NOTES

1. ALL INSTALLATIONS SHALL BE PER THE RULES AND REGULATIONS OF THE STATE DEPARTMENT OF FIRE PREVENTION AND BUILDING SAFETY, AND ALL LOCAL ORDERS.
2. PAD AND FOOTING SURFACES SHALL BE COMPACTED TO 95% STANDARD PROCTOR WITHIN THE CONCRETE LIMITS, AND HAVE A MINIMUM SOILS BEARING PRESSURE OF 3,000 P.S.I.
3. ALL CONCRETE SLABS SHALL BE 4000 PSI STRENGTH AFTER TWENTY-EIGHT (28) DAYS WITH ALL REINFORCING STEEL 60,000 PSI.
4. ALL CONCRETE WALLS SHALL BE THREE THOUSAND PSI STRENGTH AFTER TWENTY-EIGHT (28) DAYS WITH ALL REINFORCING STEEL 60,000 PSI.
5. THE BOTTOM OF ALL CONCRETE FOOTINGS SHALL BE A MINIMUM OF 44 INCHES BELOW FINISH GRADE UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
6. ALL FOOTING TRENCHES SHALL BE FREE FROM STANDING WATER AND DEBRIS WITH THE REINFORCING STEEL SUSPENDED FROM THE BOTTOM OF THE TRENCH.
7. FOOTERS AND PEIRS TO HAVE 4,000 PSI CONCRETE
8. CONCRETE SLAB FLATNESS TO HAVE NO MORE THAN 1/8" DIFFERENCE IN 10'
9. INSTALL No. 5 REBAR AND FILL THE 2 MASONRY CORES SOLID DIRECTLY NEXT TO ALL MASONRY OPENINGS WITH 4000 PSI GROUT TO THE BOTTOM OF THE CONCRETE/STEEL LINTEL

REVISION

VERSATILE CONSTRUCTION GROUP, LLC.
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300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Pier Foundation Details

Job No.	Date Stamped
21081	05.06.22
Drawn By	Checked By / Scale:
jat	m.tworek / 3/4"=1'-0"

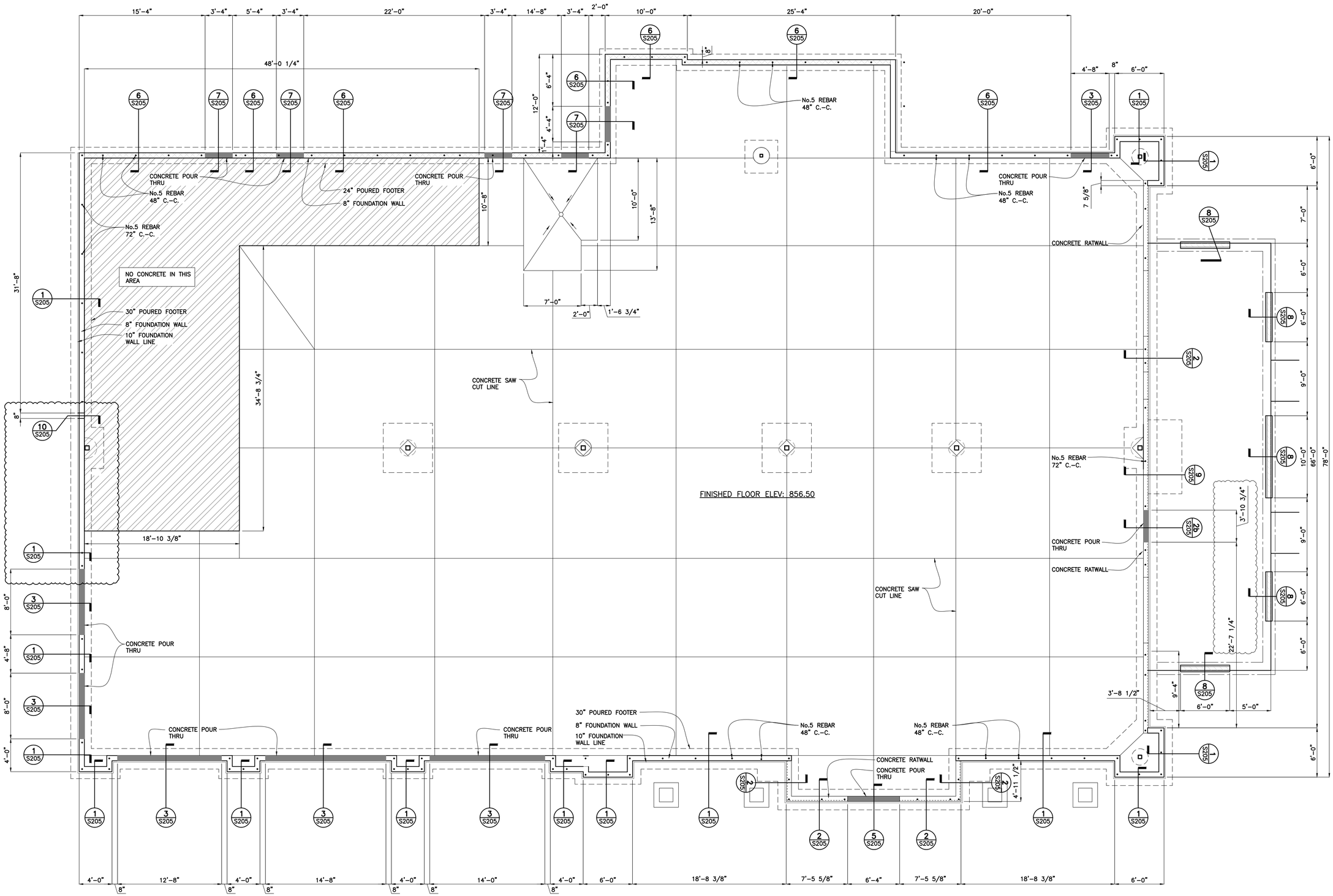
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BRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Brent A. Baxter
CERTIFIED BY:

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SHEET TITLE:

S110



ALL DIMENSIONS TAKEN FROM THE OUTSIDE OF THE 8" BLOCK TOP COURSE AND POURED WALL

N

REVISION
06.02.22 section cut 10 added(K)
01.11.23 West wall revised
03.09.23 East wall revised

VERSATILE CONSTRUCTION GROUP, LLC.
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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Foundation Plan

Job No.	Date Stamped
21081	05.06.22

Drawn By	Checked By	Scale:
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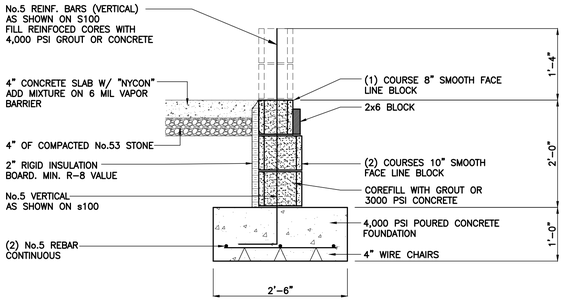
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TROY A. BAUER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A. Baxter
CERTIFIED BY:

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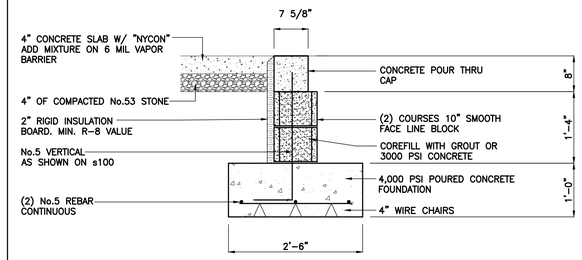
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S200



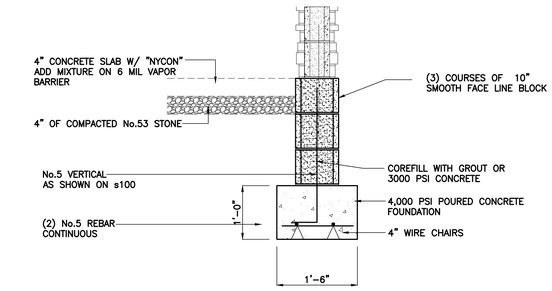
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

1 **FOUNDATION WALL DETAIL**
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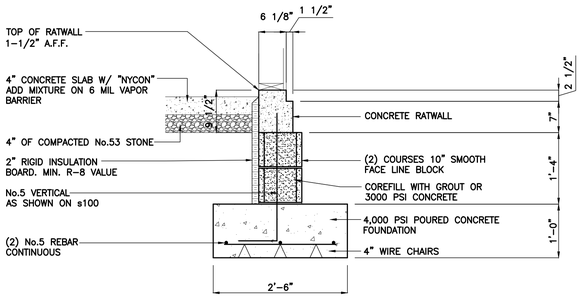
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

3 **FOUNDATION WALL DETAIL (DOOR/WINDOW OPENING)**
scale: 3/4"=1'-0"



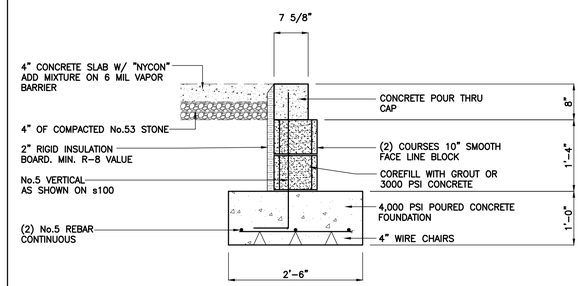
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

8 **FOUNDATION WALL DETAIL**
scale: 3/4"=1'-0"



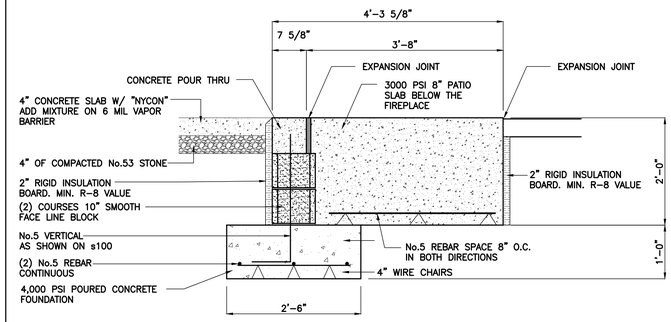
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

2 **FOUNDATION WALL DETAIL**
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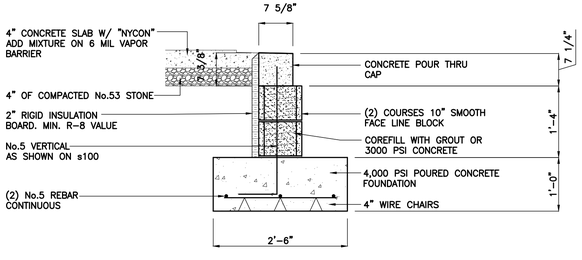
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

5 **FOUNDATION WALL DETAIL (DOOR WINDOW/OPENING)**
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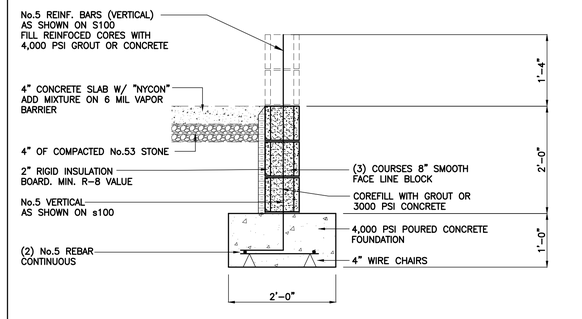
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

9 **FOUNDATION WALL DETAIL (DOOR WINDOW/OPENING)**
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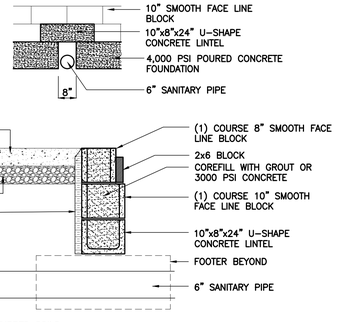
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

2a **FOUNDATION WALL DETAIL (O/H DOOR OPENING)**
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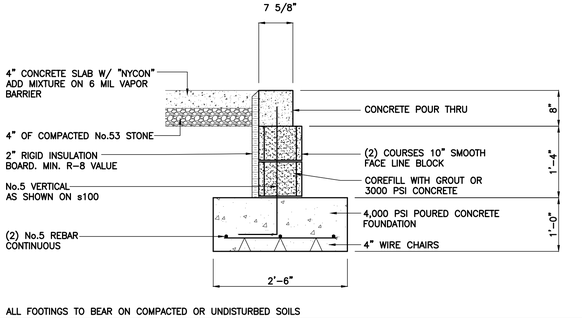
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

6 **FOUNDATION WALL DETAIL**
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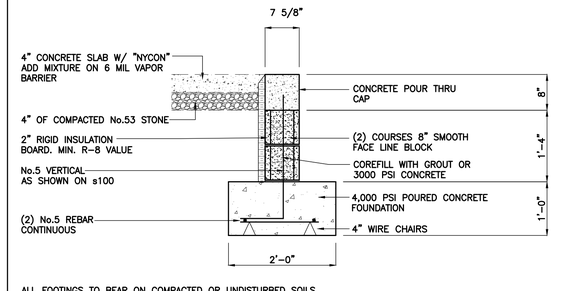
ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

10 **FOUNDATION WALL DETAIL**
scale: 3/4"=1'-0"



ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

2b **FOUNDATION WALL DETAIL (DOOR/WINDOW OPENING)**
scale: 3/4"=1'-0"



ALL FOOTINGS TO BEAR ON COMPACTED OR UNDISTURBED SOILS

7 **FOUNDATION WALL DETAIL (DOOR/WINDOW OPENING)**
scale: 3/4"=1'-0"

FOUNDATION NOTES

1. ALL INSTALLATIONS SHALL BE PER THE RULES AND REGULATIONS OF THE STATE DEPARTMENT OF FIRE PREVENTION AND BUILDING SAFETY, AND ALL LOCAL ORDERS.
2. PAD AND FOOTING SURFACES SHALL BE COMPACTED TO 95% STANDARD PROCTOR WITHIN THE CONCRETE LIMITS, AND HAVE A MINIMUM SOILS BEARING PRESSURE OF 3,000 P.S.I.
3. ALL CONCRETE SLABS SHALL BE 4000 PSI STRENGTH AFTER TWENTY-EIGHT (28) DAYS WITH ALL REINFORCING STEEL 60,000 PSI.
4. ALL CONCRETE WALLS SHALL BE THREE THOUSAND PSI STRENGTH AFTER TWENTY-EIGHT (28) DAYS WITH ALL REINFORCING STEEL 60,000 PSI.
5. THE BOTTOM OF ALL CONCRETE FOOTINGS SHALL BE A MINIMUM OF 44 INCHES BELOW FINISH GRADE UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
6. ALL FOOTING TRENCHES SHALL BE FREE FROM STANDING WATER AND DEBRIS WITH THE REINFORCING STEEL SUSPENDED FROM THE BOTTOM OF THE TRENCH.
7. FOOTERS AND PEIRS TO HAVE 4,000 PSI CONCRETE
8. CONCRETE SLAB FLATNESS TO HAVE NO MORE THAN 1/8" DIFFERENCE IN 10'
9. INSTALL No. 5 REBAR AND FILL THE 2 MASONRY CORES SOLID DIRECTLY NEXT TO ALL MASONRY OPENINGS WITH 4000 PSI GROUT TO THE BOTTOM OF THE CONCRETE/STEEL LINTEL

REVISION
06.02.22 detail 10 added(kt)

VERSATILE CONSTRUCTION GROUP, LLC.
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6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Foundation Details

Job No.	Date Stamped
21081	05.06.22

Drawn By	Checked By	Scale:
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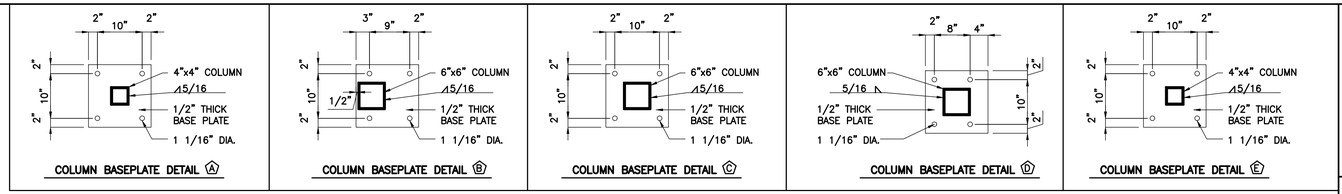
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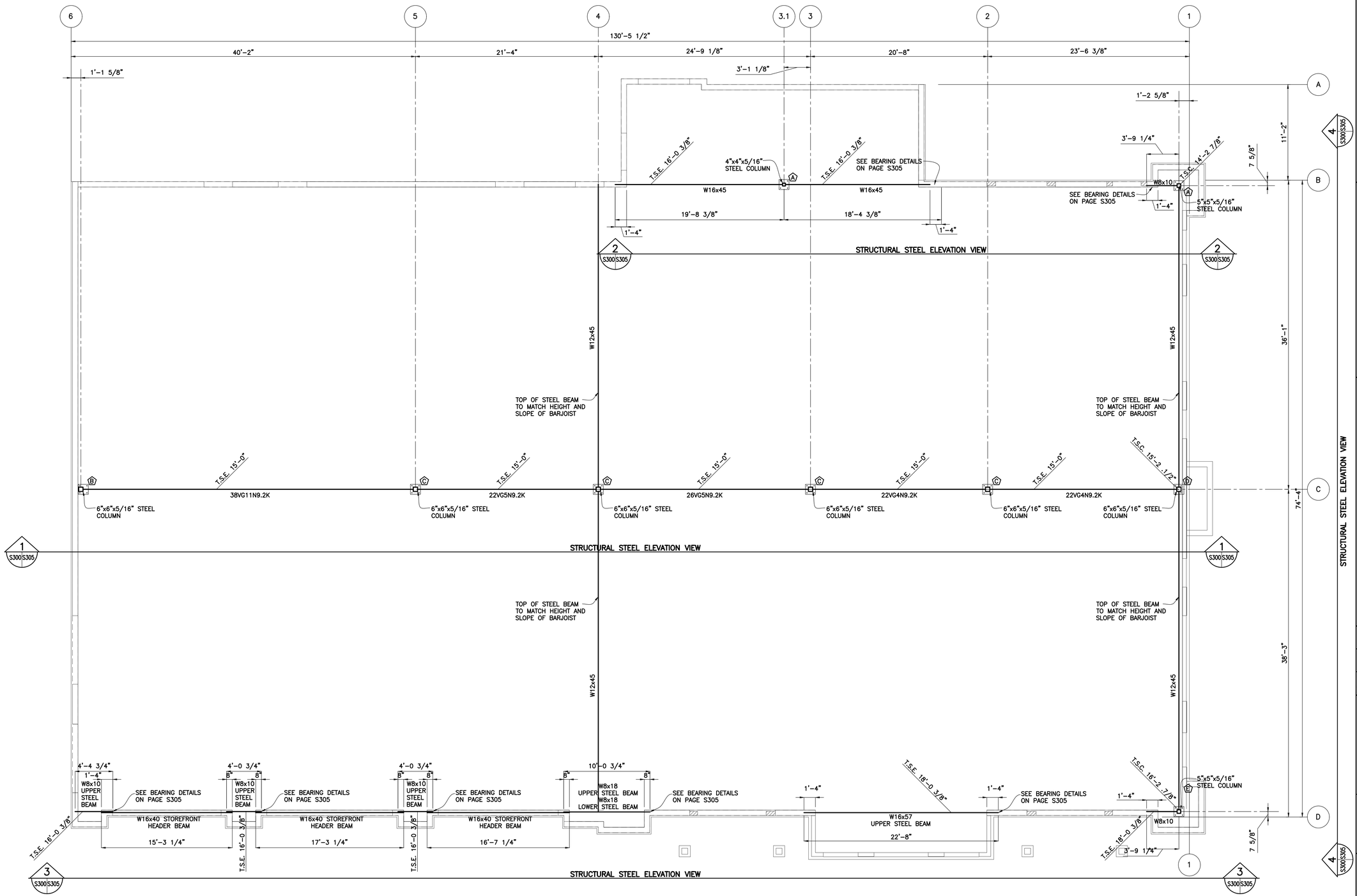
TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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SHEET TITLE:

S205





N

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Mount Comfort, Indiana 46140

Structural Steel Plan

Job No.	Date Stamped
21081	05.06.22

Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

CAD FILE:
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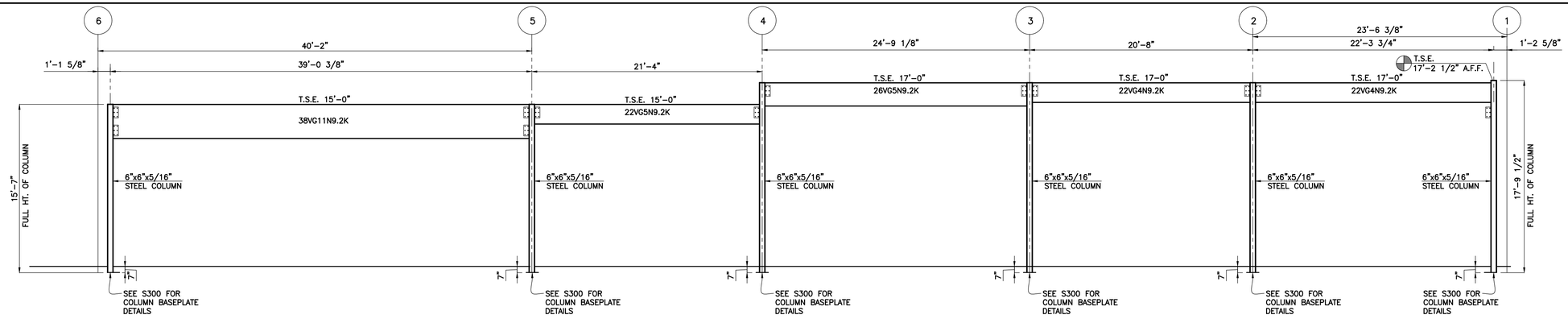
TRENT A. BAXTER REGISTERED No 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER

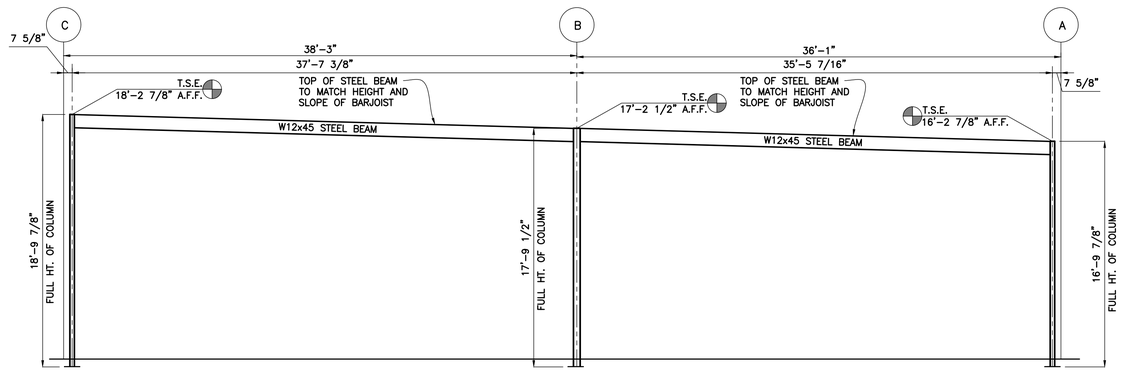
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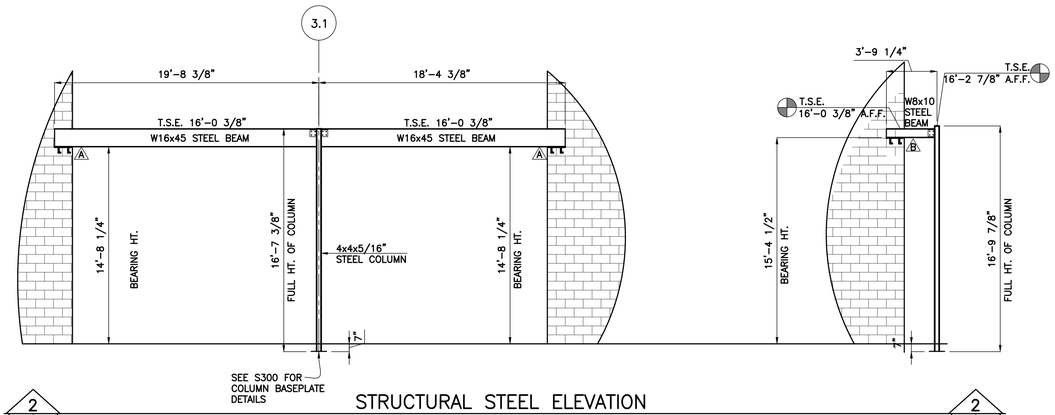
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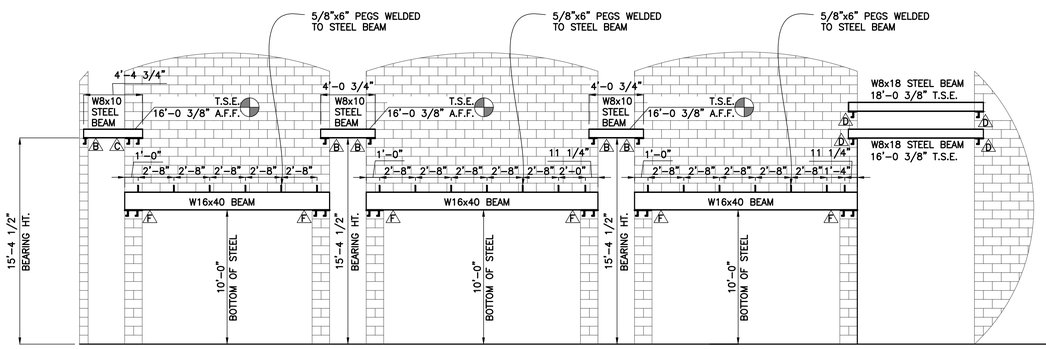
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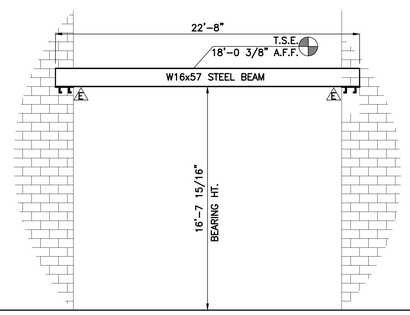
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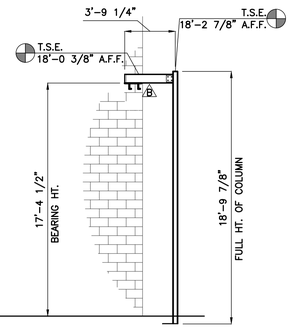


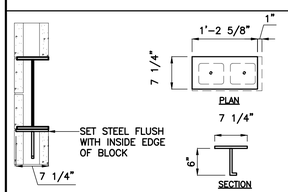




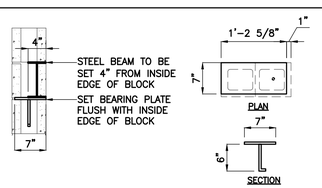




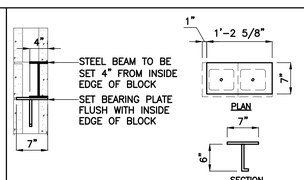




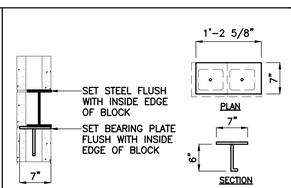
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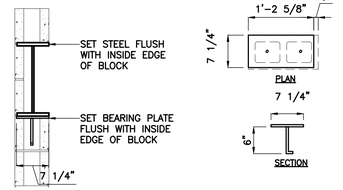
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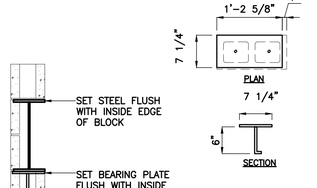
BEARING DETAILS C



BEARING DETAILS D



BEARING DETAILS E



BEARING DETAILS F

REVISION

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6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Structural Steel Details

Job No.	Date Stamped
21081	05.06.22
Drawn By: jat	Checked By: mjt
Scale: 3/16"=1'-0"	

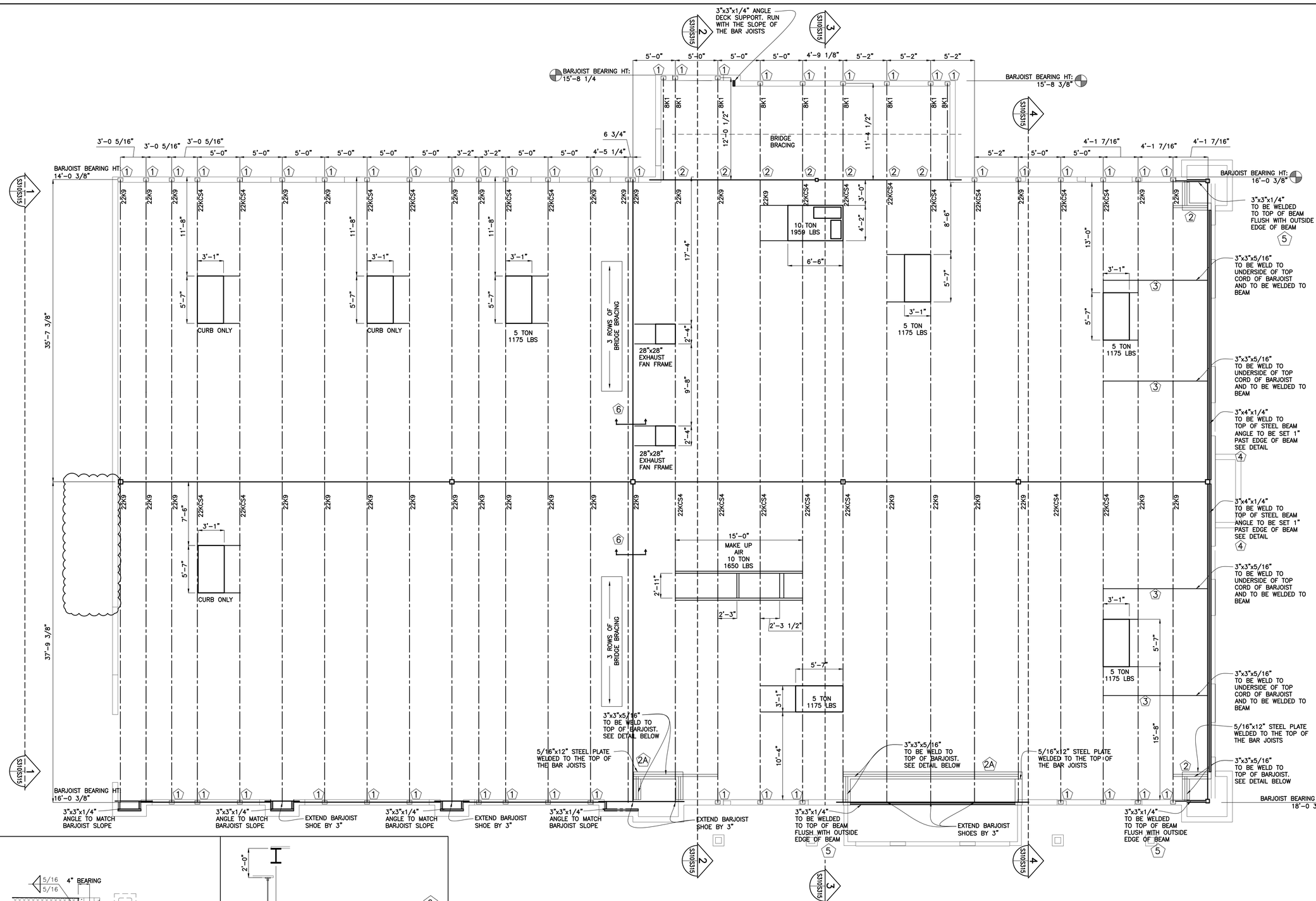
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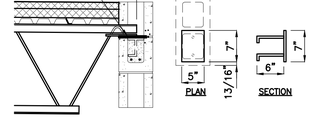
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Trent A Baxter
CERTIFIED BY:

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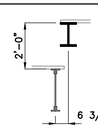
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S305

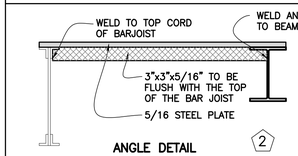




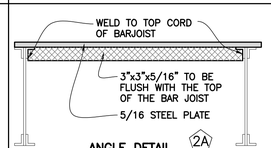
BARJOIST CONNECTION AT BLOCK WALL BEARING PLATE DETAIL 1



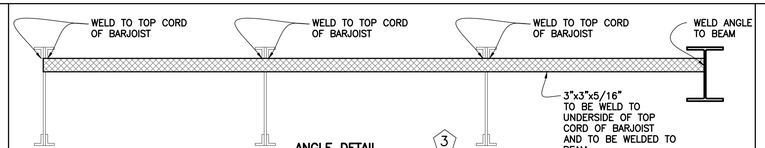
ROOF STEP DETAIL 6



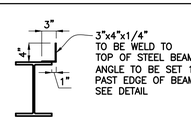
ANGLE DETAIL 2



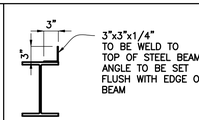
ANGLE DETAIL 2A



ANGLE DETAIL 3



ANGLE DETAIL 4



ANGLE DETAIL 5

N

REVISION
01.11.23 West wall revised

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6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Structural Steel Barjoist Plan

Job No.	Date Stamped
21081	05.06.22
Drawn By	Checked By / Scale
jat	mjt / 3/16"=1'-0"

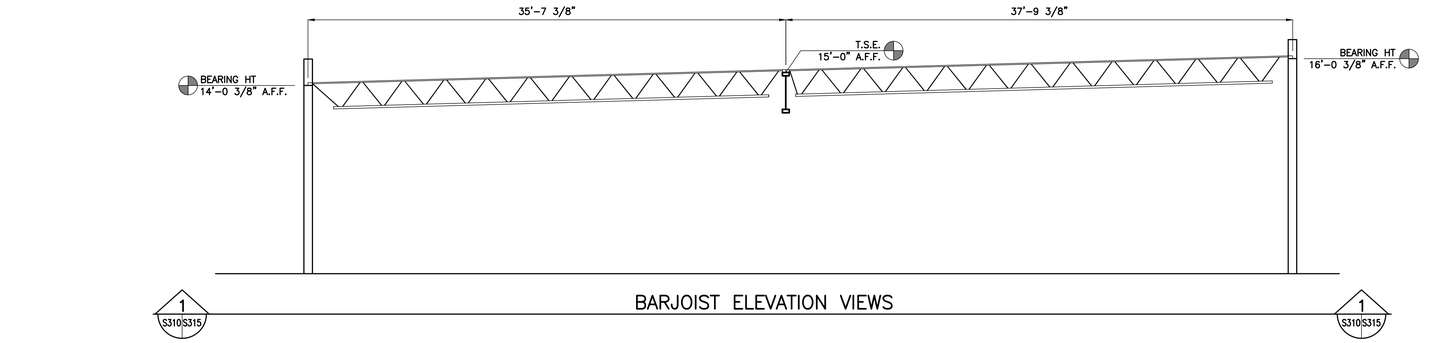
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TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
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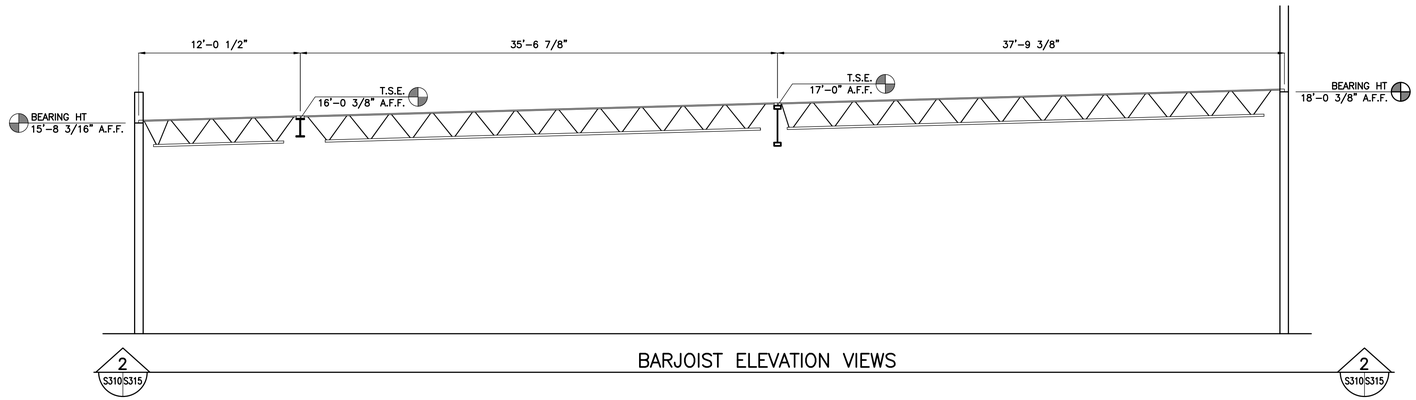
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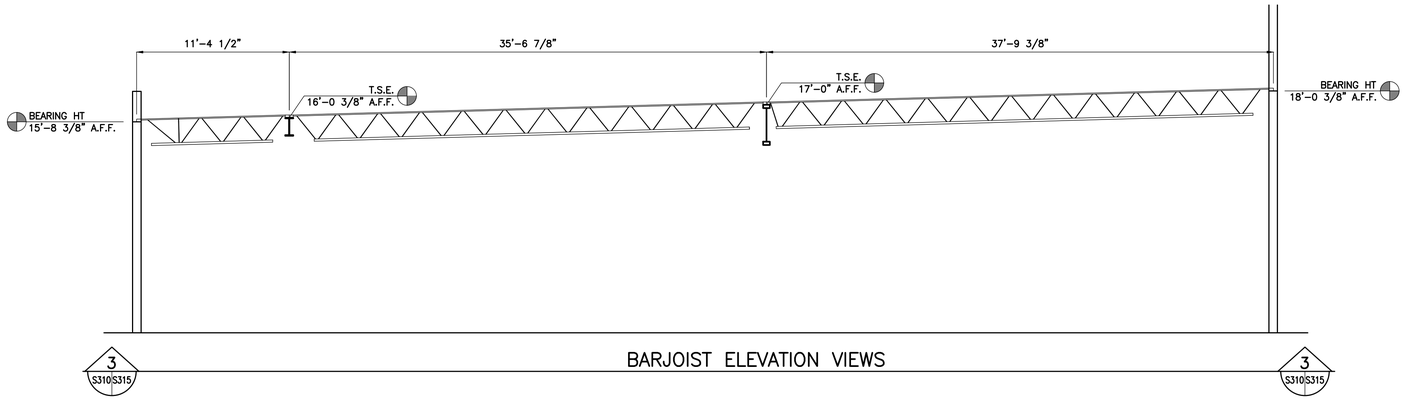
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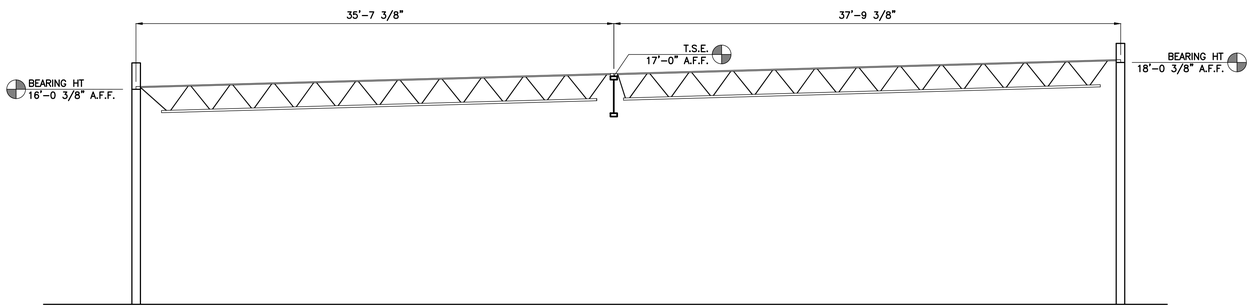
BARJOIST ELEVATION VIEWS



BARJOIST ELEVATION VIEWS



BARJOIST ELEVATION VIEWS



BARJOIST ELEVATION VIEWS

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Mount Comfort, Indiana 46140

Structural Steel Barjoist Details

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

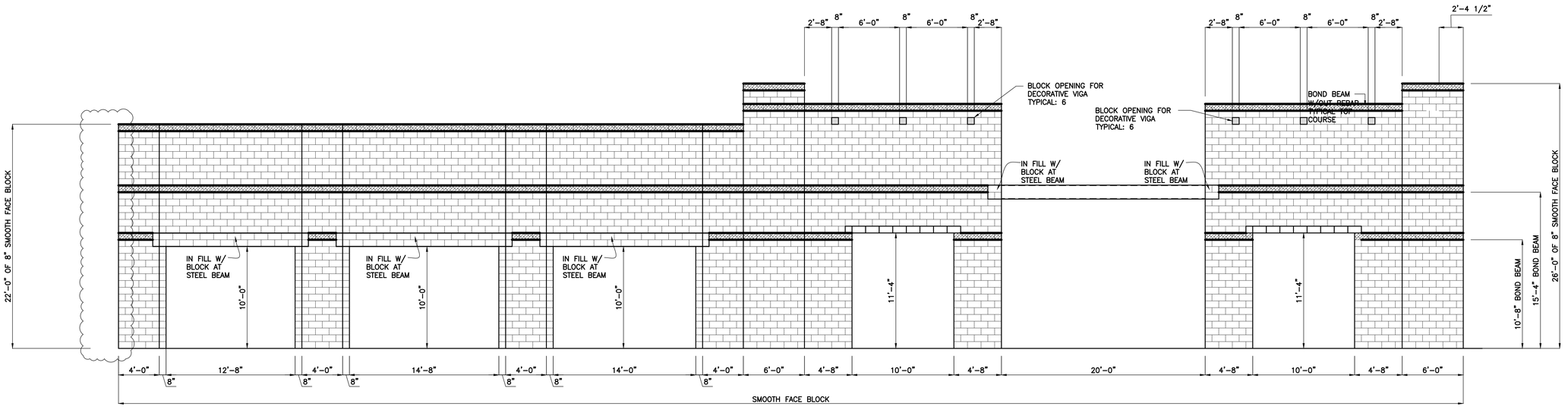
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Trent A Baxter
CERTIFIED BY:

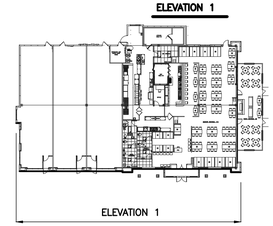
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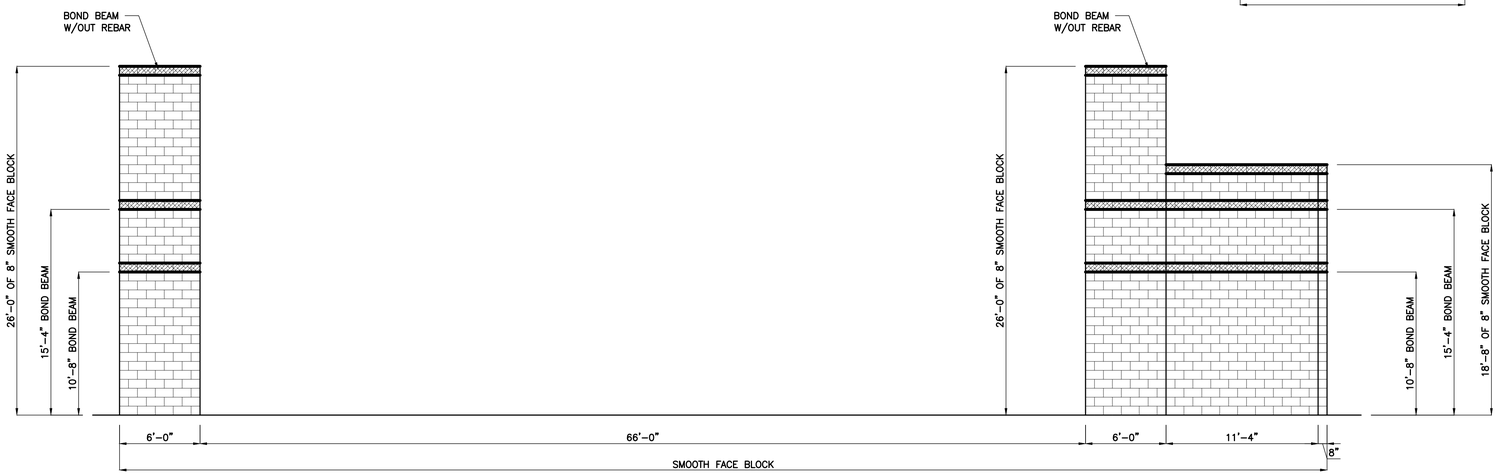
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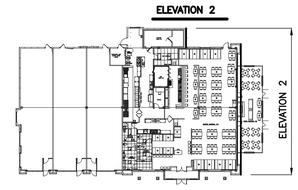


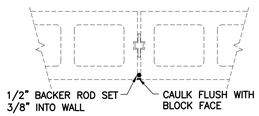
ELEVATION 1



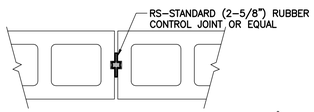


ELEVATION 2





MASONRY EXPANSION CAULKING DETAIL
MINIMUM EVERY 40' APART



RUBBER MASONRY EXPANSION JOINT DETAIL B
MINIMUM EVERY 40' APART

REVISION
01.11.23 elevation 1 revised

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300 Plaza
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Mount Comfort, Indiana 46140

Masonry Elevation Views

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

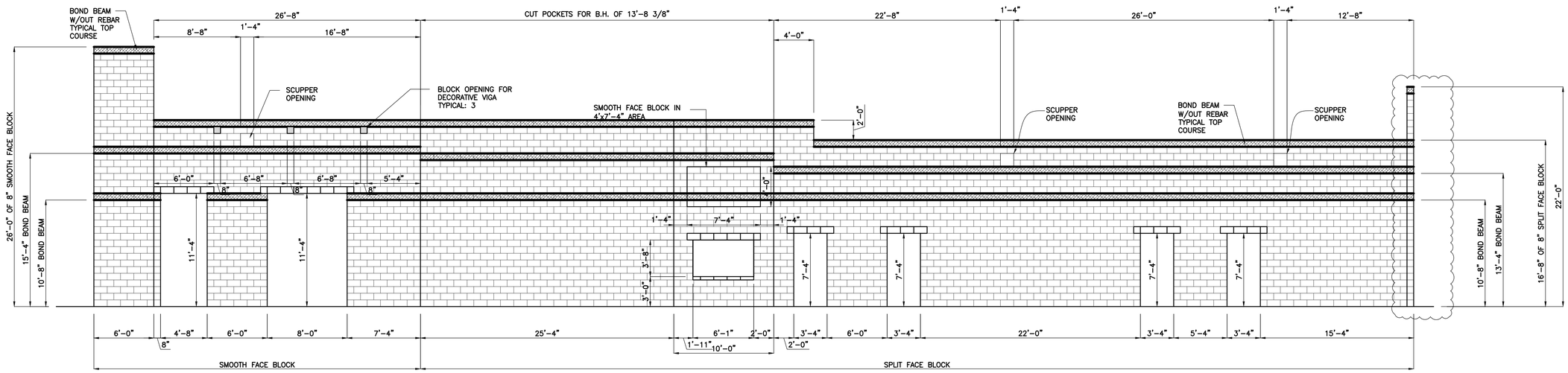
CAD FILE:
G:\21081\s400 masonry elevation views.dwg

TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

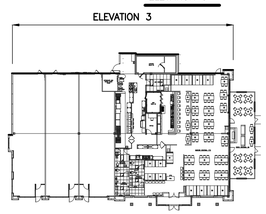
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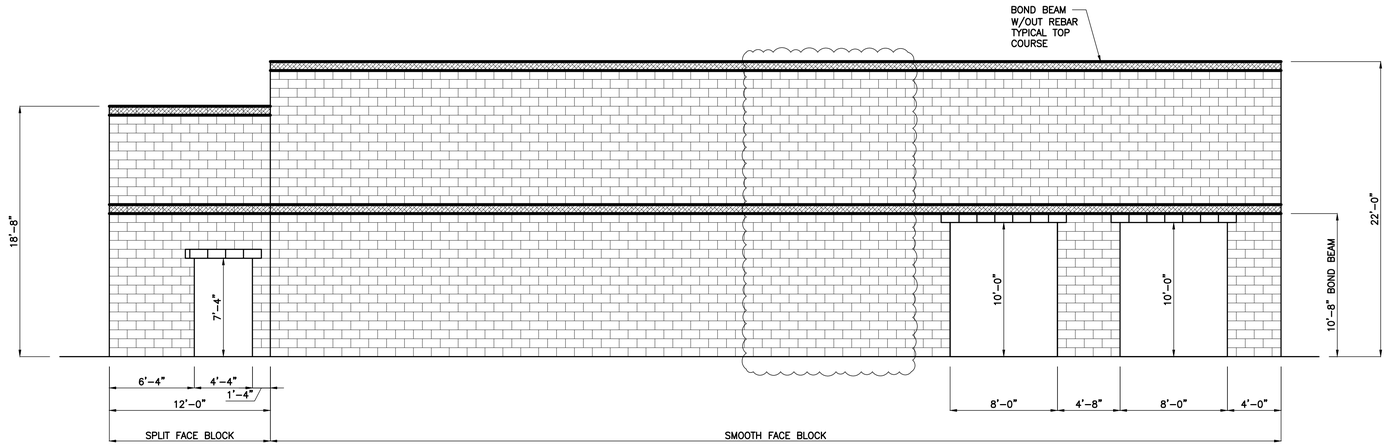
SHEET TITLE:

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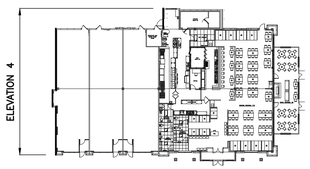


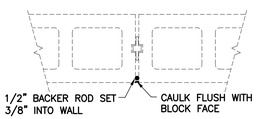
ELEVATION 3



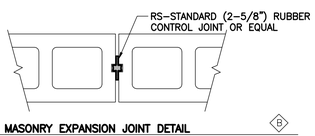


ELEVATION 4





MASONRY EXPANSION CAULKING DETAIL
MINIMUM EVERY 40' APART



RUBBER MASONRY EXPANSION JOINT DETAIL
MINIMUM EVERY 40' APART

REVISION
01.11.23 elevations 3 & 4 revised

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Mount Comfort, Indiana 46140

Masonry Elevation Views

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

CAD FILE:
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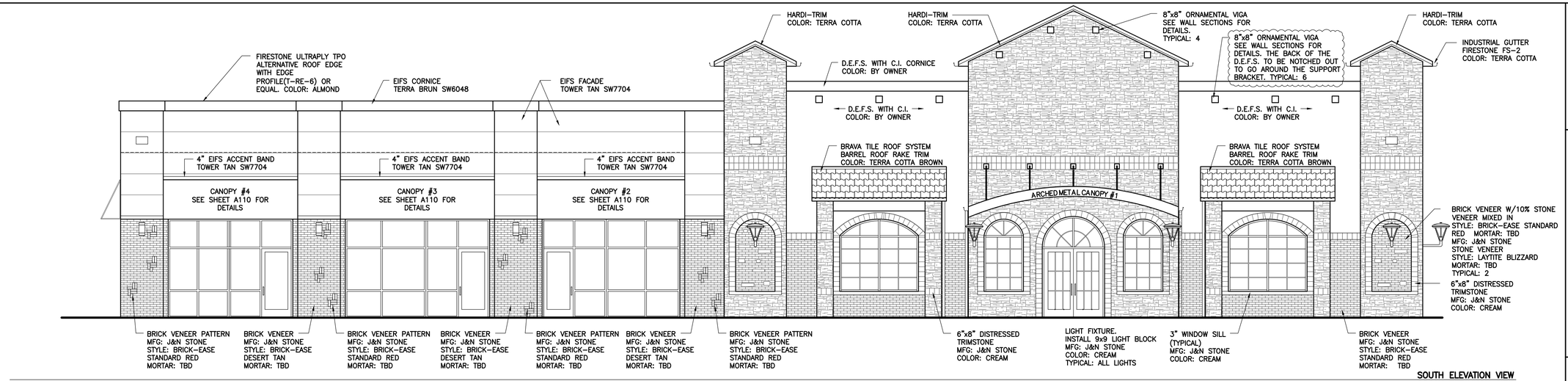
TRENT A. BAXTER REGISTERED PROFESSIONAL ENGINEER No. 19700309 STATE OF INDIANA

