

2018021467

# SHELL BUILDING

## 3872027 SUNRISE PLAZA DR. CLERMONT, FL

**PLANS FOR INSPECTORS USE ONLY**  
**TO BE ON JOB SITE DURING CONSTRUCTION**

BLDG: 4/27/18  
 ELEC: N/A  
 FIRE: OK 4-18-18  
 MECH: N/A  
 PLUMB: N/A  
 GAS: N/A

LAKE COUNTY BUILDING DIVISION  
 Any errors or omissions in these plans shall be made to conform with the applicable code requirements per FBC section 105.4.1. Plans were reviewed for code compliance as required by FBC 107.3.5.

HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

COVER SHEET / INDEX OF DRAWINGS

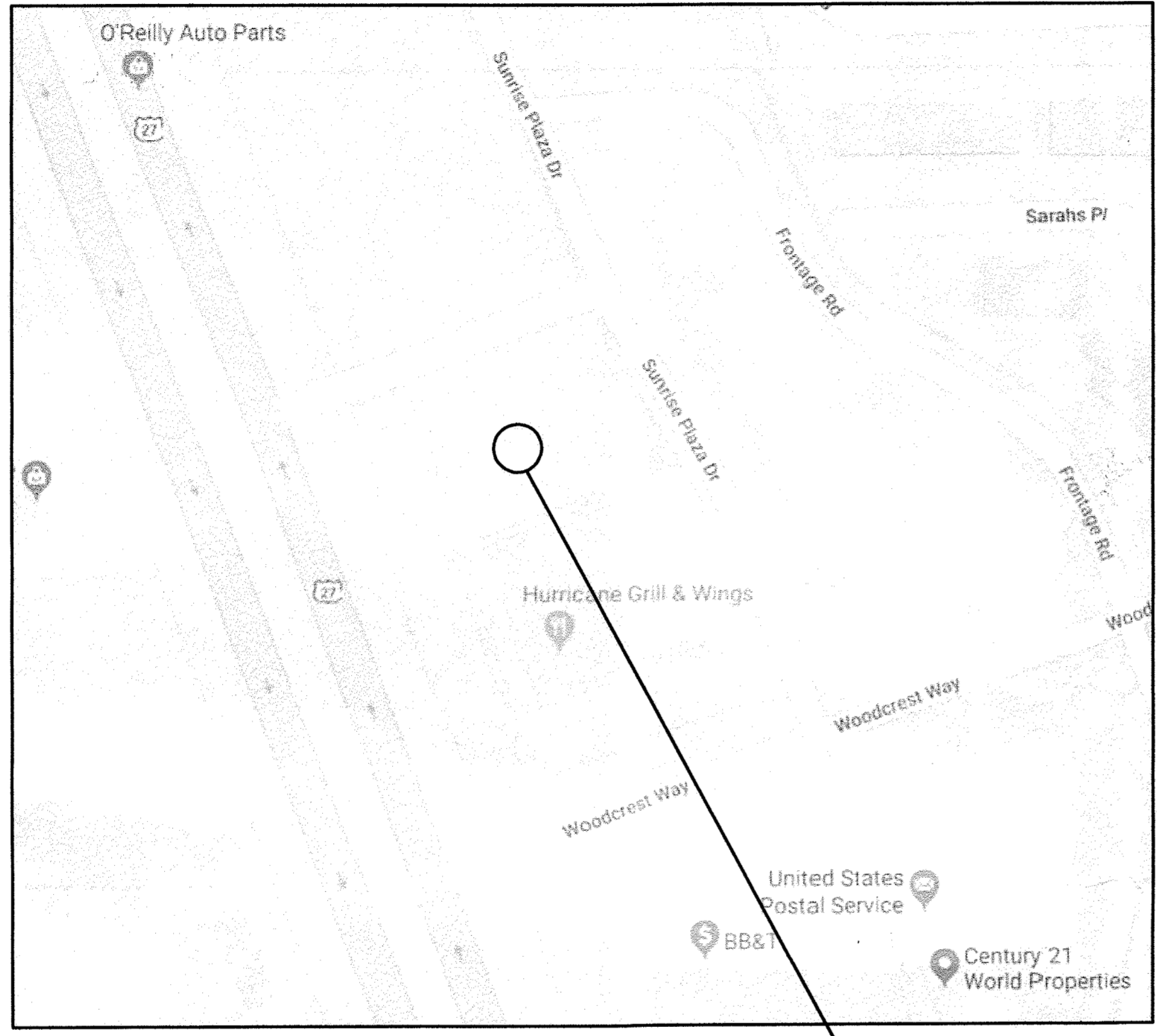


DATE	FEB. 13, 2018
DRAWN BY	ADC
REVISED	
▲	MAR. 26, 2018
▲	MAY. 01, 2018
▲	JUNE 12, 2018
JOB NO.	17-265
DATE	06/12/2018
SHEET NUMBER	G1.0

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### SITE LOCATION MAP



LOCATION MAP  
3872027 SUNRISE PLAZA DR.  
CLERMONT, FLORIDA  
SCALE: NTS

### BUILDING CLASSIFICATION AND DATA

**APPLICABLE CODES:**

FLORIDA BUILDING CODE, BUILDING (FBC-B)	6TH EDITION
FLORIDA ACCESSIBILITY CODE (FAC)	6TH EDITION
FLORIDA BUILDING CODE, MECHANICAL (FBC-M)	6TH EDITION
FLORIDA BUILDING CODE, PLUMBING (FBC-P)	6TH EDITION
FLORIDA BUILDING CODE, EXISTING BUILDING (FBC-EB)	6TH EDITION
FLORIDA FIRE PREVENTION CODE (FFPC)	6TH EDITION
NATIONAL ELECTRICAL CODE (NEC)	2014 EDITION

**OCCUPANCY GROUP CLASSIFICATION:**  
TO BE DETERMINED (REFER TO TENANT BUILD OUT COVER SHEET)

**TYPE OF CONSTRUCTION:**  
NEW CONSTRUCTION TYPE V-B

**AREA CALCULATIONS:**  
AREA OF ALTERATION: 2,613SF +/-

**PRODUCT APPROVAL:**  
THE CONTRACTOR SHALL MAKE AVAILABLE TO THE BUILDING INSPECTOR ANY DOCUMENTATION NECESSARY TO VERIFY THAT ALL PRODUCTS REQUIRING APPROVAL PER FS 553.842 ARE IN COMPLIANCE.

**ACCESSIBILITY:**  
THIS PROJECT HAS BEEN DESIGNED TO COMPLY WITH 2017 FLORIDA ACCESSIBILITY CODE 6TH EDITION IN THE TENANT SUITE.

**WIND LOAD:**  
WIND SPEED 130 ( PER SECTION 1609, FIGURE 1609.3(1), 2017 FLORIDA BUILDING CODE )

**DEGREE OF SHELL COMPLETION**

FOOTINGS NO SLAB  
EXTERIOR WALL FINISH EXTERIOR ONLY  
ROOF STRUCTURE AND ROOF CURBS  
NO ELECTRIC, PLUMBING OR MECHANICAL.

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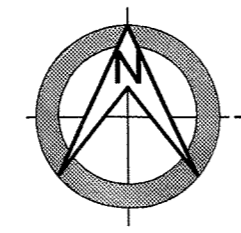
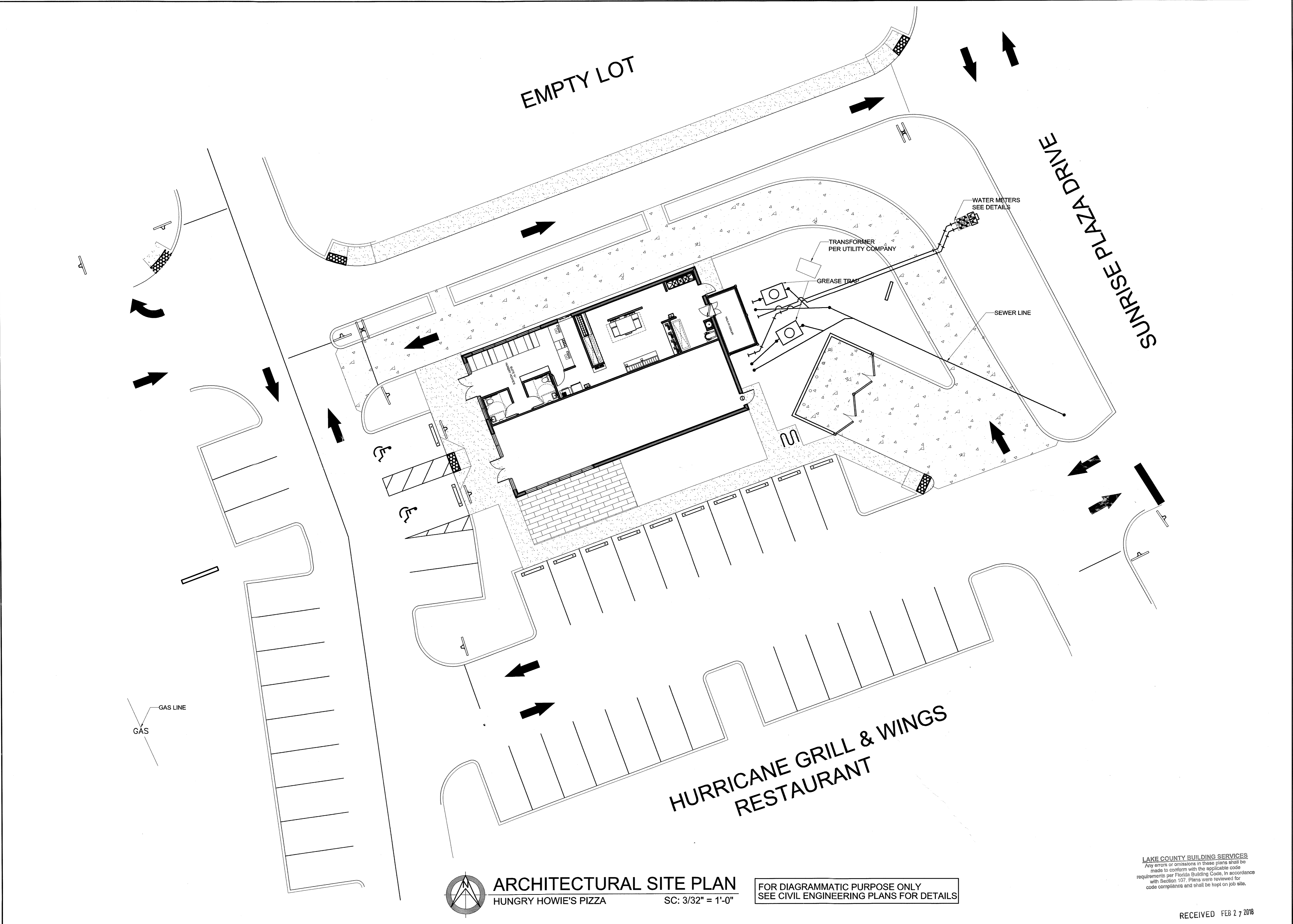
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201805002  
JUN 21 2018

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**ARCHITECTURAL SITE PLAN**  
 HUNGRY HOWIE'S PIZZA SC: 3/32" = 1'-0"

FOR DIAGRAMMATIC PURPOSE ONLY  
 SEE CIVIL ENGINEERING PLANS FOR DETAILS

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HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
 3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA  
 ARCHITECTURAL SITE PLAN

**CONN ARCHITECTS**  
 & ASSOCIATES  
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DATE	FEB. 13, 2018
DRAWN BY	ADC
REVISED	
JOB NO.	17-265

DATE *02/16/2018*  
 SHEET NUMBER  
**A0.1**

**FOUNDATION NOTES**

IN THE EVENT OF A CONFLICT BETWEEN THE PLANS AND GOVERNING BUILDING CODES AND STANDARDS, THE GOVERNING CODES AND STANDARDS SHALL GOVERN, AND THE ENGINEER OF RECORD SHALL BE NOTIFIED OF CONFLICT.

ALL CONSTRUCTION SHALL COMPLY WITH THE 2017 FLORIDA BUILDING CODE.

THE CONTRACTOR SHALL FINISH GRADE AROUND THE FOUNDATION TO PROVIDE POSITIVE WATER DRAINAGE AWAY FROM THE FOUNDATION, AND PREVENT THE DETENTION OF WATER. THE FINISHED GRADE IS TO BE GRADED AWAY FROM A FOUNDATION AT A MINIMUM RATE OF SIX INCHES OF FALL WITHIN THE FIRST TEN FEET. AN EXCEPTION EXISTS THAT IF LOT LINES, SLOPES, WALLS OR OTHER PHYSICAL BARRIERS PROHIBIT THE SIX INCHES OF FALL WITHIN TEN FEET, THEN DRAINS OR SWALES SHALL BE PROVIDED TO ENSURE DRAINAGE AWAY FROM THE STRUCTURE.

**MATERIAL SPECS:**  
 - CONCRETE = 3,000 PSI  
 CONCRETE AIR ENTRAINED, TOTAL AIR CONTENT (PERCENT BY VOLUME OF CONCRETE) SHALL NOT BE LESS THAN 5 PERCENT OR MORE THAN 7 PERCENT. THIS DETERMINATION SHALL BE AT THE DISCRETION OF THE GOVERNING INSPECTOR.

- STEEL = 60 KSI

- FILL MATERIAL COMPACTION = 95% OF MAX. DRY DENSITY AS DETERMINED BY MOD. PROCTOR

NOTE: COMPACTION TEST SHALL NOT BE REQUIRED WHEN FILL IS LESS THAN 12 INCHES IN DEPTH. THIS DETERMINATION SHALL BE AT THE DISCRETION OF THE GOVERNING INSPECTOR.

NOTE: THE GOVERNING INSPECTOR SHALL HAVE THE DISCRETION IN CALLING FOR A COMPACTION TEST WHEN THE FILL MATERIAL IS 12 INCHES TO 18 INCHES IN DEPTH AND THE EXISTING COMPACTION DENSITY OF THE FILL MATERIAL IS IN QUESTION.

NOTE: WHEN THE DEPTH OF THE FILL MATERIAL IS 18 INCHES OR GREATER COMPACTION TEST OF THE FILL MATERIAL IS REQUIRED.

REBAR SPLICES SHALL HAVE A MINIMUM LAP DISTANCE OF 40 DIAMETERS IN CIRCULAR CONSTRUCTION AND A MINIMUM LAP DISTANCE OF 30 DIAMETERS IN MONOLITHIC CONSTRUCTION.

CONCRETE SLABS SHALL HAVE CONCRETE CONTROL JOINT PLACED AT 10 FEET INTERVALS (MAX) IN EACH DIRECTION. THE JOINT GROOVE SHOULD HAVE A MINIMUM DEPTH OF 1/4 THE THICKNESS OF THE SLAB, BUT NOT LESS THAN 1 INCH. THE MAXIMUM JOINT SPACING SHOULD BE 24 TO 36 TIMES THE THICKNESS OF THE SLAB, BUT JOINT SPACING IS LIMITED TO A MAXIMUM OF 15 FEET. CONVENTIONAL SAW-CUT JOINTS SHOULD BE RUN WITHIN 12 HOURS AFTER THE CONCRETE HAS BEEN FINISHED. RAVELING DURING SAW CUTTING IS AFFECTED BY THE STRENGTH OF THE CONCRETE AND AGGREGATE CHARACTERISTICS. IF THE JOINT EDGES RAVEL DURING SAWING, IT MUST BE DELAYED. HOWEVER, IF DELAYED TOO LONG, SAWING CAN BECOME DIFFICULT AND UNCONTROLLED CRACKING MAY OCCUR. CONCRETE CONTROL JOINT IS A PREVENTATIVE MEASURE TO CONTROL CRACKING WITHIN THE SLAB. PLEASE NOTE THAT EVEN WITH THE PLACEMENT OF CONTROL JOINTS SOME AESTHETIC HAIRLINE CRACKS MAY STILL FORM WITHIN THE SLAB.

SOILS ARE TO BE TREATED CHEMICALLY FOR TERMITES.

CONTRACTOR TO VERIFY ALL DIMENSIONS & SPECIFICATIONS FOR FOUNDATION PLAN PRIOR TO CONSTRUCTION. THE LOCATION AND QUANTITY OF FLOOR OUTLETS, CONDUITS, AND OTHER FOUNDATION PENETRATIONS SHALL BE VERIFIED AND THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO POURING THE SLAB.

FOOTINGS SHALL HAVE A MINIMUM OF 30 INCHES OF CLEAN COMPACTED NATURAL OCCURRING SOIL THAT IS FREE OF MULCH, ORGANIC MATERIALS, EXPANSIVE SOIL, AND CONSISTS OF AT LEAST FIFTY PERCENT SAND. ANY ORGANIC MATERIAL LOCATED UNDER THE FOUNDATION SHALL BE REMOVED PRIOR TO CONSTRUCTION AND REPLACED WITH CLEAN COMPACTED SAND IN COMPLIANCE WITH NOTE 4 UNLESS OTHERWISE SPECIFIED. WHERE THE MINIMUM OF 30 INCHES OF CLEAN COMPACTED NATURAL OCCURRING SOIL CANNOT BE ACHIEVED THE SOIL SHALL BE REMOVED AND A MINIMUM OF 18 INCHES CLEAN COMPACTED SAND SHALL BE PLACED UNDER BOTH THE INTERNAL AND EXTERIOR FOOTINGS. IN EITHER CASE THE MATERIAL UNDER THE FOOTING SHALL HAVE A MINIMUM BEARING CAPACITY OF 2,000 PSF.

INTERIOR LOAD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AND THE TRUSS MANUFACTURER. ADDITIONAL INTERIOR GRADE BEAMS SHALL BE REQUIRED UNDER ANY LOAD BEARING WALLS OR COLUMNS

MINIMUM DEPTH OF THE FOOTING BELOW UNDISTURBED GROUND SURFACE SHALL BE 12 INCHES.

PROPER 3" MINIMUM COVER FOR REINFORCING STEEL SHALL BE MAINTAINED FROM ALL CONCRETE SURFACES.

IF THE WIND LOAD ANALYSIS REQUIREMENTS FOR ANCHOR BOLTS EXCEED THE ANCHOR BOLTS SPECIFIED WITHIN THIS FOUNDATION DESIGN THE WIND LOAD ANALYSIS REQUIREMENTS SHALL GOVERN.

THE PRESUMPTIVE LOAD-BEARING VALUE OF THE EXISTING (SOIL) FOUNDATION MATERIALS WITH THE CLASSIFICATION OF SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL AND CLAYEY GRAVEL (SW, SP, SM, SC, GM AND GC) SHALL BE EQUIVALENT TO 2,000 PSF WHERE PRELIMINARY SITE INVESTIGATIONS INDICATED THE PRESUMPTIVE LOAD BEARING VALUES OF THE FOUNDATION MATERIALS ARE LESS THAN OR EQUAL TO 1,500 PSF (CLAY, SANDY CLAY, SILTY CLAY, CLAYEY SILT, SILT AND SANDY SILT (CL, ML, MH AND CH). IF THE CONTRACTOR / BUILDING INSPECTOR HAVE DETERMINED THAT IN-PLACE SOILS WITH AN ALLOWABLE BEARING CAPACITY OF LESS THAN 1,500 PSF ARE LIKELY TO BE PRESENT AT THE SITE, THE ALLOWABLE BEARING CAPACITY SHALL BE DETERMINED BY A SOILS INVESTIGATION. THE DESIGN OF THIS FOUNDATION IS BASED ON A MINIMUM BEARING CAPACITY OF 2,000 PSF.

TOP OF FOOTING REPRESENTS TOP OF FOOTING REFERENCED FROM FINISH FLOOR (0'-0" REF.) VERIFY WITH FINISHED GRADES SHOWN ON CIVIL DRAWINGS.

PARTIAL GEO-TECHNICAL INVESTIGATION - SEE FULL REPORT BY UNIVERSAL ENGINEERING SCIENCE DATED 07-11-2007

UNIVERSAL ENGINEERING SCIENCE  
 PROJECT NO.: 01-0020803-001-01  
 REPORT NO.: 586211  
 REPORT DATE: JULY 11, 2007

**BEARING PRESSURE**

THE MAXIMUM ALLOWABLE BEARING PRESSURE FOR SHALLOW FOUNDATIONS UNDER THE ASSUMED MAXIMUM LOADS SHOULD NOT EXCEED 3,000 POUNDS PER SQUARE FOOT (PSF), PER SECTION 1805.4.1 OF THE FLORIDA BUILDING CODE (FLBC). THE FOUNDATIONS SHOULD BE DESIGNED FOR MOST UNFAVORABLE EFFECTS DUE TO THE COMBINATIONS OF LOADS SPECIFIED IN SECTION 1605.3 OF THE FLBC.

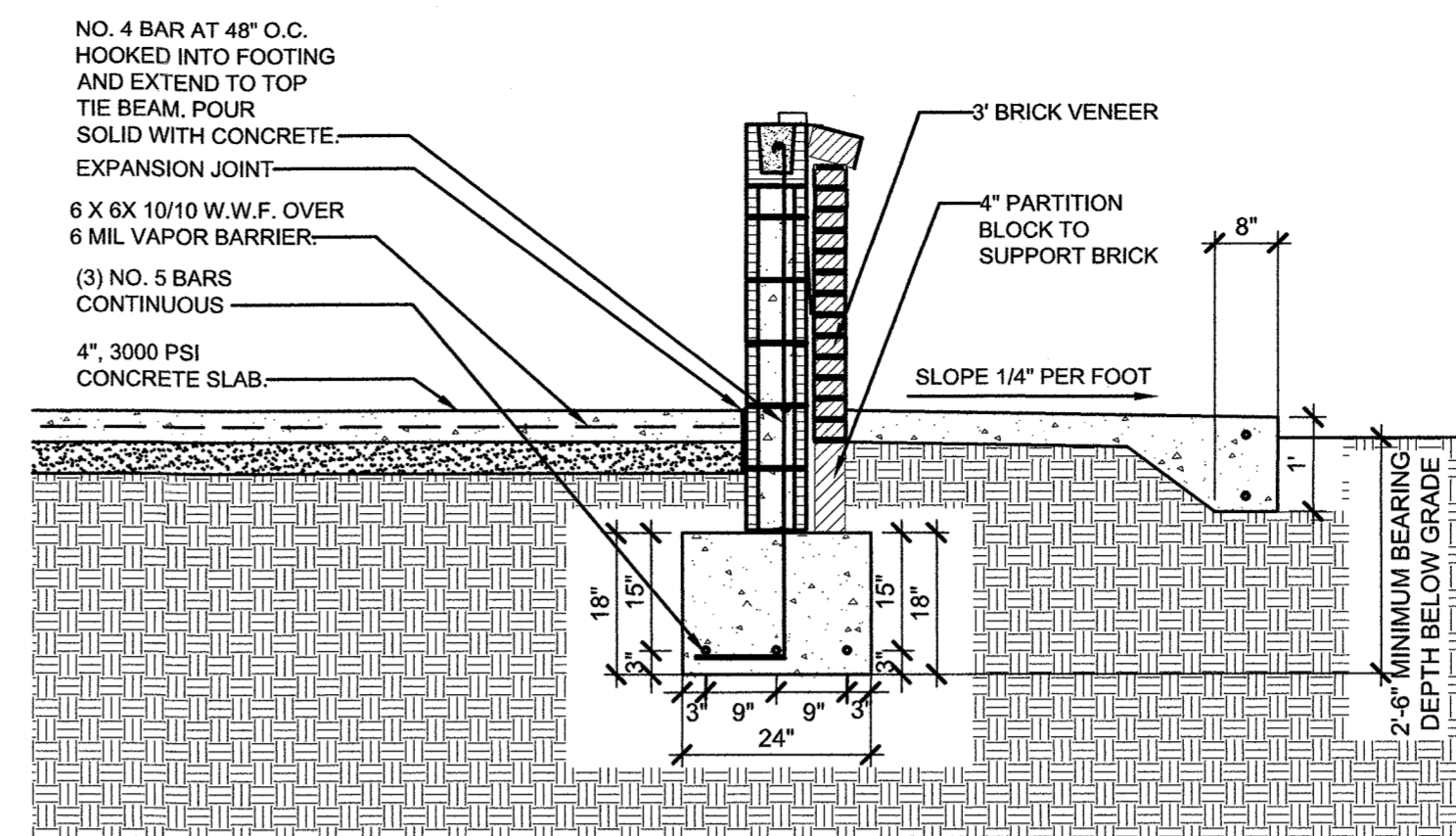
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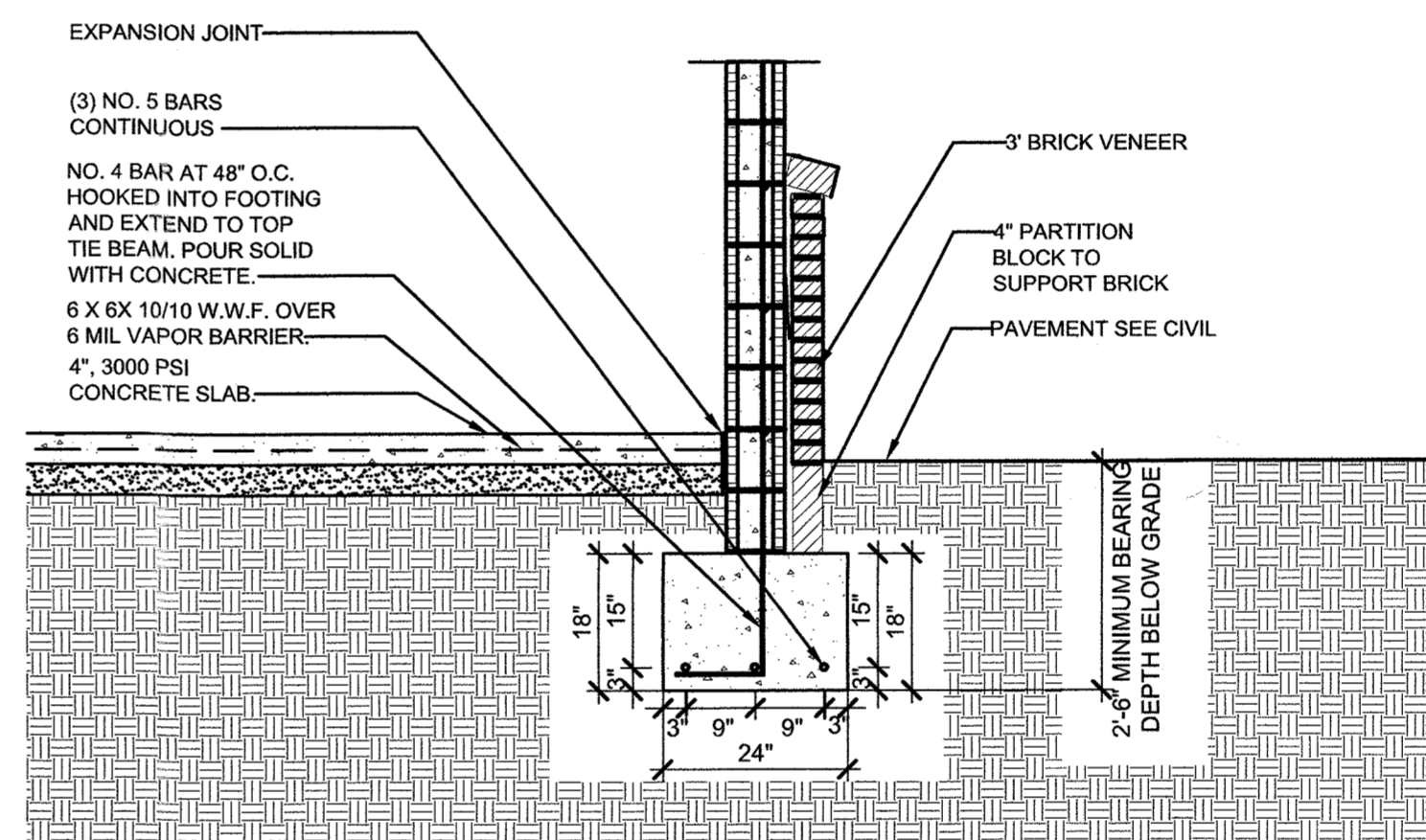
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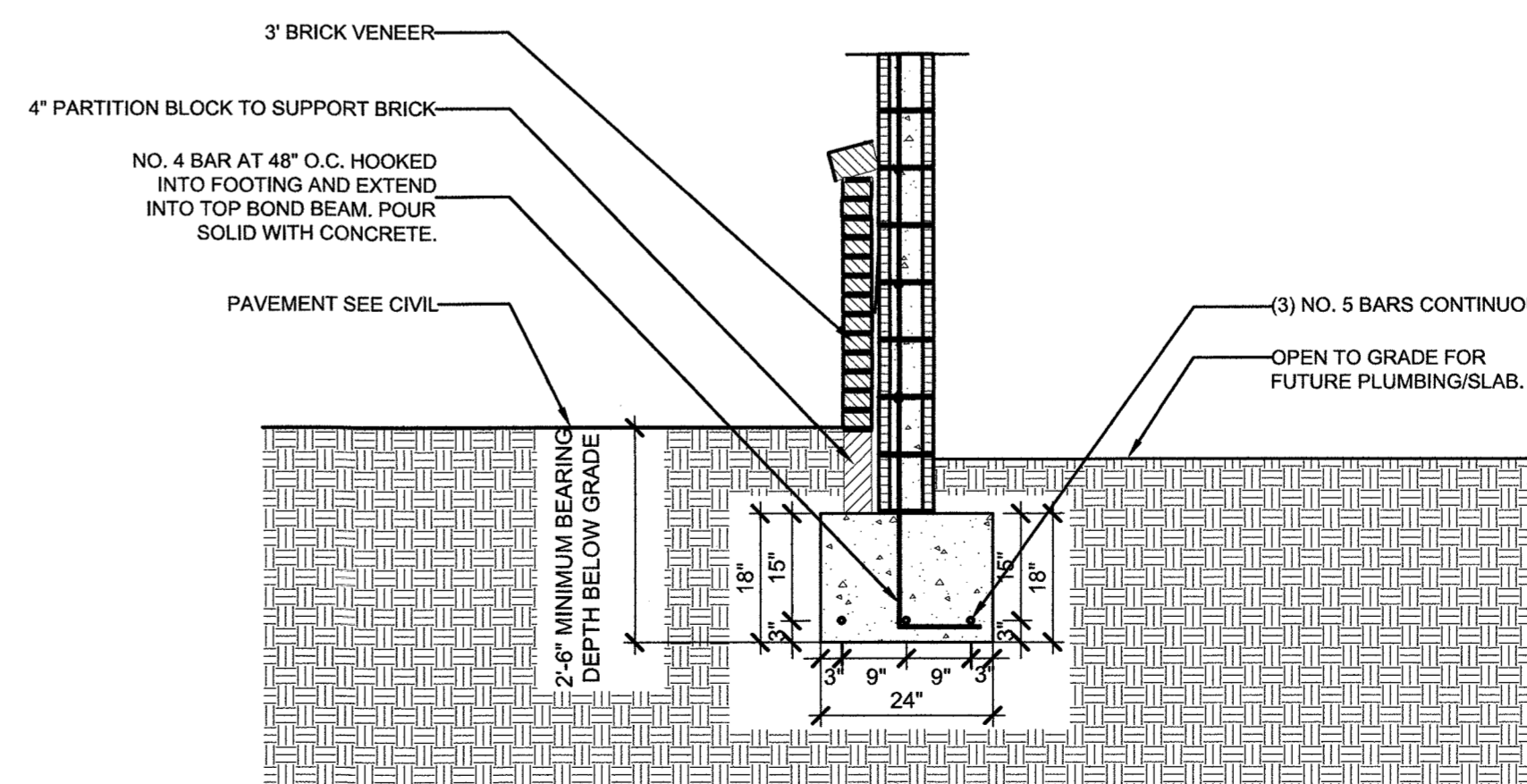
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1  
 A0.2 FOUNDATIONS DETAILS HUNGRY HOWIES PIZZA SC: 1/2" = 1'-0"



