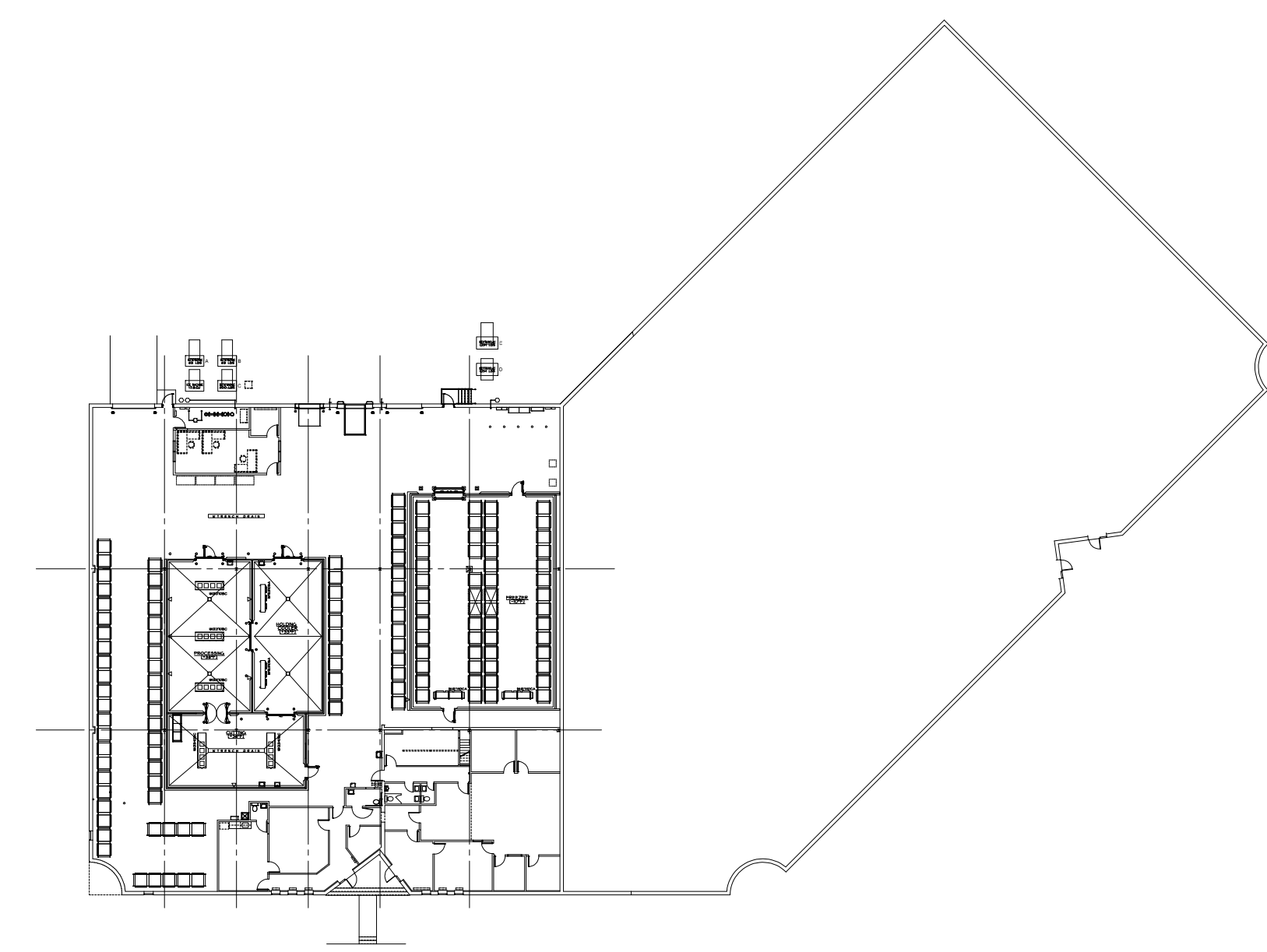
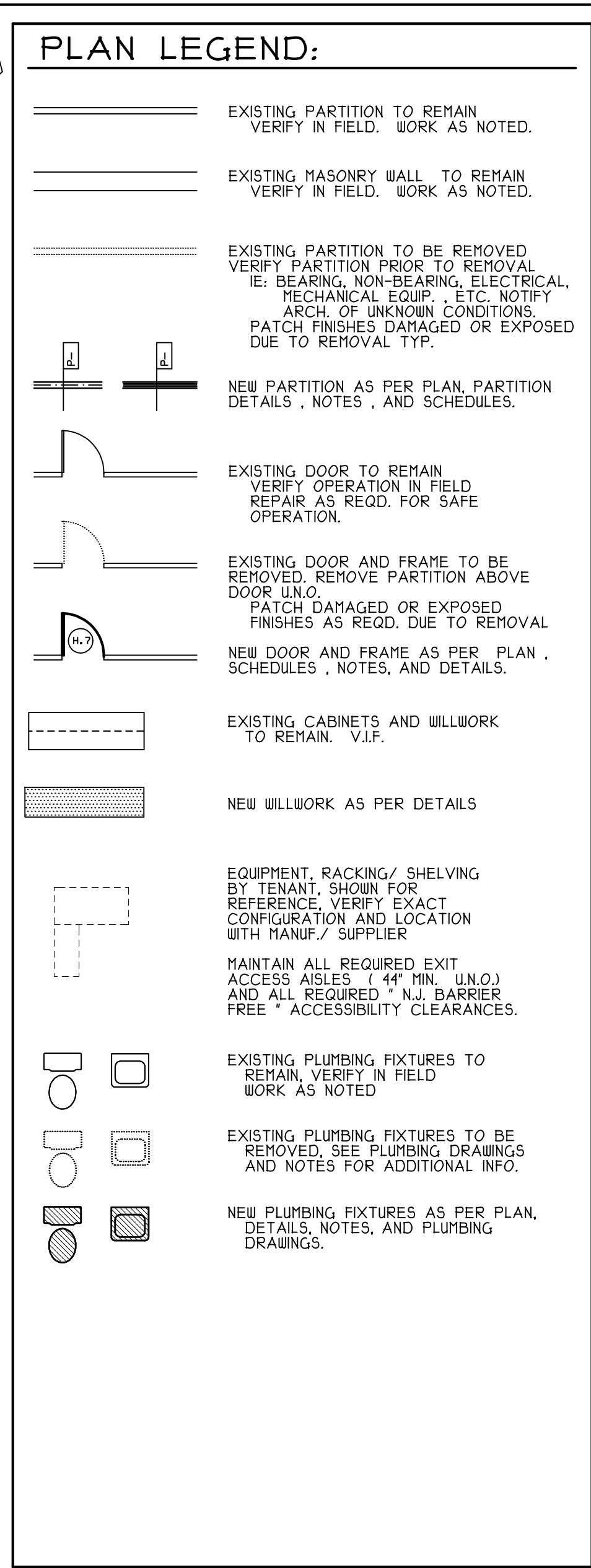




# BUILDING KEY PLAN

NO SCALE

1. Project is interior renovations for occupancy of existing building.

2. TENANT: TRUE WORLD GROUP LLC

3. All work shall comply with "INTERNATIONAL BUILDING CODE 2014" and any other applicable federal, state or local laws.

4. Areas:  
Existing building: EXISTING; NO CHANGE  
Tenant Space/ Area of Work: 18,210 SF/ +/- 18,210 SF  
Use Group - B, F-1 & S-1 (NO SPERATED MIXED USE) (EXISTING NO CHANGE)

5. Construction type 3-B (EXISTING NO CHANGE)

6. Occupant Load (Based on I.B.C. Table 10.6)

|                                  |                   |
|----------------------------------|-------------------|
| OFFICE AREA : 3,450 SF x 1/100 = | 34 PEOPLE         |
| RESTROOMS : 120 SF x 1/100 =     | 12 PEOPLE         |
| LOBBY : 12,440 SF x 1/100 =      | 124 PEOPLE        |
| <b>TOTAL</b>                     | <b>170 PEOPLE</b> |

ACTUAL OCCUPANCY COUNT FROM TENANT SHALL NOT EXCEED CODE REQUIREMENTS.

7. Existing building information and base documents given to the Architect by the building owner or all items were field checked for occupancy. Contractor shall verify all dimensions and conditions of the existing building and the project. Any discrepancies shall be brought to the attention of the Architect in writing.

8. Drawings are diagrammatic and indicate the general arrangement of systems and materials to be installed in contract. Drawings are not to be scaled, refer to dimensions or existing conditions.

9. Details of construction not specifically shown shall be constructed in accordance with safety standards for similar conditions and materials and in accordance with accepted industry standards.

10. Details tempered glass conforming to CPSC's (Consumer Product Safety Commission) 16CFR Part 1201 shall be installed in the following locations; any doors, windows or enclosures opening with 30" or more of clear opening. Glass shall be 5/8" with its bottom edge within 18" of the finished floor level and any other potentially hazardous locations, etc. Safety glazing shall be clearly labeled as such.

11. Contractor shall properly seal and fire stop around all penetrations through a fire rated assembly and all other openings.

12. Existing finishes or construction that is damaged or altered due to new construction shall be repaired or replaced to a like new condition. All roof penetrations shall be properly sealed or flashed as appropriate for the type of roof construction. Work shall not void any existing warranties.

13. Concrete floors removed for installation of utilities shall be cast in a straight line and finish using application of existing control joints. Trenches shall be located with existing floor and compacted in 6" lifts. Vapor barriers, if present, shall be replaced and sealed to existing concrete slab thickness, reinforcement and finish shall match existing. Concrete shall be 3,500 psi at 28 days minimum. Edges of existing slab shall be doweled or keyed to new lift. Do not bridge existing control joints.

14. Gypsum wallboard partitions shall be constructed in accordance with partition construction. Gypsum shall be of appropriate fire rating. All walls to be erected square, plumb and braced to structure as required to remain in that condition.

15. Interior finish shall be as noted or as selected by the tenant from the building information and base documents. Class "B" fire rated doors shall be provided in 200. Corridors providing exit access shall have a finish rating of Class "I" with a flame spread rating of less than 75. No finish shall be a smoke developed rating exceeding 450. All corridors shall be certified to meet U.L.C. 257.1 Floor Coverings. Other than carpet, carpets shall be shown to be able to provide a means of flame propagation as D.C.C. F-1.

16. Interior door shall be 3"-0" (U.N.C.) solid core doors, veneer (Birch) with polyurethane finish. Glass doors shall be 30" x 80" with double doors shall be hollow metal knock down type, painted with semi-gloss paint. Wood in a fire rated assembly shall be U.L. rated and offitted with a permanent bolt.

17. Door hardware shall be passage type with a brushed stainless steel finish, as manufactured, on both sides. Double doors shall have locks to be used on doors noted. Exit doors equipped with locksets shall be operable by inhabitants without a key, and the contractor shall be responsible for providing the correct key. All double doors swinging doors to be equipped with three (3) built hinges and a door stop.

18. Double doors shall be equipped with double doors. Double doors shall be U.L. listed for fire door applications. Double doors shall be equipped with automatic flush bolts, a door coordinator and a closure on the inactive leaf, manually operated bolts shall not be used.

19. Acoustic like ceiling shall be suspended from structure above with minimum 9 gauge steel at 48" O.C. each. Do not suspend from piping or mechanical equipment. If required, use hangers that are suitable for the existing floor or roof construction.

20. Fire extinguishers shall be supplied and installed by the tenant, as per direction of the local fire code.

21. Entire building shall be sprinklered in accordance with I.B.C. and N.F.P.A. Existing fire alarm system shall be replaced with a new alarm system. Existing horns to be relocated or repaired to maintain acceptable distance from new walls. Existing horns shall be relocated or repaired to maintain acceptable distance from new walls and replaced with a "1" drop through ceiling and a new "Match Existing" semi-recessed pendant sprinkler with a 1/2" drop through ceiling and a new "Match Existing" pendant sprinkler for appropriate drop locations. At completion of new work, system shall be tested in accordance with I.B.C. and N.F.P.A.

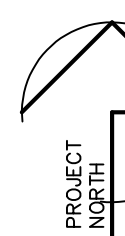
22. Fire alarm system or the fire alarm architectural drawings is for coordination and scope of the project only, the final fire protection design is to be prepared by a separate owner/contractor level Professional Engineer. The contractor shall coordinate all work with the Architect's design drawings and the actual building systems.

23. The fire protection system shall be monitored by an approved station alarm company in accordance with N.F.P.A. 72. A fire alarm horn system shall be provided in the tenant space so as to be audible to all occupants. A strobe light shall also be provided in accordance with hazardous materials code. The strobe light shall be actuated by the sprinkler system water flow alarm.

|                                                                                                                                                                                    |  |                                                     |  |                                                                                                                                                                       |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>PROPOSED INTERIOR TENANT RENOVATIONS TO THE EXISTING BUILDING FOR:</p> <p><b>TRUE WORLD FOODS PHILADELPHIA, LLC</b></p> <p>2430 S. TURNPIKE DRIVE<br/>HATBORO, PENNSYLVANIA</p> |  | <p><b>HARRY D. BOPP AIA</b><br/>ARCHITECT</p>       |  | <p>THIS DOCUMENT IS THE PROPERTY<br/>AND COPYRIGHT OF THE ARCHITECT<br/>AND IS NOT TO BE REPRODUCED<br/>OR COPIED IN ANY MANNER<br/>WITHOUT WRITTEN AUTHORIZATION</p> |  |
| <p>PROPOSED INTERIOR TENANT RENOVATIONS TO THE EXISTING BUILDING FOR:</p> <p><b>TRUE WORLD FOODS PHILADELPHIA, LLC</b></p> <p>2430 S. TURNPIKE DRIVE<br/>HATBORO, PENNSYLVANIA</p> |  | <p><b>HARRY D. BOPP AIA</b><br/>ARCHITECT</p>       |  | <p>2 N. MAIN STREET, SUITE # 103, MEDFORD, NEW JERSEY 08055<br/>PA # RA 015251 B</p>                                                                                  |  |
| <p>DATE <b>6- 9- 2017</b></p>                                                                                                                                                      |  | <p>DATE</p>                                         |  | <p>HARRY D. BOPP<br/>PA # RA 015251 B</p>                                                                                                                             |  |
| <p>BY</p>                                                                                                                                                                          |  | <p>REVISION</p>                                     |  | <p>2 N. MAIN STREET, SUITE # 103, MEDFORD, NEW JERSEY 08055<br/>PA # RA 015251 B</p>                                                                                  |  |
| <p>CHECKED</p>                                                                                                                                                                     |  | <p>ISSUED FOR REVIEW</p>                            |  | <p>2 N. MAIN STREET, SUITE # 103, MEDFORD, NEW JERSEY 08055<br/>PA # RA 015251 B</p>                                                                                  |  |
| <p>COMM. NO. <b>29- 6/17</b></p>                                                                                                                                                   |  | <p>REVD AS PER TENANT COMMENTS (7-26-17 E-MAIL)</p> |  | <p>2 N. MAIN STREET, SUITE # 103, MEDFORD, NEW JERSEY 08055<br/>PA # RA 015251 B</p>                                                                                  |  |
| <p>SHEET NUMBER</p>                                                                                                                                                                |  | <p>REVD AS PER TENANT COMMENTS (8-4-17 E-MAIL)</p>  |  | <p>2 N. MAIN STREET, SUITE # 103, MEDFORD, NEW JERSEY 08055<br/>PA # RA 015251 B</p>                                                                                  |  |
| <p><b>D - 1</b></p>                                                                                                                                                                |  | <p>REVD TITLE AS PER TENANT</p>                     |  | <p>2 N. MAIN STREET, SUITE # 103, MEDFORD, NEW JERSEY 08055<br/>PA # RA 015251 B</p>                                                                                  |  |
| <p>I OF II</p>                                                                                                                                                                     |  | <p>DATE</p>                                         |  | <p>2 N. MAIN STREET, SUITE # 103, MEDFORD, NEW JERSEY 08055<br/>PA # RA 015251 B</p>                                                                                  |  |

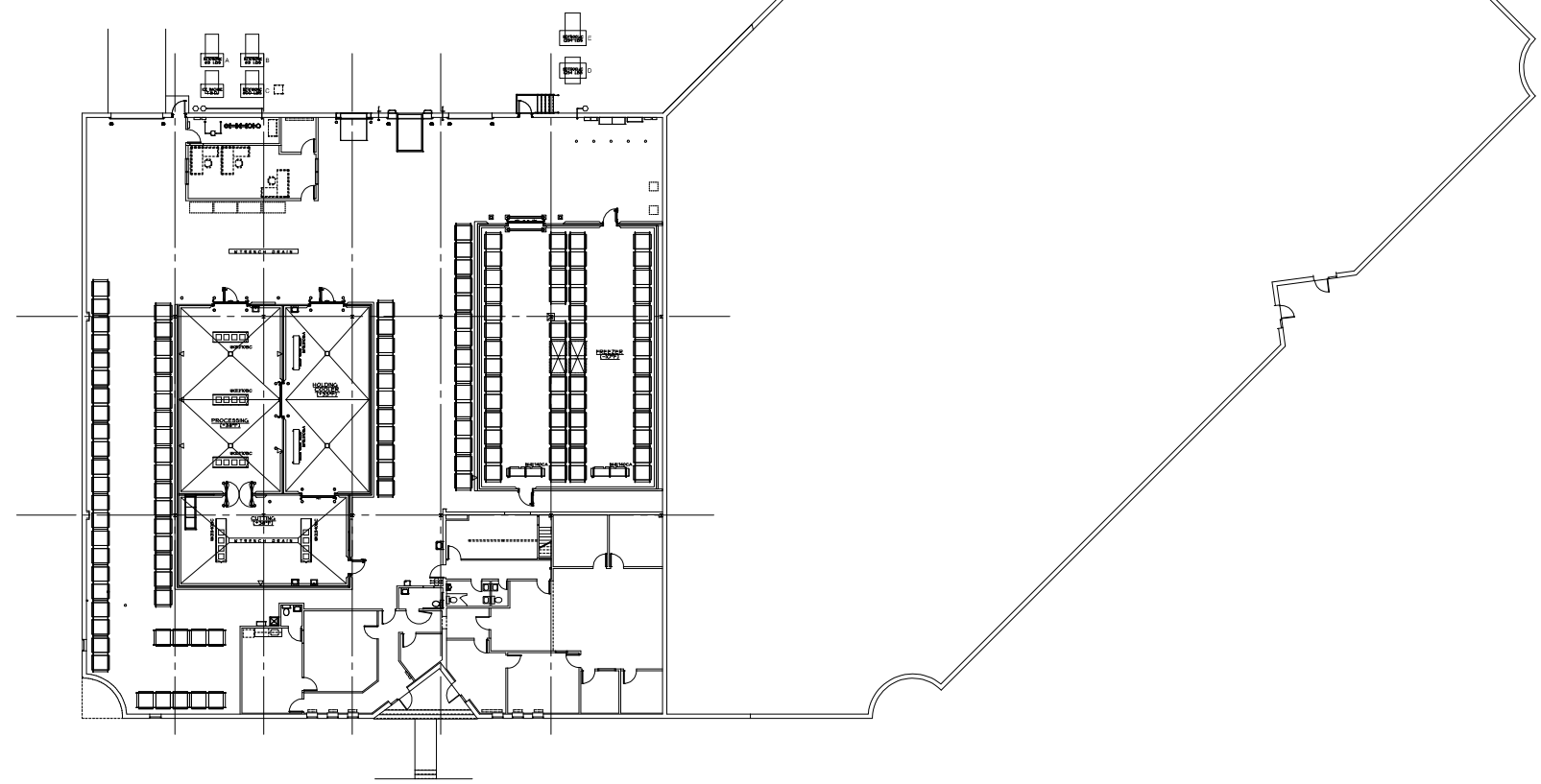
+/- 140'-0" EXISTING, V.I.F.