CERTIFIED BY:

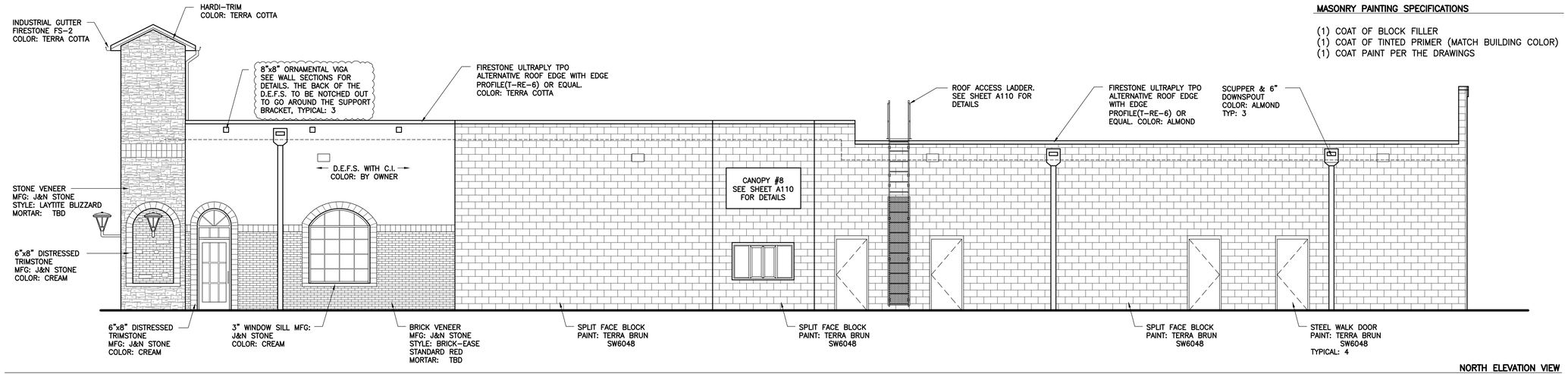
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SHEET TITLE:

S405



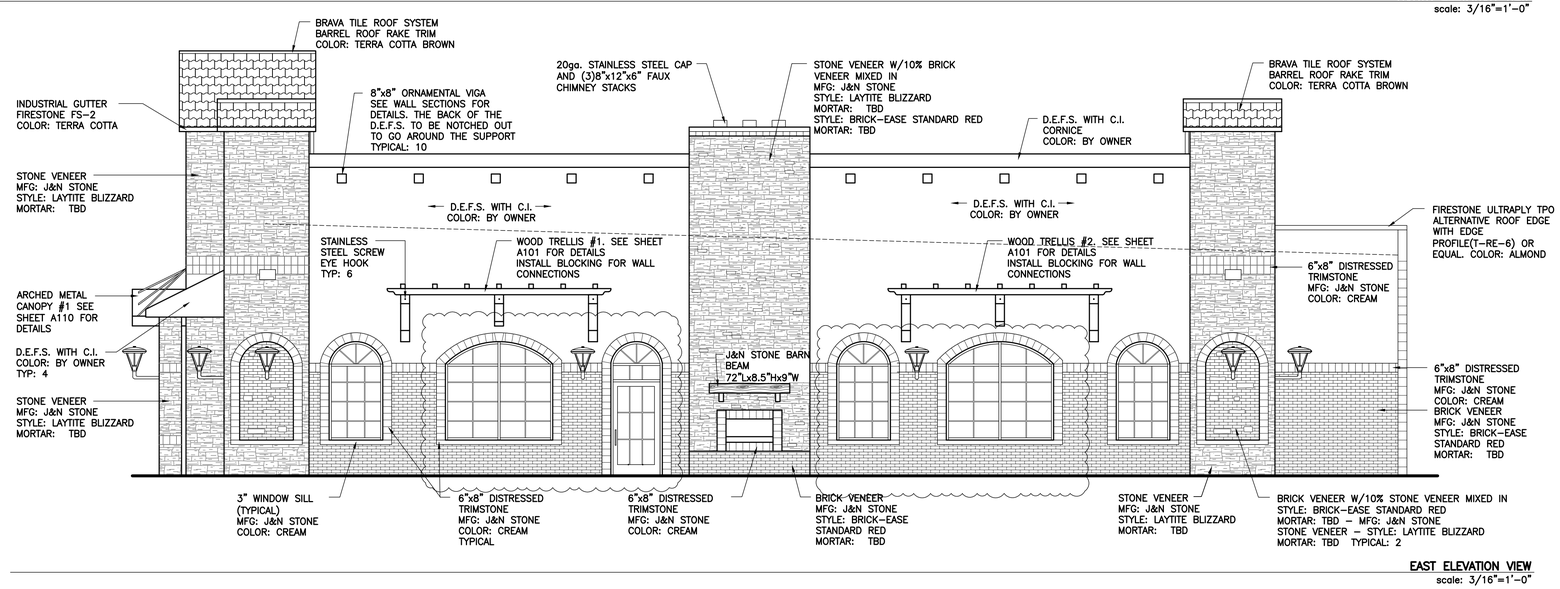
SOUTH ELEVATION VIEW
scale: 3/16"=1'-0"



NORTH ELEVATION VIEW
scale: 3/16"=1'-0"

MASONRY PAINTING SPECIFICATIONS

(1) COAT OF BLOCK FILLER
(1) COAT OF TINTED PRIMER (MATCH BUILDING COLOR)
(1) COAT PAINT PER THE DRAWINGS



EAST ELEVATION VIEW
scale: 3/16"=1'-0"

REVISION
01.11.23 revised North, South & East elevation views
03.09.23 East elevation revised at owner's request

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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Elevation Views

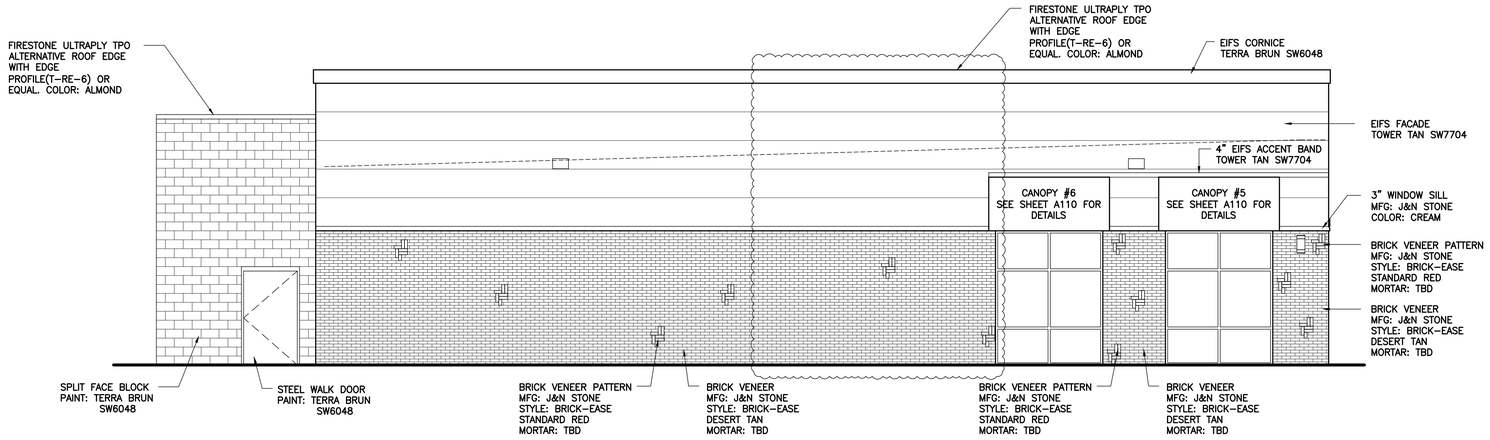
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	m.tworek	3/16"=1'-0"

CAD FILE:
G:\21081\a100 elevation views.dwg

TRENT A. BAXTER
REGISTERED
No 19700309
STATE OF INDIANA
PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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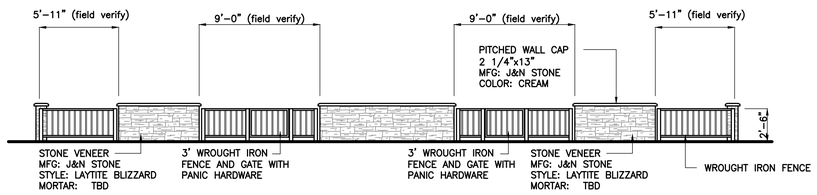
SHEET TITLE:
A100



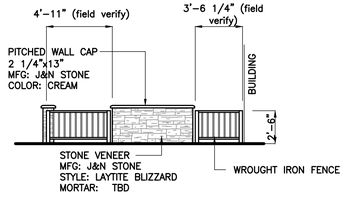
WEST ELEVATION VIEW
scale: 3/16"=1'-0"

MASONRY PAINTING SPECIFICATIONS

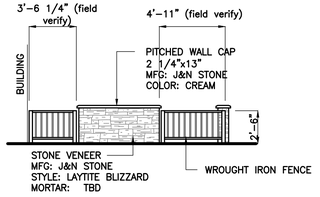
(1) COAT OF BLOCK FILLER
(1) COAT OF TINTED PRIMER (MATCH BUILDING COLOR)
(1) COAT PAINT PER THE DRAWINGS



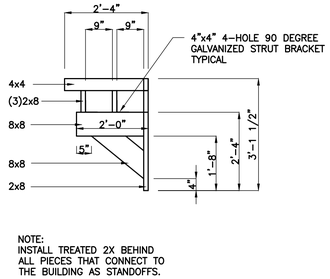
PATIO SCREENING EAST NORTH ELEVATION VIEW
scale: 3/16"=1'-0"



PATIO SCREENING WALL NORTH ELEVATION VIEW
scale: 3/16"=1'-0"

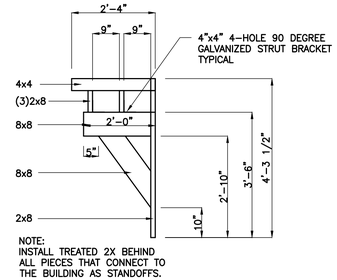


PATIO SCREENING WALL SOUTH ELEVATION VIEW
scale: 3/16"=1'-0"



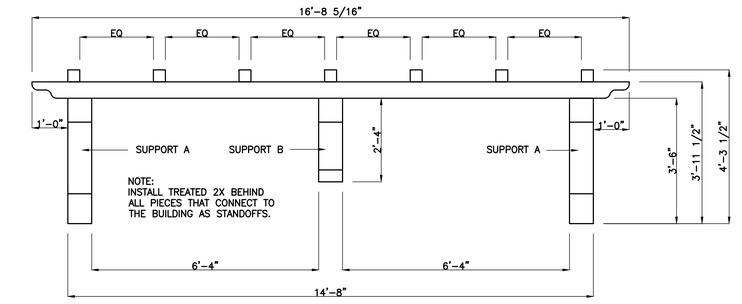
NOTE:
INSTALL TREATED 2X BEHIND ALL PIECES THAT CONNECT TO THE BUILDING AS STANDOFFS.

CEDAR TRELLIS SUPPORT B
scale: 1/2"=1'-0"



NOTE:
INSTALL TREATED 2X BEHIND ALL PIECES THAT CONNECT TO THE BUILDING AS STANDOFFS.

CEDAR TRELLIS SUPPORT A
scale: 1/2"=1'-0"



CEDAR TRELLIS 1 & 2
scale: 1/2"=1'-0"

REVISION
01.11.23 revised West elevation view

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Mount Comfort, Indiana 46140

Elevation Views

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	m.tworek	3/16"=1'-0"

CAD FILE:
G:\21081\a100 elevation views.dwg

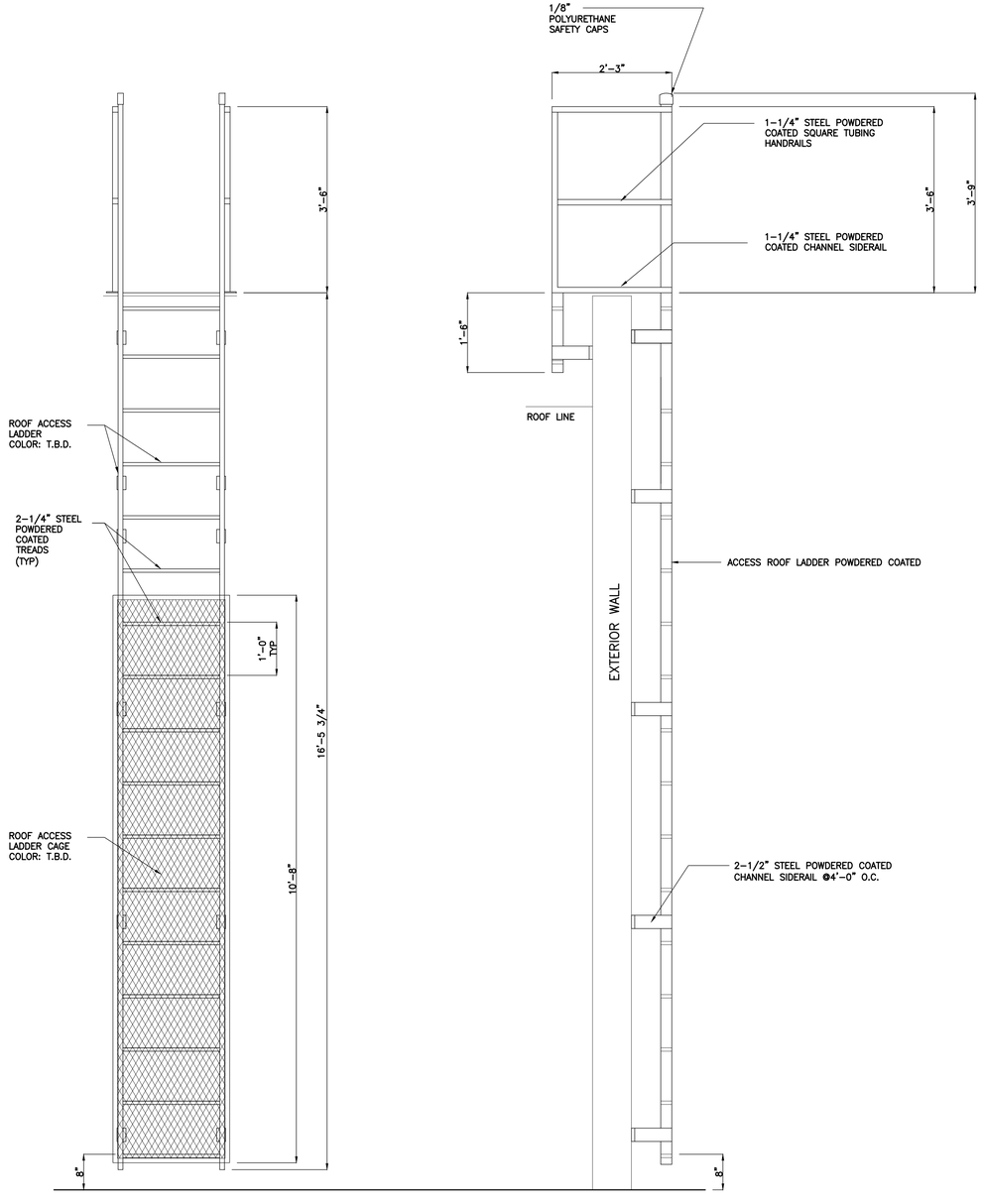
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CERTIFIED BY:

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SHEET TITLE:
A105

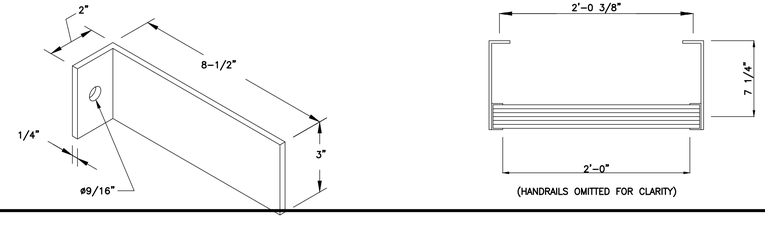
ROOF ACCESS LADDER DETAILS

scale: n.t.s.



ROOF ACCESS LADDER SUPPORT BRACKET DETAIL

scale: n.t.s.



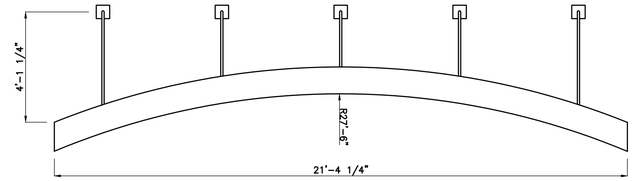
(HANDRAILS OMITTED FOR CLARITY)

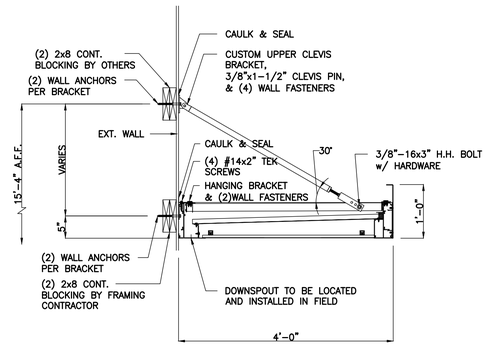
ARCHED METAL CANOPIES #1 WITH REAR GUTTER DETAILS

scale: n.t.s.

CANOPY 1: 21'-4 1/4" LONG. THE BOTTOM OF THE CANOPY ARCH RADIUS: 27'-6"

REFER TO SHOP DRAWINGS BY BAMA WELD SHOP, LLC FOR INSTALLATION

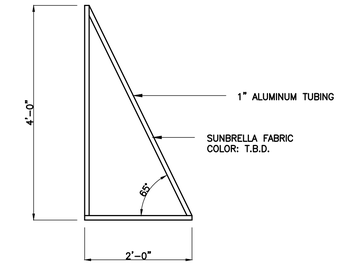




ALUMINUM FRAME CANOPY 5 & 6 DETAIL

scale: n.t.s.

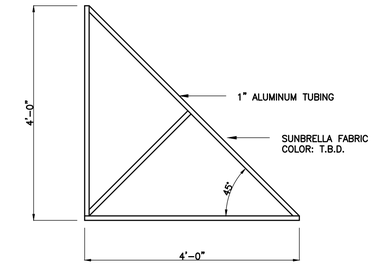
CANOPY 5 LENGTH: 9'-0"
CANOPY 6 LENGTH: 9'-0"



ALUMINUM FRAME CANOPY 2,3,4,[redacted] & 8 DETAIL

scale: n.t.s.

CANOPY 2 LENGTH: 15'-0"
CANOPY 3 LENGTH: 15'-8"
CANOPY 4 LENGTH: 13'-8"
CANOPY 8 LENGTH: 7'-4"



REVISION
01.11.23 canopy 7 removed

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Canopy & Roof Access Ladder Details

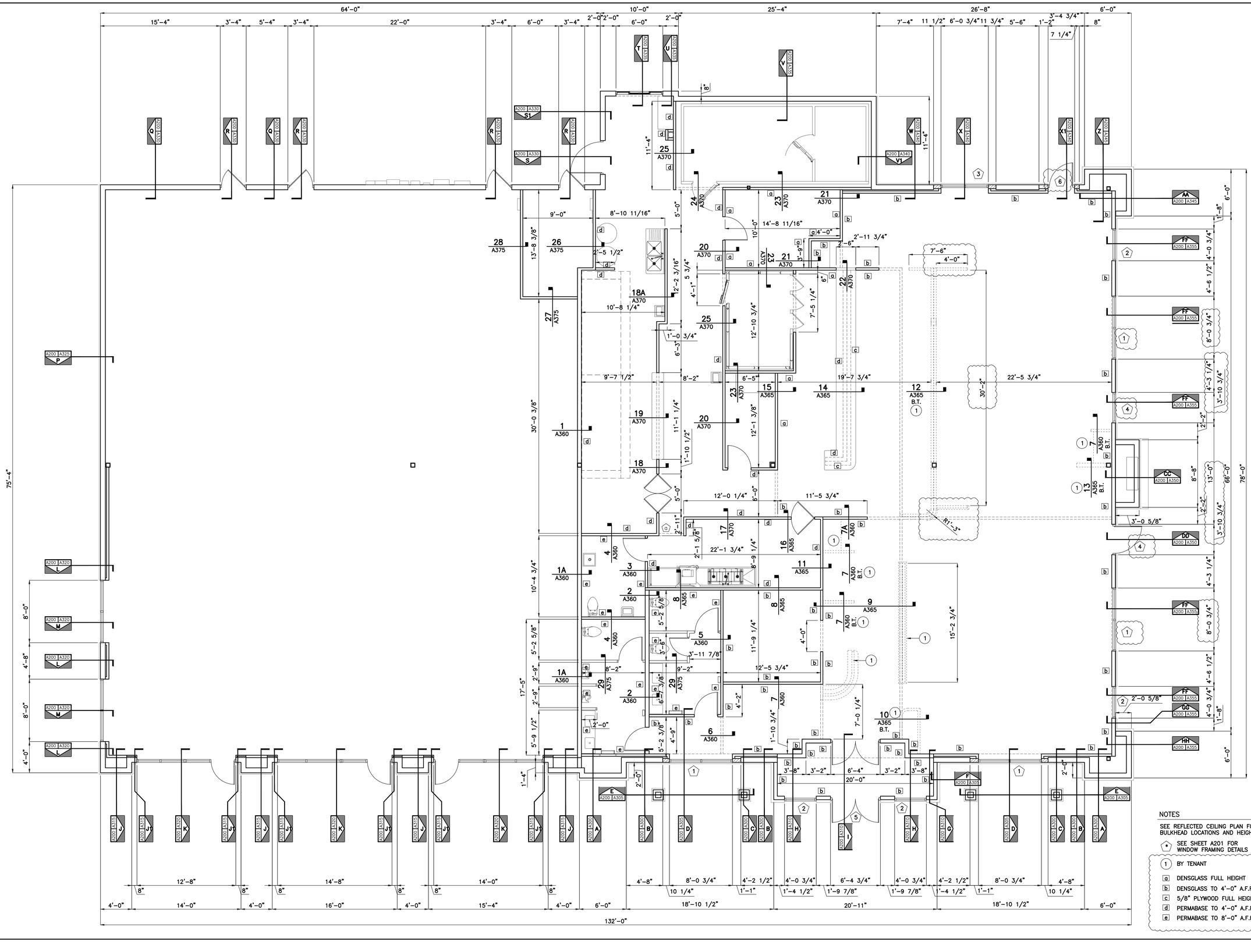
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
kt	m.tworek	3/4"=1'-0"

CAD FILE:
G:\21081\a110 canopy details.dwg

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Trent A Baxter
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SHEET TITLE:
A110



N

REVISION

01.11.23 East & West side of building revised sections N&O removed
02.10.23 REVISED WALLS BY TENANT (B.I.)
02.10.23 ADDED WALL SHEATHING PER TENANT
03.09.23 revised per owner's request

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6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Floor Plan

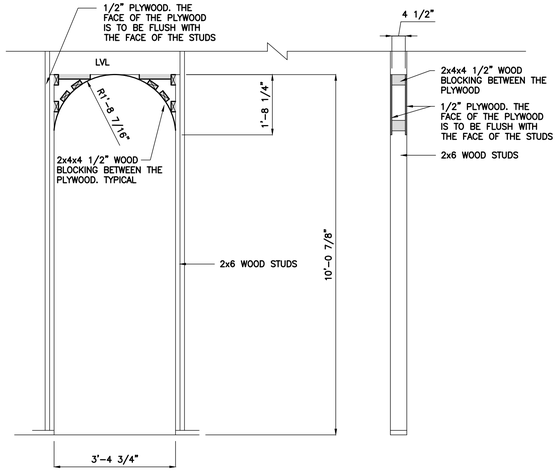
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
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CAD FILE:
G:\21081\a200 floor plan plan.dwg

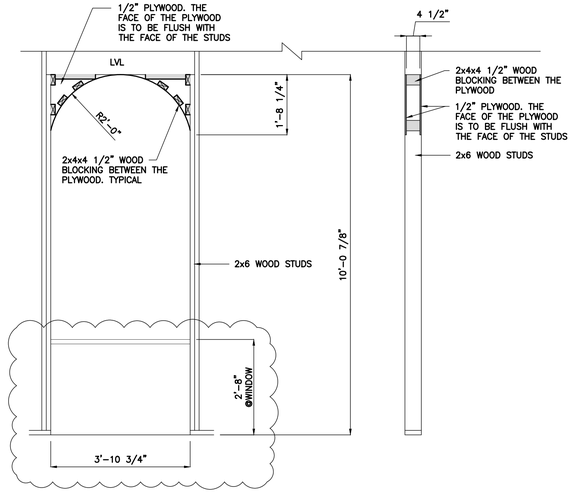
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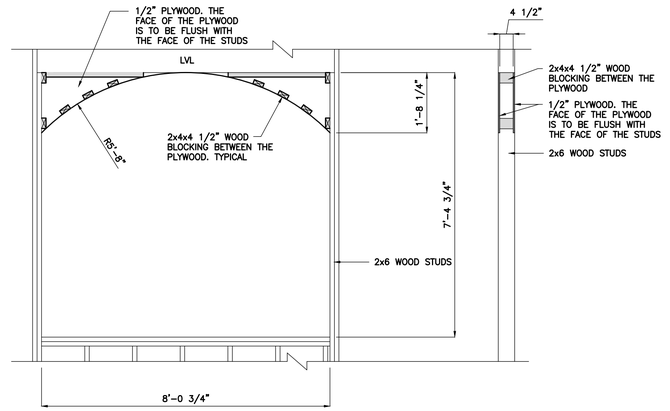
SHEET TITLE:
A200



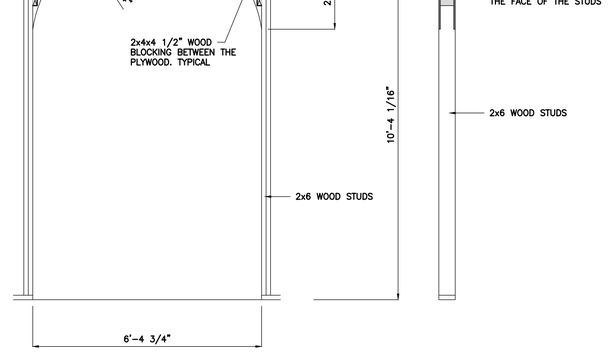
DOOR/WINDOW FRAMING DETAIL 6
SCALE: 1/2"=1'-0"



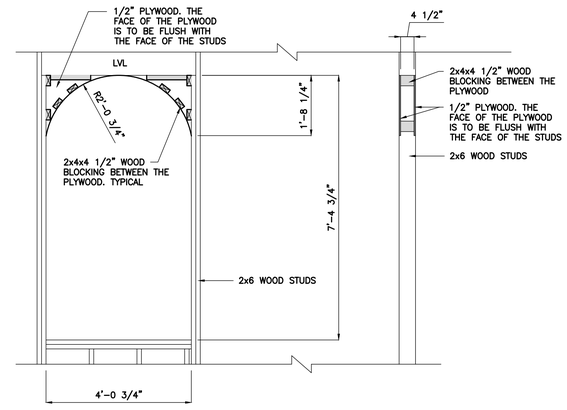
DOOR/WINDOW FRAMING DETAIL 4
SCALE: 1/2"=1'-0"



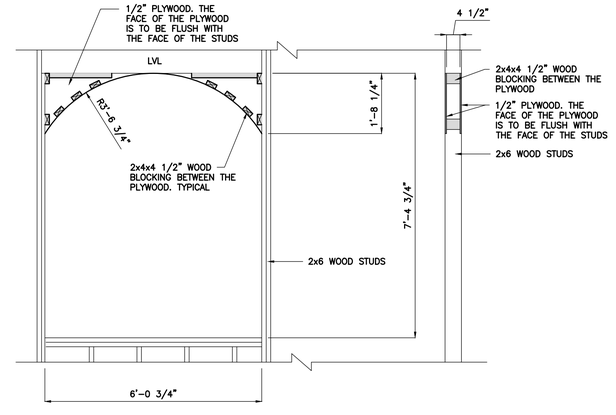
WINDOW FRAMING DETAIL 1 – ROUGH OPENING: 96.75"x88.75"
SCALE: 1/2"=1'-0"



DOOR/WINDOW FRAMING DETAIL 5
SCALE: 1/2"=1'-0"



WINDOW FRAMING DETAIL 2 – ROUGH OPENING: 48.75"x88.75"
SCALE: 1/2"=1'-0"



WINDOW FRAMING DETAIL 3 – ROUGH OPENING: 72.75"x88.75"
SCALE: 1/2"=1'-0"

REVISION
03.09.23 added detail 6, revised detail 4

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6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Window Framing Details

Job No.	Date Stamped	
21081	01.11.23	
Drawn By	Checked By	Scale:
kt	mjt	1/2"=1'-0"

CAD FILE:
G:\21081\a201 window framing details.dwg

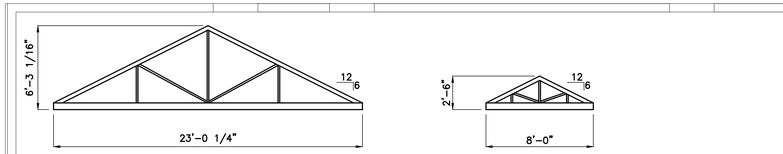
TRENT A. BAXTER REGISTERED No 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER

CERTIFIED BY:

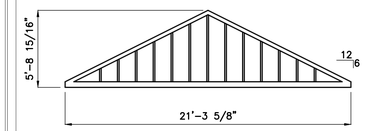
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SHEET TITLE:

A201

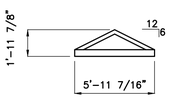


TRUSS "A" DETAIL
scale: 3/16"=1'-0"



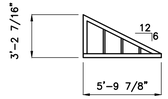
TRUSS "B" DETAIL – END TRUSS
scale: 3/16"=1'-0"

TRUSS "D" DETAIL
scale: 3/16"=1'-0"

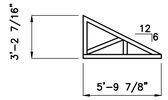


TRUSS "C" DETAIL – END TRUSS
scale: 3/16"=1'-0"

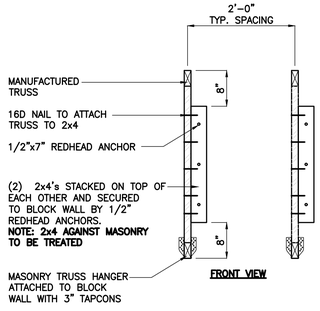
TRUSS LOAD
25lb SNOW
20lb LIVE
20lb DEAD

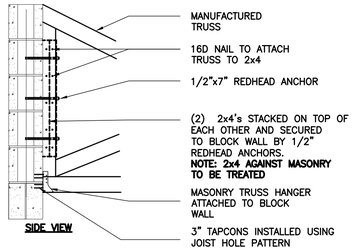


TRUSS "E" DETAIL – END TRUSS
scale: 3/16"=1'-0"

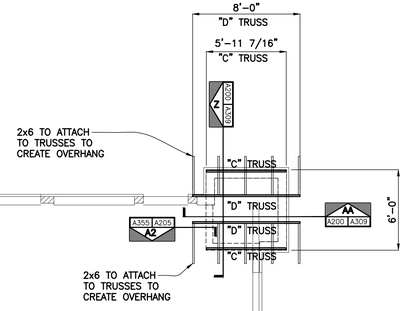


TRUSS "F" DETAIL
scale: 3/16"=1'-0"

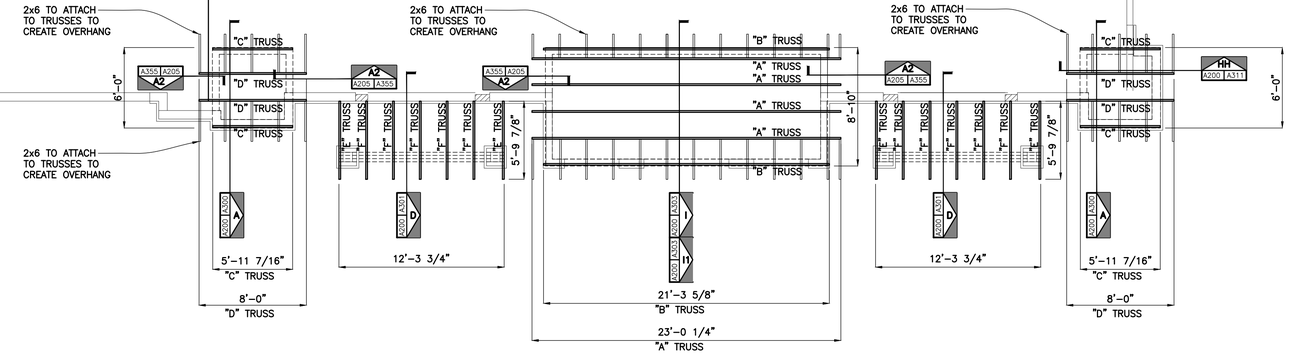




TRUSS 'E' &'F" ATTACHMENT APPLICATION DETAIL
scale: n.t.s.



2'-0" ROOF STEP



N

REVISION

VERSATILE CONSTRUCTION GROUP, LLC.
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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Roof Framing Plan

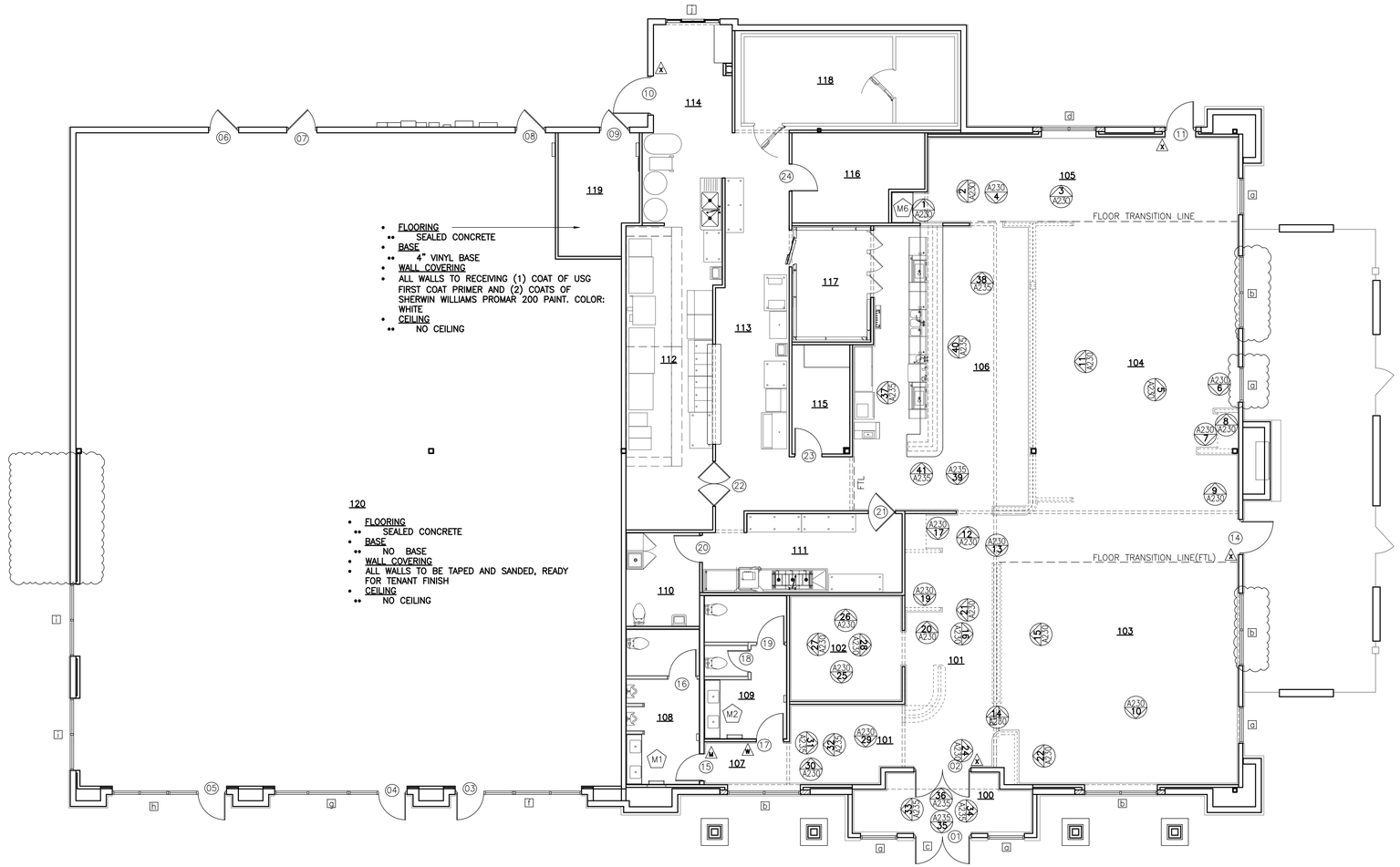
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

CAD FILE:
G:\21081\a205 roof framing plan.dwg

TRENT A. BAXTER
REGISTERED
No. 19700309
STATE OF INDIANA
PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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SHEET TITLE:
A205



- FLOORING
  - SEALED CONCRETE
- BASE
  - 4" VINYL BASE
- WALL COVERING
- ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT. COLOR: WHITE
- CEILING
  - NO CEILING

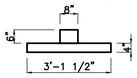
- FLOORING
  - SEALED CONCRETE
- BASE
  - NO BASE
- WALL COVERING
- ALL WALLS TO BE TAPED AND SANDED, READY FOR TENANT FINISH
- CEILING
  - NO CEILING

FINISH PLAN
scale: nts

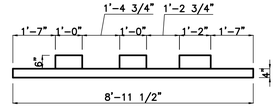
OUTDOOR FIREPLACE CHIMNEY CAP

20ga. STAINLESS STEEL TO COVER THE TOP OF THE CHIMNEY AND EXTEND 4" DOWN ALL SIDES WITH (3)8"x12"x6" FAUX CHIMNEY STACKS

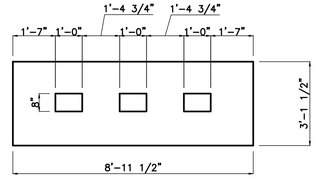
SIDE ELEVATION



SIDE ELEVATION



PLAN VIEW



BRAILLE SIGNAGE

A — ADA APPROVED EXIT SIGN

TACTILE CHARACTERS ON THE SIGN SHALL BE LOCATED 48" MINIMUM ABOVE THE FINISH FLOOR SURFACE, MEASURED FROM THE BASELINE OF HTE LOWEST TACTILE CHARACTER AND 60" MAXIMUM ABOVE THE FINISH FLOOR MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER

A/M — ADA APPROVED MEN(M) AND WOMENS(M) RESTROOM SIGN

MOUNTING LOCATION SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. THE SIGN SHALL BE MOUNTED NEXT TO THE LATCH SIDE OF THE DOOR ON THE WALL

WINDOW AND DOOR FINISH

- ALL EXTERIOR WINDOWS AND DOORS TO BE DOUBLE STAINED AND VARNISHED.
- INTERIOR VESTIBULE, RESTROOM AND OFFICE DOORS TO BE DOUBLE STAINED AND VARNISHED.

EXTERIOR FINISH NOTES

1. EACH CEDAR TRELLIS TO BE STAINED WITH MINWAX EBONY STAIN AND ZAR EXTERIOR WATER BASE POLY HIGH PERFORMANCE. APPLY PER PRODUCT SPECIFICATIONS
2. EACH CEDAR VIGA TO BE STAINED MINWAX EBONY STAIN AND ZAR EXTERIOR WATER BASE POLY HIGH PERFORMANCE. APPLY PER PRODUCT SPECIFICATIONS
3. EXTERIOR WOOD DOORS TO BE STAINED MINWAX EBONY STAIN AND ZAR EXTERIOR WATER BASE POLY HIGH PERFORMANCE. APPLY PER PRODUCT SPECIFICATIONS

FINISH NOTES

□ SEE WINDOW SCHEDULE SHEET A215

○ SEE DOOR SCHEDULE SHEET A220

⬠ SEE MILLWORK DETAILS SHEET A225

ROOM 100 – VESTIBULE

- FLOORING
  - POLISHED CONCRETE
- BASE
  - NO BASE
- WALL COVERING
  - PAINT (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT FROM 12'AFF TO 16'AFF. COLOR BY OWNER
  - INSTALL BRICK AND STONE FROM FF TO 12'AFF. BRICK AND STONE MFG: J&N STONE
    - BRICK & 5% STONE VENEER MIXED IN
    - BRICK STYLE: BRICK–EASE AUTUMN
    - STONE STONE: QUARTZ–PRICE
- CEILING
  - 2x2 SUSPENDED CEILING @16'AFF
    - ARMSTRONG PRELUDE XL 15/16 WHITE CEILING GRID
    - 1732 5/8" ARMSTRONG CEILING TILES
    - SQUARE LAY–IN 15/16

ROOM 101 – POS/WAITING

- FLOORING
  - POLISHED CONCRETE
- BASE
  - NO BASE
- WALL COVERING
  - PAINT (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT FROM 4'AFF TO DECK. COLOR BY OWNER
  - INSTALL BRICK AND STONE FROM FF TO 4'AFF. BRICK AND STONE MFG: J&N STONE
    - BRICK & 5% STONE VENEER MIXED IN
    - BRICK STYLE: BRICK–EASE AUTUMN
    - STONE STONE: QUARTZ–PRICE
- CEILING
  - OPEN CEILING
  - LATEX DRY FOG PAINT – BLACK

ROOM 102 – DINING

- FLOORING
  - CARPET – TYPE BY OWNER
- BASE
  - NO BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT FROM 4'AFF TO DECK. COLOR BY OWNER
  - INSTALL BRICK AND STONE FROM FF TO 4'AFF. BRICK AND STONE MFG: J&N STONE
    - BRICK & 5% STONE VENEER MIXED IN
    - BRICK STYLE: BRICK–EASE AUTUMN
    - STONE STONE: QUARTZ–PRICE
- CEILING
  - OPEN CEILING
  - SEMI–GLOSS DRY FOG PAINT – BLACK

ROOM 103 – DINING

- FLOORING
  - CARPET – TYPE BY OWNER
- BASE
  - NO BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT FROM 4'AFF TO DECK. COLOR BY OWNER
  - INSTALL BRICK AND STONE FROM FF TO 4'AFF. BRICK AND STONE MFG: J&N STONE
    - BRICK & 5% STONE VENEER MIXED IN
    - BRICK STYLE: BRICK–EASE AUTUMN
    - STONE STONE: QUARTZ–PRICE
- CEILING
  - OPEN CEILING
  - SEMI–GLOSS DRY FOG PAINT – BLACK

ROOM 104 – DINING

- FLOORING
  - POLISHED CONCRETE
- BASE
  - NO BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT FROM 4'AFF TO DECK. COLOR BY OWNER
  - INSTALL BRICK AND STONE FROM FF TO 4'AFF. BRICK AND STONE MFG: J&N STONE
    - BRICK & 5% STONE VENEER MIXED IN
    - BRICK STYLE: BRICK–EASE AUTUMN
    - STONE STONE: QUARTZ–PRICE
- CEILING
  - OPEN CEILING
  - SEMI–GLOSS DRY FOG PAINT – BLACK

ROOM 105 – DINING

- FLOORING
  - CARPET – TYPE BY OWNER
- BASE
  - NO BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT FROM 4'AFF TO DECK. COLOR BY OWNER
  - INSTALL BRICK AND STONE FROM FF TO 4'AFF. BRICK AND STONE MFG: J&N STONE
    - BRICK & 5% STONE VENEER MIXED IN
    - BRICK STYLE: BRICK–EASE AUTUMN
    - STONE STONE: QUARTZ–PRICE
- CEILING
  - OPEN CEILING
  - SEMI–GLOSS DRY FOG PAINT – BLACK

ROOM 106 – BAR

- FLOORING
  - POLISHED CONCRETE
- BASE
  - NO BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT FROM 4'AFF TO DECK. COLOR BY OWNER
  - INSTALL BRICK AND STONE FROM FF TO 4'AFF. BRICK AND STONE MFG: J&N STONE. WEST WALL TO HAVE BRICK AND STONE MIXTURE TO 12'AFF.
    - BRICK & 5% STONE VENEER MIXED IN
    - BRICK STYLE: BRICK–EASE AUTUMN
    - STONE STONE: QUARTZ–PRICE
- CEILING
  - OPEN CEILING
  - SEMI–GLOSS DRY FOG PAINT – BLACK

ROOM 107 – HALL

- FLOORING
  - POLISHED CONCRETE
- BASE
  - NO BASE
- WALL COVERING
  - PAINT (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT FROM 4'AFF TO DECK. COLOR BY OWNER
  - INSTALL BRICK AND STONE FROM FF TO 4'AFF. BRICK AND STONE MFG: J&N STONE
    - BRICK & 5% STONE VENEER MIXED IN
    - BRICK STYLE: BRICK–EASE AUTUMN
    - STONE STONE: QUARTZ–PRICE
- CEILING
  - 2x2 SUSPENDED @10'–0" A.F.F.
  - ARMSTRONG PRELUDE XL 15/16" WHITE CEILING GRID.
  - 1732 5/8" ARMSTRONG CEILING TILES. COLOR: WHITE

ROOMS 108 & 109 – MEN'S & WOMEN'S RESTROOM

- FLOORING
  - CERAMIC TILE
- BASE
  - CERAMIC BASE – COLOR BY OWNER
- WALL COVERING
  - CERAMIC WALL TILE TO 10'–0" A.F.F.
- CEILING
  - 2x2 SUSPENDED @10'–0" A.F.F.
  - ARMSTRONG PRELUDE XL 15/16" WHITE CEILING GRID.
  - 1732 5/8" ARMSTRONG CEILING TILES. COLOR: WHITE
- MISC.
  - BUILT–IN PARTITIONS
  - TOILET PAPER DISPENSER. BRADLEY 5263
  - WALL MOUNTED SOAP DISPENSER. BRADLEY 6563
  - WALL MOUNTED C–FOLD PAPER DISPENSER. BRADLEY 520–15
  - (2)18"x36" CHANNEL FRAMED MIRROR. BRADLEY 781–1836
  - DOUBLE TOILET PAPER DISPENSER
  - (1) 36" HORIZONTAL GRAB BAR
  - (1) 48" HORIZONTAL GRAB BAR
  - (1) 18" VERTICAL GRAB BAR
  - TRASH RECEPTACLE

ROOM 110 – EMPLOYEE RESTROOM

- FLOORING
  - QUARRY TILE
    - HIGH PERFORMANCE, 100% SOLIDS, INDUSTRIAL GRADE EPOXY GROUT(RED)
- BASE
  - 4" VINYL BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT. COLOR BY OWNER
  - WHITE FRP TO 48" A.F.F.
- CEILING
  - 2x4 SUSPENDED CEILING @10'–0" A.F.F.
  - ARMSTRONG PRELUDE XL 15/16" WHITE CEILING GRID.
  - 1732 5/8" ARMSTRONG CEILING TILES. COLOR: WHITE

ROOM 111 – DISH WASHING

- FLOORING
  - QUARRY TILE
    - HIGH PERFORMANCE, 100% SOLIDS, INDUSTRIAL GRADE EPOXY GROUT(RED)
- BASE
  - 4" QUARRY TILE
- WALL COVERING
  - STAINLESS STEEL APPLIED ON ALL WALLS TO 10'–0" A.F.F.
- CEILING
  - 2x4 SUSPENDED CEILING @10'–0" A.F.F.
  - ARMSTRONG AL PRELUDE PLUS XL ALUMINUM 15/16" WHITE CEILING GRID.
  - ARMSTRONG KITCHEN ZONE: 673 TILES. COLOR: WHITE

ROOM 112 & 113 – KITCHEN

- FLOORING
  - QUARRY TILE
    - HIGH PERFORMANCE, 100% SOLIDS, INDUSTRIAL GRADE EPOXY GROUT(RED)
- BASE
  - 4" QUARRY TILE
- WALL COVERING
  - STAINLESS STEEL APPLIED ON ALL WALLS TO 10'–0" A.F.F.
- CEILING
  - 2x4 SUSPENDED CEILING @10'–0" A.F.F.
  - ARMSTRONG AL PRELUDE PLUS XL ALUMINUM 15/16" WHITE CEILING GRID.
  - ARMSTRONG KITCHEN ZONE: 673 TILES. COLOR: WHITE

ROOM 114 – TAKEOUT

- FLOORING
  - QUARRY TILE
    - HIGH PERFORMANCE, 100% SOLIDS, INDUSTRIAL GRADE EPOXY GROUT(RED)
- BASE
  - 4" QUARRY TILE
- WALL COVERING
  - STAINLESS STEEL APPLIED ON ALL WALLS TO 10'–0" A.F.F.
- CEILING
  - 2x4 SUSPENDED CEILING @10'–0" A.F.F.
  - ARMSTRONG AL PRELUDE PLUS XL ALUMINUM 15/16" WHITE CEILING GRID.
  - ARMSTRONG KITCHEN ZONE: 673 TILES. COLOR: WHITE

ROOM 115 – OFFICE

- FLOORING
  - QUARRY TILE
    - HIGH PERFORMANCE, 100% SOLIDS, INDUSTRIAL GRADE EPOXY GROUT(RED)
- BASE
  - 4" VINYL BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT. COLOR BY OWNER
- CEILING
  - 2x4 SUSPENDED CEILING @10'–0" A.F.F.
  - ARMSTRONG PRELUDE XL 15/16" WHITE CEILING GRID.
  - 1732 5/8" ARMSTRONG CEILING TILES. COLOR: WHITE

ROOM 116 – STORAGE

- FLOORING
  - QUARRY TILE
    - HIGH PERFORMANCE, 100% SOLIDS, INDUSTRIAL GRADE EPOXY GROUT(RED)
- BASE
  - 4" VINYL BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER AND (2) COATS OF SHERWIN WILLIAMS PROMAR 200 PAINT. COLOR BY OWNER
- CEILING
  - 2x4 SUSPENDED CEILING @10'–0" A.F.F.
  - ARMSTRONG PRELUDE XL 15/16" WHITE CEILING GRID.
  - 1732 5/8" ARMSTRONG CEILING TILES. COLOR: WHITE

ROOM 117 & 118 – BAR & KITCHEN COOLER

- FLOORING
  - SEALED CONCRETE
- BASE
  - NO BASE
- WALL COVERING
  - ALL WALLS TO RECEIVING (1) COAT OF USG FIRST COAT PRIMER
- CEILING
  - NO CEILING

N

REVISION

06.07.22 added interior elevation views
01.11.23 West wall window j removed
02.10.23 M–4,5 &6 BY TENANT
03.09.23 window e changed to b on the East wall
03.09.23 door 12 changed to window b on the East wall
03.09.23 door 13 changed to window a on the East wall

VERSATILE CONSTRUCTION GROUP, LLC.
570 East Tracy Road, Suite 610
New Whiteland, Indiana 46184
Ph: 317.535.3579 Fax: 317.535.3581
email: info@versatile–llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Finish Plan

Job No.	Date Stamped
21081	05.06.22

Drawn By	Checked By	Scale:
kt	mjt	3/16"=1'–0"

CAD FILE:
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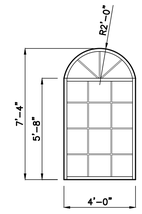
TRENT A. BAXTER REGISTERED No 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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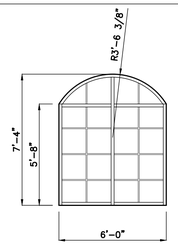
A210

PELLA WINDOW & DOOR TRANSOM DETAILS



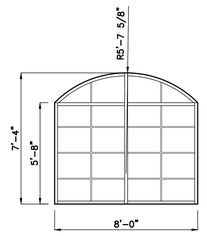
WINDOW a

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE BRONZE ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



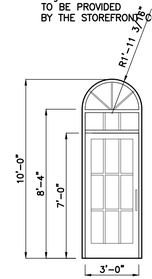
WINDOW d

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE BRONZE ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



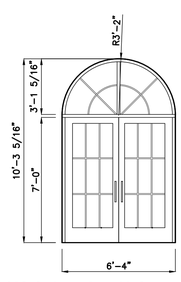
WINDOW b

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE BRONZE ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



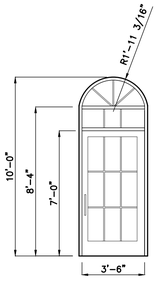
DOOR 11

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE BRONZE ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- DOOR GLASS TO BE 3/4" INSULATED GLASS. GLASS TO START 10" ABOVE THE BOTTOM OF THE DOOR
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



