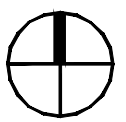
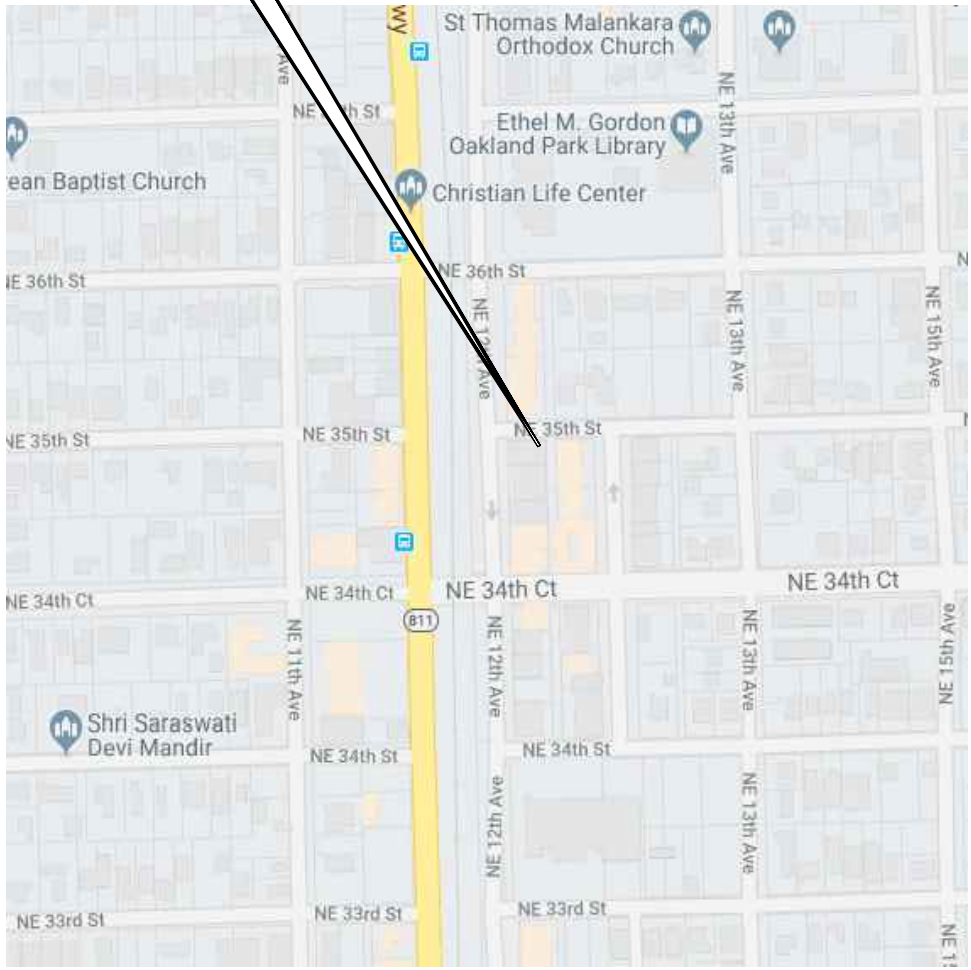
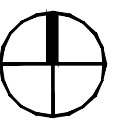