+/- 134'-4" EXISTING, V.I.F.



# TENANT FLOOR PLAN

SCALE: 1/8" = 1'-0"



## BUILDING KEY PLAN

NO SCALE

| OFFICE AREA FINISH SCHEDULE                                                                     |                                                                                                    |                                                                                                 |                                                                                                                          | VERIFY ALL FINISHES WITH TENANT PRIOR TO THE START OF WORK. ALL FINISHES NOTED MAYNOT BE USED FOR THIS PROJECT. |  |  |  |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|--|--|
| FLOORING FINISH                                                                                 | BASE FINISH                                                                                        | WALL FINISH                                                                                     | CEILING FINISH                                                                                                           |                                                                                                                 |  |  |  |
| A CARPET<br>28 OZ. COMMERCIAL<br>GRADE LOOP PILE<br>"SHAW" OR APPRVD.<br>ALT.                   | 1 4" H. VINYL COVE BASE<br>"JOHNSONITE" OR<br>APPRVD. ALT.                                         | A PAINT<br>FLAT INTERIOR LATEX<br>"SHERWIN WILLIAMS"<br>OR APPRVD. ALT.                         | 1 2x 4 " MELT-OUT"<br>LAY-IN CEILING W/ 1"<br>T " GRID<br>" MATCH EXISTING "<br>AS PER SPKR. ENGINEER<br>8'-6" HGT. AFF. |                                                                                                                 |  |  |  |
| B VCT<br>12"x12"<br>"AZROCK" OR APPRVD.<br>ALT.                                                 | 2 4" H. VINYL COVE BASE<br>"JOHNSONITE" OR<br>APPRVD. ALT.                                         | B PAINT<br>SEMI-GLOSS INTERIOR<br>LATEX<br>"SHERWIN WILLIAMS" OR<br>APPRVD. ALT.                | 2 1/2" PAINTED GYPSUM<br>CEILING BOARD OVER<br>GALV. STEEL FRAMING                                                       |                                                                                                                 |  |  |  |
| C                                                                                               | 3                                                                                                  | C                                                                                               | 3                                                                                                                        |                                                                                                                 |  |  |  |
| D SEALED CONCRETE<br>SLAB                                                                       | 4 4" H. VINYL COVE BASE<br>"JOHNSONITE" OR<br>APPRVD. ALT.<br>ON GYPSUM BOARD<br>PARTITIONS "ONLY" | D PAINTED W/<br>DRY FALL OUT PAINT<br>SEMI GLOSS<br>"SHERWIN WILLIAMS" OR<br>APPRVD. ALT.       | 4 PAINTED W/<br>DRY FALL OUT PAINT<br>SEMI GLOSS<br>"SHERWIN WILLIAMS" OR<br>APPRVD. ALT.                                |                                                                                                                 |  |  |  |
| X EXISTING FINISHES<br>TO REMAIN<br>REPAIR OR PATCH AS<br>REQUIRED DUE TO<br>DEMO OR NEW CONST. | X EXISTING FINISHES<br>TO REMAIN<br>REPAIR OR PATCH AS<br>REQUIRED DUE TO<br>DEMO OR NEW CONST.    | X EXISTING FINISHES<br>TO REMAIN<br>REPAIR OR PATCH AS<br>REQUIRED DUE TO<br>DEMO OR NEW CONST. | X EXISTING FINISHES<br>TO REMAIN<br>REPAIR OR PATCH AS<br>REQUIRED DUE TO<br>DEMO OR NEW CONST.                          |                                                                                                                 |  |  |  |

**FINISH NOTES:**

- ALL FINISH MATERIALS SHALL BEAR THE RATINGS AS DESIGNATED IN TABLE 803.1 AND CHAPTER 8 OF THE "INTERNATIONAL BUILDING CODE" FOR USE GROUP "B" IN A SPRINKLERED BLDG.
- ALL MATERIALS USED FOR INTERIOR FINISH AND TRIM SHALL BE CLASSIFIED IN ACCORDANCE WITH E84.
- ALL FLOOR FINISH MATERIALS SHALL COMPLY WITH THE DOC. FF-1 "PILL TEST" (ICFSP & CFR, PART 430).
- CARPET TO VCT TRANSITION STRIPS TO COMPLY WITH ACCESSIBILITY CODE (ADA) FOR THRESHOLDS, AND TO BE "JOHNSONITE"
- ALL OUTLETS, SWITCHES AND COVERS TO MATCH WALL FINISH COLORS, UNL.
- INSTALL CLEAN, REPAIR OR REPLACE TRIM-BLINDS AS PER BUILDING STANDARD.
- ALL DOOR TRIM TO BE PAINTED W/ SEMI GLOSS ALKYD PAINT BY: SHERWIN WILLIAMS COLOR: TO MATCH WALLS
- ALL WINDOW TRIM TO BE PAINTED W/ SEMI GLOSS ALKYD PAINT BY: SHERWIN WILLIAMS COLOR: TO MATCH WALLS

**ROOM NAME**  
100 A-I-A-I

**FINISH NOTES**  
FLOORING - - - - -  
BASE - - - - -  
WALLS - - - - -  
CEILING - - - - -

PROPOSED INTERIOR TENANT RENOVATIONS TO THE EXISTING BUILDING FOR:

TRUE WORLD FOODS PHILADELPHIA, LLC  
2430 TURPIKE DRIVE  
HATBORO, PENNSYLVANIA

| REVISION                                     | DATE      |
|----------------------------------------------|-----------|
| ISSUED FOR REVIEW                            | 7-21-17   |
| REVD AS PER TENANT COMMENTS (7-26-17 E-MAIL) | 7-31 2017 |
| REVD AS PER TENANT COMMENTS (8-4-17 E-MAIL)  | 8-10 2017 |
| REVD TITLE AS PER TENANT                     | 8-11-17   |

DATE 6- 9- 2017

BY

CHECKED

COMM. NO. 29- 6/17

SHEET NUMBER

A-1

2 OF 11

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HARRY D. BOPP AIA  
ARCHITECT

OFFICE FLOOR PLAN

2 N. MAIN STREET - SUITE 105  
MERCER, NEW JERSEY 08055  
PA. # RA 00251 B

NOTE: 1/ STL. STUDS ARE TO BE AS PER "DIETRICH INDUSTRIES, INC." OR APPROVED ALT.  
2/ SEE PARTITION DETAILS FOR ADDITIONAL INFORMATION.

**P-1 OFFICE PARTITION**

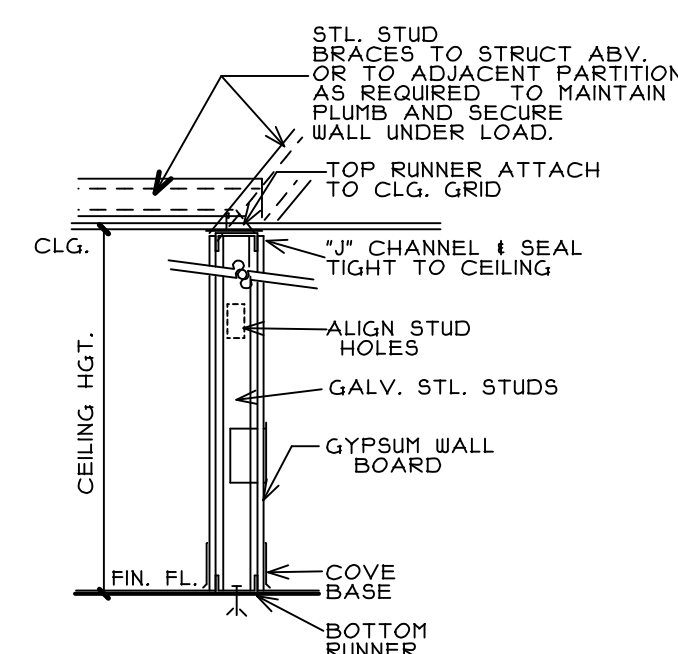
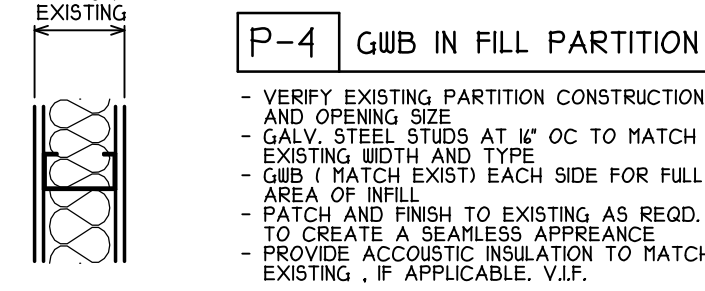
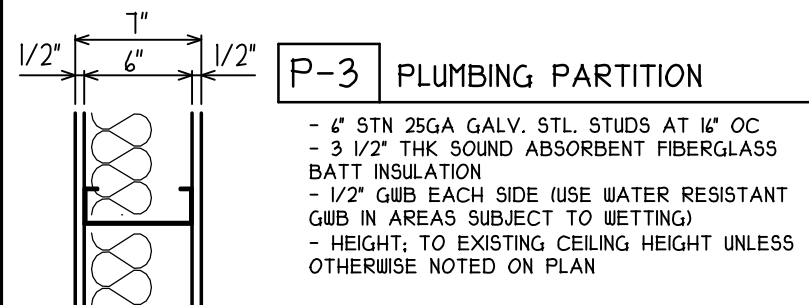
- 3 5/8" STN 25GA GALV. STL. STUDS AT 16" OC
- 1/2" GYPSUM WALLBOARD EACH SIDE
- HEIGHT, TO EXISTING CEILING HEIGHT UNLESS OTHERWISE NOTED ON PLAN

**P-5 FULL HEIGHT PARTITION**

- 4" STE 20GA GALV. STL. STUDS AT 16" OC
- 4" THE SOUND ABSORBENT FIBERGLASS BATT INSULATION
- 1/2" GIB ON EACH SIDE FROM FIN. FLR. TO UNDERSIDE OF ROOF DECK (SEAL AT ROOF)
- HEIGHT, FIN. FLR. TO UNDERSIDE OF ROOF DECK (MAX. UNBRACED HGHT. 21'-0")

**P-2 OFFICE PARTITION (SOUND)**

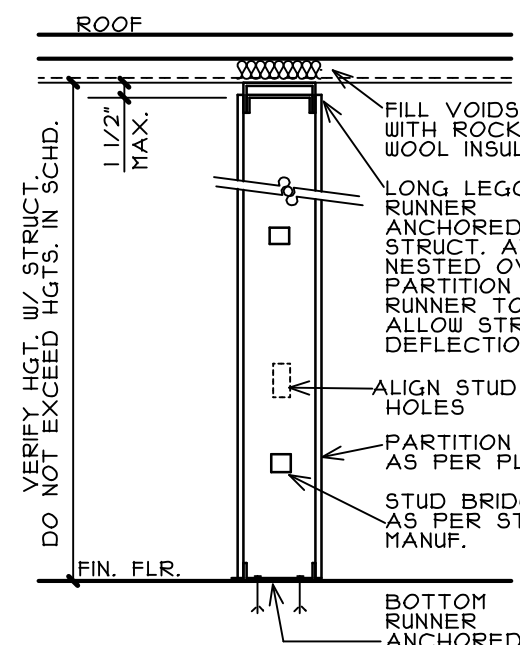
- 3 5/8" STN 25GA. GALV. STL. STUDS AT 16" OC
- 3 1/2" THE SOUND ABSORBENT FIBERGLASS BATT INSULATION
- 1/2" GYPSUM WALLBOARD EACH SIDE
- HEIGHT, TO EXISTING CEILING HEIGHT UNLESS OTHERWISE NOTED ON PLAN



PARTITION DTL.  
TYPE: P-1, P-2 & P-3

---

N.T.S.



PARTITION DTL.  
TYPE: P-5

---

N.T.S.

**1.** LOCKSET: 'SCHLAGE', S SERIES  
FUNCTION N EX37 ENTRY  
THRESHOLD, 'REESE' S 568N  
CLOSER: 'NORTON' # 406 S  
FULL METAL COVER

**2.** LOCKSET: 'SCHLAGE', S SERIES  
FUNCTION N EX37 ENTRY  
STOP, 'VES' # 401 CONVEX ALUM

**3.** LOCKSET: 'SCHLAGE', S SERIES  
FUNCTION N PASSAGE  
STOP, 'VES' # 401 CONVEX ALUM

**4.** LOCKSET: 'SCHLAGE', S SERIES  
FUNCTION N KEY LOCK  
STOP, 'VES' # 401 CONVEX ALUM

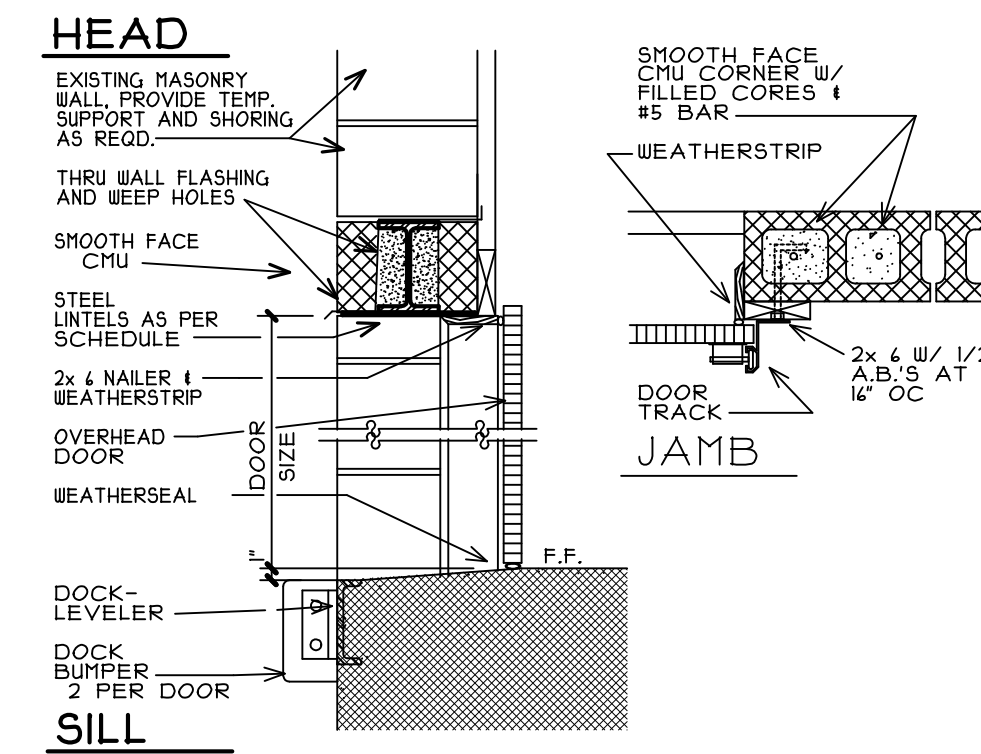
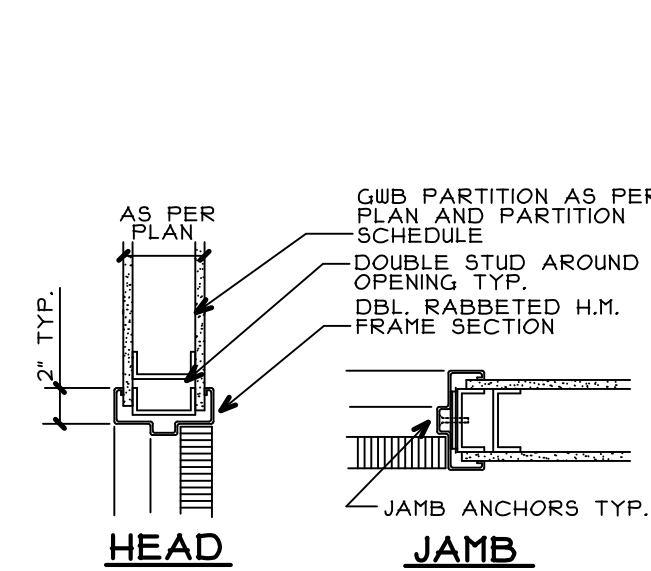
**5.** RUSHPLATE: 'VES', # 8205 3" x 12"  
DILLPLATES: 'VES', # 8305 3" x 100"  
3" x 12 1/2" x 5"  
CLOSURE: 'NORTON' # 400S 1/2"  
FULL METAL COVER  
KICKPLATE: 'VES' # 4600 6" x 32"

NOTES:

1/ ALL HINGES SHAL TO "DOORS"  
FULL RUSHPLATE 4 1/2" x 100"  
3 PER 8-10 TO 10 HANGER  
3 PER 8-10 DOORS  
UNLESS NOTED OTHERWISE