2  
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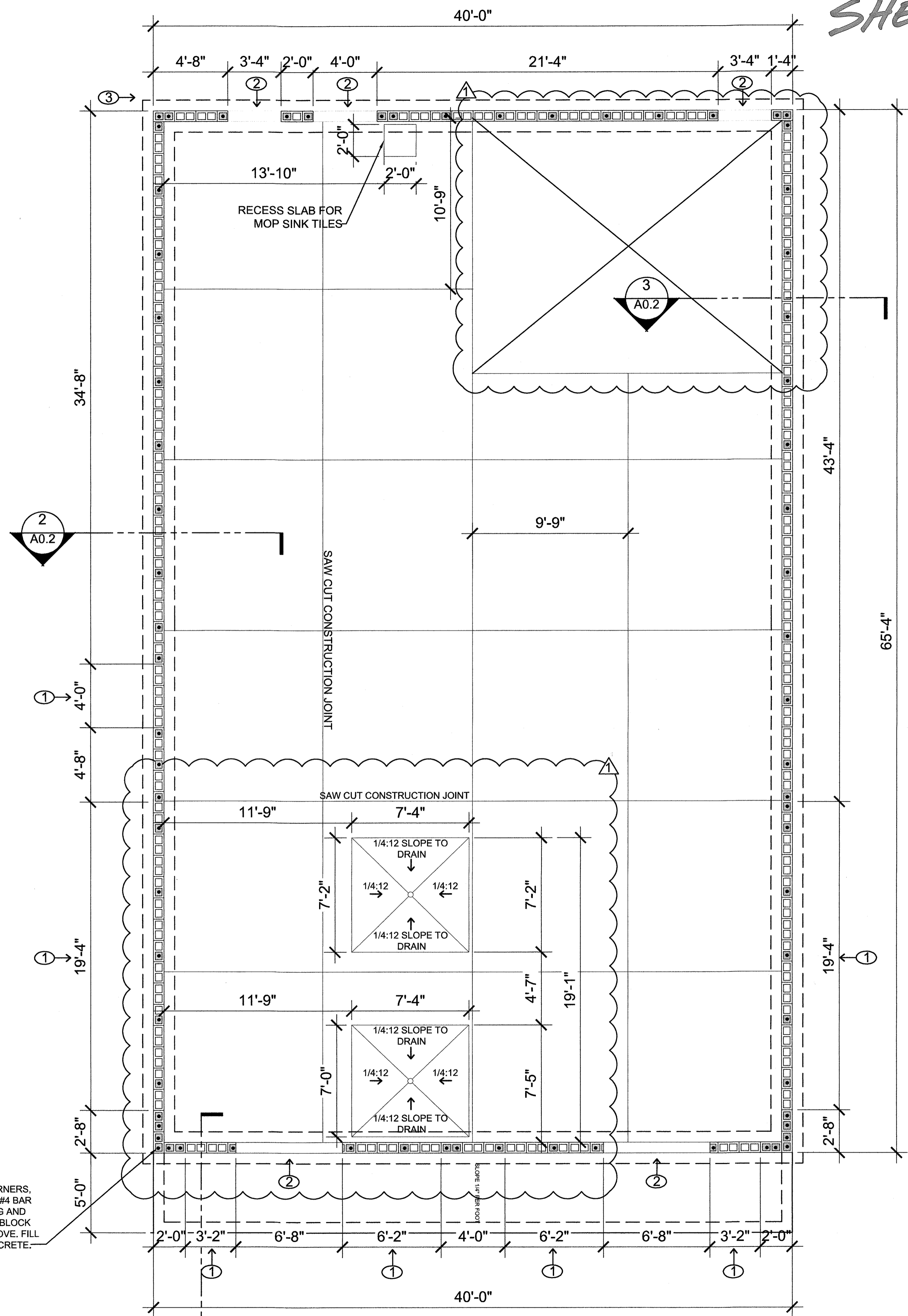
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**FOUNDATION LEGEND**

- ① WINDOW OPENING ABOVE
- ② DOOR OPENING
- ③ 2'-0" FOOTING BELOW GRADE

AT ALL OPENINGS, CORNERS, AND @ 48" O.C. PLACE #4 BAR HOOKED INTO FOOTING AND EXTEND UP THROUGH BLOCK WALL TO THE BEAM ABOVE. FILL CELL SOLID WITH CONCRETE.



**FOUNDATION PLAN**

HUNGRY HOWIES PIZZA

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

RECEIVED APR 17 2018

HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
 3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

FOUNDATION PLAN

**CONN ARCHITECTS & ASSOCIATES**  
 1910 C. Hubbell Blvd. • Tallahassee, Florida 32308 • Phone/Fax: 904/988-8904  
 www.connandassociates.com • License No. AA-C001652

DATE: FEB. 13, 2018

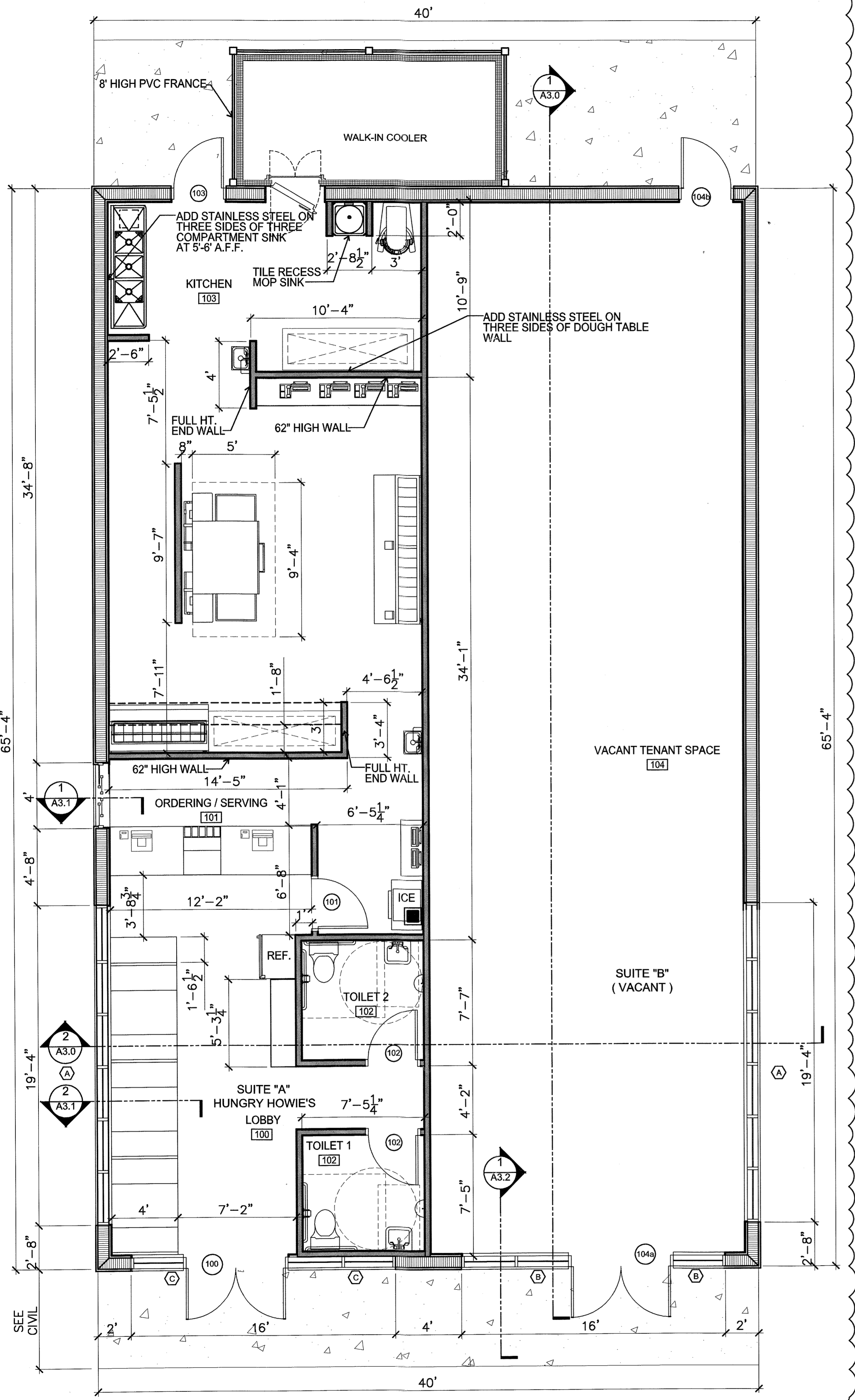
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 SHEET NUMBER: A0.3

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**PROPOSED FLOOR PLAN**

HUNGRY HOWIES PIZZA

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

**EQUIPMENT LIST**

1. 4 SEAT BOOTH
2. TILE COUNTER TOPS WITH PLASTIC LAMINATE FINISH AT 36" H X 31" W, WITH DUNNAGE BELOW.
3. CASH REGISTER WITH COMPUTER CONDUIT AND 140V PLECS
- 3A. CONDUIT FOR CREDIT MACHINE CONNECTION.
4. MENU BOARD WITH ELECTRICAL CONNECTION (JUNCTION BOX) ABOVE THE CEILING.
5. SWITCHES FOR: OVER FAN, CEILING FANS, CEILING LIGHTS, AND NEON LIGHTS.
6. LITHONIA EXIT SIGN / EMERGENCY LIGHT COMBO.
7. EMERGENCY LIGHT, BATTERY PACK UNIT (STANDARD) WITH TWO LAMP, WALL MOUNTED.
8. FIRE EXTINGUISHER, 10 LB. A-B-C, WALL HUNG TYPE (STANDARD).
9. STAINLESS STEEL TABLE, 30" X 96".
10. STAINLESS STEEL TABLE, 30" X 96".
11. LAVATORY- HANDICAPPED ACCESSIBLE, WITH INSULATED PIPES, MIRROR AND SOAP DISPENSER, 15" O.C. FROM FACE OF WALL
12. WATER CLOSET, HANDICAPPED ACCESSIBLE, WITH SEAT AT 19" A.F.F. AND 42" LONG BESIDE THE W.C. PROVIDE DEADWOOD AS REQUIRED.
13. STAINLESS STEEL GRAB BARS AT 33" A.F.F., 36" LONG BEHIND THE W.C.
14. TOILET PAPER HOLDER AT 19" A.F.F.
15. 58" HIGH PARTITION WITH SHELF ABOVE, PLASTIC LAMINATE FINISH ON PARTITION AND SHELF. (YELLOW FRONT, BROWN TOP)
16. 36" SHELF 88" A.F.F. (FRAMED COVERED W/ PLYWOOD AND TILE)
17. HAND SINK, MOUNTED AT HCCP HEIGHT WITH INSULATED PIPES, SOAP AND PAPER TOWEL DISPENSERS.
18. DOUGH MIXER UNIT, 220V.
19. STAINLESS STEEL THREE COMPARTMENT SINK, 30" W. X 96" L. (STD. HT. WITH DUNNAGE BELOW).
20. 6" RECESSED TILE MOP SINK
22. PHONE CENTER AT 42" H. X 32" W. X 118" L. WITH PLASTIC LAMINATE FINISH (BROWN).
23. COMPUTERS
24. QUADRAPLEX ELECTRICAL OUTLET AT 26" A.F.F..
25. TELEPHONE JACK AT 82" A.F.F..
26. COMPUTER CONDUIT AT 26" A.F.F..
27. MONITOR CONDUIT AT 62" A.F.F..
28. A.O. SMITH 199,000BTU NATURAL GAS HWH WITH VENT THRU WALL ABOVE COOLER.
29. TWO PIZZA OVENS, WITH 135,000 BTU EACH, 220V ELECTRICAL OR GAS HOOK-UP. (15" A.F.F. X 10" FROM EDGE) WITH ELEC. AT 24" FROM EDGE OF WALL AND AT 16" A.F.F. X 22" FROM EDGE OF WALL AND SHUNT VALVE AT 48" A.F.F. X 24" FROM EDGE OF WALL.
30. EXHAUST HOOD, NO GREASE, PER OWNER DIRECTIONS
31. NATURAL GAS WITH METER.
32. GREASE RECEPTOR LOCATED OUTSIDE, 1250 LB. (VERIFY CAPACITY WITH THE LOCAL HEALTH DEPARTMENT.)
33. SODA DISPENSER
34. ICE MACHINE
35. J-BOX FOR SIGN AT CEILING
36. PIZZA MAKE UNIT
37. SALAD / SUB PREP TABLE
39. 20" SHELF 58" A.F.F. (FRAME COVER W/ PLYWOOD AND TILE)
40. 2 LITER REFRIGERATOR
41. FLOOR SINK
42. HAND DRYER
43. BAR AND STOOL TO BE SELECTED BY OWNER
44. 6" HIGH PVC FENCE

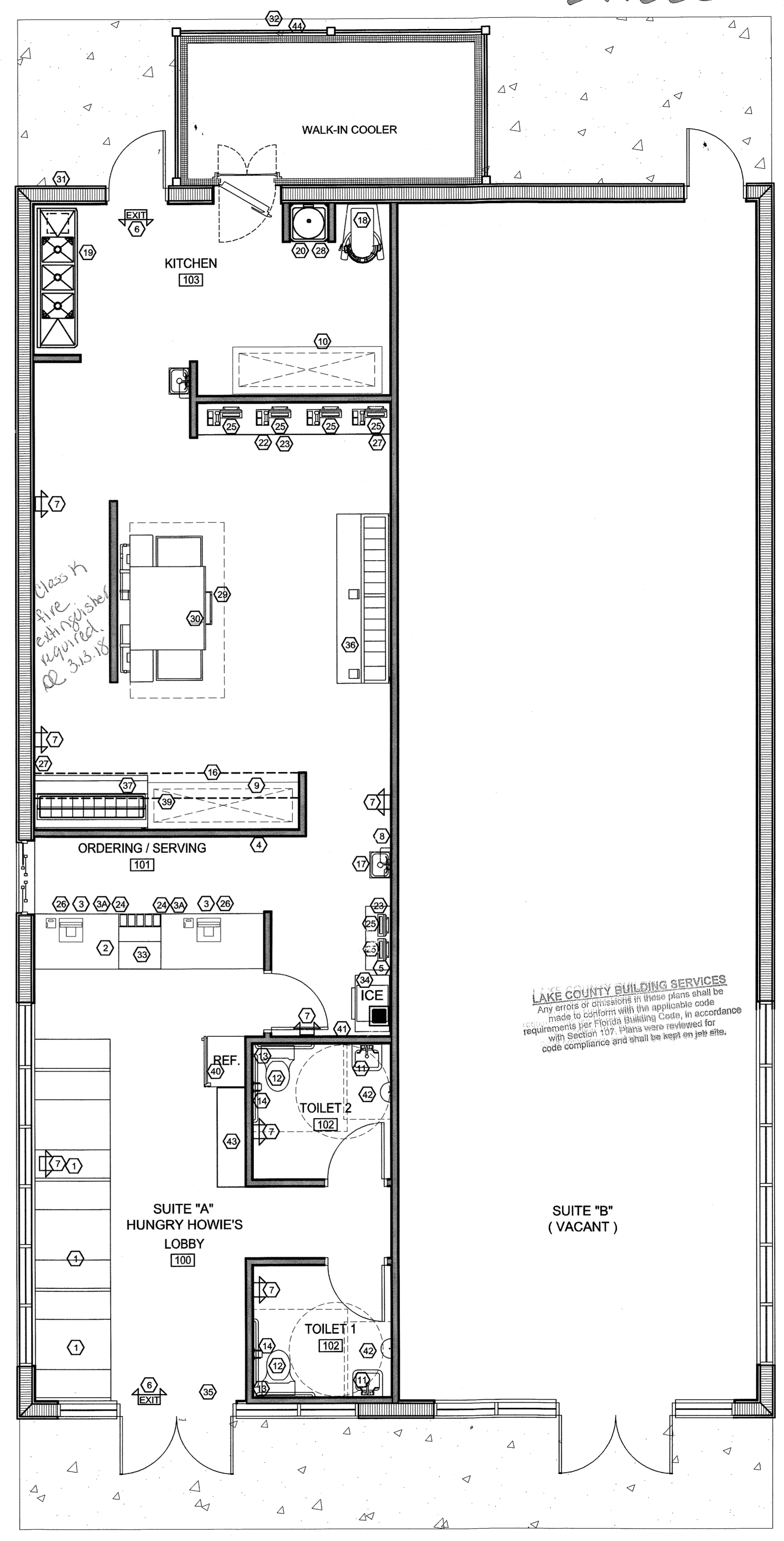
SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

**GENERAL NOTES**

1. ALL EXTERIOR DIMENSIONS ARE TO FACE OF BLOCK UNLESS OTHERWISE INDICATED.
2. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE INDICATED.
3. ALL STUD WALLS SURROUNDING KITCHEN AND RESTROOMS SHALL HAVE SOUND BATT INSULATION.
4. ALL CONSTRUCTION SHALL BE AS PER CODES STATED ON THE COVER SHEET.
5. THE ELEVATION OF FLOOR SURFACES ON BOTH SIDES OF ALL DOORS SHALL NOT VARY MORE THAN 1/2". THE ELEVATION SHALL BE MAINTAINED ON BOTH SIDES OF A DOORWAY FOR A DISTANCE AT LEAST EQUAL TO THE WIDEST LEAF. (TYPICAL)
6. FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, SMOKE PARTITIONS OR ANY OTHER NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES WITH THE WORDING "FIRE AND SMOKE BARRIER PROTECT ALL OPENINGS," OR SIMILAR LANGUAGE. SUCH SIGNS OR STENCILING SHALL BE IN 4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THAN 15 FEET ON-CENTER. NFPA 1, 8.3.2.4, FLORIDA 2010 EDITION.
7. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
8. ALTERATION WORK ZONE LIMITS ARE ESTABLISHED ON THE DRAWINGS. ALL ALTERATION WORK CONTRACTORS AND TRADES SHALL COORDINATE THEIR WORK WITH ONE ANOTHER WITHIN THE ESTABLISHED LIMITS.
9. IN THE EVENT THAT ANY SPECIAL SEQUENCING OF THE WORK IS REQUIRED BY OWNER, THE CONTRACTOR SHALL ARRANGE A CONFERENCE WITH THE OWNER FOR THE PURPOSE OF ESTABLISHING ANY SPECIAL SCHEDULING BEFORE ANY SUCH WORK IS BEGUN.
10. INDEFINITE UNDERGROUND UTILITIES OR OTHER SERVICES AS MAY BE UNCOVERED SHALL NOT BE DISTURBED BUT BROUGHT TO THE ARCHITECT'S ATTENTION FOR DIRECTION AS TO HOW TO PROCEED.
11. EXISTING CONDITIONS AS SHOWN ARE BASED ON FIELD MEASUREMENTS AND MAY VARY FROM ACTUAL FIELD CONDITIONS. ACTUAL FIELD CONDITIONS SHALL GOVERN.
12. PRIOR TO BIDDING, ALL SUB-CONTRACTORS ARE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS TO DETERMINE THE SCOPE OF WORK NECESSARY TO ACHIEVE THE PROPOSED CONDITIONS AS SHOWN ON THE PLANS.
13. CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

**WALL TYPE / SYMBOLS LEGEND**

- EXTERIOR 8" CMU WALL, FOAM INSULATION, 1 1/2" METAL STUDS WITH 5/8" DRYWALL
- NEW INTERIOR WALLS (NON-RATED); 2X4, @ 16" O.C., 5/8" GWB
- SEE DOOR SCHEDULE AND ELEVATIONS SHEET FOR ALL DOOR RELATED INFORMATION.
- SEE WINDOW INFORMATION AND ELEVATIONS FOR ALL WINDOW RELATED INFORMATION.
- SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR FINISHES AND FINISH REQUIREMENT.
- SEE WALL SECTIONS AND BUILDING SECTIONS AS PER TAG IDENTIFIED LOCATIONS FOR BUILDING MATERIAL INFORMATION.



**EQUIPMENT FLOOR PLAN**

HUNGRY HOWIES PIZZA

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

HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

FLOOR AND EQUIPMENT PLAN

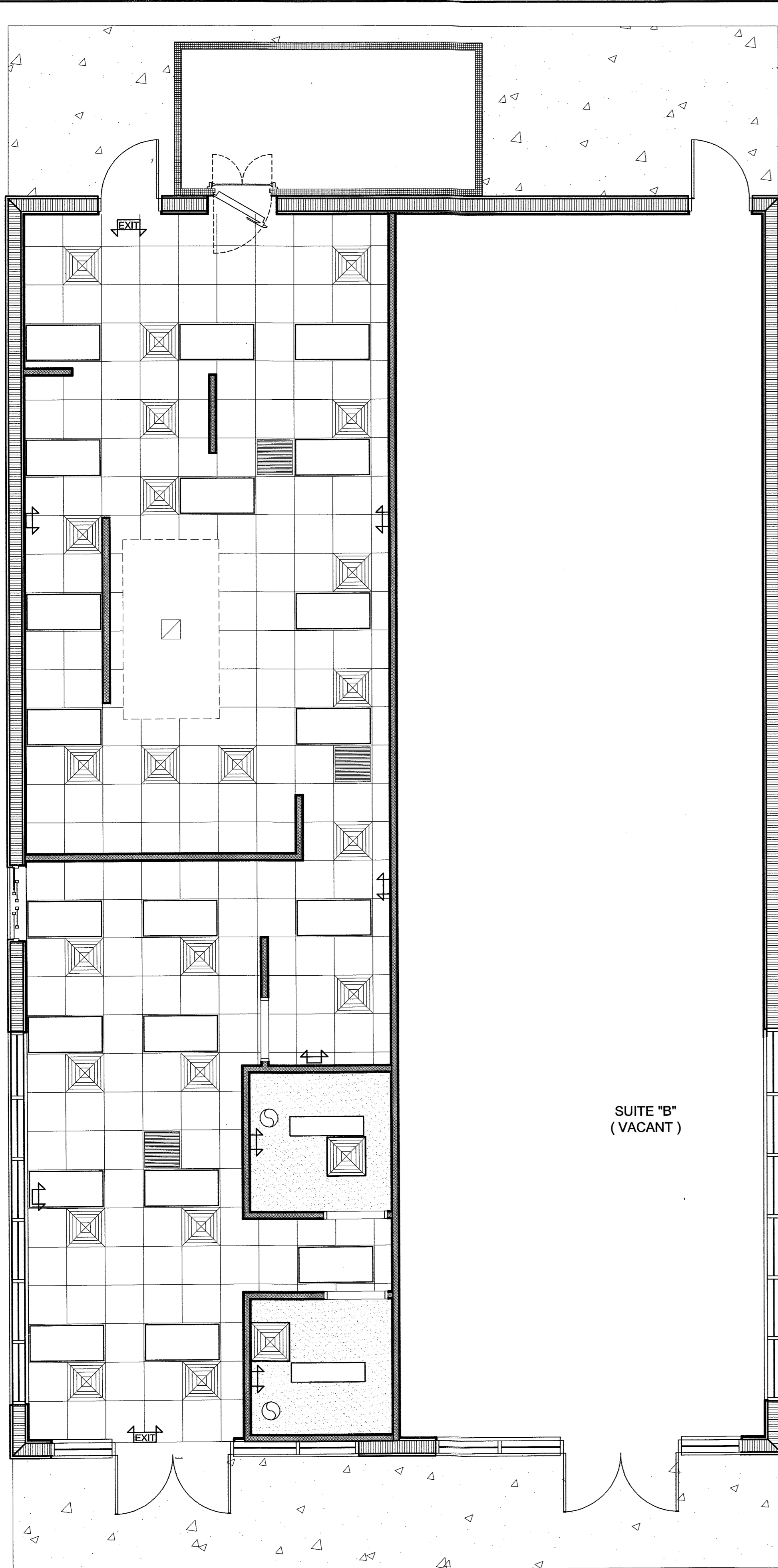
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REVISED	▲ MAR. 26, 2018
JOB NO.	17-265

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SHELL



**REFLECTING CEILING PLAN**

HUNGRY HOWIES PIZZA

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

**GENERAL ROOF NOTES**

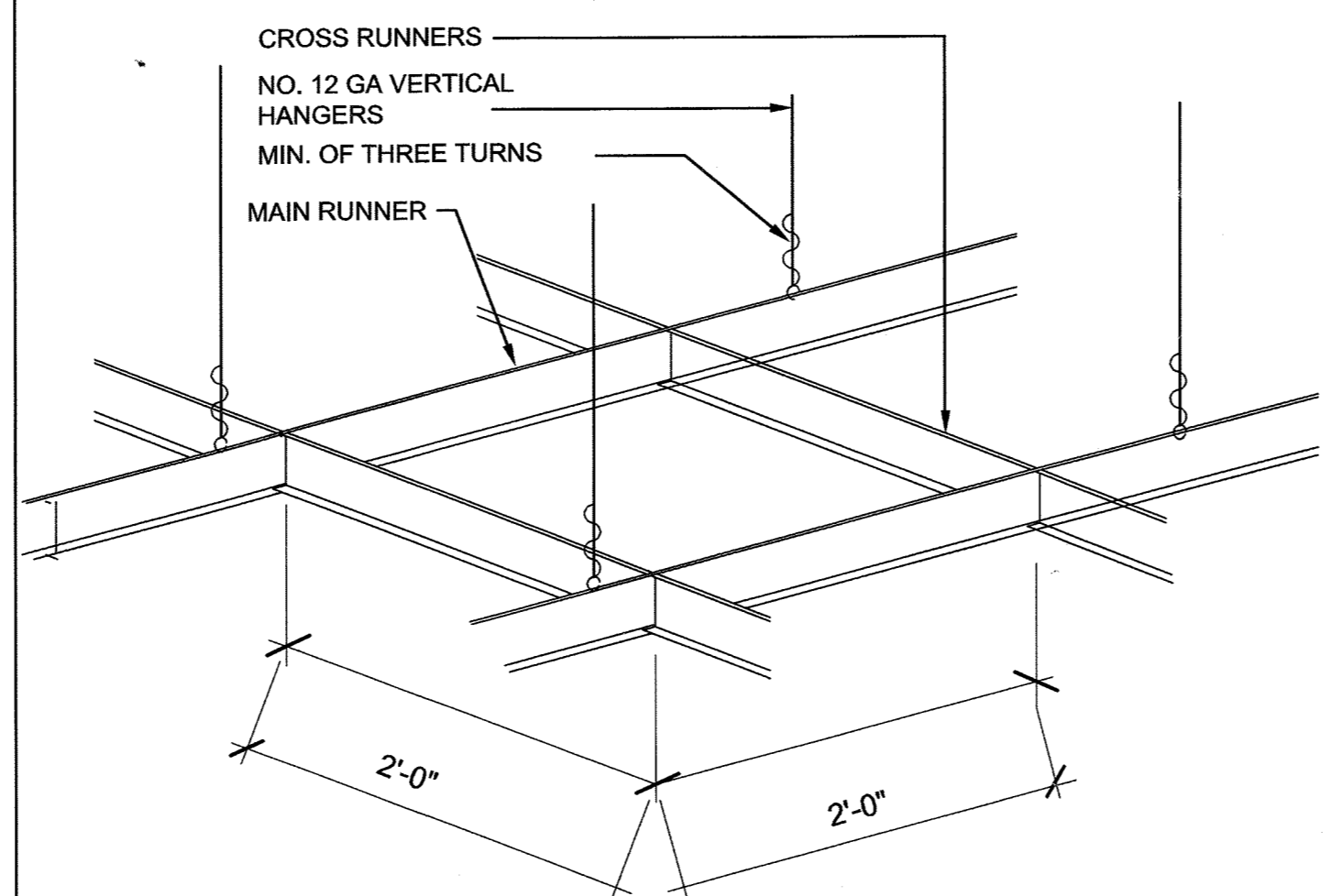
- DIMENSIONS NOTED ON ROOF PLANS ARE MEASURED HORIZONTALLY. NOT ALONG SLOPE OF ROOF. COORDINATE WITH FLOOR PLAN.
- COORDINATE EXHAUST FAN AND VTR QUANTITY AND LOCATIONS WITH MECH/ PLUMBING DRAWINGS. ROOF PENETRATIONS SHALL BE TIED TOGETHER AS ALLOWABLE BY CODE. REDUCE NUMBER OF PENETRATIONS.
- VTR AND EXHAUST PENETRATIONS SHALL BE MINIMUM OF 4'-0" FROM EDGE OF ROOF (TYP.) CENTER ALL PENETRATIONS BETWEEN ROOF PANEL CRIMPS.
- PROVIDE AND MAINTAIN A WARRANTY AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP INCLUDING WEATHER-TIGHTNESS. THE WEATHER-TIGHTNESS WARRANTY SHALL INCLUDE ROOF, RIDGE FLASHING ETC. MEETING THE WIND DESIGN SPEED FOR THE PROJECT LOCATION.
- SIZE AND INSTALL GUTTERS AND DOWNSPOUTS PER SMACNA GUIDELINES. LOCATE DOWNSPOUTS AS INDICATED IN DRAWINGS AND NOTIFY ARCHITECT IF ANY CONFLICTS OCCUR.