WINDOW c / DOOR 01

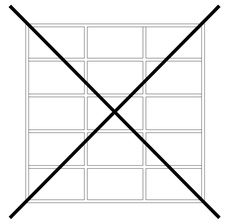
NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE BRONZE ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- DOOR GLASS TO BE 3/4" INSULATED GLASS. GLASS TO START 10" ABOVE THE BOTTOM OF THE DOOR
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



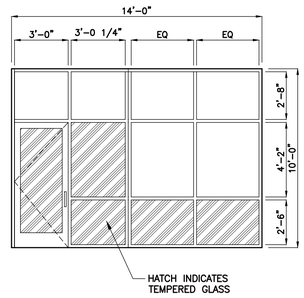
DOOR 14

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE BRONZE ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- DOOR GLASS TO BE 3/4" INSULATED GLASS. GLASS TO START 10" ABOVE THE BOTTOM OF THE DOOR
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR

STOREFRONT WINDOW DETAILS

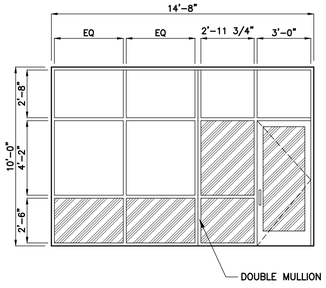


WINDOW 'e' – REMOVED



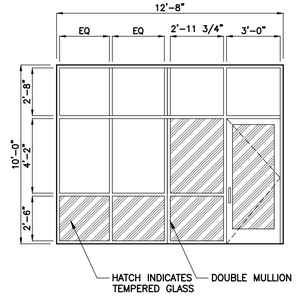
WINDOW 'f'

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE CLEAR ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- DOOR GLASS TO BE 3/4" INSULATED GLASS. GLASS TO START 10" ABOVE THE BOTTOM OF THE DOOR
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



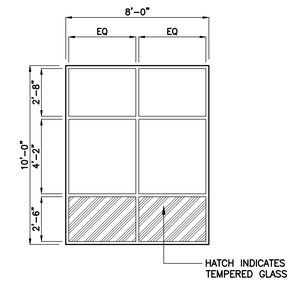
WINDOW 'g'

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE CLEAR ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- DOOR GLASS TO BE 3/4" INSULATED GLASS. GLASS TO START 10" ABOVE THE BOTTOM OF THE DOOR
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



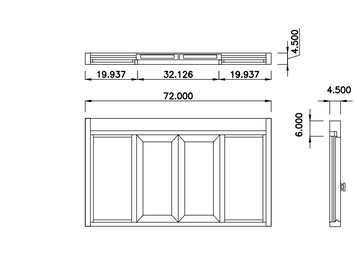
WINDOW 'h'

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE CLEAR ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- DOOR GLASS TO BE 3/4" INSULATED GLASS. GLASS TO START 10" ABOVE THE BOTTOM OF THE DOOR
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



WINDOW 'i'

NOTES:
- WINDOW FRAME TO BE 1 3/4"x 4 1/2" THERMAL BREAK
- WINDOW FRAME FINISH TO BE CLEAR ANODIZED ALUMINUM
- 1" INSULATED GLASS.
- CLEAR SOFT COAT LOW-E
- GUARDIAN SX68 OR PPG SOLARBAN 60
- CONTRACTOR TO FIELD VERIFY STOREFRONT OPENING DIMENSIONS PRIOR TO FABRICATION
- 24ga. ALUMINUM WINDOW FLASHING TO BE PROVIDED BY THE STOREFRONT CONTRACTOR



WINDOW 'j'–READY ACCESS 606–72 INSULATED BI–PARING WINDOW

NOTES:
- 30"W X 32"H SERVICE OPENING
- WINDOW FRAME TO BRONZE ANODIZED ALUMINUM

REVISION
- 05.11.22 windows e–j finish revised
- 05.13.22 windows e finish revised
- 03.09.23 window e removed
- 03.09.23 door 14 added and 11 revised
- 03.21.23 windows a, b, c, d & j revised
- 03.21.23 doors 01, 11 & 14 revised

VERSATILE CONSTRUCTION GROUP, LLC.
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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Window Schedule

Job No.	Date Stamped
21081	05.06.22
Drawn By: jat	Checked By: mjt
Scale: 1/4"=1'-0"	

CAD FILE:
G:\21081\a215 window schedule.dwg

TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A. Baxter
CERTIFIED BY:

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SHEET TITLE:

A215

INTERIOR DOOR SCHEDULE

DOOR 15 (MEN'S RESTROOM)

3'-0"x7'-0" RAISED 8 PANEL
SOLID CORE WOOD DOOR

LEFT HAND SWING

PELLA SIX PANEL DOOR. SEE PELLA CUT SHEET FOR INFORMATION
- 1 1/2" PAIR BUTTS 4 1/2"x4 1/2"
- ADA APPROVED CLOSER
- SATIN NICKEL PASSAGE LEVER
- WALL STOP

DOOR 16 (RR PARTITION)

3'-0"x7'-0" PRE-FINISHED
SOLID CORE WOOD DOOR
BOTTOM 12" OF DOOR TO BE CUT TO MATCH THE HEIGHT OF THE BOTTOM OF THE RESTROOM PARTITION

METAL FRAME:
TIMELY KNOCK DOWN
DOOR FINISH:
PRE-FINISHED BIRCH

- 1 1/2" PAIR BUTTS 4 1/2"x4 1/2"
- SATIN NICKEL PRIVACY LEVER
- WALL STOP

DOOR 17 (WOMEN's RESTROOM)

3'-0"x7'-0" RAISED 8 PANEL
SOLID CORE WOOD DOOR

RIGHT HAND SWING

PELLA SIX PANEL DOOR. SEE PELLA CUT SHEET FOR INFORMATION
- 1 1/2" PAIR BUTTS 4 1/2"x4 1/2"
- ADA APPROVED CLOSER
- SATIN NICKEL PASSAGE LEVER
- WALL STOP

DOOR 18 (RR PARTITION)

2'-4"x7'-0" PRE-FINISHED
SOLID CORE WOOD DOOR
BOTTOM 12" OF DOOR TO BE CUT TO MATCH THE HEIGHT OF THE BOTTOM OF THE RESTROOM PARTITION

METAL FRAME:
TIMELY KNOCK DOWN
DOOR FINISH:
PRE-FINISHED BIRCH

- 1 1/2" PAIR BUTTS 4 1/2"x4 1/2"
- SATIN NICKEL PRIVACY LEVER
- WALL STOP

DOOR 19 (RR PARTITION)

3'-0"x7'-0" PRE-FINISHED
SOLID CORE WOOD DOOR
BOTTOM 12" OF DOOR TO BE CUT TO MATCH THE HEIGHT OF THE BOTTOM OF THE RESTROOM PARTITION

METAL FRAME:
TIMELY KNOCK DOWN
DOOR FINISH:
PRE-FINISHED BIRCH

- 1 1/2" PAIR BUTTS 4 1/2"x4 1/2"
- SATIN NICKEL PRIVACY LEVER
- WALL STOP

DOOR 20 (EMPLOYEE RESTROOM)

3'-0"x7'-0" PRE-FINISHED
SOLID CORE WOOD DOOR

RIGHT HAND SWING

METAL FRAME:
TIMELY KNOCK DOWN
DOOR FINISH:
PRE-FINISHED BIRCH

- 1 1/2" PAIR BUTTS 4 1/2"x4 1/2"
- ADA APPROVED CLOSER
- SATIN NICKEL PRIVACY LEVER
- WALL STOP

DOOR 21

3'-0"x7'-0" ELIASON DOOR

SCP-4 ALUMINUM TRAFFIC DOOR
Baseplate: 12" high stainless steel (both sides)
Finish: full length satin anodized aluminum panel (both sides)
Hinge: Eliason Easy Swing Hinge Sytem
Window: Standard 9"x14" clear acrylic set in black rubber moulding

DOOR 22

PAIR 2'-6"x7'-0" ELIASON DOORS

SCP-4 ALUMINUM TRAFFIC DOOR
Baseplate: 12" high stainless steel (both sides)
Finish: full length satin anodized aluminum panel (both sides)
Hinge: Eliason Easy Swing Hinge Sytem
Window: Standard 9"x14" clear acrylic set in black rubber moulding

DOOR 23 (OFFICE DOOR)

3'-0"x7'-0" PRE-FINISHED
SOLID CORE WOOD DOOR

LEFT HAND SWING

METAL FRAME:
TIMELY KNOCK DOWN
DOOR FINISH:
PRE-FINISHED BIRCH

- 1 1/2" PAIR BUTTS 4 1/2"x4 1/2"
- ADA APPROVED CLOSER
- SATIN NICKEL KEYED LEVER
- WALL STOP

DOOR 24 (DRY STORAGE)

3'-0"x7'-0" PRE-FINISHED
SOLID CORE WOOD DOOR

RIGHT HAND SWING

METAL FRAME:
TIMELY KNOCK DOWN
DOOR FINISH:
PRE-FINISHED BIRCH

- 1 1/2" PAIR BUTTS 4 1/2"x4 1/2"
- ADA APPROVED CLOSER
- SATIN NICKEL PASSAGE LEVER
- WALL STOP

EXTERIOR DOOR SCHEDULE

DOOR 01

PAIR 3'-0"x7'-0"
(tempered) Low E Glass 3/4" Insulated Glass
Door Swing: Left Hand
Door Finish: Storefront Aluminum (clear anodized aluminum)
Frames: Thermal break aluminum (aluminum frames)

1 1/2 pair butts 4-1/2"x4-1/2"
Panic hardware with lockout & pull handle
Threshold
Bottom sweep with rubber seal
Weather stripping
ADA approved door closer

Glass to start a minimum of 10" above the bottom of the door frame

DOOR 02

PAIR OF 3'-0"x7'-0"
SOLID CORE WOOD DOOR W/TRANSOM WINDOW

SEE PELLA CUT SHEETS FOR DOOR INFORMATION

- 1½ PAIR BUTTS 4½"x4½"
- PANIC HARDWARE W/LOCKOUT & PULL HANDLES
- THRESHOLD
- WEATHER STRIPPING
- ADA APPROVED CLOSERS

DOOR 03

3'-0"x7'-0"
(tempered) Low E Glass 3/4" Insulated Glass
Door Swing: Left Hand
Door Finish: Storefront Aluminum (clear anodized aluminum)
Frames: Thermal break aluminum (aluminum frames)

1 1/2 pair butts 4-1/2"x4-1/2"
Panic hardware with lockout & pull handle
Threshold
Bottom sweep with rubber seal
Weather stripping
ADA approved door closer

Glass to start a minimum of 10" above the bottom of the door frame

DOOR 04

3'-0"x7'-0"
(tempered) Low E Glass 3/4" Insulated Glass
Door Swing: Right Hand
Door Finish: Storefront Aluminum (clear anodized aluminum)
Frames: Thermal break aluminum (aluminum frames)

1 1/2 pair butts 4-1/2"x4-1/2"
Panic hardware with lockout & pull handle
Threshold
Bottom sweep with rubber seal
Weather stripping
ADA approved door closer

Glass to start a minimum of 10" above the bottom of the door frame

DOOR 05

3'-0"x7'-0"
(tempered) Low E Glass 3/4" Insulated Glass
Door Swing: Right Hand
Door Finish: Storefront Aluminum (clear anodized aluminum)
Frames: Thermal break aluminum (aluminum frames)

1 1/2 pair butts 4-1/2"x4-1/2"
Panic hardware with lockout & pull handle
Threshold
Bottom sweep with rubber seal
Weather stripping
ADA approved door closer

Glass to start a minimum of 10" above the bottom of the door frame

DOOR 06

3'-0"x7'-0" (rear exit)
Right Hand Swing

Insulated metal door with:
Metal welded frame with 4" header (primed)(field painted)
2 coats of enamel
Color: T.B.D.

Door exterior finish:
Primed steel field painted
2 coats of enamel
Color: T.B.D.

(3) 4" square stainless steel hinges
Panic hardware w/ levered keyed entry
Threshold with center rubber
Bottom sweep
Weather stripping
Drip Cap
ADA approved door closer

DOOR 07

3'-0"x7'-0" (rear exit)
Left Hand Swing

Insulated metal door with:
Metal welded frame with 4" header (primed)(field painted)
2 coats of enamel
Color: T.B.D.

Door exterior finish:
Primed steel field painted
2 coats of enamel
Color: T.B.D.

(3) 4" square stainless steel hinges
Panic hardware w/ levered keyed entry
Threshold with center rubber
Bottom sweep
Weather stripping
Drip Cap
ADA approved door closer

DOOR 08

3'-0"x7'-0" (rear exit)
Right Hand Swing

Insulated metal door with:
Metal welded frame with 4" header (primed)(field painted)
2 coats of enamel
Color: T.B.D.

Door exterior finish:
Primed steel field painted
2 coats of enamel
Color: T.B.D.

(3) 4" square stainless steel hinges
Panic hardware w/ levered keyed entry
Threshold with center rubber
Bottom sweep
Weather stripping
Drip Cap
ADA approved door closer

DOOR 09

3'-0"x7'-0" (rear exit)
Right Hand Swing

Insulated metal door with:
Metal welded frame with 4" header (primed)(field painted)
2 coats of enamel
Color: T.B.D.

Door exterior finish:
Primed steel field painted
2 coats of enamel
Color: T.B.D.

(3) 4" square stainless steel hinges
Panic hardware w/ levered keyed entry
Threshold with center rubber
Bottom sweep
Weather stripping
Drip Cap
ADA approved door closer

DOOR 10

4'-0"x7'-0" (rear exit)
Left Hand Swing

Insulated metal door with:
Metal welded frame with 4" header (primed)(field painted)
2 coats of enamel
Color: T.B.D.

Door exterior finish:
Primed steel field painted
2 coats of enamel
Color: T.B.D.

(3) 4" square stainless steel hinges
Panic hardware w/ levered keyed entry
Threshold with center rubber
Bottom sweep
Weather stripping
Drip Cap
ADA approved door closer

DOOR 11

3'-0"x7'-0"
SOLID CORE WOOD DOOR W/TRANSOM WINDOW

RIGHT HAND SWING

SEE PELLA CUT SHEETS FOR DOOR INFORMATION

- 1½ PAIR BUTTS 4½"x4½"
- PANIC HARDWARE W/LOCKOUT & PULL HANDLES
- THRESHOLD
- WEATHER STRIPPING
- ADA APPROVED CLOSERS

DOOR 12
REMOVED

DOOR 13
REMOVED

DOOR 14

3'-6"x7'-0"
SOLID CORE WOOD DOOR W/TRANSOM WINDOW

LEFT HAND SWING

SEE PELLA CUT SHEETS FOR DOOR INFORMATION

- 1½ PAIR BUTTS 4½"x4½"
- PANIC HARDWARE W/LOCKOUT & PULL HANDLES
- AUTOMATIC DOOR OPENER
- THRESHOLD
- WEATHER STRIPPING
- ADA APPROVED CLOSERS

REVISION
01.12.23 door 12 revised to 8' wide
03.09.23 doors 12 & 13 removed
03.09.23 door 14 revised
03.21.23 door 01 revised

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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Door Schedule

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	mjt	1/4"=1'-0"

CAD FILE:
G:\21081\a220 door schedule.dwg

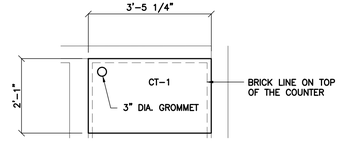
TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A. Baxter
CERTIFIED BY:

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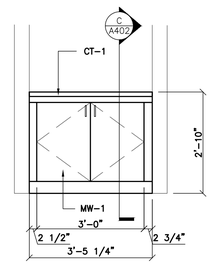
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A220

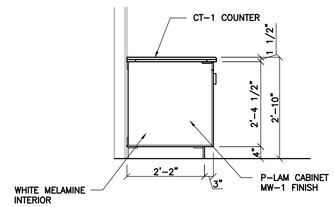
MILLWORK DETAIL M6 DINING ROOM 105



A PLAN VIEW – DINING 105
scale: 1/2"=1'-0"

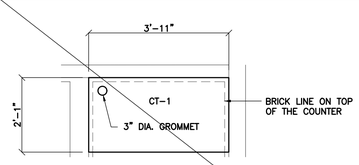


A ELEVATION VIEW – DINING 105
scale: 1/2"=1'-0"

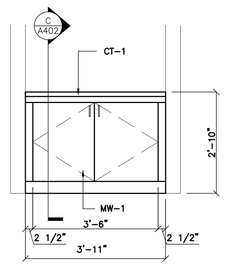


C SECTION – DINING 104
scale: 1/2"=1'-0"

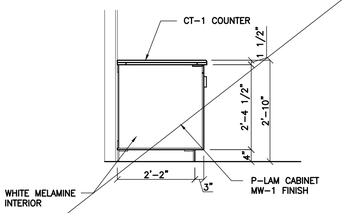
MILLWORK DETAIL M5 – BY TENANT DINING ROOM 104



A PLAN VIEW – DINING 104
scale: 1/2"=1'-0"

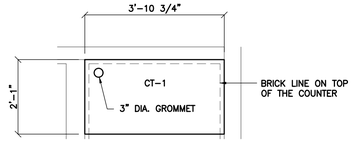


A ELEVATION VIEW – DINING 104
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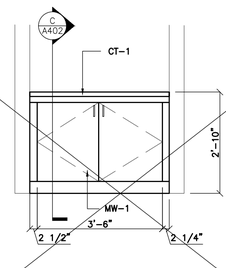


C SECTION – DINING 104
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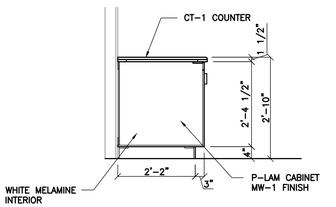
MILLWORK DETAIL M4 – BY TENANT DINING 104



A PLAN VIEW – DINING 104
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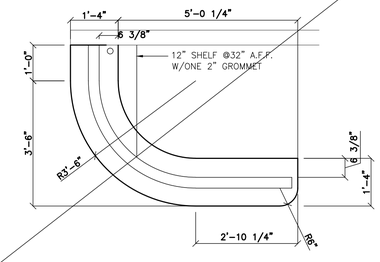


A ELEVATION VIEW – DINING 104
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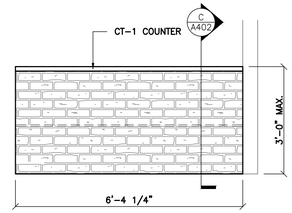


C SECTION – DINING 104
scale: 1/2"=1'-0"

MILLWORK DETAIL M3 – BY TENANT POS 101



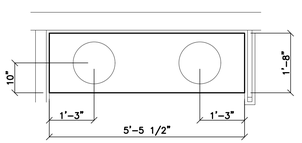
A PLAN VIEW – POS 101
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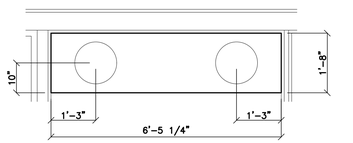
B ELEVATION VIEW – POS 101
scale: 1/2"=1'-0"

C SECTION – POS 101
scale: 1/2"=1'-0"

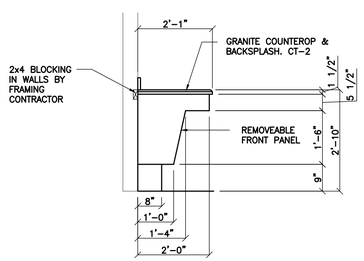
MILLWORK DETAIL M1 & M2 MENS RESTROOM 108 & WOMENS RESTROOM 109



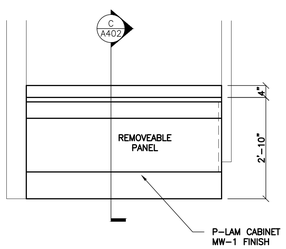
A PLAN VIEW – MENS RESTROOM 108
scale: 1/2"=1'-0"



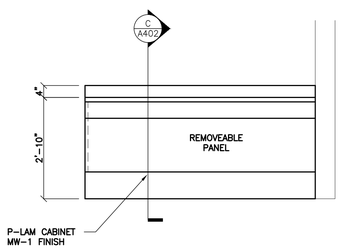
A PLAN VIEW – WOMENS RESTROOM 109
scale: 1/2"=1'-0"



C SECTION – RESTROOM 106 & 107
scale: 1/2"=1'-0"



B ELEVATION VIEW – MENS RESTROOM 108
scale: 1/2"=1'-0"



B ELEVATION VIEW – WOMENS RESTROOM 109
scale: 1/2"=1'-0"

FINISHES

MILLWORK	MATERIAL	FINISH	NOTES
MW-1	MAPLE VENEER OR SOLID	CLEAR SATIN	

COUNTERTOP	MATERIAL	FINISH	NOTES
CT-1	GRANITE	BY OWNER	
CT-2	STAINLESS STEEL	BY OWNER	

NOTE:

RESTROOM SINKS SHALL BE UNDER MOUNTED TYPES, NOT DROP-INS.

REVISION
02.10.23 REVISED PER TENANT

VERSATILE CONSTRUCTION GROUP, LLC.
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New Whiteland, Indiana 46184
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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Millwork Details

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
ket	m.tworek	1/2"=1'-0"

CAD FILE:
G:\21081\a225 millwork details.dwg

TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER

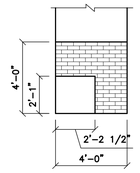
Trent A Baxter

CERTIFIED BY:

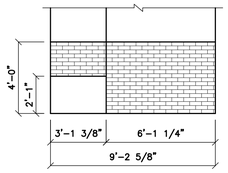
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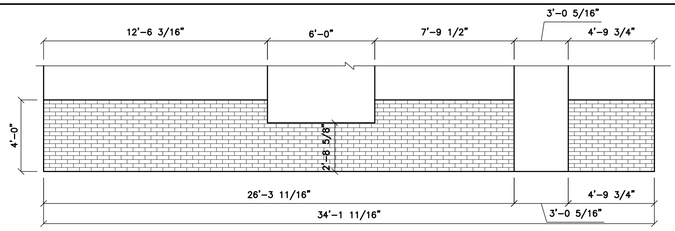
A225



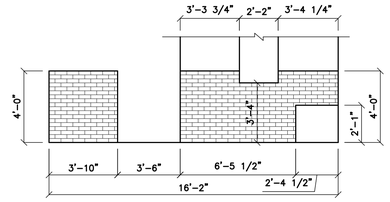
INTERIOR ELEVATION VIEW – 1
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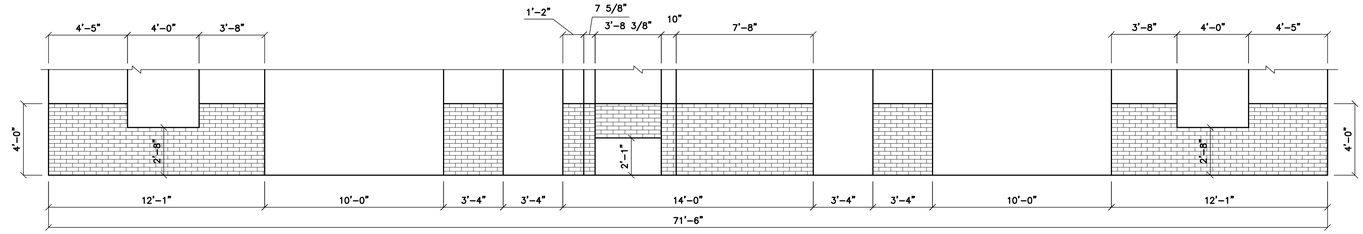
INTERIOR ELEVATION VIEW – 2
scale: 1/4"=1'-0"



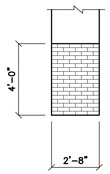
INTERIOR ELEVATION VIEW – 3
scale: 1/4"=1'-0"



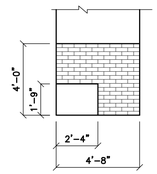
INTERIOR ELEVATION VIEW – 4
scale: 1/4"=1'-0"



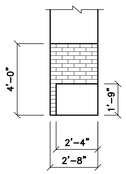
INTERIOR ELEVATION VIEW – 5
scale: 1/4"=1'-0"



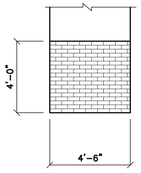
INTERIOR ELEVATION VIEW – 6
scale: 1/4"=1'-0"



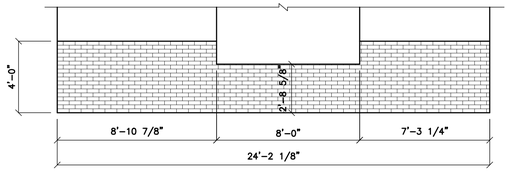
INTERIOR ELEVATION VIEW – 7
scale: 1/4"=1'-0"



INTERIOR ELEVATION VIEW – 8
scale: 1/4"=1'-0"



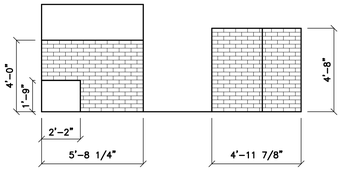
INTERIOR ELEVATION VIEW – 9
scale: 1/4"=1'-0"



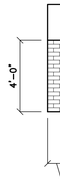
INTERIOR ELEVATION VIEW – 10
scale: 1/4"=1'-0"



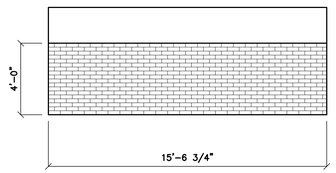
INTERIOR ELEVATION VIEW – 11
scale: 1/4"=1'-0"



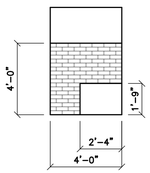
INTERIOR ELEVATION VIEW – 12
scale: 1/4"=1'-0"



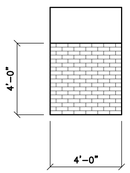
INTERIOR ELEVATION VIEW – 13 & 14
scale: 1/4"=1'-0"



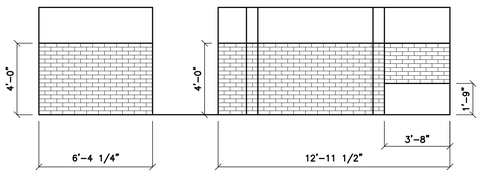
INTERIOR ELEVATION VIEW – 15 & 16
scale: 1/4"=1'-0"



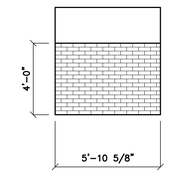
INTERIOR ELEVATION VIEW – 17
scale: 1/4"=1'-0"



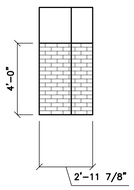
INTERIOR ELEVATION VIEW – 18,19 & 20
scale: 1/4"=1'-0"



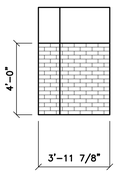
INTERIOR ELEVATION VIEW – 21
scale: 1/4"=1'-0"



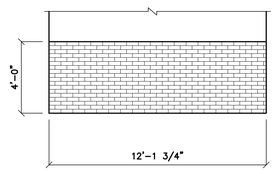
INTERIOR ELEVATION VIEW – 22
scale: 1/4"=1'-0"



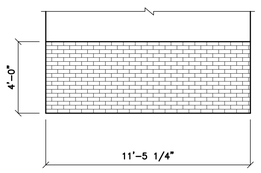
INTERIOR ELEVATION VIEW – 23
scale: 1/4"=1'-0"



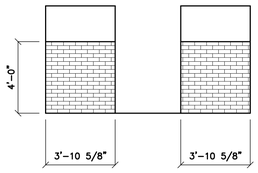
INTERIOR ELEVATION VIEW – 24
scale: 1/4"=1'-0"



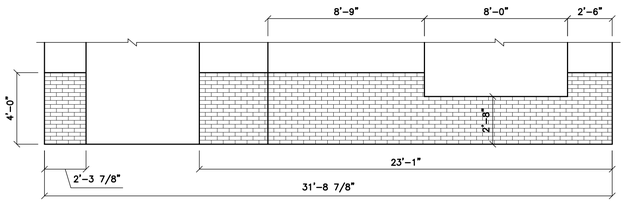
INTERIOR ELEVATION VIEW – 25 & 26
scale: 1/4"=1'-0"



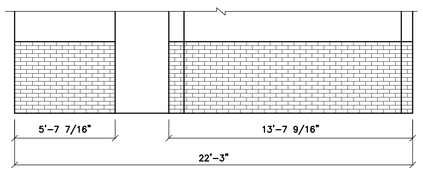
INTERIOR ELEVATION VIEW – 27
scale: 1/4"=1'-0"



INTERIOR ELEVATION VIEW – 28
scale: 1/4"=1'-0"



INTERIOR ELEVATION VIEW – 29
scale: 1/4"=1'-0"



INTERIOR ELEVATION VIEW – 30
scale: 1/4"=1'-0"

INTERIOR FINISH NOTES

- ALL WALLS EXCEPT ELEVATION VIEWS
- •• BRICK VENEER
  MFG: J&N STONE
  STYLE: BRICK–EASE AUTUM
  MIXED WITH 5% STONE VENEER
  MFG: J&N STONE
  STYLE: QUARTZ – PRICE
- •• ELEVATIONS 39 & 40 TO HAVE FINISHES AS NOTED

FINAL INTERIOR DESIGN BY TENANT. FOR BIDDING PURPOSES ONLY

REVISION

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Mount Comfort, Indiana 46140

Interior Elevation Views

Job No.	Date Stamped
21081	06.07.22

Drawn By	Checked By	Scale:
kt	mjt	1/4"=1'-0"

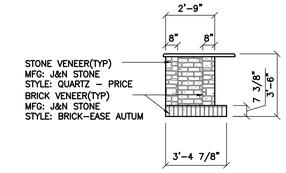
CAD FILE:
G:\21081\a230 interior elevation views.dwg

TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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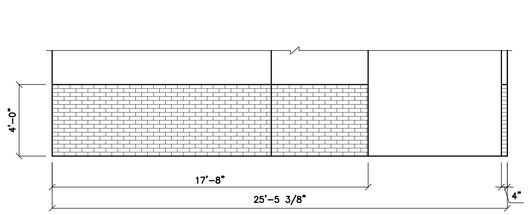
A230



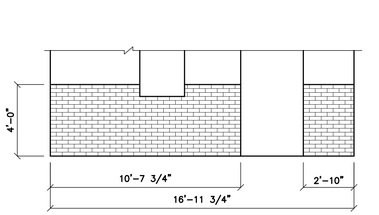
INTERIOR ELEVATION VIEW – 41
scale: 1/4"=1'-0"

INTERIOR FINISH NOTES

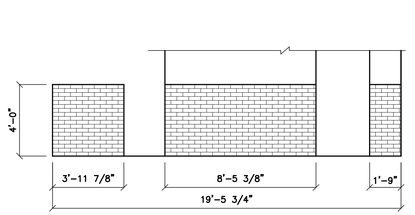
- ALL WALLS EXCEPT ELEVATION VIEWS
- •• BRICK VENEER
  MFG: J&N STONE
  STYLE: BRICK-EASE AUTUM
  MIXED WITH 5% STONE VENEER
  MFG: J&N STONE
  STYLE: QUARTZ - PRICE
- •• ELEVATIONS 39 & 40 TO HAVE FINISHES AS NOTED



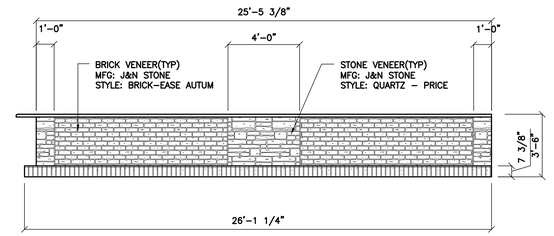
INTERIOR ELEVATION VIEW – 37
scale: 1/4"=1'-0"



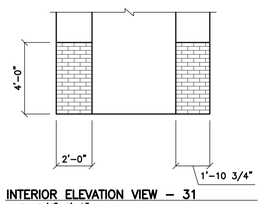
INTERIOR ELEVATION VIEW – 38
scale: 1/4"=1'-0"



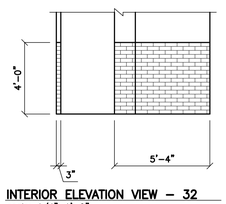
INTERIOR ELEVATION VIEW – 37
scale: 1/4"=1'-0"



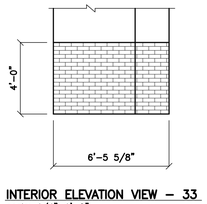
INTERIOR ELEVATION VIEW – 40
scale: 1/4"=1'-0"



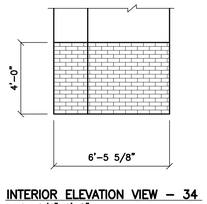
INTERIOR ELEVATION VIEW – 31
scale: 1/4"=1'-0"



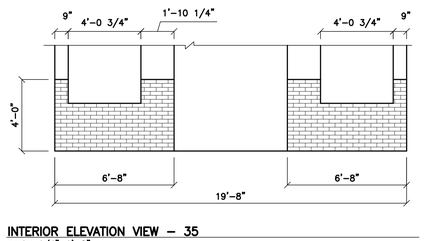
INTERIOR ELEVATION VIEW – 32
scale: 1/4"=1'-0"



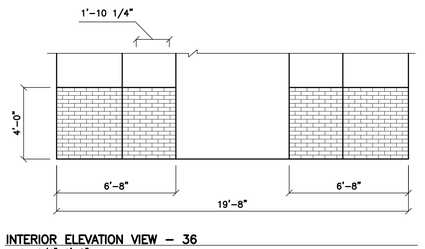
INTERIOR ELEVATION VIEW – 33
scale: 1/4"=1'-0"



INTERIOR ELEVATION VIEW – 34
scale: 1/4"=1'-0"



INTERIOR ELEVATION VIEW – 35
scale: 1/4"=1'-0"



INTERIOR ELEVATION VIEW – 36
scale: 1/4"=1'-0"

REVISION

VERSATILE CONSTRUCTION GROUP, LLC.
570 East Tracy Road, Suite 610
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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Interior Elevation Views

Job No.	Date Stamped	
21081	06.07.22	
Drawn By	Checked By	Scale:
kt	mjt	1/4"=1'-0"

CAD FILE:
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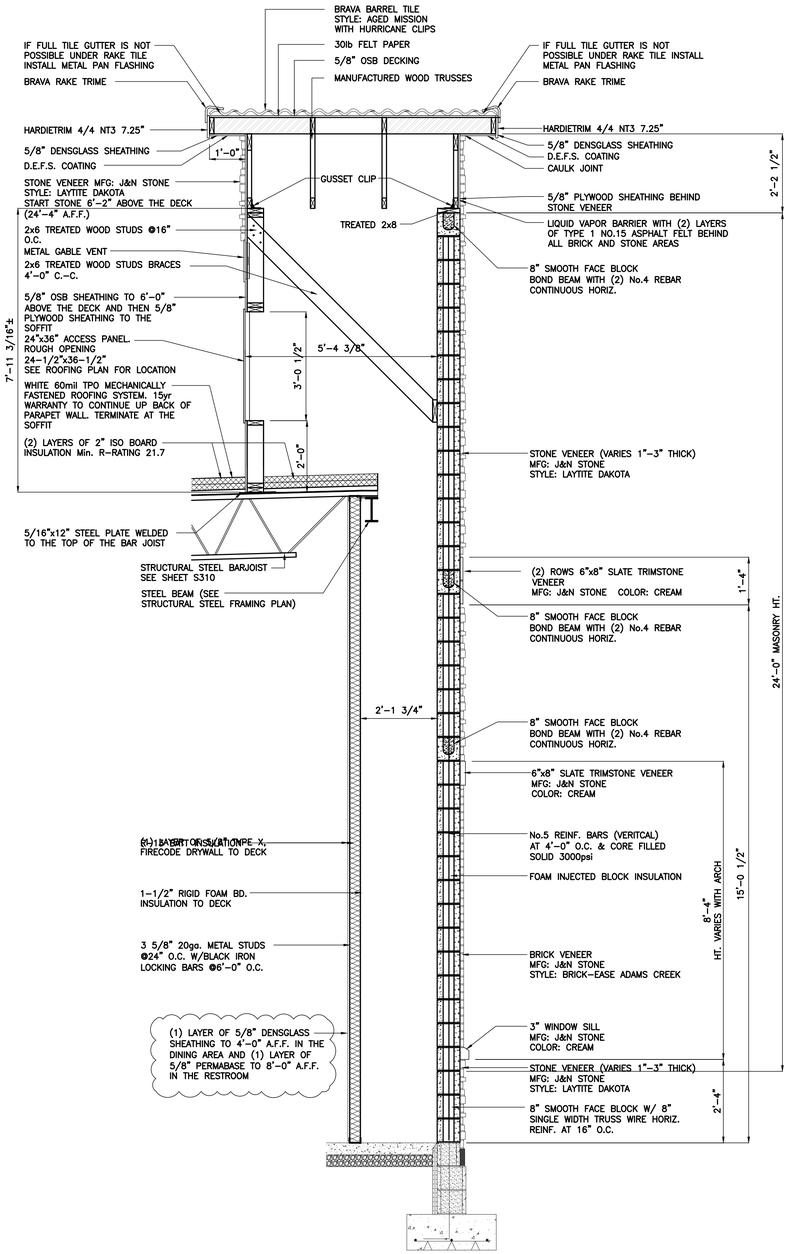
TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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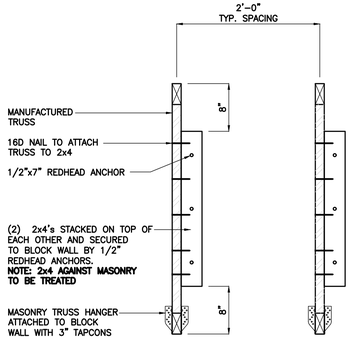
SHEET TITLE:

A235

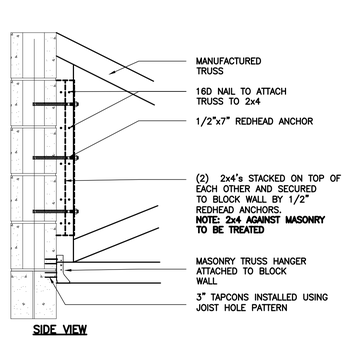
FINAL INTERIOR DESIGN BY TENANT. FOR BIDDING PURPOSES ONLY



WALL SECTION A
SCALE: 1/2"= 1'-0"
A200 A300

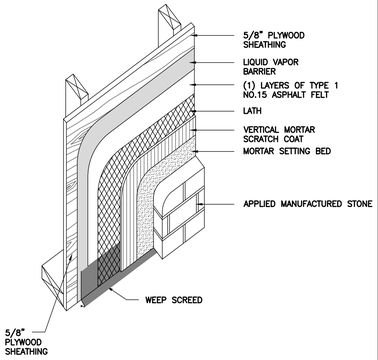


FRONT VIEW

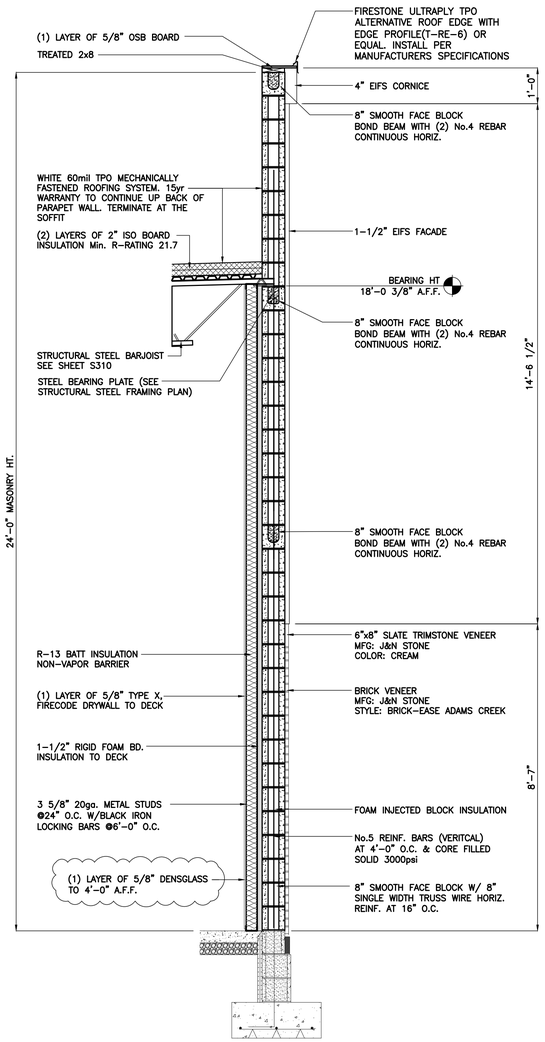


SIDE VIEW

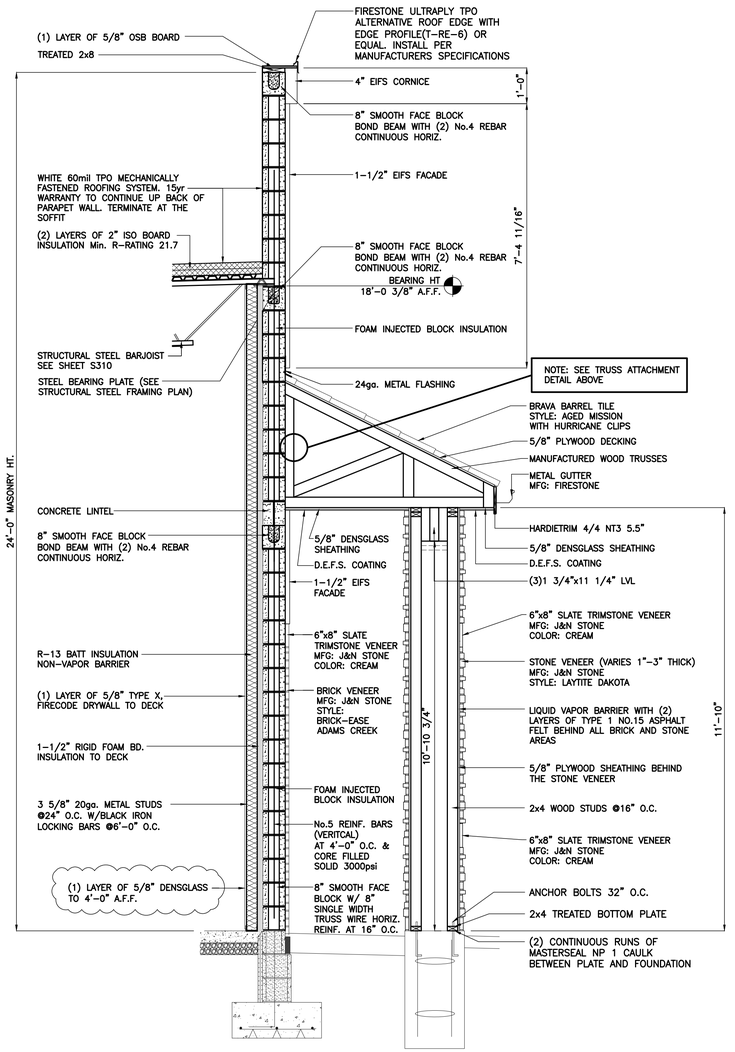
TRUSS ATTACHMENT APPLICATION DETAIL
scale: n.t.s.



STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



WALL SECTION B
SCALE: 1/2"= 1'-0"
A200 A300



WALL SECTION C
SCALE: 1/2"= 1'-0"
A200 A300

REVISION
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT

VERSATILE
CONSTRUCTION
GROUP, LLC.
570 East Tracy Road, Suite 610
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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Exterior Wall Sections

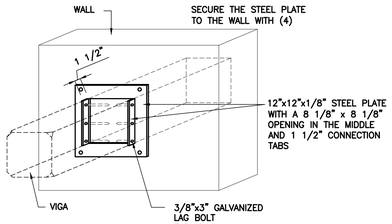
Job No.	Date Stamped
21081	05.06.22
Drawn By: ket	Checked By: mjt
Scale: 1/2"=1'-0"	

CAD FILE:
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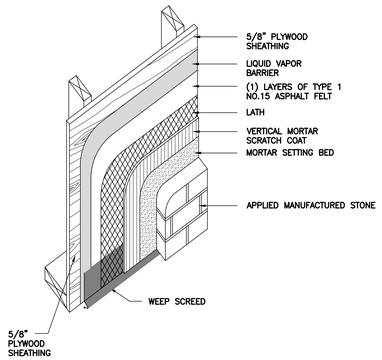
TRENT A. BAXTER
REGISTERED
No. 19700309
STATE OF INDIANA
PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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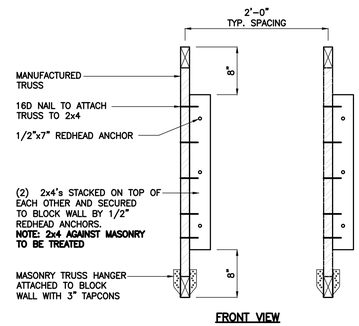
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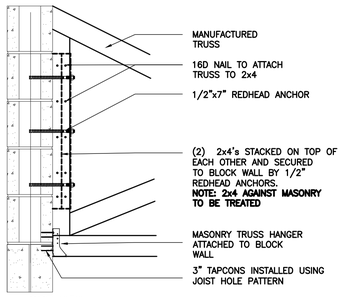
VIGA CONNECTION DETAIL ①
scale: n.t.s.



STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.

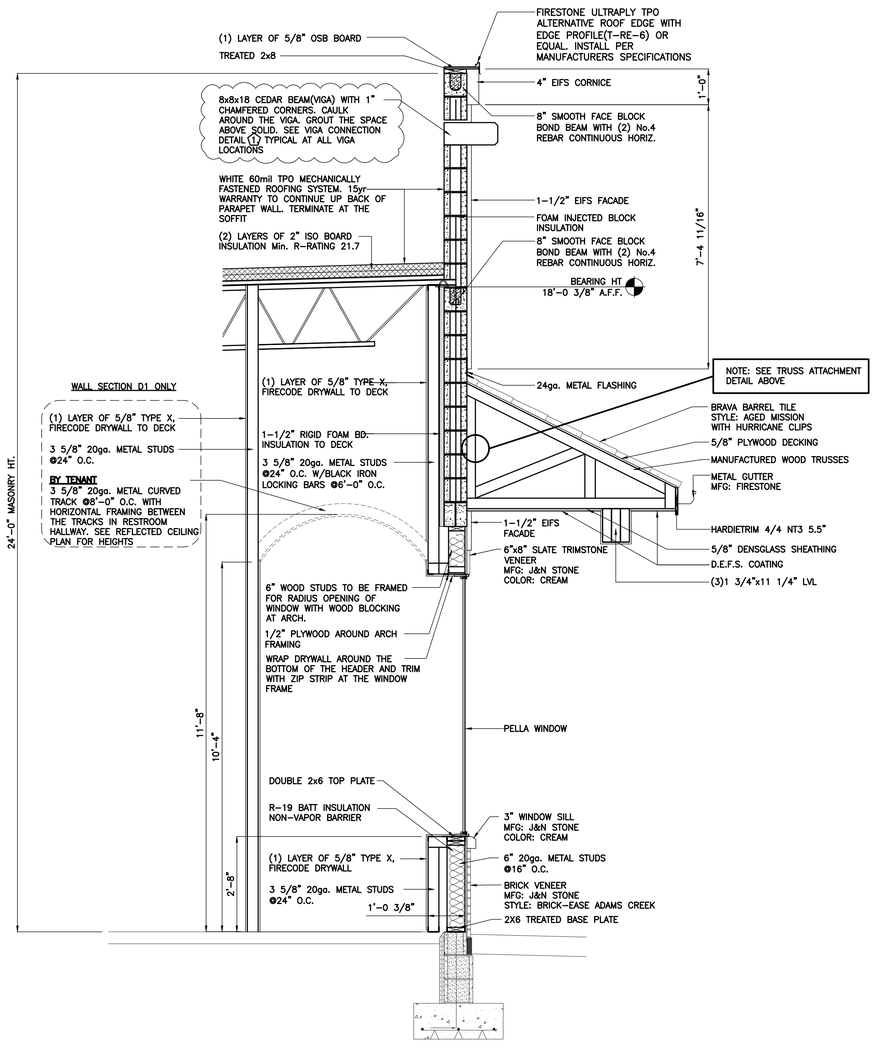


FRONT VIEW

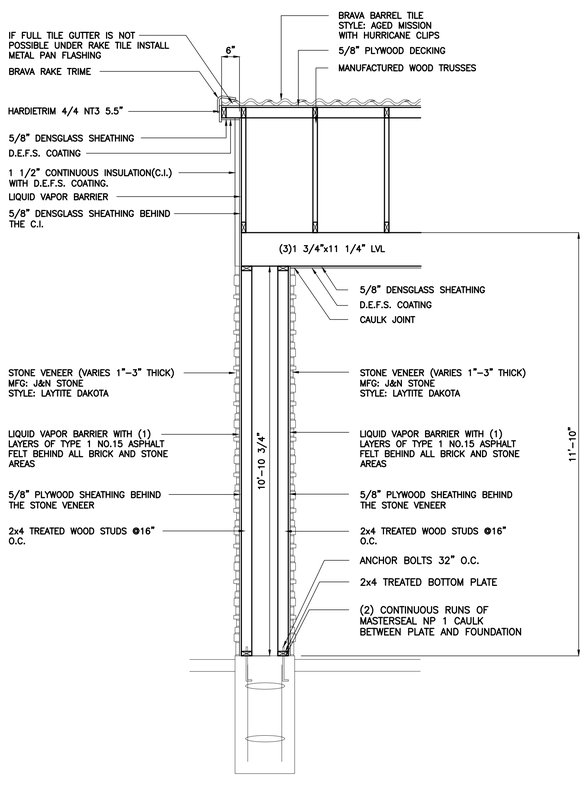


SIDE VIEW

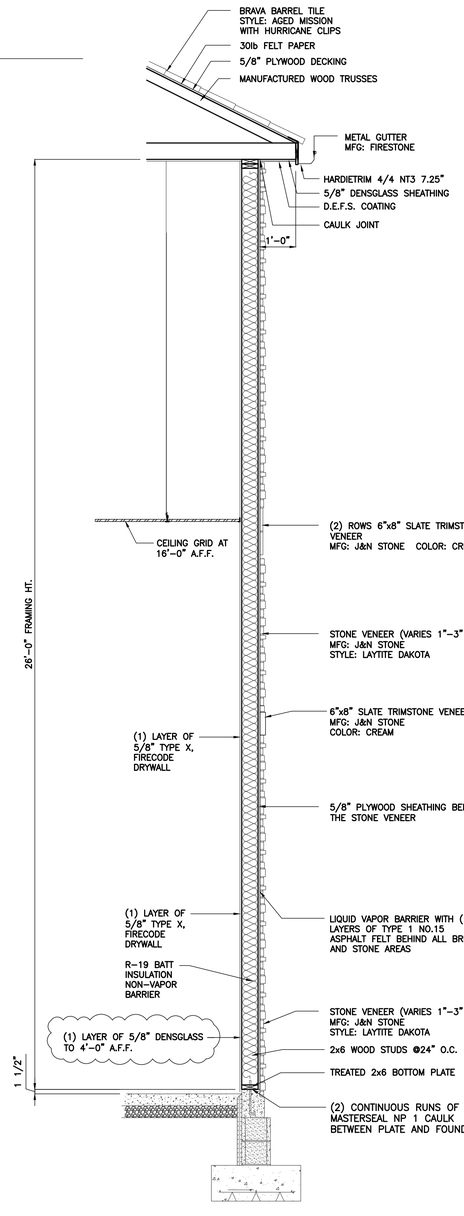
TRUSS ATTACHMENT APPLICATION DETAIL
scale: n.t.s.