2/ ALL HARDWARE TO BE  
FINISHED WITH A SATIN  
STAINLESS STEEL FINISH  
UNLESS NOTED OTHERWISE

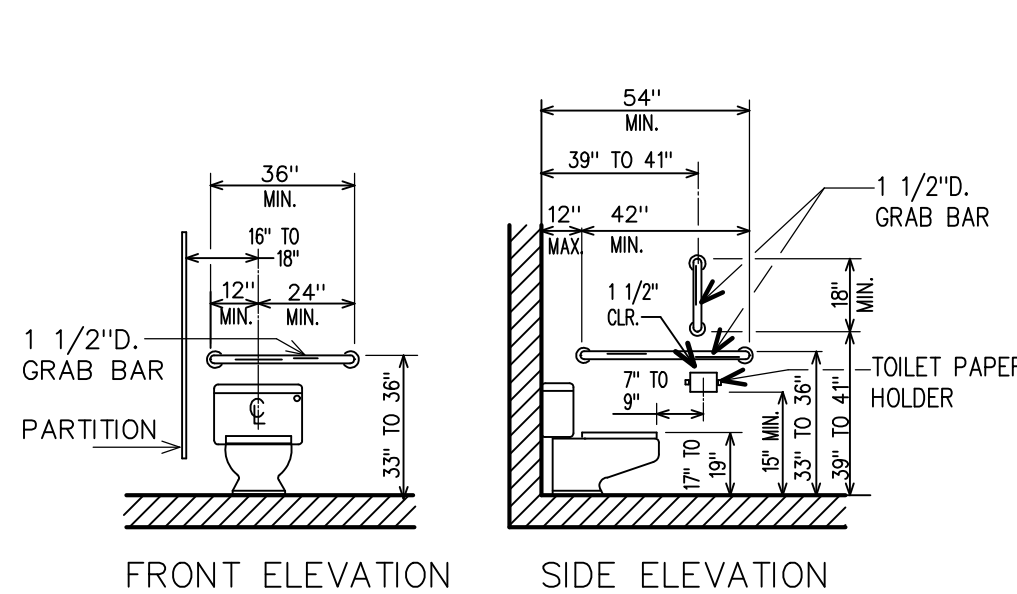
3/ MANUFACTURERS:  
VES: HBS, SCHLAGE LOCK CO.  
'REESE', REESE ENTERPRISES INC.  
'VES' HBS VES, VES SECURITY INC.  
'KAMINER', KAMINER CO INC.  
'NORTON', NORTON LOCK CONTROLS  
TALE SECURITY INC



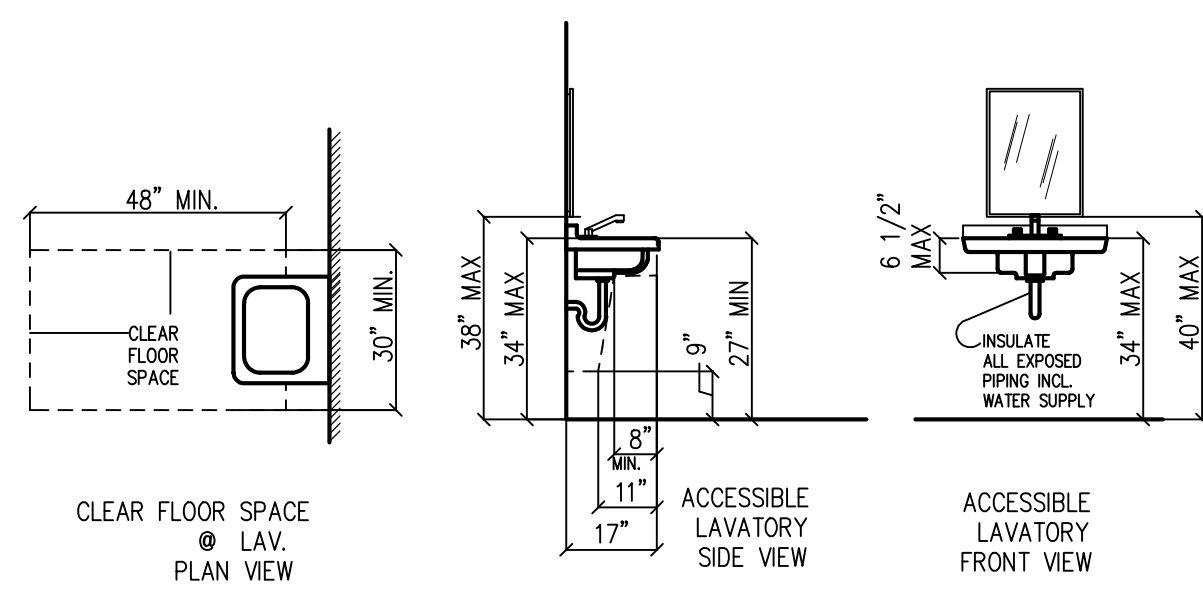

 DOOR DETAIL  
 N.T.S.

2D DOOR DETAIL  
A-2 N.T.S.

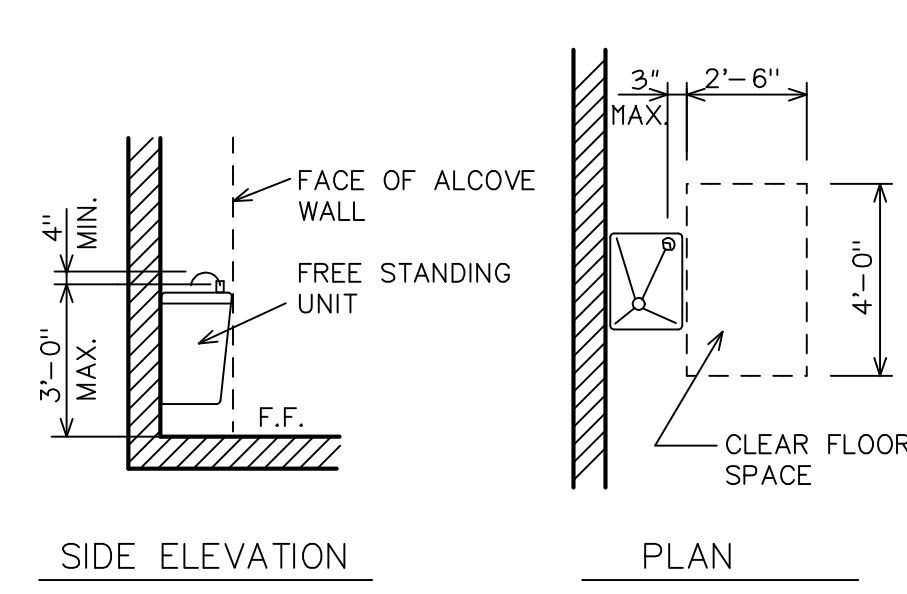
| LINTEL SCHEDULE  |                                               |                 |
|------------------|-----------------------------------------------|-----------------|
| WIDTH OF OPENING | LINTEL                                        | NOTES:          |
| T-O" TO 8'-0"    | W 8x 18 STL. BEAM W/ WELDED 3/8" BOTTOM PLATE | H.D. GALVANIZED |



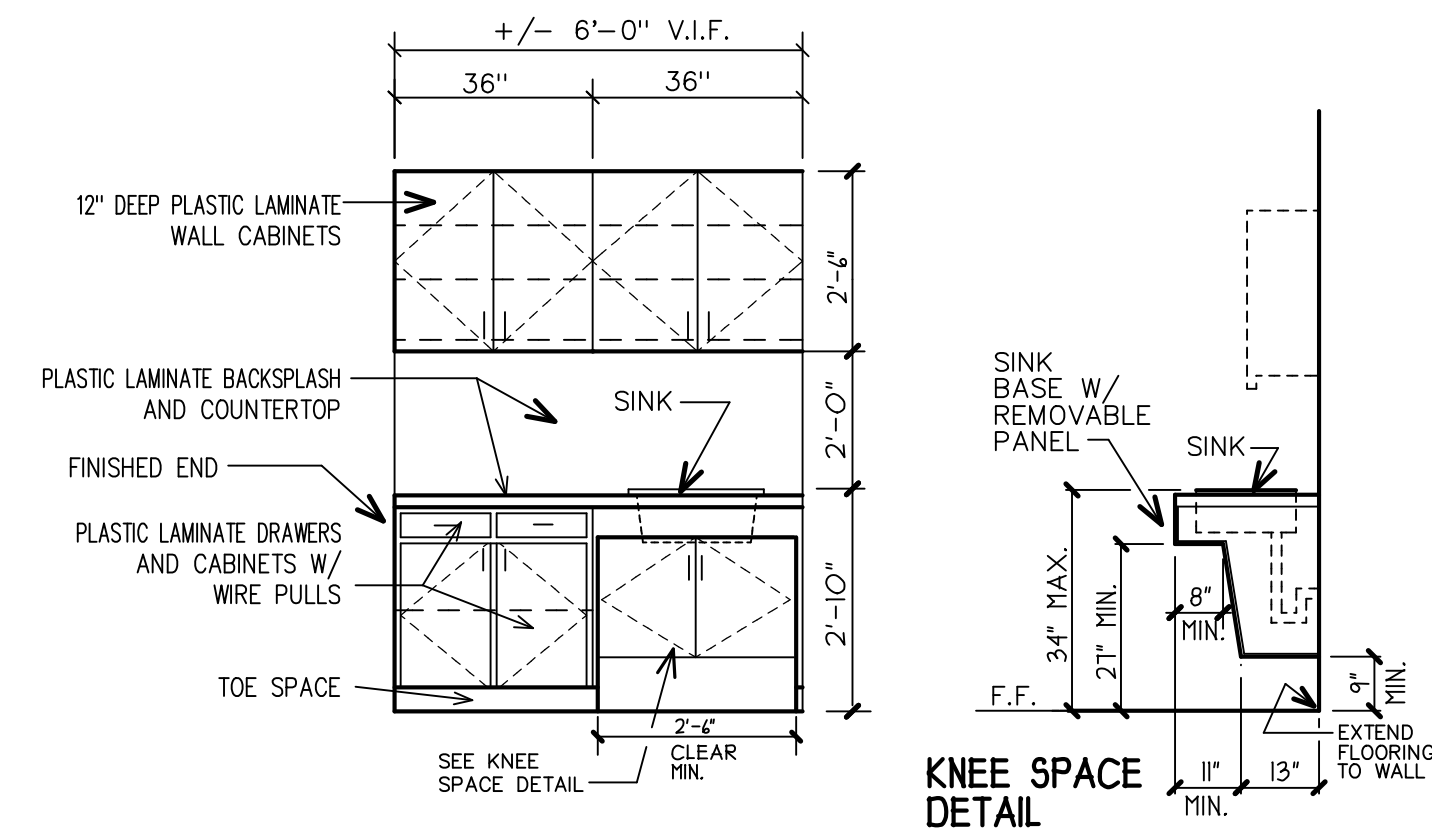
1 WATERCLOSET DTL.  
A-2 N.T.S.



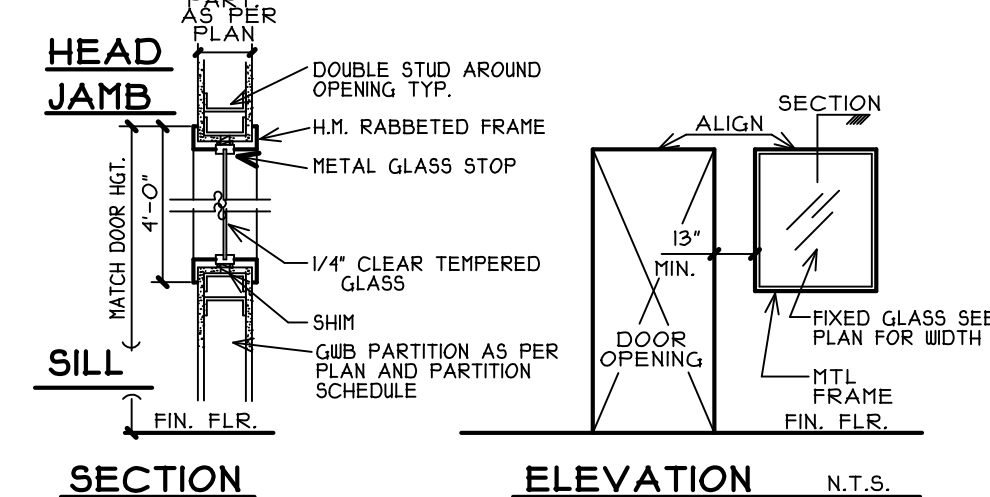
2 LAVATORY DTL.  
A-2 N.T.S.



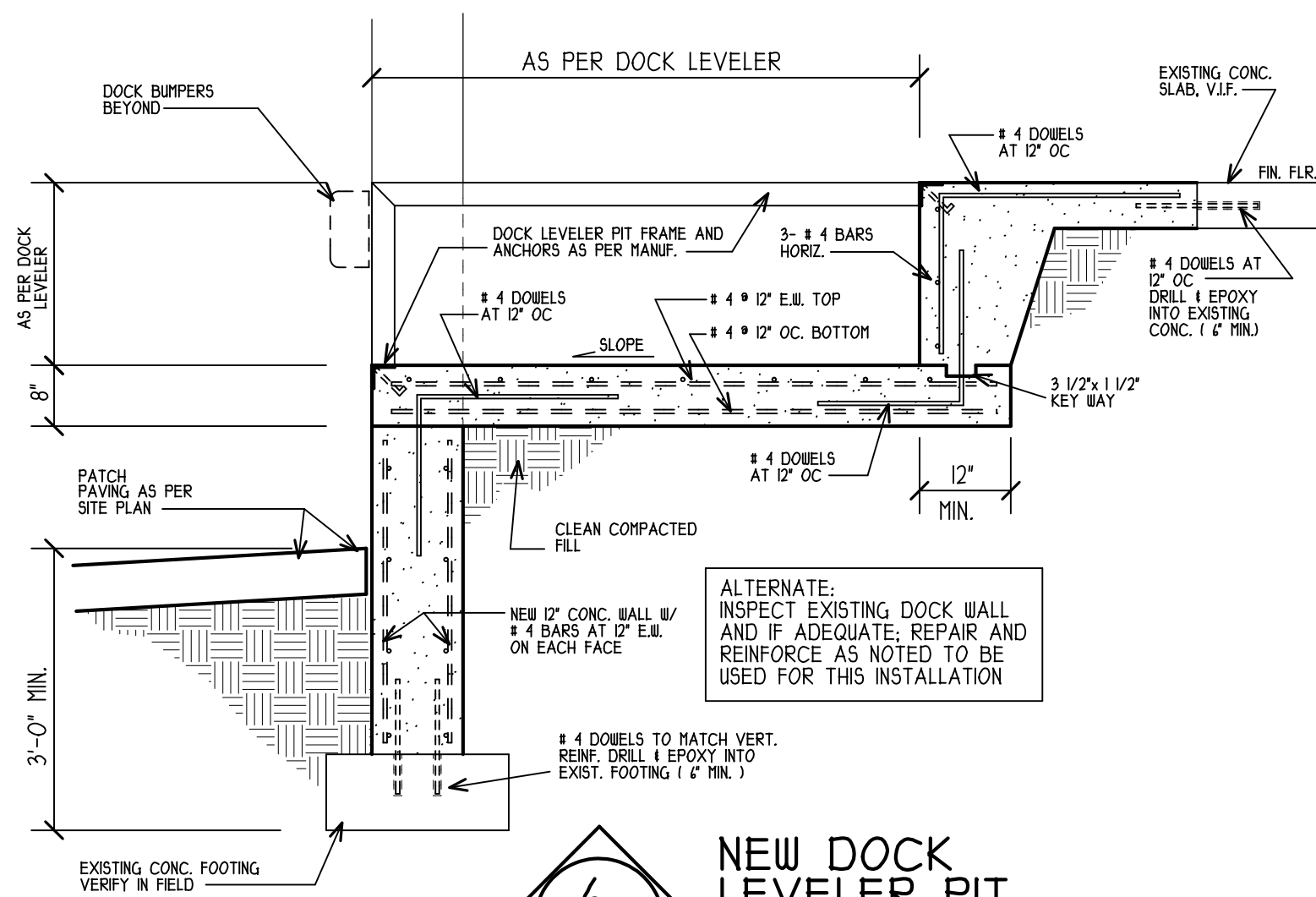
3 WATERCOOLER DTL  
A-2 N.T.S.



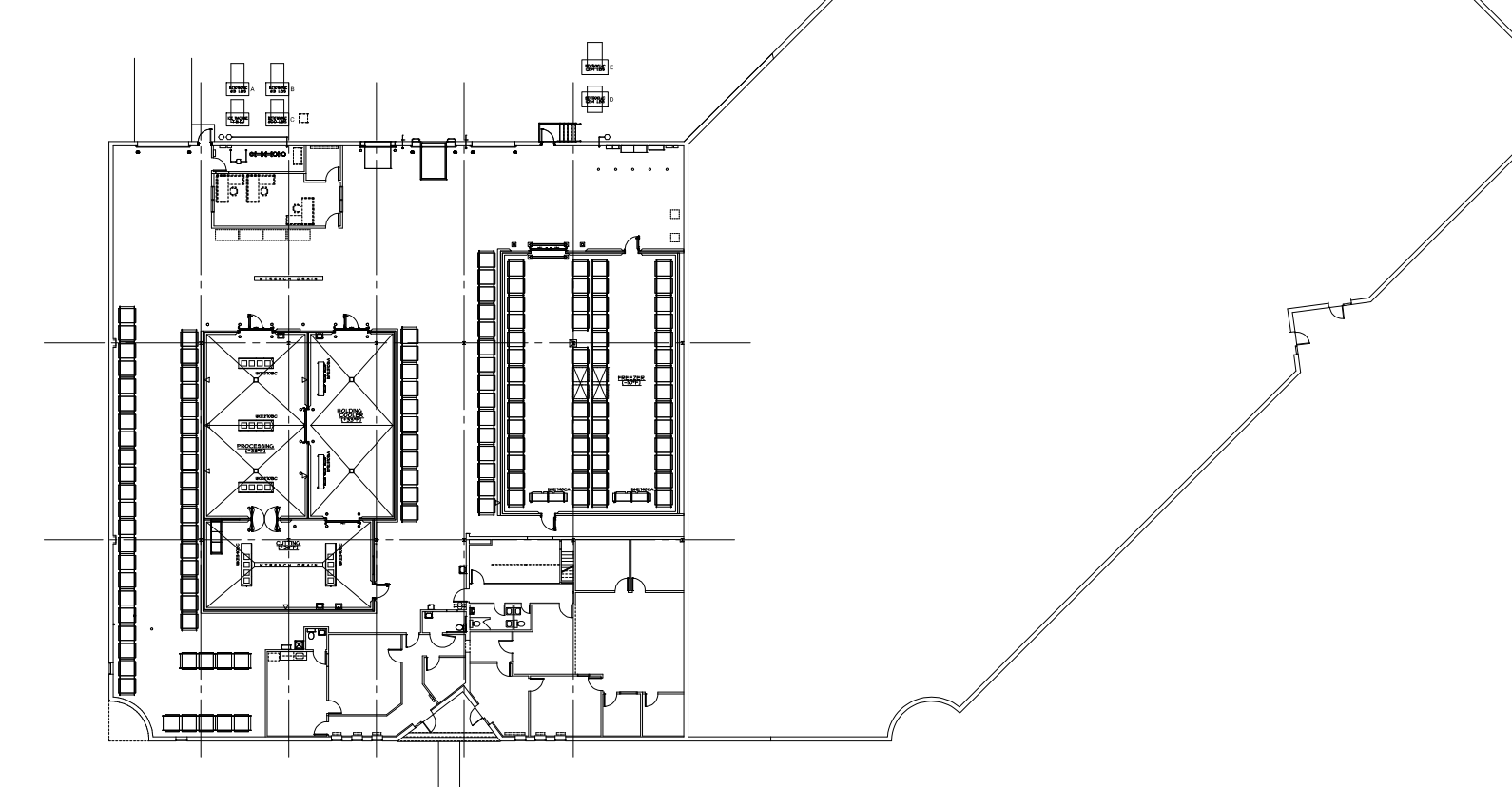
4 BREAK ROOM CABINETS  
A-2 N.T.S.