**ROOF LEGEND**

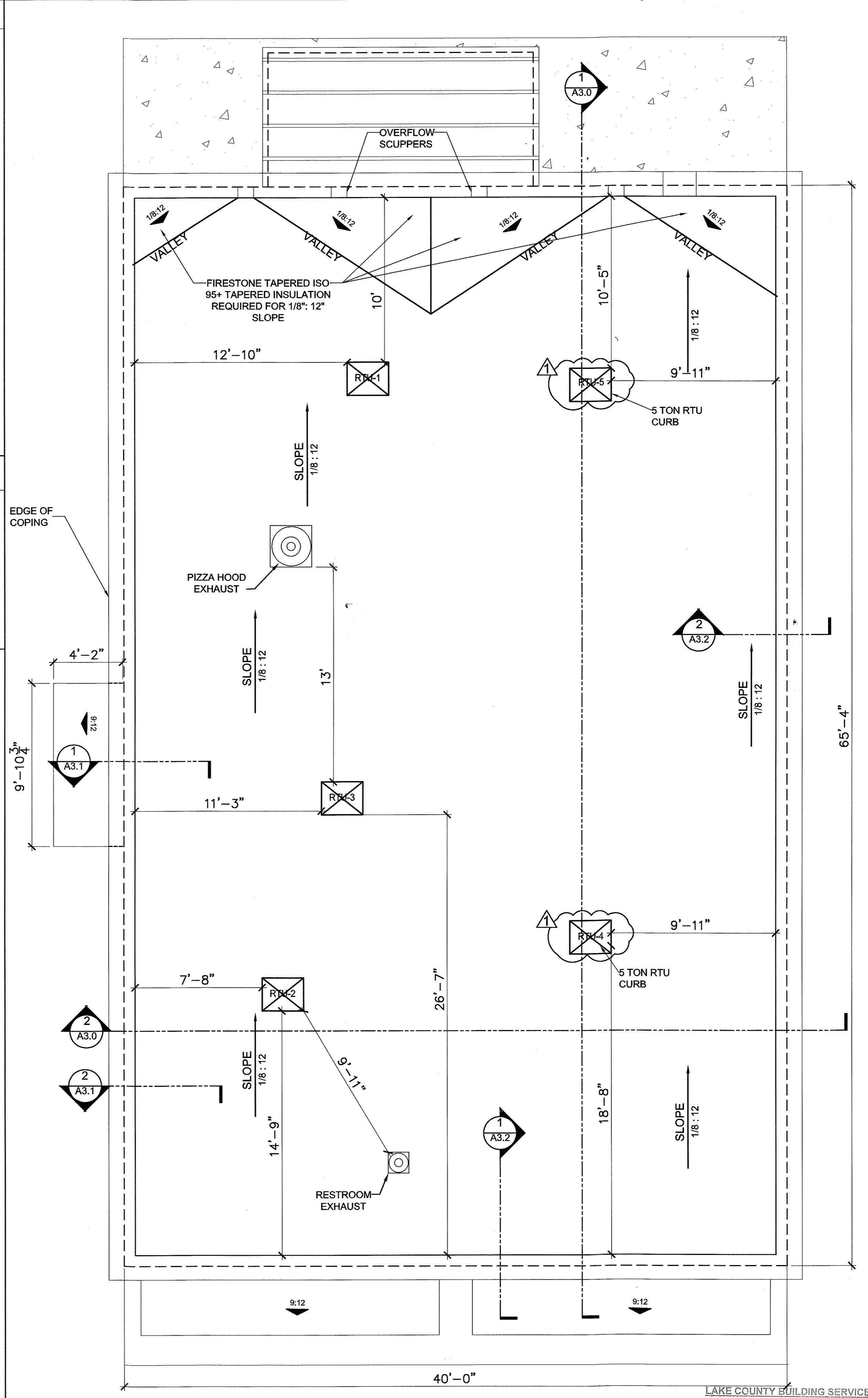
- EXTERIOR 8" CMU WALL, FOAM INSULATION, 1 1/2" METAL STUDS WITH 5/8" DRYWALL.
- SINGLE PLY, 60 MIL. FULLY ADHERED T.P.O. ROOFING ON RIGID INSULATION BOARD. INSTALL ROOFING AND ALL SYSTEM COMPONENTS PER MFR'S WRITTEN INSTRUCTIONS. BASIS OF DESIGN: CARLISLE SYNTEC INCORPORATED; SURE-WELD OR EQUIV.

**CEILING LEGEND**

- 2X4 LED LAY IN LIGHT FIXTURE
- 2X2 RETURN AIR DUCT
- RECESSED DOWN LIGHT
- 1X4 LED RECESSED
- 2X2 AIR VENT
- EXHAUST FAN AND CIRCUIT
- LITHONIA EXIT LIGHT / EMERGENCY LIGHT COMBO
- EMERGENCY LIGHT



1 CEILING GRID DETAIL  
A1.1 HUNGRY HOWIE'S PIZZA SC: N.T.S.



**ROOF PLAN**

HUNGRY HOWIES PIZZA

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

HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

REFLECTED CEILING AND ROOF PLAN

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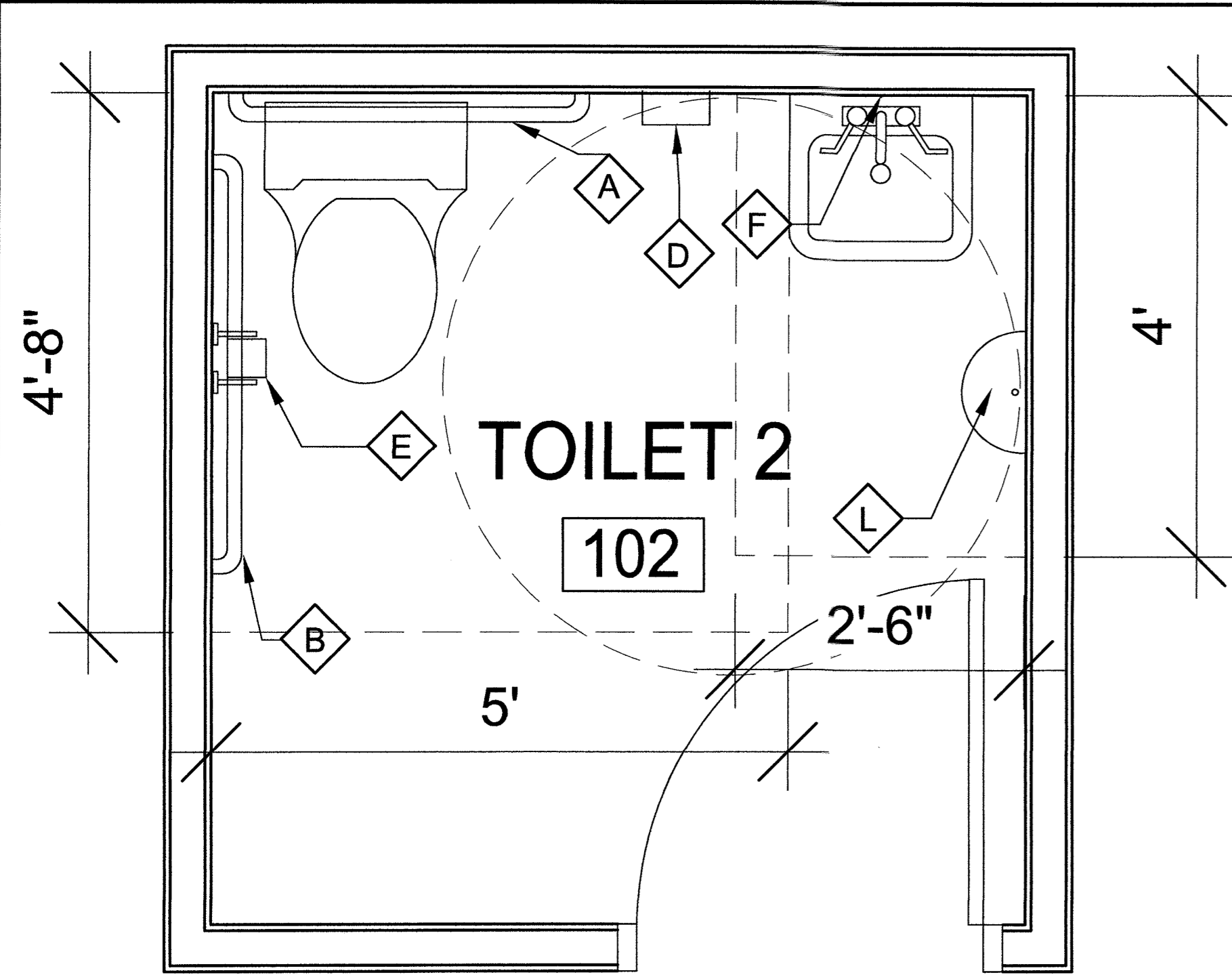
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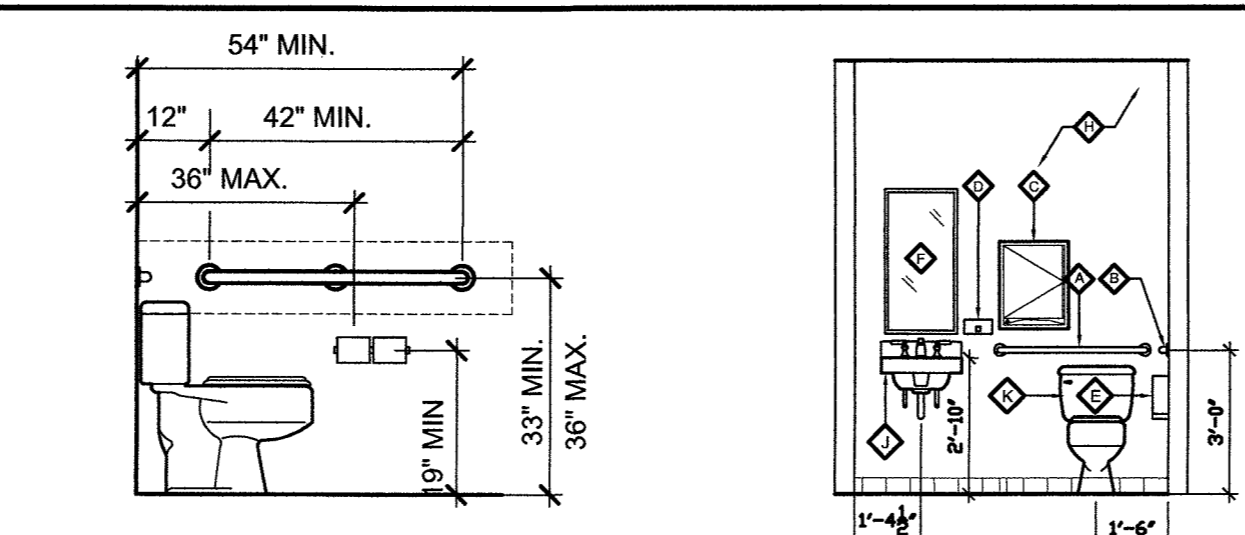
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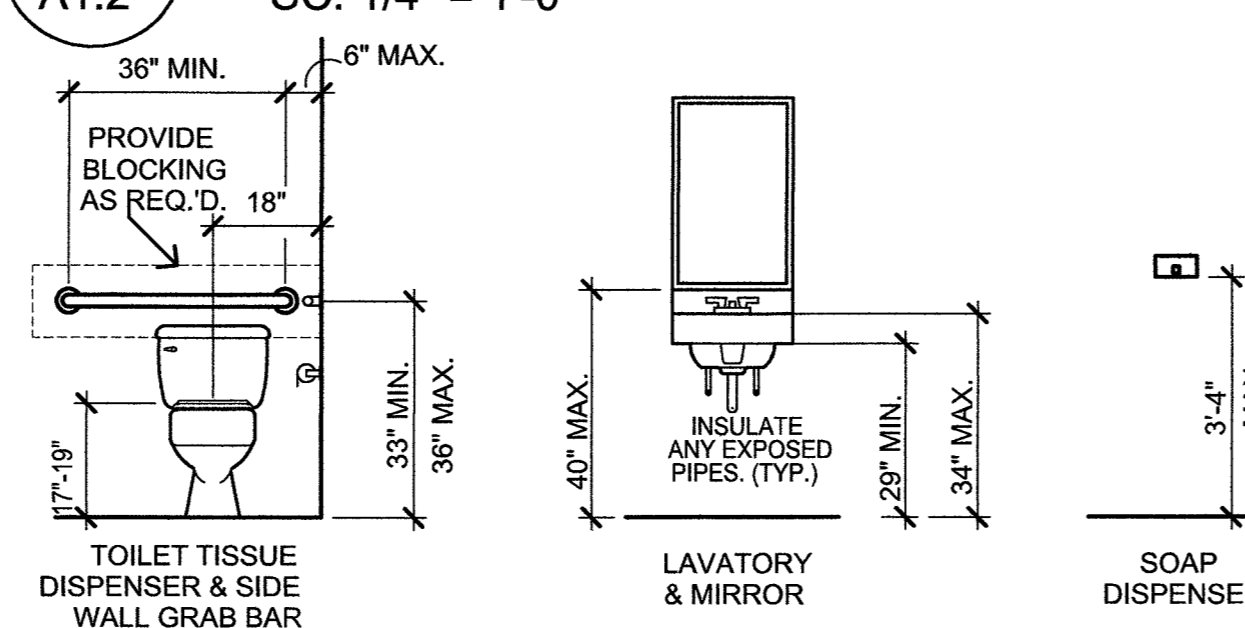
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**2 ENLARGED TOILET PLAN**  
A1.2 HUNGRY HOWIES PIZZA N.T.S.



**1 TYPICAL ELEVATIONS**  
A1.2 SC: 1/4" = 1'-0"



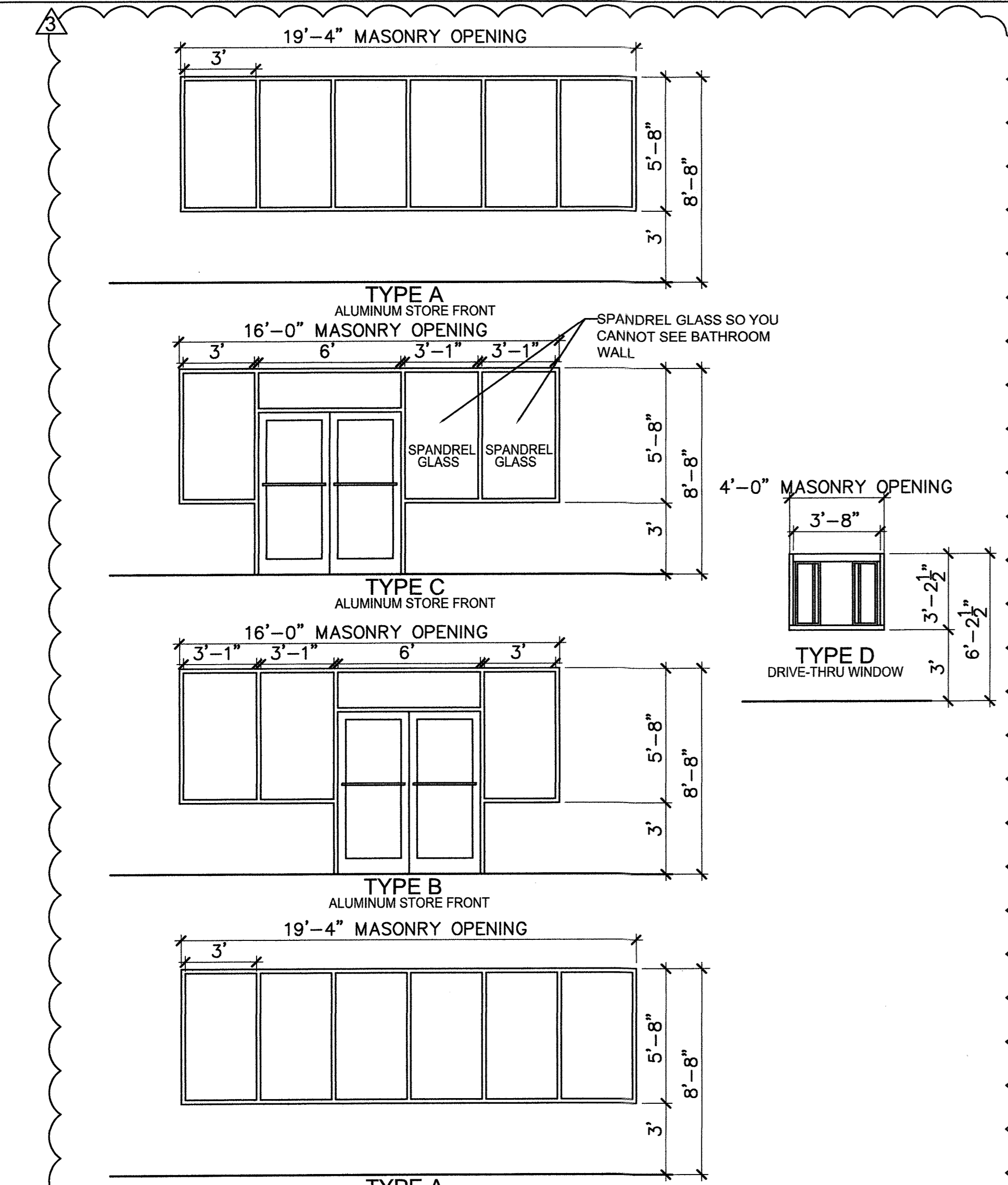
**RESTROOM DETAILS / MOUNTING HEIGHTS**

TOILET ACCESSORIES LEGEND	
ITEM	ITEM
1 1/2" DIA. GRAB BAR X 36" LONG (PEENED FINISH)	TILE WALL
1 1/2" DIA. GRAB BAR X 42" LONG (PEENED FINISH)	PAINTED G.W.B. WALL
PAPER TOWEL DISPENSER - SURFACE MOUNTED	A.D.A. COMPLIANT LAVATORY
SOAP DISPENSER - SURFACE MOUNTED	8" MAX FROM WALL EDGE
TOILET TISSUE DISPENSER - SURFACE MOUNTED	A.D.A. COMPLIANT TOILET
MIRROR 18" X 36"	ELECTRIC HAND DRYER

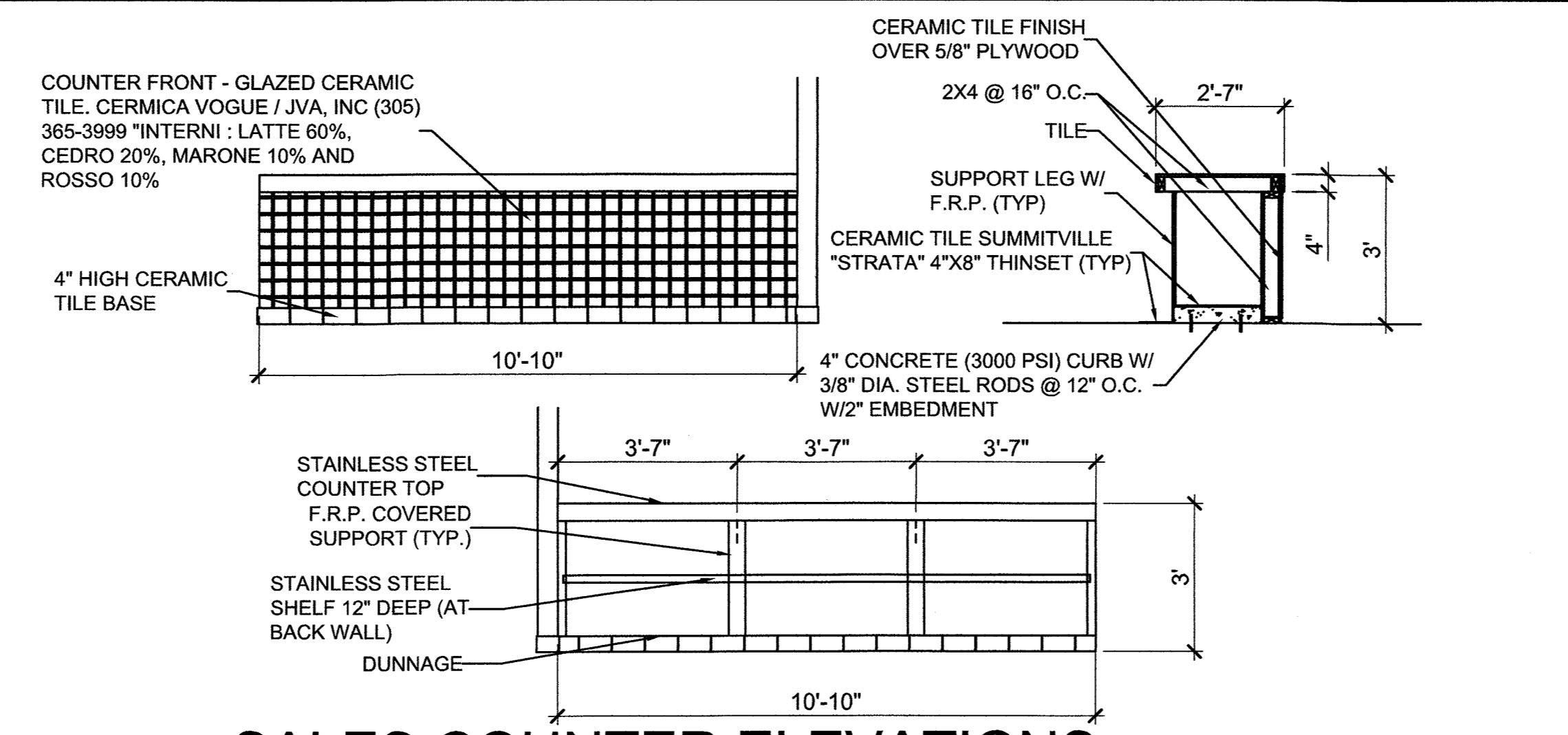
- NOTES:**
- INSULATE ALL EXPOSED HOT WATER PIPING AT HANDICAP LOCATIONS.
  - LAVATORIES SHALL BE MOUNTED WITH LAVATORY APRON 2'-5" A.F.F. IN ACCORDANCE WITH FLORIDA BUILDING CODE ACCESSIBILITY REQUIREMENTS.
  - MIRRORS SHALL BE CENTERED OVER SINKS, TYPICAL U.N.O.
  - H/C TOILETS SHALL MEET REQUIREMENTS OF FLORIDA BUILDING CODE ACCESSIBILITY REQUIREMENTS.
  - SHOULD ANY DISCREPANCY BE FOUND BETWEEN ITEMS NOTED IN THE CONTRACT DOCUMENTS AND APPLICABLE CODES, THE CONTRACTOR SHOULD BRING ITEMS TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING.
  - PROVIDE SEALANT AROUND THE BASE OF ALL WATER CLOSETS.
  - ALL BLOCKING REQUIRED FOR INSTALLATION SHALL BE PROVIDED BY CONTRACTOR.

- GENERAL NOTES:**
- ENLARGED TOILET PLANS SHOW LOCATION OF TOILET FIXTURES, ACCESSORIES, AND NOTES. SEE FLOOR PLAN FOR INFORMATION REGARDING WALL TYPES, CONSTRUCTION NOTES AND ROOM FINISHES.
  - ALL STUD WALLS SURROUNDING RESTROOMS SHALL HAVE SOUND ATTENUATION BATTING.
  - DIMENSIONS LOCATING TOILET ACCESSORIES ARE TYPICAL UNLESS NOTED OTHERWISE.
  - REFER TO FINISH SCHEDULE FOR ROOM FINISHES.
  - TYPICAL ELEVATIONS ARE SHOWN FOR CLARITY OF FIXTURE AND ACCESSORY LOCATIONS AND HEIGHTS. REFER TO PLANS FOR LOCATIONS.
  - ALL WALL MOUNTED GRAB BARS, SINKS OR OTHER EQUIPMENT SHALL HAVE BLOCKING INSTALLED AS REQUIRED.
  - GRAB BARS SHALL BE A MINIMUM 1 1/4" TO A MAX 1 1/2" OUTSIDE DIAMETER WITH A MINIMUM 1-1/2" CLEAR SPACE BETWEEN FINISHED FACE OF WALL AND BAR. MOUNT BARS TO SUPPORT A POINT LOAD OF 250 LBS. MIN.
  - PROVIDE 2X WOOD BLOCKING AT TOILET ACCESSORY LOCATIONS FOR MOUNTING PURPOSES.
  - ACCESSIBLE WATER CLOSETS, WHETHER FLOOR OR WALL MOUNTED SHALL HAVE THE SEAT, NOT RIM, AT 17" MIN. TO 19" MAX. ABOVE THE FINISHED FLOOR.
  - ALL RESTROOM DIMENSIONS MUST BE MAINTAINED TO ALLOW FOR CODE COMPLIANCE.

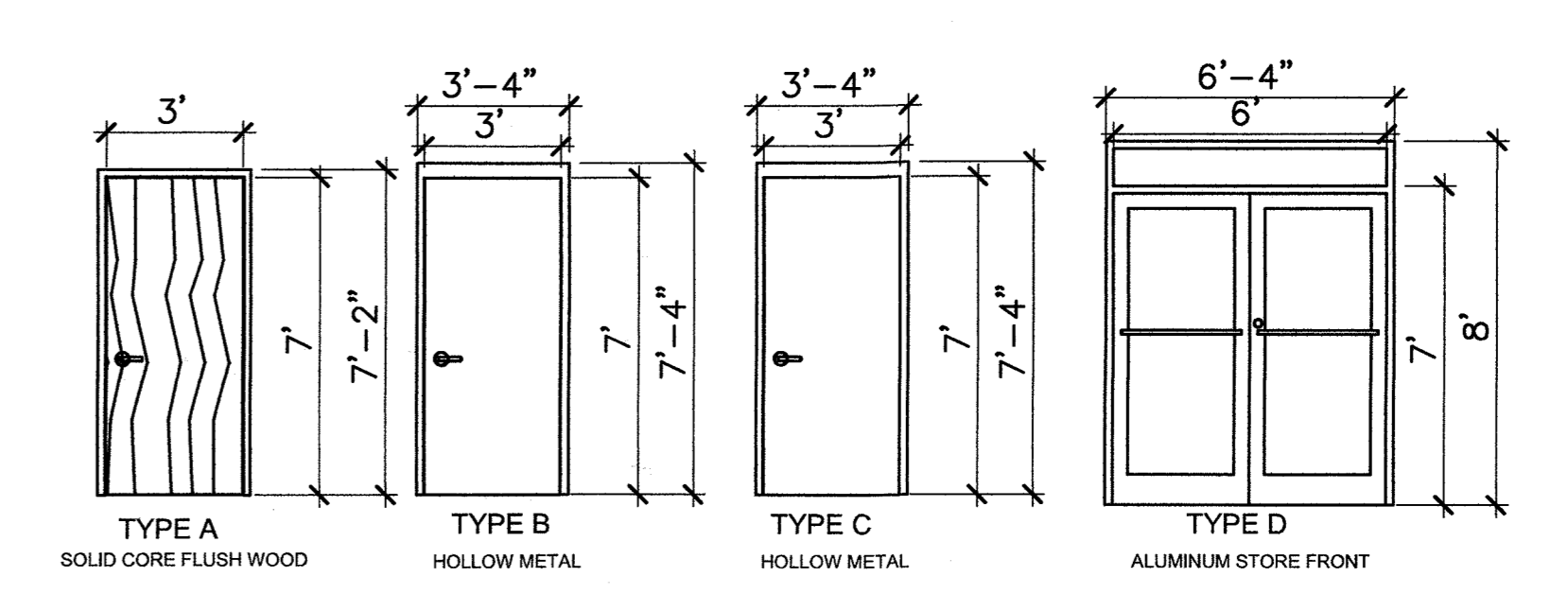
ALL OTHER PLUMBING FIXTURES, INCLUDING BUT NOT LIMITED TO - FIXTURES, HARDWARE, AND ACCESSORIES SHALL BE SELECTED BY OWNER UNLESS OTHERWISE NOTED ON DRAWINGS. CONTRACTORS ARE RESPONSIBLE FOR COORDINATING WITH OWNER.



**3 GLAZING ELEVATIONS**  
A1.2 HUNGRY HOWIE'S SC: N.T.S.



**4 SALES COUNTER ELEVATIONS**  
A1.2 HUNGRY HOWIE'S SC: 3/8" = 1'-0"



**5 DOOR TYPES DOOR ELEVATIONS**  
A1.2 HUNGRY HOWIE'S SC: 1/4" = 1'-0"

FINISH SCHEDULE							
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL	CEILING	CEILING HEIGHT	REMARKS
100	DINING/WAITING	CERAMIC TILE	CERAMIC TILE	PTD DRYWALL	2' X 2' ACOUST.	10'-0"	4' HIGH CERAMIC TILE WAINSCOT
101	ORDERING/SERVING	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	2' X 2' ACOUST.	10'-0"	
102	RESTROOM	CERAMIC TILE	CERAMIC TILE	PTD DRYWALL	DRY WALL	8'-0"	4' HIGH CERAMIC TILE WAINSCOT
103	KITCHEN	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	2' X 2' ACOUST.	10'-0"	
104	VACANT	NONE	NONE	NONE	NONE	OPEN	

- GENERAL NOTES:**
- ALL DOORS SHALL BE OPERABLE BY A SINGLE EFFORT. THE DOORS AND CLOSERS SHALL BE ADJUSTED SUCH THAT EXTERIOR SWINGING DOORS CAN BE OPERATED BY NOT MORE THAN 8.5 POUNDS OF FORCE ON THE LATCH STILE. INTERIOR DOORS BY NOT MORE THAN 5.0 POUNDS OF FORCE. (SEE ALSO 553.48 (4)(1), 7F.S.)
  - ALL DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32" WITH THE DOOR OPEN 90 DEGREES MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.
  - HANDRAILS, PULLS, LOCKSETS, AND OTHER OPERATING MECHANISMS ON ENTRANCE DOORS, RESTROOM TOILET ROOM DOORS, AND OTHER MECHANISMS OR U-SHAPED HANDLES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND. DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. THIS REQUIREMENT SHALL BE SATISFIED BY THE 5 POUND FEET STANDARD AS DESCRIBED IN THE AMERICAN NATIONAL STANDARDS INSTITUTE (1986) 4.13.
  - THE ELEVATION OF FLOOR SURFACES ON BOTH SIDES OF ALL DOORS SHALL NOT VARY MORE THAN 1/2". THE ELEVATION SHALL BE MAINTAINED ON BOTH SIDES OF A DOORWAY FOR A DISTANCE OF AT LEAST EQUAL TO THE WIDEST LEAF. (TYPICAL)
  - ALL INTERIOR FINISH ON WALLS AND CEILINGS OF EXITS AND OF ENCLOSED TRAVEL CORRIDORS FURNISHING ACCESS THERETO OR WAY OF TRAVEL THEREFROM SHALL BE "CLASS A" OR "CLASS B" IN ACCORDANCE WITH SECTION 6-5 OF THE LIFE SAFETY CODE AND TABLE 803.5 FBC-B.
  - FIRE EXTINGUISHERS SHALL BE PROVIDED AND INSTALLED PER NFPA 101
  - ALL CEILINGS IN FOOD HANDLING AREAS SHALL BE NON-POUROUS AND EASILY CLEANABLE.
  - ALL BASE IN FOOD HANDLING AREAS SHALL BE CARED BASE.