WALL SECTION D D1
SCALE: 1/2"= 1'-0" A200 A305 A200 A305



WALL SECTION E
SCALE: 1/2"= 1'-0" A200 A305



WALL SECTION F
SCALE: 1/2"= 1'-0" A200 A305

REVISION
01.11.23 revised sections D & D1
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT

VERSATILE CONSTRUCTION GROUP, LLC.
570 East Tracy Road, Suite 610
New Whiteland, Indiana 46184
Ph: 317.535.3579 Fax: 317.535.3581
email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Exterior Wall Sections

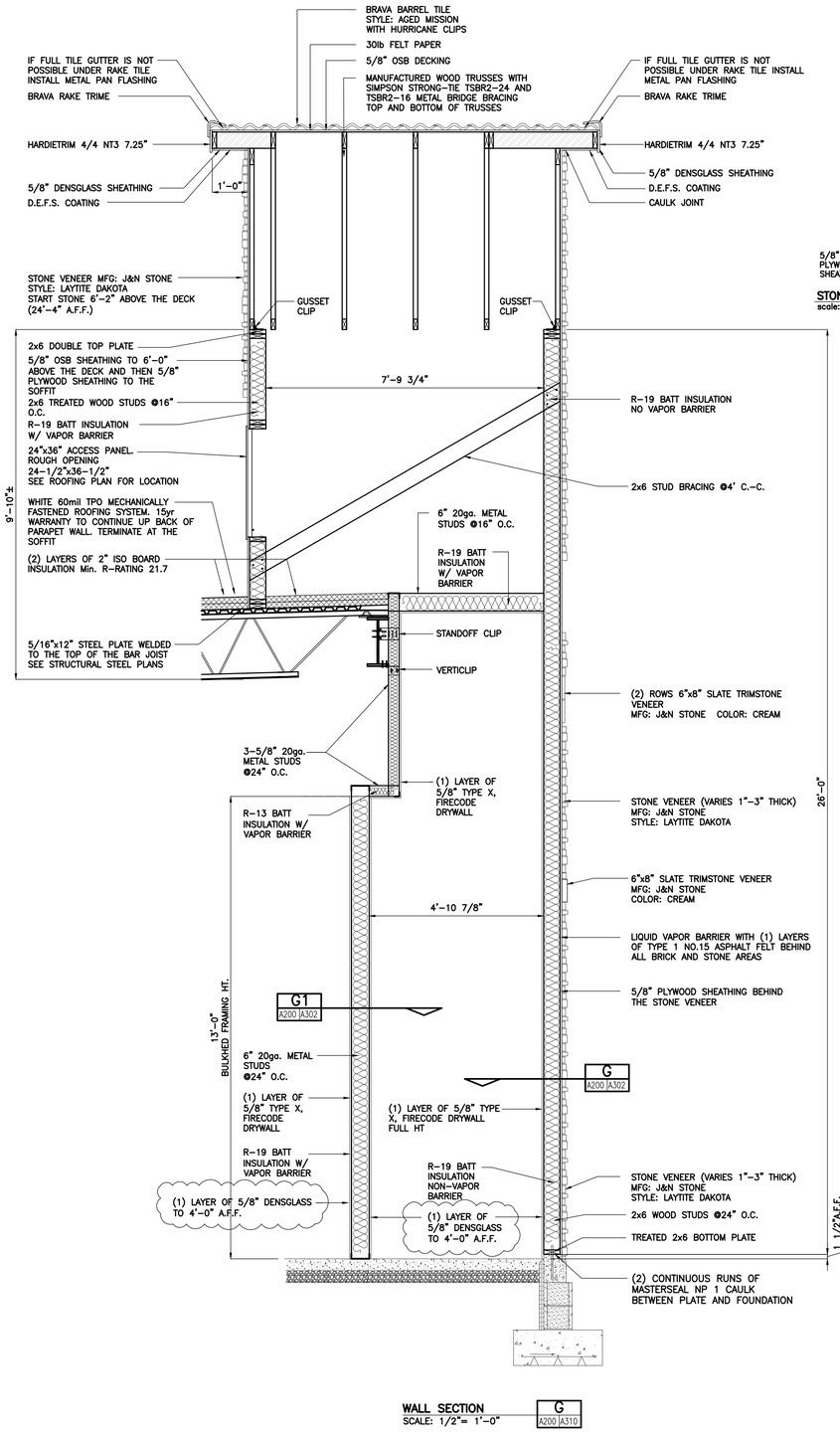
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
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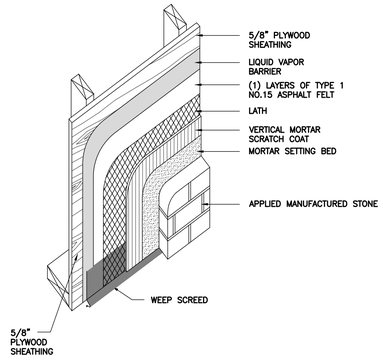
TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
CERTIFIED BY:

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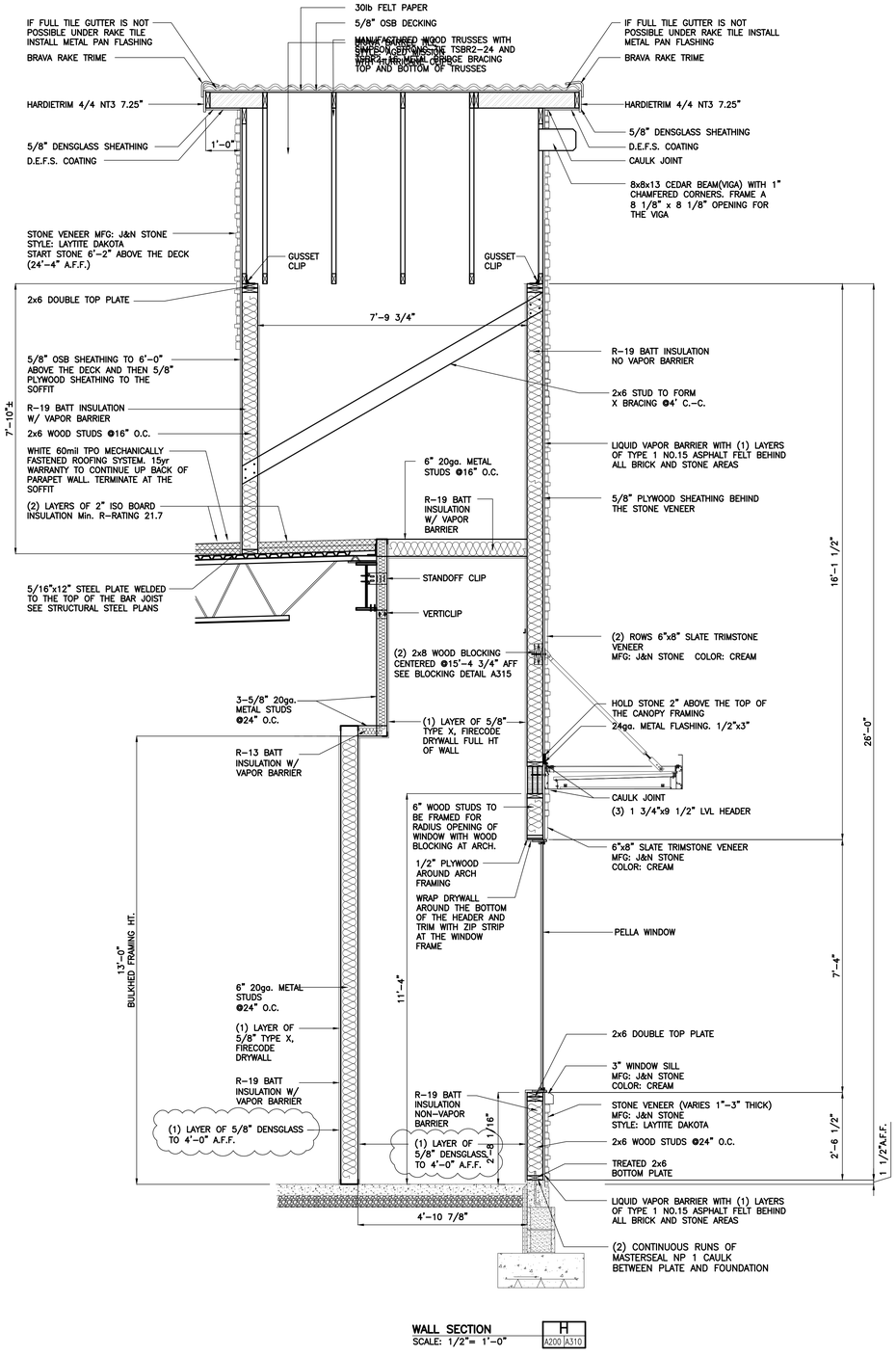
SHEET TITLE:
A305



WALL SECTION
SCALE: 1/2"= 1'-0"
G
A200 A310



STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



WALL SECTION
SCALE: 1/2"= 1'-0"
H
A200 A310

REVISION
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT

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Exterior Wall Sections

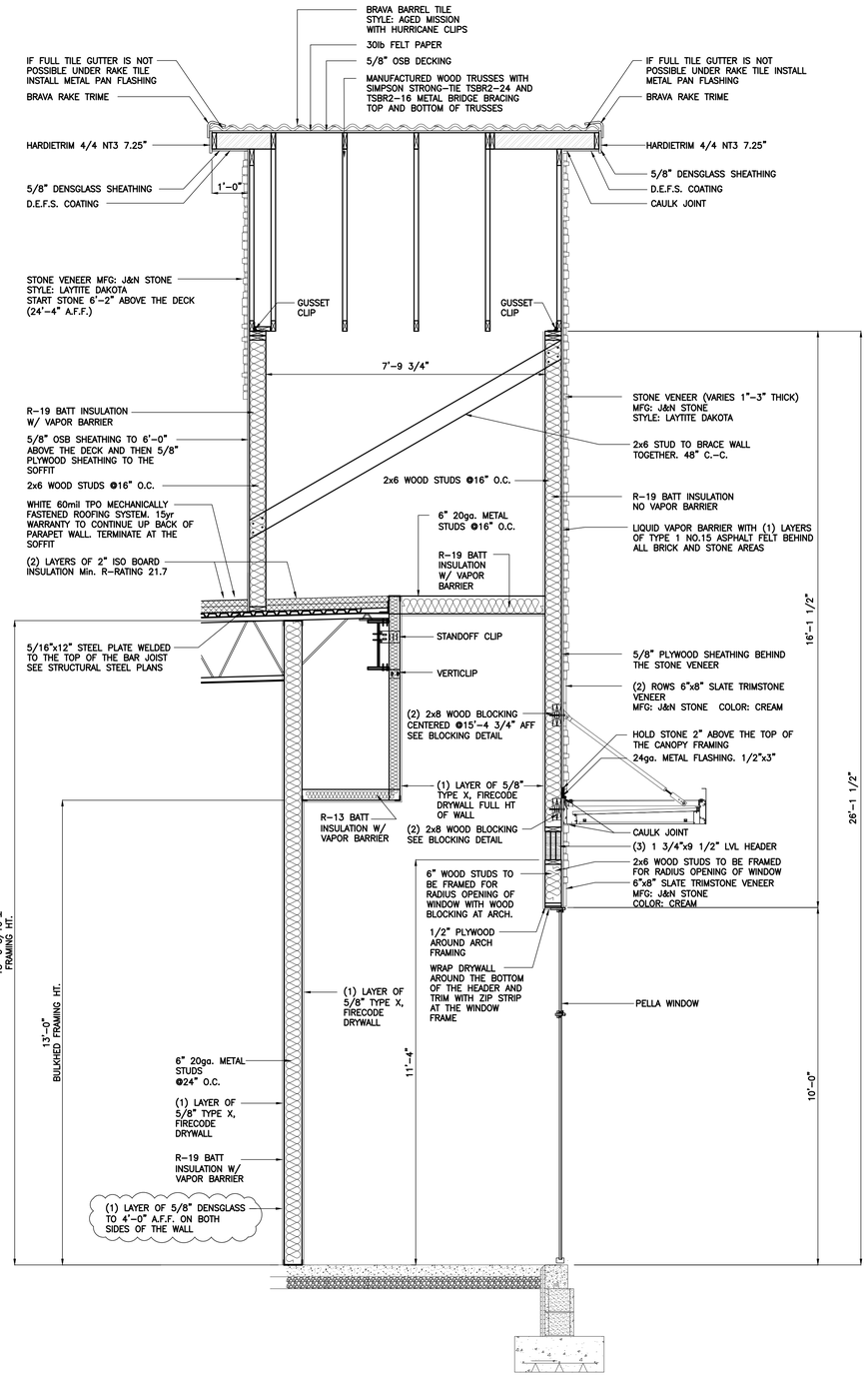
Job No.	Date Stamped
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Drawn By: ket	Checked By: mjt
Scale: 1/2"=1'-0"	

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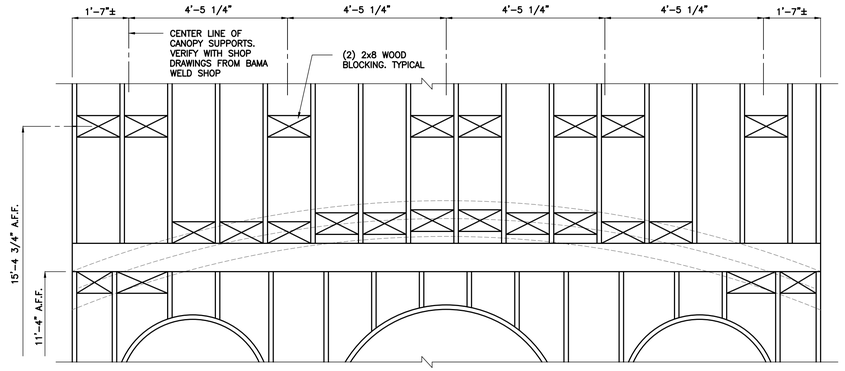
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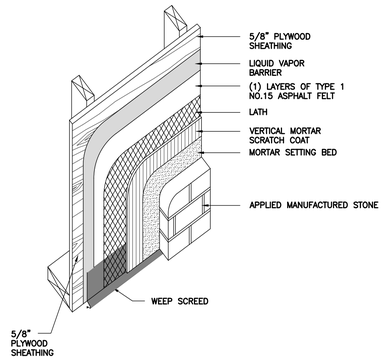
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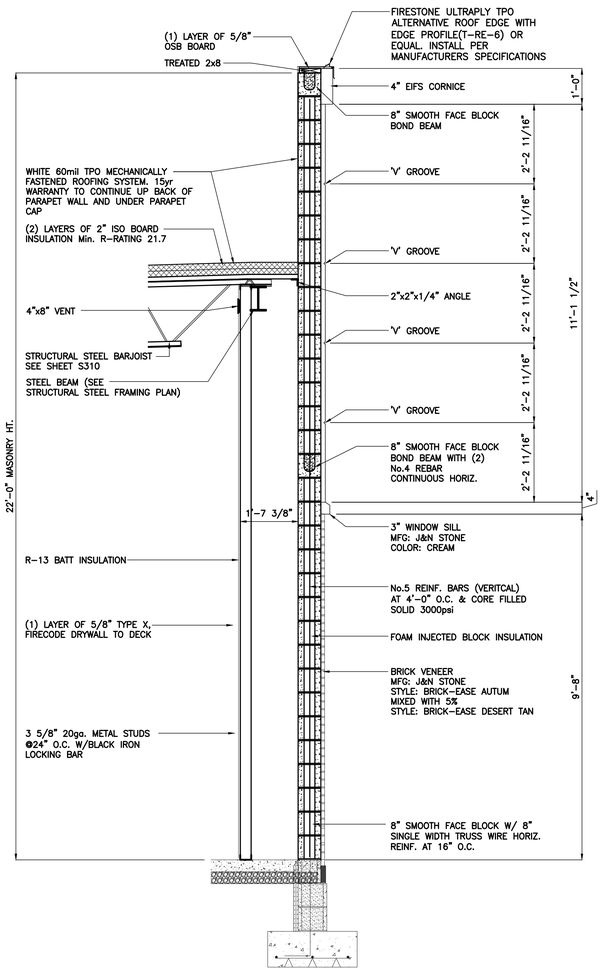
WALL SECTION
SCALE: 1/2"= 1'-0"
I | A200 | A315



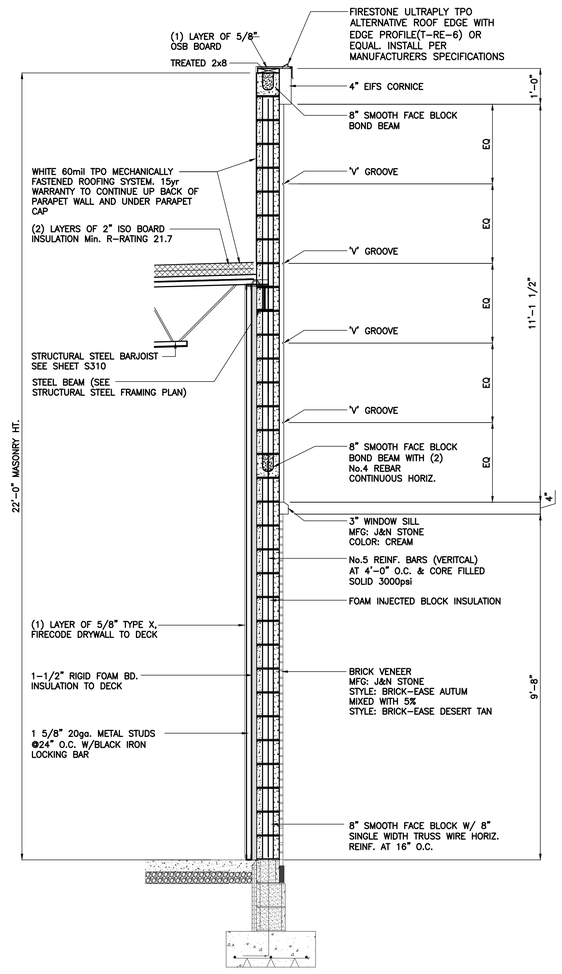
WALL SECTIONS H & I CANOPY BLOCKING DETAIL
scale: n.t.s.



STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



WALL SECTION
SCALE: 1/2"= 1'-0"
J | A200 | A315



WALL SECTION
SCALE: 1/2"= 1'-0"
J1 | A200 | A315

REVISION
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT

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Exterior Wall Sections

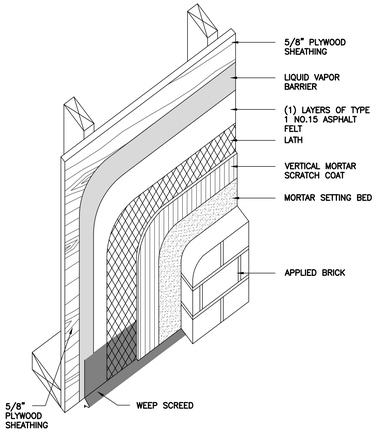
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
ket	mjt	1/2"=1'-0"

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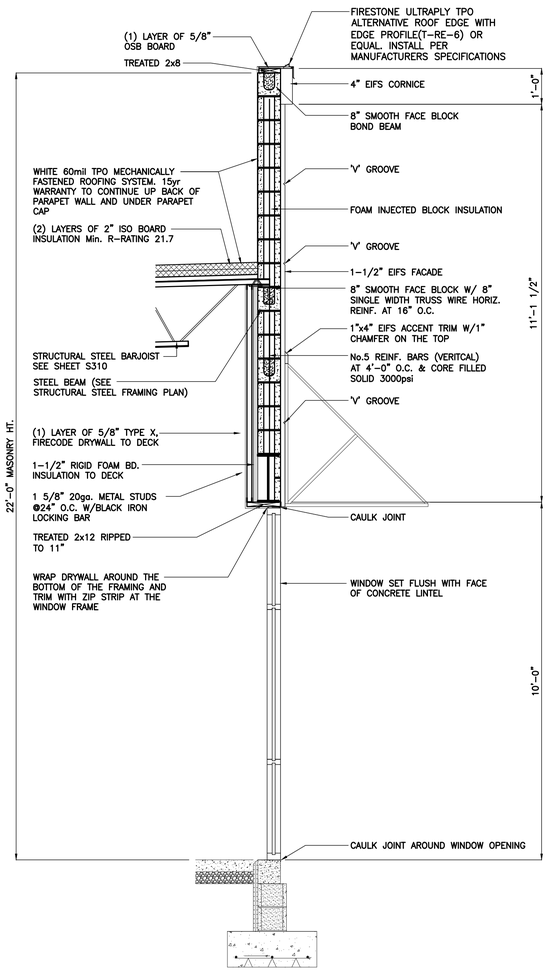
TRENT A. BAXTER
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No. 19700309
STATE OF
INDIANA
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Trent A Baxter
CERTIFIED BY:

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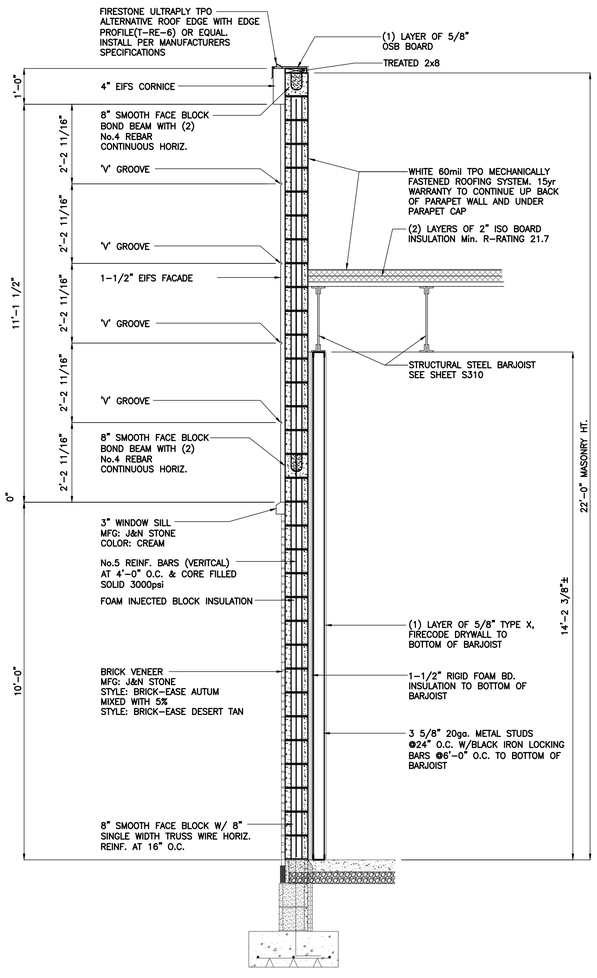
SHEET TITLE:
A315



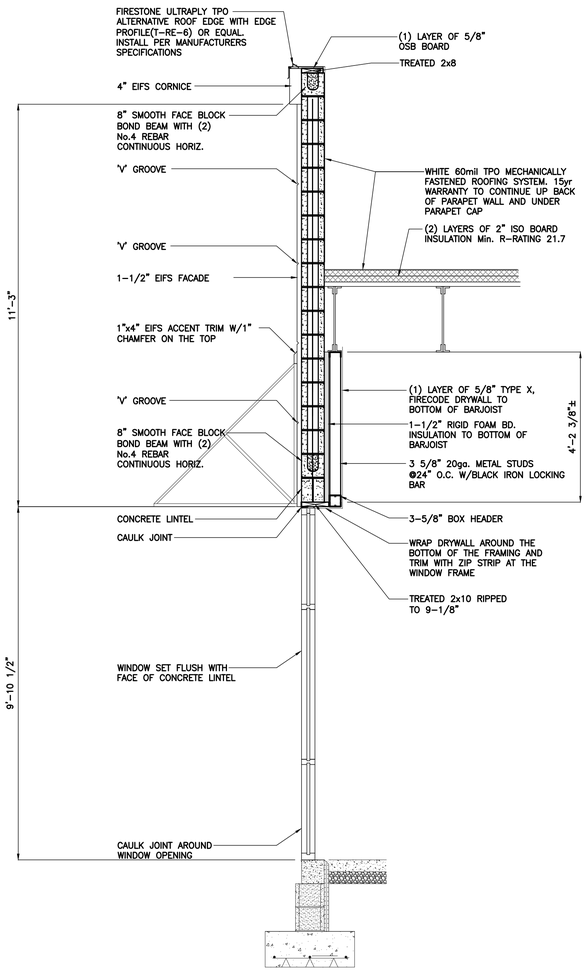
STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



WALL SECTION K
SCALE: 1/2"= 1'-0" A200 A320



WALL SECTION L
SCALE: 1/2"= 1'-0" A200 A320



WALL SECTION M
SCALE: 1/2"= 1'-0" A200 A320

REVISION

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Mount Comfort, Indiana 46140

Exterior Wall Sections

Job No.	Date Stamped
21081	05.06.22

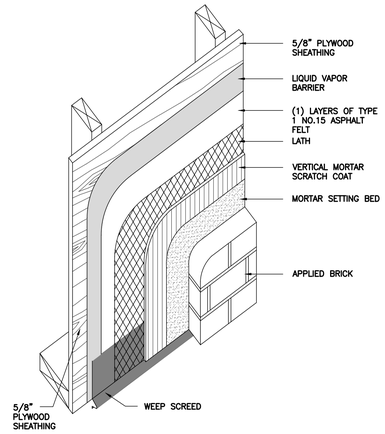
Drawn By	Checked By	Scale:
ket	mjt	1/2"=1'-0"

CAD FILE:
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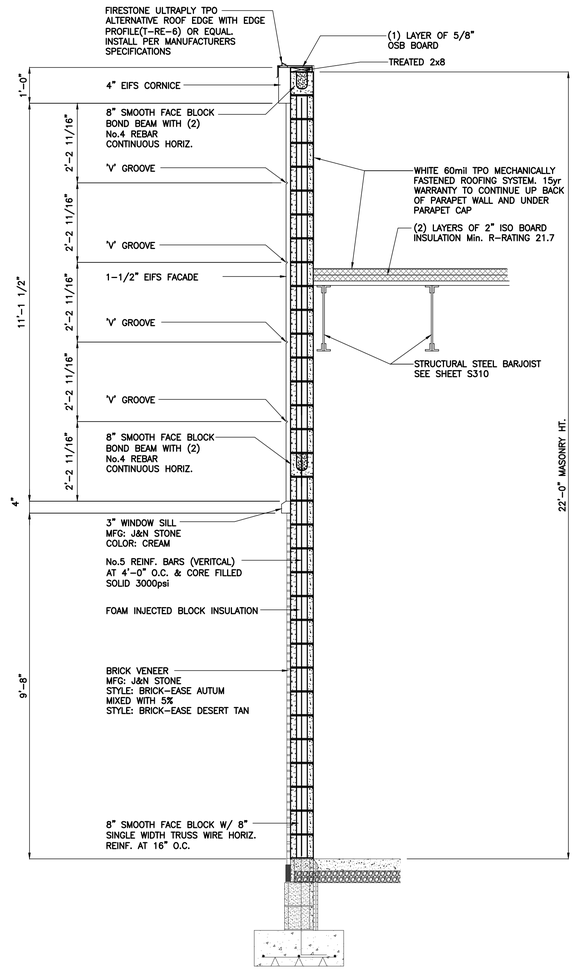
TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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SHEET TITLE:
A320



STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



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

P
A200 A325

REVISION
01.11.23 sections N & O removed

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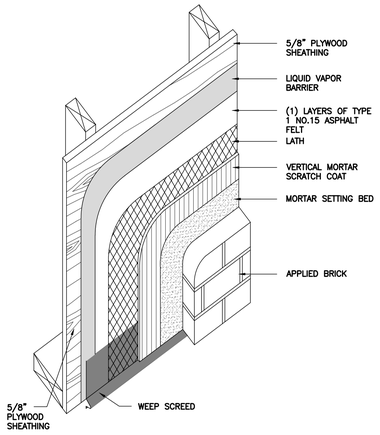
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
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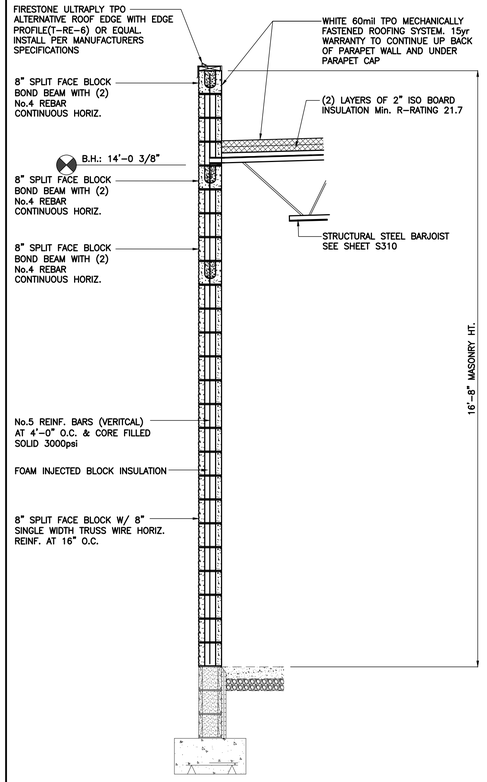
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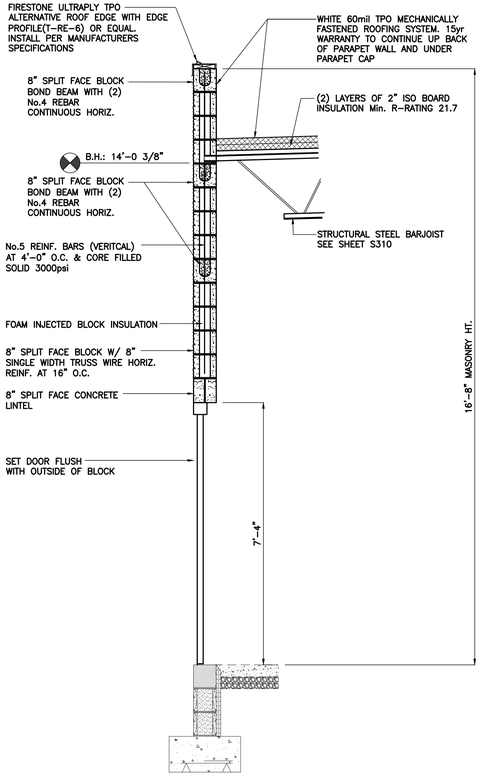
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A325



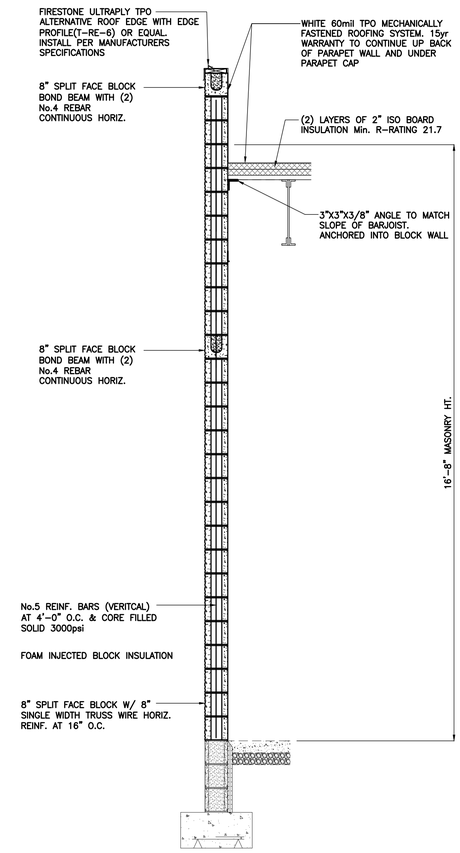
STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



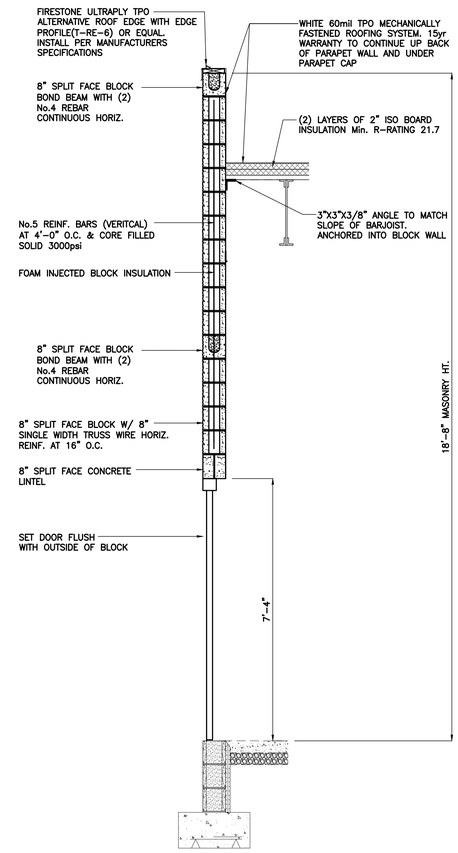
WALL SECTION Q
SCALE: 1/2"= 1'-0" A200 A330



WALL SECTION R
SCALE: 1/2"= 1'-0" A200 A330



WALL SECTION S
SCALE: 1/2"= 1'-0" A200 A330



WALL SECTION S1
SCALE: 1/2"= 1'-0" A200 A330

REVISION

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Exterior Wall Sections

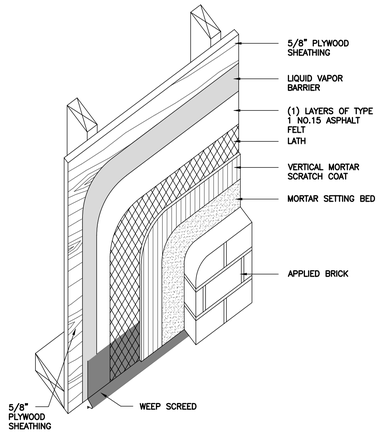
Job No.	Date Stamped
21081	05.06.22
Drawn By: ket	Checked By: mjt
Scale: 1/2"=1'-0"	

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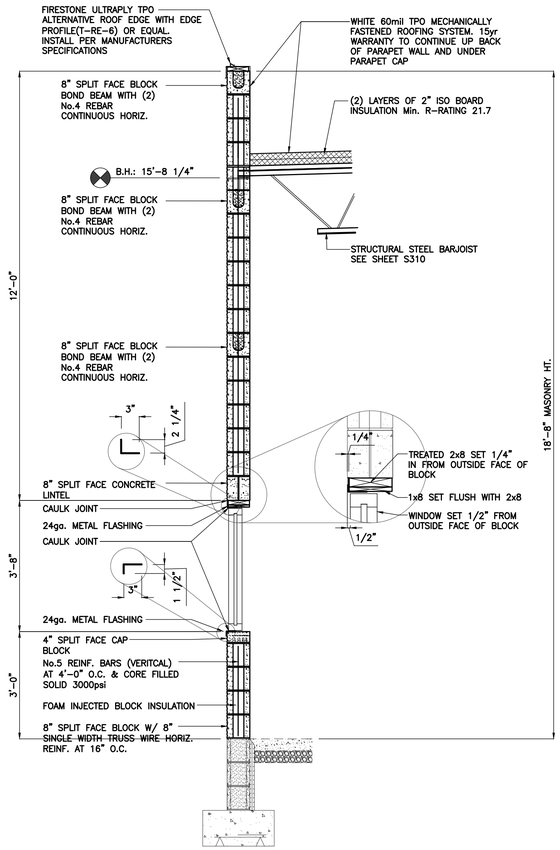
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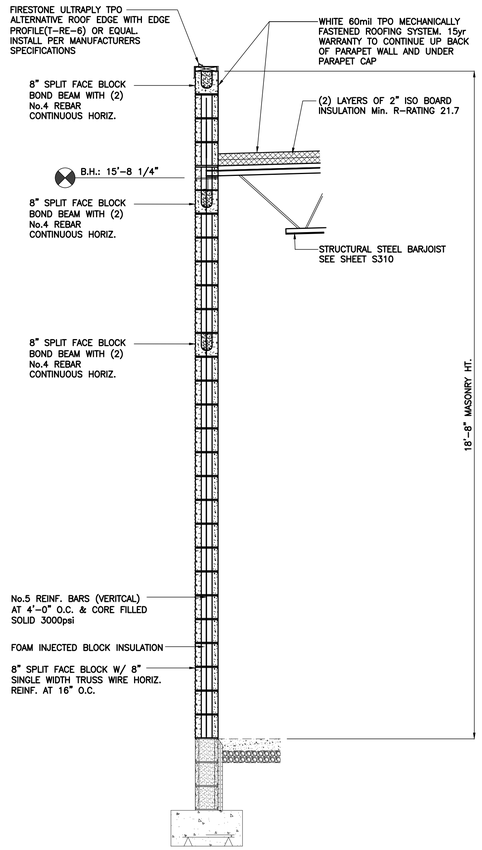
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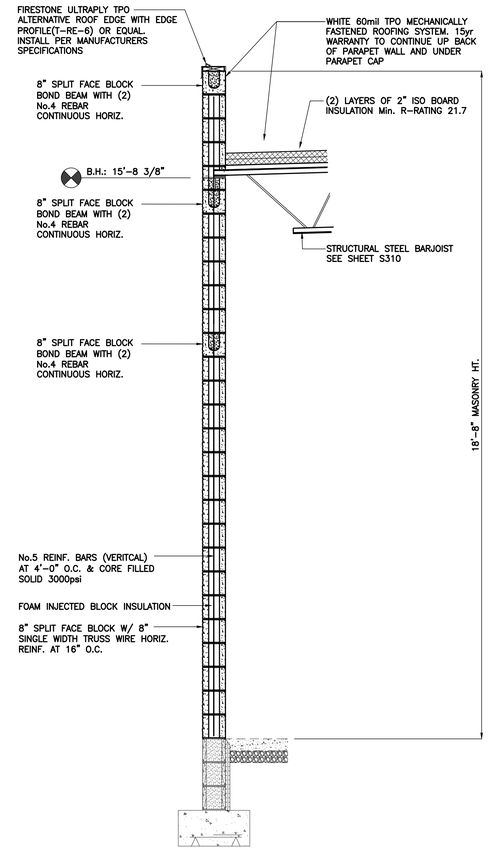
STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



WALL SECTION T
SCALE: 1/2"= 1'-0" A200 A335



WALL SECTION U
SCALE: 1/2"= 1'-0" A200 A335



WALL SECTION V
SCALE: 1/2"= 1'-0" A200 A335

REVISION

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Exterior Wall Sections

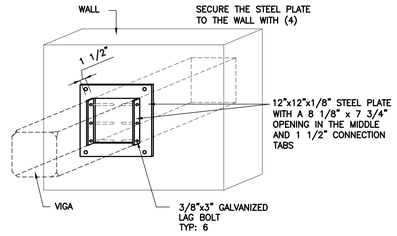
Job No.	Date Stamped	
21081	05.06.22	
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CAD FILE:
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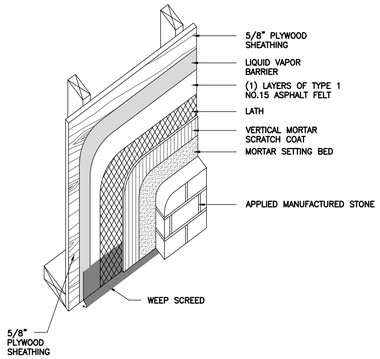
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Trent A Baxter
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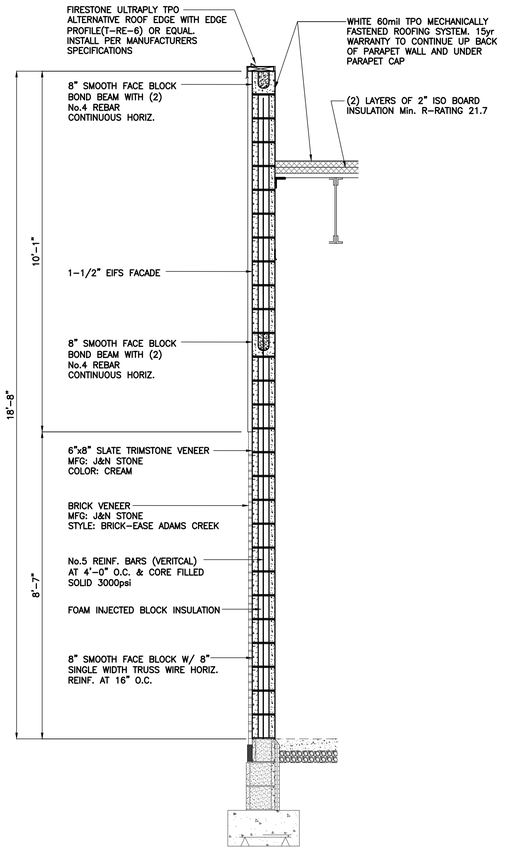
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A335



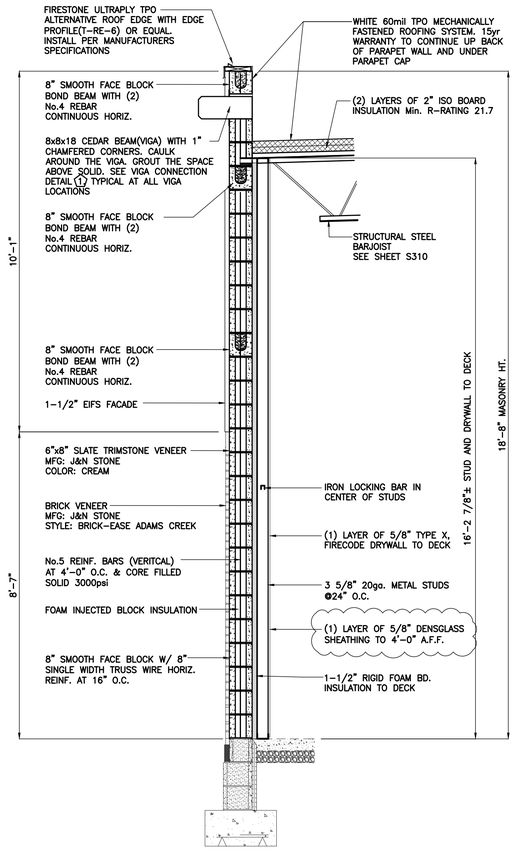
VIGA CONNECTION DETAIL ①
scale: n.t.s.



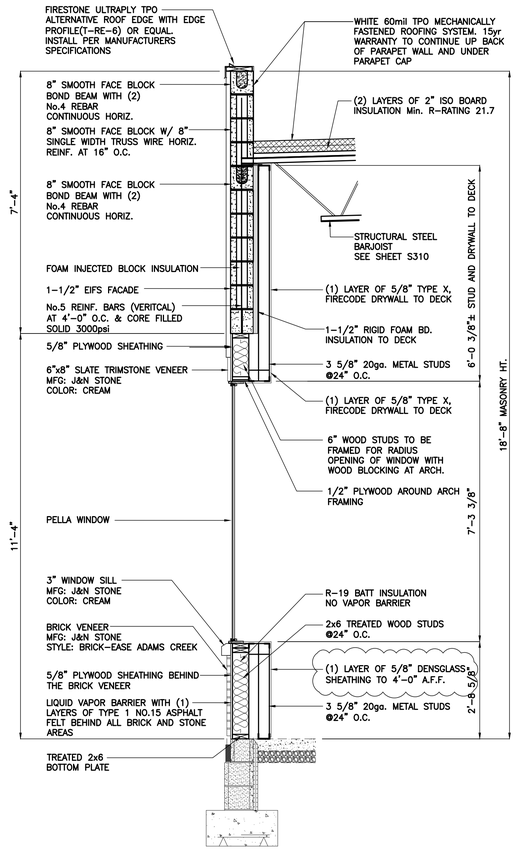
STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



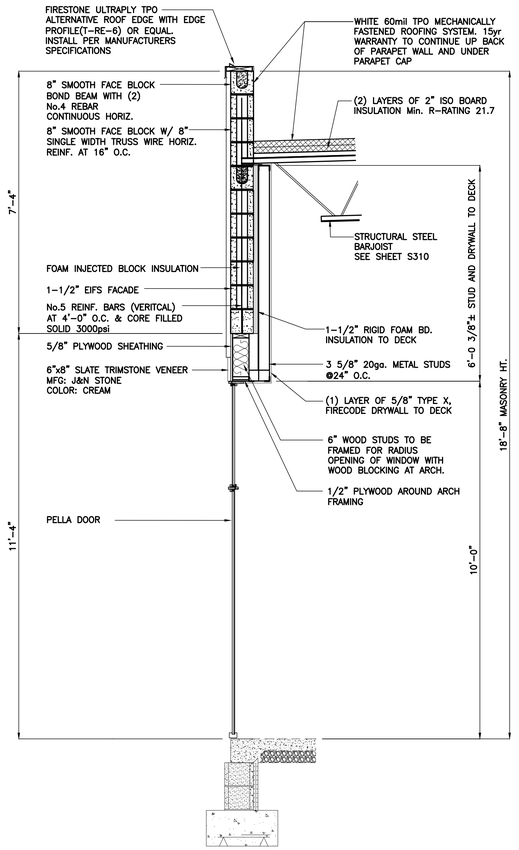
WALL SECTION V1 (A200 | A340)
SCALE: 1/2"= 1'-0"



WALL SECTION W (A200 | A340)
SCALE: 1/2"= 1'-0"



WALL SECTION X (A200 | A340)
SCALE: 1/2"= 1'-0"



WALL SECTION X1 (A200 | A340)
SCALE: 1/2"= 1'-0"

REVISION
01.11.23 revised viga connection detail
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT

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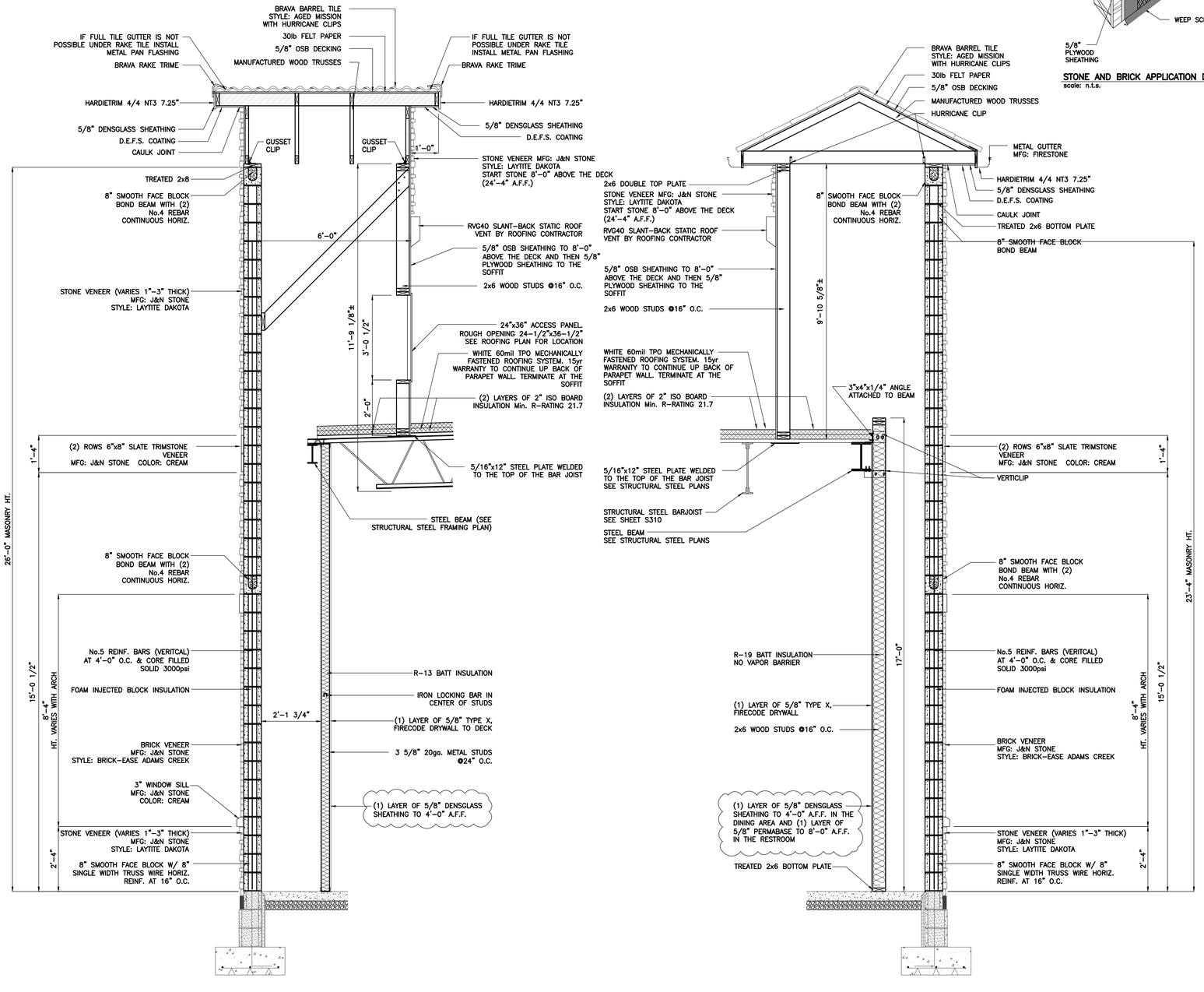
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
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CAD FILE:
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TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

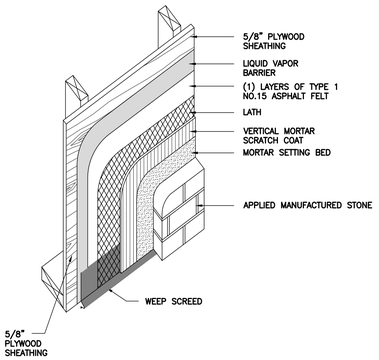
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SHEET TITLE:
A340

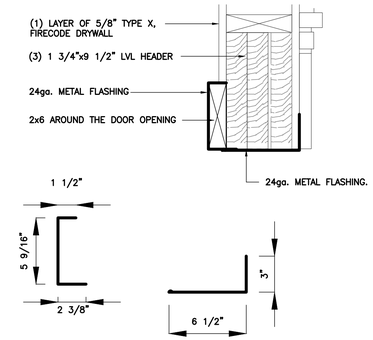


WALL SECTION Z
SCALE: 1/2"= 1'-0"
A200 A345

WALL SECTION AA
SCALE: 1/2"= 1'-0"
A200 A345



STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



METAL FLASHING DETAIL 1
scale: n.t.s.