5 INTERIOR WINDOW  
A-2 N.T.S.



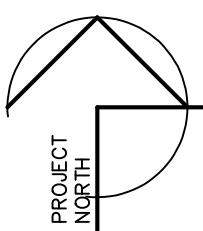
NEW DOCK  
LEVELER PIT  
N.T.S.



NO SCALE

ALL WORK AND MATERIALS SHALL  
COMPLY WITH "CONSTRUCTION CODE", BOARD OF  
HEALTH REQUIREMENTS, F.D.A.  
REQUIREMENTS, ETC. FOR  
PREPARATION, AND STORAGE  
OF SEAFOOD PRODUCTS.

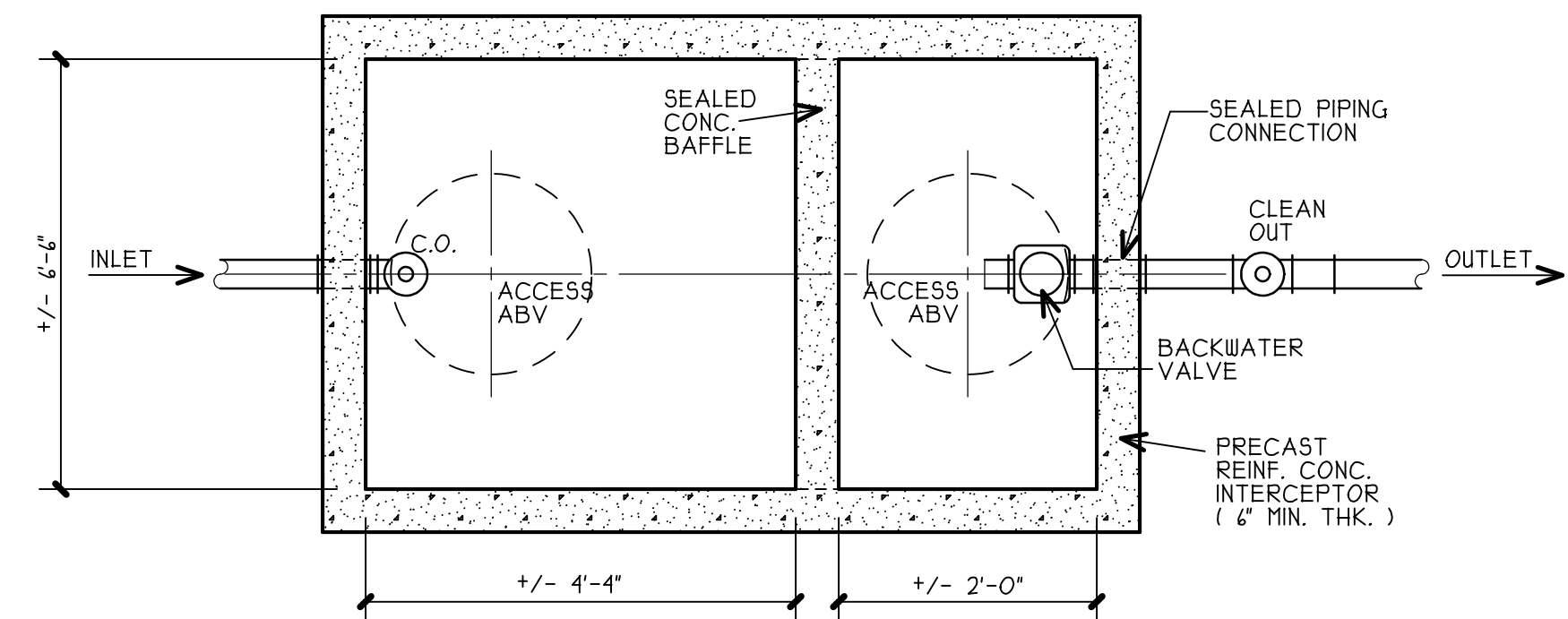
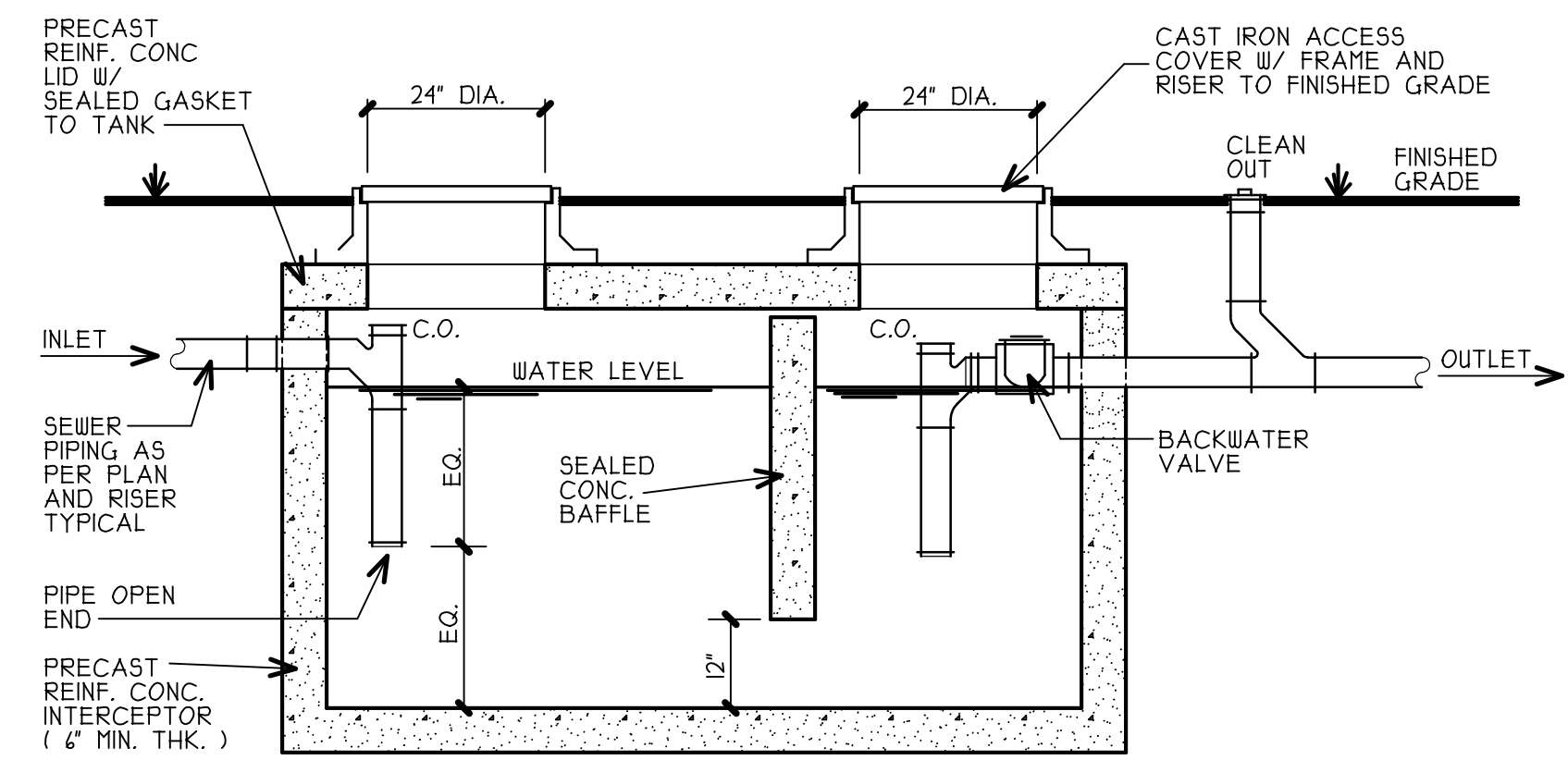
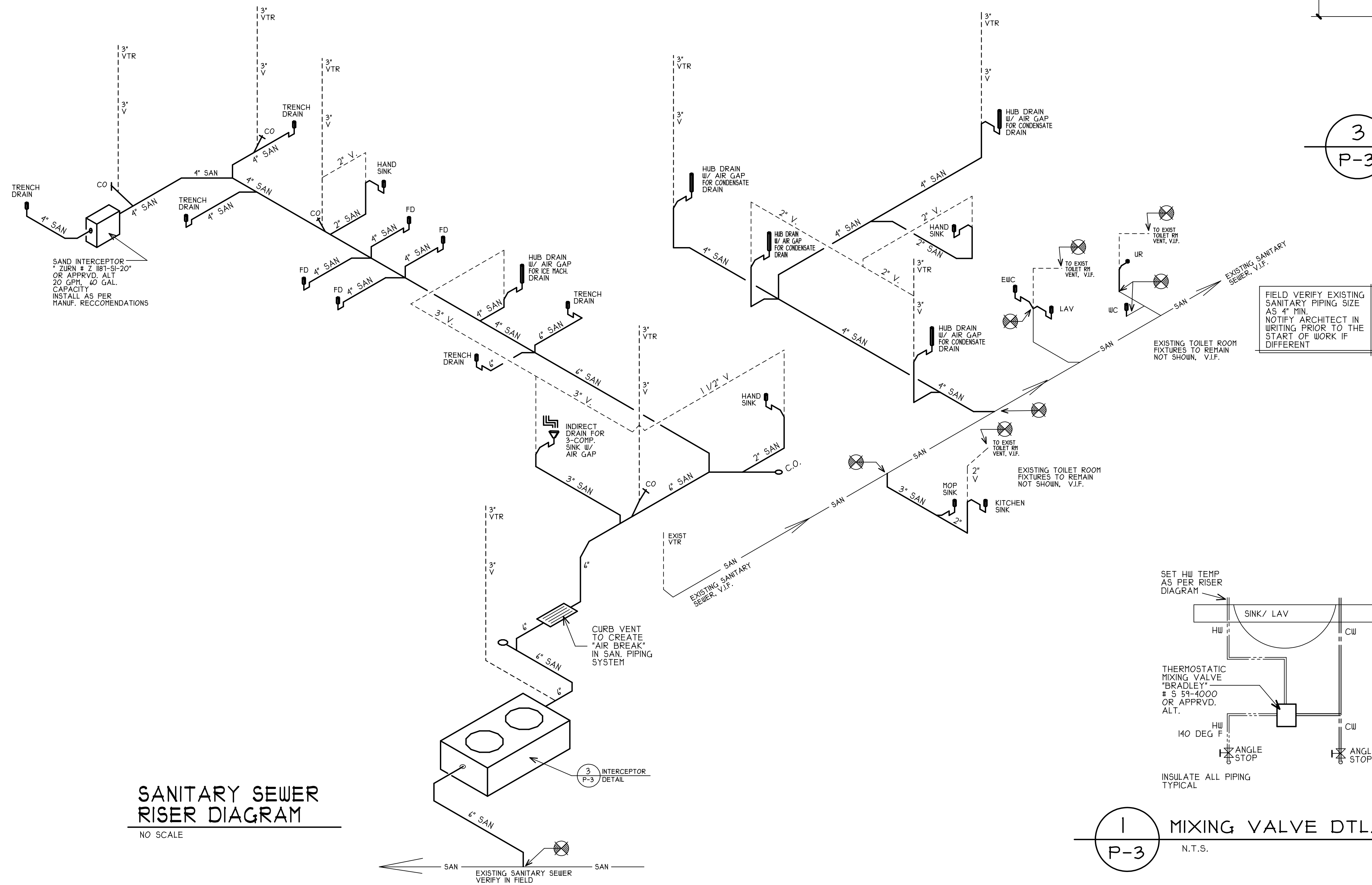
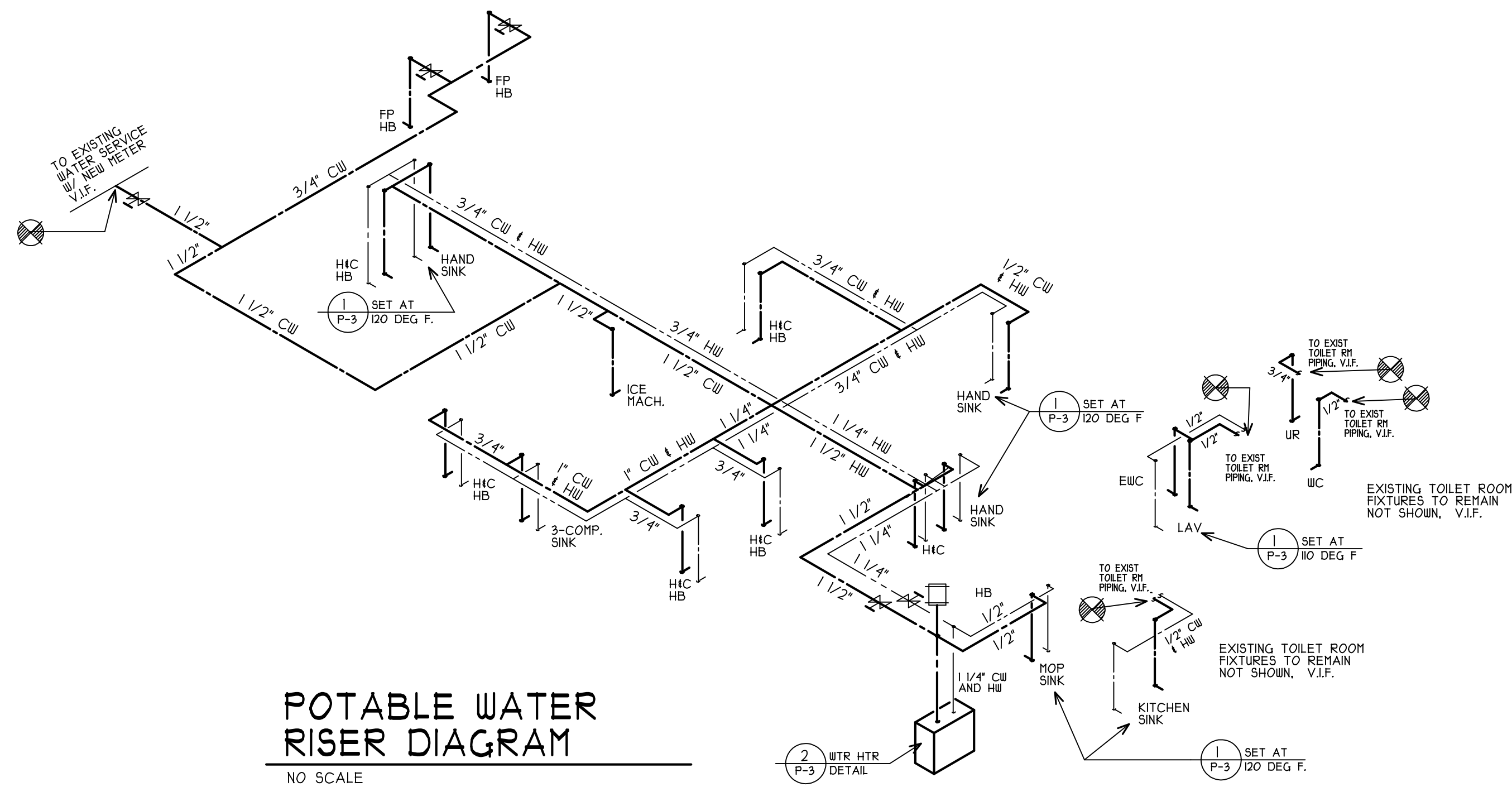
HARRY D. BOPP  
PA # RA 01525T B



+/- 140'-0" EXISTING, V.I.F.