MANUFACTURERS USED:	
CODE	MANUFACTURER
HA	HAGER HINGE
BES	BEST ACCESS SYSTEMS
CR	CORBIN RUSWIN
BAL	BALDWIN
VD	VON DUPRIN
DA	DORMA
HES	HES ASSA ABLDY

DOOR SCHEDULE							
NO.	DOOR TYPE	SIZE	LABEL	FRAME TYPE	FIRE RATE	HARDWARE	NOTES
100	D	6'-0" X 7'-0"	N/A	ALUM.	N/A	MANUF. STANDARD	
101	A	3'-0" X 7'-0"	N/A	H.M.	N/A	2	
102	A	3'-0" X 7'-0"	N/A	H.M.	N/A	1	
103	C	3'-0" X 7'-0"	N/A	H.M.	N/A	3	
104a	D	6'-0" X 7'-0"	N/A	ALUM.	N/A	MANUF. STANDARD	
104b	B	3'-0" X 7'-0"	N/A	H.M.	N/A	3	

HARDWARE SCHEDULE						
MARK	QTY	ITEM	MODEL NUMBER	FINISH	MFG.	REMARKS
1	3	HINGES	BB1279 4 1/2 X 4 1/2	US26D	HA	
	1	PRIVACY LOCKSET	5K 0R-15-STL-626	US26D	BES	
	1	CLOSER	DC3200-A1-626-(RH/LH)-M54	US26D	CR	
	1	STOP	236 W	US32D	HA	
	2	SILENCERS	307D	GREY	HA	
2	3	HINGES	BB1279 4 1/2 X 4 1/2	US26D	HA	
	1	PASSAGE LOCKSET	5K-0-N-15-C-STK-626	US26D	BES	
	1	STOP	236 W	US32D	HA	
	2	SILENCERS	307D	GREY	HA	
3	3	HINGES	BB1279 4 1/2 X 4 1/2	US26D	HA	
	1	PUSH PLATE	2280-150	SATIN NICKEL	BAL	
	3	PULL	2355-150	SATIN NICKEL	BAL	

HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
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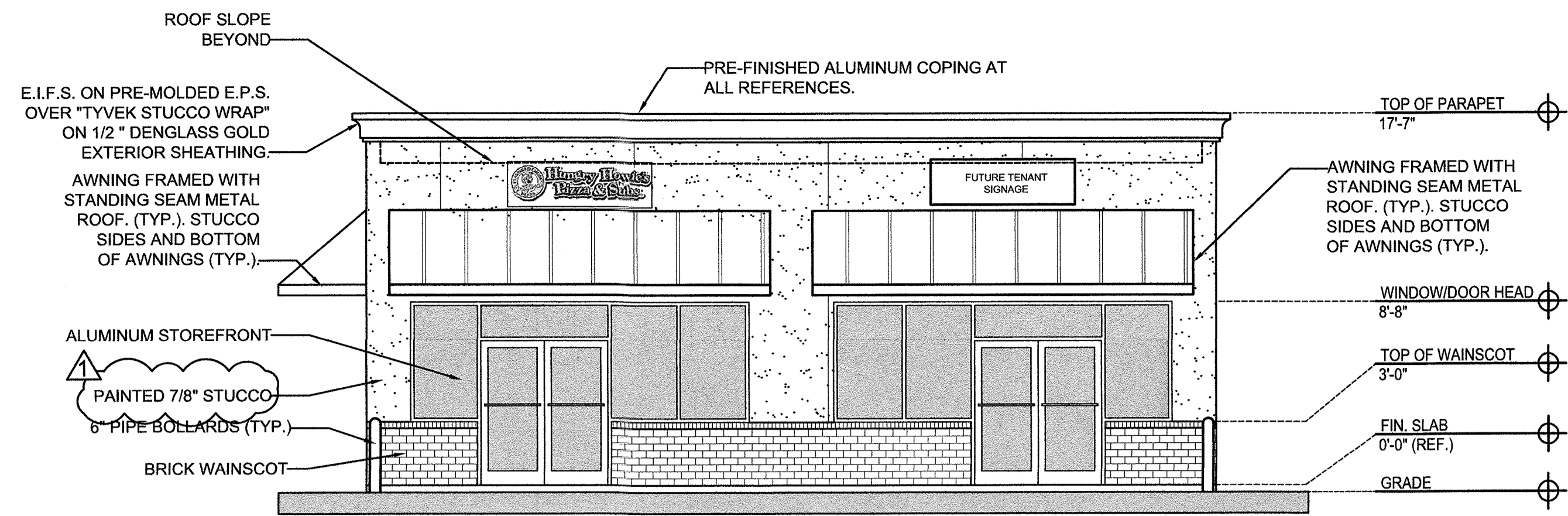
SCHEDULES AND DETAILS

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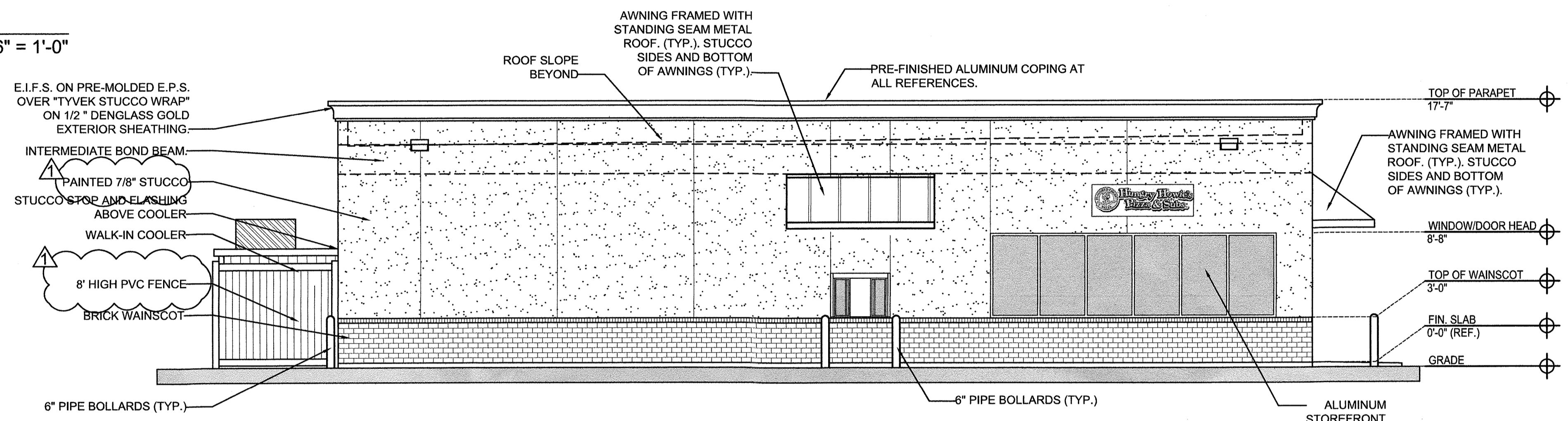
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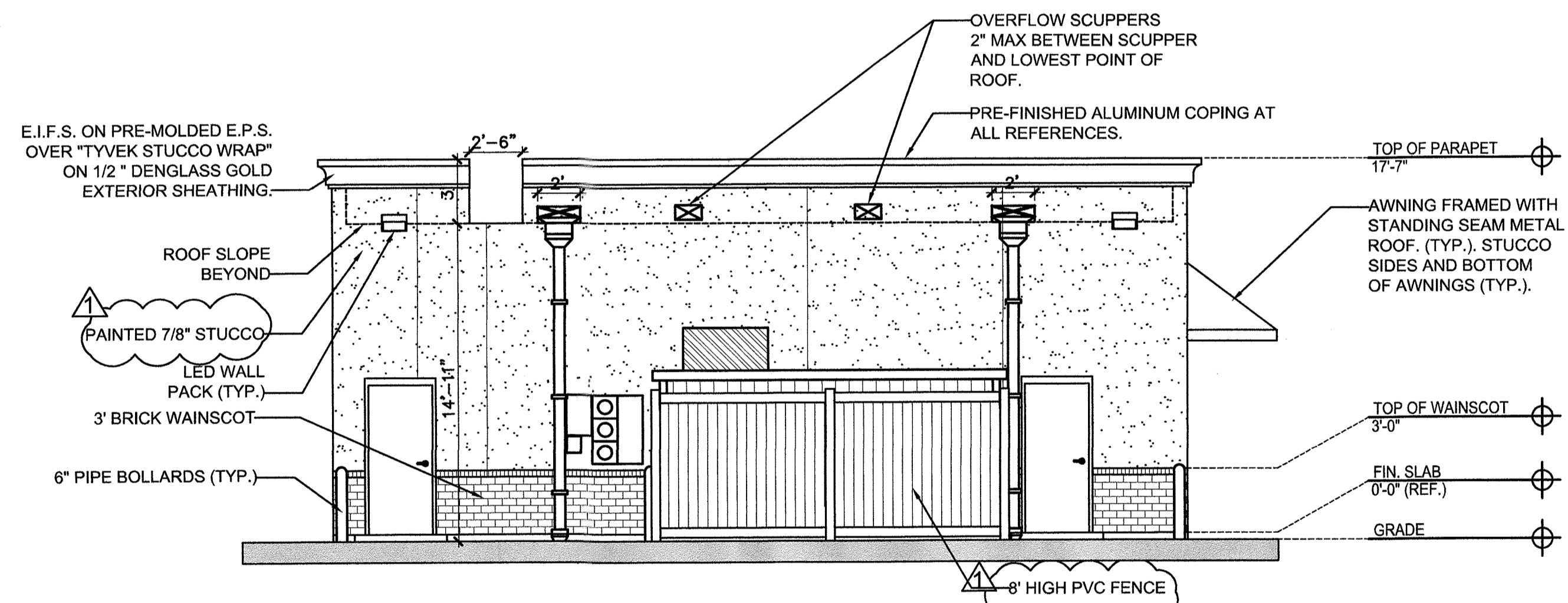
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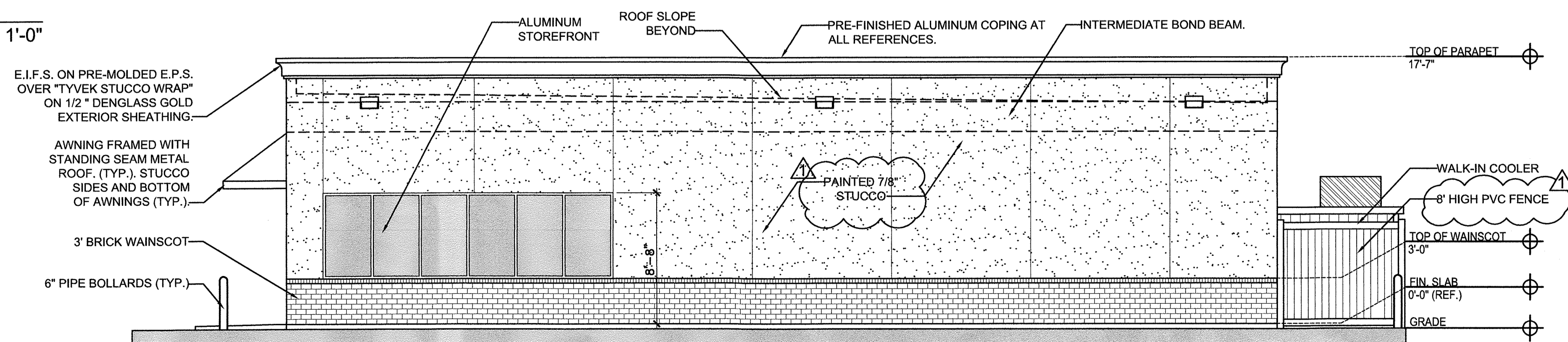
1 WEST ELEVATION  
 HUNGRY HOWIES PIZZA SC: 3/16" = 1'-0"



2 NORTH ELEVATION  
 HUNGRY HOWIES PIZZA SC: 3/16" = 1'-0"



3 EAST ELEVATION  
 HUNGRY HOWIES PIZZA SC: 3/16" = 1'-0"



4 SOUTH ELEVATION  
 HUNGRY HOWIES PIZZA SC: 3/16" = 1'-0"

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 EXTERIOR ELEVATIONS

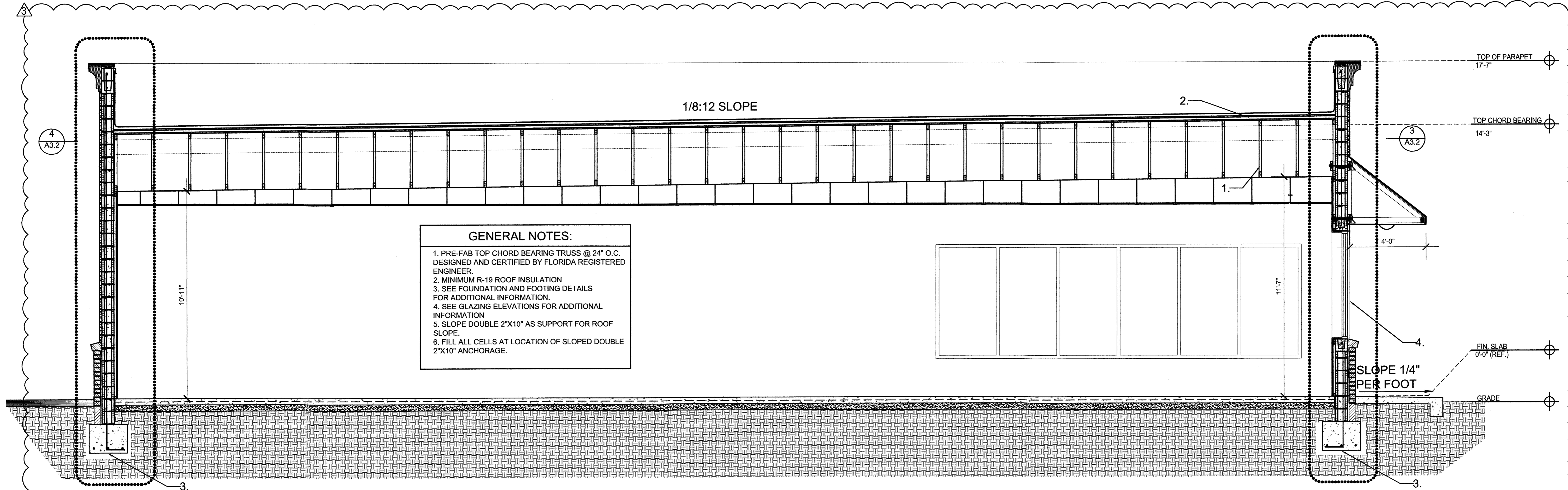
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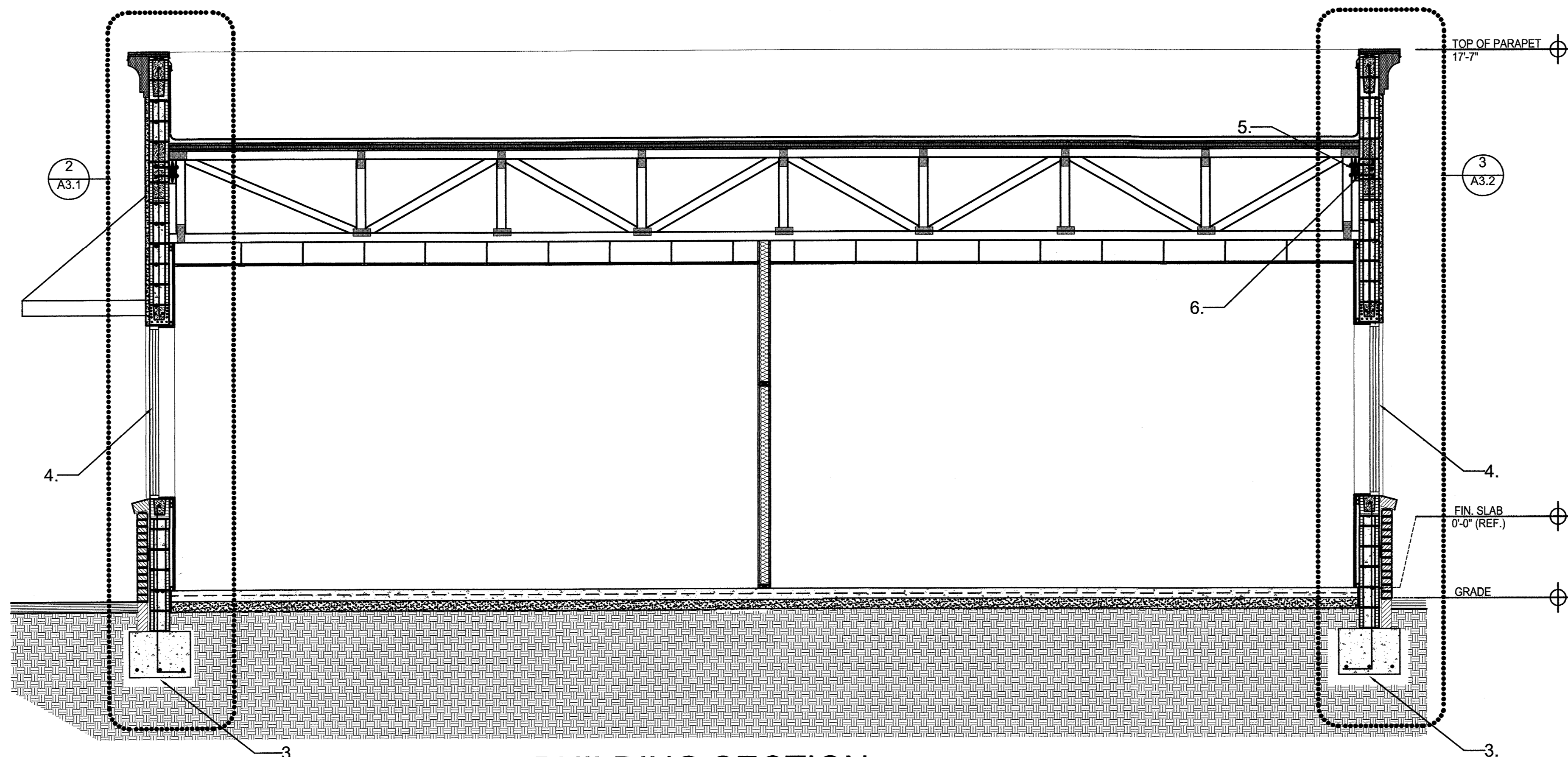




**GENERAL NOTES:**

1. PRE-FAB TOP CHORD BEARING TRUSS @ 24" O.C. DESIGNED AND CERTIFIED BY FLORIDA REGISTERED ENGINEER.
2. MINIMUM R-19 ROOF INSULATION
3. SEE FOUNDATION AND FOOTING DETAILS FOR ADDITIONAL INFORMATION.
4. SEE GLAZING ELEVATIONS FOR ADDITIONAL INFORMATION
5. SLOPE DOUBLE 2"X10" AS SUPPORT FOR ROOF SLOPE.
6. FILL ALL CELLS AT LOCATION OF SLOPED DOUBLE 2"X10" ANCHORAGE.

**1 BUILDING SECTION**  
 HUNGRY HOWIE'S PIZZA  
 SC: 3/8" = 1'-0"



**2 BUILDING SECTION**  
 HUNGRY HOWIE'S PIZZA  
 SC: 3/8" = 1'-0"

**LAKE COUNTY BUILDING SERVICES**  
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HUNGRY HOWIE'S PIZZA AND SHELL CONSTRUCTION  
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BUILDING SECTIONS



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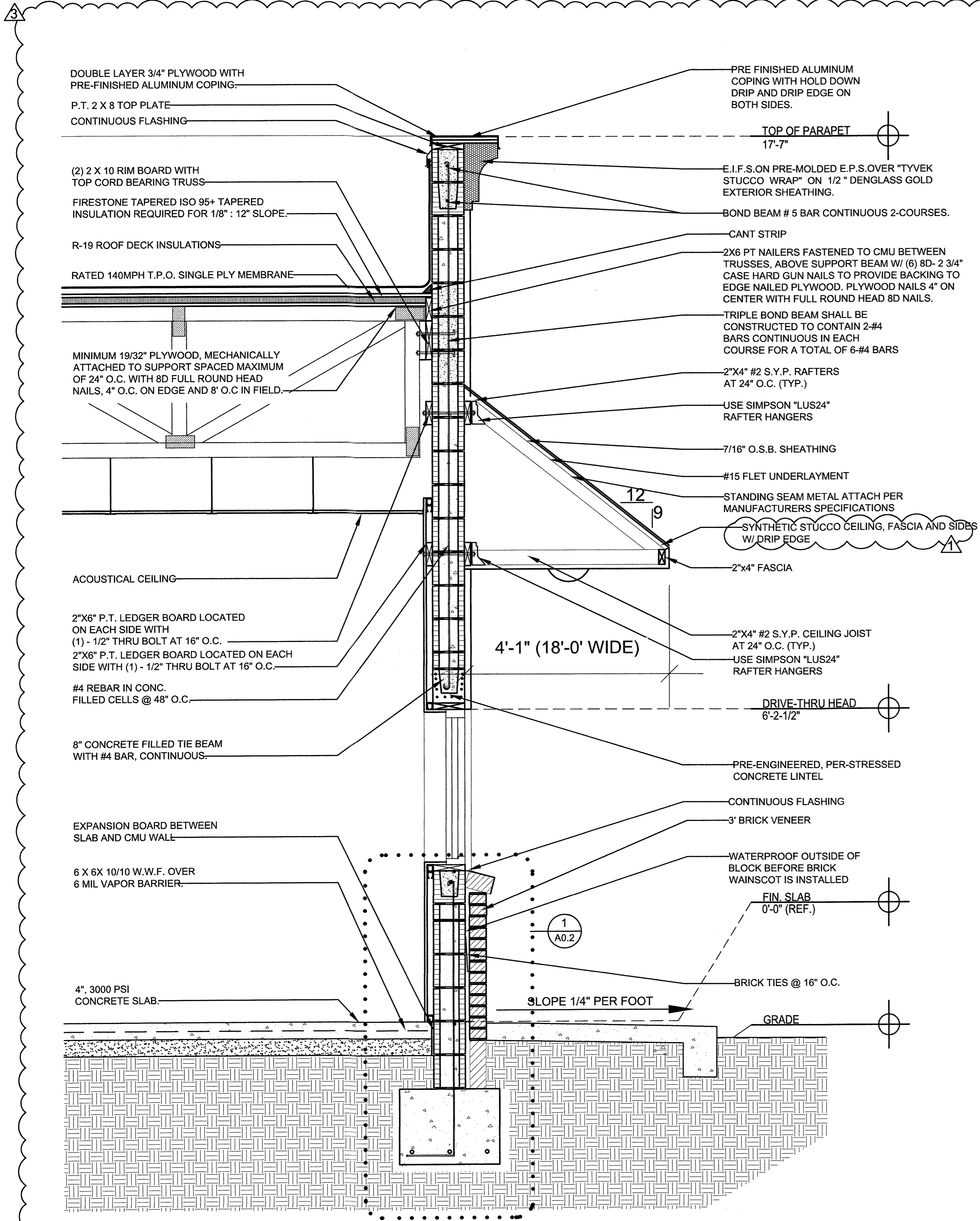
REVISED  
 A JUNE 12, 2018

JOB NO.  
 17-265

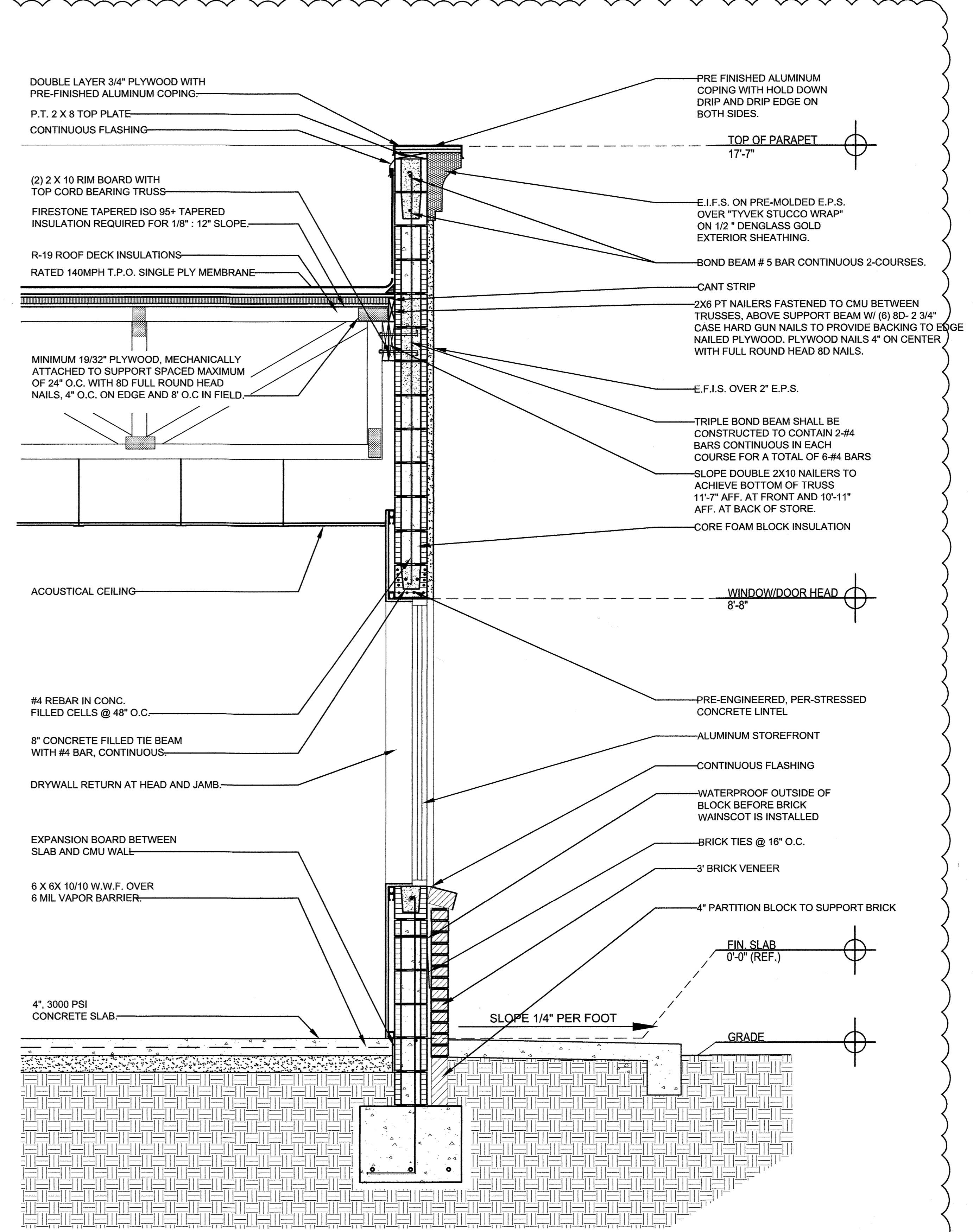
DATE 06-12-2018

SHEET NUMBER  
 A3.0

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1 WALL SECTION  
 A3.1 HUNGRY HOWIE'S PIZZA SC: 3/4" = 1'-0"



2 WALL SECTION  
 A3.1 HUNGRY HOWIE'S PIZZA SC: 3/4" = 1'-0"

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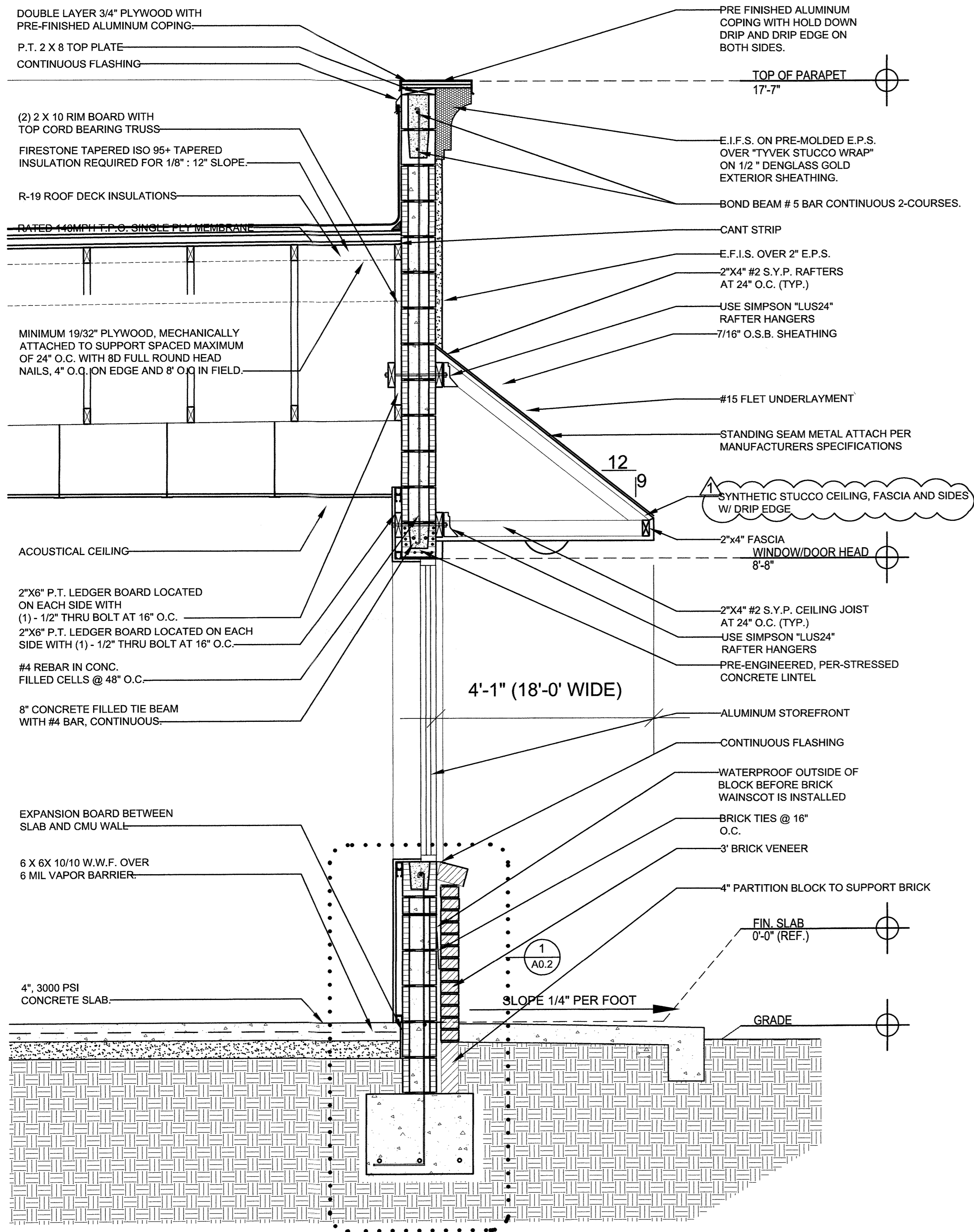
HUNGRY HOWIE'S PIZZA AND SHELL CONSTRUCTION  
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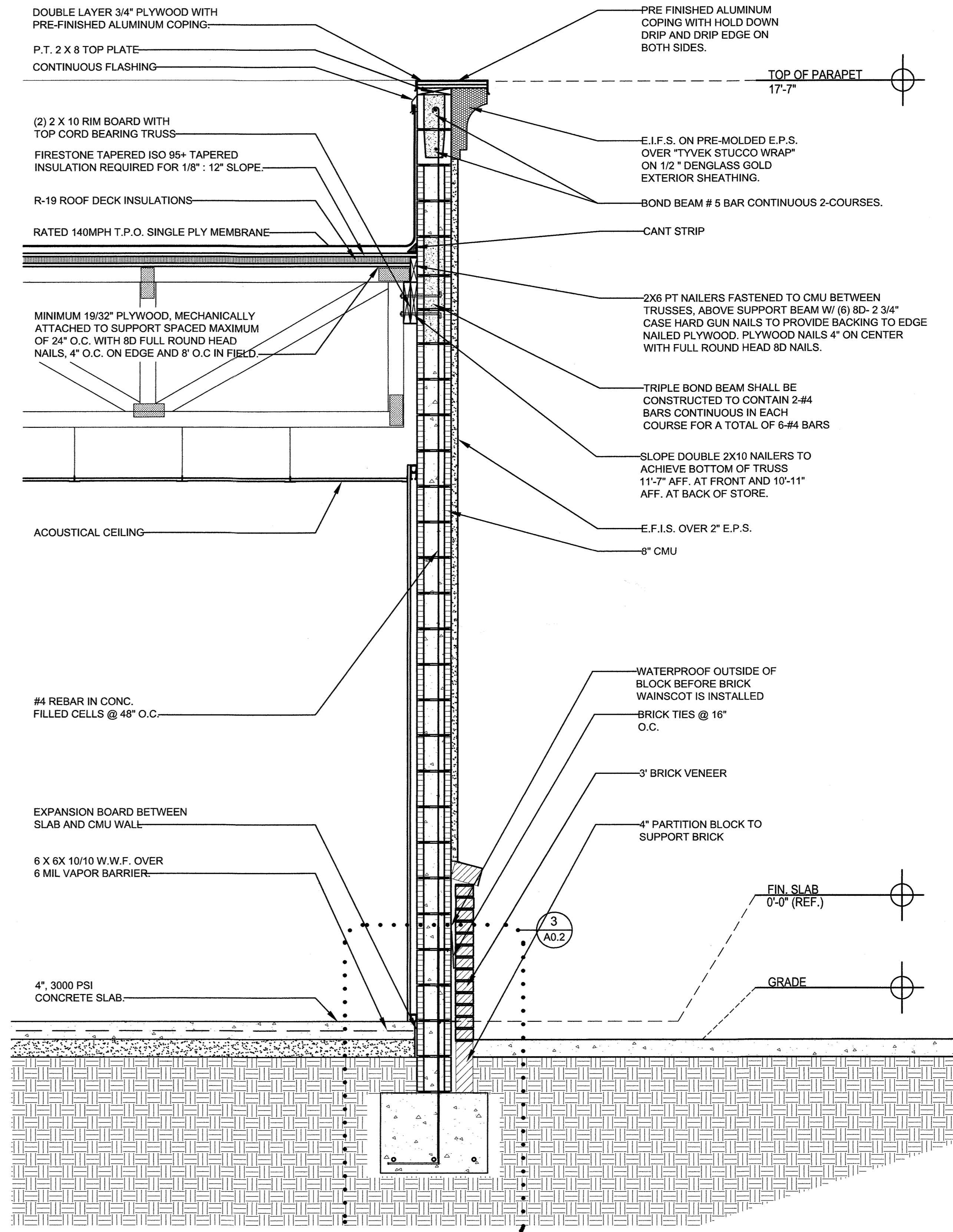
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**1 WALL SECTION**  
 A3.2 HUNGRY HOWIE'S PIZZA SC: 3/4" = 1'-0"