REMOVED

WALL SECTION BB
SCALE: 1/2"= 1'-0"
A200 A345

REVISION
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT
03.09.23 SECTION BB REMOVED

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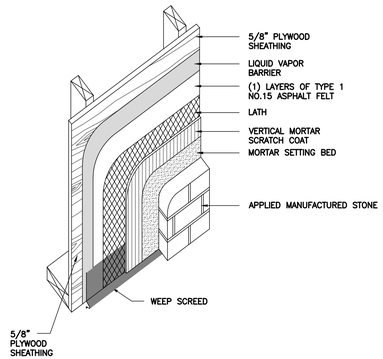
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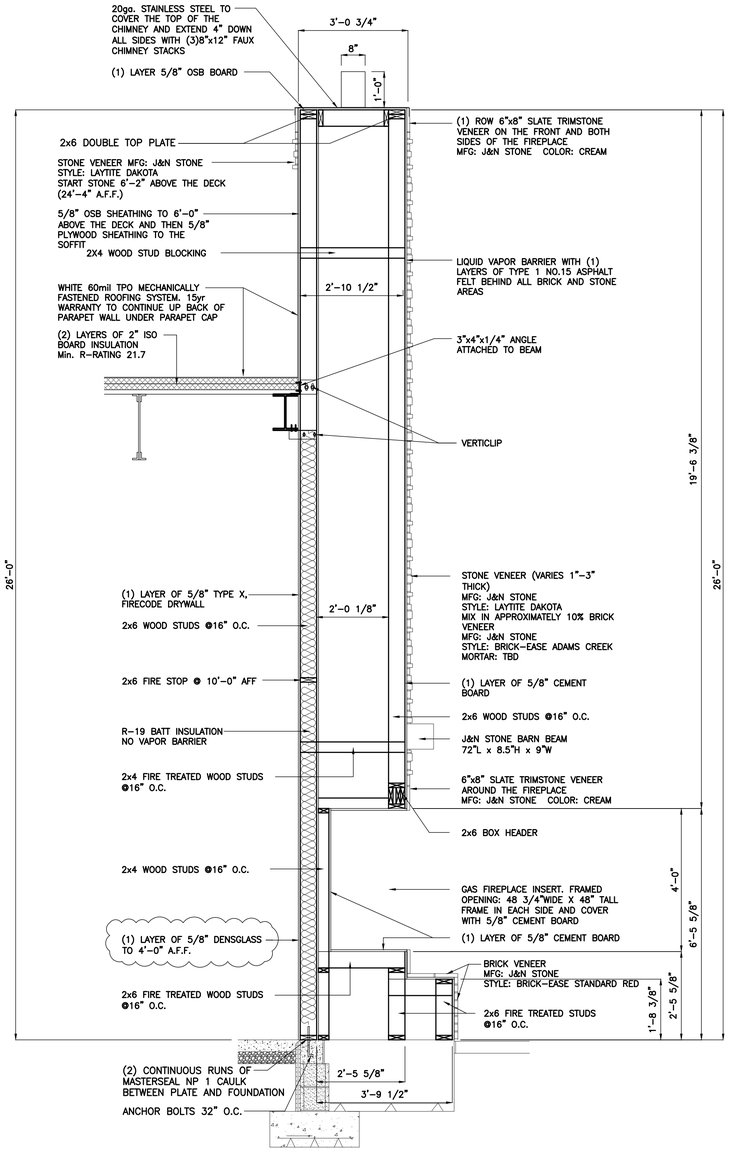
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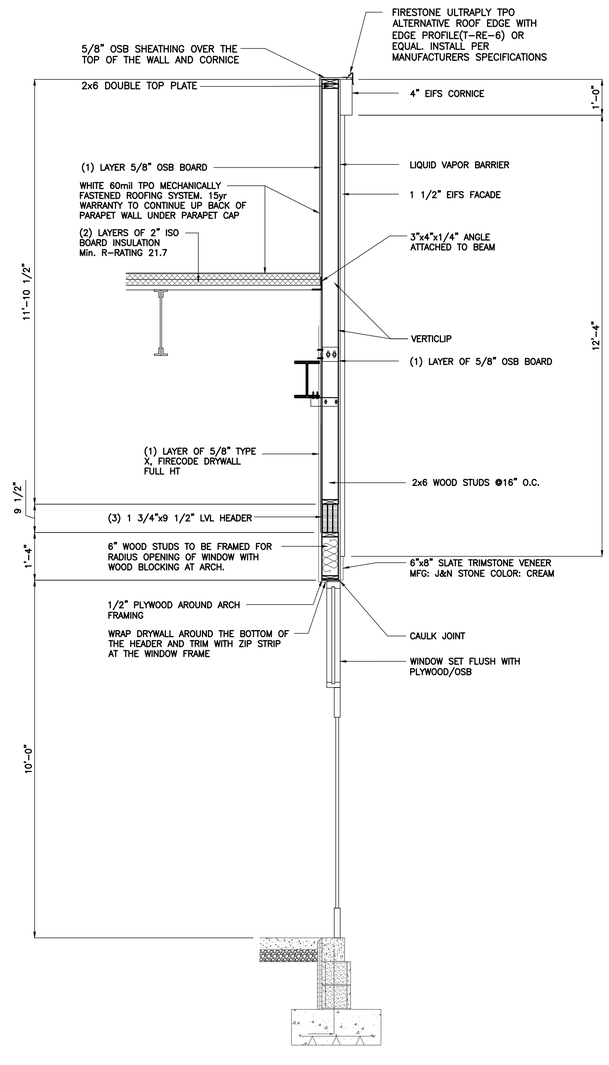
SHEET TITLE:
A345



STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



WALL SECTION CC (A200 | A350)
SCALE: 1/2"= 1'-0"



WALL SECTION DD (A200 | A350)
SCALE: 1/2"= 1'-0"

REMOVED

WALL SECTION EE (A200 | A350)
SCALE: 1/2"= 1'-0"

REVISION
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT
03.09.23 SECTION BB REMOVED

VERSATILE CONSTRUCTION GROUP, LLC.
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email: info@versatile-llc.com

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Exterior Wall Sections

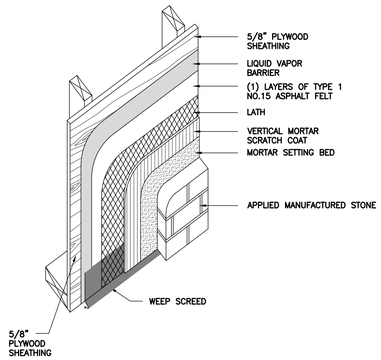
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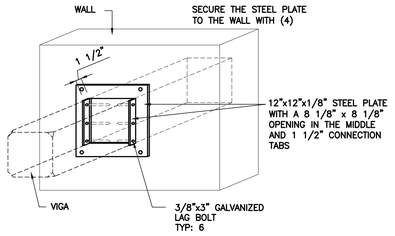
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Trent A Baxter
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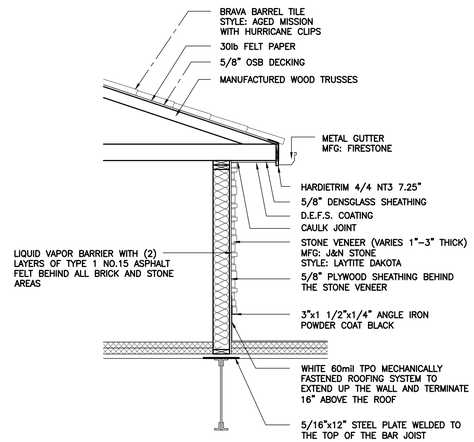
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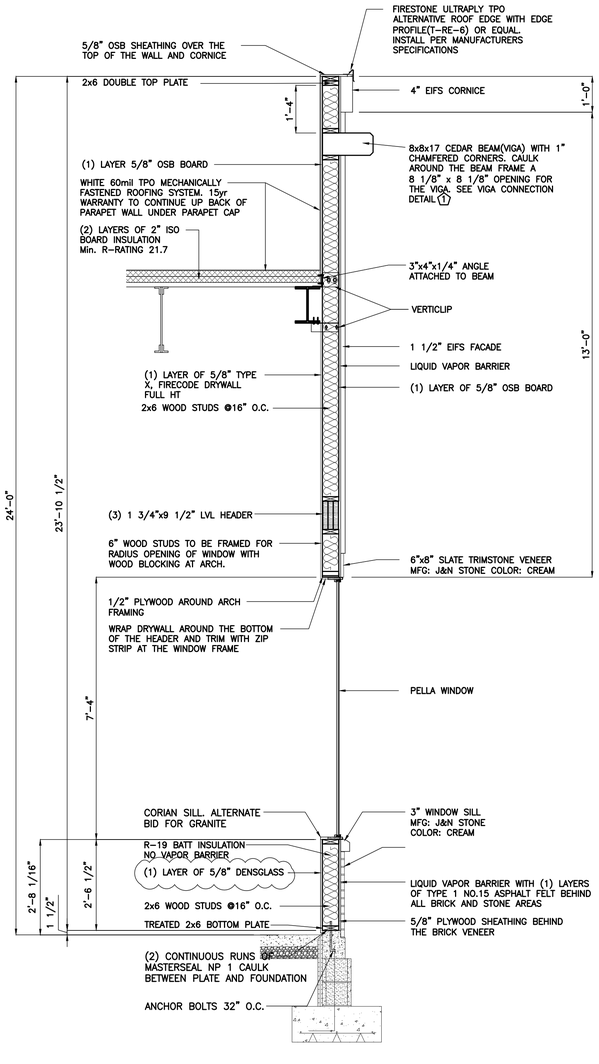
STONE AND BRICK APPLICATION DETAIL
scale: n.t.s.



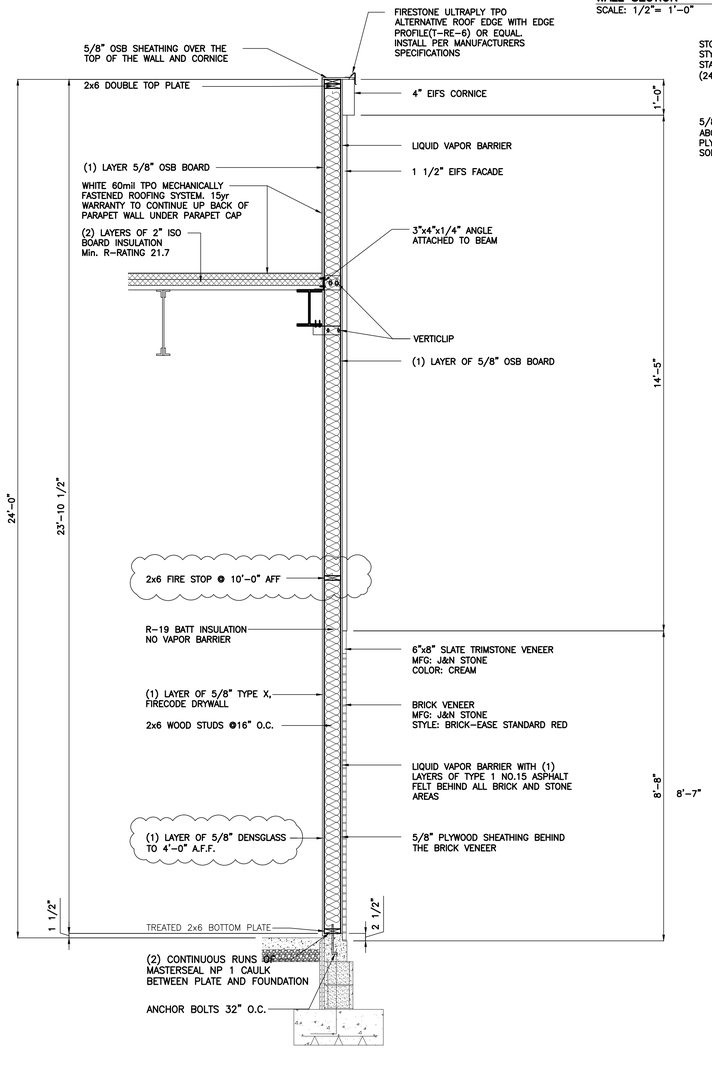
VIGA CONNECTION DETAIL ①
scale: n.t.s.



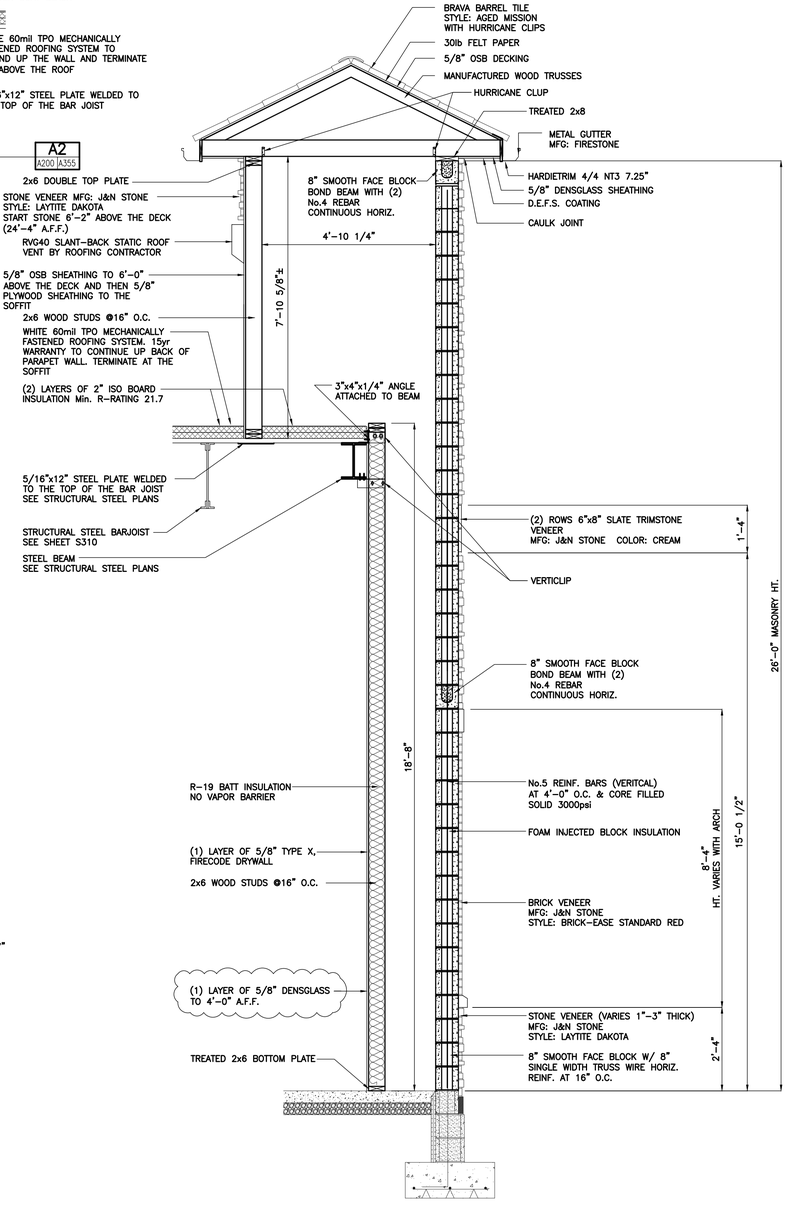
WALL SECTION A2 (A200 | A355)
SCALE: 1/2"= 1'-0"



WALL SECTION FF (A200 | A355)
SCALE: 1/2"= 1'-0"



WALL SECTION GG (A200 | A355)
SCALE: 1/2"= 1'-0"



WALL SECTION HH (A200 | A355)
SCALE: 1/2"= 1'-0"

REVISION
06.13.22 fire blocking added to section GG
01.11.23 revised viga connection detail
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT

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Exterior Wall Sections

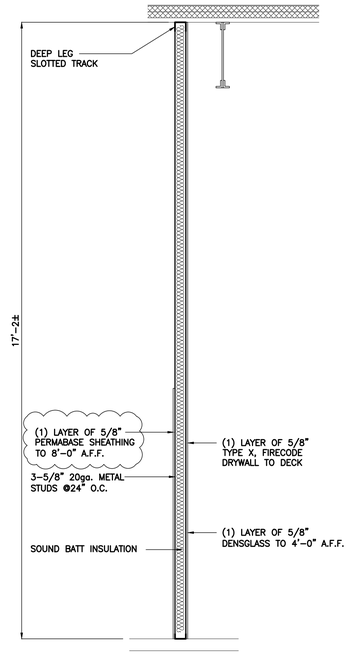
Job No.	Date Stamped	
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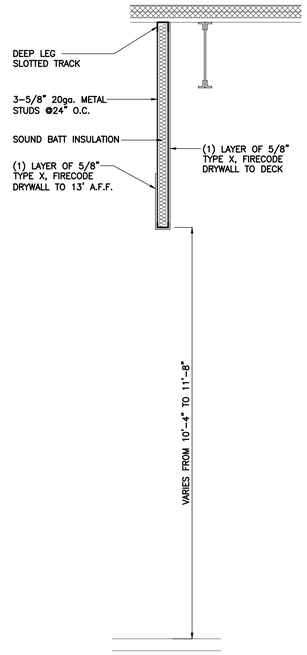
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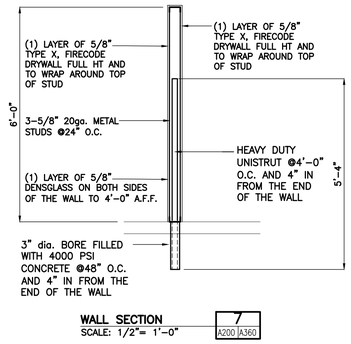
SHEET TITLE:
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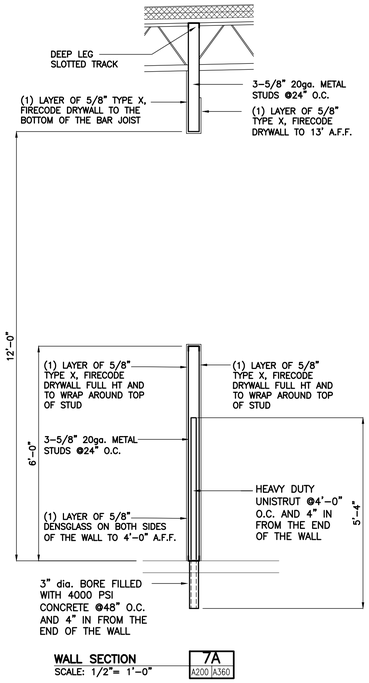
WALL SECTION 5 (A200 | A360)
SCALE: 1/2"= 1'-0"



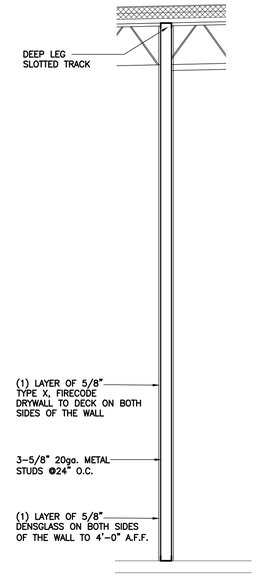
WALL SECTION 6 (A200 | A360)
SCALE: 1/2"= 1'-0"



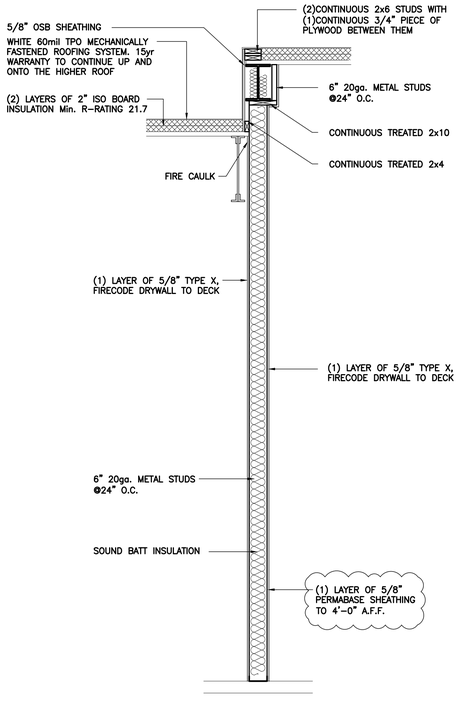
WALL SECTION 7 (A200 | A360)
SCALE: 1/2"= 1'-0"



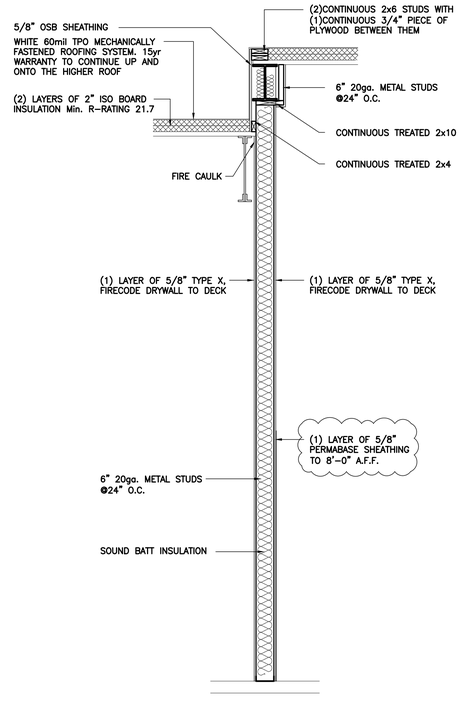
WALL SECTION 7A (A200 | A360)
SCALE: 1/2"= 1'-0"



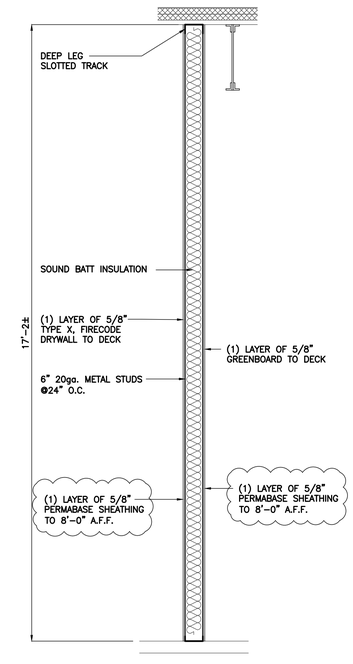
WALL SECTION 7B (A200 | A360)
SCALE: 1/2"= 1'-0"



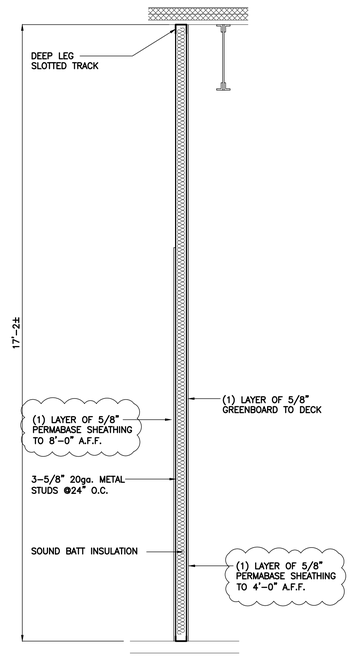
WALL SECTION 1 (A200 | A360)
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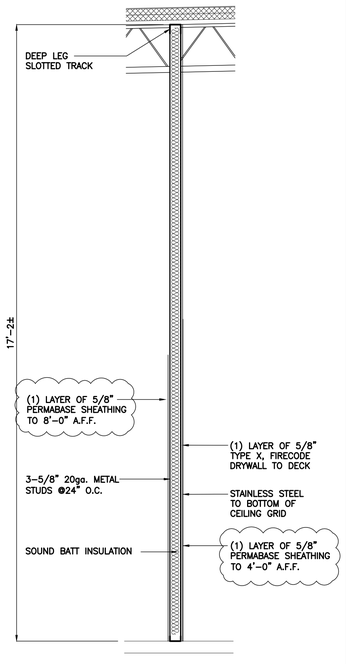
WALL SECTION 1A (A200 | A360)
SCALE: 1/2"= 1'-0"



WALL SECTION 2 (A200 | A360)
SCALE: 1/2"= 1'-0"



WALL SECTION 3 (A200 | A360)
SCALE: 1/2"= 1'-0"



WALL SECTION 4 (A200 | A360)
SCALE: 1/2"= 1'-0"

REVISION
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT

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Mount Comfort, Indiana 46140

Interior Wall Sections

Job No.	Date Stamped	
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Drawn By	Checked By	Scale:
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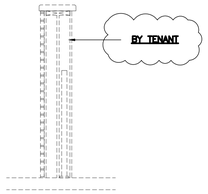
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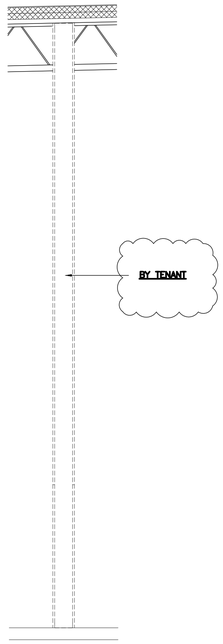
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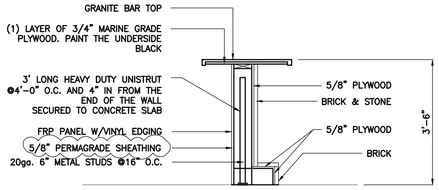
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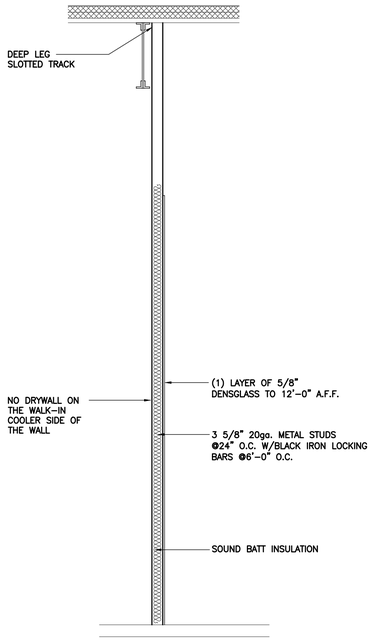
WALL SECTION 12
SCALE: 1/2"= 1'-0" A200 A365



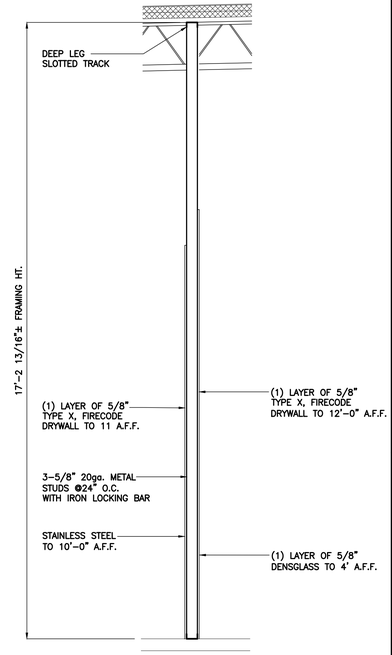
WALL SECTION 13
SCALE: 1/2"= 1'-0" A200 A365



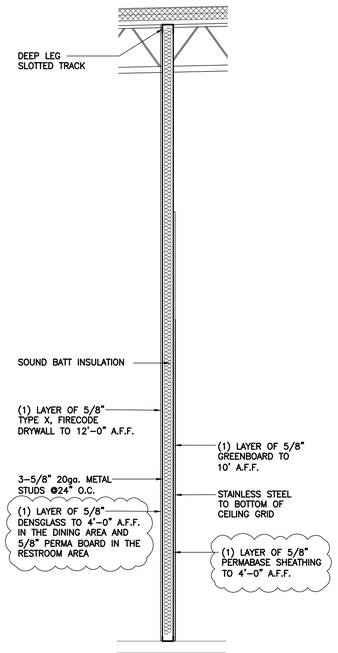
WALL SECTION 14
SCALE: 1/2"= 1'-0" A200 A365



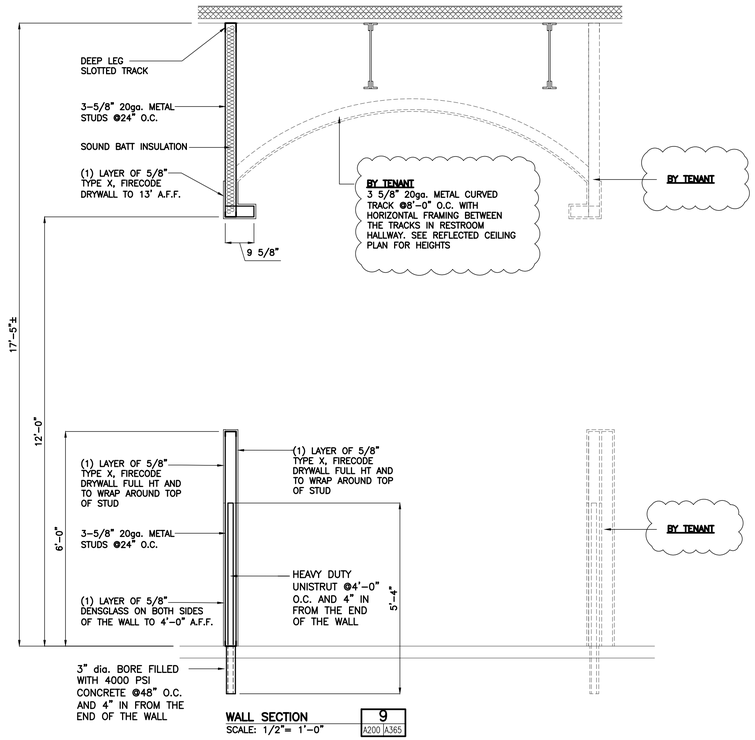
WALL SECTION 15
SCALE: 1/2"= 1'-0" A200 A365



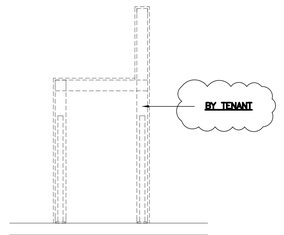
WALL SECTION 16
SCALE: 1/2"= 1'-0" A200 A365



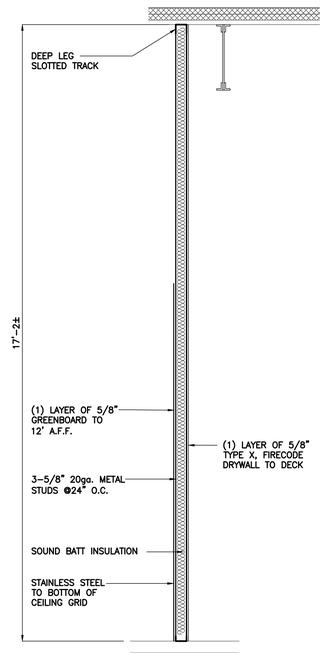
WALL SECTION 8
SCALE: 1/2"= 1'-0" A200 A365



WALL SECTION 9
SCALE: 1/2"= 1'-0" A200 A365



WALL SECTION 10
SCALE: 1/2"= 1'-0" A200 A365



WALL SECTION 11
SCALE: 1/2"= 1'-0" A200 A365

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Interior Wall Sections

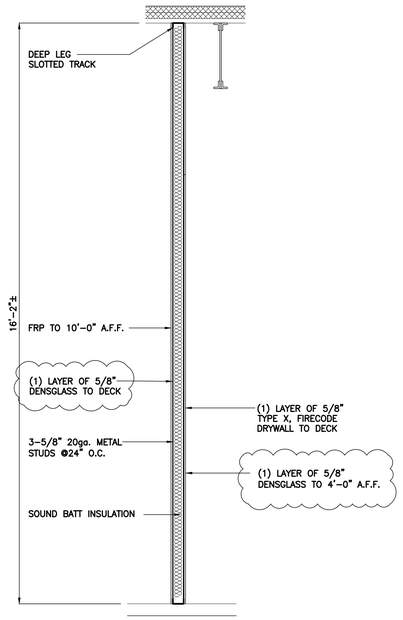
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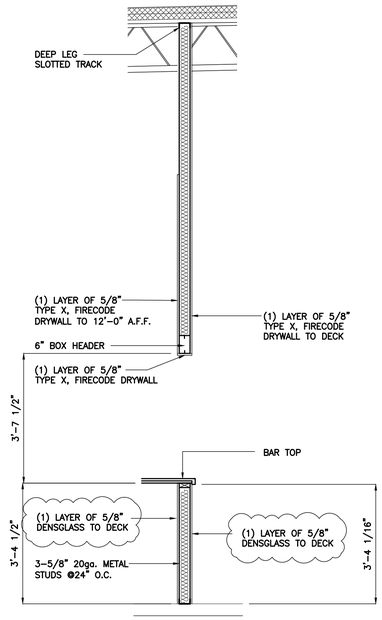
TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A. Baxter
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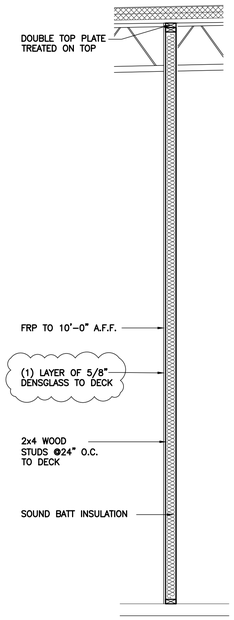
SHEET TITLE:
A365



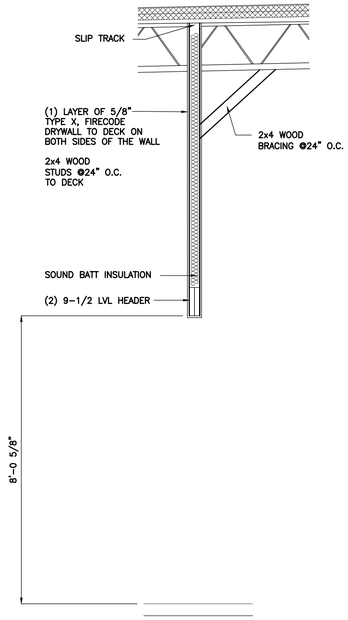
WALL SECTION 21 (A200 | A370)
SCALE: 1/2"= 1'-0"



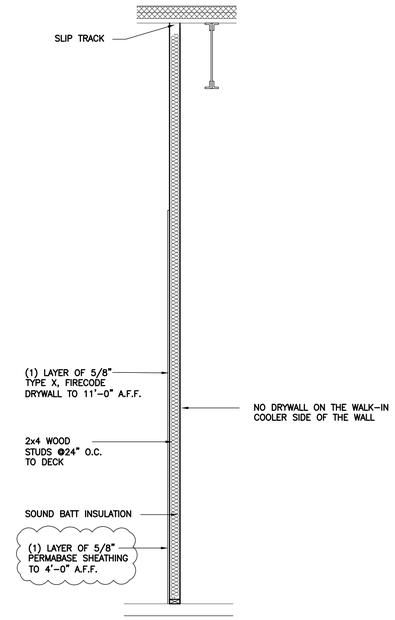
WALL SECTION 22 (A200 | A370)
SCALE: 1/2"= 1'-0"



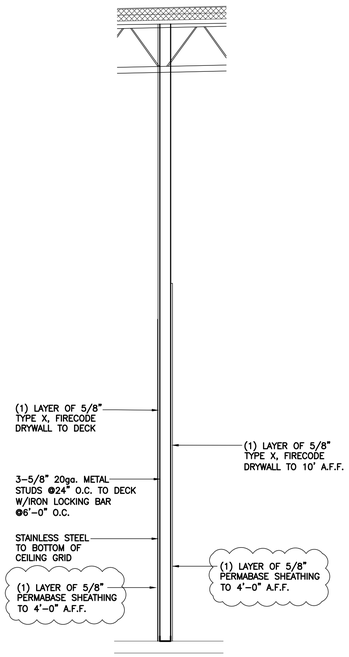
WALL SECTION 23 (A200 | A370)
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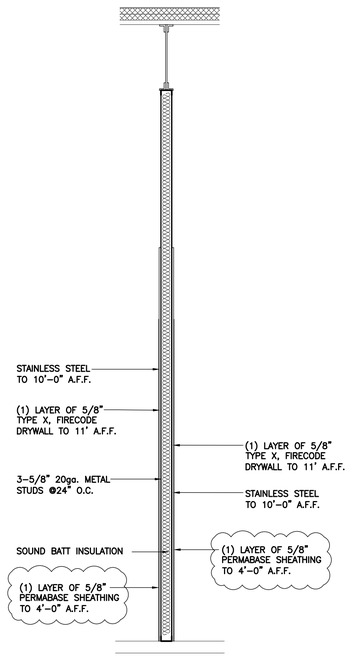
WALL SECTION 24 (A200 | A370)
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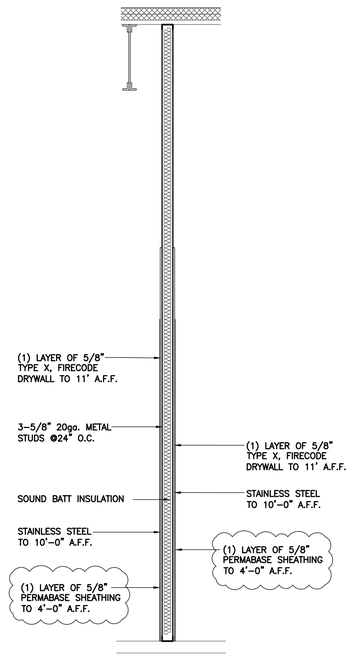
WALL SECTION 25 (A200 | A370)
SCALE: 1/2"= 1'-0"



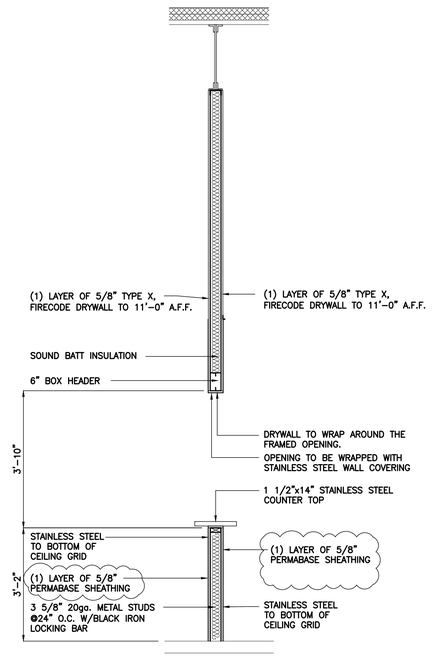
WALL SECTION 17 (A200 | A370)
SCALE: 1/2"= 1'-0"



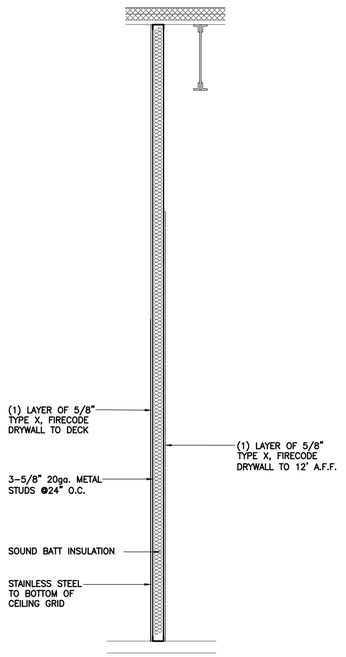
WALL SECTION 18 (A200 | A370)
SCALE: 1/2"= 1'-0"



WALL SECTION 18A (A200 | A370)
SCALE: 1/2"= 1'-0"



WALL SECTION 19 (A200 | A370)
SCALE: 1/2"= 1'-0"



WALL SECTION 20 (A200 | A370)
SCALE: 1/2"= 1'-0"

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Interior Wall Sections

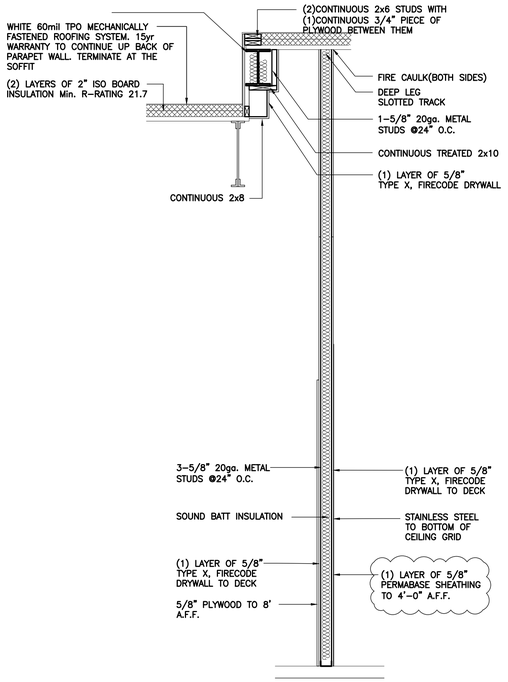
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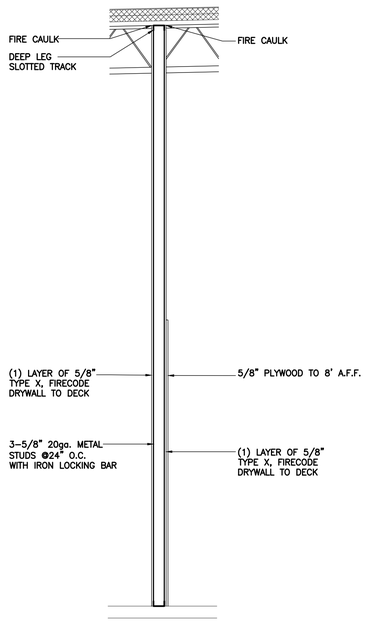
TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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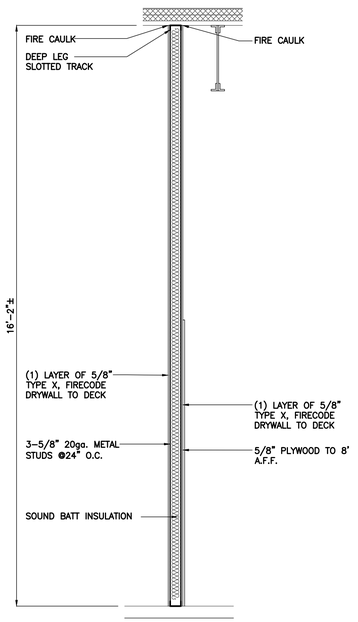
SHEET TITLE:
A370



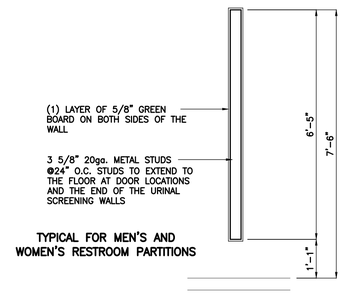
WALL SECTION 26
SCALE: 1/2"= 1'-0"
A200 A375



WALL SECTION 27
SCALE: 1/2"= 1'-0"
A200 A375



WALL SECTION 28
SCALE: 1/2"= 1'-0"
A200 A375



TYPICAL FOR MEN'S AND WOMEN'S RESTROOM PARTITIONS

WALL SECTION 29
SCALE: 1/2"= 1'-0"
A200 A375

REVISION
02.10.23 FRAMING AND SHEATHING REVISED PER TENANT

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300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Interior Wall Sections

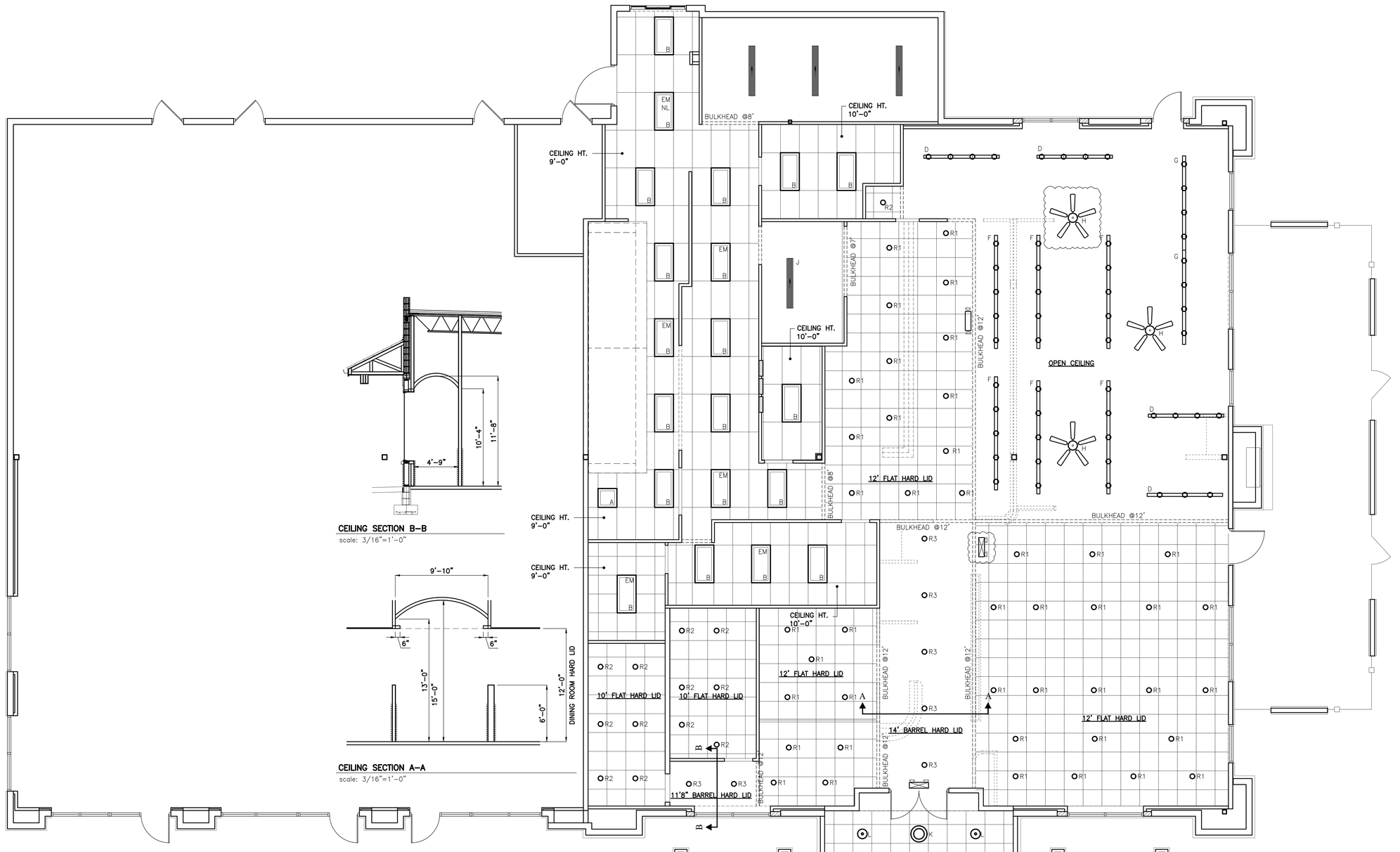
Job No.	Date Stamped		
21081	05.06.22		
Drawn By		Checked By	Scale:
ket		mjt	1/2"=1'-0"

CAD FILE:
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SHEET TITLE:
A375



CEILING SECTION B–B

scale: 3/16"=1'-0"

CEILING SECTION A–A

scale: 3/16"=1'-0"

SUSPENDED CEILING NOTES

1. HANGER WIRES MUST BE NO. 12ga. MIN. SOFT–ANNEALED, MILD STEEL WIRE. WIRE SHALL BE WRAPPED TIGHTLY AT RUNNERS AND SUPPORTS AND TIED WITH A MIN. OF 3 TURNS.
2. CLIPS SHALL HOLD RUNNERS TIGHTLY TOGETHER. SPLICE CLIPS SHALL BE CAPABLE OF RESISTING ATLEAST 50lbs. IN TENSION OR COMPRESSION.
3. FOR MANUFACTURED SYSTEMS, SUBMIT SUBSTANTIATION IN ACCORDANCE WITH U.B.C. STANDARD SECTION 47.18811.
5. LOCAL KINKS AND BENDS SHALL NOT BE MADE IN HANGER WIRES FOR LEVELING
6. FOR SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLE'S PROVIDE ADDITIONAL TEE'S AND WIRE HANGERS AS REQUIRED
7. COORDINATE CLEARANCES WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
8. CEILING HEIGHTS ARE FROM FINISH FLOOR

   COORDINATE ALL LOCATIONS OF CEILING ACCESS PANELS

SUSPENDED CEILING SPECIFICATIONS

- NON–FOOD AREAS
  - 2x2 CEILING – EMPLOYEE RESTROM
    - ARMSTRONG PRELUDE XL 15/16" WHITE CEILING GRID.
    - 1732 5/8" ARMSTRONG CEILING TILES
    - ANGLED TEGULAR 15/16
    - COLOR: WHITE
  - 2x4 CEILING – OFFICE
    - ARMSTRONG PRELUDE XL 15/16" WHITE CEILING GRID
    - 1732 5/8" ARMSTRONG CEILING TILES
    - SQUARE LAY–IN 15/16
- FOOD HANDLING AREAS (SHADED CEILING)
  - ARMSTRONG AL PRELUDE PLUS XL ALUMINUM 15/16" WHITE CEILING GRID.
  - ARMSTRONG KITCHEN ZONE: 673 TILES. COLOR: WHITE
- SUSPENDED HARD LID CEILING WHERE FLAT HARD LID NOTED
  - ARMSTRONG DRYWALL FLAT CEILING SUSPENSION SYSTEM
  - HEIGHT AS NOTED

LEGEND

LABEL/SYMBOL	DESCRIPTION
A	PHILLIPS 2x2 LED LAY–IN LIGHT FIXTURE 2FGC45L835–2–D–UNV–DIM 34 WATTS NL: NIGHT LIGHT EM: EMERGENCY LIGHT
B	PHILLIPS 2x4 LED LAY–IN LIGHT FIXTURE 2FGG54L835–4–D–UNV–DIM 34 WATTS
D	8' LYTESPAN BLACK TRACK WITH (3) PHILLIPS COREPRO LED LIGHTS – LT08RNF930BK 9 WATTS PER HEAD
F	12' LYTESPAN BLACK TRACK WITH (5) PHILLIPS COREPRO LED LIGHTS – LT08RNF930BK 9 WATTS PER HEAD
G	10' LYTESPAN BLACK TRACK WITH (4 PHILLIPS COREPRO LED LIGHTS – LT08RNF930BK 9 WATTS PER HEAD
H	PHILLIPS OASIS 60" FAN – 9PQFD 80 WATTS
J	RDA LFX–LED40–B–4K–GTY–DIM–NSF / VAPORTITE 39 WATTS

LABEL/SYMBOL	DESCRIPTION
R1	6" WAFER LED RECESSED LIGHT LITHONIA WF6 LED 30K 90CRI MW – 14 WATTS OR EQUAL
R2	6" WAFER LED RECESSED LIGHT LITHONIA WF6 LL LED 30K 90CRI MW – 14 WATTS OR EQUAL
R3	3" WAFER LED RECESSED LIGHT TAMLITE CLY3–30K/WH – 7.5 WATTS OR EQUAL
K	CHANDELIER BY OWNER > $2000 ALLOWANCE FOR ALL 3 LIGHT FIXTURES
L	CHANDELIER BY OWNER

N

REVISION
03.09.23 (1) fan(H) added
03.09.23 exit/emer. light relocated

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Mount Comfort, Indiana 46140

Reflected Ceiling Plan

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

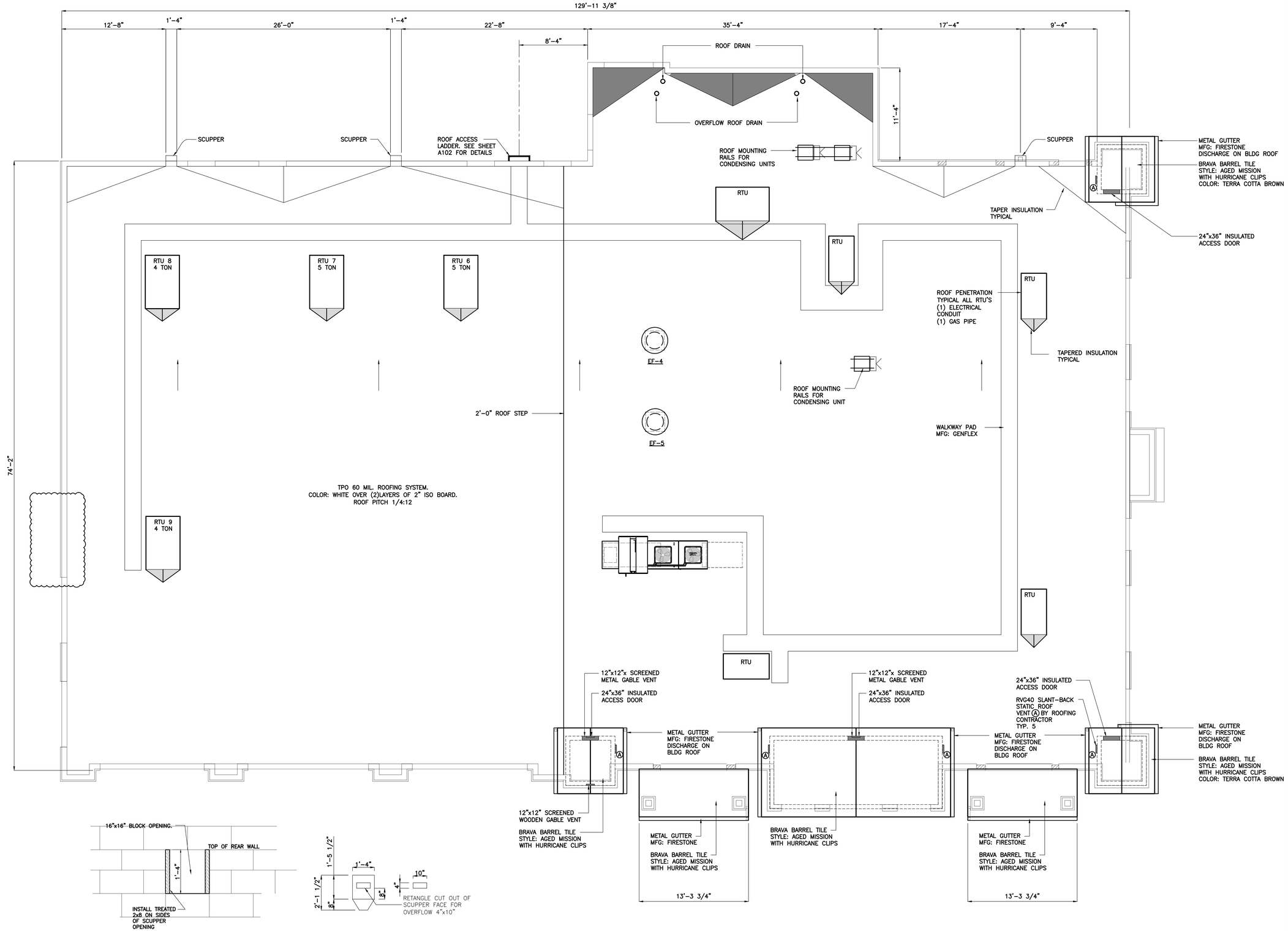
CAD FILE:
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SHEET TITLE:

A400



SCUPPER AND OPENING DETAIL
scale: n.t.s.