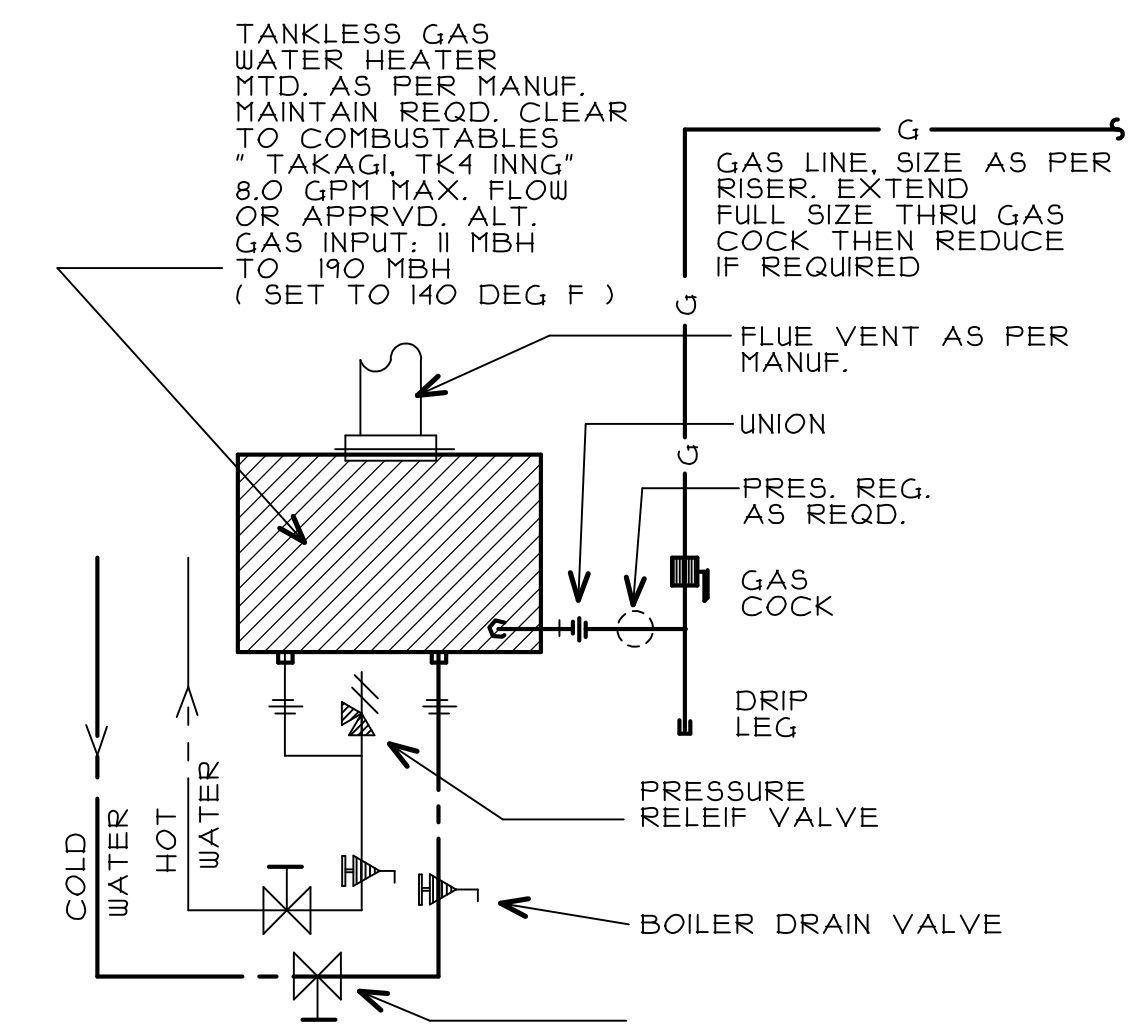
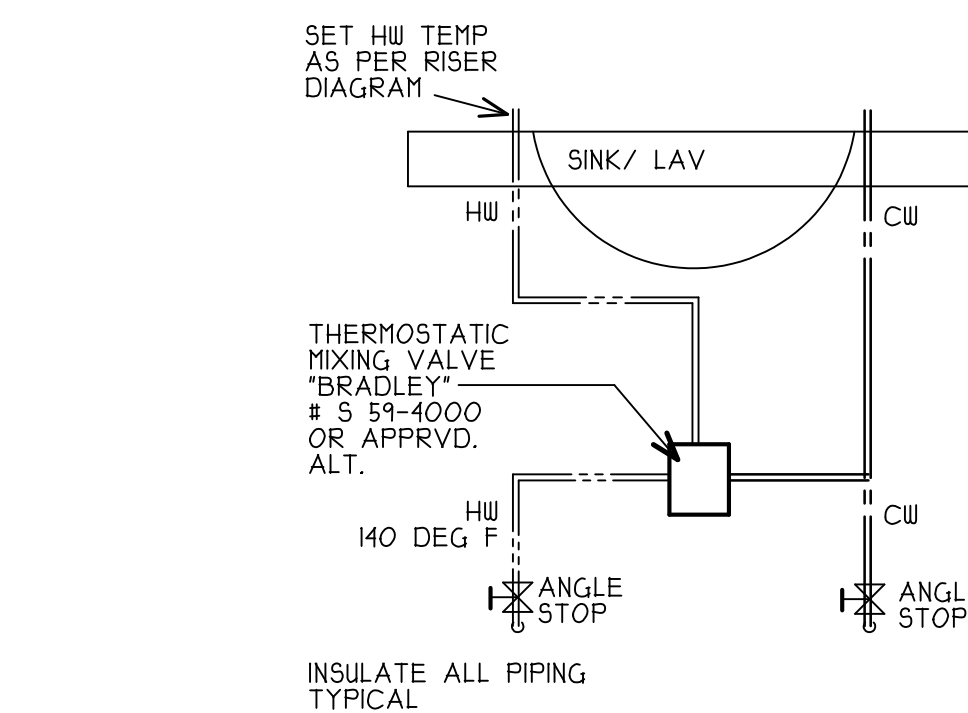
NOTE: MINIMUM PIPE SIZE BELOW GRADE IS 2"

5 OF 11



**3 1,000 GAL. INTERCEPTOR** N.T.S.

PRECAST REINF. CONCRETE INTERCEPTOR W/ SEALED INTERIOR SURFACES AND WITH CAST IRON ACCESS OPENINGS SUITABLE FOR TRUCK-TRAFFIC AREAS. INTERCEPTOR AND INSTALLATION SHALL BE IN CONFORMANCE WITH PLUMBING CODE SECTIONS # 1003.2.1 THRU 1003.2.8



PROPOSED INTERIOR TENANT RENOVATIONS TO THE EXISTING BUILDING FOR:  
**TRUE WORLD FOODS PHILADELPHIA, LLC**  
2430 TURPIKE DRIVE  
HATBORO, PENNSYLVANIA

| REVISION                                     | DATE      |
|----------------------------------------------|-----------|
| ISSUED FOR REVIEW                            | 1-21-17   |
| REVD AS PER TENANT COMMENTS (1-26-17 E-MAIL) | 1-31-2017 |
| REVD AS PER TENANT COMMENTS (8-4-17 E-MAIL)  | 8-10-2017 |
| REVD TITLE AS PER TENANT                     | 8-11-17   |

|              |          |
|--------------|----------|
| DATE         | 6-9-2017 |
| BY           |          |
| CHECKED      |          |
| COMM. NO.    | 29-6/17  |
| SHEET NUMBER | P-3      |

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**HARRY D. BOPP AIA**  
ARCHITECT

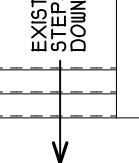
**PLUMBING DETAILS**

2 N. MAIN STREET - SUITE # 105  
HATBORO, NJ 08541-4425

PA. # RA 00251 B

NEW JERSEY 08055

HARRY D. BOPP

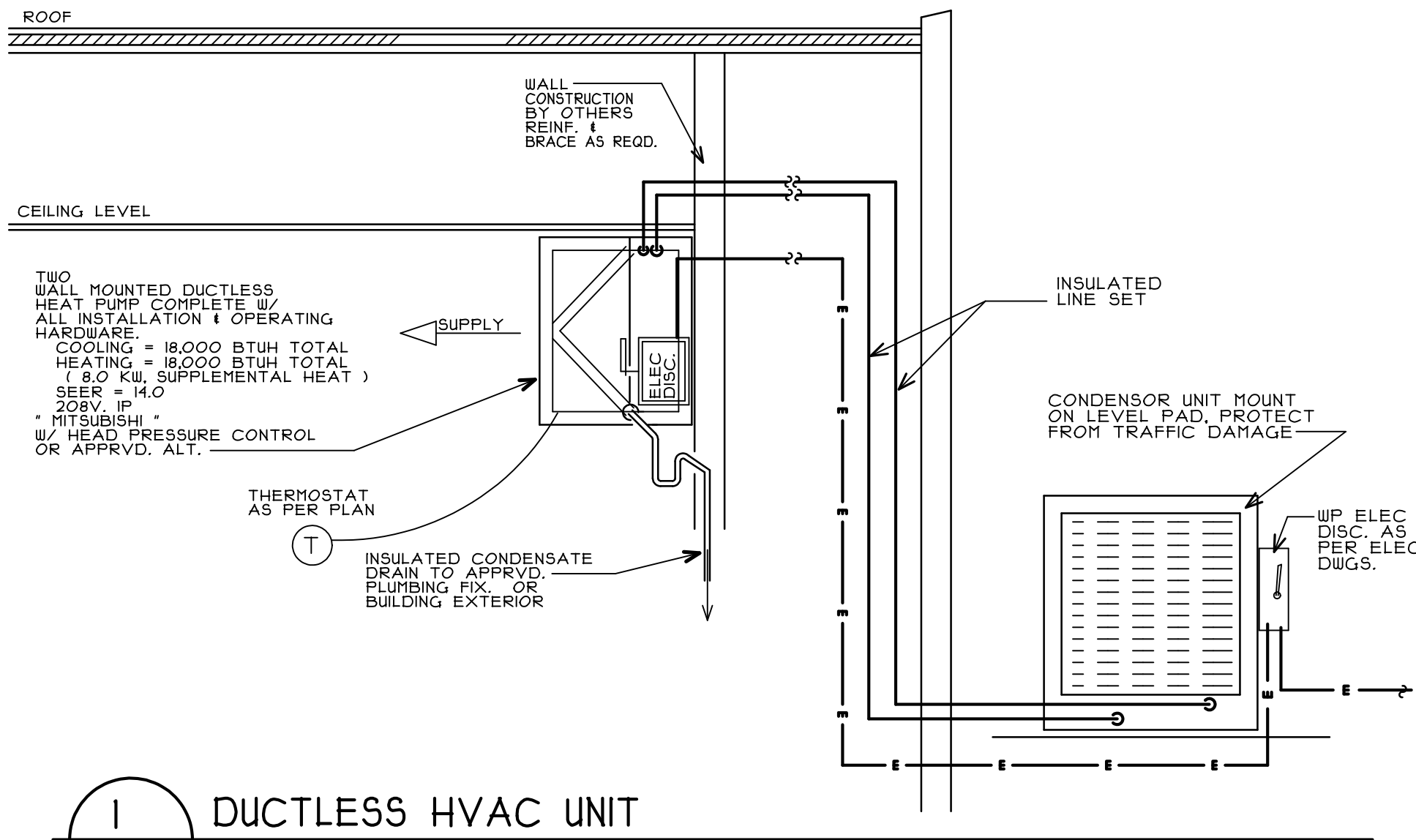


NORTH

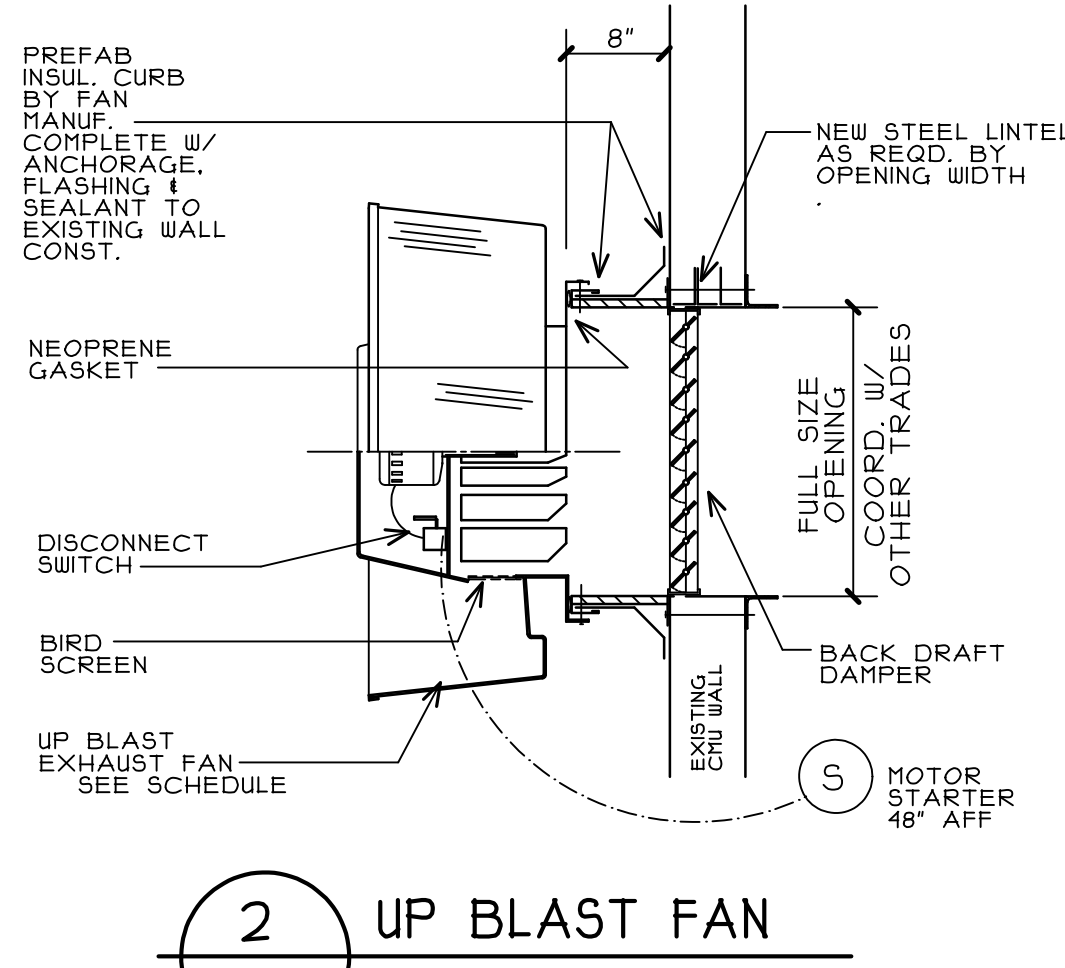
NOTE: Hangers and strapping materials shall be the same material as the piping to avoid galvanic action.

## TENANT HVAC PLAN

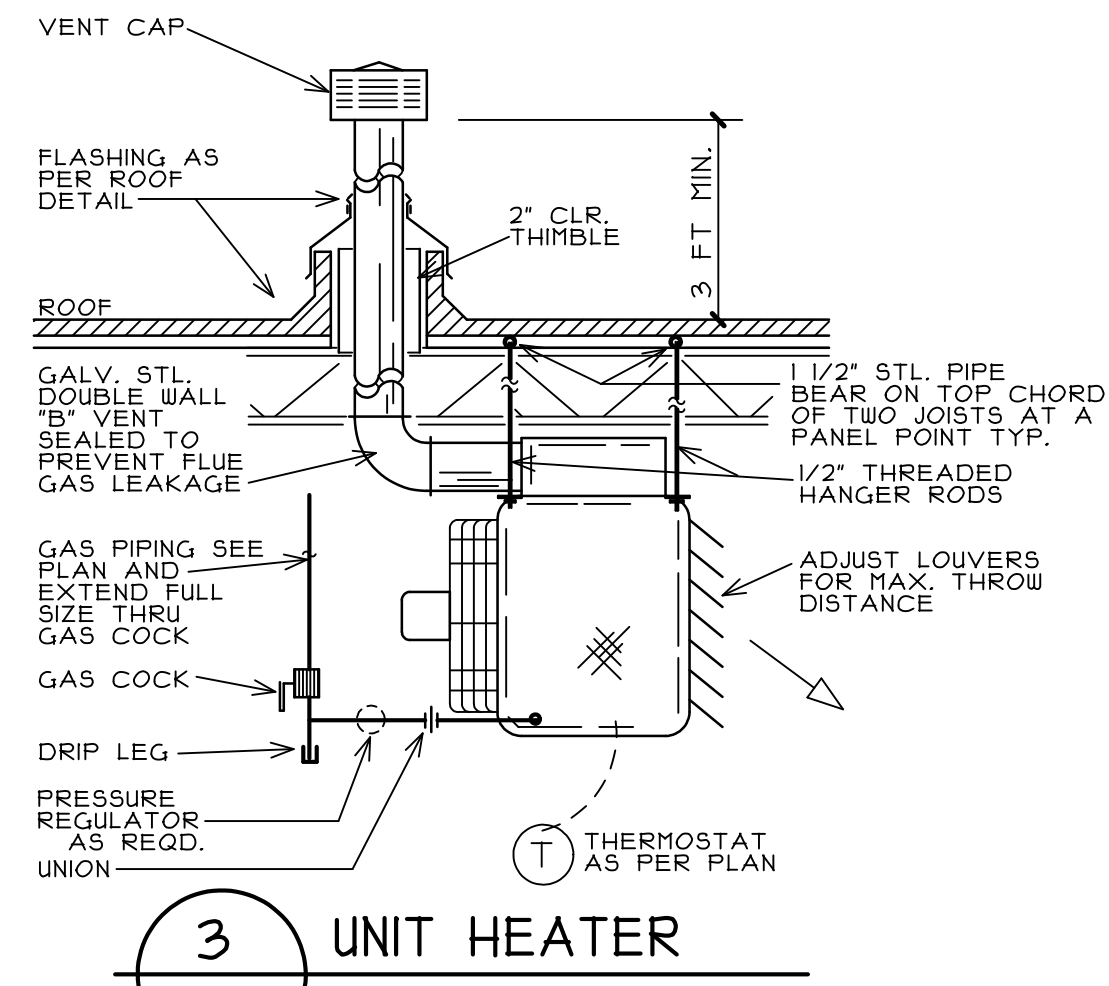
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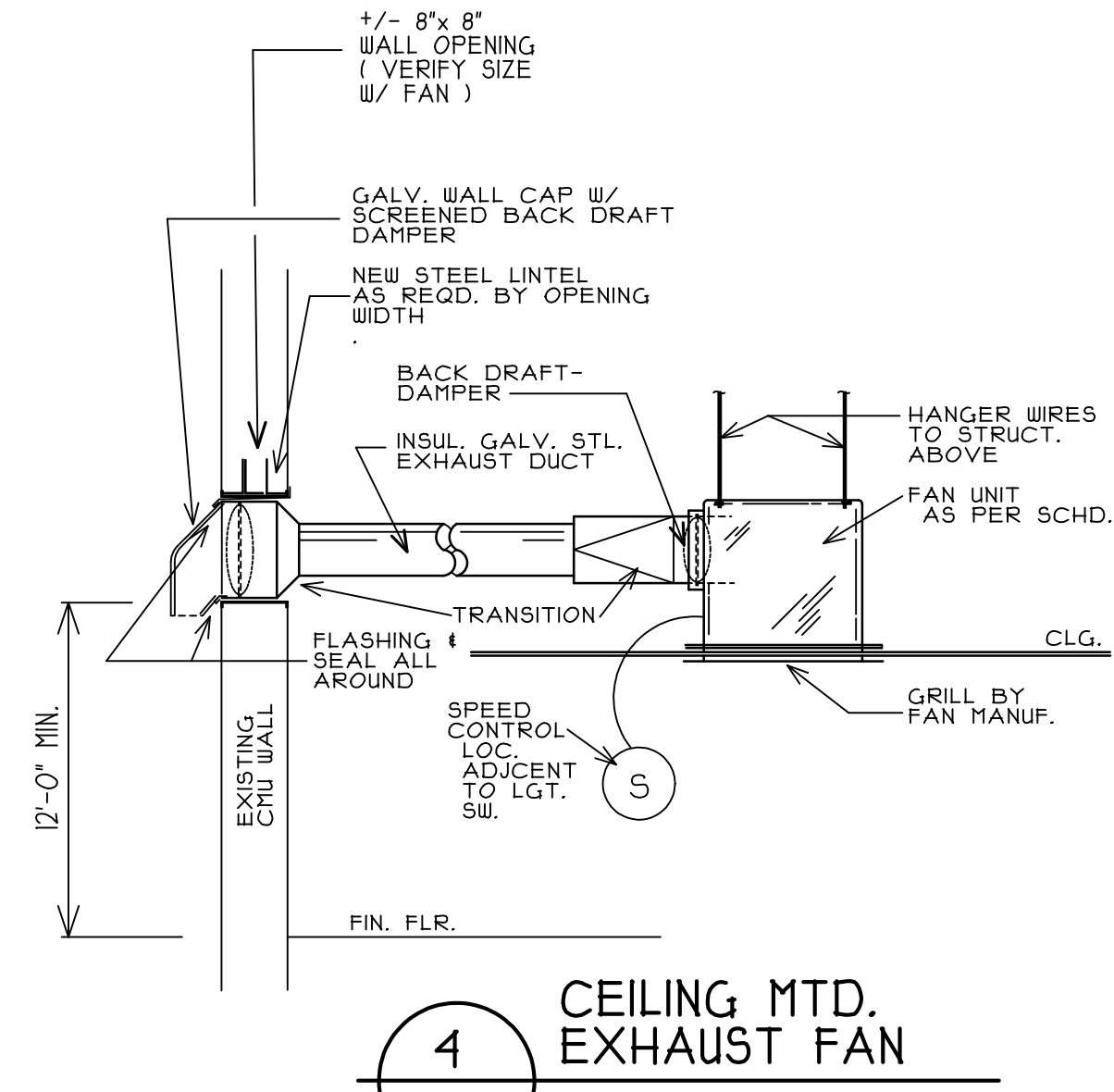
1 DUCTLESS HVAC UNIT  
M-2 NO SCALE