**2 WALL SECTION**  
 A3.2 HUNGRY HOWIE'S PIZZA SC: 3/4" = 1'-0"

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HUNGRY HOWIE'S PIZZA AND SHELL CONSTRUCTION  
 3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

WALL SECTIONS

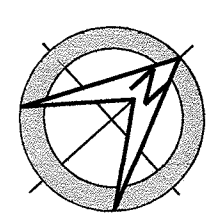
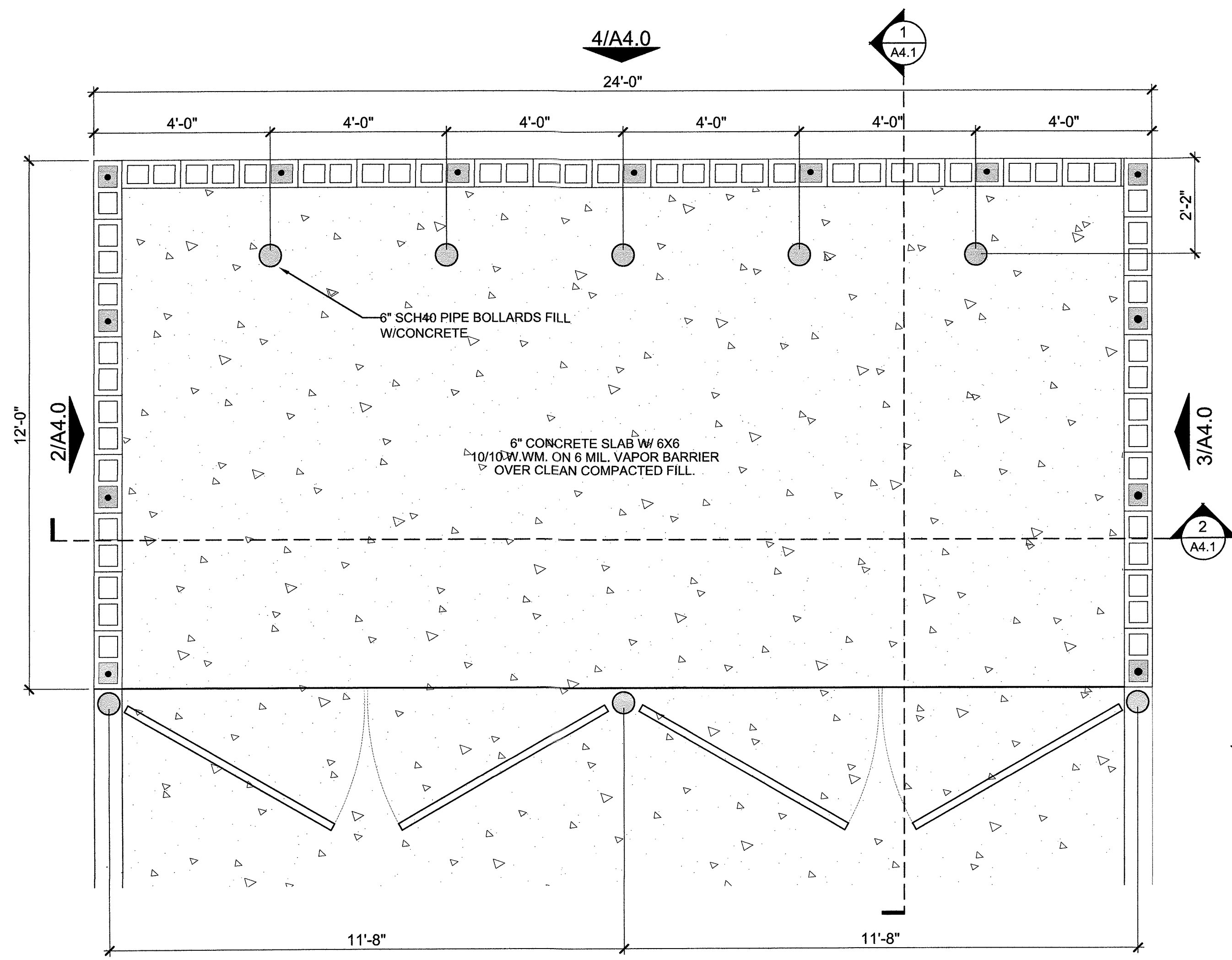
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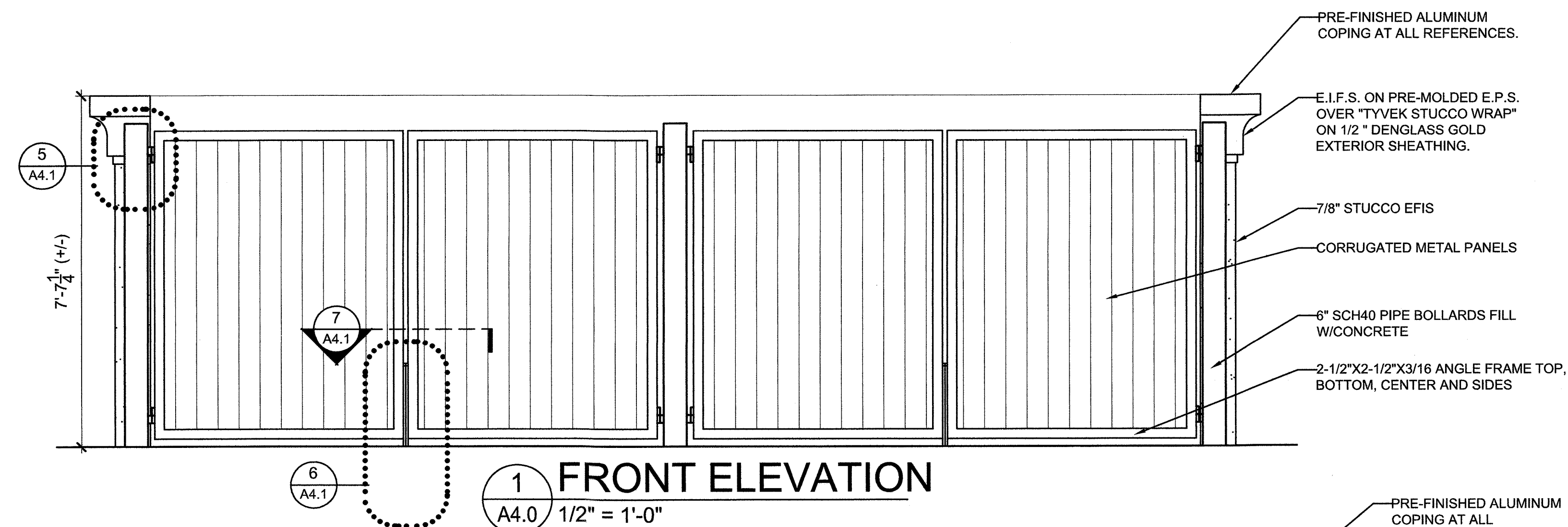
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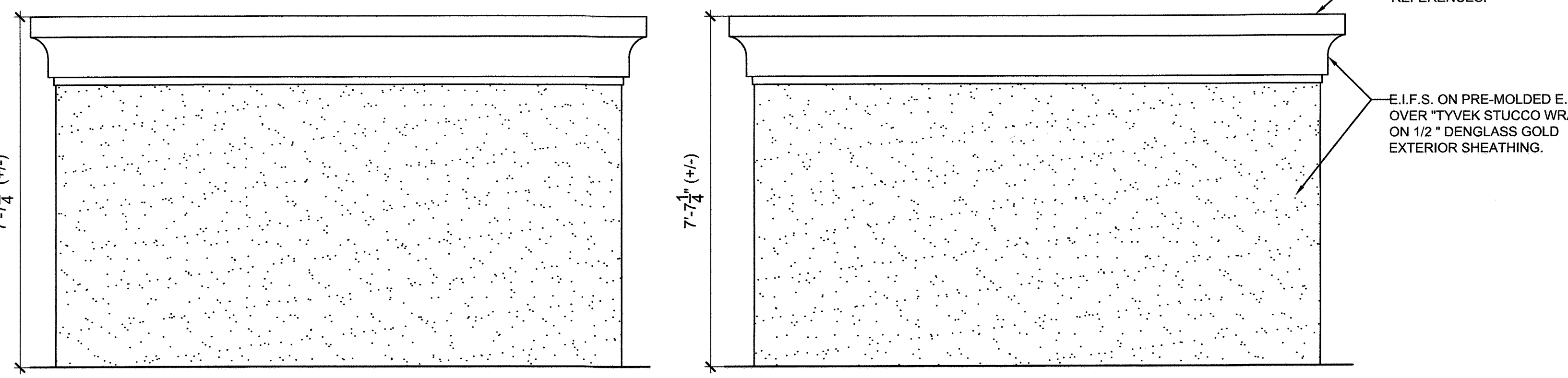
**DUMPSTER PLAN**  
 HUNGRY HOWIE'S PIZZA SC: 1/2" = 1'-0"

**CONCRETE NOTES**

1. CLEAR, GRUB, FILL, AND COMPACT ALL BEARING SOILS IN ACCORDANCE WITH PROCEDURES DIRECTED IN THE GEOTECHNICAL REPORT.
2. REMOVE ANY STANDING WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE.
3. PLACE CONCRETE FOR THICKENED SLAB FOOTINGS AND GRADE SLABS ON A 6-MIL POLYETHYLENE FILM BARRIER INSTALLED ON COMPACTED SOILS AS DIRECTED IN THE GEOTECHNICAL REPORT.
4. SLABS SHALL BE 6" 3,000 P.S.I. CONCRETE SLAB W/ 6 x 6 10/10 WELDED WIRE MESH.
5. NON-STRUCTURAL CONCRETE FOR SIDEWALKS, CURBS, ETC., SHALL BE 2,500 PSI.
6. SLABS SHALL HAVE A 1/8" WIDE BY 1/2" DEEP SAWN CRACK CONTROL JOINT AT THE INDICATED LOCATIONS. SAW WITHIN 12 HOURS OF PLACING CONCRETE.
7. CURE FINISHED SLABS FOR A MINIMUM OF 72 HOURS BY CONTINUOUS WETTING.
8. ALL REINFORCING STEEL SHALL BE GRADE 60 Fb = 60,000 PSI.
9. ALL REINFORCING STEEL SHALL BE CONTINUOUS WITH 18" MINIMUM LAPS & SHALL BE TIED SECURELY. BEND STEEL AROUND ALL CORNERS.
10. ALL CONCRETE AND REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE STANDARD OF PRACTICE FOR THE INDUSTRY.
11. FOUNDATION WORK, INCLUDING FORMWORK, STEEL PLACEMENT, WATERPROOFING, AND ALL OTHER RELATED WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES.

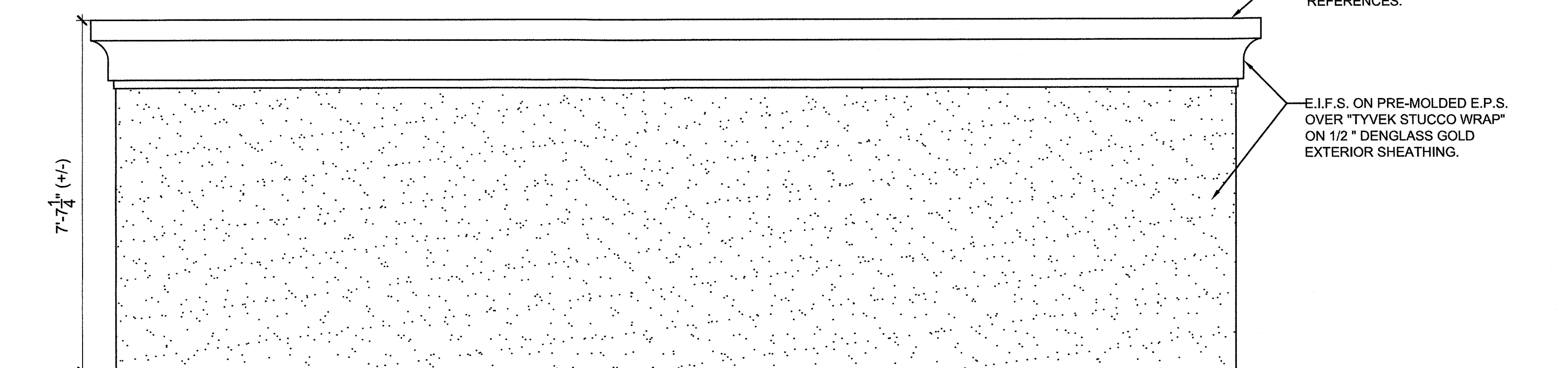


**1 FRONT ELEVATION**  
 A4.0 1/2" = 1'-0"



**2 LEFT ELEVATION**  
 A4.0 1/2" = 1'-0"

**3 RIGHT ELEVATION**  
 A4.0 1/2" = 1'-0"



**4 BACK ELEVATION**  
 A4.0 1/2" = 1'-0"

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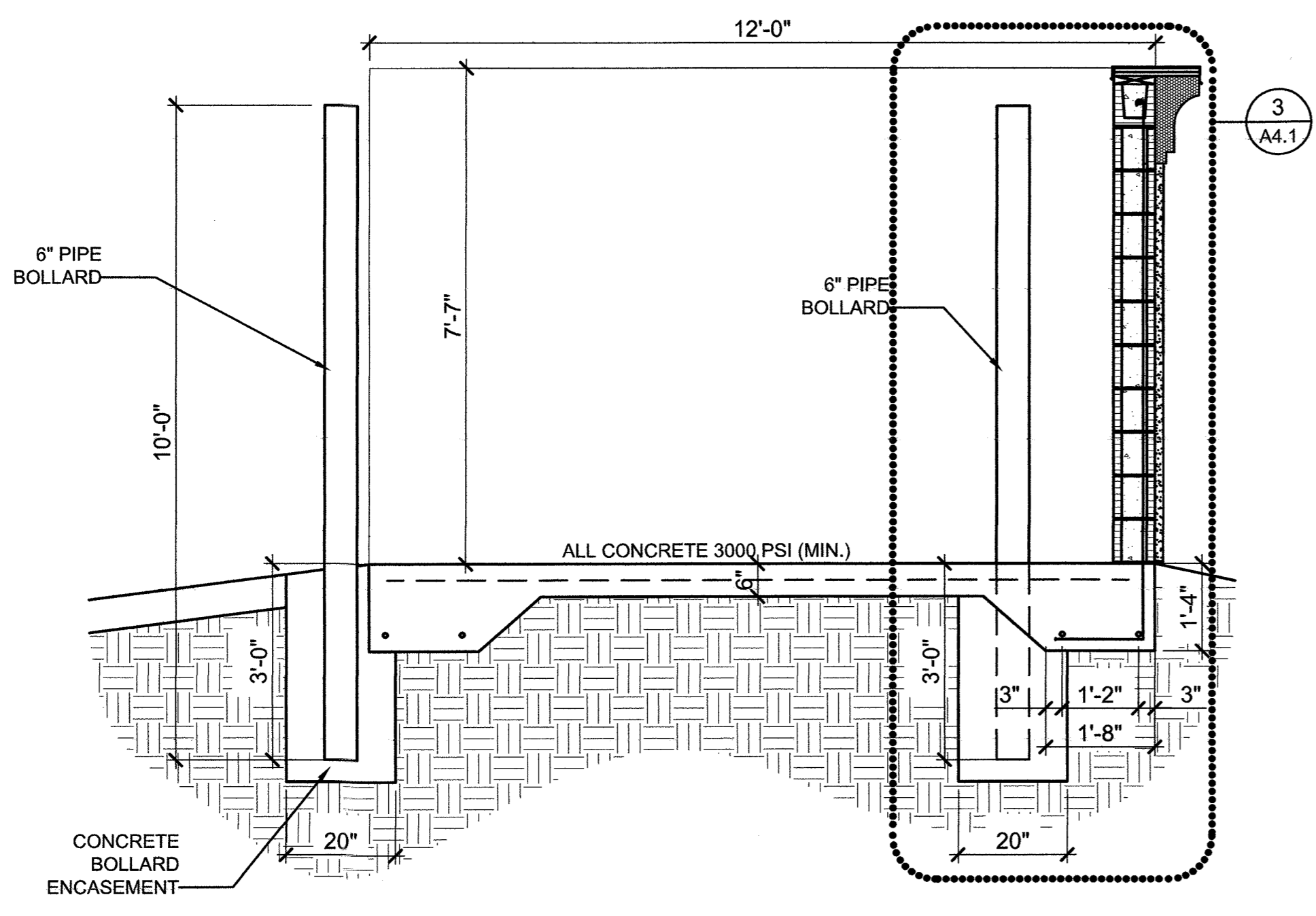
HUNGRY HOWIE'S PIZZA AND SHELL CONSTRUCTION  
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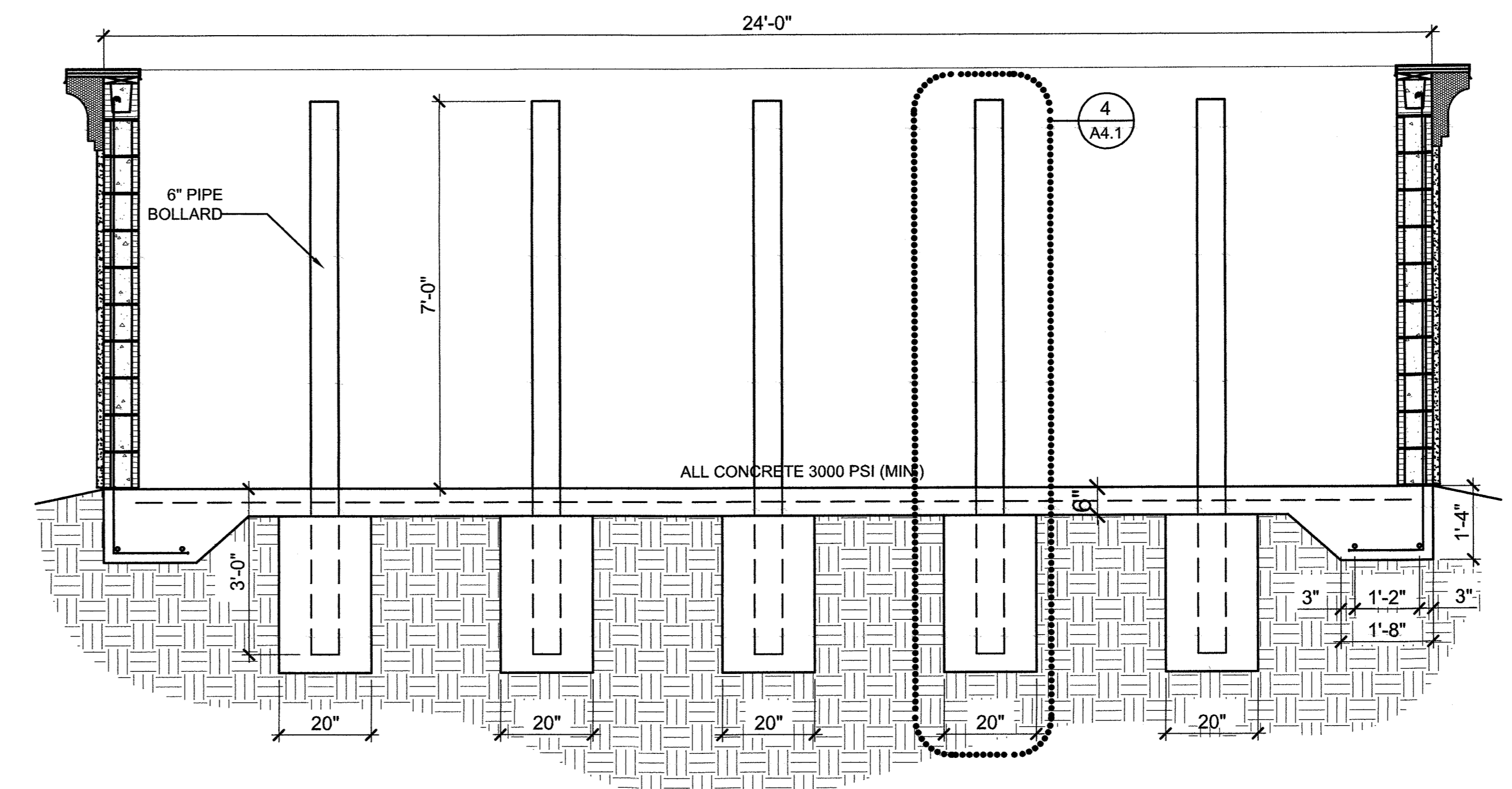
DATE	MAY. 01, 2018
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DATE *May 3, 2018*  
 SHEET NUMBER **A4.0**

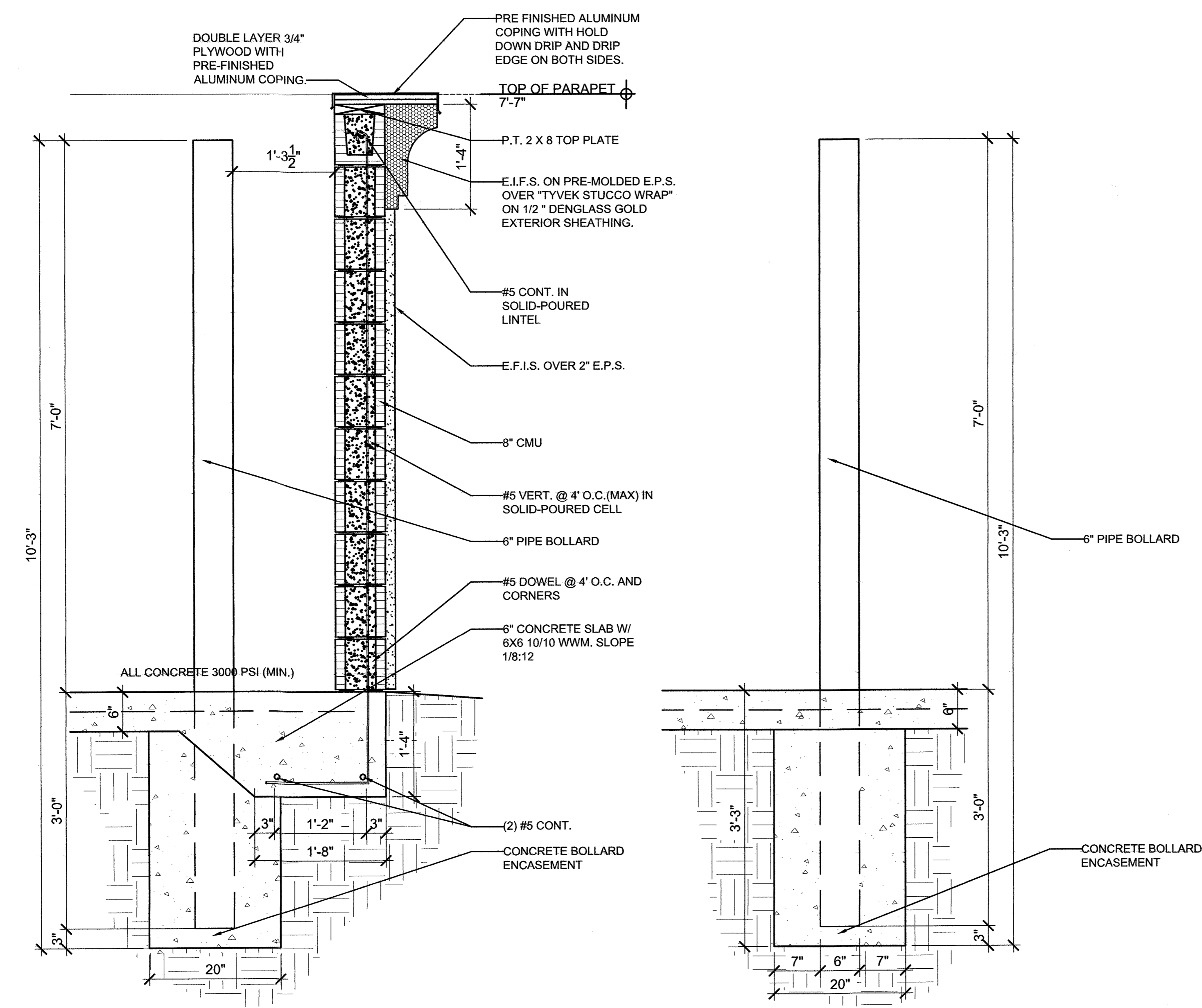
DUMPSTER PLAN AND DETAILS



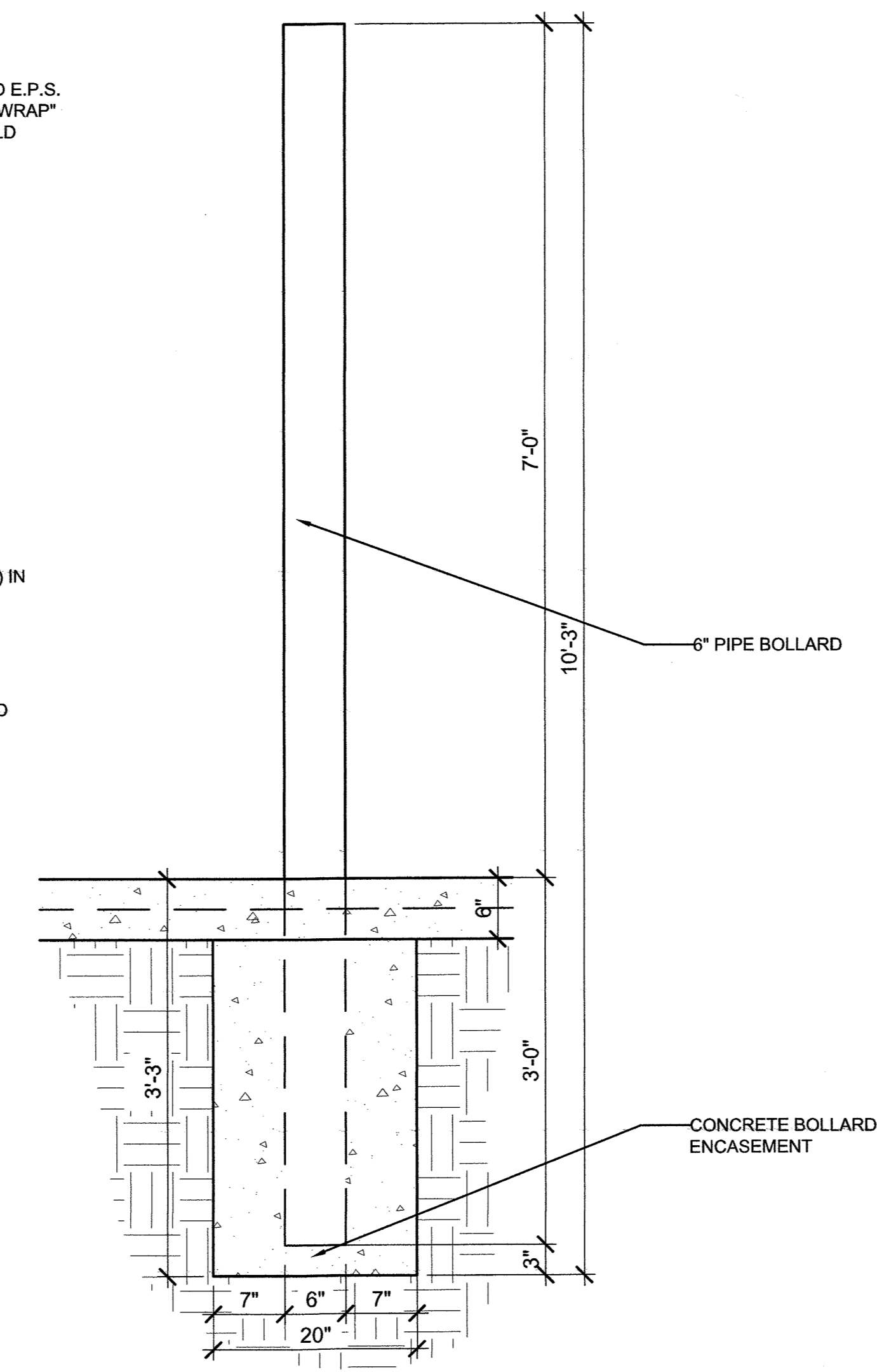
**1** DETAIL SECTION  
A4.1 1/2" = 1'-0"