N

REVISION
01.11.23 West wall revised

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Mount Comfort, Indiana 46140

Roofing Plan

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
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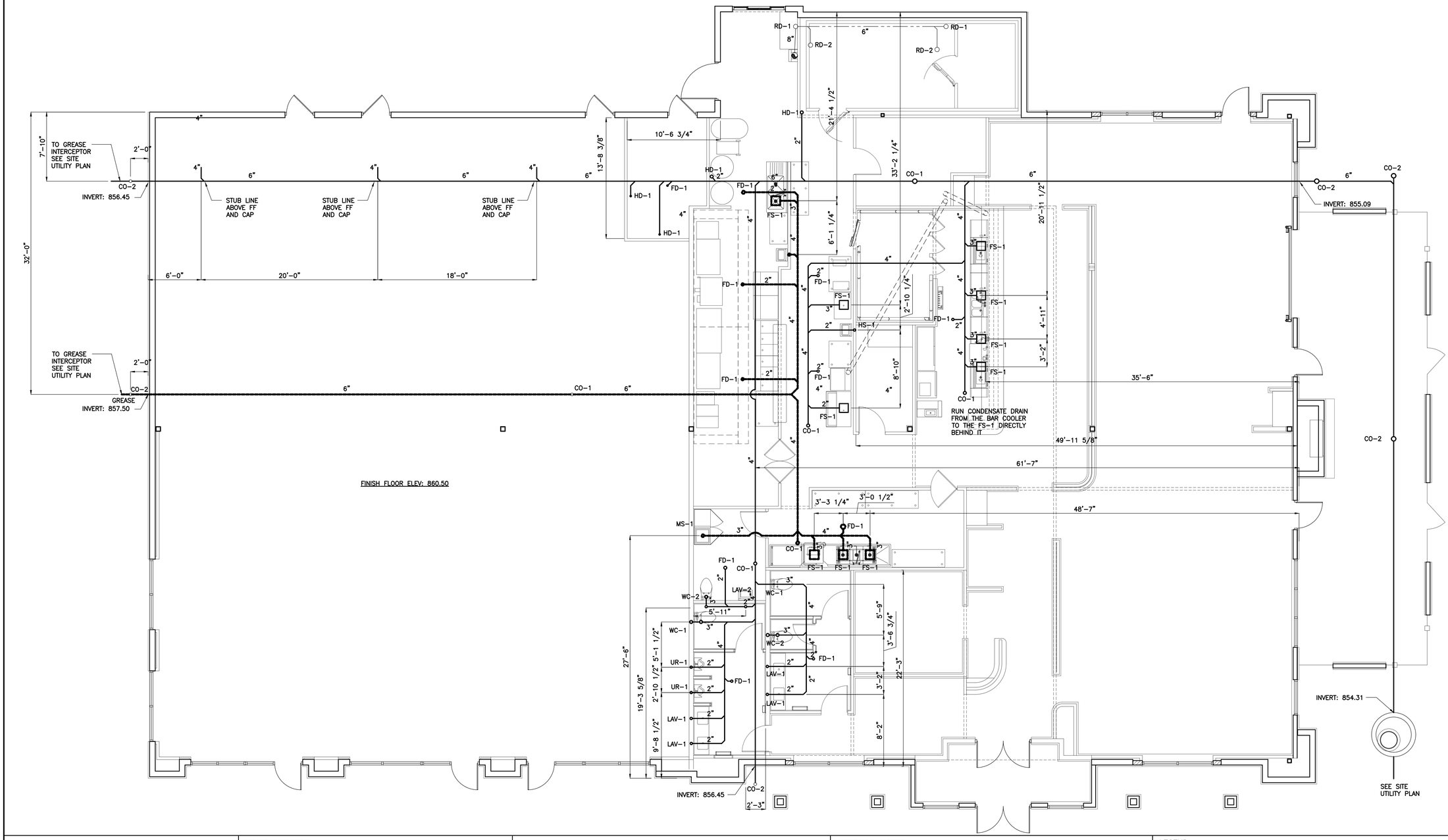
CAD FILE:
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SHEET TITLE:

A500



GENERAL NOTES

1. ALL PLUMBING FIXTURES TO BE FULLY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES ACT OF 1990. FIXTURES AND THEIR INSTALLATION SHALL ALSO COMPLY WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) PUBLICATION A117.1 – PROVIDING ACCESSIBILITY AND USABILITY FOR PHYSICALLY HANDICAPPED PEOPLE AND/OR GOVERNING CODES. ALL PLUMBING FIXTURES EQUIPMENT, TRIM & FITTINGS SHALL COMPLY WITH CITY REQUIREMENTS, AND FEDERAL REGULATIONS AND CODES, INCLUDING, BUT NOT LIMITED TO, WATER AND ENERGY CONSERVATION CODES. THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES AND EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTORS BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS AND CODES

2. PROVIDE THERMOSTATIC MIXING VALVE AT ALL LAVATORIES AND HAND SINKS. PROVIDE ZURN TMV–1 TO 15 GPM, NOT TO EXCEED 3 PSI, W/ UNION STOP CHECK INLETS, AND REMOVABLE STAINLESS STEEL STRAINERS, DIAL THERMOMETER AND DISCHARGE VALVE SUPPLIES 110°F.

PLUMBING NOTES

1. ALL WASTE AND VENT PIPING TO BE NSF APPROVED SCH. 40 PVC
2. ALL PLUMBING LINES, EQUIPMENT AND THEIR INSTALLATIONS TO BE IN ACCORDANCE WITH LATEST EDITION OF THE BOCA CODE AND ALL OTHER STATE AND LOCAL PLUMBING CODES
3. PLUMBING CONTRACTOR TO PROVIDE PIPE SUPPORTS AS REQUIRED TO GIVE SUFFICIENT SUPPORT AND BRACING FOR ALL PIPING AND TAKE ALL PRECATIONS TO PREVENT ELECTROLYSIS BETWEEN DISSIMILAR METALS.
4. ALL EXPOSED HOT WATER LINES UNDER LAVATORIES TO BE INSULATED TO PROTECT AGAINST CONTACT.
5. ALL EXPOSED HOT AND COLD WATER LINES IN CEILINGS TO BE INSULATED TO PROTECT AGAINST CONTACT.

MATERIALS NOTES

1. ALL MATERIALS SHALL BE NEW, OF FIRST QUALITY AND UL LISTED FOR THE SPECIFIC PURPOSE.
2. ALL WATER AND WASTE PIPING TO BE RUN ON WARM SIDE OF INSULATION
3. DOMESTIC SUPPLY PIPING LOCATED LOCATED ABOVE THE FINISHED FLOOR SHALL BE TYPE "L" COPPER. UNDERGROUND DOMESTIC SUPPLY PIPING SHALL BE TYPE "K" COPPER.
4. THREADED FITTINGS ON GALVANIZED STEEL PIPING SHALL BE 150# CLASS GALVANIZED MALLEABLE IRON FITTING CONFORMING TO ASTM A–197 SPECIFICATION.
5. DOMESTIC HOT WATER SUPPLY PIPING SHALL BE INSULATED WITH ONE OF THE FOLLOWING: (INSTALL AS RECOMMENDED BY MANUFACTURER).
   A. 1" THICK PREFORMED FIBERGLASS WITH "K" FACTOR OF 0.23 MAXIMUM AT 75°F MEAN TEMPERATURE. JACKET TO BE FACTORY APPLIED KRAFT PAPER WITH VAPOR BARRIER
   B. 1" THICK MOLDED RIGID PHENOLIC FOAM WITH "K" FACTOR OF 0.23 MAXIMUM AT 78°F MEAN TEMPERATURE WITH FACTORY APPLIED LAMINATED ALUMINUM FOIL AND WHITE KRAFT PAPER VAPOR BARRIER JACKET.
6. PIPE INSULATION AT ALL PIPE HANGERS SHALL CONSIST OF INSUL–SHIELD FIBERGLASS PIPE SUPPORT AS MANUFACTURED BY UNUSUL–COUSTIC OR ENGINEER APPROVED EQUAL.
7. HANGERS SHALL BE OF STANDARD WEIGHT STEEL OR IRON ROD AND RING OR CLEVIS TYPE

LEGEND

———	SANITARY SEWER (WASTE) LINE. SCH. 40 PVC. ANSI NSF 14–90, ASTM D 2665–94
———	SANITARY SEWER (GREASE WASTE) LINE. SCH. 40 PVC. ANSI NSF 14–90, ASTM D 2665–94
– – – –	6" PVC UNDER SLAB CHASE FOR SODA LINES
— — — —	PVC ROOF DRAIN LINES. ALL EXPOSED LINES TO BE INSULATED WITH FIRE RATED INSULATION
LAV–1	LAVATORY – UNDERMOUNT
WC–1	POWER FLUSH WATER CLOSET
FD–1	ZURN FLOOR DRAIN WITH SURE SEAL FLOOR DRAIN TRAP SEALER. MODEL SS2009L ASME A112.21.1M–91(NOTE 1)
MS–1	24"x24" FIBERGLASS MOP SINK
FS–1	FLOOR SINK
HD–1	HUB DRAIN
WH–1	AO SMITH BTH–199 GAS WATER HEATER
HS–1	HAND SINK
SK–1	2 COMPARTMENT SINK
SK–2	3 COMPARTMENT SINK – KITCHEN
RD–1	ROOF DRAIN
RD–2	OVERFLOW ROOF DRAIN. TOP SET 4" ABOVE ROOF

N

REVISION
06.02.22 revised sanitary location and inverts(kt)

VERSATILE CONSTRUCTION GROUP, LLC.
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300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Sanitary Plumbing Plan

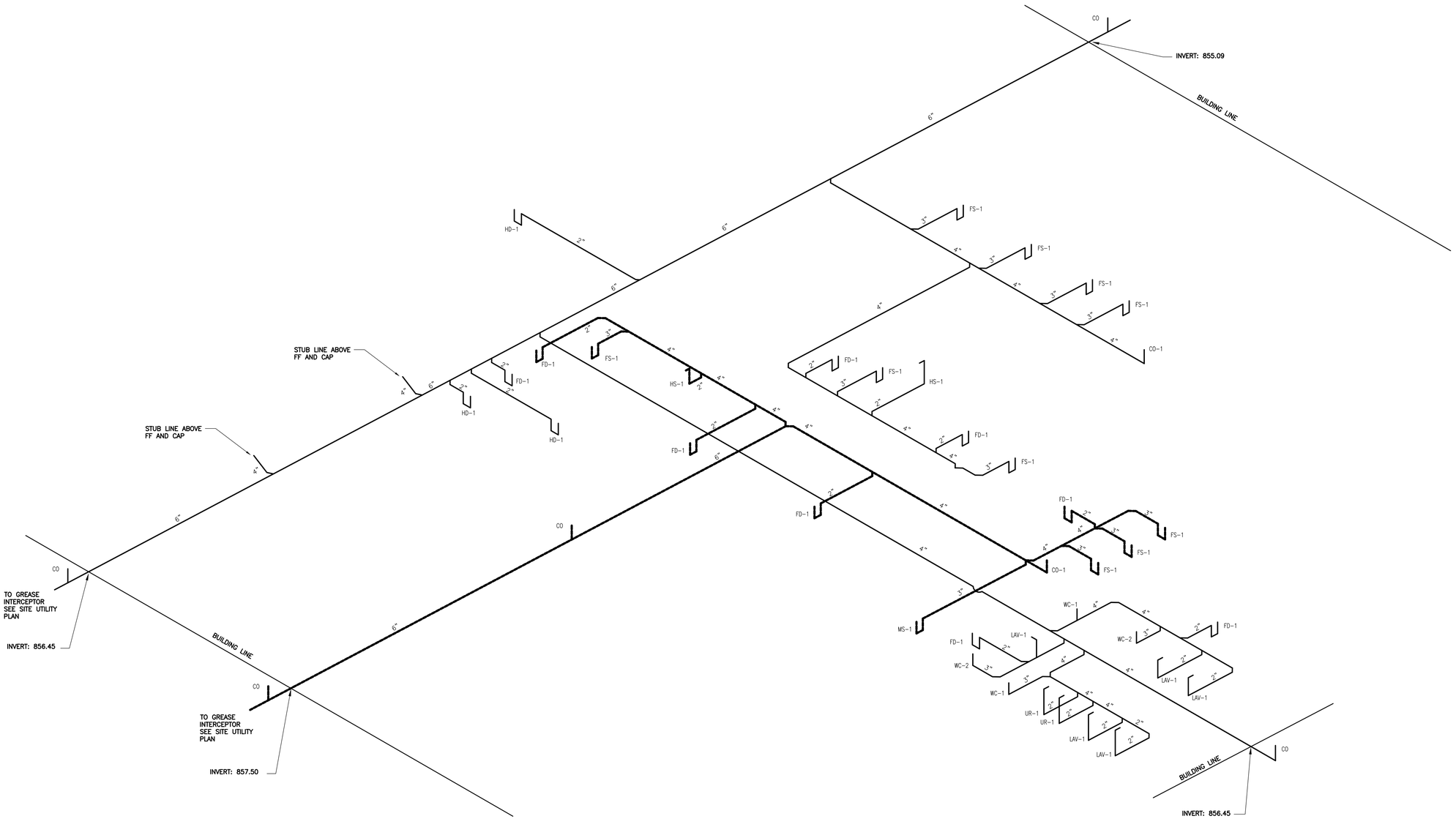
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Drawn By	Checked By	Scale:
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CAD FILE:
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TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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SHEET TITLE:
P100



GENERAL NOTES

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PLUMBING NOTES

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LEGEND

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SK-1	2 COMPARTMENT SINK
SK-2	3 COMPARTMENT SINK – KITCHEN
RD-1	ROOF DRAIN
RD-2	OVERFLOW ROOF DRAIN. TOP SET 4" ABOVE ROOF

REVISION
06.02.22 revised line locations and inverts

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300 Plaza
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Mount Comfort, Indiana 46140

Sanitary Plumbing Schematic

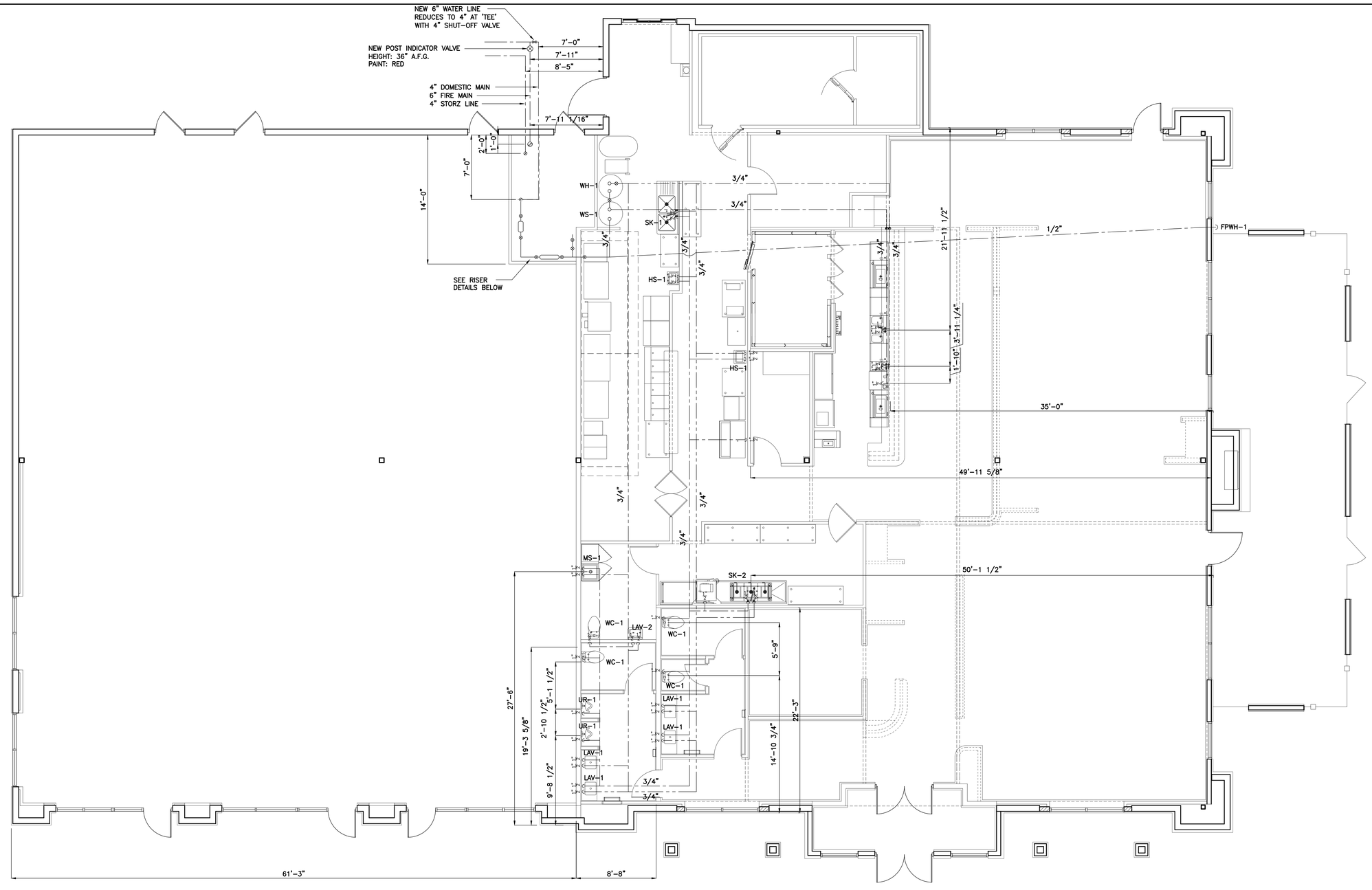
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Drawn By	Checked By	Scale:
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CAD FILE:
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SHEET TITLE:
P105



NOTES

1. ALL PLUMBING FIXTURES TO BE FULLY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES ACT OF 1990. FIXTURES AND THEIR INSTALLATION SHALL ALSO COMPLY WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) PUBLICATION A117.1 – PROVIDING ACCESSIBILITY AND USABILITY FOR PHYSICALLY HANDICAPPED PEOPLE AND/OR GOVERNING CODES. ALL PLUMBING FIXTURES EQUIPMENT, TRIM & FITTINGS SHALL COMPLY WITH CITY REQUIREMENTS, AND FEDERAL REGULATIONS AND CODES, INCLUDING, BUT NOT LIMITED TO, WATER AND ENERGY CONSERVATION CODES. THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES AND EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTORS BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS AND CODES
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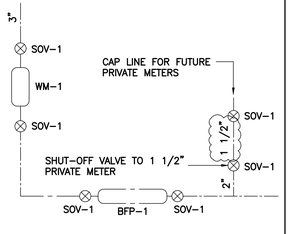
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7. HANGERS SHALL BE OF STANDARD WEIGHT STEEL OR IRON ROD AND RING OR CLEVIS TYPE

PLUMBING NOTES

1. ALL WASTE AND VENT PIPING TO BE NSF APPROVED SCH. 40 PVC
2. ALL PLUMBING LINES, EQUIPMENT AND THEIR INSTALLATIONS TO BE IN ACCORDANCE WITH LATEST EDITION OF THE BOCA CODE AND ALL OTHER STATE AND LOCAL PLUMBING CODES
3. PLUMBING CONTRACTOR TO PROVIDE PIPE SUPPORTS AS REQUIRED TO GIVE SUFFICIENT SUPPORT AND BRACING FOR ALL PIPING AND TAKE ALL PRECATIONS TO PREVENT ELECTROLYSIS BETWEEN DISSIMILAR METALS.
4. ALL EXPOSED HOT WATER LINES UNDER LAVATORIES TO BE INSULATED TO PROTECT AGAINST CONTACT.
5. ALL EXPOSED HOT AND COLD WATER LINES IN CEILINGS TO BE INSULATED TO PROTECT AGAINST CONTACT.

RISER DETAILS



LEGEND

	NEW COLD WATER PIPING ASTM B88	RD-1	ROOF DRAIN
	NEW HOT WATER PIPING ASTM B88	RD-2	OVERFLOW ROOF DRAIN. TOP SET 4" ABOVE ROOF
		SK-1	2 COMPARTMENT SINK
LAV-1	LAVATORY – UNDERMOUNT	SK-2	3 COMPARTMENT SINK – KITCHEN
LAV-2	LAVATORY – UNDERMOUNT	SK-3	3 COMPARTMENT SINK –
WC-1	POWER FLUSH WATER CLOSET	SK-4	BAR WATER STATION WITH ICE BIN
FD-1	ZURN FLOOR DRAIN WITH SURE SEAL FLOOR DRAIN TRAP SEALER. MODEL SS2009L ASME A112.21.1M-91(NOTE 1)	BFP-1	3" BACKFLOW PREVENTOR
		WM-1	3" WATER METER
MS-1	24"x24" FIBERGLASS MOP SINK	SOV-1	SHUT-OFF VALVE
FS-1	FLOOR SINK		
HD-1	HUB DRAIN		
WH-1	AO SMITH BTH-199 GAS WATER HEATER		
HS-1	HAND SINK		
DS-1	DUMP SINK		

N

REVISION
03.15.23 revised riser detail

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Mount Comfort, Indiana 46140

Water Plumbing Plan

Job No.	Date Stamped	
21081	04.12.2022	
Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

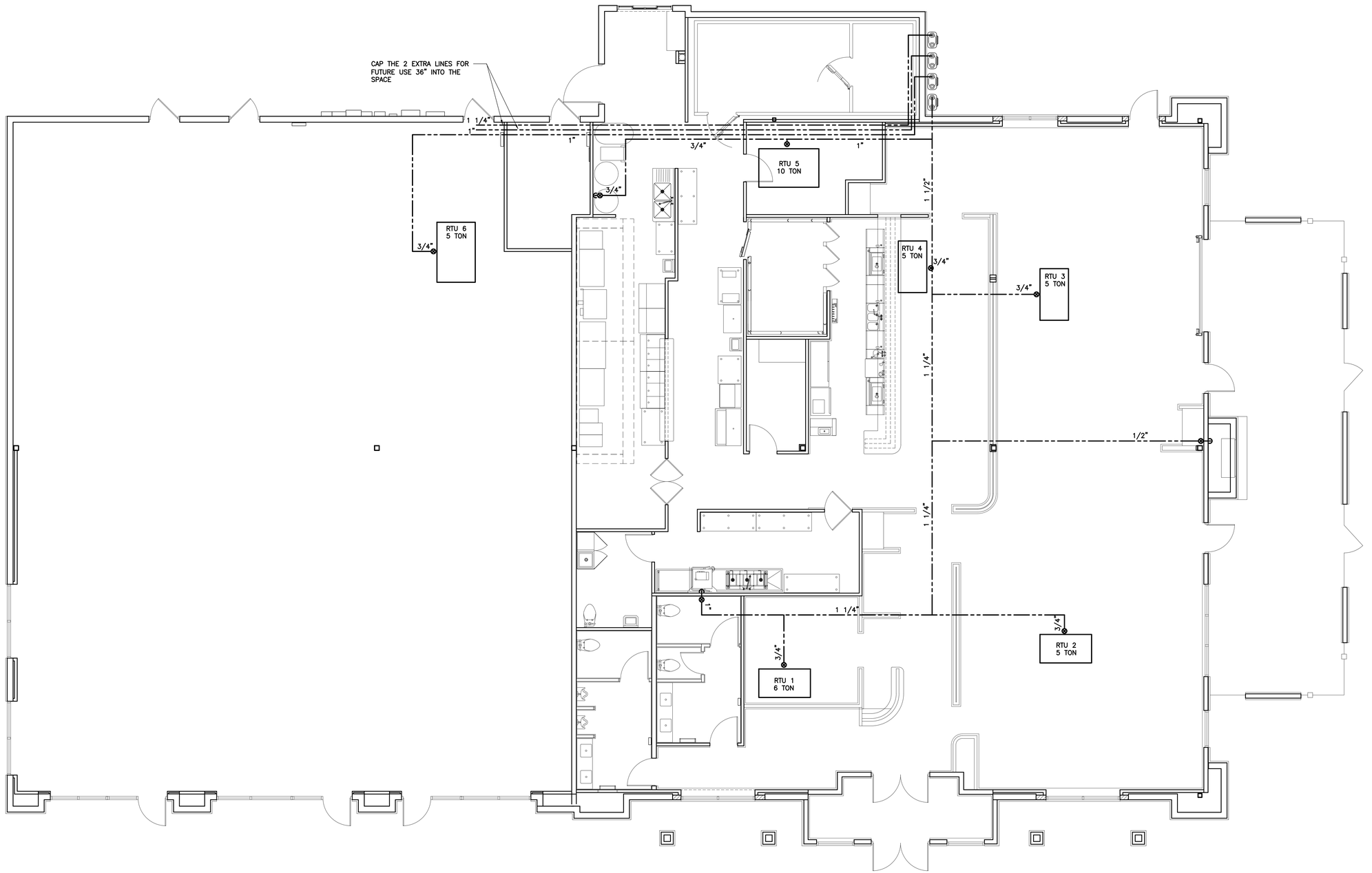
CAD FILE:
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TRENT A. BAKER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
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SHEET TITLE:

P200



LEGEND

NEW SCH. 40 BLACK IRON GAS PIPING. LINES TO RUN UP THE OUTSIDE OF THE BUILDING AND INTO THE BUILDING 3" BELOW THE BAR JOISTS.

NOTE

INSTALL A SHUTOFF VALVE BEFORE ALL EQUIPMENT CONNECTIONS

N

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Gas Piping Plan

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
kt	mjt	3/16"=1'-0"

CAD FILE:
G:\21081\p300 gas piping plan.dwg

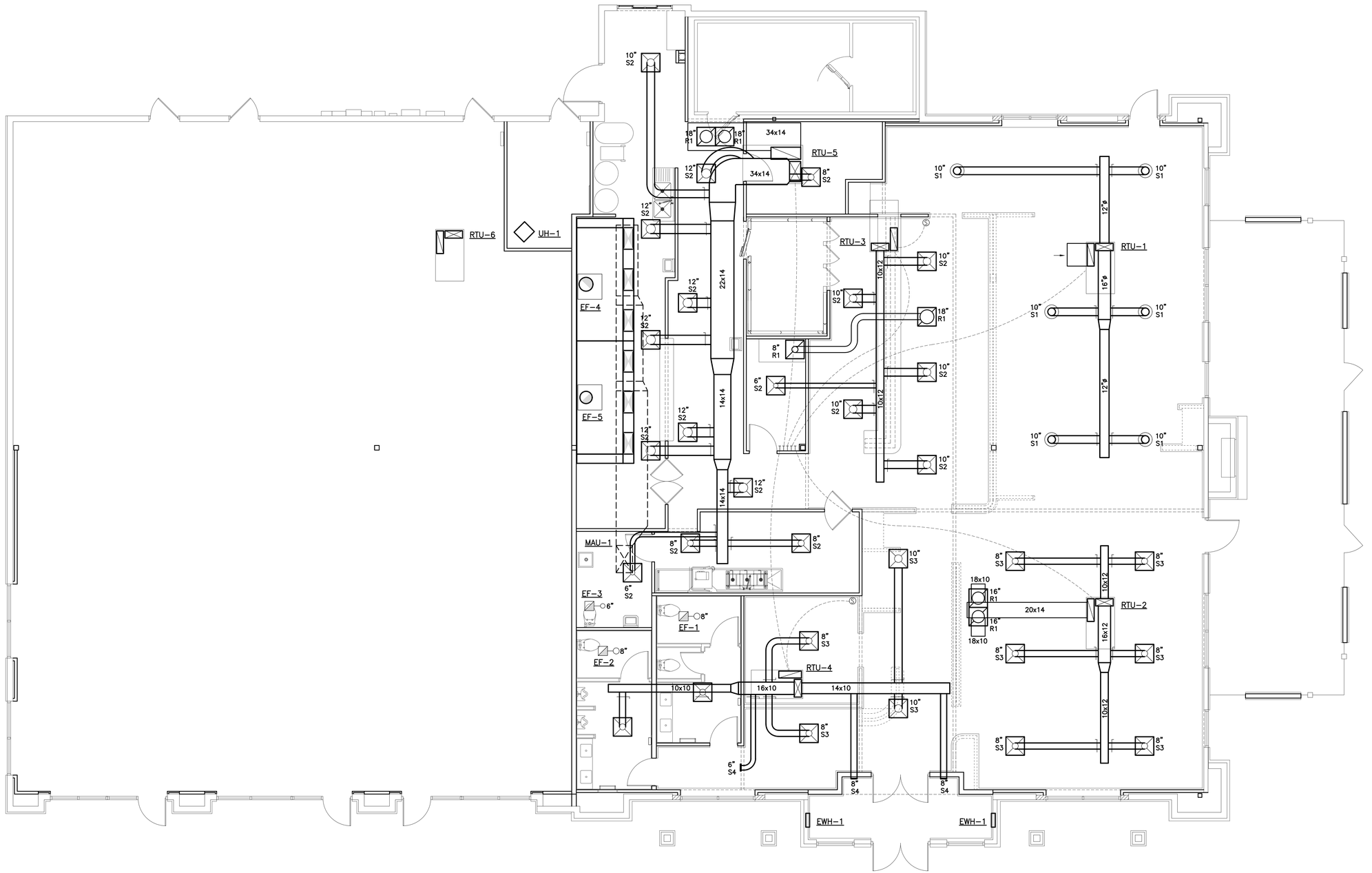
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SHEET TITLE:

P300



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Mechanical Plan

Job No.	Date Stamped	
21081	03.31.23	
Drawn By	Checked By	Scale:
kt	mjt	3/16"=1'-0"

CAD FILE:
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SHEET TITLE:

M100

ELECTRIC UNIT HEATER SCHEDULE

TAG	MANUFACTURE	MODEL	AREA SERVED	TYPE	HEATING OUTPUT (BTUH)	KW	ELECTRICAL VOLTAGE/PHASE	MCA	ACCESSORIES
UH-1	MARKEL	UH050240	RISER AND ELECTRICAL	SUSPENDED	12.8	3	208/1	12.1	2,3,5
EWH-1	MARKEL	WH3325	VESTIBULE	RECESED	12.5	3	208/1	12.5	3,5

ACCESSORIES

1. SURFACE MOUNTING ADAPTER
2. SUSPENDED MOUNTING
3. INTEGRAL THERMOSTAT
4. REMOTE THERMOSTAT
5. DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR
6. TRIM KIT FOR HARD LID

AIR DEVICE SCHEDULE

TAG	MANUFACTRER	MODEL	TYPE	NECK SIZE	FRAME SIZE	MAX PD (IN WC)	MAX NC	PATTERN	NUMBER OF SLOTS	MATERIAL	FINISH	REMARKS/NOTES
S-1	PRICE	RCDE	SUPPLY	REF. PLAN	ROUND			360 DEGREE		STEEL	WHITE	5
S-2	PRICE	SPD	SUPPLY	REF. PLAN	24"X24"			360 DEGREE		STEEL	WHITE	3
S-3	PRICE	SPD	SUPPLY	REF. PLAN	24"X24"			360 DEGREE		STEEL	WHITE	
S-4	PRICE	520-D	SUPPLY	REF. PLAN	REF. PLAN			ADJUSTABLE		STEEL	WHITE	4
R1	PRICE	530-F	RETURN	REF. PLAN	24"X24"			FIXED		STEEL	WHITE	3
R2	WIRE MESH CAP		RETURN	REF. PLAN	DUCT SIZE			FIXED		STEEL	GALVANIZED	

REMARKS/NOTES

1. OPPOSED BLADE BALANCIBG DAMPER
2. FIRE BLANKET
3. LAY IN
4. SURFACE MOUNT
5. DUCT MOUNTED
6. CENTER NOTCH
7. SOUND BOOT
8. MOUNTING FRAME

FAN SCHEDULE

TAG	MANUFACTURE	MODEL	AREA SERVED	LOCATION	FAN TYPE	AIR FLOW (CFM)	ESP (IN WG)	SONE	FAN MOTOR (RPM)	DRIVE TYPE	DAMPER TYPE	ELECTRICAL VOLT/PHASE	HP	ACCESSORIES
EF-1	GREENHECK	SP-B290	RESTROOM	CEILING	CEILING	210	0.25	3	1050	DIRECT	BDD	115/1		4,7,14,16
EF-2	GREENHECK	SP-B150	RESTROOM	CEILING	CEILING	140	0.25	3	1050	DIRECT	BDD	115/1		4,7,14,16
EF-3	GREENHECK	SP-B90	RESTROOM	CEILING	CEILING	70	0.25	2.5	675	DIRECT	BDD	115/1		4,7,14,16
EF-4	CAPTIVE-AIRE	DU180HFA	KITCHEN HOOD	ROOF	CENTRIFUGAL	2250	-1.3		1145	DIRECT		208/3	2	
EF-5	CAPTIVE-AIRE	DU180HFA	KITCHEN HOOD	ROOF	CENTRIFUGAL	2812	-1.3		1258	DIRECT		208/3	2	

ACCESSORIES:

1. INSULATED ROOF CURB
2. MOTORIZED DAMPER
3. MOTOR SIDE GUARDS
4. GRAVITY BACKDRAFT DAMPER
5. GALVANIZED BIRD GUARD
6. ALUMINUM CONSTRUCTION
7. DISCONNECT SWITCH BY EC
8. EXPLOSION PROOF MOTOR
9. VIBRATION ISOLATORS
10. WEATHER PROOF COVER
11. INLINE INSTALLATION
12. CONTINUOUS OPERATION
13. CONTROLLED BY BOILER OPERATION
14. CONTROLLED BY LIGHT/MOTION SWITCH
15. DRAIN FITTING
16. FAN SPEED CONTROLLER
17. 24" HIGH ROOF CURB
18. MAGNETIC STARTER BY ELECTRICAL CONTRACTOR
19. FIRESTAT SWITCH
20. TOGGLE SWITCH
21. HANGING BRACKET
22. BOLTED ACCESS DOOR
23. INLET BELL
24. MOTOR COVER
25. WALL HOUSING
26. VARIABLE FREQUENCY DRIVE
27. COATED
28. UL 762

ROOFTOP SCHEDULE

TAG	MANUFACTURE	MODEL	AREA SERVED	AIR FLOW (CFM)	VENTILATION AIR (CFM)	ESP (IN WG)	TONS	COOLING TOTAL (MBH)	COOLING SENSIBLE (MBH)	HEATING INPUT (MBH)	EFF.	SUPPLY FAN HP	ENTERING AIR WB (DEG F)	ENTERING AIR DB (DEG F)	ELECTRICAL VOLTS/PHASE	ELECTRICAL MCA	ELECTRICAL MOCP	ACCESSORIES
RTU #1	CARRIER	48FCEA06A2A5-0A0A0	DINING	2000	0	0.8	5	59.37	45.3	110	80%	1.04	67	80	208/3	31	45	1,3,7,11,12,13,14
RTU #2	CARRIER	48FCEA05A2A5-0A0A0	DINING	1600	0	0.8	4	48.71	34.31	110	80%	0.62	67	80	208/3	26	30	1,3,7,11,12,13,14
RTU#3	CARRIER	48FCEA05A2A5-0A0A0	BAR	1600	0	0.8	4	48.71	34.31	110	80%	0.62	67	80	208/3	26	30	1,3,7,11,12,13,14
RTU#4	CARRIER	48FCEA05A2A5-0A0A0	ENTRY/VESTIBULE	1600	0	0.8	4	48.71	34.31	110	80%	0.62	67	80	208/3	26	30	1,3,7,11,12,13,14
RTU#5	CARRIER	48FCEM12B2M5-6F1CO	KITCHEN	4000	0	0.8	10	125.75	96.22	224	82%	2.02	67	80	208/3	45	60	1,3,7,11,12,13,14
RTU#6	CARRIER	48FCEA06A2A5-0A0A0	TENANT (VACANT)	2000	0	0.8	5	59.37	45.3	110	80%	1.04	67	80	208/3	31	45	1,3,7,11,12,13,14
MAU#1	CAPTIVE-AIRE	A3-D.500-24D-MPU	KITCHEN HOOD	0	5582	0.5	10	120	0	435	0%	7.5	0	0	208/3	21.1	30	1,3,7,11,12,13,14

ACCESSORIES

1. ADJ. PITCH ROOF CURB
2. 30% PLEATED FILTERS
3. 100% ECONOMIZER WITH ENTHALPY CONTROLS AND BAROMETRIC RELIEF DAMPER
4. BAROMETRIC RELIEF DAMPERS
5. 2-POSITION - SPRING RETURN DAMPER FOR 25% OUTSIDE AIR
6. MANUAL OUTSIDE AIR DAMPER
7. RETURN AIR SMOKE DETECTOR
8. SUPPLY AIR SMOKE DETECTOR
9. LOW AMBIENT CONTROLS
10. POWERED EXHAUST
11. FUSED DISCONNECT
12. CONVENIENCE OUTLET
13. PROGRAMMABLE THERMOSTAT
14. MEDIUM STATIC DRIVE MOTOR
15. DEMAND CONTROL VENTILATION

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Mechanical Schedules

Job No. 21081 | Date Stamped 03.31.23
Drawn By kt | Checked By mjt | Scale: 3/16"=1'-0"

CAD FILE: G:\21081\m105 mechanical schedules.dwg

TROY A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER

Trent A. Baxter
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SHEET TITLE:

M105

HOOD INFORMATION – JOB#5330720

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW
1	KH-1 (Left)	6030 ND-2-PSP-F	CAPTIVEAIRE	12' 3"	600 DEG	I	HEAVY	200	2450			4"	16"	2450	1755	-0.830"	2205	430 SS WHERE EXPOSED	LEFT	ALONE
2	KH-2 (Right)	6030 ND-2-PSP-F	CAPTIVEAIRE	12' 3"	600 DEG	I	HEAVY	250	3062			4"	18"	3062	1733	-0.992"	2450	430 SS WHERE EXPOSED	RIGHT	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	KH-1 (Left)	CAPTRATE SOLO FILTER	9	20"	16"	85% SEE FILTER SPEC	6	SCREW IN HALOGEN	NO	LEFT	12"x60"x30"	TANK FS	4.0/4.0/4.0/4.0			YES	1333 LBS
2	KH-2 (Right)	CAPTRATE SOLO FILTER	9	20"	16"	85% SEE FILTER SPEC	6	SCREW IN HALOGEN	NO	RIGHT	12"x60"x30"			DCV-2111	1 LIGHT 1 FAN	YES	963 LBS

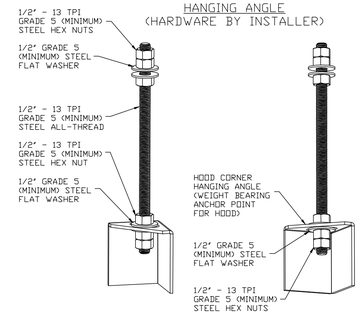
HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-1 (Left)	FIELD WRAPPER 18.00" HIGH FRONT, LEFT.
		STRUCTURAL FRONT PANEL.
		RISER SENSOR INSTALL 6IN PLEN.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
2	KH-2 (Right)	FIELD WRAPPER 18.00" HIGH FRONT, RIGHT.
		STRUCTURAL FRONT PANEL.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG	DIA	CFM	SP
1	KH-1 (Left)	Front	159"	14"	6"	MUA	12"	28"		735	0.203"
						MUA	12"	28"		735	0.203"
						MUA	12"	28"		735	0.203"
2	KH-2 (Right)	Front	159"	14"	6"	MUA	12"	28"		816	0.247"
						MUA	12"	28"		816	0.247"
						MUA	12"	28"		816	0.247"

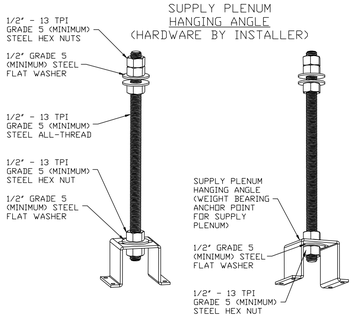
HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

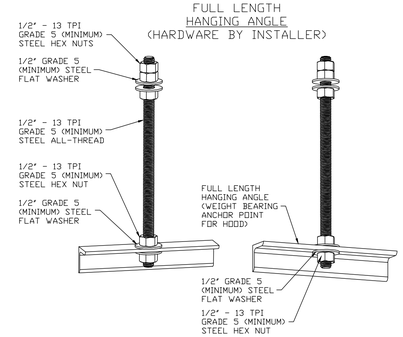
SUPPLY PLENUM HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

FULL LENGTH HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

System Design Verification (SDV)

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.

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Kitchen Hood Details

Job No.	Date Stamped
21081	04.12.2022
Drawn By: ket	Checked By: m.tworek
Scale: 3/16"=1'-0"	

CAD FILE: G:\21081\m200 kitchen hood details.dwg

TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER

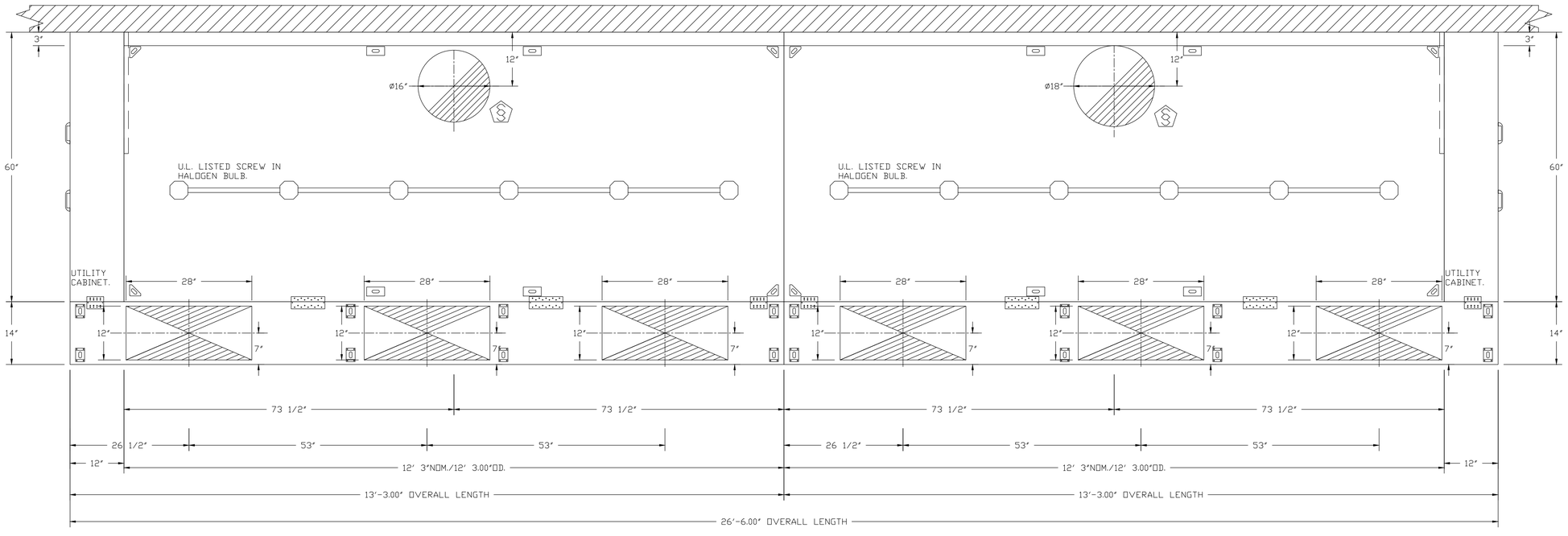
Trent A Baxter

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SHEET TITLE:

M200



PLAN VIEW – HOOD #1 (KH–1 (Left))
12' 3.00" LONG 6030ND–2–PSP–F

NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

PLAN VIEW – HOOD #2 (KH–2 (Right))
12' 3.00" LONG 6030ND–2–PSP–F

NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

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Kitchen Hood Details

Job No.	Date Stamped	
21081	04.12.2022	
Drawn By	Checked By	Scale:
ket	m.tworek	3/16"=1'-0"

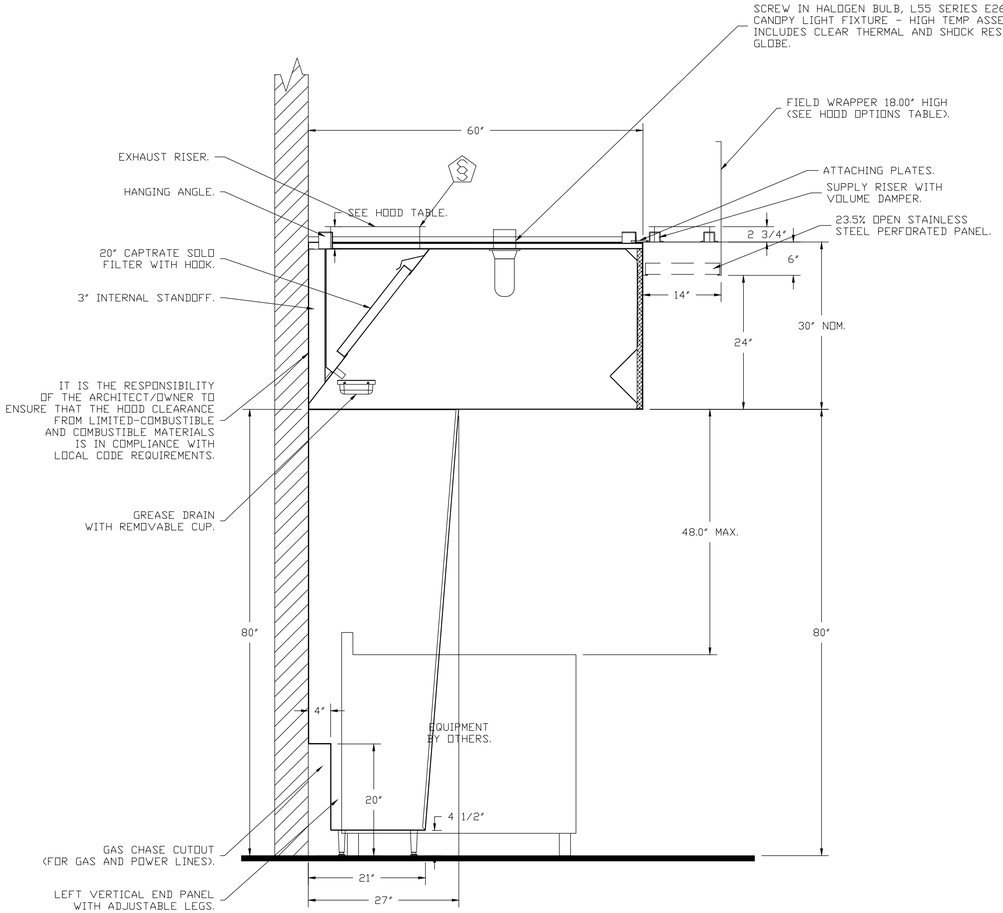
CAD FILE:
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Trent A Baxter
CERTIFIED BY:

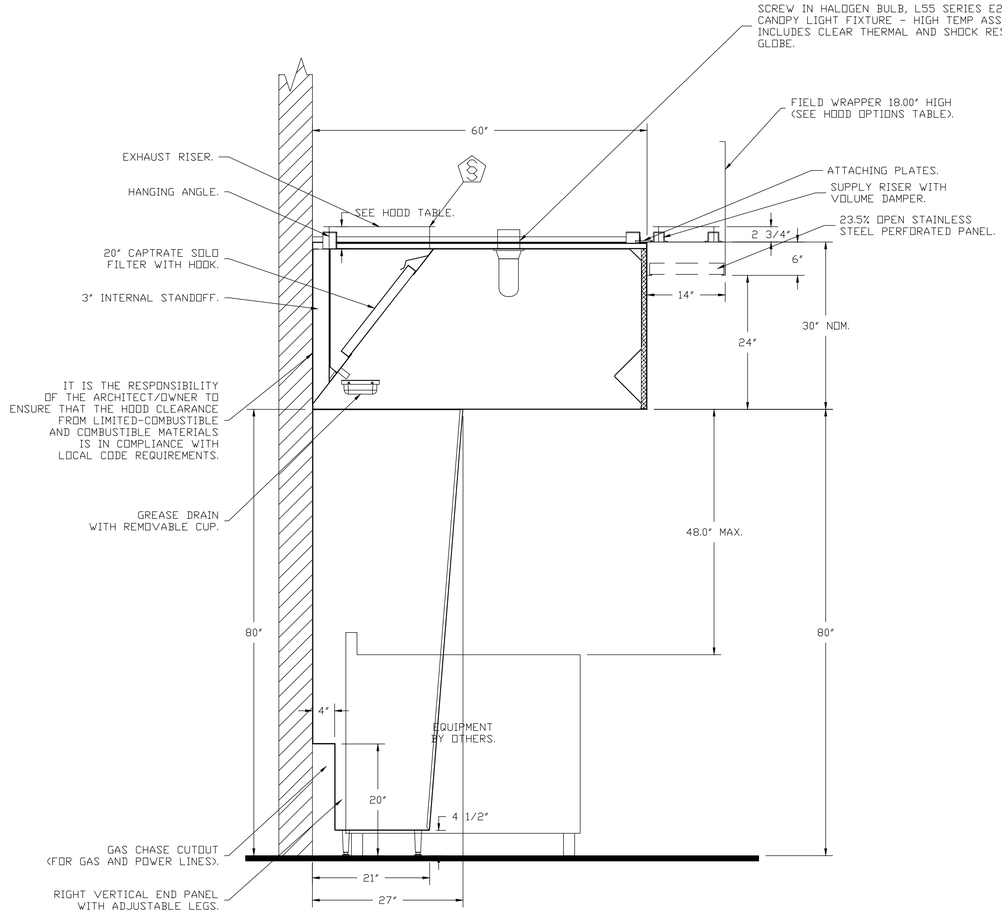
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SHEET TITLE:

M205



SECTION VIEW - MODEL 6030ND-2-PSP-F
HOOD - #1 (KH-1 (Left))



SECTION VIEW - MODEL 6030ND-2-PSP-F
HOOD - #2 (KH-2 (Right))

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Kitchen Hood Details

FACTORY PI
OF CABOV

Job No.	Date Stamped
21081	04.12.2022
Drawn By	**Checked By**	**Scale:**
ket	m.tworek	3/16"=1'-0"

CAD FILE:
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TRENT A. BAXTER
REGISTERED
No. 19700309
STATE OF INDIANA
PROFESSIONAL ENGINEER
Trent A Baxter
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SHEET TITLE:

M210

NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH UL. 300 REQUIREMENTS.

SYSTEM SIZE: TANK-SP-4 TOTAL FP REQUIRED: 74.
HOOD # 1 12' 3.00" LONG x 60" WIDE x 30" HIGH.
RISER # 1 SIZE: 16" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.
HOOD # 2 12' 3.00" LONG x 60" WIDE x 30" HIGH.
RISER # 1 SIZE: 18" DIA.
HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

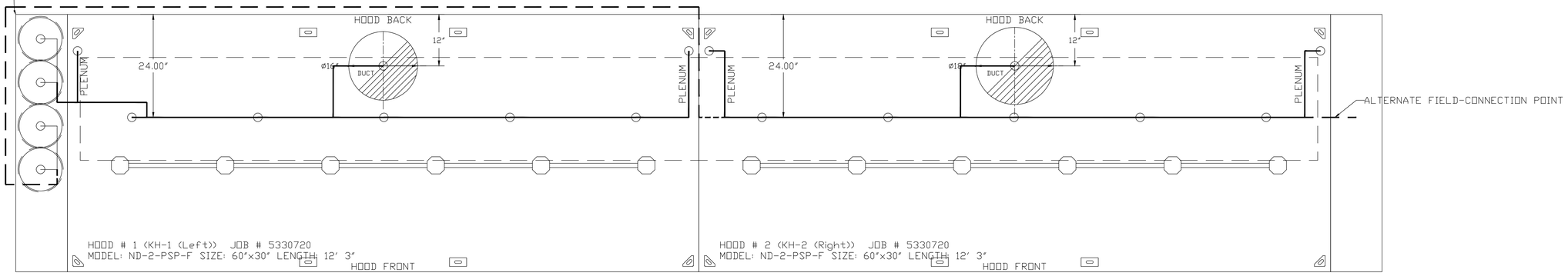
FIRE SYSTEM INFORMATION – JOB#5330720

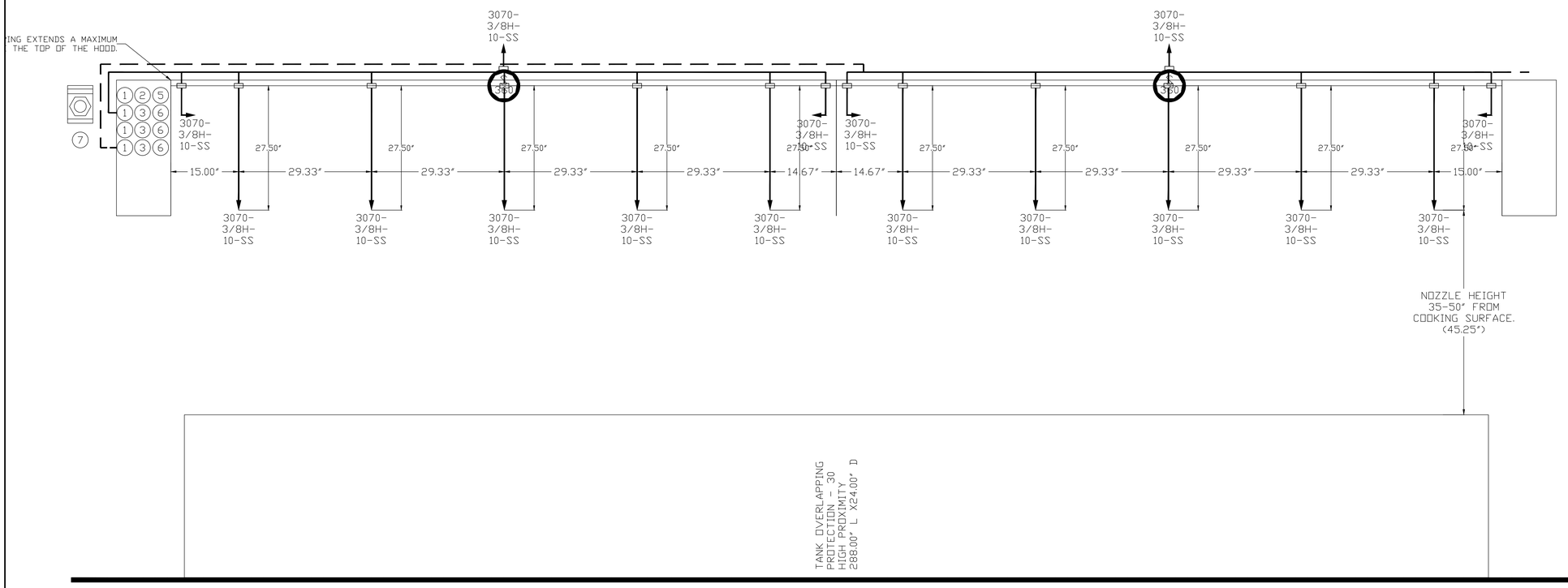
FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0/4.0/4.0	74	FIRE CABINET LEFT	LEFT, HOOD 1

LEGEND – FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.