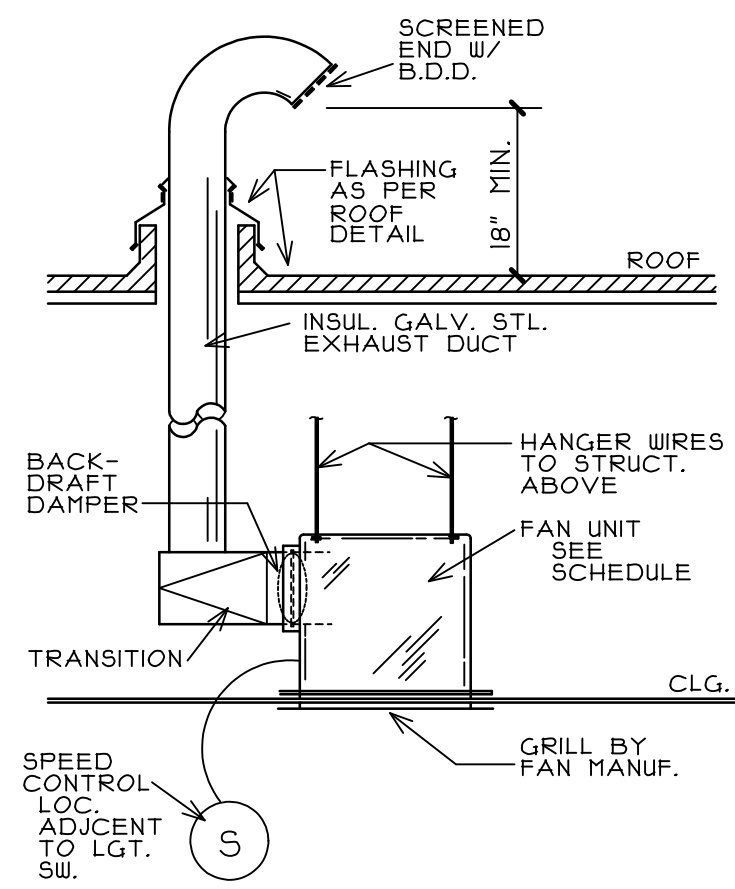
2 UP BLAST FAN  
M-2 NO SCALE



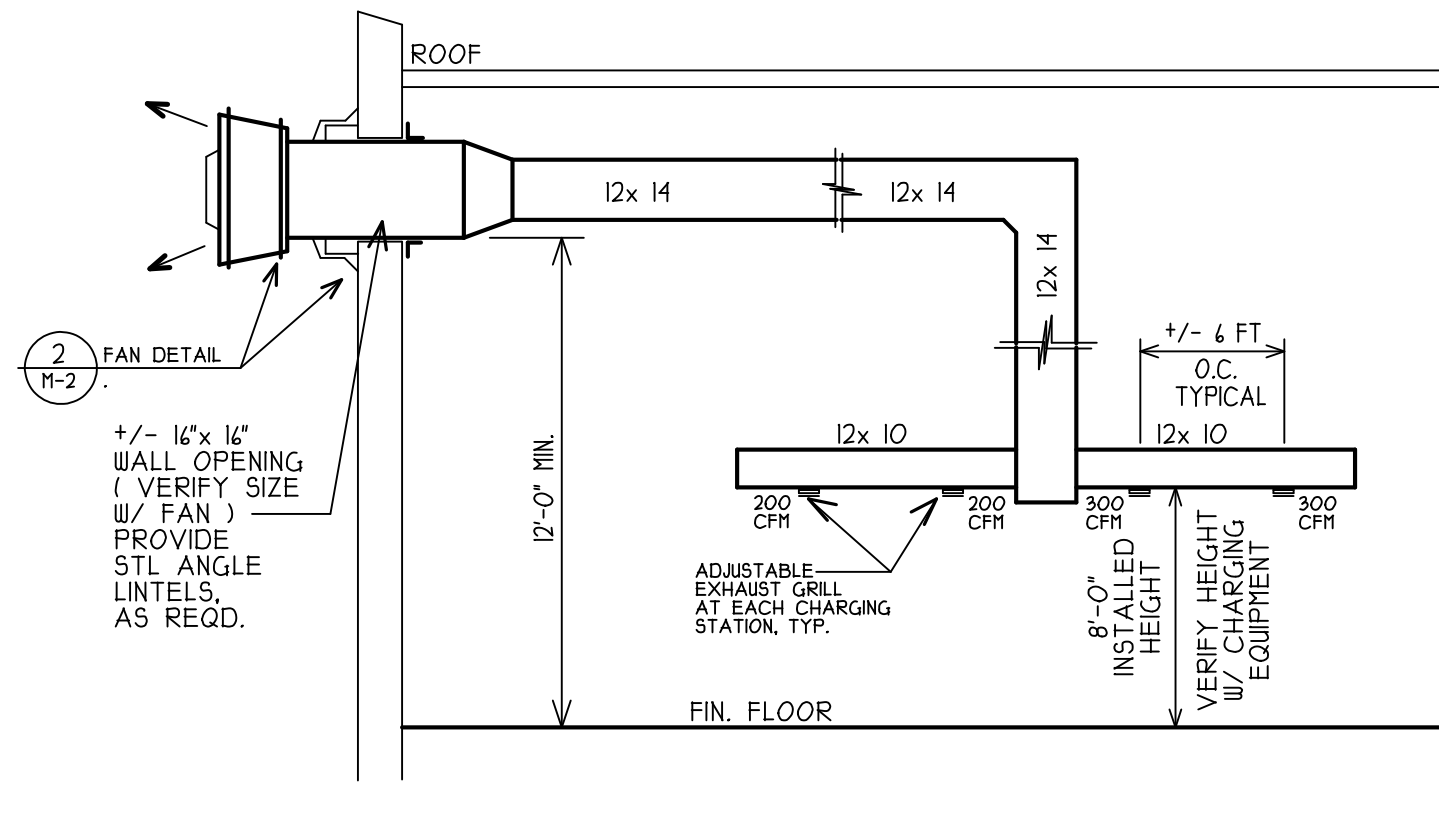
3 UNIT HEATER  
M-2 NO SCALE



4 CEILING MTD. EXHAUST FAN  
M-2 NO SCALE



5 CEILING MTD. EXHAUST FAN  
M-2 NO SCALE



6 CHARGING STATION DETAIL  
M-2 NO SCALE

| EXHAUST FAN SCHEDULE |                                           |       |      |          |               |                                                                                           |  |
|----------------------|-------------------------------------------|-------|------|----------|---------------|-------------------------------------------------------------------------------------------|--|
| TAG                  | HPGR. & MODEL NO.                         | CFM   | S.P. | HP/WATTS | VOLTS / PHASE | COMMENTS                                                                                  |  |
| EF 1                 | * GREENHECK*<br># SP-B110<br>( CLG. MTD ) | 85    | 0.5" | 80 W     | 120V/ 1P      | SEE DTL. # 5/M-2<br>CONTROLLED WITH SWITCH                                                |  |
| EF 2                 | * GREENHECK*<br># SP-A200<br>( CLG. MTD ) | 100   | 0.5" | 48 W     | 120V/ 1P      | SEE DTL. # 4/M-2<br>CONTROLLED WITH 24/ 1 TIMER                                           |  |
| EF 3                 | * GREENHECK*<br># SP-A200<br>( CLG. MTD ) | 100   | 0.5" | 48 W     | 120V/ 1P      | SEE DTL. # 4/M-2<br>CONTROLLED WITH SWITCH                                                |  |
| EF 4                 | * GREENHECK*<br>CWB-# 121<br>( WALL MTD ) | 1,000 | 1.0" | 1/2 HP   | 120V/ 1P      | SEE DTL. # 2/M-2 & 6/ M-2<br>WITH EXPLOSION PROOF MOTOR &<br>CONTROLLED WITH MOTOR STATER |  |
| EF 5                 | * GREENHECK*<br># SP-A200<br>( CLG. MTD ) | 142   | 0.5" | 48 W     | 120V/ 1P      | SEE DTL. # 5/M-2<br>CONTROLLED WITH SWITCH                                                |  |
| EF 6                 | * GREENHECK*<br># SP-A390<br>( CLG. MTD ) | 325   | 0.5" | 135 W    | 120V/ 1P      | SEE DTL. # 5/M-2<br>CONTROLLED WITH SWITCH                                                |  |
| EF 7                 | * GREENHECK*<br># SP-A390<br>( CLG. MTD ) | 325   | 0.5" | 135 W    | 120V/ 1P      | SEE DTL. # 5/M-2<br>CONTROLLED WITH SWITCH                                                |  |

PROPOSED INTERIOR TENANT RENOVATIONS TO THE EXISTING BUILDING FOR:  
**TRUE WORLD FOODS PHILADELPHIA, LLC**  
2430 TURPIKE DRIVE  
HATBORO, PENNSYLVANIA

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**HARRY D. BOPP AIA**  
ARCHITECT

HVAC DETAILS

HARRY D. BOPP  
P.A. # RA 00251 B

0805

NEW JERSEY 08055

1425

# 103

2 N. MAIN STREET

PHILADELPHIA, PA

| REVISION                                     | DATE      |
|----------------------------------------------|-----------|
| ISSUED FOR REVIEW                            | 7-21-17   |
| REVD AS PER TENANT COMMENTS (7-26-17 E-MAIL) | 7-31 2017 |
| REVD AS PER TENANT COMMENTS (8-4-17 E-MAIL)  | 8-10 2017 |
| REVD TITLE AS PER TENANT                     | 8-11-17   |

DATE **6- 9- 2017**

BY

CHECKED

COMM. NO. **29- 6/17**

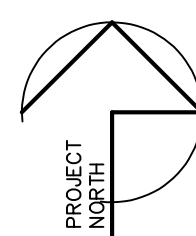
SHEET NUMBER

**M-2**

8 OF 11

+/- 140'-0" EXISTING, V.I.F.

+/- 134'-4" EXISTING, V.I.F.



# TENANT LIGHTING PLAN

SCALE: 1/8" = 1'-0"

WIRE ALL LIGHTS TO EXISTING LIGHTING CIRCUITS  
IN EXISTING PANELS # P-1 & P-2  
DO NOT EXCEED 1/6 A LOAD FOR 20 A CIRCUIT  
VERIFY IN FIELD

## LIGHTING LEGEND:

| EXISTING TO BE REMOVED<br>REMOVE ALL<br>UNUSED WIRING<br>TO SOURCE &<br>TERMINATE IN<br>A SAFE MANNER | EXISTING TO REMAIN<br>VERIFY FOR<br>SAFE OPERATION<br>AND REPAIR AS<br>REQUIRED | NEW OR<br>NEW LOCATION<br>OF RELOCATED<br>EQUIPMENT<br>( VERIFY<br>REPAIR RE-USED<br>EQUIPMENT AS<br>REQUIRED ) |                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                       |                                                                                 |                                                                                                                 | 24 4-TUBE LAY-IN FLUORESCENT FIXTURE 1/2" ACRYLIC PRISMATIC LENS - FLAT STEEL FRAME - ELECTRONIC ENERGY SAVING BALLAST 120V OR 277V AS REQ. ( HTD TO UNDERSIDE OF BAR JOISTS UNQ. )<br>FIXTURE: " HATCH EXISTING "                                                                                                                                            |
|                                                                                                       |                                                                                 |                                                                                                                 | 8 FT 2-TUBE INDUSTRIAL FLUORESCENT FIXTURE 1/2" REFLECTOR - ELECTRONIC ENERGY SAVING BALLAST 120V OR 277V AS REQ. ( HTD TO UNDERSIDE OF BAR JOISTS UNQ. )<br>FIXTURE: " HATCH EXISTING "                                                                                                                                                                      |
|                                                                                                       |                                                                                 |                                                                                                                 | 4 FT 2-TUBE SURFACE MTD FLUORESCENT FIXTURE 1/2" SEALED WRAPAROUND LENS - FLAT STEEL FRAME - ELECTRONIC ENERGY SAVING BALLAST 120V OR 277V AS REQ.<br>FIXTURE: "LITHONIA LIGHTING" OR APPROVED ALTERNATE<br>LAMPS: 320 18                                                                                                                                     |
|                                                                                                       |                                                                                 |                                                                                                                 | HIGH PRESSURE SODIUM EXTERIOR WALL PACK 1/2" VANDAL RESISTANT LENS - 277 V<br>FIXTURE: HUBBELL OR APPROV. ALT.<br>LAMP: ( AS PER SITE PLAN )<br>DUSK TO DAWN PHOTOCELL CONTROL                                                                                                                                                                                |
|                                                                                                       |                                                                                 |                                                                                                                 | ILLUMINATED EXIT SIGN 1/2" WHITE BAKED ENAMEL FINISH - 4" RED LETTERS - UNIVERSAL HOUSING FOR TOP BACK OR SIDE MTD. WIRE TO EMERGENCY LGT. BATTERY PACK.<br>FIXTURE: " HATCH EXISTING "                                                                                                                                                                       |
|                                                                                                       |                                                                                 |                                                                                                                 | EMERGENCY LIGHT FIXTURE AND BATTERY PACK 1/2" LGT. HEADS AS SHOWN - 12V / 50W ( HTD T-4" AFF )<br>FIXTURE: " HATCH EXISTING "                                                                                                                                                                                                                                 |
|                                                                                                       |                                                                                 |                                                                                                                 | 120V/20A SINGLEPOLE WALL SWITCH COMMERCIAL GRADE ( HTD 48" AFF )                                                                                                                                                                                                                                                                                              |
|                                                                                                       |                                                                                 |                                                                                                                 | 120V/20A THREE WAY WALL SWITCH COMMERCIAL GRADE ( HTD 48" AFF )                                                                                                                                                                                                                                                                                               |
|                                                                                                       |                                                                                 |                                                                                                                 | WALL MOUNTED MOTION DETECTOR OCCUPANCY SENSOR LIGHTING CONTROLLER ( VERIFY LOCATION FOR CLEAR VIEW )                                                                                                                                                                                                                                                          |
|                                                                                                       |                                                                                 |                                                                                                                 | CEILING MOUNTED MOTION DETECTOR OCCUPANCY SENSOR LIGHTING CONTROLLER ( VERIFY LOCATION FOR CLEAR VIEW )                                                                                                                                                                                                                                                       |
|                                                                                                       |                                                                                 |                                                                                                                 | CEILING MOUNTED EXHAUST FAN                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                       |                                                                                 |                                                                                                                 | 8 FT LED SURFACE MTD FLUORESCENT FIXTURE 1/2" WATERPROOF SEALED WRAPAROUND LENS - ELECTRONIC ENERGY SAVING BALLAST 120V OR 277V AS REQ. ( COLD START AS REQ. )<br>FIXTURE: "LITHONIA LIGHTING" FEH L48 20000 LH 1/2" INTEGRAL MOTION SENSOR OR APPROV. ALT.<br>LAMP: LED 20,000 LUMENS, 64 WATTS<br>APPROV. FOR FOOD PROCESSING AND MEAT AREA INSTALLATIONS   |
|                                                                                                       |                                                                                 |                                                                                                                 | 4 FT LED SURFACE MTD FLUORESCENT FIXTURE 1/2" WATERPROOF SEALED WRAPAROUND LENS - ELECTRONIC ENERGY SAVING BALLAST 120V OR 277V AS REQ. ( COLD START AS REQ. )<br>FIXTURE: "LITHONIA LIGHTING" FEH L48 10000 LH 1/2" INTEGRAL MOTION SENSOR OR APPROV. ALT.<br>LAMP: LED 10,000 LUMENS, 18 WATTS<br>APPROV. FOR FOOD PROCESSING AND MEAT AREA INSTALLATIONS   |
|                                                                                                       |                                                                                 |                                                                                                                 | 4 FT LED SURFACE MTD FLUORESCENT FIXTURE 1/2" SHATTERPROOF SEALED WRAPAROUND LENS - ELECTRONIC ENERGY SAVING BALLAST 120V OR 277V AS REQ. ( COLD START AS REQ. )<br>FIXTURE: "LITHONIA LIGHTING" FEH L48 20000 LH 1/2" INTEGRAL MOTION SENSOR OR APPROV. ALT.<br>LAMP: LED 20,000 LUMENS, 64 WATTS<br>APPROV. FOR FOOD PROCESSING AND MEAT AREA INSTALLATIONS |
|                                                                                                       |                                                                                 |                                                                                                                 | EMERGENCY LIGHT FIXTURE AND BATTERY PACK 1/2" LGT. HEADS AS SHOWN - 12V / 50W ( HTD T-4" AFF )<br>FIXTURE: "LITHONIA LIGHTING" OR APPROV. ALT.<br>LAMP: LED 120V OR 277V TO MATCH LGT. CKT. ( REMOTE HEADS AS SHOWN )<br>APPROV. FOR FOOD PROCESSING AND MEAT AREA INSTALLATIONS ( AS REQUIRED )                                                              |
|                                                                                                       |                                                                                 |                                                                                                                 | ILLUMINATED EXIT SIGN 1/2" WHITE BAKED ENAMEL FINISH - 4" RED LETTERS - UNIVERSAL HOUSING FOR TOP BACK OR SIDE MTD. WIRE TO EMERGENCY LGT. BATTERY PACK.<br>FIXTURE: "LITHONIA LIGHTING" OR APPROVED ALTERNATE<br>LAMPS: RED LED<br>ARROW DIRECTION AS SHOWN OR AS REQUIRED<br>APPROV. FOR FOOD PROCESSING AND MEAT AREA INSTALLATIONS ( AS REQUIRED )        |

PROPOSED INTERIOR TENANT RENOVATIONS TO THE EXISTING BUILDING FOR:

TRUE WORLD FOODS PHILADELPHIA, LLC

2130 TURPIKE DRIVE  
HATBORO, PENNSYLVANIA

| REVISION                                     | DATE      |
|----------------------------------------------|-----------|
| ISSUED FOR REVIEW                            | 7-21-17   |
| REVD AS PER TENANT COMMENTS (7-26-17 E-MAIL) | 7-31 2017 |
| REVD AS PER TENANT COMMENTS (8-4-17 E-MAIL)  | 8-10 2017 |
| REVD TITLE AS PER TENANT                     | 8-11-17   |

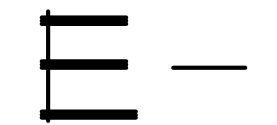
DATE 6- 9- 2017

BY

CHECKED

COMM. NO. 29- 6/17

SHEET NUMBER



9 OF 11

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HARRY D. BOPP AIA  
ARCHITECT

TENANT LIGHTING PLAN

2 N. MAIN STREET - SUITE # 105  
MEDFORD, NEW JERSEY 08055  
(609) 651-1425

HARRY D. BOPP  
P.A. # RA 00251 B

+/- 140'-0" EXISTING, V.I.F.