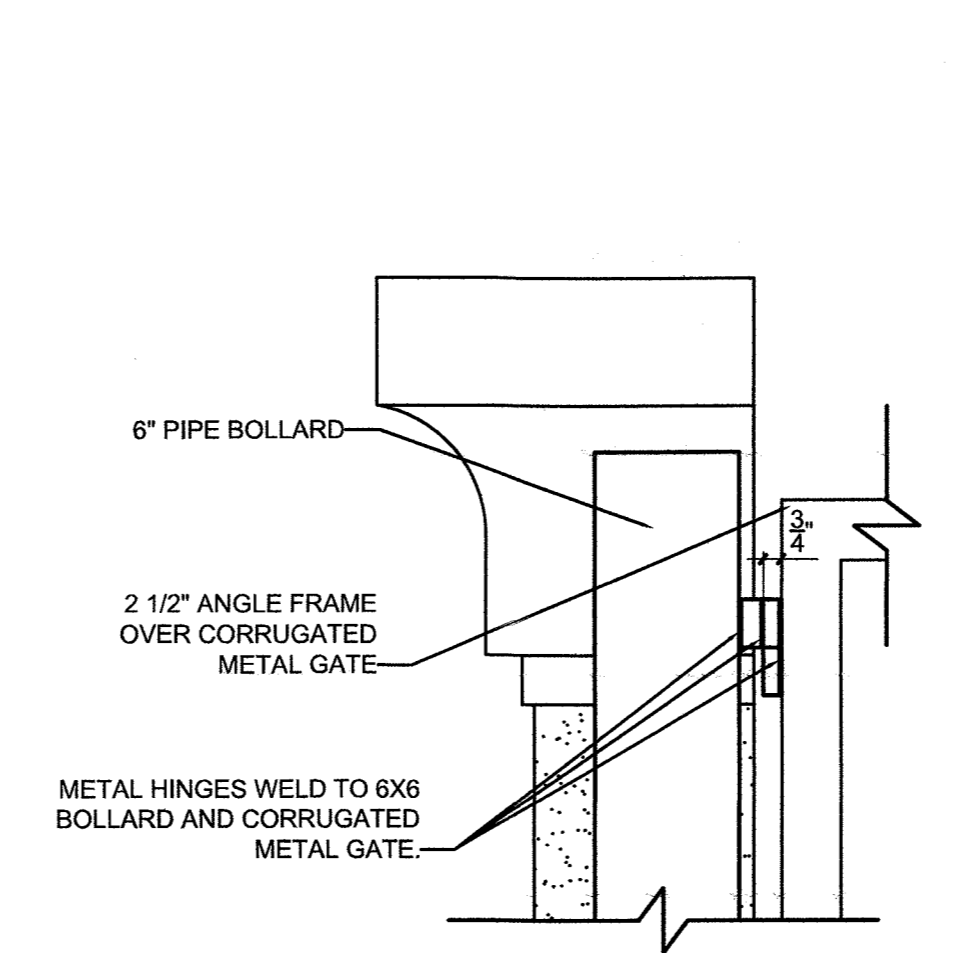
**2** DETAIL SECTION  
A4.1 1/2" = 1'-0"



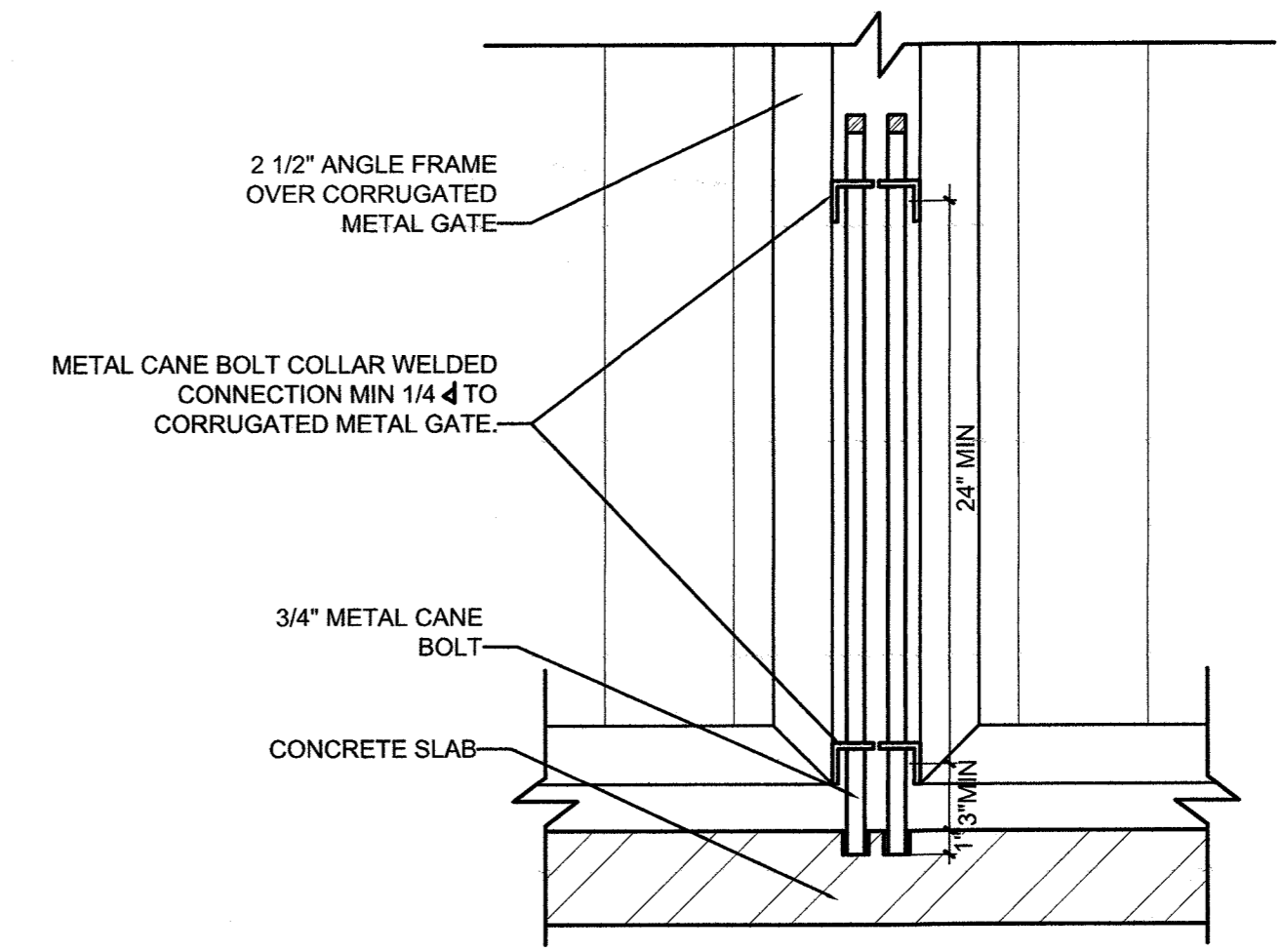
**3** DETAIL SECTION  
A4.1 N.T.S.



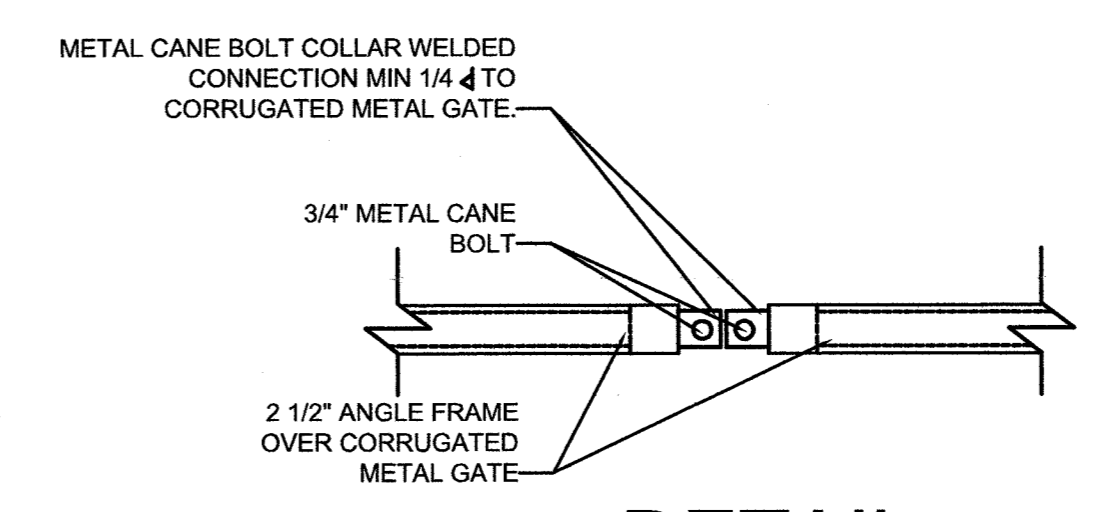
**4** DETAIL SECTION  
A4.1 N.T.S.



**5** DETAIL  
A4.1 N.T.S.



**6** DETAIL  
A4.1 N.T.S.



**7** DETAIL  
A4.1 N.T.S.

LAKE COUNTY BUILDING SERVICES  
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DUMPSTER PLAN AND DETAILS

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SHEET NUMBER  
**A4.1**

# PLUMBING NOTES

- PLUMBING DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THE CONTRACT - REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
- INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE, FLORIDA FIRE PREVENTION CODE, LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- ALL WORK SHALL BE INSTALLED IN A WORKMANLIKE MANNER BY EXPERIENCED TRADESMEN.
- CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
- CONTRACTOR SHALL GIVE 24 HOURS NOTICE TO APPLICABLE UTILITY COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
- PLUMBERS SHALL BE LICENSED BY STATE AND LOCAL AUTHORITIES TO INSTALL ALL PIPING.
- GENERAL CONTRACTOR IS TO VERIFY ALL IN-SLAB - ROUGH-INS LOCATIONS BEFORE POURING SLABS.
- LOCATIONS OF ANY WASTE & SUPPLY LINES SHOWN ARE ONLY APPROXIMATE. PLUMBING CONTRACTOR SHALL VERIFY THESE LOCATIONS BEFORE PROCEEDING WITH WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
- CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- UTILITY CONNECTIONS INDICATED ON THE PLANS ARE BEST INFORMATION AVAILABLE TO THE DESIGNERS AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- ALL POTABLE WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH SECTION 1207 OF THE STANDARD PLUMBING CODE AND VERIFIED BY WRITTEN REPORT FROM THE FLORIDA STATE BOARD OF HEALTH.
- ALL PLUMBING LINES SHALL BE CONCEALED IN FLOORS, WALLS, OR ABOVE CEILINGS AS APPLICABLE EXCEPT AT IMMEDIATE FIXTURE.
- PVC PIPING SHALL NOT BE USED IN UNENCLOSED LOCATIONS WITHIN THE BUILDING. COPPER IS ACCEPTABLE.
- ALL SANITARY PIPING SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED.
- VALVES AND FITTINGS SHALL BE OF SAME SIZE AS LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
- ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXCEPT AS SPECIFICALLY NOTED.
- CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE PLACED ON THE INTERIOR SIDE OF THE WALL, SO THAT WALL INSULATION CAN BE PLACED ON THE EXTERIOR SIDE OF THE PIPING.
- PROVIDE CUT-OFF VALVES AT LAVATORIES, SINKS, WATER CLOSET, AND REFRIGERATOR ICE MAKER SUPPLY BOXES.
- PROVIDE SHUT-OFF VALVE FOR MAIN SERVICE ENTER INTO BUILDING.
- WATER HEATER SHALL BE PLACED IN A METAL PAN WITH 4" SIDES AND 2" TRAPPED WASTE. 3/4" PRESSURE RELIEF LINES FROM WATER HEATER SHALL LEAD DIRECTLY TO EXTERIOR.
- VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.
- ALL VENTS THROUGH ROOF SHALL BE MIN. 10'-0" FROM ANY AIR INTAKES.
- ALL HOSE BIBS AND FAUCET WITH HOSE THREAD CONNECTION TO HAVE VACUUM BREAKER.
- PLUMBING CONTRACTOR SHALL VERIFY IF PRESSURE REDUCING VALUE IS NEEDED.
- ALL NEW HOT WATER PIPING THAT WILL CONVEY WATER IN EXCESS OF 105 DEGREES SHALL BE INSULATED AS PER ENERGY CODE SECTION 13-411.AB.2 AND RELATED TABLE.
- GREASE RECEPTOR TO BE 750 GALLONS UNLESS APPROVED BY THE POLK COUNTY HEALTH DEPARTMENT.
- A WASTE WATER-SUPPLIED TRAP PRIMER DEVICE SHALL SUPPLY WATER TO THE TRAP. WASTE WATER-SUPPLIED TRAP PRIMER DEVICES SHALL CONFORM TO ASSE 1044. THE DISCHARGE PIPE FROM THE SEAL PRIMER DEVICE SHALL CONNECT TO THE TRAP ABOVE THE SEAL ON THE INLET SIDE OF THE TRAP.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE TYPE	RUN-OUT SIZES		DESCRIPTION
		WASTE	CW	
P-1	WATER CLOSET (ADA COMPLIANT)	3"	3/4"	FLUSH VALVE TYPE TOILET (ADA), SELECTED BY OWNER
P-2	LAVATORY (ADA COMPLIANT) MOUNT IN ACCORDANCE W/ ARCH. PLANS	1-1/4"	1/2"	LAVATORY: CRANE "1412V", VITREOUS CHINA, WALL-MOUNTED LAVATORY, KEENEY 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT, 1/2" X 3/8" ANGLE STOPS & SUPPLIES (CHROME) INSULATED DRAIN AND SUPPLY FITTINGS WITH PVC JACKET, ADA COMPLIANT WITH CONCEALED WALL CARRIER. FAUCET TO BE SELECTED BY OWNER (PROVIDE ALLOWANCE)
P-3	THREE COMPARTMENT SINK	1-1/2"	1/2"	SINK AND FAUCET TO BE SELECTED BY OWNER (PROVIDE ALLOWANCE)
P-4	WATER HEATER	-	3/4"	A.O. SMITH "199,000 BTU, HOT WATER HEATER, OR EQUAL.
P-5	MOP SINK	-	3/4"	FLOOR MOP SINK
P-6	HAND SINK	-	3/4"	EMPLOYEE HAND SINKS
P-7	FLOOR DRAIN	4"	-	
P-8	ICE MACHINE	-	3/4"	SELECTED BY OWNER
P-9	FLOOR SINK	3"	-	SELECTED BY OWNER

PLUMBING FIXTURE NOTES:

- ALL FAUCETS, DRAINS, TRIM, AND FIXTURE ACCESSORIES SHALL HAVE AN OIL-RUBBED BRONZE FINISH UNLESS OTHERWISE INDICATED.
- ALL FIXTURES SHALL BE COMPLETE WITH FAUCETS, DRAINS, P-TRAPS, STOP VALVES, AND SUPPLY LINES.
- ALL FIXTURES SHALL BE WHITE UNLESS OTHERWISE INDICATED.
- ALL TOILETS SHALL BE 12" ROUGH-IN.
- CONTRACTOR SHALL PROVIDE ALL PIPING, VALVES, FITTINGS, ETC. AS NECESSARY FOR COMPLETE AND OPERATIONAL USE OF ALL FIXTURES.
- ALL PLUMBING PIPES SHALL BE INSULATED WITH 3/4" ARMAFLEX PIPE INSULATION.
- ALL ADA LAVATORY TRIM SHALL BE INSULATED WITH 1/2" ARMAFLEX PIPE INSULATION AND WRAPPED WITH PRE-FORMED PVC JACKET KITS.

PLUMBING FIXTURE ALLOWANCE NOTE:

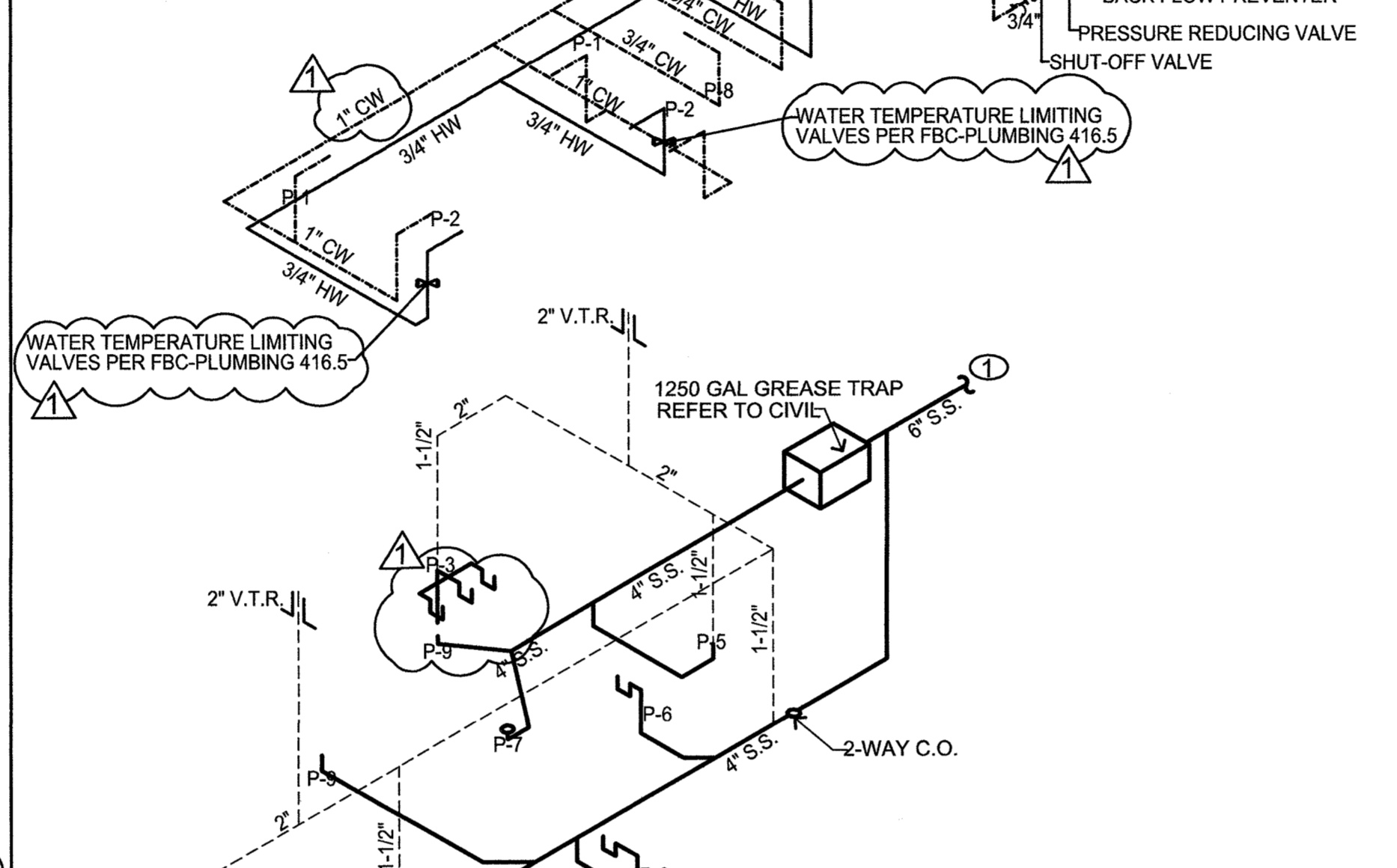
THE ABOVE SPECIFICATIONS ARE GIVEN AS EITHER AN ALLOWANCE COST AMOUNT OR BASIS OF DESIGN SPECIFICATION. THE CONTRACTOR SHALL INCORPORATE THESE SPECIFICATIONS AND ALLOWANCES INTO THE BASE BID. THE COST ALLOWANCES GIVEN ARE FOR COST OF FIXTURE/MATERIAL ONLY AND DO NOT INCLUDE LABOR / INSTALLATION COSTS. THE CONTRACTOR SHALL INCORPORATE ALL NECESSARY LABOR / INSTALLATION COSTS INTO THE BASE BID.

UNLESS NOTED OTHERWISE, EACH COST ALLOWANCE GIVEN IS ON A PER-FIXTURE BASIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING OFF FIXTURE COUNTS FROM THE DRAWINGS AND DETERMINING THE OVERALL COST ALLOWANCE FOR EACH CATEGORY. THE OMISSION OF AN ITEM OR COMPONENT FROM THE FOLLOWING LIST DOES NOT RELIEVE THE CONTRACTOR OF INCLUDING SUCH ITEMS IN THE BASE BID. ANY QUESTIONS OR CLARIFICATIONS SHOULD BE ADDRESSED TO THE ARCHITECT IN WRITING PRIOR TO THE DEADLINE FOR BIDDING QUESTIONS.

## 1 SUPPLY RISER

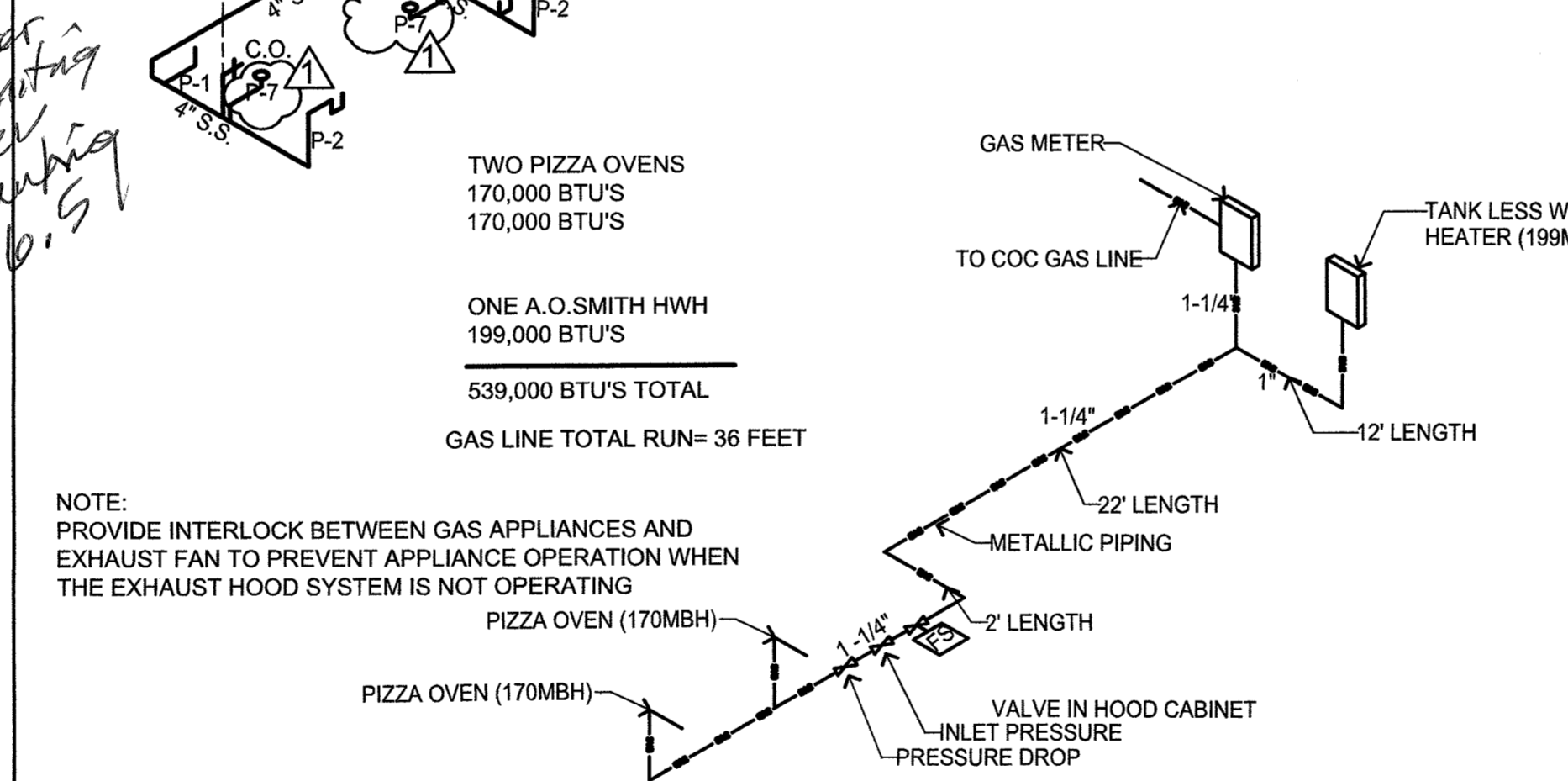
P1.0 N.T.S

CONTRACTOR TO INSTALL TWO SHUT OFF VALVES ON WATER SUPPLY PIPE TO EACH SILLCOCK PER 2017 FBC PLUMBING 6TH EDITION CHAPTER 6 SECTION 606.2



## 2 SANITARY SEWER RISER

P1.0 N.T.S



TWO PIZZA OVENS  
170,000 BTU'S  
170,000 BTU'S

ONE A.O.SMITH HWH  
199,000 BTU'S

539,000 BTU'S TOTAL  
GAS LINE TOTAL RUN= 36 FEET

NOTE:  
PROVIDE INTERLOCK BETWEEN GAS APPLIANCES AND EXHAUST FAN TO PREVENT APPLIANCE OPERATION WHEN THE EXHAUST HOOD SYSTEM IS NOT OPERATING

## 3 GAS RISER

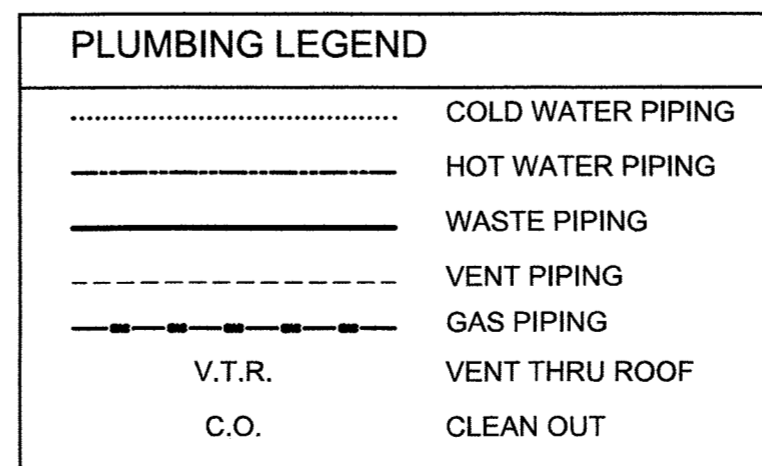
P1.0

PLUMBING KEY NOTES

- TO 6" WASTE TO PCU, FIELD-VERIFY EXIST. SEWER MAIN
- NEW 3/4" WATER SERVICE, FIELD-VERIFY EXIST. WATER MAIN
- TO GREASE TRAP

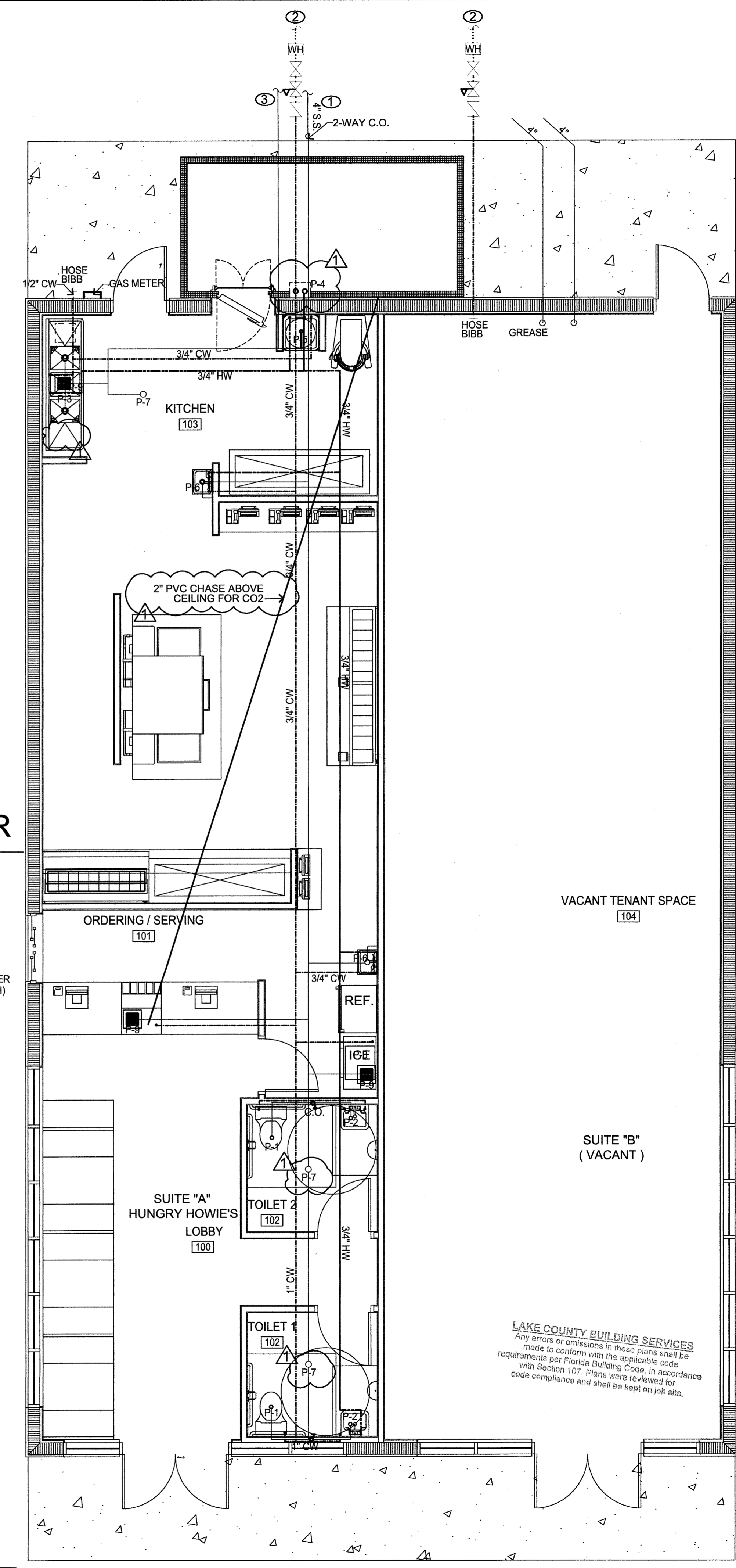
IF OWNERSHIP REQUIRES FLUSH VALVE TYPE FIXTURES ALL COLD WATER LINES SHALL BE 1".

THE KITCHEN EQUIPMENT PLANS, INCLUDING THE KITCHEN EXHAUST HOOD, FRESH AIR, FIRE SUPPRESSION SYSTEM, FANS, ETC., IS DIAGRAMMATIC ONLY. THE RESPECTIVE ELECTRICAL, MECHANICAL, AND PLUMBING SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING FLORIDA ENGINEER-CERTIFIED DRAWINGS SUCH SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROFESSIONAL INSTALLATION.