PROJECT
LOCATION

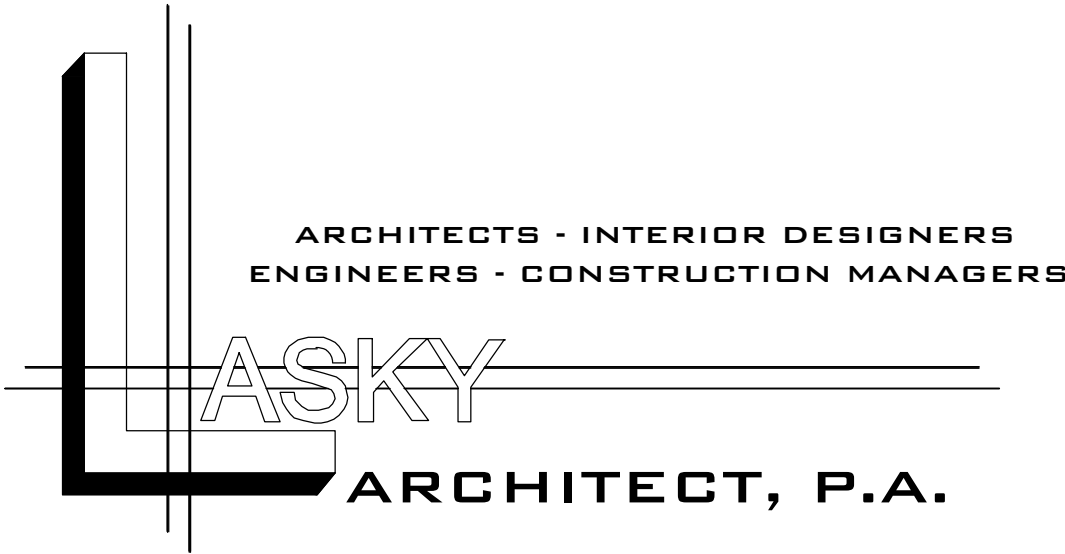


VICINITY MAP
N.T.S.

PROJECT
LOCATION



LOCATION MAP
N.T.S.



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BUTCHER AND BARREL

3580 NE 12TH AVE.
OAKLAND PARK, FL 33334

SHEET INDEX

SHEET NO.	SHEET TITLE	09/17/19 ISSUE DATE	09/19/19 CITY SET
CS-1	COVER SHEET		
CS-2	GENERAL NOTES & TYPICAL DETAILS		
CS-3	ACCESSIBILITY PLAN		
CS-4	UL LISTINGS		
CS-4.1	UL LISTINGS		
LS-1	LIFE SAFETY PLAN		

LEGEND	
●	DENOTES CURRENT SHEET
○	DENOTES SHEET WAS SUPERCEDED

ARCHITECTURAL			
D-1	DEMOLITION PLAN		
A-1	FLOOR PLAN		
A-1.1	FLOOR PLAN		
A-1.2	EQUIPMENT PLAN		
A-2	REFLECTED CEILING PLAN		
A-3	FINISH PLAN		
A-4	EXTERIOR ELEVATIONS		

PLUMBING			
P-1	PLUMBING DETAILS & GENERAL NOTES		
P-2	PLUMBING PLANS & RISERS		

MECHANICAL			
M-1	HVAC PLAN & GENERAL NOTES		
M-2	MECHANICAL DETAILS		

ELECTRICAL			
E-1	PANELS, RISER & GENERAL NOTES		
E-2	LIGHTING, POWER & ROOF PLAN		

HOOD DRAWINGS			

SCOPE OF WORK

TENANT IMPROVEMENT CONSISTING OF THE CONSTRUCTION OF A NEW RESTAURANT AND BAR WITHIN AN EXISTING BUILDING SHELL. TO INCLUDE ALL ELECTRICAL, PLUMBING AND MECHANICAL MODIFICATIONS, INTERIOR PARTITIONS AND EQUIPMENT. PART OF THE SCOPE OF WORK INCLUDES MODIFICATION OF STOREFRONT.