- SYSTEM REQUIRES A MINIMUM OF 7 FT OF EQUIVALENT PIPE LENGTH BETWEEN TANK AND NEAREST APPLIANCE NOZZLE FOR MOST APPLIANCES. EACH 90 DEGREE ELBOW ADDS 1.3 FT OF EQUIVALENT LENGTH. SEE MANUAL FOR DETAILS





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Kitchen Hood Details

Job No.	Date Stamped	
21081	04.12.2022	
Drawn By	Checked By	Scale:
ket	m.tworek	3/16"=1'-0"

CAD FILE:
G:\21081\m200 kitchen hood details.dwg

TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
Trent A Baxter
CERTIFIED BY:

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SHEET TITLE:

M215

EXHAUST FAN INFORMATION – JOB#5330720

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1		1	DU180HFA	CAPTIVEAIRE	2450	1.500	1233	ODP,PREMIUM	2.000	1.2710	3	208	8.3	566 FPM	227	16.7
2		1	DU180HFA	CAPTIVEAIRE	3062	1.600	1353	ODP,PREMIUM	3.000	1.7220	3	208	9.5	707 FPM	228	20

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
3		A2-D.500-20D-MPU	1	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14
			2	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14

MUA FAN INFORMATION – JOB#5330720

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
3		1	A2-D.500-20D-MPU	20MF-2-MOD	A2-D.500	3600	4655	0.500	1882	ODP,PREMIUM	5.000	3.7300	3	208	15.0	55.4A	70A	1652	22

COILS – JOB#5330720

FAN UNIT NO	TAG	COIL TYPE	DESIGN CFM	COOLING										
				ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY
3		DX	4655	89.0°F	74.0°F	74.7°F	67.7°F	---	---	---	---	106.5 MBH	68.5 MBH	38.0 MBH

HEATING								
ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY	SENSIBLE CAPACITY
---	---	---	---	---	---	---	---	---

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
3		362551	338547	69°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

FAN OPTIONS

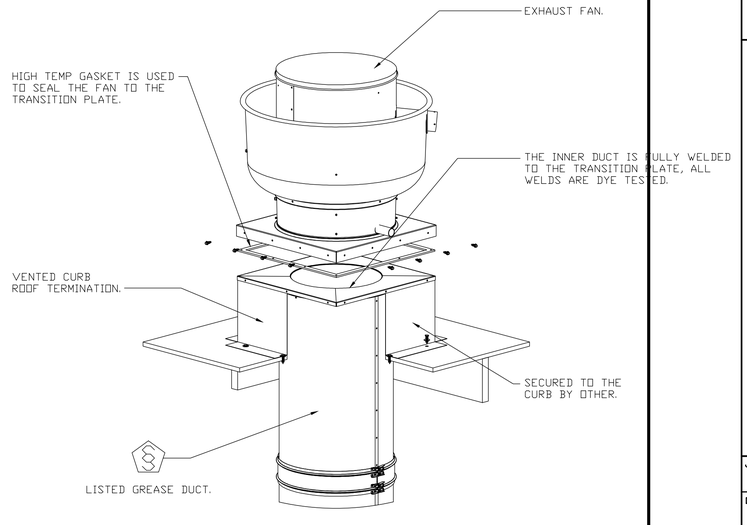
FAN UNIT NO	TAG	QTY	DESCRIPTION
1		1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - SHIP LOOSE - FOR GREASE DUCTS
		1	EXHAUST FAN HEAT BAFFLE
		1	UNIT MOUNTED VFD FOR USE WITH ECPM03
		1	VFD MOUNTING BRACKET FOR DU/DR 180 - 200
		1	45° WIND BAND EXTENSION 18/20 (SHIPS LOOSE). ADDS 3 WEEKS TO FAN LEAD TIME
		1	2 YEAR PARTS WARRANTY
2		1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - SHIP LOOSE - FOR GREASE DUCTS
		1	EXHAUST FAN HEAT BAFFLE
		1	UNIT MOUNTED VFD FOR USE WITH ECPM03
		1	VFD MOUNTING BRACKET FOR DU/DR 180 - 200
		1	45° WIND BAND EXTENSION 18/20 (SHIPS LOOSE). ADDS 3 WEEKS TO FAN LEAD TIME
		1	2 YEAR PARTS WARRANTY
3		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC
		1	LOW FIRE START
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING - MEETS AMCA CLASS 1A RATING
		1	SMOKE DETECTOR INTERLOCK (BY OTHERS)
		1	10 TON 2 CIRCUIT (5/5) MODULAR PACKAGED COOLING OPTION FOR SIZE 2 DF/EH MUA (3,600 TO 5,000 CFM), 208V/230V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION
		1	DOWNTURN PLENUM FOR SIZE 2 DX COIL MODULE
		1	SINGLE POINT MPU CONNECTION - 2 CONDENSERS
		1	UNIT MOUNTED VFD FOR USE WITH ECPM03
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES						
2		YES						
3							YES	

CURB ASSEMBLIES

NO	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	38 LBS	CURB	26.500"W X 26.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	38 LBS	CURB	26.500"W X 26.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	107 LBS	CURB	31.000"W X 79.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.
	# 3		RAIL	6.000"W X 31.000"L X 20.000"H RIGHT.



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Kitchen Hood Details

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Drawn By	Checked By / Scale:
ket	m.tworek / 3/16"=1'-0"

CAD FILE:
G:\21081\m200 kitchen hood details.dwg

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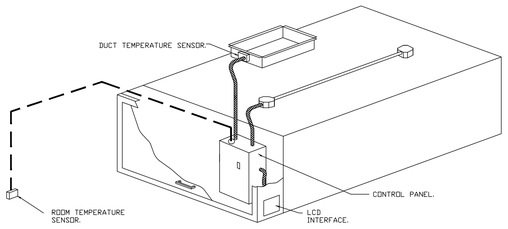
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SHEET TITLE:

M220

DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.2.8 (2015).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
  A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
  B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
  C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  E. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
  G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.

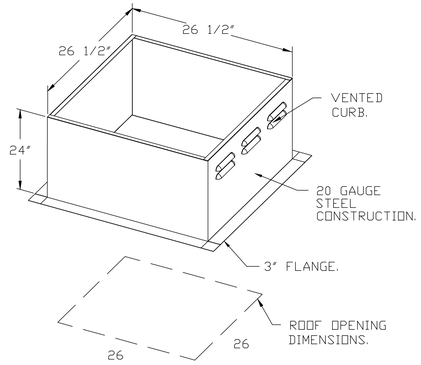


TYPICAL HOOD CONTROL PANEL INSTALLATION

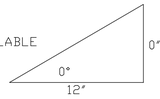
SEQUENCE OF OPERATIONS:

THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:

- AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS 'DYNAMIC', THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS 'STATIC', FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.2.8.
- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- OTHER: THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
- FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

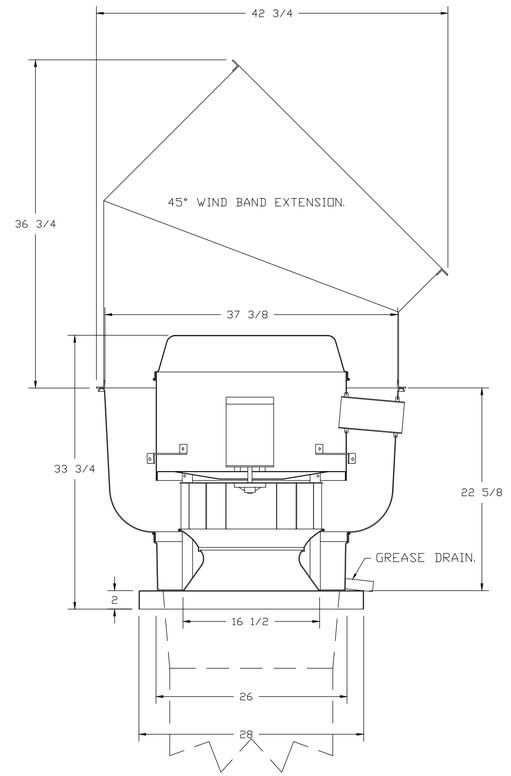


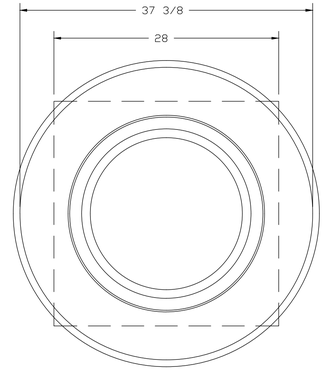
PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.

FANS #1, #2 - DU180HFA EXHAUST FAN





TOP VIEW

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Drawn By: ket	Checked By: m.tworek
Scale: 3/16"=1'-0"	

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M225

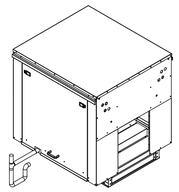
FAN #3 A2-D.500-20D-MPU - HEATER
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 20" MIXED FLOW DIRECT DRIVE FAN.
2. INTAKE HOOD WITH EZ FILTERS.
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
4. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
5. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC, 2.5" DIAMETER, 1/4" THREAD SIZE.
6. LOW FIRE START. ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
7. MOTORIZED BACK DRAFT DAMPER 22.75" X 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, LF120S ACTUATOR INCLUDED.
8. SMOKE DETECTOR INTERLOCK (BY OTHERS).
9. 10 TON, DUAL CIRCUIT (5/5) MODULAR PACKAGED COOLING OPTION FOR SIZE 2 DF/EH MODULAR PACKAGED UNIT. INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING. (3,600 TO 5,000 CFM) WHEN ORDERED WITH OPPOSITE AIRFLOW CONDENSERS ACCESS AND COIL PIPING WILL REMAIN IN STANDARD POSITION. DRAIN AND SLEDS WILL MOVE TO THE OPPOSITE SIDE. ANY OTHER CHANGE WILL REQUIRE CLI. CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION. COIL = 3EZ0802B.
10. DOWNTURN PLENUM FOR SIZE 2 COOLING COIL MODULE - REQUIRED FOR DOWN DISCHARGE COOLING COIL APPLICATIONS.
11. SINGLE POINT MPU CONNECTION, 2 CONDENSERS.
12. UNIT MOUNTED VFD FOR USE WITH ECPM03.
13. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER/MPU SECTION).
14. 2 YEAR PARTS WARRANTY

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" x 20".

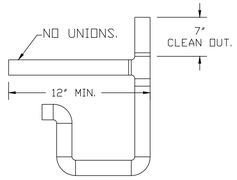
SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 6°F. TEMP. RISE = 69°F.
BTUs CALCULATED OFF ACTUAL AIR DENSITY.
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 343145.
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 372984.
OUTPUT BTUs AT ALTITUDE OF 783 FT. = 333547.
INPUT BTUs AT ALTITUDE OF 783 FT. = 362551.

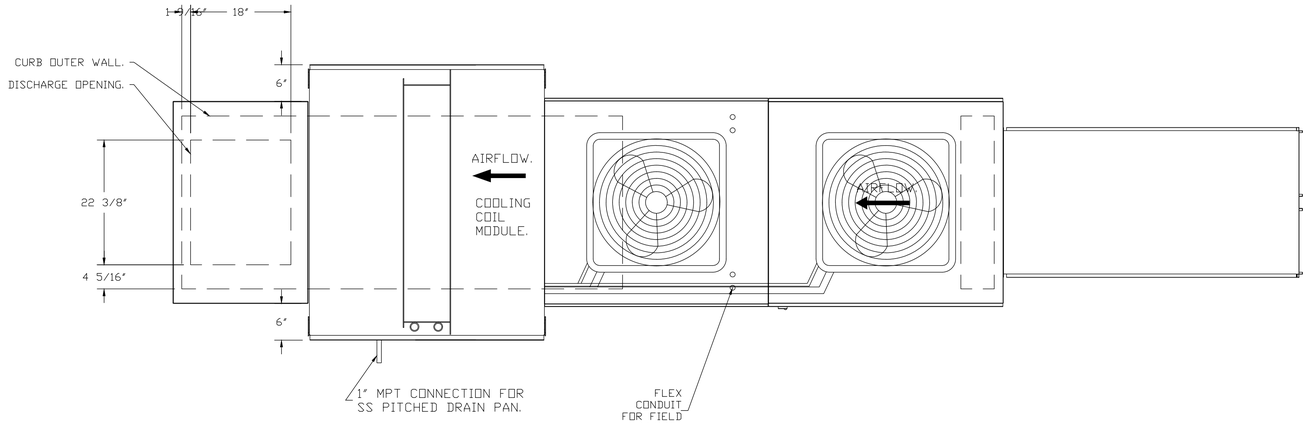
TYPICAL DRAIN TRAP INSTALL

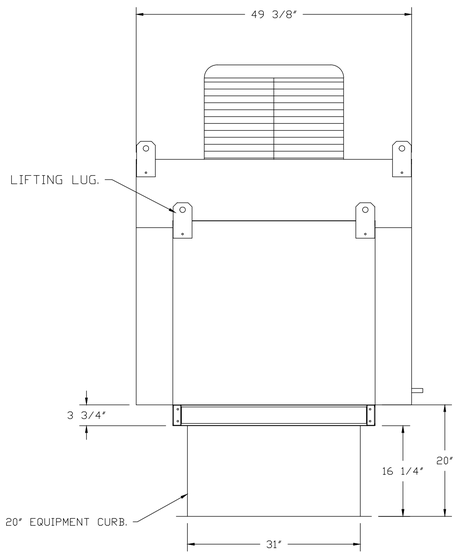


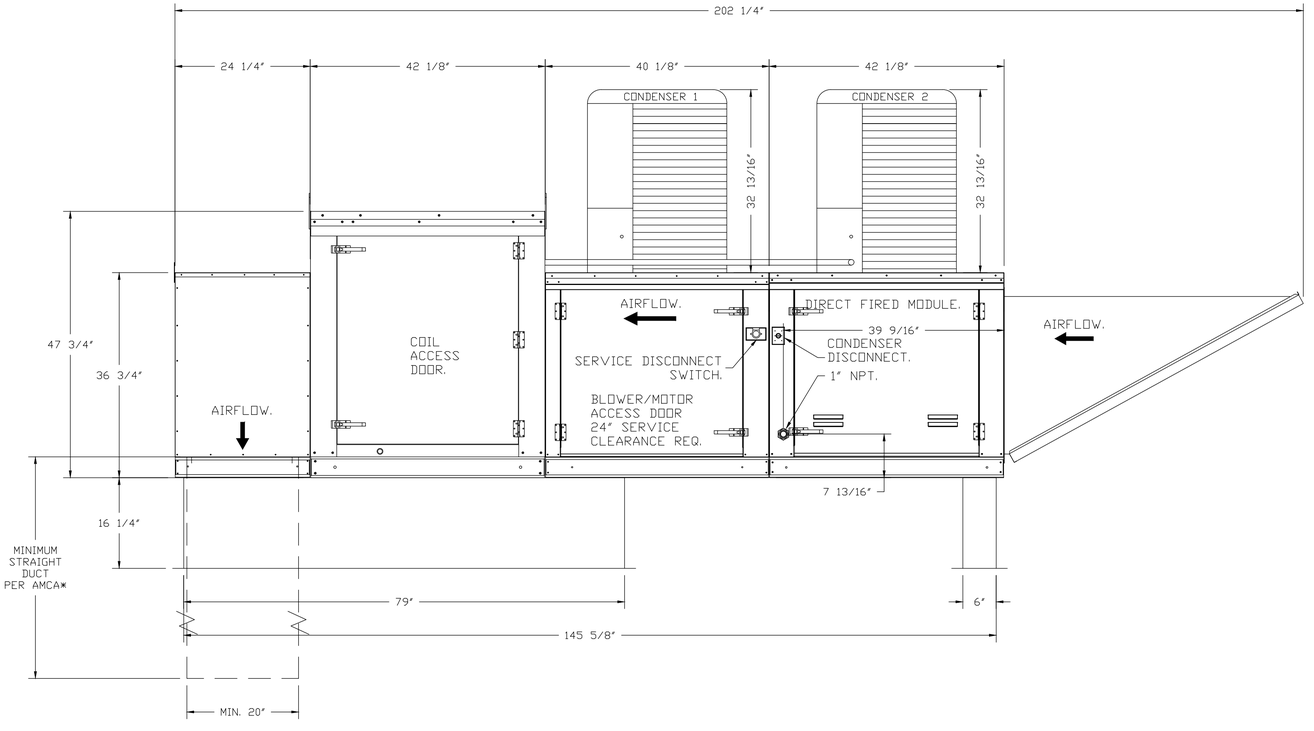
RECOMMENDED COOLING COIL DRAIN TRAP CONFIGURATION.



NOTES:
1) 1" DIAMETER PVC PIPE ONLY.
2) USE ONLY LOW PROFILE COUPLINGS.
3) ADD CLEAN OUT AS SHOWN.







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Drawn By	Checked By	Scale:
ket	m.tworek	3/16"=1'-0"

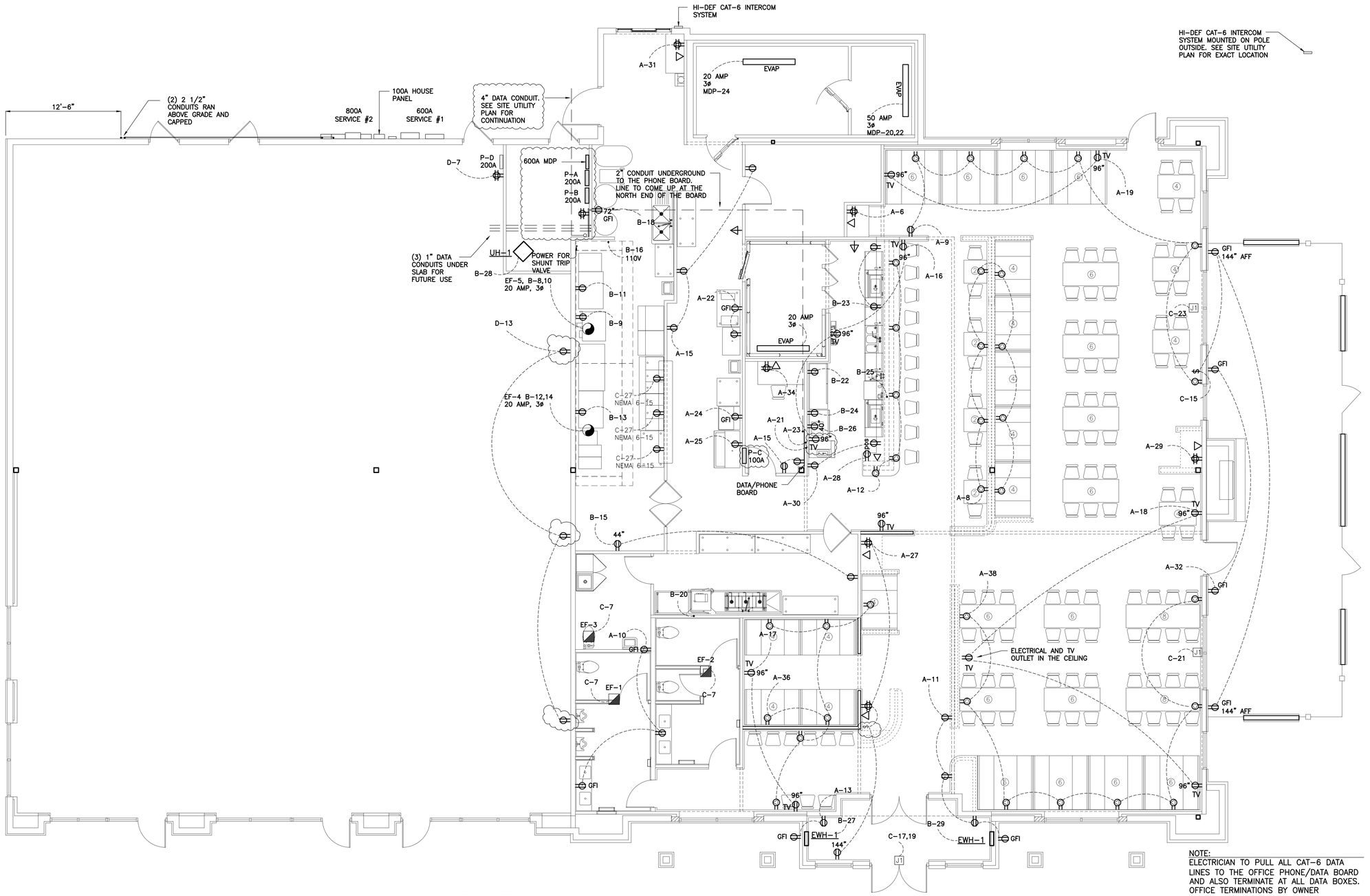
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Trent A Baxter
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SHEET TITLE:

M230



NOTE:
ELECTRICIAN TO PULL ALL CAT-6 DATA LINES TO THE OFFICE PHONE/DATA BOARD AND ALSO TERMINATE AT ALL DATA BOXES. OFFICE TERMINATIONS BY OWNER

ELECTRICAL NOTES

1. ALL CONDUCTORS SHALL B #12 AWG COPPER THWN MINIMUM AND INSTALLED IN 3/4" EMT CONDUIT UNLESS OTHERWISE NOTED. ALUMINUM WIRE IS UNACCEPTABLE. ANY CONDUCTORS LARGER THAN #10 AWG SHALL BE STRANDED COPPER
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH ALL OTHER TRADES AND IN ACCORDANCE WITH THE 2009 INDIANA ELECTRICAL CODE AND ALL LOCAL CODES AND ORDINANCES.
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUNDING CONDUCTOR TO ALL EQUIPMENT IN ACCORDANCE WITH THE 2009 INDIANA ELECTRICAL CODE.
4. INSTALLATIONS SHALL CONFORM TO THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH DICTATES OF N.E.MA. ALL EQUIPMENT SHALL BE U.L. LISTED AND HAVE PRIOR APPROVAL BEFORE INSTALLATION.
5. ALL CONDUIT SHALL BE SUPPORTED TO THE BUILDING STRUCTURE WITH PROPER HARDWARE A MINIMUM 10'-0" CENTER TO CENTER IN ACCORDANCE WITH THE N.E.C.
6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROL WIRING AND PROVIDING A COMPLETE OPERATIONAL ELECTRICAL SYSTEM BEFORE FINAL ACCEPTANCE BY THE ENGINEER.
7. PHONE EQUIPMENT BOARDS TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR
8. METER BASES SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR IF NOT FURNISHED BY THE LOCAL POWER COMPANY
9. 4" CONDUIT FROM THE TRANSFORMER TO THE METERING POINTS SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR.
10. ELECTRICAL WORK IN ALL OPEN AREAS TO BE IN CONDUIT.
11. MC CAN BE USED WHERE CONCEALED
12. USE INDUSTRY STANDARD WIRE COLOR CODING.

LEGEND

SYMBOL	DESCRIPTION
⊖	110 VOLT WALL MOUNTED GENERAL PURPOSE OUTLET MOUNTED @24" AFF UNLESS OTHERWISE NOTED GFI: GROUND FAULT INTERUPPTUR
⊖	110 VOLT WALL MOUNTED GENERAL PURPOSE DEDICATED OUTLET MOUNTED @24" AFF UNLESS OTHERWISE NOTED DED: DEDICATED
⊖	COMBO USB AND 110 VOLT GENERAL PURPOSE WALL OUTLET MOUNTED @24" AFF UNLESS OTHERWISE NOTED
⊳	INTERCOM PHONE LOCATION. (2)CAT6 LINES RAN TO THE OFFICE
▷	CAT6 DATA OUTLET MOUNTED @24" A.F.F.
TV	CAT6 TV OUTLET MOUNTED @96" A.F.F.
J1	4x4 JUNCTION BOX FOR SIGN CIRCUIT MOUNTED ON THE WALL ABOVE THE BOTTOM OF THE BAR JOIST
EF-3	RESTROOM & MECHANICAL ROOM EXHAUST FAN. FURNISHED AND INSTALLED BY THE M.C. VENTED BY THE M.C., WIRED BY E.C. GREENHECK: SP-A125 100 CFM, 120/60/1ø

N

REVISION
02.22.23 outlets added to panel D
03.09.23 panels A, B & C relocated
03.09.23 added outlets per owner's request
03.09.23 tv added behind the bar

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6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Power Plan

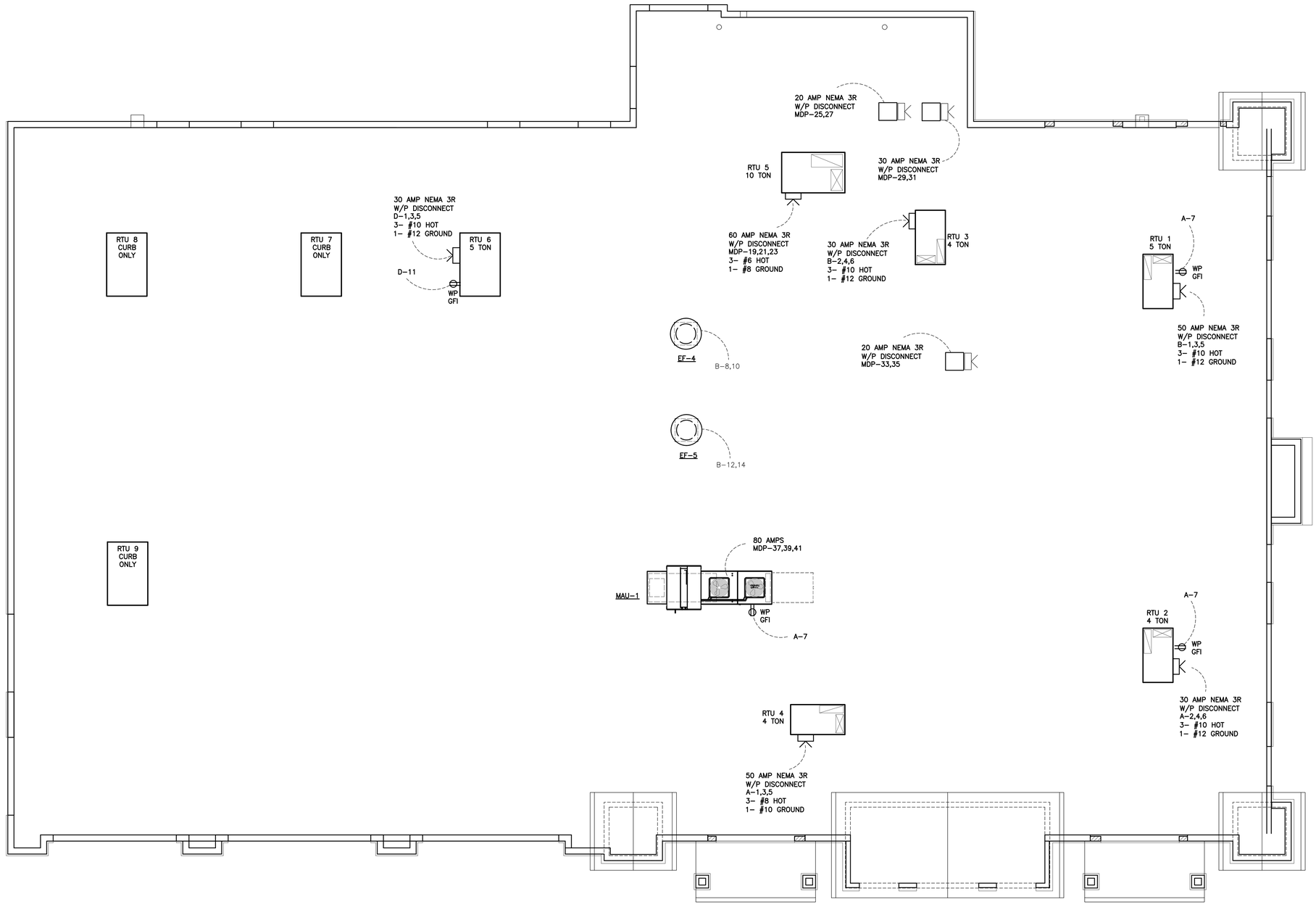
Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

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SHEET TITLE:
E100



N

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Rooftop Power Plan

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
jat	mjt	3/16"=1'-0"

CAD FILE:
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SHEET TITLE:

E105



LEGEND

LABEL/SYMBOL	DESCRIPTION
A	PHILLIPS 2x2 LED LAY-IN LIGHT FIXTURE 2FGG45L835-2-D-UNV-DIM 34 WATTS OR EQUAL
B	PHILLIPS 2x4 LED LAY-IN LIGHT FIXTURE 2FGG54L835-4-D-UNV-DIM 34 WATTS NL: NIGHT LIGHT EM: EMERGENCY LIGHT OR EQUAL
D	8' LYTESPAN BLACK TRACK WITH (3) PHILLIPS COREPRO LED LIGHTS – LT08RNF930BK 9 WATTS PER HEAD
F	12' LYTESPAN BLACK TRACK WITH (5) PHILLIPS COREPRO LED LIGHTS – LT08RNF930BK 9 WATTS PER HEAD
G	10' LYTESPAN BLACK TRACK WITH (4 PHILLIPS COREPRO LED LIGHTS – LT08RNF930BK 9 WATTS PER HEAD
H	PHILLIPS OASIS 60" FAN – 9PQFD 80 WATTS
J	RDA LFX-LED40-B-4K-GTY-DIM-NSF / VAPORTITE 39 WATTS
K	CHANDELIER BY OWNER > $2000 ALLOWANCE FOR ALL 3 LIGHT FIXTURES
L	CHANDELIER BY OWNER > $2000 ALLOWANCE FOR ALL 3 LIGHT FIXTURES
M	WALL MOUNTED LIGHT FIXTURE BY OWNER – 40 WATTS $150 ALLOWANCE
R1	DIMMABLE 6" WAFER LED RECESSED LIGHT LITHONIA WF6 LED 30K 90CRI MW – 14 WATTS OR EQUAL
R2	DIMMABLE 6" WAFER LED RECESSED LIGHT LITHONIA WF6 LL LED 30K 90CRI MW – 14 WATTS OR EQUAL
R3	DIMMABLE 3" WAFER LED RECESSED LIGHT TAMLITE CLY3-30K/WH – 7.5 WATTS OR EQUAL
W	UTOPIA DWP2-2G-135LED-40K-UNV 135 WATTS
W1	UTOPIA ODW-226-UNV-LBZ-LP / 9' AFG 60 WATTS
W2	UTOPIA LPT-2-60LED-40K-UNV-COLOR-P2 / ON WALL BRACKET 9'IN AFG TO BOF- 60 WATTS
Y	UTOPIA LAD4C-11L-40K-PLW-UNV-060 / 4in RECESSED DOWN LIGHT – 11 WATTS
$	SINGLE POLE SWITCH TOP OF THE BOX MOUNTED @ 48" AFF
$M	MOTION SENSOR SWITCH. TOP OF THE BOX MOUNTED @ 48" AFF
	THERMOPLASTIC LED COMBO EXIT/EMERGENCY LSI LEPC G U W SD2
	EXTERIOR EMERGENCY REMOTE HEAD LSI PRLED SD2 WL
	THERMOPLASTIC LED EMERGENCY LSI LTEM BK SD2
	THERMOPLASTIC LED EXIT LSI EX G U WB BK SD2

SWITCH BANK CIRCUITS

SWITCH BANK 1(SB1)
S1 DIMMER: C-2
S2 DIMMER: C-4
S3 DIMMER: C-6
S4 DIMMER: C-8
S5 DIMMER: C-10
S6: A-35

SWITCH BANK 2(SB2)
S7: DIMMER C-12
S8: DIMMER C-14
S9: DIMMER C-16
S10: DIMMER C-18
S11: C-10
S12: FIREPLACE

N

REVISION
01.11.23 West wall revised
03.09.23 added (1) fan(ht)
03.09.23 relocated exit/emergency sign

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Lighting Plan

Job No.	Date Stamped
21081	05.06.22
Drawn By: jat	Checked By: mjt
	Scale: 3/16"=1'-0"

CAD FILE:
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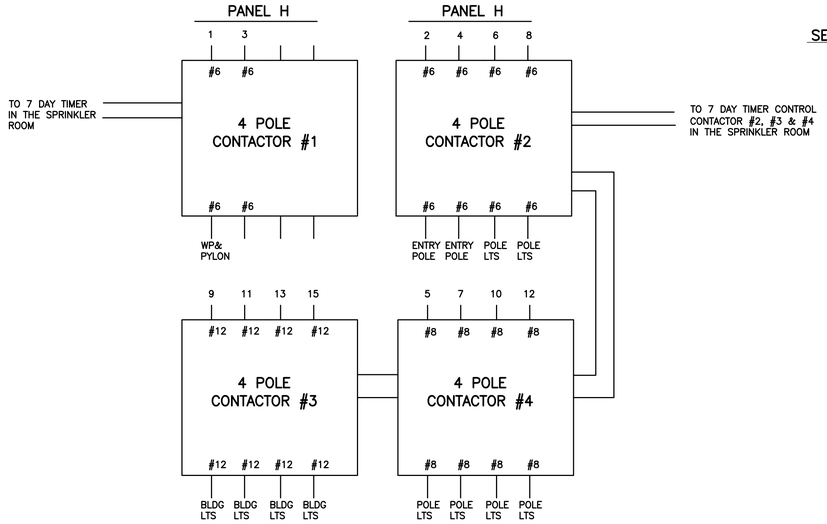
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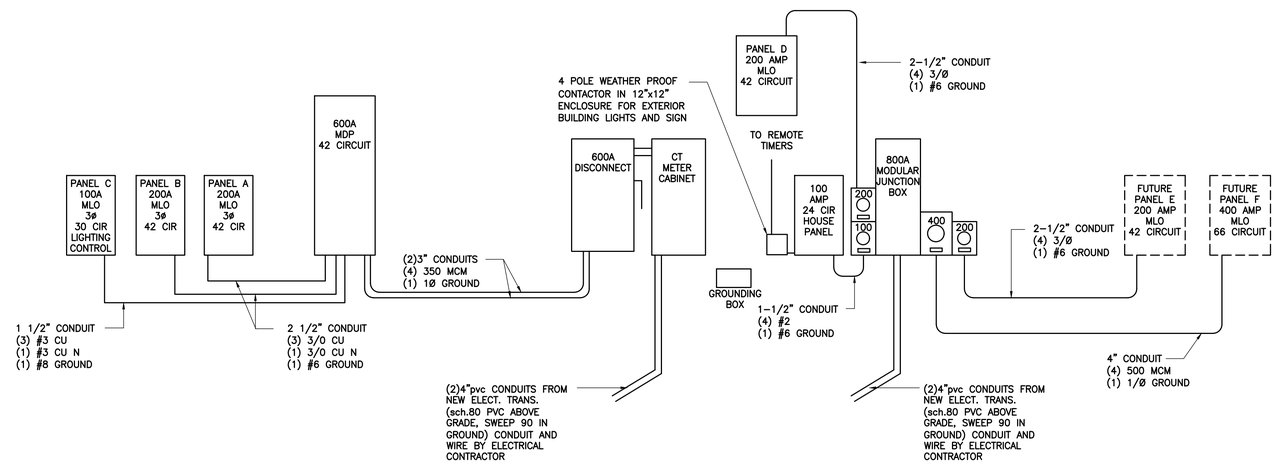
E200

CONTACTOR ENCLOSURE



GROUNDING DIAGRAM

RISER DIAGRAM – ALL SWITCH GEAR TO BE 120/208 3Ø



HOUSE PANEL (H)

100 AMP MB – 3Ø 208/120 4–WIRE
42 CIRCUIT PANEL w/ BOLT–IN BREAKER

CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)	PHASE	CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)
1	PYLON SIGN & LIGHTS	20			A	2	ENTRY POLES	20		
3					B	4				
5	POLE LIGHTS	20			C	6	POLE LIGHTS	20		
7					A	8				
9	BUILDING LIGHTS	20			B	10	POLE LIGHTS	20		
11	BUILDING LIGHTS	20			C	12				
13	BUILDING LIGHTS	20			A	14				
15	BUILDING LIGHTS	20			B	16				
17					C	18				
19					A	20				
21					B	22				
23					C	24				

TOTAL LOAD: ---VA/(208 X 1.7321) = --- AMPS | A |--- AMPS | B |--- AMPS | C |---AMPS

PANELS SHALL HAVE RATED BREAKERS SUFFICIENT TO WITHSTAND AVAILABLE FAULT CURRENT AT THE ELECTRICAL SERVICE ENTRY.

PANELS SHALL AMPS INTERRUPTING CURRENT (AIC) RATED BREAKERS SUFFICIENT TO WITHSTAND AVAILABLE FAULT CURRENT AT THE ELECTRICAL SERVICE ENTRY.

MDP

600 AMP MLO – 3Ø 208/120 4–WIRE
42 CIRCUIT PANEL w/ BOLT–IN BREAKER

CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)	PHASE	CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)
1	PANEL A	200								
3										
5										
7	PANEL B	200								
9										
11										
13	PANEL C	100			A	14	SPARE	20		
15					B	16	SPARE	20		
17					C	18	SPARE	20		
19	RTU 5	60			A	20	SPARE	20		
21					B	22	SPARE	20		
23					C	24	SPARE	20		
25	CONDENSOR	20			A	26	SPARE	20		
27					B	28	SPARE	20		
29	CONDENSOR	30			C	30	SPARE	20		
31					A	32	SPARE	20		
33	CONDENSOR	20			B	34	SPARE	20		
35					C	36	SPARE	20		
37	MAU–1	80			A	38	SPARE	20		
39					B	40	SPARE	20		
41					C	42	SPARE	20		

TOTAL LOAD: ---- VA/(208 X 1.7321) = --- AMPS | A |--- AMPS | B |--- AMPS | C |--- AMPS

PANELS SHALL HAVE RATED BREAKERS SUFFICIENT TO WITHSTAND AVAILABLE FAULT CURRENT AT THE ELECTRICAL SERVICE ENTRY.

PANEL A

200 AMP MLO – 3Ø 208/120 4–WIRE
42 CIRCUIT PANEL w/ BOLT–IN BREAKER

CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)	PHASE	CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)
1	RTU #1	50			A	2	RTU #2	30		
3					B	4				
5					C	6				
7	ROOF TOP OUTLET	20			A	8	DINING ROOM OUTLET	20		
9	DINING ROOM OUTLET	20			B	10	RESTROOM OUTLET	20		
11	DINING ROOM OUTLET	20			C	12	BAR OUTLET	20		
13	DINING ROOM OUTLET	20			A	14	BAR OUTLET	20		
15	OFFICE/STORAGE OUTLET	20			B	16	BAR TV OUTLET	20		
17	DINING ROOM OUTLET	20			C	18	DINING RM TV OUTLET	20		
19	DINING ROOM OUTLET	20			A	20	OFFICE OUTLET	20		
21	MARGARITA MACHINE	20			B	22	COFFEE/TEA OUTLET	20		
23	MARGARITA MACHINE	20			C	24	CHIP WARMER OUTLET	20		
25	ICE MAKER OUTLET	20			A	26	POS OUTLET	20		
27	POS OUTLET	20			B	28	POS OUTLET	20		
29	POS OUTLET	20			C	30	BAR OUTLET	20		
31	POS OUTLET	20			A	32	EXTERIOR OUTLET	20		
33	OUTDOOR FIREPLACE	20			B	34	OFFICE OUTLET	20		
35	DINING RM CEILING FANS	20GFI			C	36	DINING RM OUTLETS	20GFI		
37	SPARE	20GFI			A	38	DINING RM OUTLETS	20GFI		
39	SPARE	20GFI			B	40	SPARE	20GFI		
41	SPARE	20GFI			C	42	SPARE	20GFI		

TOTAL LOAD: ---VA/(208 X 1.7321) = --- AMPS | A |--- AMPS | B |--- AMPS | C |---AMPS

PANEL B

200 AMP MLO – 3Ø 208/120 4–WIRE
42 CIRCUIT PANEL w/ BOLT–IN BREAKER

CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)	PHASE	CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)
1	RTU #3	30			A	2	RTU #4	30		
3					B	4				
5					C	6				
7	CONVECTION OUTLET	20			A	8	HOOD EXHAUST FAN 4			
9	NABOO OUTLET	20			B	10				
11	CHEF BASE OUTLET	20			C	12	HOOD EXHAUST FAN 5			
13	CHEF BASE OUTLET	20			A	14				
15	KITCHEN OUTLETS	20			B	16	HOOD CONTROL	20		
17	HOT FOOD TABLE	20			C	18	SOFTENER OUTLET	20		
19	HOT FOOD TABLE	20			A	20	DISHWASHER	20		
21	HOT FOOD TABLE	20			B	22	BAR EQUIP. OUTLET	20		
23	BAR EQUIP. OUTLET	20			C	24	BAR EQUIP. OUTLET	20		
25	BAR GLASS WASHER	20			A	26	BAR EQUIP. OUTLET	20		
27	EWH–1	20			B	28	UH–1	20		
29	EWH–1	20			C	30				
31					A	32				
33					B	34				
35					C	36				
37					A	38				
39					B	40				
41					C	42				

TOTAL LOAD: ---VA/(208 X 1.7321) = --- AMPS | A |--- AMPS | B |--- AMPS | C |---AMPS

PANELS SHALL HAVE RATED BREAKERS SUFFICIENT TO WITHSTAND AVAILABLE FAULT CURRENT AT THE ELECTRICAL SERVICE ENTRY.

PANEL C – LIGHTING CONTROL PANEL

100 AMP MLO – 3Ø 208/120 4–WIRE
42 CIRCUIT PANEL w/ BOLT–IN BREAKER

CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)	PHASE	CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)
1	KITCHEN LIGHTS	20			A	2	BAR LIGHTS	20		
3	COOLER LIGHTS	20			B	4	BAR LIGHTS	20		
5	OFFICE & STORAGE LTS	20			C	6	BAR LIGHTS	20		
7	DISH & RR LIGHTS	20			A	8	DINING RM LIGHTS	20		
9	EMERGENCY/EXIT LIGHTS	20			B	10	DINING RM LIGHTS	20		
11	EXTERIOR LIGHTS	20			C	12	DINING RM LIGHTS	20		
13	EXTERIOR LIGHTS	20			A	14	DINING RM LIGHTS	20		
15	EXTERIOR STRING LIGHTS	20			B	16	DINING RM LIGHTS	20		
17	SIGN CIRCUIT	20			C	18	VESTIBULE LIGHTS	20		
19	SIGN CIRCUIT	20			A	20	EMERGENCY/EXIT LIGHTS	20		
21	SIGN CIRCUIT	20			B	22	SPARE	20		
23	SIGN CIRCUIT	20			C	24	SPARE	20		
25	SPARE	20GFI			A	26	SPARE	20GFI		
27	SPARE	20GFI			B	28	SPARE	20GFI		
29	SPARE	20GFI			C	30	SPARE	20GFI		

TOTAL LOAD: ---VA/(208 X 1.7321) = --- AMPS | A |--- AMPS | B |--- AMPS | C |---AMPS

PANELS SHALL HAVE RATED BREAKERS SUFFICIENT TO WITHSTAND AVAILABLE FAULT CURRENT AT THE ELECTRICAL SERVICE ENTRY.