# PLUMBING PLAN

HUNGRY HOWIES PIZZA SC: 1/4" = 1'-0"



HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

## PLUMBING PLAN

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1	MAR. 26, 2018
2	JUNE 12, 2018
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LAKE COUNTY BUILDING SERVICES  
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DATE: 06-12-2018  
SHEET NUMBER: P1.0

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# GENERAL MECHANICAL NOTES

- CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR ALL EQUIPMENT FURNISHED.
- BEFORE FABRICATION, VERIFY AND COORDINATE ALL DIMENSIONS IN FIELD.
- VERIFY WITH ELECTRICAL CONTRACTOR BEFORE ORDERING.
- ALL DUCTS SHALL BE GROUNDED ACROSS FLEXIBLE CONNECTIONS.
- PROVIDE ACCESS PANELS FOR ACCESS TO DEFLECTING DEVICES IN DUCT.
- DUCT SIZES AND OPENINGS THRU ROOF SLABS AND WALL PARTITIONS SHALL SUIT EQUIPMENT FURNISHED.
- COORDINATE DIFFUSER AND REGISTER LOCATIONS WITH ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL REFLECTED CEILING PLANS.
- DUCTWORK LOCATIONS AND CLEARANCES SHALL BE COORDINATED WITH PLUMBING PLANS.
- LOCATE THERMOSTAT 4'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
- ALL EQUIPMENT, DUCTWORK, ETC. SHALL BE SUPPORTED AS DETAILED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE RIGID INSTALLATION.
- INSIDES OF DUCT VISIBLE THROUGH GRILLES, REGISTERS OR DIFFUSERS SHALL BE PAINTED FLAT BLACK.
- ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCT AND PIPING (INCLUDING DIVIDED DUCT) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.
- CONDENSATE DRAINS FROM AIR HANDLING UNITS SHALL BE COORDINATED WITH PLUMBING PLANS FOR PROPER DRAINAGE TO SUIT EQUIPMENT FURNISHED. ROUTE TO STORM DRAIN OR TO FRENCH DRAIN MEASURING MIN. 24" DIAM. BY 24" DEPTH. CONDENSATE LINE TO EXTEND MIN. 6" DEEP INTO FRENCH DRAIN A SECONDARY DRAIN OR AUXILIARY DRAIN PAN SHALL BE REQUIRED FOR EACH COOLING OR EVAPORATOR COIL OR FUEL-FIRED APPLIANCE THAT PRODUCES CONDENSATE, WHERE DAMAGE TO ANY BUILDING COMPONENTS WILL OCCUR AS A RESULT OF OVERFLOW FROM THE EQUIPMENT DRAIN PAN OR STOPPAGE IN THE CONDENSATE DRAIN PIPING.
- ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION AND MAINTENANCE OF ALL FANS, DAMPERS, AND MECHANICAL EQUIPMENT.
- PROVIDE SMOKE DETECTORS IN SUPPLY SIDE OF THE SYSTEM PRIOR TO ANY BRANCH CONNECTIONS AS PER NFPA 90A.
- PROVIDE CEILING MOUNTED AUDIO / VISUAL ALARMS, IN OCCUPIED SPACE, CONNECTED BRANCH CONNECTIONS AS PER NFPA 90A.
- ALL MECHANICAL HVAC SHALL BE INSTALLED PER NFPA 90A
- INSTALL BACKDRAFT DAMPERS, VOLUME DAMPERS, INSECT SCREENS, AND APPROVED WEATHER PROOF WALL LOUVERS ON ALL OUTSIDE AIR INTAKES.
- ALL CONDENSATE DRAINS SHALL COMPLY WITH FBC-M 307.2.3.
- ALL OPERATION AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER AND SHALL BE AVAILABLE TO BUILDING OFFICIALS UPON REQUEST.
- A DUCT LEAKAGE TEST, ADJUST AND BALANCE SHALL BE COMPLETED PER FBC-EC 503.2.9.1 WHEN TOTAL CONDITIONED SPACE EXCEEDS 5000 S.F. IF REQUIRED THE CONTRACTOR SHALL PROVIDE THE BUILDING DEPARTMENT OR INSPECTOR A LETTER OF ACCEPTANCE FROM THE OWNER/ENGINEER PRIOR TO OBTAINING THE FINAL INSPECTION
- EACH THERMOSTAT, AIR HANDLER AND CONDENSER SHALL BE PERMANENTLY IDENTIFIED SUCH THAT THE AREA SERVED IS READILY IDENTIFIED AND IN COMPLIANCE WITH FBC-M 304.12

## FRESH AIR CALCULATIONS

FBCM TABLE 403.3  
FOOD AND BEVERAGE SERVICE / FAST FOOD  
Rp = 7.5 CFM / PERSON  
Ra = 0.18 CFM / S.F.

TOTAL FRESH AIR  
1,225 S.F. x 0.18 CFM / S.F. = 221 CFM  
32 PEOPLE x 7.5 CFM PER A PERSON = 240 CFM  
TOTAL FRESH AIR REQUIRED = 221 + 240 = 461 CFM/3 = 154 PER UNIT (7" F.A. INTAKE PER UNIT)

## RESTROOM EXHAUST

100 CFM PER FIXTURE  
2 FIXTURES TOTAL  
200 CFM TOTAL RESTROOM EXHAUST

## HVAC UNIT LIST

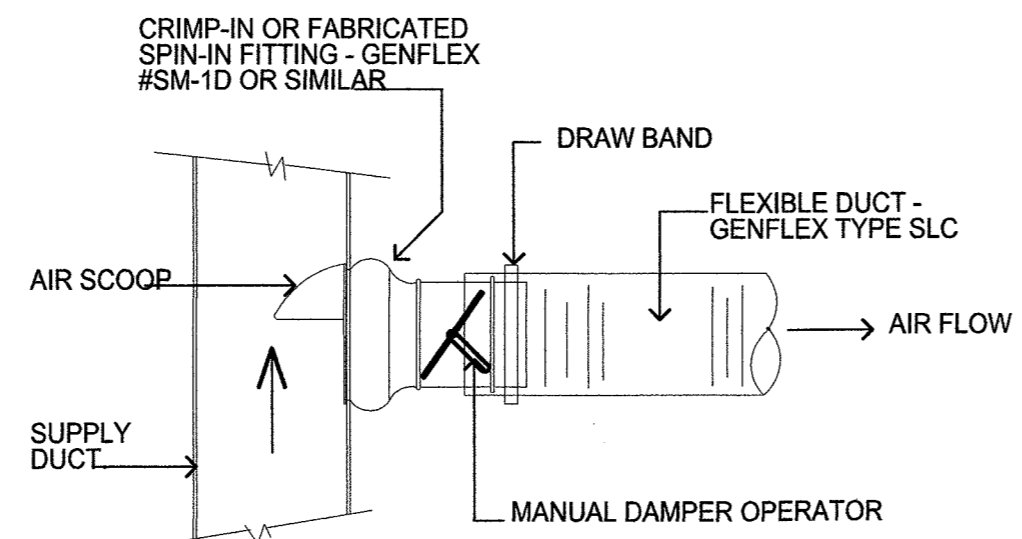
UNIT 1	UNIT 2	UNIT 3
(5 TON) RTU	(5 TON) RTU	(5 TON) RTU
PROVIDE 5KW HEAT STRIP AND THERMO. W/ HUMIDITY CONTROL	PROVIDE 5KW HEAT STRIP AND THERMO. W/ HUMIDITY CONTROL	PROVIDE 5KW HEAT STRIP AND THERMO. W/ HUMIDITY CONTROL

AIR HANDLER AND HEAT PUMP UNITS AS SPECIFIED ABOVE, OR EQUIVALENT SPECIFICATION FROM ALTERNATE MANUFACTURER (WITH THE SAME POWER REQUIREMENTS) ALL UNITS SHALL BE 13 SEER MINIMUM

DUCT SIZES SHOWN REPRESENT REQUIRED SIZE NEEDED FOR AIR FLOW. ALTERNATE SIZED DUCTS THAT ALLOW THE SAME AIR FLOW WILL BE ALLOWED. MECHANICAL CONTRACTOR TO VERIFY ALL DUCT SIZES PRIOR TO COMMENCEMENT OF WORK AND SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

## MECHANICAL KEY NOTES

- 22" X 30" ACCESS HATCH AT LOWERED CEILING / MECHANICAL PLATFORM
- FAF-1: FRESH AIR INTAKE. FAN WIRE TO 0, SENSORS.
- DIRECT RETURN AIR GRILL BELOW HVAC UNIT. 18" X 18" DIRECT UNIT DUCT. DAMPER TO BALANCE AIR FLOW.
- KITCHEN EXHAUST HOOD, FRESH AIR, FIRE SUPPRESSION SYSTEM, FANS, ETC., IS DIAGRAMMATIC ONLY. THE RESPECTIVE ELECTRICAL, MECHANICAL, AND PLUMBING SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING FLORIDA ENGINEER-CERTIFIED DRAWINGS. SUCH SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROFESSIONAL INSTALLATION.

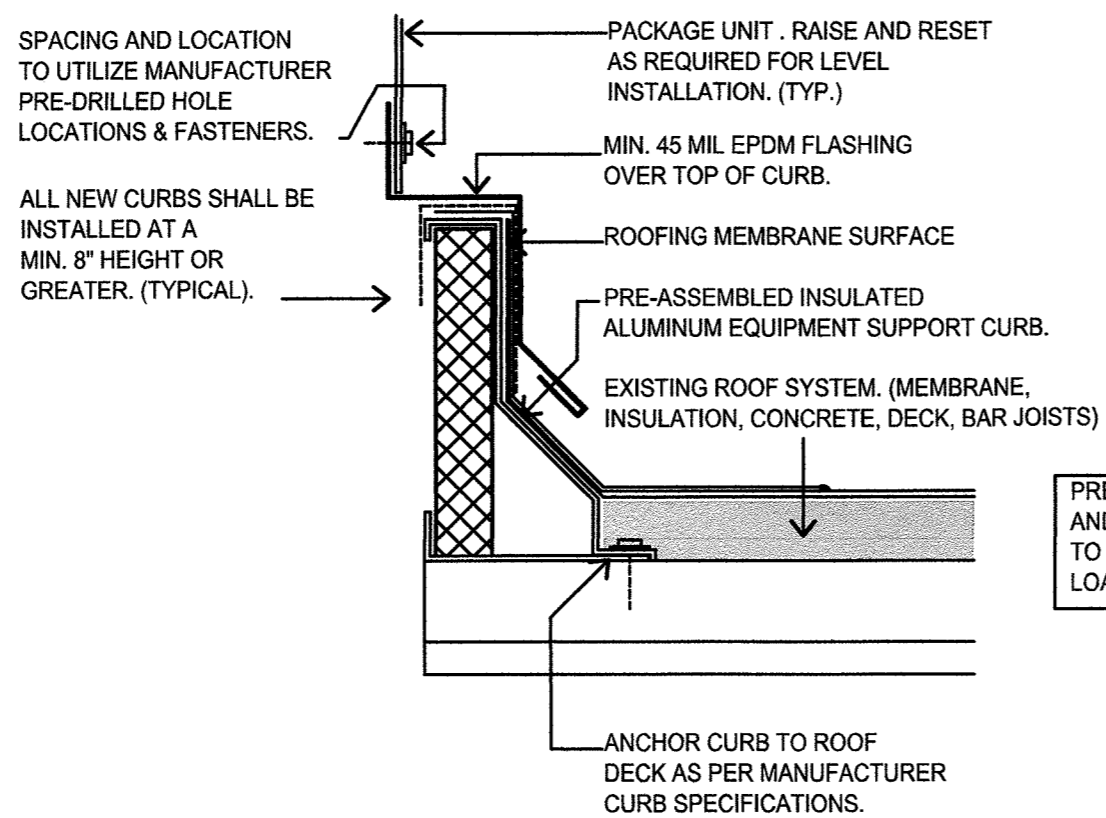


NOTE: MAXIMUM LENGTH OF FLEXIBLE DUCT IS 14'-0"

## TYP. FLEX DUCT CONNECTION

1  
M1.0

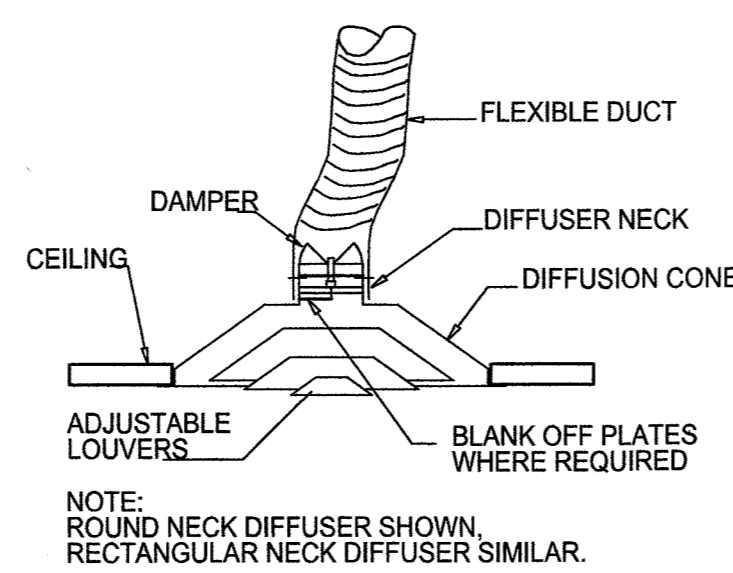
N.T.S



## MOUNTING DETAIL

2  
M1.0

N.T.S



## DIFFUSER MOUNTING DETAIL

3  
M1.0

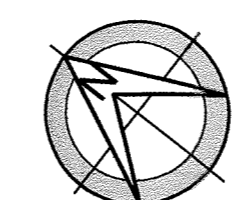
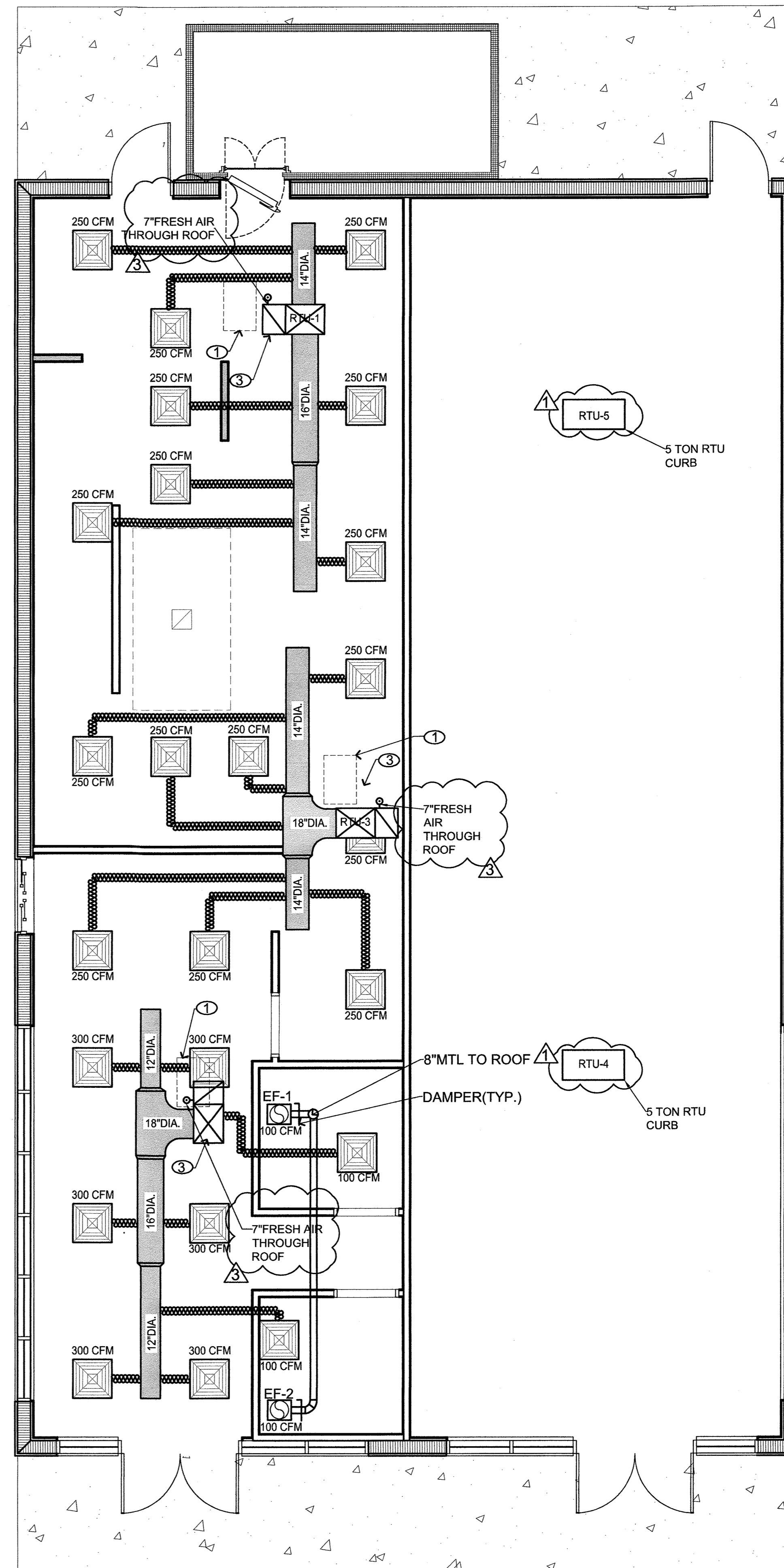
N.T.S

## MECHANICAL SYMBOLS LEGEND

	SUPPLY AIR DUCT		SUPPLY AIR REGISTER (CEILING MOUNTED)
	RETURN AIR DUCT		EXHAUST FAN (CEILING MOUNTED)
	FLEXIBLE DUCT (8" TYP.)		
	FRESH AIR INTAKE		

### FLEX DUCT SIZING GUIDE

AIR FLOW	DUCT SIZE
0-115 CFM	6" DIAM.
116-215 CFM	8" DIAM.
216-400 CFM	10" DIAM.
14'-0" MAX. FLEX DUCT LENGTH	



## MECHANICAL PLAN

HUNGRY HOWIES PIZZA

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

LAKE COUNTY BUILDING SERVICES  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code, in accordance with Section 107. Plans were reviewed for code compliance and shall be kept on job site.

HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

MECHANICAL PLAN

CONN ARCHITECTS  
ASSOCIATES  
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DATE FEB. 13, 2018  
DRAWN BY ADC  
REVISED  
MAR. 26, 2018  
JUNE 12, 2018

JOB NO. 17-265

DATE 06-12-2018  
SHEET NUMBER M1.0

RECEIVED JUN 21 2018

# GENERAL ELECTRICAL NOTES

- ALL WIRING SHALL BE IN ACCORDANCE WITH THE 2017 EDITION OF THE FLORIDA BUILDING CODE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE, THE 2017 EDITION OF THE FLORIDA FIRE PREVENTION CODE, THE LATEST EDITION OF NFPA 72, NATIONAL FIRE ALARM CODE, AND THE FOLLOWING DESIGN CRITERIA:
- THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING PERMITS FOR THIS CONSTRUCTION AND SCHEDULING APPROPRIATE INSPECTIONS DURING CONSTRUCTION WITH ALL AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL FURNISH OWNER WITH AN INSPECTION CERTIFICATE FROM ALL INSPECTORS HAVING JURISDICTION.
- THE CONTRACTOR SHALL CONTACT THE CITY OF WINTER HAVEN ELECTRICAL UTILITY DEPARTMENT PRIOR TO COMMENCING WORK, IN ORDER TO DETERMINE COSTS ASSOCIATED WITH THE ELECTRICAL SERVICE. ALL SUCH COSTS ARE TO BE COVERED BY CONTRACTOR.
- THE CONTRACTOR SHALL BE LICENSED BY THE STATE OF FLORIDA ACCORDING TO FS 489.
- CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY FOR METERING AND SERVICE CONNECTION REQUIREMENTS PRIOR TO COMMENCING WORK.
- ALL MATERIAL AND EQUIPMENT SHALL BEAR A LABEL OF APPROVAL FROM A NATIONALLY RECOGNIZED ELECTRICAL TESTING LABORATORY.
- ALL WIRE TO BE COPPER, THWN, THHN OR XHHW. MINIMUM WIRE SIZE IS #12 THHN CU UNLESS OTHERWISE NOTED.
- NO CONDUIT IS TO BE INSTALLED ON EXTERIOR OF THE BUILDING.
- ENT OF "SMURF" TUBING, AND MC CABLE ARE APPROVED WHEN USED AS PER NEC. PERFERED CONDUIT SHALL BE EMT, IMC OR PVC FOR UNDERGROUND AND UNDERSLAB INSTALLATIONS.
- CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- ELECTRICAL EQUIPMENT AND CONDUIT SHALL BE CONCEALED OR RECESSED AND INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- ANY CONDUIT PENETRATING THE ROOF OR WALLS SHALL HAVE WATER-TIGHT FLASHING, AND PAINT TO RESTORE PENETRATION TO ORIGINAL CONDITION AND APPEARANCE. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN LOCATIONS OF DIFFUSERS AND LIGHTING FIXTURES. COORDINATE WITH OTHER TRADES TO PROVIDE ALL NEEDED ELECTRICAL SERVICE.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CONTROL WIRING FOR ALL HVAC SYSTEMS. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER SOURCE FOR ALL CONTROL SYSTEMS.
- CONTRACTOR SHALL VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGH IN SWITCHES AND SHALL VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF COUNTER TOPS, BACKSPASHES AND EQUIPMENT LOCATION ON ARCHITECTURAL DETAILS AND/OR EQUIPMENT AND CASEWORK SHOP DRAWINGS AND SHALL ADJUST SPECIFIED MOUNTING HEIGHTS OF WALL OUTLETS, RECEPTACLES AT COUNTERS, AND J-BOXES AS REQUIRED TO BEST SERVE EQUIPMENT. VERIFY WIRING REQUIREMENTS TO ALL EQUIPMENT.
- CONTRACTOR SHALL CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN. SUPPORT OF ALL LIGHTING FIXTURES SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- ALL NEW FLUORESCENT FIXTURES SHALL BE EQUIPPED WITH ENERGY CONSERVING LAMPS AND ELECTRONIC BALLASTS. THD SHALL NOT EXCEED 10 PERCENT.
- EACH PANEL IS TO BE FURNISHED WITH A TYPED DIRECTORY WITH SPECIFIC ROOM NAMES.
- ALL CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE HACR RATED. PROVIDE PROPER CLEARANCE SPACE TO COMPLY WITH NEC 110-26.
- KITCHEN RECEPTACLE CIRCUITS IN KITCHENS SHALL HAVE ONLY 2 RECEPTACLES PER 20 AMP CIRCUIT LIGHTING CIRCUITS ARE TO HAVE A MAXIMUM 1500 WATTS CONNECTED LOAD. RECEPTACLE CIRCUITS, OTHER THAN THE KITCHEN RECEPTACLES, ARE TO HAVE A MAXIMUM OF 7 RECEPTACLES PER CIRCUIT.
- ANY DAMAGE TO THE BUILDING OR EQUIPMENT BY ELECTRICAL WORKERS SHALL BE REPAIRED BY WORKERS SKILLED IN THIS TYPE OF WORK AT NO EXPENSE TO THE OWNER.
- EACH PANELBOARD AND DISCONNECTING MEANS SHALL BE MARKED TO INDICATE ITS PURPOSE AND OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED PER NEC 110.22.
- INSTALL PANELBOARD AND DISCONNECTS SO TO PROVIDE A 30" WIDE BY 3-1/2" DEEP CLEAR WORKING SPACE IN FRONT OF THE EQUIPMENT.
- PROVIDE A DISCONNECTING MEANS FOR EACH WATER HEATER PER FPC 504.4
- ALL BRANCH CIRCUIT HOMERUNS OVER 100 FEET SHALL BE #10 THHN CU.
- ALL BOXES TO BE A 4" SQUARE METAL BOX WITH APPROPRIATE RING AND BONDING JUMPER.
- THE MAXIMUM GAP AROUND ANY RECESSED BOX SHALL NOT EXCEED 1/8" AND THE MAXIMUM SETBACK SHALL NOT EXCEED 1/4".
- ALL WIRING DEVICES SHALL BE TERMINATED AT THE SCREW ACCORDING TO WIRE WRAP REQUIREMENTS OF THE NEC. THE PUSH IN TERMINATIONS SHALL NOT BE USED.
- SWITCH BOXES SHALL BE INSTALLED 48" TOP OF BOX AND RECEPTACLE BOXES INSTALLED AT 16" BOTTOM OF BOX.
- EMT CONDUIT SHALL BE SUPPORTED EVERY 10 FEET AND WITHIN 3' OF EACH TERMINATION POINT PER NEC 358.30.
- STAGGER BACK TO BACK WALL BOXES IN ALL WALLS BY AT LEAST ONE STUD.
- PVC CONDUIT SHALL BE AT LEAST 12" UNDER SIDEWALKS AND 24" UNDER PARKING LOTS AND DRIVEWAYS.
- UNDERGROUND SERVICE CONDUCTORS SHALL BE MARKED WITH A WARNING RIBBON AT LEAST 12" ABOVE THE CONDUIT PER NEC 300.5(3).
- ALL ELECTRICAL EQUIPMENT IN VICINITY OF GAS CYLINDERS SHALL BE AT 60" AFF PER NFPA 99
- VOLTAGE DROP SHALL NOT EXCEED 2% AND 5% TOTAL.
- COORDINATE TELEPHONE AND CABLE SERVICE INSTALLATION. INSTALL 2" PVC CONDUIT WITH PULL STRING FOR EACH SERVICE.
- PROVIDE OPERATING AND INSTALLATION INSTRUCTIONS TO THE OWNER FOR ALL INSTALLED EQUIPMENT.
- FS BOXES ARE NOT APPROVED AS A SUPPORT FOR A GRADE MOUNTED LIGHT FIXTURE.
- INSTALL A NEUTRAL TO ALL SWITCH BOXES.
- ALL RECEPTACLES INSTALL OUTSIDE SHALL BE SUNLIGHT RATED.
- CONFIRM MAXIMUM AVAILABLE FAULT CURRENT IS MARKED ON SERVICE EQUIPMENT.
- SEAL ALL INCOMING RACEWAYS IN ACCORDANCE WITH 300.5(G).
- INSTALL BONDING BUSHINGS AND JUMPERS WHERE REDUCING WASHERS ON CONCENTRIC OR ECCENTRIC KNOCKOUTS ARE USED.

## SYMBOL LEGEND

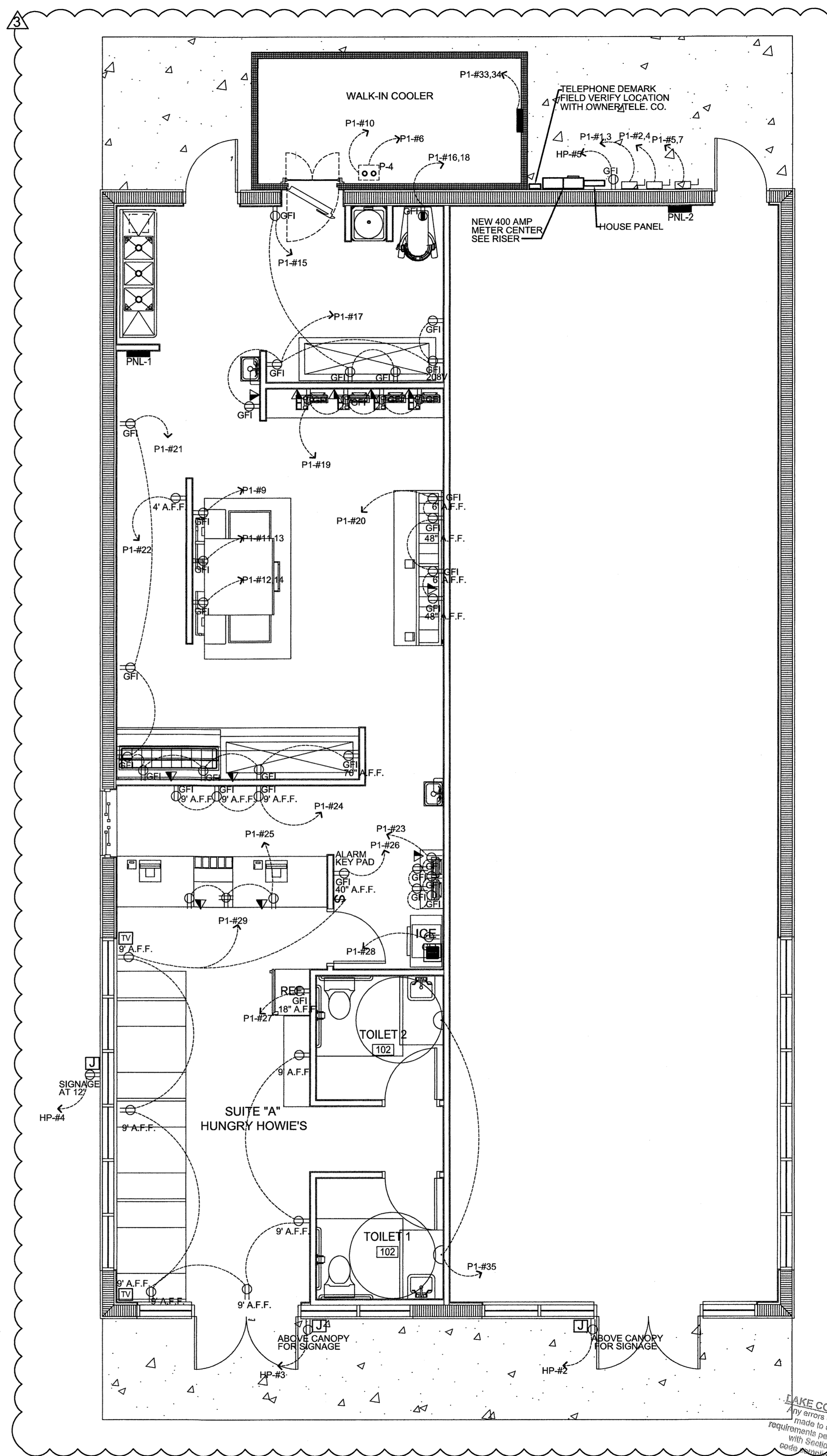
SYMBOL	DESCRIPTION
	WALL-MOUNTED OR RECESSED INCANDESCENT, FLUORESCENT, OR HID FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULE FOR TYPE AND MOUNTING.
	FLUSH-MOUNTED SINGLE POLE SWITCH. MOUNT AT 48" A.F.F., WITHIN 4" OF DOOR FRAME, LOCK-SET SIDE. SUBSCRIPT 3 INDICATES THREE-WAY SWITCH.
	FLUSH-MOUNTED CONVENIENCE RECEPTACLE WITH GROUND, NEMA 5-20. MOUNT AT 18" A.F.F. OR AS NOTED. (WP=WEATHERPROOF, GFI=CONNECTED TO GND. FAULT INTERRUPT CKT.)
	DUPLX RECEPTACLE, 44" A.F.F. OR 6" ABOVE COUNTER. TURN HORIZONTAL.
	DOUBLE DUPLX RECEPTACLE
	DISCONNECT SWITCH. SIZED AND NUMBER OF POLES AS SHOWN OR TO CONNECTED LOAD IN ACCORDANCE WITH NEC. SWITCH TO BE SQUARE D QUICK-MAKE, QUICK-BREAK TYPE, NEMA 3R FOR EXTERIOR.
	EXHAUST FAN. VENT TO OUTSIDE THRU METAL DUCT. SWITCH WITH LIGHTS IN SAME ROOM, OR AS SHOWN ON PLANS. COORD. W/ MECHANICAL PLAN.
	ILLUMINATED EXIT SIGN. ARROWS INDICATE DIRECTION TO EXIT. REFER TO LIGHTING FIXTURE SCHEDULE FOR TYPE AND MOUNTING.
	EMERGENCY EGRESS LIGHT WITH BATTERY BACK-UP. COORD. W/ LIGHTING LIGHTING FIXTURE SCHEDULE FOR TYPE AND MOUNTING.
	ELECTRICAL PANEL.
	THERMOSTAT LOCATED AT 4'-0" A.F.F.
	PRE-WIRED CABLE TV OUTLET W/ CABLE. COORDINATE LOCATIONS W/ TENANT.
	WALL OR CEILING MOUNTED, SMOKE DETECTOR PER CODE.
	JUNCTION BOX
	COMMUNICATIONS/DATA (C/D) OUTLET. MOUNT AT 18" A.F.F. PROVIDE EMPTY 4"x4" DEVICE BOX. PROVIDE 1" C. RUN CONDUIT AND CAT 6 WIRE TO PHONE TABLE AND TURN INTO CEILING SPACE. OWNER TO PROVIDE COMMUNICATIONS/DATA CONDUCTORS AND EQUIPMENT. CONTRACTOR TO PROVIDE PULL LINE AND END BUSHINGS. (C = 6" ABOVE COUNTERTOP)
	ELECTRIC WATER HEATER. COORD. W/ PLUMBING PLANS.
	HVAC UNIT. COORD. W/ MECHANICAL PLAN. AND HVAC CONTRACTOR

ALL KITCHEN OUTLETS SHALL BE GFI  
ALL DATA WIRING SHALL BE RAN IN CONDUIT

### ELECTRICAL KEY NOTES

- AHU 1 W/ DISCONNECT AT LOWERED CEILING
- ELECTRIC WATER HEATER W/ DISCONNECT AT LOWERED CEILING / MECHANICAL PLATFORM ABOVE
- 22" X 30" ACCESS HATCH AT LOWERED CEILING / MECHANICAL PLATFORM. COORD. W/ MECHANICAL PLAN

THE KITCHEN EQUIPMENT PLANS, INCLUDING THE KITCHEN EXHAUST HOOD, FRESH AIR, FIRE SUPPRESSION SYSTEM, FANS, ETC., IS DIAGRAMMATIC ONLY. THE RESPECTIVE ELECTRICAL, MECHANICAL, AND PLUMBING SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING FLORIDA ENGINEER-CERTIFIED DRAWINGS SUCH SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROFESSIONAL INSTALLATION.