PROJECT DIRECTORY

TENANT	PATRICK LITTLE BUTCHER AND BARREL LLC 1383 NE 38TH ST OAKLAND PARK, FL 33334 PH: (954) 383 - 0546 EMAIL: THEBUTCHERSBARREL@GMAIL.COM
LANDLORD	DAVID BOWLES EMAIL:DAVID@ELITESTAGER.COM PHONE:(954) 857-6302
GOVERNING AGENCIES	CITY OF OAKLAND PARK BUILDING DEPARTMENT ADDRESS: 6399 N DIXIE HWY SUITE #3 OAKLAND PARK, FL 33334 PHONE: (954) 630-4350

CODE INFORMATION

- ☒ 6TH EDITION (2017) - FLORIDA BUILDING CODE
- ☒ 6TH EDITION (2017) - FBC EXISTING BUILDING
- ☒ 6TH EDITION (2017) - FBC ENERGY CONSERVATION
- ☒ 6TH EDITION (2017) - FBC FUEL GAS
- ☒ 6TH EDITION (2017) - FBC PLUMBING
- ☒ 6TH EDITION (2017) - FBC MECHANICAL
- ☒ 6TH EDITION (2017) - FLORIDA ACCESSIBILITY CODE
- ☒ 6TH EDITION (2017) - FLORIDA FIRE PREVENTION CODE
- ☒ 2014 NATIONAL ELECTRICAL CODE
- ☒ NFPA 101 LIFE SAFETY CODE - 2015 EDITION

CLASSIFICATION OF WORK (FIBC, 2017 CHAPTER 5)

- ☐ **ALTERATION LEVEL 1** - ALTERATIONS INCLUDE THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SAVE THE SAME PURPOSE.
- ☒ **ALTERATION LEVEL 2** - ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.
- ☐ **ALTERATION LEVEL 3** - ALTERATIONS APPLY WHERE THE WORK AREA EXCEEDS 50% OF THE AGGREGATE AREA OF THE BUILDING.

BUILDING DESCRIPTION

- NUMBER OF FLOORS IN BUILDING:.....1
- CONSTRUCTION TYPE:.....II-B
- FLOOR(S) OF PROPOSED RENOVATION:.....1
- PREVIOUS OCCUPANCY:.....B
- PROPOSED OCCUPANCY:.....B
- ADJACENT OCCUPANCY (NORTH):.....N/A
- ADJACENT OCCUPANCY (SOUTH):.....B
- REQUIRED SEPARATION OF OCCUPANCY:.....N/A
- EXTERIOR STOREFRONT RENOVATION? ☒ YES ☐ NO
- PROPOSED STRUCTURAL ALTERATIONS? ☒ YES ☐ NO
- ENERGY CALCULATION ATTACHED? ☒ YES ☐ NO
- TOILET FACILITIES PROVIDED? ☒ YES ☐ NO
- EXISTING FIRE SPRINKLERS? ☐ YES ☒ NO

OCCUPANT LOAD CALCULATIONS

TABLE 1004.1.2, FBC 2017, NFPA 101 7.3.1.2

FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR		NUMBER OF OCCUPANTS	
		FBC	NFPA 101	FBC	NFPA 101
ASSEMBLY WITHOUT FIXED SEATS, UNCONCENTRATED	340 SF	15 NET	15 NET	23	23
ASSEMBLY WITHOUT FIXED SEATS, CONCENTRATED	47 SF	7 NET	7 NET	7	7
KITCHEN	413 SF	200 GROSS	100 GROSS	4	8
BUSINESS	90 SF	100 GROSS	100 GROSS	1	1
MERCANTILE	159 SF	60 NET	30 NET	3	6
BOOTH SEATING	169 LIN	LIN/24 INCH	LIN/18 INCH	8	4
TOTAL OCCUPANTS				46	49
OUTSIDE SEATING	350 SF	15 NET		24	

NOTE: LANDLORD'S GROSS LEASABLE AREA SPECIFIED WITHIN THE LEASE TAKES PRECEDENCE OVER ANY AREA CALCULATIONS INCLUDED IN THE FOLLOWING DOCUMENTS.