PANEL D

200 AMP MLO – 3Ø 208/120 4–WIRE
42 CIRCUIT PANEL w/ BOLT–IN BREAKER

CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)	PHASE	CIRCUIT	ITEM	BREAKER	LOAD(VA)	LOAD(A)
1	RTU 6	30			A	2				
3					B	4				
5					C	6				
7	OUTLETS	20			A	8				
9	TEMPORARY LIGHTS	20			B	10				
11	RTU OUTLET	20			C	12				
13	OUTLETS	20			A	14				
15					B	16				
17					C	18				
19					A	20				
21					B	22				
23					C	24				
25					A	26				
27					B	28				
29					C	30				
31					A	32				
33					B	34				
35					C	36				
37					A	38				
39					B	40				
41					C	42				

TOTAL LOAD: ---VA/(208 X 1.7321) = --- AMPS | A |--- AMPS | B |--- AMPS | C |---AMPS

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Riser Diagram and Panel Schedules

Job No.	Date Stamped
21081	05.06.22

Drawn By	Checked By	Scale:
kt	mjt	3/16"=1'-0"

CAD FILE:
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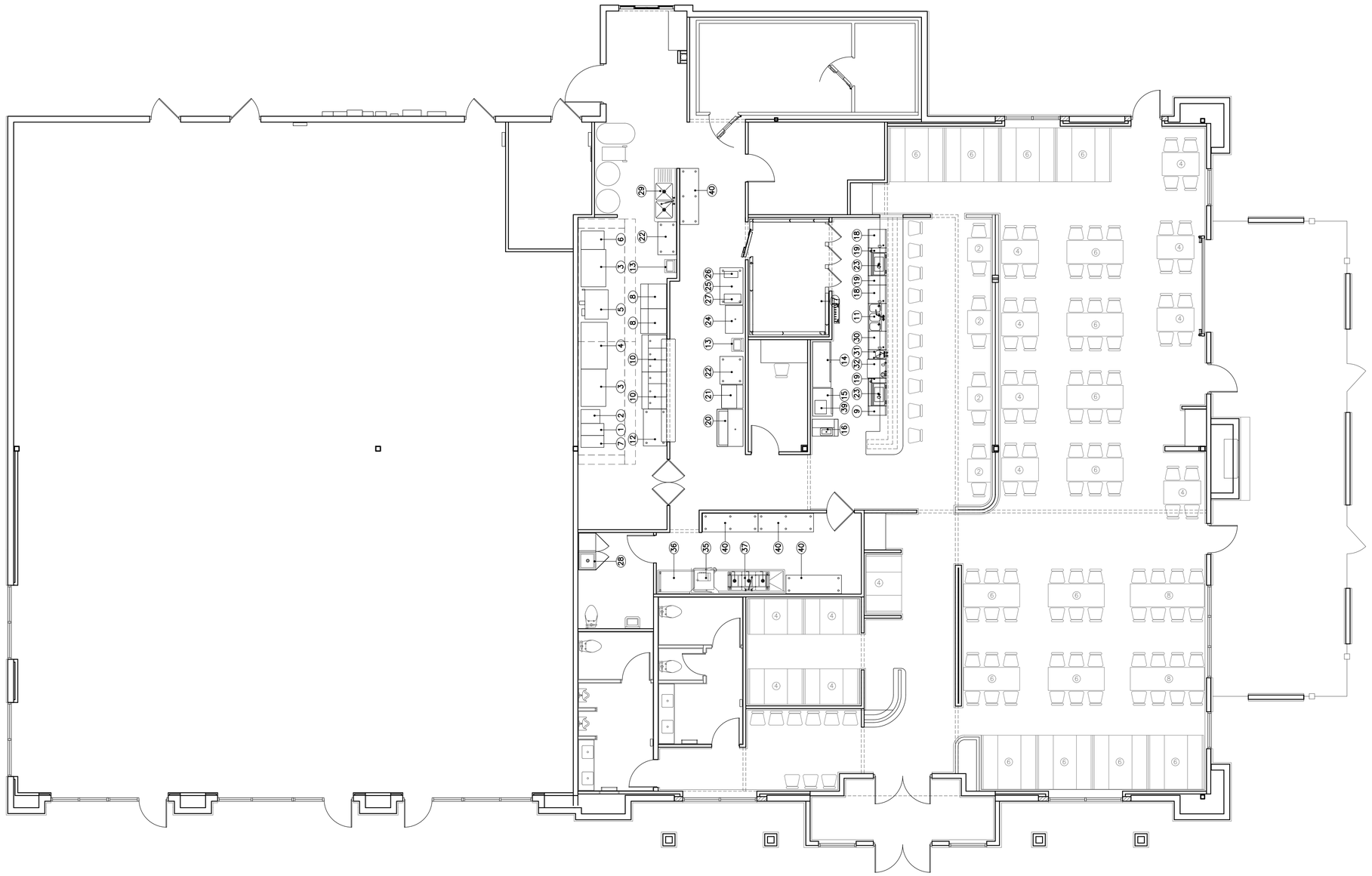
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SHEET TITLE:

E300



EQUIPMENT SCHEDULE

NO.	ITEM	MANUFACTUR & MODEL	GAS SIZE	GAS BTU	ELECTRICAL	CW SIZE	ACCESSORIES/NOTES
1	GAS FRYER	VULCAN LG400	1/2" OR 3/4"	120K			
2	STOCK POT RANGE	VULCAN VSP100	3/4"	110K			
3	GAS GRIDDLE	VULCAN MSA48	3/4"	108K	115/60/1ø–NEMA 5–15		
4	RANGE	SOUTHBEND 4601DD	3/4"	330K			
5	CONVECTION OVEN	SOUTHBEND SLGS/12SC	3/4"	72K	120/60/1ø–NEMA 5–15		
6	GAS CHARBROILER	STAR–MAX 6024CBF	3/4"	80K			
7	GAS FRYER	VULCAN LG500	3/4	150K	115/60/1ø, 5.4 AMPS		
8	FOOD PREP TABLE	TRUE 32–1217–D–2	3/4"	186K	115/60/1ø, 3.3 AMPS, NEMA 5–15		
9	LIQUOR DISPLAY	KROWNE 24–12RD					
10	SEALED WELL HOT FOOD TABLE	EAGLE SHT3–208			15A 240V NEMA 6–15		
11	3 COMPARTMENT SINK	JOHN BOOS DT3PB					
12	SS WORK TABLE	EAGLE UT3048B					
13	SS HAND SINK	JOHN BOOS PBHS–W–1410–P–SSLR				1/2"	
14	UNDER COUNTER FREEZER	TURBO AIR JUF–60S–N			115/60/1ø NEMA 5–15		
15	BAR REFRIGERATOR	KROWNE BS36			15 AMPS		
16	MARGARITA MACHINE	TAYLOR 342			(2) DEDICATED 110 CIRCUITS		
17	WALL MOUNT DRIP TRAY	MICRO MATIC					
18	GLASS STORAGE CABINET	KROWNE KR24–GSB3					
19	SODA GUN HOLDER	KROWNE KR19–6SH					
20	ICE MACHINE & BIN	MANITOWOC IT1200/D–970			8.6 AMPS	1/2"	

NO.	ITEM	MANUFACTUR & MODEL	GAS SIZE	GAS BTU	ELECTRICAL	CW SIZE	ACCESSORIES/NOTES
21	CHIP WARNER	TEXICAN TCD–1			120/60/1ø		
22	3' SS WORK TABLE	EAGLE UT3036B					
23	ICE BIN	KROWNE KR19–30–10					
24	SODA MACHINE						
25	4' SS WORK TABLE	EAGLE UT3048B					
26	TEA MAKER	BUNN 36700.009			NEMA 5–15	1/4"	
27	COFFEE MAKER	BUNN 12950.0213			NEMA 5–15	1/4"	
28	MOP SINK	JOHN BOOS PBJC–224884–R					
29	2 COMPARTMENT SINK	JOHN BOOS 2B244–2024					
30	DRAIN BOARD STORAGE	KROWNE KR24–S12					
31	SS HAND SINK	KROWNE KR24–12ST				3/8"	
32	GLASS WASHER	JACKSON DELTA 5–E			115/60/1ø	1/2"	
33	SS PASS–THRU SHELF	EAGLE PTS–18132					
34	REDHOTS HEAT LAMP	EAGLE RHHL–120–240–L			2640 WATTS		
35	DISH WASHER	JACKSON CONSERVER XL–E			115/60/1ø, 10 AMPS	3/4"	
36	SS DISH TABLE	JOHN BOOS JDTC–20–48R					
37	3 COMPARTMENT SINK	JOHN BOOS DT3PB				1/2"	
38	SODA BAGS						
39	CLASS BUBBLER DBL BOWL	CRATHCO D25–3			120/660/1ø, 6 AMPS NEMA 5–15		
40	6' SS WORK TABLE	EAGLE UT3072					

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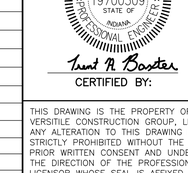
300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Kitchen Equipment Plan

Job No.	Date Stamped
21081	05.06.22

Drawn By	Checked By	Scale:
kt	mjt	3/16"=1'–0"

CAD FILE:
G:\21081\k100 kitchen equipment plan.dwg

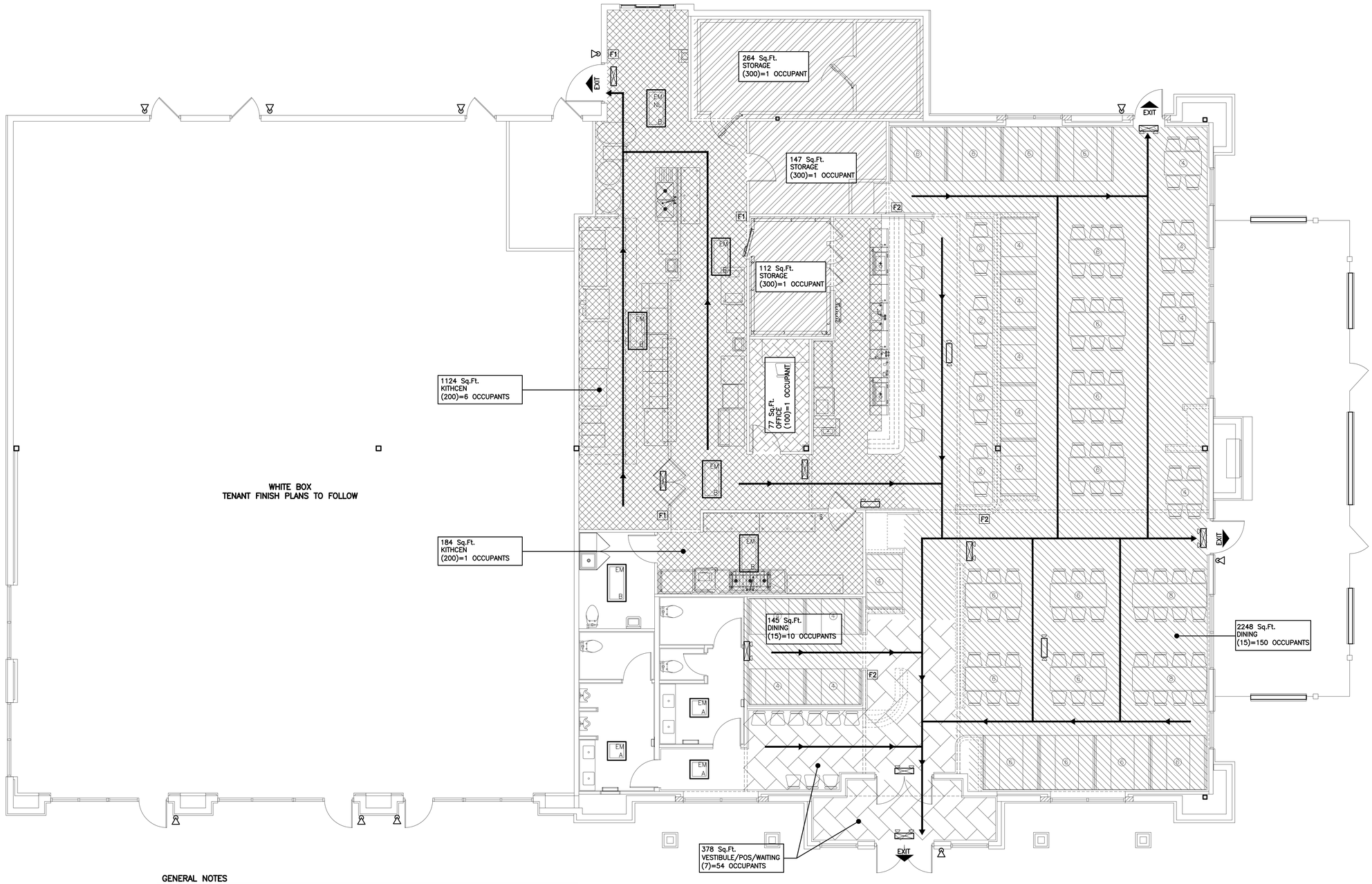


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SHEET TITLE:

K100



GENERAL NOTES

1. VERIFY COMPLIANCE OF FIRE RATING WITH CODES AND INSURANCE REQUIREMENTS.
2. ALL RATED ASSEMBLIES TO COMPLYL WITH TESTED ASSEMBLY STANDARDS. (I.E. UL–UDERWRITER LABORATORIES, INC.
3. PROVIDE FIRE–RETIARDANT TREATED WOOD FOR CONCEALED BLOCKING AND FOR EXPOSED LUMBER AND PLYWOOD IN HABITABLE SPACE.
   - 3.1. LUMBER: AWPA C20093
   - 3.2. PLYWOOD: AWPA C27–93
4. PROVIDE "PANICE HARDWARE" AT ALL EXTERIOR EXITS, AND INTERIOR DOORS AS INDICATED. SEE ARCHICTURAL DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
5. ALL DOORS IN EGRESS PATH INCLUDING EXTERIOR EXITS TO COMPLY WITH ADA REQUIREMENTS TO INCLUDE BUT NOT BE LIMITED TO
   - 5.1. DOOR SIZE
   - 5.2. THRESHOLD HEIGHTS
   - 5.3. DOOR HARDWARE DESIGN
   - 5.4. DOOR HARDWARE LOCATIONS
   - 5.5. HARDWARE ADJUSTMENTS
   - 5.6. WHEELCHAIR MANEUVERABILITY ACCESS AREAS
6. PROVIDE PORTABLE FIRE EXTINGUISHERS AS DEFINED AND REQUIRED IN FIRE CODE 906
   - 6.1. CONFIRM QUANTITY, TYPE AND LOCATNOIS WITH OFFICIALS HAVING JURISDICTINO AND LOCAL FIRE MARSHAL PRIOR TO INSTALLATION
   - 6.2. FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH INSTALLATION REQUIREMENTS OF NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS.
   - 6.3. INDICATE THE RATING(S) OF THE FIRE EXTINGUISHERS AND THE QUANTITY BASED UPON THE INSTALLATION REQUIREMTNS OF A ORDINARY (MODERATE) HAZARD OCCUPANCY. [IBC 906 AND NFPA 10–9.7.4.1]
   - 6.4. WHEN ADJACENT TO DOOR MAINTAIN ADA REQUIRED CLEARANCES
7. PROVIDE AND COORDINATE FIRE DEPARTMENT ACCESS BOX (I.E KNOX BOX). PROVIDE ONE BOX PER STRUCTURE. [NFPA–1.18.2.2 AND MCER 10–21AM SEC. 80]
   - 7.1. CONFIRM QUANTITY, TYPE, AND LOCATIONS WITH OFFICIALS HAVING JURISDICTION AND LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.

TOTAL OCCUPANT LOAD: 225

MEANS OF EGRESS

ELEMENT	REQUIRED	NOTES	PROVIDED
TRAVEL DISTANCE	300 FT MAX	AUTOMATIC FIRE PROTECTION	SEE LIFE SAFETY PLANS
TOTAL EXITS	SEE CODE SUMMARY	SEE CODE SUMMARY	SEE LIFE SAFETY PLANS
EXIT ACCESS	INTERVENING SPACES	EGRESS MAY NOT PASS THRU COMMERCIAL KITCHEN OR STORAGE	34"

EGRESS PLAN LEGEND

EXIT DOOR WITH PANIC HARDWARE & TACTILE SIGNAGE

TRAVEL ROUTE FROM SPACE TO EXIT

LEGEND

LABEL/SYMBOL	DESCRIPTION
	THERMOPLASTIC LED COMBO EXIT/EMERGENCY LSI LEPC G U W SD2
	EXTERIOR EMERGENCY REMOTE HEAD LSI PRLED SD2 WL
	THERMOPLASTIC LED EMERGENCY LSI LTEM BK SD2
	THERMOPLASTIC LED EXIT LSI EX G U WB BK SD2
F1	FIRE EXTINGUISHER MOUNTED TO THE WALL CLASS K
F2	FIRE EXTINGUISHER MOUNTED TO THE WALL CLASS K

N

REVISION

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300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Fire and Life Safety Plan

Job No.	Date Stamped		
21081	05.06.22		
Drawn By		Checked By	Scale:
jat		mjt	3/16"=1'-0"

CAD FILE:
G:\21081\f100 fire and life safety plan.dwg

TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER
CERTIFIED BY:

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SHEET TITLE:

F100

SECTION: 01000
GENERAL REQUIREMENTS:

1. GENERAL CONTRACTOR TO NOTIFY THE OWNER IN WRITING, DURING THE BIDDING PROCESS, OF ANY DISCREPENCIES FOUND IN THE PLANS OR SPECIFICATIONS.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SOILS ON SITE AND DISPOSING AF ANY EXTRA DIRT, CURBING, CONCRETE, ASPHALT OR MISCELLANEOUS MATERIALS NECESSARY TO COMPLETE THE PROJECT AS PER PLANS.
3. TEMPORARY POWER, LIGHT AND HEAT TO BE PAID BY CONTRACTOR.
4. IF POOR SOIL CONDITIONS ARE ENCOUNTERED DURING EXCAVATION FOR FOOTINGS, THE REQUIRED EXCAVATION SHALL BE UNDERMINED AND BACKFILLED WITH COMPACTED #53 STONE TO A DEPTH SUITABLE TO OBTAIN A MINIMUM SOIL BEARING PRESSURE OF 3000 PSF AT THE COST OF THE OWNER.
5. TOTAL PROJECT SUPERVISION.
6. DAILY PROJECT CLEAN-UP AND DISPOSAL BY EACH SUBCONTRACTOR.
7. FINAL PROJECT CLEAN-UP.
8. ALL WALL PENETRATIONS SHALL BE SEALED BY TRADE MAKING PENETRATION IN COMPLIANCE WITH BUILDING CODES AND TO SATISFACTION OF OWNER.
9. ALL WORK SHALL BE WARRANTED FOR A ONE (1) YEAR PERIOD FROM THE POSSESSION DATE.
10. ANY FINAL PUNCH LIST ITEMS SHALL BE TAKEN CARE OF WITHIN SEVENTY-TWO (72) HOURS.
11. ALL SUBS ARE TO REVIEW SPECIAL NOTES.
12. ALL SUBS ARE TO SUPPLY THEIR OWN STORAGE.
13. ALL WORK MUST COMPLY WITH ALL APPLICABLE GOVERNMENTAL AND/OR AGENCY REQUIREMENTS AND CODES INCLUDING, BUT NOT LIMITED TO, U.B.C., BOCA, OSHA, NFPA, ADA, ETC.
14. A SCHEDULE OF THE WORK REQUIRED AND A TIME TABLE FOR THE COMPLETION OF ALL ITEMS SHALL BE PROVIDED TO THE OWNER BEFORE WORK COMMENCES. ALL WORK MUST BE COMPLETED IN A PROFESSIONAL, WORKMANLIKE, AND TIMELY MANNER.
15. THE GENERAL CONTRACTOR SHALL PROVIDE THE OWNER WITH A NEATLY MARKED SET OF "AS BUILT" CONSTRUCTION DOCUMENTS ALONG WITH A LIST OF ALL SUBCONTRACTORS AND WARRANTIES WITHIN (30) DAYS OF COMPLETION OF CONSTRUCITON.
16. A VALID CERTIFICATE OF OCCUPANCY SHALL BE PRESENTED TO THE OWNER PRIOR TO ACCEPTANCE OF COMPLETION OF GENERAL CONTRACTOR WORK.
17. THE PROJECT DRAWINGS AND SPECIFACATIONS ARE A SET AND ARE INTENDED TO COMPLEMENT EACHOTHER. IF THERE IS A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.
18. GENERAL CONTRACTOR TO PROVIDE A "TURN-KEY" BUILDING PER PLANS AND SPECIFICATIONS.
19. SUBMITTALS:

    Work Submittals: The provisions of this section apply to required submittals related to units of work not to administrative submittals including payment requests, insurance certificates and progress reports.

    Special Project Warranties: 2 executed copies, plus conformed copies as required in maintenance manuals.
20. MAINTENANCE MANUALS:

    Two (2) bound copies.

    Record Drawings: Original maintained mark-up prints, plus two (2) photographic copies which may, at Contractor's option, be reduced to not less than half size (50% reduction of width and length).

SECTION: 02000
EXCAVATING, BACKFILLING AND COMPACTING FOR STRUCTURES

1.01 REFERENCES:

A. Except as herein specified or as indicated on the Drawings, the work of Section shall comply with the following:
   1. ASTM Standards:
      a. D 1557 – Test Methods for Moisture-Density Relations of Soils and Soil Aggregate Mixtures using 10 lb. Rammer and 18-inch Drop

1.02 QUALITY ASSURANCE

A. Compaction:
   1. Density shall be determined by using the modified Proctor method, ASTM D 1557.
   2. Compact fill and backfill to at least 95% maximum density.
   3. The first 12-inches of subgrade below all structures, fill and backfill on the Site:
      a. Shall be tested for density.
      b. Compact to at least 95% maximum density if the existing density is below 95%.

1.03 PROJECT CONDITIONS:

A. Existing structures and utilities:
   1. Locate all existing underground utilities prior to starting excavation.
   2. Where service lines or structures are encountered which are in active use:
      a. Provide adequate protection for them.
      b. Be responsible for damages to such utilities.
   3. Provide stand-by utility service if temporary removal is necessary for a period exceeding 2 hours.
   4. Where utility service connections to occupied buildings must be temporarily disconnected, give 8 hours notice to the affected occupants of the time and duration of the anticipated shut off.
   5. Raise, lower, or move underground utilities or structures which interfere with the line or structure being constructed as part of this Work.

PART 3 – EXECUTION

3.01 EXCAVATION

A. Rock excavation:
   1. Notify ENGINEER prior to removal if rock is encountered.
   2. Where rock is encountered within the excavation, expose the surface of the rock sufficient to permit adequate measurements to be taken before the rock excavation is started.

B. Frost protection: Protect bottoms of excavations from frost.

3.02 FILL:

A. General:
   1. Do not place fill until the subgrade has been examined by ENGINEER.
   2. Place fill in even layers not exceeding 10 inches in depth and thoroughly compact as herein specified.
   3. Do not place additional fill until compaction on a lift complies with specification requirements.
   4. If an analysis of the soil being placed shows a marked difference from 1 location to another, the fill being placed shall not be made up of a mixture of these materials.
   5. Handle each different type of material continuously so that field control of moisture and density may be based upon a known type of material.
   6. Do not place fill following a heavy rain without first making certain on isolated test areas that compaction can be obtained without damage to the already compacted fill.

B. Compaction:
   1. Select compaction equipment to achieve the required compaction without damaging adjacent structures.
   2. Suggested equipment selections:
      a. If soil is predominantly granular, use pneumatic tired or vibratory drum rollers loaded to not less than 325 pounds per rated inch of tire width.
      b. For clay fills, compact each layer with sheepsfoot rollers. Rollers shall have staggered rows of feet projecting not less than 7 inches from drum and shall be loaded to produce at least 200 pounds per square inch of tamping area in contact with the ground.
      c. Compact around structures with hand-operated vibrating compactors for granular soils and Barco rammer type compactors for clay soil

C. Moisture:
   1. Compact all fill with the moisture content as established by the 95% intercepts on the moisture density curves or the moisture content at the shrinkage limit, whichever is less.
   2. If fill material is too wet, provide and operate approved means to assist the drying of the fill until suitable for compaction.
   3. If fill material is too dry, provide and operate approved means to add moisture to the fill layers.

3.03 STRUCTURE BACKFILL:

A. General:
   1. Remove debris from excavations before backfilling.
   2. Do not backfill against foundation walls until:
      a. Approved by ENGINEER
      b. All indicated perimeter insulation is in place.
   3. Protect insulation during filling operations.
   4. Wherever possible, backfilling shall be simultaneous on both sides of walls to equalize lateral pressure.
   5. Do not backfill on only 1 side of vertically spanning walls unless walls are adequately shored or permanent construction is in place to furnish lateral support on both top and bottom of wall.
   6. Place all backfill in layers not exceeding 10-inches in depth.
   7. Do not place backfill on frozen subgrade.

3.04 EXCESS WATER CONTROL:

A. Regulations and permits:
   1. Obtain all necessary soil erosion control permits.

B. Unfavorable weather:
   1. Do not place, spread, or roll any fill material during unfavorable weather conditions.
   2. Do not resume operations until moisture content and fill density are satisfactory to ENGINEER.

C. Pumping and drainage:
   1. Provide, maintain, and use at all times during construction adequate means and devices to promptly remove and dispose of all water from every source entering the excavations or other parts of the Work.
   2. Dewater by means which will ensure dry excavations, pressure final lines and grades, and do not disturb or displace adjacent soil. Use wells, portable pumps, temporary underdrains or other methods as is necessary.
   3. Perform pumping and drainage:
      a. In such a manner to cause no damage to property or structures and without interference with the rights of the public, owners of private property, pedestrians, vehicular traffic, or the work of other contractors.
      b. In accordance with all pertinent laws, rules, ordinances and regulations.
   4. Do not overload or obstruct existing drainage facilities.
   5. Provide berms or channels to prevent flooding of subgrade. Promptly remove all water collected in depression.

3.05 DISPOSAL OF EXCESS EXCAVATED MATERIAL:

A. General:
   1. Remove and properly dispose of all excavated material not needed to complete filling and backfilling.
   2. Dispose of excess excavated material at a location off the Site. (Unless otherwise specified)
   3. Disposal of materials shall not violate laws, rules, regulations and the like regarding the filling of flood plains, wet lands and other environmentally sensitive areas.
   4. Provide adequate controls to maintain disposal sites in a neat and safe condition by periodic leveling of material, the control of erosion and such other practices as are necessary.

3.06 CLEANUP:

A. Upon completion of the work of this Section, remove all rubbish, trash, and debris resulting form construction operations. Remove surplus equipment and tools. Leave the Site in a neat and orderly condition acceptable to ENGINEER, and in conformance with Section 01562-Cleaning.

SECTION: 03000
CONCRETE REQUIREMENTS:

1. All concrete footers shall be 3,000psi concrete.
2. All concrete walls shall be 3,500psi concrete.
3. Concrete floors by tenant.

SECTION: 04000
MASONRY REQUIREMENTS:

A. Submit brick sample for approval.

B. Install adjustable ties in accordance with the following requirements:
   1. One tie for each 1.77 ft² of wall area.
   2. Don not exceed 16 in. horizontal or vertical spacing.
   3. The maximum misalignment of bed joints from one wyth to the other is 1-1/4 in.
   4. The maximum clearance between connecting ties is 1/16 in.
   5. When pintle legs are used, provide ties with atleast two legs made of wire size W2.8(MW18).

B. Install wire ties perpendicular to a vertical line on the face of the wythe from which they protrude. Where one-piece ties or joint reinforcement are used, the bed joints of adjacent wythes shall align.

C. Unless otherwise required, provide additional unit ties around all openings larger than 16 in. in either dimension. Space ties around perimeter of opening at a maximum of 3 ft. on center. Place ties within 12 in. of opening.

D. Unless otherwise required, provide unit ties within 12 in. of unsupported edges

SECTION: 05000
METAL FABRICATIONS:

SCOPE

Furnish all labor, material, tools, and equipment necessary to complete all steel, and iron work shown on the drawings and herein specified.

GENERAL

Design fabrication shall comply with the recommendations of the American Institute of Steel Construction, latest edition.

SECTION: 07000
ROOFING SYSTEM REQUIREMENTS:

1. THE FLAT ROOF SHALL BE A 60 MIL White TPO ROOF SYSTEM INSTALLED PER THE MANUFACTURERS SPECIFICATIONS. WITH 2 layers of 2" ISO BD. INSULATION R-VALUE OF 21.7. WHITE ROOF
2. TAPERED INSULATION INSTALLED PER ROOF PLAN (SHEET A500)
3. WALK PADS INSTALLED PER ROOF PLAN (SHEET A500)

SECTION: 08000
STORE FRONT REQUIREMENTS:

Note:
All storefront frames to be Thermo-Break frames.

ALUMINUM DOORS AND FRAMES

PART 1 – GENERAL

1.01 SUMMARY

A. Section includes:
   1. This Section includes, but is not necessarily limited to, the furnishing and installation of the major items listed below as indicated on the Drawings, as specified herein, and as necessary for the proper and complete performance of the Work.
   2. Major items:
      a. Aluminum exterior doors with hardware except lock cylinders and where noted to be by Section 08700 – Hardware.
      b. Aluminum frames for exterior doors, including preparation for door hardware.

B. Related Sections:
   1. Incidental affecting work of this Section include, but are not necessarily limited to:
      a. General Conditions, Supplementary Conditions and Sections in Division 1 of these Specifications.
      b. Section 08700 – Hardware.
      c. Section 08800 – Glazing.

1.02 REFERENCES:

A. Except as herein specified or as indicated on the Drawings, the work of this Section shall comply with the following:
   1. AAMA – Architectural Aluminum Manufacturer's Association:
      a. 605.2 – Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions and Panels.
   2. NAAMM – National Association of Architectural Metal Manufacturers
      a. Entrance Manual.

A.

1.03 SUBMITTALS:

A. Submit in accordance with Section 01300 – Submittals.

B. Shop Drawings:
   1. Submit for aluminum doors and frames.
   2. Required information:
      a. Dimensions.
      b. Details of fabrication and installation.

C. Manufacturer's literature:
   1. Submit for aluminum doors and frames.
   2. Submit Manufacturer's installation instructions.

1.04 QUALITY ASSURANCE:

A. Qualifications:
   1. Fabrication and installation personnel:
      a. Trained and experienced in the fabrication and installation of the materials and equipment.
      b. Knowledgeable of the design and the reviewed Shop Drawings.

1.05 DELIVERY, STORAGE AND HANDLING:

A. Receiving and storage:
   1. All materials shall be delivered in original, unbroken, brand marked containers or wrapping as applicable.
   2. Handle and store materials:
      a. In a manner which will prevent:
         1) Deterioration or damage.
         2) Contamination with foreign matter.
         3) Damage by weather or elements.

B. Rejected material and replacements:
   1. Reject damaged, deteriorated or contaminated material and immediately remove from the site.
   2. Replace rejected materials with new materials at no additional cost to OWNER.

1.06 WARRANTY:

A. Requirements:
   1. Furnish 2 copies of written warranty signed by Manufacturer, Installer and CONTRACTOR.
   2. Agreeing to replace doors and frames which fail in materials or workmanship within 3 years of Substantial Completion.
   3. Failures include, but are not necessarily limited to failures in operation of doors or hardware, excessive leakage or air infiltration, excessive deflections, delamination of panels, excessive deterioration of finish or metal, and defects in accessories, weatherstripping, and other components of the work.

PART 2 – PRODUCTS

2.01 MANUFACTURED UNITS:
(NOTE: REFER TO SHEET A210 FOR SPECIFICATIONS)

A. Aluminum frame doors:
   1. Manufacturers and type:
      a. Kawneer Medium Stile door as manufatured by YKK or equal.
   2. Material:
      a. Door sections shall be extruded aluminum 6063-T5 alloy with wall thickness of 0.125-inch nominal.
      b. Moldings, trim, and stops shall be 0.050-inch nominal thickness.
      c. Weatherstripping shall be silicon treated plastic pile.
   3. Construction:
      a. Doors shall have mortised and reinforced corners, with 3/8-inch steel tension rod.
      b. Fastenings shall be stainless steel or carbon steel cadmium plated.
      c. With 6-inch high top rail.
   4. Finish:
      a. Anodized aluminum.
      b. Free of scratches and blemishes.
   5. Glazing preparation:
      a. Extruded aluminum snap-in glazing stops.

PART 3 – EXECUTION

3.01 INSTALLATION:

A. General:
   1. Installation shall be in accordance with Manufaturer's and glass Manufacturer's printed instructions.
   2. Install frames plumb and true.
   3. Join frames rigidly, securely anchored to adjacent construction.

B. Door glass:
   1. Install door glass in accordance with Section 08800 – Glazing.

3.02 CLEANING:

A. Prior to acceptance of the work of the Section, thoroughly clean all installed materials and equipment and related areas in accordance with Section 01562 – Cleaning.

SECTION: 09000
FINISHES REQUIREMENTS:

A. GYPSUM BOARD SYSTEM (level 5 finish)

BY TENANT

B. ACOUSTICAL TREATMENT

BY TENANT

C. PAINTING:

PART 1 – GENERAL

1.01 QUALITY ASSURANCE:

A. General:
   1. All work may be inspected as to proper surface preparation, pretreatment, priming, dry film thickness, curing, color and workmanship. Applicable standards, test methods and inspection equipment includes:
      a. SSPC-VIS-1 photographic blast cleaning standards (latest revision)
      b. Inspector's wet film and dry film thickness gages.
      c. Zorelco 369/PHD pin hole detector.
      d. Mark II Tooke Gage.

1.02 PROJECT CONDITIONS:

1. Comply with Manufacturer's recommendations regarding environmental conditions under which coatings may be applied:
2. Environmental conditions which affect coating application include, but are not necessarily limited to: ambient air temperature, surface temperature, humidity, dew point and environmental cleanliness.
3. Do not expose epoxies during application and cure to sunlight and heaters that emit carbon dioxide and carbon monoxide.
4. CONTRACTOR shall demonstrate acceptability of environmental conditions as required by ARCHITECT.

1.03 MAINTENANCE:

A. Leave with OWNER 3% minimum extra quantity (at least one gallon) of each type and color of paint used for finish coats and one gallon of each type of thinner required. Containers shall be tightly sealed and clearly labeled.

PART 2 – BARE METAL (DOORS, PIPES, OR ELECTRICAL BOXES)

A. Remove any loose rust.
B. Prime with Porter– interlac 290 metal primer or equal.
C. Apply 1 coat of Porter 619 series Gloss Acrylic Ext. or equal.

PART 3 – PREPRIMED METAL

A. Apply 1 coat of Porter 619 series Acrylic Gloss Enamel or equal.

PART 4. EXAMINATION

A. Inspection:
   1. Prior to the commencement of surface preparation or other coating activities, thoroughly inspect the surfaces to determine if the Work is ready to be prepared and painted.
   2. Report in writing to ARCHITECT, all conditions that may potentially affect proper application
   3. Do not commence suface preparation or other coating activities affect proper application

B. Correction of defects:
   1. Correct defects and deficiencies in surfaces which may adversely affect work of the Section.

PART 5. CLEANING

A. Remove spilled, splashed, or spattered paint from all surfaces.
B. Do not mar surface finish of item being cleaned.
C. Prior to acceptance of the work of this Section, thoroughly clean all painted surfaces and related areas in accordance with Section 01562–Cleaning.

PART 6. PROTECTION

A. General:
   1. Adequately protect other surfaces from paint and damage.
   2. Repair damage as a result of inadequate or unsuitable protection.

B. Protective materials:
   1. Furnish sufficient drop cloths, shields, and protective equipment to prevent spray or droppings from fouling surfaces not being painted and in particular, surfaces within storage and preparation area.

C. Electrical plates and hardware:
   1. Remove electrical plates, surface hardware, fittings and fastenings prior to painting operations.
   2. These items are to be carefully stored, cleaned and replaced upon completion of work in each area.
   3. Do not use solvent to clean hardware that may remove permanent lacquer finish.

SECTION: 15500
MECHANICAL REQUIREMENTS:
Heating: See plan sheet M100

SECTION: 15900
MECHANICAL REQUIREMENTS:
Plumbing: See plan sheet P100
Gas: See plan sheet M100

SECTION: 16000
ELECTRICAL REQUIREMENTS: See Site Lighting Sheets 300 & 310
Building see Sheet E100

SCOPE

Furnish all labor, material, equipment and services necessary to install and connect all electrical equipment shown on the drawings and specified in these specifications.

SPECIAL REQUIREMENTS:

1. ALL ELECTRIC PANELS TO BE COPPER BUSS TYPE.
2. ALL CONDUITS TO BE STRAPPED OR CLAMPED ACCORDING TO NEC AND ALL BENDS TO BE MADE WITH APPROVED BENDERS.
3. ALL PANELS SHALL HAVE TYPED IDENTIFICATION LABLES FOR ALL CIRCUITS.
4. A SEPERATE GROUND WIRE SHALL BE PULLED IN ALL CONDUIT RUNS AND SHALL BE CONTINUOUS THROUGH SYSTEM. (EMT IS NOT AN ACCEPTABLE GROUND)
5. THERE WILL BE A WATER PIPE GROUND ALONG WITH BUILDING GROUND FOR THE SERVICE.
6. ALL ELECTRICAL CONNECTIONS SHALL BE DONE BY APPROVED METHODS.
7. ALL CONDUITS AND WIRING FOR ELECTRICAL SERVICE TO BE FURNISHED AND INSTALLED PER LOCAL POWER COMPANYS REQUIREMENTS.
8. TELEPHONE SERVICE CONDUIT TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

GENERAL

The installation shall comply with all laws of local regulating authorities, the regulations of the current edition of the Natioinal Electric Code and with wiring rules of the local electrical utility company. After completion of work, the Contractor shall furnish the Owner, a certificate of final inspection and approval from the local inspection department or bureau having jurisdiction.

MATERIAL

Prohibited Material: The use of aluminum wire is prohibited. all material shall be new, bearing Underwriter's stamp of approval.

WORKMANSHIP

All work shall be executed in a workmanlike manner and shall present a neat appearance when completed.

Markers: Each meter and its associated switch shall be identified by number. Each meter and switch shall have a panel.

Sleeves: Passage of conduit through any firewall shall be provided with pipe sleeves. seal space between and conduit with fireproof caulking.

PROGRESS OF WORK

The Contractor shall order the progress of this work so as to conform to the progress of the work of other trades and shall complete the entire installation as soon as the condition of the building will permit.

REVISION

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New Whiteland, Indiana 46184
Ph: 317.535.3579 Fax: 317.535.3581

300 Plaza
6088,6084,6080 & 6072 W 300 N
Mount Comfort, Indiana 46140

Specifications

Job No.:	Date Stamped:	
21081	05.06.22	
Drawn By:	Checked By:	Scale:
ket	mjt	1/8"= 1'-0"

CAD FILE:
G:\21081\sp100 specs.dwg

TRENT A. BAXTER REGISTERED No. 19700309 STATE OF INDIANA PROFESSIONAL ENGINEER

Trent A Baxter
CERTIFIED BY:

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SHEET TITLE:

SP100

DRY-BLOCK® Mortar Admixture

Water-Repellent Admixture for Concrete Masonry Mortar

Short-form Specification Insert

[Specifier: The DRY-BLOCK System is comprised of DRY-BLOCK Mortar Admixture, specified in this short-form specification, which is added to the mortar, and DRY-BLOCK Block Admixture, which is mixed throughout the low slump concrete during the manufacture of the Concrete Masonry Unit (CMU) by a Qualified DRY-BLOCK Producer. The two admixtures when used together provide effective water-repellency in typical masonry construction.

In addition to this short-form specification for the mortar admixture, the short-form specification for GRACE's integral water-repellent CMU admixture, DRY-BLOCK Block Admixture, must be incorporated into your project specification in Section 04 20 00 UNIT MASONRY. If Section 04 20 00 UNIT MASONRY includes the mortar specification, this short-form specification should be incorporated in the mortar portions of the section. You may also elect to use Section 04 05 13 MASONRY MORTARING or Section 04 05 00 COMMON WORK RESULTS FOR MASONRY for mortar materials. Both admixtures are required in your project specifications to achieve a water-repellent masonry wall.

It is important to understand that the DRY-BLOCK System greatly enhances the water-resistant properties of the masonry, but it should not be considered a substitute for good design practices and quality construction procedures (workmanship). Proper flashing details and control joint spacing should also be included in your project specifications. Refer to information in National Concrete Masonry Association (NCMA) TEK 19-2A, 19-4A and 19-5A for flashing details, as well as NCMA TEK 10-1A and 10-2B for crack control and control joint recommendations. This short-form specification directly specifies the DRY-BLOCK System and is important to the water penetration performance of the wall. The DRY-BLOCK System components should be incorporated into your project specifications along with other important requirements, such as those specified in ACI 530.1 "Specification for Masonry Structures."]

[Specifier: Incorporate the following information in Part 1 – GENERAL]

PART 1 - GENERAL

1.1 SUMMARY

Section includes water-repellent mortar admixture for concrete masonry.

[Specifier: If choosing to retain optional "Related Sections" paragraph below, edit to correspond to sections used in Project.]

Related Sections:

Section 04 20 00 UNIT MASONRY for water-repellent admixture for concrete masonry units [and masonry mortar].

[Specifier: Related section reference below refers to Grace Construction Products' Infiniseal DB Sealer.]
Section 07 19 00 WATER REPELLENTS for water-repellent treatment for concrete unit masonry.

[Specifier: Optional "References" Article below is included here for information purposes.]

1.2 REFERENCES

ASTM C 109/C 109M Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens)

ASTM C 1072 Standard Test Method for Measurement of Masonry Flexural Bond Strength

ASTM C 1148 Standard Test Method for Measuring the Drying Shrinkage of Masonry Mortar

ASTM C 1314 Standard Test Method for Constructing and Testing Masonry Prisms Used to Determine Compliance with Specified Compressive Strength of Masonry

ASTM C 1384 Standard Specification for Admixtures for Masonry Mortars

ASTM C 1403 Standard Test Method for Rate of Water Absorption of Masonry Mortars

ASTM E 514 Standard Test method for Water Penetration and Leakage through Masonry

National Concrete Masonry Association (NCMA): NCMA TEK 8-4A Cleaning Concrete Masonry

[Specifier: If using this guide specification as a closed proprietary specification written around Grace DRY-BLOCK, consider retaining reference below:]

GRACE Technical Bulletin TB-13: Cleaning Masonry Containing DRY-BLOCK

1.1 SUBMITTALS

Product Data: Submit for specified products.

Certificate: From masonry Installer, stating that only mortar containing specified water-repellent admixture has been placed where required.

Test and Evaluation Reports: Prepared by qualified independent laboratory, indicating compliance with performance requirements for water-repellent mortar admixture.

1.2 QUALITY ASSURANCE

[Specifier: Sample panel is recommended for Architect and Owner approval of finished masonry appearance.]

Sample Panel: Construct sample masonry panel to verify compatibility of materials and effects of materials and construction procedures on final appearance of masonry work. Incorporate range of CMU and mortar textures and colors permissible.

Construct panel using jobsite materials to construct sample panel, including specified water-repellent CMU and mortar containing water-repellent mortar admixture.

Prepare minimum [three] sample batches of mortar to illustrate acceptable visual and performance characteristics.
Perform specified construction procedures on sample panel, including cleaning of one-half of panel, and application of specified coatings, if any, and joint sealants.
Construct additional sample panels as necessary to obtain Architect approval.
Retain approved sample panel during construction as standard for judging completed masonry work.
Acceptance of sample panel does not constitute approval of deviations from materials contained in sample panel, unless such deviations are specifically approved in writing by the Architect.

[Specifier: The pre-installation conference can help in enforcing the requirements for water-repellency, proper flashing techniques, and the use of weeps; it is often utilized on larger scale projects. Coordinate with Division 01 Section "Project Management and Coordination."]

Preinstallation Conference: Prior to commencing masonry work, schedule pre-installation conference at the jobsite. Attendees shall include Contractor, masonry installer, flashing installer, CMU supplier, integral water repellent admixture manufacturer's representative, and related subcontractors. Include as agenda items the following:

Interface of flashing, waterproofing, and air barrier work with masonry installation.

Preparation of mortar mix including water-repellent mortar admixture.
Mortar handling and tooling techniques to increase water resistance of completed masonry work.

1.3 DELIVERY, STORAGE, AND HANDLING

Store water-repellent mortar admixture where temperature is maintained between 40 to 100 deg F (4 to 38 deg C).

Do not allow water-repellent mortar admixture to freeze; discard any frozen admixture.

[Specifier: Incorporate the following in Part 2 – PRODUCTS]

PART 1 - PRODUCTS

1.1 MORTAR ADMIXTURES

Water-Repellent Mortar Admixture for Masonry Construction: Mortar admixture complying with ASTM C 1384, formulated by manufacturer to repel water, minimize efflorescence, and enhance mortar and concrete masonry unit bonding.

[Specifier: Delete the following subparagraph if proprietary specification method is not allowed.]

Product: Provide the following: **Grace Construction Products, (800) 558-7066, www.dryblock.com, DRY-BLOCK Mortar Admixture**.

1.2 PERFORMANCE REQUIREMENTS

Water-Repellent Mortar Admixture: Provide water-repellent mortar admixture with the following characteristics:

[Specifier: See * footnote following section text for explanation.]

Water Permeance of Masonry, ASTM E 514: Capable of achieving a Class E Rating when evaluated using ASTM E 514 with the test extended to 72 hours, using the rating criteria specified in ASTM E 514-74.
Rate of Water Absorption, ASTM C 1403: Reduce minimum 50 percent compared to untreated specimen.

[Specifier: The following criterion for an increase in bond strength is important to achieve an adequate margin of safety in structural design and to maximize masonry water-resistance. In no case should the bond strength be allowed to show a decrease compared to the prepared control sample.]

Flexural Bond Strength of Masonry, ASTM C 1072: Increase minimum 10 percent when compared to reference specimen.
Compressive Strength of Masonry Mortar, ASTM C 109: Minimum 80 percent measure compared to reference specimen.
Compressive Strength of Masonry Prisms, ASTM C 1314: Minimum 95 percent measure compared to reference specimen.
Drying Shrinkage of Mortar, ASTM C 1148: Maximum 5 percent increase when compared to reference specimen.

1.3 MORTAR MIXES

Water-Repellent Mortar Admixture: Mix mortar incorporating water-repellent mortar admixture at manufacturer's recommended dosage rate and mixed according to manufacturer's written instructions.

[Specifier: Incorporate the following in Part 3 – Execution]

PART 2 - EXECUTION

2.1 MORTAR BEDDING AND JOINTING

Water-Repellent Concrete Masonry: Install concrete masonry using mortar containing water-repellent admixture using mortar containing water-repellent admixture in manufacturer's recommend proportion. Mix and handle mortar according to manufacturer's written instructions.

Laying Units: Lay concrete masonry units with completely filled bed and head joints. Butter ends of units with sufficient mortar to completely fill head joints.

[Specifier: Requirement in "In-Progress Cleaning" Paragraph is important, since standard methods for removing hardened mortar involving the use of methods or materials such as strong acid, sandblasting, and high-pressure cleaning are harmful to masonry units and are not recommended by Grace Construction Products.]

In-Progress Cleaning: Promptly remove excess wet mortar from face of masonry as work progresses by dry brushing.

a. Protection of Work: Cover top of unfinished masonry work to protect it from the weather and to prevent accumulation of water in CMU cores.

[Specifier: Grace Construction Products recommends requiring tooling of mortar joints to concave or V-profile to provide greatest resistance to water penetration. Do not use raked, flush, extruded, struck, beaded, weathered, or other joint profiles due to their reduced water-resistance.]

[Specifier: Grace Construction Products recommends requiring tooling of mortar joints when thumbprint hard to provide greatest resistance to water-penetration and to minimize hairline cracks between mortar and concrete masonry unit.]

b. Tooling: Tool mortar joints to [concave] [V-profile] when thumbprint hard.

2. CLEANING

a. Final Cleaning: Clean masonry work once mortar is set and cured.

Test cleaning methods on one-half of sample panel prior to cleaning masonry work.
Remove dirt or stains from masonry walls exposed in the finished work using bucket-and-brush hand cleaning method in accordance with the manufacturer's written instructions.

[Specifier: If using this guide specification as a closed proprietary specification for Grace DRY-BLOCK, retain reference to Grace publication below:]

Comply with requirements in Grace Technical Bulletin 13.
Comply with recommendations in NCMA TEK 8-4A.

Do not clean using strong acids, sandblasting, or high-pressure cleaning methods.
Comply with environmental laws and restrictions of authorities having jurisdiction.

1.2 END OF SECTION INSERT

*[Specifier – ASTM E 514 Modification Clarification: Note that this guide specification recommends modifying the current ASTM E 514 standard by extending the test period to 72 hours and applying the Rating Scale found in ASTM E 514-74, an earlier version of the test method. Both versions subject test specimens to a 140 mm (5½ in.) per hour rainfall and a 100.6 km/hr (62.5 mph) wind. Under the 1974 version of the test method, the test period lasted for 72 hours; and the laboratory was instructed to rate the wall on an objective Rating Scale in one of five categories from I." (indicating leakage), to "F" (for Excellent). Under the current version of the ASTM E 514 the minimum test period is only 4 hours; and the laboratory is instructed only to record their observations on the specimen. The current version of the standard is not as demanding as the previous version and does not provide the same level of performance required by the 1974 version. If you want the kind of performance the DRY-BLOCK System can achieve for your project, do not change the wording in this guide specification, which extends the test period to 72 hours and applies the rating criteria found in ASTM E 514-74 to the results.]

Visit our web site at: www.graceconstruction.com

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MP-401D 09/12

DRY-BLOCK® Block Admixture

Integral Water-Repellent Admixture for Concrete Masonry Units

Short-form Specification for inclusion in Section 04 20 00 UNIT MASONRY

[Specifier: The DRY-BLOCK System is comprised of DRY-BLOCK Mortar Admixture which is added to the mortar, and DRY-BLOCK Block admixture, specified in this short-form specification, which is mixed throughout the low slump concrete during the manufacture of the Concrete Masonry Unit (CMU) by a Qualified DRY-BLOCK Producer. The admixtures provide effective water-repellency in typical masonry construction.

In addition to this short-form specification for the CMU admixture, the short-form specification for the GRACE integral water-repellent DRY-BLOCK Mortar Admixture must be incorporated into your project mortar specification, either in Section 04 20 00 UNIT MASONRY, or in a separate Section 04 05 13 MASONRY MORTARING or Section 04 05 00 COMMON WORK RESULTS FOR MASONRY for mortar materials. Both the masonry unit and the mortar admixtures are required in your project specifications to achieve a water-repellent masonry wall.

It is important to understand that the DRY-BLOCK System greatly enhances the water-resistant properties of the masonry, but it should not be considered as a substitute for good design practices and quality construction procedures and workmanship. Proper flashing details and control joint spacing should also be included in your project specifications. Refer to information in National Concrete Masonry Association (NCMA) TEK 19-2A, 19-4A and 19-5A for flashing details, as well as NCMA TEK 10-1A and 10-2B for crack control and control joint recommendations. This short-form specification directly specifies the DRY-BLOCK System and is important to the water penetration performance of the wall. The DRY-BLOCK System components should be incorporated into your project specifications along with other important requirements, such as those specified in ACI 530.1 "Specification for Masonry Structures."]

[Specifier: Incorporate the following information in Part 1 – GENERAL]

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes integral water-repellent admixture for concrete masonry units.

[Specifier: If choosing to retain optional "Related Sections" paragraph below, edit to correspond to sections used in Project.]

B. Related Sections:

1. Section 04 05 00 COMMON WORK RESULTS FOR MASONRY for water-repellent admixture for masonry mortar.
2. Section 04 05 13 MASONRY MORTARING for water-repellent admixture for masonry mortar.

[Specifier: Related section reference below refers to Grace Construction Products' Infiniseal DB Sealer.]
3. Section 04 20 00 UNIT MASONRY for water-repellent admixture for concrete masonry units [and masonry mortar].

[Specifier: Optional "References" Article below is included here for information purposes.]

1.2 REFERENCES

A. ASTM C 426 Standard Test Method for Linear Drying Shrinkage of Concrete Masonry Units

B. ASTM C 1072 Standard Test Methods for Measurement of Masonry Flexural Bond Strength

C. ASTM C 1314 Standard Test Method for Constructing and Testing Masonry Prisms Used to Determine Compliance with Specified Compressive Strength of Masonry

D. ASTM C 1403 Standard Test Method for Rate of Water Absorption of Masonry Mortars

E. ASTM E 514 Standard Test Method for Water Penetration and Leakage through Masonry

F. National Concrete Masonry Association (NCMA): NCMA TEK 8-4A Cleaning Concrete Masonry

[Specifier: If using this guide specification as a closed proprietary specification written around Grace DRY-BLOCK, consider retaining reference below:]

A. GRACE Technical Bulletin TB-13: Cleaning Masonry Containing DRY-BLOCK

1.2 SUBMITTALS

A. Product Data: Submit for specified products.

B. Certificate: From CMU producer stating that concrete masonry units supplied to Project for construction of exterior walls comply with requirements.

C. Certificate: From Installer stating that only CMUs containing integral CMU water-repellent admixture have been placed where required.

D. Test and Evaluation Reports: Prepared by qualified independent laboratory indicating compliance with performance requirements for water-repellent CMU admixture.

1.3 QUALITY ASSURANCE

A. Sample Panel: Construct sample masonry panel to verify compatibility of materials and effects of materials and construction procedures on final appearance of masonry work. Incorporate range of CMU and mortar textures and colors permissible.

1. Construct panel using jobsite materials to construct sample panel, including specified water-repellent CMU and mortar containing water-repellent mortar admixture.
2. Prepare minimum [three] sample batches of mortar to illustrate acceptable visual and performance characteristics.
3. Perform specified construction procedures on sample panel, including cleaning of one-half of panel, and application of specified coatings, if any, and joint sealants.
4. Construct additional sample panels as necessary to obtain Architect approval.
5. Retain approved sample panel during construction as standard for judging completed masonry work.
6. Acceptance of sample panel does not constitute approval of deviations from materials contained in sample panel, unless such deviations are specifically approved by the Architect in writing.

[Specifier: The pre-installation conference can help in enforcing the requirements for water-repellency, proper flashing techniques, and the use of weeps; it is often utilized on larger scale projects. Coordinate with Division 01 Section "Project Management and Coordination."]

B. Preinstallation Conference: Prior to commencing above-grade masonry work, schedule pre-installation conference at the jobsite. Attendees shall include Contractor, masonry installer, flashing installer, concrete masonry unit supplier, integral water repellent manufacturer's representative, and related subcontractors. Include as agenda items the following:

1. Interface of flashing, waterproofing, and air barrier work with masonry installation.
2. Preparation of mortar mix including water-repellent mortar admixture.
3. Mortar handling and tooling techniques to increase water resistance of completed masonry work.

[Specifier: Incorporate the following in Part 2 – PRODUCTS]

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Water-Repellent Admixture: Concrete masonry unit integral water repellent admixture formulated by manufacturer to repel water, minimize efflorescence, and enhance mortar and concrete masonry unit bonding.

[Specifier: Delete the following subparagraph if proprietary specification method is not allowed.]

1. Product: Provide the following: **Grace Construction Products, (800) 558-7066, www.dryblock.com, DRY-BLOCK Block Admixture**.

1.2 PERFORMANCE REQUIREMENTS

A. Water-Repellent CMU Admixture:

[Specifier: See * footnote following section text for explanation.]

1. Water Permeance of Masonry, ASTM E 514: Capable of achieving a Class E Rating when evaluated using ASTM E 514 with the test extended to 72 hours, using the rating criteria specified in ASTM E 514-74.

[Specifier: The following criterion for increase in flexural bond strength is important for achieving an adequate margin of safety in structural design and to maximize water-resistance of masonry. In no case should bond strength be allowed to show a decrease compared to the prepared control sample.]

2. Flexural Bond Strength of Masonry, ASTM C 1072: Increase minimum 10 percent when compared to reference units.
3. Compressive Strength of Masonry Prisms, ASTM C 1314: Maximum 5 decrease compared to reference units.
4. Drying Shrinkage of CMU, ASTM C 426: Maximum 5 percent increase when compared to reference units.

[Specifier: Retain subparagraph below if work includes grouted (reinforced) masonry.]

5. Grout Shear Bond Strength, California State Chapter 2405(c)3.C test for Grout Shear Bond Strength: Maximum 5 percent decrease when compared to reference units.

[Specifier: Incorporate the following in Part 3 – Execution]

PART 2 - EXECUTION

2.1 MORTAR BEDDING AND JOINTING

A. Water-Repellent CMU Masonry: Install CMU made with integral water-repellent admixture using mortar containing water-repellent admixture in manufacturer's recommend proportion. Mix and handle mortar according to manufacturer's written instructions.

B. Laying Units: Lay CMUs fully bedded in mortar with completely filled bed and head joints. Butter ends of CMUs with sufficient mortar to completely fill head joints.

[Specifier: Requirement in "In-Progress Cleaning" Paragraph is important, since standard methods for removing hardened mortar involving the use of methods or materials such as strong acid, sandblasting, and high-pressure cleaning are harmful to masonry units and are not recommended by Grace Construction Products.]

C. In-Progress Cleaning: Promptly remove excess wet mortar from face of masonry as work progresses by dry brushing.

D. Protection of Work: Cover top of unfinished masonry work to protect it from the weather and to prevent accumulation of water in CMU cores.

[Specifier: Grace Construction Products recommends requiring tooling of mortar joints to concave or V-profile to provide greatest resistance to water penetration. Do not use raked, flush, extruded, struck, beaded, weathered, or other joint profiles due to their reduced water-resistance.]

[Specifier: Grace Construction Products recommends requiring tooling of mortar joints when thumbprint hard to provide greatest resistance to water-penetration and to minimize hairline cracks between mortar and CMU.]

E. Tooling: Tool mortar joints to [concave] [V-profile] when thumbprint hard.

[Specifier: The following is important, since standard methods for removing hardened mortar involve the use of methods or materials such as strong acid, sandblasting, and high-pressure cleaning, which are harmful to masonry units and are not recommended by Grace Construction Products.]

1.1 CLEANING

A. Final Cleaning: Clean masonry work once mortar is set and cured.

1. Test cleaning methods on one-half of sample panel prior to cleaning masonry work.
2. Remove dirt or stains from masonry walls exposed in the finished work using bucket-and-brush hand cleaning method in accordance with the manufacturer's written instructions.

[Specifier: If using this guide specification as a closed proprietary specification for Grace DRY-BLOCK, retain reference to Grace publication below:]

a. Comply with requirements in Grace Technical Bulletin 13.
b. Comply with recommendations in NCMA TEK 8-4A.

3. Do not clean using strong acids, sandblasting, or high-pressure cleaning methods.
4. Comply with environmental laws and restrictions of authorities having jurisdiction.

END OF SECTION INSERT

*[Specifier – ASTM E 514 Modification Clarification: Note that this guide specification recommends modifying the current ASTM E 514 standard by extending the test period to 72 hours and applying the Rating Scale found in ASTM E 514-74, an earlier version of the test method. Both versions subject test specimens to a 140 mm (5½ in.) per hour rainfall and a 100.6 km/hr (62.5 mph) wind. Under the 1974 version of the test method, the test period lasted for 72 hours; and the laboratory was instructed to rate the wall on an objective Rating Scale in one of five categories from I." (indicating leakage), to "F" (for Excellent). Under the current version of the ASTM E 514 the minimum test period is only 4 hours; and the laboratory is instructed only to record their observations on the specimen. The current version of the standard is not as demanding as the previous version and does not provide the same level of performance required by the 1974 version. If you want the kind of performance the DRY-BLOCK System can achieve for your project, do not change the wording in this guide specification, which extends the test period to 72 hours and applies the rating criteria found in ASTM E 514-74 to the results.]

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MP-404D 09/12

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Masonry Specifications

Job No.	Date Stamped	
21081	05.06.22	
Drawn By	Checked By	Scale:
ket	m.torek	

CAD FILE:
G:\21081\Sp200 block specs.dwg

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REGISTERED
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STATE OF INDIANA
PROFESSIONAL ENGINEER

Trent A Baxter

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