## ELECTRICAL PLAN

HUNGRY HOWIES PIZZA

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

LAKE COUNTY BUILDING SERVICES  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code in accordance with Section 07. Plans were reviewed for code compliance and shall be kept on job site.

HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

ELECTRICAL PLAN

**CONN ARCHITECTS**  
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DATE: FEB. 13, 2018  
DRAWN BY: ADC  
REVISIONS:  
▲ MAR. 26, 2018  
▲ JUNE 12, 2018

SHEET NO.: 17-265

DATE: 06-12-2018  
SHEET NUMBER: E1.0

RECEIVED JUN 21 2018



PANEL	1	MAIN BREAKER RATINGS, Amps		120/208			MOUNTING ENCLOSURE LOCATION	FLUSH NEMA 3R SERVER RM			
		SUB FEED BREAKER, Amps		3 PHASE 4 WIRE							
TYPE	NEW	MAINS		MLO			FED FROM	P-1			
OKT #	BREAKER	LOAD DESCRIPTION	WIRE SIZE	OKT KVA	Load (kVA)			BREAKER	OKT #		
					A	B	C				
1	602	RTU-1	8	4.5	9	9	4.5	6	RTU-2	602	2
3	-	-	6	4.5	6	6	4.5	6	-	-	4
5	602	RTU-3	6	4.5	6	6	4.5	6	TANKLESS WATER HEATER	201	6
7	-	-	6	4.5	8.5	8.5	4.7	12	SPARE	201	8
9	201	PIZZA HOOD ELECT. REQ.	12	2.2	2.8	2.8	0.6	12	IGNITER FOR GAS HWH	201	10
11	202	GAS OVEN ELECT. REQ.	12	0.5	1.0	1.0	0.5	12	GAS OVEN ELECT. REQ.	202	12
13	-	-	12	0.5	1.0	1.0	0.5	12	-	-	14
15	201	RECEPTACLE	12	0.5	4.0	4.0	3.5	10	MIXER	302	16
17	201	RECEPTACLE	12	0.7	4.2	4.2	3.5	10	-	-	18
19	201	PHONE TABLE	12	0.7	1.1	1.1	0.4	12	RECEPTACLE	201	20
21	201	RECEPTACLE	12	1.3	1.5	1.5	0.2	12	RECEPTACLE	201	22
23	201	BUSY WALL RECEPTACLE	12	0.9	1.4	1.4	0.5	12	MENU TV RECEPTACLE	201	24
25	201	RECEPTACLE	12	0.5	0.7	0.7	0.2	12	ALARM KEY PAD	201	26
27	201	REFRIGERATOR	12	2	3.7	3.7	3.5	12	ICE MACHINE	201	28
29	201	RECEPTACLE	12	1.1	1.4	1.4	0.3	12	LIGHTING	201	30
31	201	LIGHTING	12	1.6	3.2	3.2	1.6	12	LIGHTING	201	32
33	201	WALK-IN-COOLER COND.	12	2.2	4.8	4.8	2.6	12	WALK-IN-COOLER EVAP.	201	34
35	201	HAND DRYER	12	3.0	3.0	3.0			SPARE	201	36
37	201	SPARE							SPARE	201	38
39	201	SPARE							SPARE	201	40
41										201	42
				A	B	C	TOTAL CONNECTED				
				23.5	25.8	15.7	65,000 VA 180.6 AMPS				

MAX FAULT CURRENT?

GROUNDING CONDUCTOR SIZES:	
CIRCUIT BREAKER (NOT OVER LISTED AMPS)	WIRE SIZE (COPPER, CU)
10 & 15	14
20	12
25, 30, 40, 50, & 60	10
100	8
125, 150, & 200	6
225, 300	4

CONDUCTOR SIZES:		
CIRCUIT BREAKER (NOT OVER LISTED AMPS)	WIRE SIZE (COPPER, CU)	MAX AMPS
15	12	12
20	12	16
25	10	20
30	10	24
40	8	32
50	6	40
60	6	48
100	3	80
125	1	100

AS PER NEC 2014 ARTICLE 334 - NONMETALLIC-SHEATHED CABLE - BRANCH CIRCUITS SHALL NOT BE REQUIRED TO BE IN CONDUITS

**LOAD CALCULATION**

**BUILDING LOAD CALCULATIONS - PANEL 1**

LOADS CALCULATED IN ACCORDANCE WITH NEC 2014, ARTICLE 220

LIGHTING LOAD (3,500 X 1.25)	=	4,375 VA
RTU (HEATING / COOLING) 27.0	=	27,000 VA
TANKLESS WATER HEATER 0.2	=	200 VA
RECEPTACLES (1ST 10 KVA @100%)	=	10,000 VA
RECEPTACLES (REMAINING @50%)	=	10,150 VA
<b>TOTAL:</b>	=	<b>51,725 VA</b>

248.68 AMPS = 248.68 AMPS / 1.73 (3-PHASE) = 143.75 AMPS

208 51,725 VA

AMP CALCULATION = 143.75 AMPS

**TOTAL LOAD: 200A PANEL > 143.75A LOADING = OK**

PANEL	HP	MAIN BREAKER RATINGS, Amps		120/208			MOUNTING ENCLOSURE LOCATION	FLUSH NEMA 3R SERVER RM			
		SUB FEED BREAKER, Amps		3 PHASE 4 WIRE							
TYPE	NEW	MAINS		MLO			FED FROM	P-1			
OKT #	BREAKER	LOAD DESCRIPTION	WIRE SIZE	OKT KVA	Load (kVA)			BREAKER	OKT #		
					A	B	C				
1	201	EXTERIOR LIGHTS	12	2.0	6.2	6.2	4.2	12	SIGNAGE	201	2
3	201	SIGNAGE	12	4.2	8.4	8.4	4.2	12	SIGNAGE	201	4
5	201	EXTERIOR RECEPTACLE	12	0.2	0.2	0.2	0.2	12			6
7											8
9											10
11											12
13											14
15											16
17											18
19											20
21											22
23											24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42
				A	B	C	TOTAL CONNECTED				
				6.2	8.4	0.2	14,800 VA 41.1 AMPS				

**LOAD CALCULATION**

**BUILDING LOAD CALCULATIONS - PANEL HP**

LOADS CALCULATED IN ACCORDANCE WITH NEC 2014, ARTICLE 220

LIGHTING LOAD (2,000 X 1.25)	=	2,500 VA
RECEPTACLES (1ST 10 KVA @100%)	=	200 VA
SIGNAGE	=	12,600 VA
<b>TOTAL:</b>	=	<b>15,300 VA</b>

73.56 AMPS = 73.56 AMPS / 1.73 (3-PHASE) = 42.5 AMPS

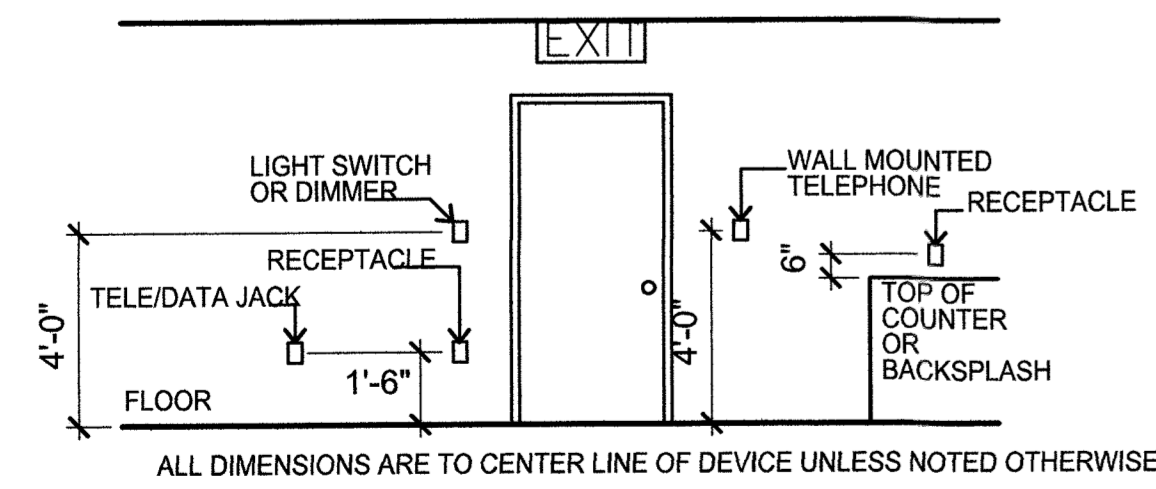
208 15,300 VA

AMP CALCULATION = 42.5 AMPS

**TOTAL LOAD: 100A PANEL > 42.5A LOADING = OK**

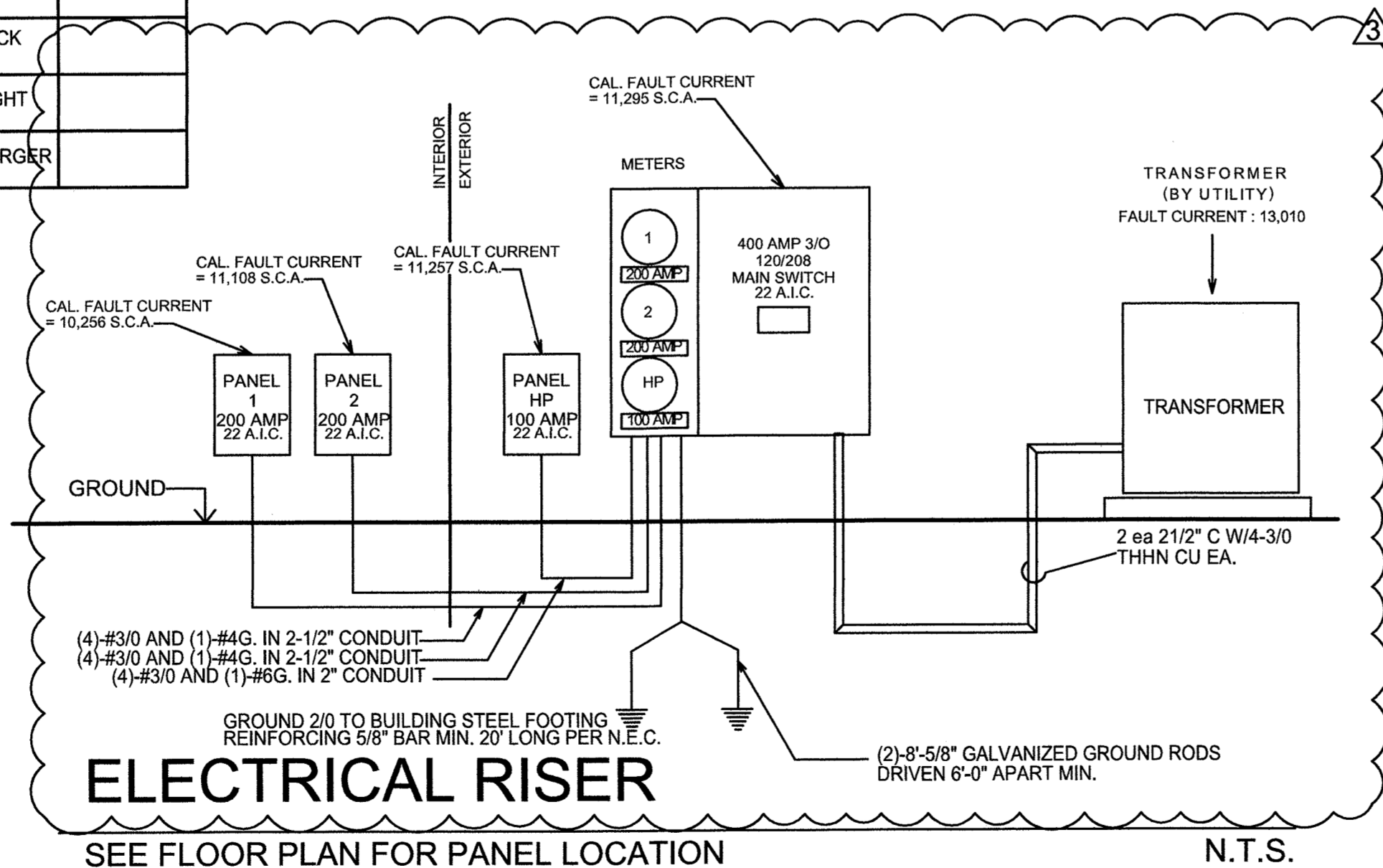
**LIGHTING FIXTURE SCHEDULE**

SYMBOL	MANUFACTURER AND MODEL #	LAMPS (SEE NOTE #1)				MOUNTING	REMARKS
		TYPE	NO.	WATTS	VOLTS		
□	LITHONIA 2X4 GRID MOUNT FLUORESCENT FIXTURE	LED	--	32	120	RECESSED	
⚡	LITHONIA TITAN SERIES EMERGENCY	KRYPTON	--	33	120	7'-2" A.F.F.	BATT. & CHARGER
⌈	TAMLIGHT WALL PACK MODEL# MPFLLED805KS	LED	--	80	--	--	WALL PACK
○	LITHONIA DOWN LIGHT	LED	--	100	--	--	DOWN LIGHT
⊗	LITHONIA EXIT LIGHT	LED	--	1.4	120	--	BATT. & CHARGER



**TYPICAL MOUNTING DETAILS**

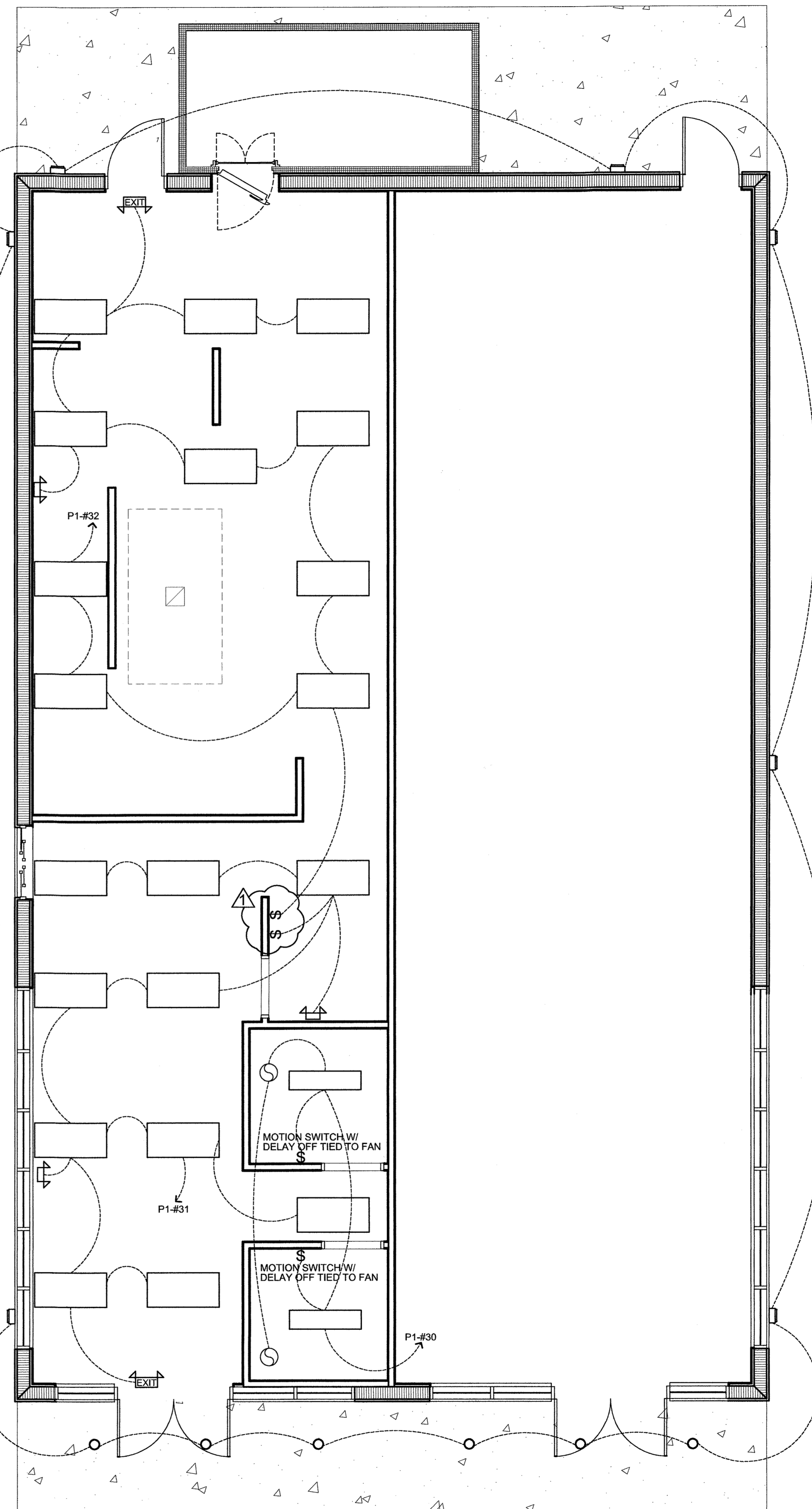
N.T.S.



THE KITCHEN EQUIPMENT PLANS, INCLUDING THE KITCHEN EXHAUST HOOD, FRESH AIR, FIRE SUPPRESSION SYSTEM, FANS, ETC., IS DIAGRAMMATIC ONLY. THE RESPECTIVE ELECTRICAL, MECHANICAL, AND PLUMBING SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING FLORIDA ENGINEER-CERTIFIED DRAWINGS SUCH SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROFESSIONAL INSTALLATION.

**GENERAL NOTES**

- REFER TO SHEET E1.1 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL KEY NOTES AND SYMBOLS LEGEND.



**LIGHTING PLAN**

HUNGRY HOWIES PIZZA SC: 1/4" = 1'-0"

RECEIVED JUN 21 2018

HUNGRY HOWIES PIZZA AND SHELL CONSTRUCTION  
3872027 SUNRISE PLAZA DR., CLERMONT, FLORIDA

LIGHTING PLAN

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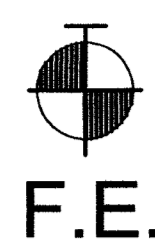
DATE: FEB. 13, 2018  
DRAWN BY: ADC  
REVISOR: MAR. 26, 2018  
JUNE 12, 2018

17-265

DATE: 06-12-2018  
SHEET NUMBER: E1.1

LAKE COUNTY BUILDING SERVICES  
Any errors or omissions in these plans shall be made to conform with the applicable code requirements per Florida Building Code, in accordance with Section 107. Plans were reviewed for code compliance and shall be kept on job site.

### FIRE EXTINGUISHER



1 FIRE EXTINGUISHER PER 3,000 SQ.FT.  
 1,225/ 3,000 = 1 FIRE EXTINGUISHERS MINIMUM REQUIRED.  
 SEE OVERALL PLANS FOR LOCATION OF 2A10BC (MIN.) FIRE EXTINGUISHER.  
 PLACE AS PLAN INDICATES OR ALONG PATH OF TRAVEL  
 DISPERSED EVENLY ACROSS BUILDING.

### OCCUPANCY CLASSIFICATION - NEW BUSINESS

REFER TO CHAPTER 38 ( NEW BUSINESS OCCUPANCIES )  
 1 EXITS REQUIRED, PER F.F.P.C. 38.2.4.3 2 EXITS PROVIDED

### OCCUPANT LOAD

TOTAL AREA -	1,225 S.F.
UN-CONCENTRATED ( TABLES AND CHAIRS )-15 NET	$\frac{419 \text{ SQ. FT.}}{15} = 27.9=28$
BUSINESS AREA	$\frac{67 \text{ SQ. FT.}}{100} = .67=1$
KITCHENS	$\frac{582 \text{ SQ. FT.}}{200} = 2.91=3$
<b>TOTAL OCCUPANT LOAD =</b>	<b>32 PEOPLE</b>

### EMERGENCY EGRESS

#### REQUIRED EMERGENCY EGRESS CAPACITY

AT LEVEL EXIT COMPONENTS AND RAMPS -  
 0.2" EGRESS WIDTH PER PERSON (NEW BUSINESS - TABLE 7.3.3.1,  
 NFPA 101-06 - FLORIDA FIRE PREVENTION CODE, 6th ED.  
 36" MINIMUM CLEAR WIDTH FOR H/C ACCESSIBLE EGRESS

#### PROVIDED EMERGENCY EGRESS

MINIMUM CLEAR CORRIDOR WIDTH - 5'-0" (60")  
 $44.0' / 0.2" = 220$  220 PERSON CAPACITY  
 CLEAR SINGLE DOOR OPENING WIDTH - 3'-0" (36")  
 $34' / 0.2" = 170$  170 PERSON CAPACITY

#### TRAVEL DISTANCE REQUIREMENTS

MAXIMUM TRAVEL DISTANCE TO EXIT = 250 FEET FOR  
 NON-SPRINKLERED BUILDING  
 ACTUAL MAXIMUM TRAVEL DISTANCE TO EXIT  
 APPROXIMATELY 58'-10"

### FIRE PROTECTION NOTES

- SEE COVER SHEET G1.0 FOR PROJECT INFORMATION.
- ALL FIRE AND/OR SMOKE BARRIERS OR WALL SHALL BE EFFECTIVELY PERMANENTLY IDENTIFIED WITH STENCILING ABOVE ANY DECORATIVE CEILING AND/OR IN CONCEALED SPACE WITH LETTERS A MINIMUM OF (2) TWO INCHES HIGH ON A CONTRASTING BACKGROUND SPACED A MAXIMUM OF TWELVE (12) FEET ON CENTER WITH A MINIMUM OF ONE PER WALL OR BARRIER. THE HOURLY FIRE RATING SHALL BE INCLUDED ON ALL RATED BARRIER OR WALLS. REQUIRED WORDING '( ) HOUR FIRE AND SMOKE BARRIER-PROTECT ALL OPENINGS STORAGE ROOMS WHICH ARE SPRINKLERED SHALL HAVE STENCILED 18" BELOW SPRINKLER HEADS A DESIGNATION LINE (RED) WITH THE FOLLOWING NOTE- "NO STORAGE ABOVE LINE".
- THE FIRE EXTINGUISHERS FOR THIS PROJECT A TO BE U.L. RATED 2-A:10-B:C
- THE FIRE EXTINGUISHERS FOR THIS PROJECT A TO BE U.L. RATED CLASS K IN KITCHEN AREA.

#### DOOR SCHEDULE

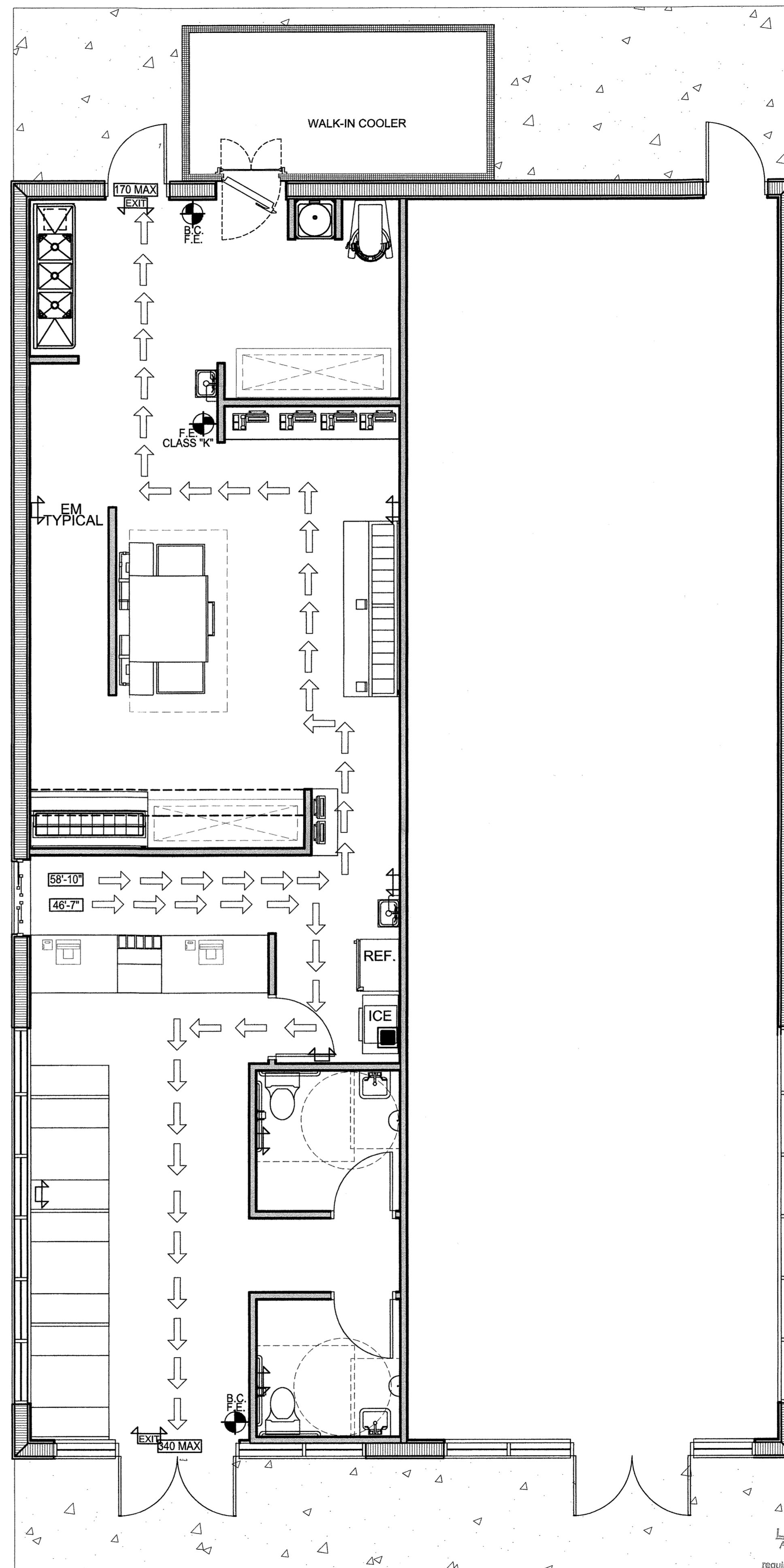
NO.	DOOR TYPE	SIZE	LABEL	FRAME TYPE	FIRE RATE	HARDWARE
100	D	6'-0" X 7'-0"	N/A	ALUM.	N/A	MANUF. STANDARD
101	A	3'-0" X 7'-0"	N/A	H.M.	N/A	2
102	A	3'-0" X 7'-0"	N/A	H.M.	N/A	1
103	C	3'-0" X 7'-0"	N/A	H.M.	N/A	3
104a	D	6'-0" X 7'-0"	N/A	ALUM.	N/A	MANUF. STANDARD
104b	B	3'-0" X 7'-0"	N/A	H.M.	N/A	3

#### HARDWARE SCHEDULE

MARK	QTY	ITEM	MODEL NUMBER	FINISH	MFG.
1	3	HINGES	BB1279 4 1/2 X 4 1/2	US26D	HA
	1	PRIVACY LOCKSET	5K-0R-15-STL-626	US26D	BES
	1	CLOSER	DC3200-A1-626-(RH/LH)-M54	US26D	CR
	1	STOP	236 W	US32D	HA
	3	SILENCERS	307D	GREY	HA
	2	KICKPLATE	190S-8" X 30"	US32D	HA
2	3	HINGES	BB1279 4 1/2 X 4 1/2	US26D	HA
	1	PASSAGE LOCKSET	5K-0-N-15-C-STK-626	US26D	BES
	1	STOP	236 W	US32D	HA
	2	SILENCERS	307D	GREY	HA
	2	KICKPLATE	190S-8" X 30"	US32D	HA
3	3	HINGES	BB1279 4 1/2 X 4 1/2	US26D	HA
	1	PUSH PLATE	2280-150	SATIN NICKEL	BAL
	3	PULL	2355-150	SATIN NICKEL	BAL
	1	DEADBOLT	3114	US26D	HA
	3	SILENCERS	307D	GREY	HA

#### MANUFACTURERS USED:

CODE	MANUFACTURER
HA	HAGER HINGE
BES	BEST ACCESS SYSTEMS
CR	CORBIN RUSWIN
BAL	BALDWIN
VD	VON DUPRIN
DA	DORMA
HES	HES ASSA ABLOY



### LIFE SAFETY PLAN

HUNGRY HOWIES PIZZA SC: 1/4" = 1'-0" RECEIVED JUN 21 2018

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 LIFE SAFETY PLAN

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DATE	FEB. 13, 2018
DRAWN BY	ADC
REVISION	
DATE	JUNE. 12, 2018
SHEET NO.	17-265

DATE: 06-12-2018  
 SHEET NUMBER: LS1.0

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