+/- 134'-4" EXISTING, V.I.F.



# TENANT ELECTRIC PLAN

SCALE: 1/8" = 1'-0"

- PROCESS, PRODUCTION, AND REFRIGERATION EQUIPMENT, ETC. ( BY OTHERS )  
VERIFY LOCATION, WIRING CONFIGURATION, POWER REQUIREMENTS, FEEDER, ETC  
W/ SUPPLIER AND MANUFACTURE, PRIOR TO THE START OF WORK, TYPICAL

## ELECTRIC NOTES:

- All work is to comply with the "International Building Code 2014" ( IBC ) ,  
"National Electrical Code 2014 ed" ( N.E.C. ), ASHRAE/IESNA  
90I-1, "NFPA 70-1", "Occupational Safety and Health Act" and any other  
applicable state or local codes.
- Electrical work shall include, but not necessarily be limited to, electrical service,  
distribution system, panel boards, wiring for power and control, HVAC smoke detectors,  
alarm systems, lighting, wiring and fixtures, as well as connections for equipment  
furnished by others and temporary light and power.
- Telephone outlets, if shown on the plan, shall be pre-wired with wall outlets during  
construction.
- All spare circuits shall be equipped with hardware.
- Any core drilling or structural alterations necessary shall be coordinated with the  
general contractor and the structural engineer.
- All transformers to be protected in accordance with N.E.C. 450-3.
- All electrical equipment to be U.L. approved and so labeled. Installation to be in  
accordance with the manufacturer and the N.E.C.
- All penetrations through a wall or partition shall be sealed. All penetrations  
through a fire rated assembly or a floor level shall be with a sealed metallic conduit, tightly  
packed and sealed with a non-sag intumescent sealant (such as "311 Brand Fire Barrier").
- Drawings are diagrammatic and indicate the general arrangement of systems and  
work included in the contract. Drawings are not to be scaled; refer to architectural  
drawings for dimensions and room names.
- All locations are subject to change as may be necessary to avoid obstacles in the  
work. The contractor shall verify all dimensions and conditions at the site and examine  
work of other trades and avoid interferences with their work. Any discrepancies are to be  
brought to the attention of the architect in writing.
- Installations in buildings assigned to Seismic Performance Category C or D shall  
be anchored and braced to resist seismic forces in accordance with Chapter 16 of the  
"Building Code".
- Coordinate service installation, loads, construction specifications and scheduling  
with the utility company. All metering shall be in accordance with the utility company.  
Space for future check metering shall be in accordance with ASHRAE 90I.
- The electrician is responsible for crowding the loads so that all phases are as  
closely balanced as possible.
- Electrical equipment, receptacles, lights, etc. that are noted to be removed shall be  
completely removed. All unused wiring shall be removed to its source and terminated as  
per N.E.C.. Unused conduit shall be broken loose from the source (panelboard, etc.),  
capped and marked unused. Unused circuit breakers shall be locked "off" and marked  
spare.
- Any unsafe wiring, equipment, fixtures, etc. that are uncovered or discovered  
during construction shall be repaired or replaced to a safe condition in accordance with  
N.E.C.. Notify architect in writing of all unsafe conditions.
- CIRCUITS AND WIRING:
  - Wiring systems to be as follows, unless noted otherwise on the drawings (except  
where prohibited by N.E.C.):
    - Feeders and exposed areas = E.M.T. conduit (1/2" dia. min.).
    - Branch circuits concealed above  
suspended ceiling or in hollow  
stud walls = MC metallic sheathed cable
    - Underground = Rigid non-metallic conduit (3/4" dia. min.)
    - Hazardous areas = Threaded steel intermediate metal conduit  
(1/2" dia. min.)
    - Above ceiling return air plenums  
(where applicable) = E.M.T. conduit and MC cable with an impervious  
metal sheath and no non-metallic covering.
  - All wire to be COPPER; THHN/THWN-2, 90 deg.C, unless noted otherwise.
  - Wires for 20A circuits more than 15' from the panelboard shall be #10 AWG or  
larger as required.
  - All circuits to power equipment to have individual disconnects fused as  
required.
  - No raceways of any nature are to be installed within or on the roof surface.  
Install all raceways that service roof mounted equipment within the ceiling space below  
and stub up through the roof. Provide flashing and seal all roof penetrations in  
accordance with all roof warranties.

- Low voltage wiring for thermostats shall be supplied by the mechanical  
contractor.
  - For exact locations and requirements of mechanical equipment i.e. A/C units,  
fans, unit heaters,  
baseboard heaters, water heaters, etc.) refer to respective trade drawings.
  - Provide abrasion protection for wiring run through holes in metal studs,  
enclosures, etc..
- IT. LIGHTING:  
a. Electrical contractor shall coordinate the exact location of lighting fixtures with  
other trades.  
b. Design and Installation Criteria:  
Office area lighting = EXISTING V.I.F.  
Processing Area lighting = 50 f.c. at 3' A.F.F.  
c. Emergency and exit lighting shall be wired to normal area lighting ahead of any  
local switching. All emergency and exit lights shall be powered by a battery back-up  
system rated for 1 1/2 hours of normal operation. Coordinate fixture location and installation  
with Owner/ Tenant supplied furniture or equipment; relocate fixtures that are blocked  
or obstructed. Provide additional fixtures, as required, if furniture or equipment creates  
obstructions that can't be properly protected with the proposed fixtures.  
d. Contractor shall verify all door swings prior to installation of switch boxes.  
e. Warehouse lights to be installed along the bottom chord of the bar just unless  
noted otherwise.  
f. See Site Plan for exterior and parking lot lighting. Site lights to be controlled  
by a dusk to dawn photocell control unless noted otherwise.  
g. Light fixtures and installation shall comply with "Illuminating Engineering  
Society Recommended Procedure for Lighting Power Determination".  
IES LEP-1 " and " ASHRAE/IESNA ".  
h. All interior junction and switch boxes shall be galvanized steel unless noted  
otherwise.  
i. Coordinate switch and cover plate colors with interior designer and/or owner.

18. RECEPTACLE OUTLETS:  
a. Duplex receptacle outlets shall be 120V, 20A, rated. There shall be no more  
than eight (8) receptacles per 20A branch circuit or as shown on the plan.  
b. All toilet room outlets, outlets within 6' of a sink or water source, exterior  
outlets and/or outlets designated "GFI" shall be commercial 20A, rated ground fault  
interrupter type with test and reset capabilities.  
c. Where switches, receptacles and other outlets are shown back to back in  
interior partitions, they shall be staggered to prevent the transmission of sound.  
When in fire rated assemblies, locate each outlet in a separate stud space.  
d. All HVAC units shall have an approved receptacle outlet installed accessible to  
the unit and within 25'.  
e. All interior receptacle boxes shall be galvanized steel unless noted otherwise.  
f. Verify NEMA configuration of all special receptacles with owner's requirements.  
g. Coordinate switch and cover plate colors with interior designer and/or owner.

19. SWITCHBOARDS/ PANELBOARDS/ DISCONNECTS  
a. Panelboards and switchboards shall be dead front, circuit breaker type with  
aluminum bus and main bonding jumper. All shall be surface mounted UNO.  
Installation shall be in strict accordance with N.E.C. and manufacture  
( Manufacturer to be "Square-D" or approved alternate. )  
b. All service equipment shall be rated and labeled for service use. Coordinate  
service and metering requirements with utility company.  
c. Install equipment to maintain 3" minimum working clearance around all  
switchboards, panelboards, etc. or as required by N.E.C. Double required clearances in  
rooms with only one (1) exit and equipment rated 1200A, or more.  
d. Equipment, fuses, circuit breakers, etc. shall have an interruptive rating  
sufficient to carry the available fault current. Circuit breakers  
may be series rated. All items to have interruptive rating labeled.  
e. Circuit breakers used to switch lighting shall be rated and labeled type "SHD".  
Circuit breakers used with HVAC or refrigeration equipment shall be rated and  
labeled type "HACR" and used in accordance with the HVAC manufacturer's requirements.  
f. Mark all disconnects with load served. Provide a typewritten schedule affixed  
to each panelboard. Schedule should include circuit number, designation of load serviced  
and load in VA.

## ELECTRIC LEGEND:

| EXISTING TO<br>BE REMOVED<br>REMOVE ALL<br>UNUSED WIRING<br>TO SOURCE &<br>TERMINATE IN<br>A SAFE MANNER | EXISTING TO<br>REMAIN,<br>VERIFY FOR<br>SAFE OPERATION<br>AND REPAIR AS<br>REQUIRED | NEW OR<br>NEW LOCATION<br>OF RELOCATED<br>EQUIPMENT<br>( VERIFY &<br>REPAIR RE-USED<br>EQUIPMENT AS<br>REQUIRED ) |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |
|                                                                                                          |                                                                                     |                                                                                                                   |

C --- CONDUIT  
FU --- FUSED  
GFI --- GROUND FAULT INTERRUPTER  
GRD --- GROUND  
NL --- NIGHT LIGHT  
PNL --- PANELBOARD  
TDF --- TIME DELAY FUSE  
WP --- WEATHERPROOF

ALL WORK AND MATERIALS SHALL  
COMPLY WITH "CONSTRUCTION CODE", BOARD OF  
HEALTH REQUIREMENTS, F.D.A.  
REQUIREMENTS, ETC. FOR  
PREPARATION, AND STORAGE  
OF SEAFOOD PRODUCTS.

PROPOSED INTERIOR TENANT RENOVATIONS TO THE EXISTING BUILDING FOR:

TRUE WORLD FOODS PHILADELPHIA, LLC  
2430 TURPIKE DRIVE  
HATBORO, PENNSYLVANIA

| REVISION                                        | DATE         |
|-------------------------------------------------|--------------|
| ISSUED FOR REVIEW                               | 1-21-17      |
| REVD AS PER TENANT<br>COMMENTS (1-24-17 E-MAIL) | 1-31<br>2017 |
| REVD AS PER TENANT<br>COMMENTS (8-4-17 E-MAIL)  | 8-10<br>2017 |
| REVD TITLE AS PER TENANT                        | 8-11-17      |

DATE 6-9-2017

BY

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COMM. NO. 29- 6/17

SHEET NUMBER

E-2

10 OF 11

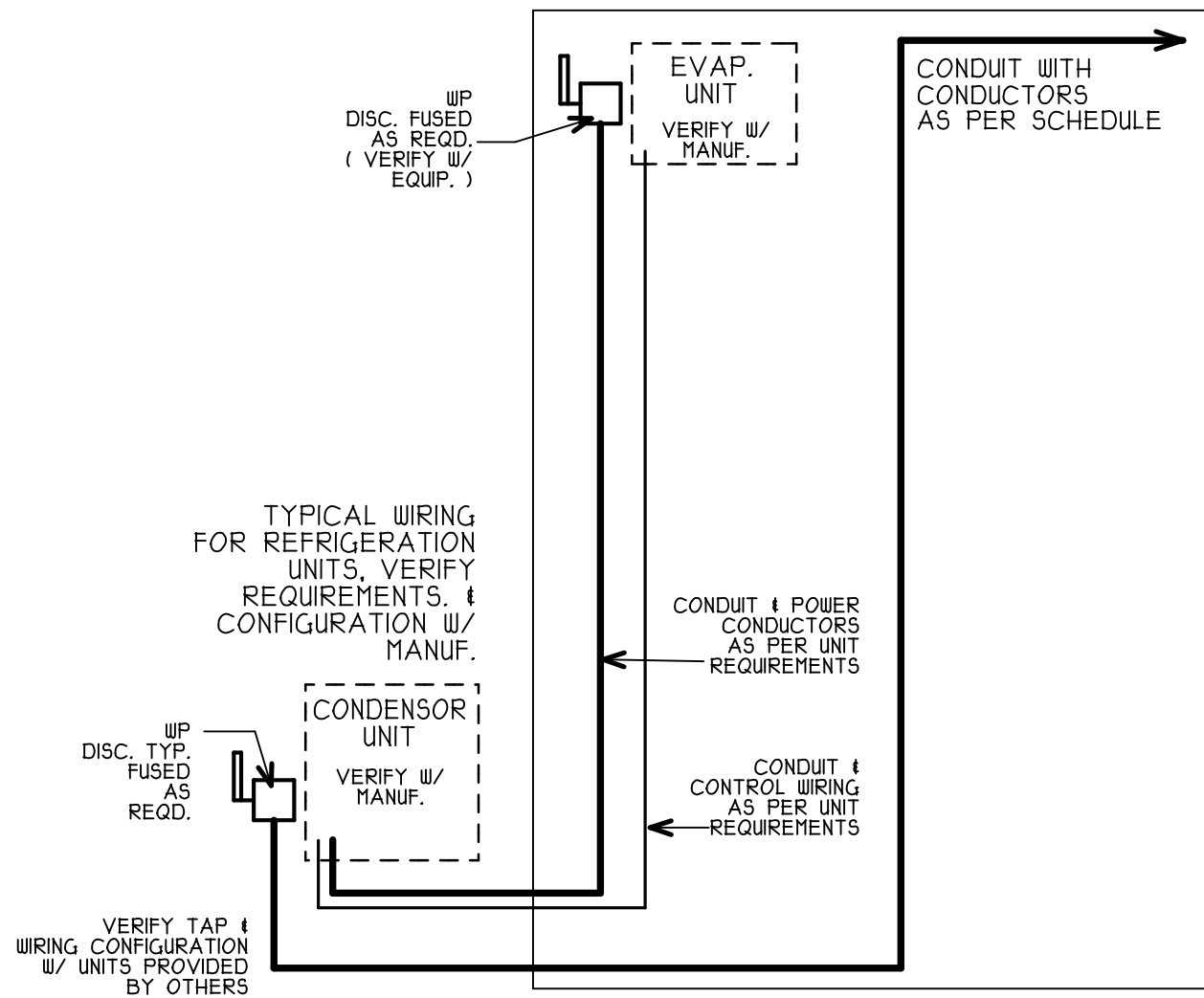
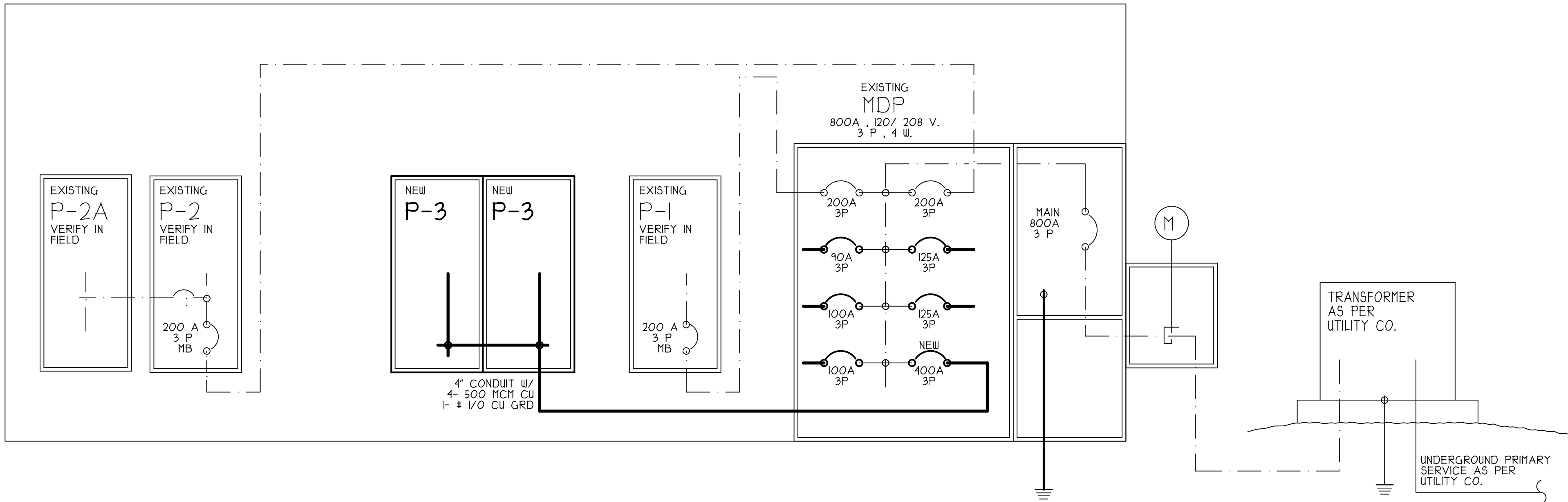
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HARRY D. BOPP AIA  
ARCHITECT

TENANT ELECTRIC PLAN

HARRY D. BOPP  
PA. R. 08251 B

2 N. MAIN STREET - SUITE 103  
MIDFORD, NEW JERSEY 08055  
(609) 651-1425



## ELECTRICAL SINGLE LINE

SEE PLAN FOR CORRECT ORIENTATION AND LOCATIONS

NO SCALE

- PROCESS, PRODUCTION, AND REFRIGERATION EQUIPMENT, ETC. ( BY OTHERS) VERIFY LOCATION, WIRING CONFIGURATION, POWER REQUIREMENTS, FEEDER, ETC W/ SUPPLIER AND MANUFACTURE, PRIOR TO THE START OF WORK, TYPICAL

PRIOR TO THE START OF WORK VERIFY FINAL REFRIGERATION EQUIPMENT SELECTION AND IF EVAPORATORS WILL BE FED FROM COMPRESSOR OR REQUIRE SEPERATE FEEDS AS SHOWN

| EXISTING PANEL "MDP" 120/ 208V. , 3 P, 4 W , 800 AMP. SERVICE PANEL |                   |     |              |      |      |                  |              |    |              |
|---------------------------------------------------------------------|-------------------|-----|--------------|------|------|------------------|--------------|----|--------------|
| QIR. NO.                                                            | EQUIPMENT         | KW  | BREAKER AMP. | POLE | WIRE | QIR. NO.         | EQUIPMENT    | KW | BREAKER AMP. |
| 1                                                                   | EXISTING P-1      | .   | 200          | 3    | .    | 2                | EXISTING P-2 | .  | 200          |
| 3                                                                   | "                 | .   | .            | .    | .    | 4                | "            | .  | .            |
| 5                                                                   | "                 | .   | .            | .    | .    | 6                | "            | .  | .            |
| 7                                                                   | NEW REFRIG        | 90  | 3            | 2    | 8    | NEW FREEZER      | 125          | 3  | 1/0          |
| 9                                                                   | VERIFY W/ EQUIP.  | .   | .            | .    | 10   | VERIFY W/ EQUIP  | .            | .  | .            |
| 11                                                                  | NEW REFRIG        | 100 | 3            | 1    | 14   | NEW FREEZER      | 125          | 3  | 1/0          |
| 13                                                                  | VERIFY EW/ EQUIP. | .   | .            | .    | 16   | VERIFY W/ EQUIP. | .            | .  | .            |
| 15                                                                  | NEW REFRIG.       | 100 | 3            | 1    | 20   | NEW P-3          | 400          | 3  | .            |
| 17                                                                  | VERIFY W/ EQUIP.  | .   | .            | .    | 22   | "                | .            | .  | .            |
| 21                                                                  | "                 | .   | .            | .    | 24   | "                | .            | .  | .            |
| 23                                                                  | "                 | .   | .            | .    |      |                  |              |    |              |

| NEW PANEL " P-3 " |                  |    |              |      |      | 120/ 208V. , 3 P, 4 W , 400 AMP. M.L.O. , 60 HZ. , 42 CKT.<br>WITH FEED THRU LUGS |                  |    |              |      |      |
|-------------------|------------------|----|--------------|------|------|-----------------------------------------------------------------------------------|------------------|----|--------------|------|------|
| QIR. NO.          | EQUIPMENT        | KW | BREAKER AMP. | POLE | WIRE | QIR. NO.                                                                          | EQUIPMENT        | KW | BREAKER AMP. | POLE | WIRE |
| 1                 | REFRIG. EVAP     | .  | 30           | 3    | 8    | 2                                                                                 | REFRIG. EVAP     | .  | 40           | 3    | 8    |
| 3                 | VERIFY W/ EQUIP. | .  | .            | .    | .    | 4                                                                                 | VERIFY W/ EQUIP. | .  | .            | .    | .    |
| 5                 | EQUIP.           | .  | .            | .    | .    | 6                                                                                 | EQUIP.           | .  | .            | .    | .    |
| 7                 | REFRIG. EVAP     | 30 | 3            | 8    | 8    | 8                                                                                 | REFRIG. EVAP     | 40 | 3            | 8    | 8    |
| 9                 | VERIFY W/ EQUIP. | .  | .            | .    | .    | 10                                                                                | VERIFY W/ EQUIP. | .  | .            | .    | .    |
| 11                | EQUIP.           | .  | .            | .    | .    | 12                                                                                | EQUIP.           | .  | .            | .    | .    |
| 13                | REFRIG. EVAP     | 30 | 3            | 8    | 14   | CHARGERS                                                                          | 40               | 2  | 8            | .    | .    |
| 15                | VERIFY W/ EQUIP. | .  | .            | .    | .    | 16                                                                                | VERIFY           | 40 | 2            | 8    | .    |
| 17                | EQUIP.           | .  | .            | .    | .    | 18                                                                                | CHARGERS         | 40 | 2            | 8    | .    |
| 19                | ICE MACH.        | 50 | 3            | 4    | 20   | VERIFY                                                                            | 40               | 2  | 8            | .    | .    |
| 21                | VERIFY W/ EQUIP. | .  | .            | .    | .    | 22                                                                                | CHARGER          | 20 | 1            | 12   | .    |
| 23                | EQUIP.           | .  | .            | .    | .    | 24                                                                                | CHARGER          | 20 | 1            | 12   | .    |
| 25                | DOCK LEVELER     | 20 | 3            | 10   | 26   | HEAT PUMP                                                                         | 30               | 2  | 8            | .    | .    |
| 27                | VERIFY W/ EQUIP  | .  | .            | .    | .    | 28                                                                                | VERIFY           | 60 | 2            | 8    | .    |
| 29                | EQUIP.           | .  | .            | .    | .    | 30                                                                                | DOOR OPERATOR    | 20 | 3            | 12   | .    |
| 31                | SPARE            | 30 | 3            | .    | .    | 32                                                                                | VERIFY W/ EQUIP. | .  | .            | .    | .    |
| 33                | "                | .  | .            | .    | .    | 34                                                                                | EQUIP.           | .  | .            | .    | .    |
| 35                | "                | .  | .            | .    | .    | 36                                                                                | BB HEATER        | 20 | 2            | 12   | .    |
| 37                | "                | .  | .            | .    | .    | 38                                                                                | "                | .  | .            | .    | .    |
| 39                | "                | .  | .            | .    | .    | 40                                                                                | WINDOW HEATER    | 20 | 1            | 10   | .    |
| 41                | "                | .  | .            | .    | .    | 42                                                                                | SERVICE OUTLETS  | 20 | 1            | 12   | .    |

| NEW PANEL " P-3 " 120/ 208V. , 3 P, 4 W , 400 AMP. M.L.O. , 60 HZ. , 42 CKT. |                |    |              |      |      |              |           |    |              |
|------------------------------------------------------------------------------|----------------|----|--------------|------|------|--------------|-----------|----|--------------|
| QIR. NO.                                                                     | EQUIPMENT      | KW | BREAKER AMP. | POLE | WIRE | QIR. NO.     | EQUIPMENT | KW | BREAKER AMP. |
| 43                                                                           | CHEST FREEZER  | 20 | 1            | 10   | 44   | OUTLETS      | 20        | 1  | 10           |
| 45                                                                           | CHEST FREEZER  | 20 | 1            | 10   | 46   | FAN/ OUTLETS | 20        | 1  | 10           |
| 47                                                                           | CHEST FREEZER  | 20 | 1            | 10   | 48   | OUTLETS      | 20        | 1  | 10           |
| 49                                                                           | CHEST FREEZER  | 20 | 1            | 10   | 50   | OUTLETS      | 20        | 1  | 10           |
| 51                                                                           | LIFT TABLE     | 20 | 1            | 10   | 52   | OUTLETS      | 20        | 1  | 10           |
| 53                                                                           | FISH SCALER    | 20 | 1            | 10   | 54   | OUTLETS      | 20        | 1  | 10           |
| 55                                                                           | TEMP. RECORDER | 20 | 1            | 10   | 56   | OUTLETS      | 20        | 1  | 10           |
| 57                                                                           | TEMP. RECORDER | 20 | 1            | 10   | 58   | OUTLETS      | 20        | 1  | 10           |
| 59                                                                           | TEMP. RECORDER | 20 | 1            | 10   | 60   | OUTLETS      | 20        | 1  | 10           |
| 61                                                                           | TEMP. RECORDER | 20 | 1            | 10   | 62   | OUTLETS      | 20        | 1  | 10           |
| 63                                                                           | FLR HEATER     | 40 | 2            | 8    | 64   | OUTLETS      | 20        | 1  | 10           |
| 65                                                                           | VERIFY SPACE   | .  | .            | .    | 66   | OUTLETS      | 20        | 1  | 10           |
| 67                                                                           | "              | .  | .            | .    | 68   | EWC OUTLET   | 20        | 1  | 10           |
| 69                                                                           | "              | .  | .            | .    | 70   | EXHAUST FAN  | 20        | 1  | 12           |
| 71                                                                           | "              | .  | .            | .    | 72   | SPACE        | .         | .  | .            |
| 73                                                                           | "              | .  | .            | .    | 74   | "            | .         | .  | .            |
| 75                                                                           | "              | .  | .            | .    | 76   | "            | .         | .  | .            |
| 77                                                                           | "              | .  | .            | .    | 78   | "            | .         | .  | .            |
| 79                                                                           | "              | .  | .            | .    | 80   | "            | .         | .  | .            |
| 81                                                                           | "              | .  | .            | .    | 82   | "            | .         | .  | .            |
| 83                                                                           | "              | .  | .            | .    | 84   | "            | .         | .  | .            |

| EXISTING PANEL " P-1 " 120/ 208V. , 3 P, 4 W , 200 AMP. M.B. , 60 HZ. . |             |    |              |      |      |          |           |    |              |
|-------------------------------------------------------------------------|-------------|----|--------------|------|------|----------|-----------|----|--------------|
| QIR. NO.                                                                | EQUIPMENT   | KW | BREAKER AMP. | POLE | WIRE | QIR. NO. | EQUIPMENT | KW | BREAKER AMP. |
| 1                                                                       | EXISTING AC | 50 | 3            | .    | 2    | EXISTING | 20        | 1  | .            |
| 3                                                                       | "           | 20 | 1            | .    | 4    | EXISTING | 20        | 1  | .            |
| 5                                                                       | "           | 20 | 1            | .    | 6    | "        | 20        | 1  | .            |
| 7                                                                       | EXISTING    | 20 | 1            | .    | 8    | "        | 20        | 1  | .            |
| 9                                                                       | "           | 20 | 1            | .    | 10   | "        | 20        | 1  | .            |
| 11                                                                      | "           | 20 | 1            | .    | 12   | "        | 20        | 1  | .            |
| 13                                                                      | EXISTING    | 20 | 1            | .    | 14   | "        | 20        | 1  | .            |
| 15                                                                      | "           | 20 | 1            | .    | 16   | "        | 20        | 1  | .            |
| 17                                                                      | EXISTING    | 20 | 1            | .    | 18   | "        | 20        | 1  | .            |
| 19                                                                      | "           | 20 | 1            | .    | 20   | EXISTING | 20        | 1  | .            |
| 21                                                                      | "           | 20 | 1            | .    | 22   | EXISTING | 20        | 1  | .            |
| 23                                                                      | "           | 20 | 1            | .    | 24   | EXISTING | 20        | 1  | .            |
| 25                                                                      | EXISTING    | 20 | 1            | .    | 26   | "        | 20        | 1  | .            |
| 27                                                                      | "           | 20 | 1            | .    | 28   | "        | 20        | 1  | .            |
| 29                                                                      | "           | 20 | 1            | .    | 30   | "        | 20        | 1  | .            |

| EXISTING PANEL " P-2 " 120/ 208V. , 3 P, 4 W , 200 AMP. M.B. , 60 HZ. . |           |    |              |      |      |          |           |    |              |
|-------------------------------------------------------------------------|-----------|----|--------------|------|------|----------|-----------|----|--------------|
| QIR. NO.                                                                | EQUIPMENT | KW | BREAKER AMP. | POLE | WIRE | QIR. NO. | EQUIPMENT | KW | BREAKER AMP. |
| 1                                                                       | EXISTING  | 20 | 1            | .    | 2    | EXISTING | 20        | 1  | .            |
| 3                                                                       | "         | 20 | 1            | .    | 4    | EXISTING | 20        | 1  | .            |
| 5                                                                       | "         | 20 | 1            | .    | 6    | "        | 20        | 1  | .            |
| 7                                                                       | EXISTING  | 20 | 1            | .    | 8    | EXISTING | 20        | 1  | .            |
| 9                                                                       | "         | 20 | 1            | .    | 10   | "        | 20        | 1  | .            |
| 11                                                                      | "         | 20 | 1            | .    | 12   | EXISTING | 20        | 1  | .            |
| 13                                                                      | EXISTING  | 20 | 1            | .    | 14   | "        | 20        | 1  | .            |
| 15                                                                      | "         | 20 | 1            | .    | 16   | EXISTING | 20        | 1  | .            |
| 17                                                                      | "         | 20 | 1            | .    | 18   | "        | 20        | 1  | .            |
| 19                                                                      | EXISTING  | 20 | 1            | .    | 20   | EXISTING | 20        | 1  | .            |
| 21                                                                      | "         | 20 | 1            | .    | 22   | "        | 20        | 1  | .            |
| 23                                                                      | "         | 20 | 1            | .    | 24   | "        | 20        | 1  | .            |
| 25                                                                      | EXISTING  | 20 | 1            | .    | 26   | "        | 20        | 1  | .            |
| 27                                                                      | "         | 20 | 1            | .    | 28   | "        | 20        | 1  | .            |
| 29                                                                      | "         | 20 | 1            | .    | 30   | "        | 20        | 1  | .            |

| EXISTING PANEL " P-2A " 120/ 208V. , 3 P, 4 W , 200 AMP. M.B. , 60 HZ. . |           |    |              |      |      |          |           |    |              |
|--------------------------------------------------------------------------|-----------|----|--------------|------|------|----------|-----------|----|--------------|
| QIR. NO.                                                                 | EQUIPMENT | KW | BREAKER AMP. | POLE | WIRE | QIR. NO. | EQUIPMENT | KW | BREAKER AMP. |
| 1                                                                        | EXISTING  | 20 | 1            | .    | 2    | EXISTING | 20        | 1  | .            |
| 3                                                                        | "         | 20 | 1            | .    | 4    | "        | 20        | 1  | .            |
| 5                                                                        | EXISTING  | 20 | 1            | .    | 6    | "        | 20        | 1  | .            |
| 7                                                                        | "         | 20 | 1            | .    | 8    | EXISTING | 20        | 1  | .            |
| 9                                                                        | "         | 20 | 1            | .    | 10   | "        | 20        | 1  | .            |
| 11                                                                       | "         | 20 | 1            | .    | 12   | "        | 20        | 1  | .            |
| 13                                                                       | EXISTING  | 20 | 1            | .    | 14   | "        | 20        | 1  | .            |
| 15                                                                       | "         | 20 | 1            | .    | 16   | EXISTING | 20        | 1  | .            |
| 17                                                                       | "         | 20 | 1            | .    | 18   | "        | 20        | 1  | .            |
| 19                                                                       | EXISTING  | 20 | 1            | .    | 20   | EXISTING | 20        | 1  | .            |
| 21                                                                       | "         | 20 | 1            | .    | 22   | "        | 20        | 1  | .            |
| 23                                                                       | "         | 20 | 1            | .    | 24   | "        | 20        | 1  | .            |
| 25                                                                       | EXISTING  | 20 | 1            | .    | 26   | "        | 20        | 1  | .            |
| 27                                                                       | "         | 20 | 1            | .    | 28   | "        | 20        | 1  | .            |
| 29                                                                       | "         | 20 | 1            | .    | 30   | "        | 20        | 1  | .            |

### ELECTRICAL LOAD CALCULATIONS:

|                                     |   |           |
|-------------------------------------|---|-----------|
| OUTLETS: 180 x 99                   | = | 17.9 KVA  |
| ICE MACHINE:                        | = | 12.6 KVA  |
| DOCK LEVELER                        | = | 2.8 KVA   |
| CHARGERS: 6.7 x 2                   | = | 13.4 KVA  |
| EXISTING AIR CONDITIONING: 12.6 x 2 | = | 25.2 KVA  |
| NEW AIR COND.                       | = | 5.2 KVA   |
| EXHAUST FANS:                       | = | 1.5 KVA   |
| DOOR OPERATORS                      | = | 1.5 KVA   |
| FREEZER FLOOR HEAT                  | = | 5.5 KVA   |
| SUB TOTAL                           | = | 85.6 KVA  |
| LIGHTING: 20.1 KVA x 1.25           | = | 25.1 KVA  |
| SUB TOTAL                           | = | 25.1 KVA  |
| REFRIGERATION                       |   |           |
| PROCESSING: 18.0 x 1                | = | 18.0 KVA  |
| HOLDING: 25.2 x 1                   | = | 25.2 KVA  |
| CUTTING: 15.9 x 1                   | = | 15.9 KVA  |
| FREEZER : 33.5.0 x 2                | = | 67.0 KVA  |
| SUB TOTAL                           | = | 126.1 KVA |
| 35% OF LARGEST LOAD ( 33.5 )        | = | 11.8 KVA  |
| NEW LOAD TOTAL                      | = | 248.6 KVA |

NEW ELECTRIC LOAD  
248,600 / 208 x 1.732 x 0.9 = 767 AMPS  
\* 208V. 3 P

ELEC. SERVICE PROVIDED = 800 AMPS \* 208V. 3 P

VERIFY AND COORDINATE NEW LOAD WITH EXISTING AND UTILITY COMPANY

PROPOSED INTERIOR TENANT RENOVATIONS TO THE EXISTING BUILDING FOR:  
**TRUE WORLD FOODS PHILADELPHIA, LLC**  
2430 TURPIKE DRIVE  
HATBORO , PENNSYLVANIA

| REVISION                                     | DATE      |
|----------------------------------------------|-----------|
| ISSUED FOR REVIEW                            | 7-21-17   |
| REVD AS PER TENANT COMMENTS (7-26-17 E-MAIL) | 7-31 2017 |
| REVD AS PER TENANT COMMENTS (8-4-17 E-MAIL)  | 8-10 2017 |
| REVD TITLE AS PER TENANT                     | 8-11-17   |

DATE **6- 9- 2017**

BY

CHECKED

COMM. NO. **29- 6/17**

SHEET NUMBER

**11 - 3**

11 OF 11

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ARCHITECT

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(609) 651-1425

ELECTRIC DETAILS AND SCHEDULES

HARRY D. BOPP  
P.A.# RA 00251 B