LEASE SPACE AREA: +/- 1,962 SF
BOMA: building owners managers association.
UBC: building useable area
UBC: section 207, inside of exterior walls & separation walls

FIRE RESISTANCE RATING

TABLE 601, FBC 2017

CONSTRUCTION TYPE	TYPE II-B
BUILDING ELEMENT	
STRUCTURAL FRAME: INCL: COLUMNS, GIRDERS, TRUSSES	0
BEARING WALLS: EXTERIOR	0
INTERIOR	0
NONBEARING WALLS AND PARTITIONS: EXTERIOR	0
NONBEARING WALLS AND PARTITIONS: INTERIOR	0
FLOOR CONSTRUCTION: INCL: SUPPORTING BEAMS, JOISTS	0
ROOF CONSTRUCTION: INCL: SUPPORTING BEAMS, JOISTS	0 ^c

c. IN ALL OCCUPANCIES, HEAVY TIMBER SHALL BE ALLOWED WHERE A 1-HOUR OR LESS FIRE-RESISTANCE RATING IS REQUIRED.

EGRESS REQUIREMENTS

TABLE 1015.1, FBC 2017

STORIES WITH ONE EXIT OR ACCESS TO ONE EXIT FOR OTHER OCCUPANCIES					
	OCCUPANCY	MAXIMUM OCCUPANTS PER STORY	MINIMUM # OF EXITS	MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE	MAX. # OF STORIES
REQUIRED	A,B,E,F,M,U,S ^c	49	1	75'-0"	1
PROVIDED	B	49	2	68'-0"	1

COMMON PATH OF EGRESS TRAVEL TABLE 1006.2.1, FBC 2017, NFPA 101 38.2.5			
OCCUPANCY	WITHOUT SPRINKLER SYSTEM	WITH SPRINKLER SYSTEM	
	OCCUPANT LOAD		
	<30	>30	
A,E,M	75	75	75
B	100	75	100

PLUMBING FIXTURE REQUIREMENTS

TABLE 1004.1.2, FBC 2017

OCCUPANCY	AREA	AREA 1	OCCUPANT LOAD FACTOR (SQFT)	NUMBER OF OCCUPANTS
ASSEMBLY WITHOUT FIXED SEATS, UNCONCENTRATED	340 SF		15 NET	23
ASSEMBLY WITHOUT FIXED SEATS, CONCENTRATED	47 SF		7 NET	7
KITCHEN	413 SF		200 GROSS	4
BUSINESS	90 SF		100 GROSS	1
MERCANTILE	159 SF		60 NET	3
BOOTH SEATING	169 LIN		LIN/24 INCH	8
OUTSIDE SEATING		350 SF	15 NET	24
TOTAL OCCUPANTS				70

TABLE 403.1, FPC 2017
MIN. NUMBER OF PLUMBING FIXTURES

OCCUPANCY A-2 RESTAURANT 70 OCCUPANTS - 35 MALES/35 FEMALES		
CODE	REQUIRED	PROVIDED
WATER CLOSETS MALES AND FEMALES 1 PER 75	2	2
LAVATORIES MALES AND FEMALES 1 PER 200	1	2
WATER FOUNTAIN 1 PER 100 OCCUPANTS	0*	0*
SERVICE SINK	1	1

*SECTION 410.4
WHERE RESTAURANTS PROVIDE DRINKING WATER IN A CONTAINER FREE OF CHARGE, DRINKING FOUNTAINS SHALL NOT BE REQUIRED IN THOSE RESTAURANTS.

WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

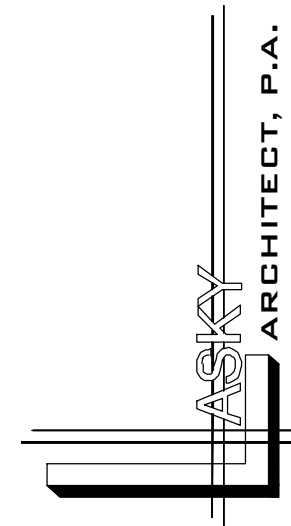
TABLE 803.11, FBC 2017; NFPA 101 38.3.3

GROUP	NON SPRINKLERED		
	INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS ^c	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND EXIT ACCESS RAMPS	ROOMS & ENCLOSED SPACES ^c
B	A	B	C

For SI: 1 inch = 25.4mm, 1 square foot = 0.0929 m

- CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED FOR WAINSCOTTING OR PANELING OF NOT MORE THAN 1,000 SQUARE FEET OF APPLIED SURFACE AREA IN THE GRADE LOBBY WHERE APPLIED DIRECTLY TO A NONCOMBUSTIBLE BASE OR OVER FURRING STRIPS APPLIED TO A NONCOMBUSTIBLE BASE AND FIREBLOCKED AS REQUIRED BY SECTION 803.11.1.
- IN OTHER THAN GROUP I-2 OCCUPANCIES IN BUILDINGS LESS THAN THREE STORIES ABOVE GRADE PLANE OF OTHER THAN GROUP I-3, CLASS B INTERIOR FINISH FOR NONSPRINKLERED BUILDINGS AND CLASS C INTERIOR FINISH FOR SPRINKLERED BUILDINGS SHALL BE PERMITTED IN INTERIOR EXIT STAIRWAYS AND RAMPS.
- REQUIREMENTS FOR ROOMS AND ENCLOSED SPACES SHALL BE BASED UPON SPACES ENCLOSED BY PARTITIONS, WHERE A FIRE-RESISTANCE RATING IS REQUIRED FOR STRUCTURAL ELEMENTS, THE ENCLOSING PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE CEILING. PARTITIONS THAT DO NOT COMPLY WITH THIS SHALL BE CONSIDERED ENCLOSING SPACES AND THE ROOMS OR SPACES ON BOTH SIDES SHALL BE CONSIDERED ONE. IN DETERMINING THE APPLICABLE REQUIREMENTS FOR ROOMS AND ENCLOSED SPACES, THE SPECIFIC OCCUPANCY THEREOF SHALL BE THE GOVERNING FACTOR REGARDLESS OF THE GROUP CLASSIFICATION OF THE BUILDING OR STRUCTURE.
- LOBBY AREAS IN GROUP A-1, A-2 AND A-3 OCCUPANCIES SHALL NOT BE LESS THAN CLASS B MATERIALS.
- CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN PLACES OF ASSEMBLY WITH AN OCCUPANT LOAD OF 300 PERSONS OR LESS.
- FOR PLACES OF RELIGIOUS WORSHIP, WOOD USED FOR ORNAMENTAL PURPOSES, TRUSSES, PANELING OR CHANCEL FURNISHING SHALL BE PERMITTED.
- CLASS B MATERIAL IS REQUIRED WHERE THE BUILDING EXCEEDS TWO STORIES.
- CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ADMINISTRATIVE SPACES.
- CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ROOMS WITH A CAPACITY OF FOUR PERSONS OR LESS.
- CLASS B MATERIALS SHALL BE PERMITTED AS WAINSCOTTING EXTENDING NOT MORE THAN 48 INCHES ABOVE THE FINISHED FLOOR IN CORRIDORS AND EXIT ACCESS STAIRWAYS AND RAMPS.
- FINISH MATERIALS AS PROVIDED FOR IN OTHER SECTIONS OF THIS CODE.
- APPLIES WHEN PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

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PROJECT

BUTCHER AND BARREL LLC
3580 NE 12TH AVE.
OAKLAND PARK, FL 33334

REVISIONS DATES:

09/19/19 CITY SET

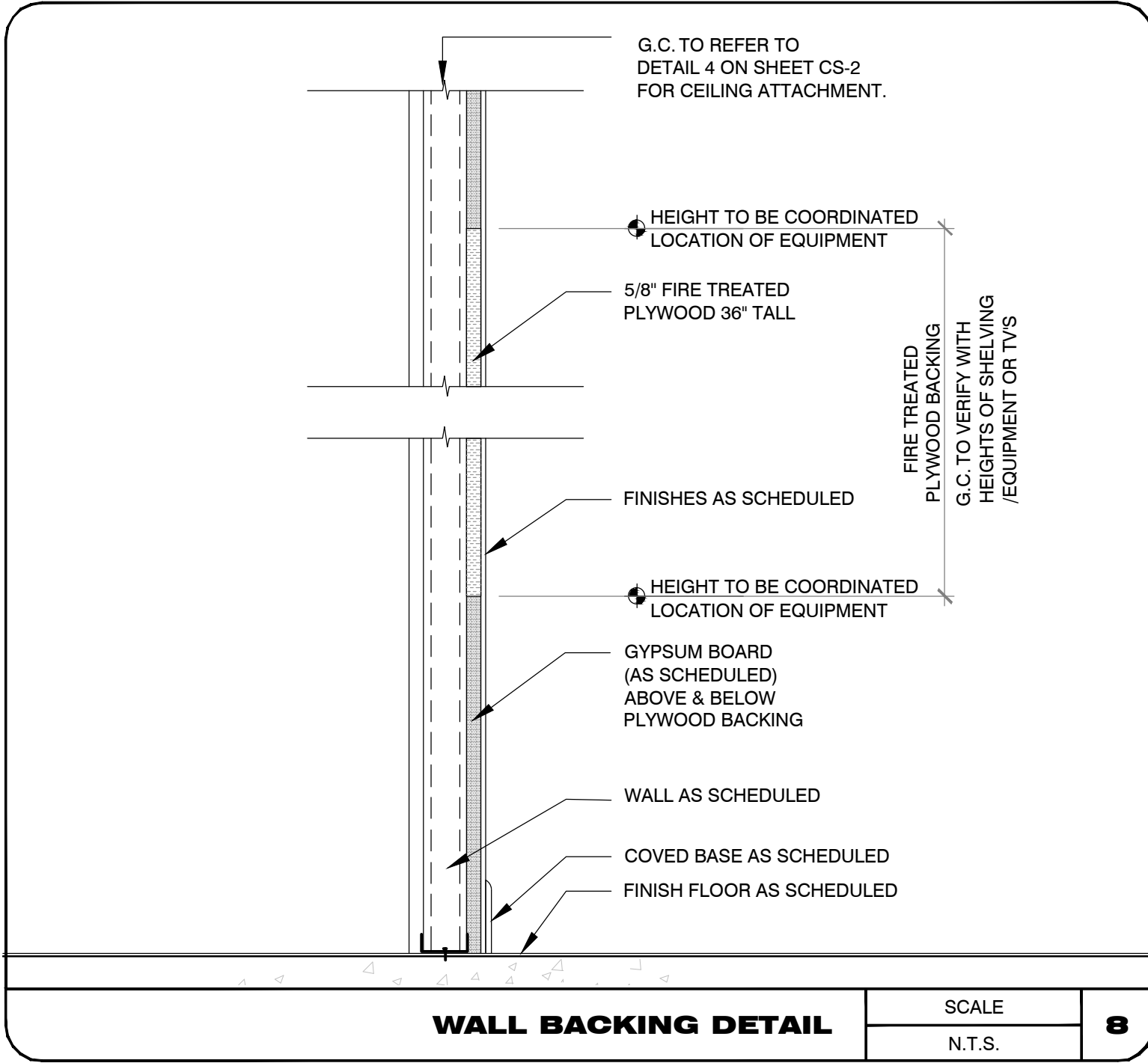
PROFESSIONAL SEAL

SCOTT L. LASKY # A0001084
REGISTERED ARCHITECT
STATE OF FLORIDA

ISSUE DATE: 09/17/19
PROJECT #: 310.1295
DRAWN BY: KM
CHECKED BY: SL-CC

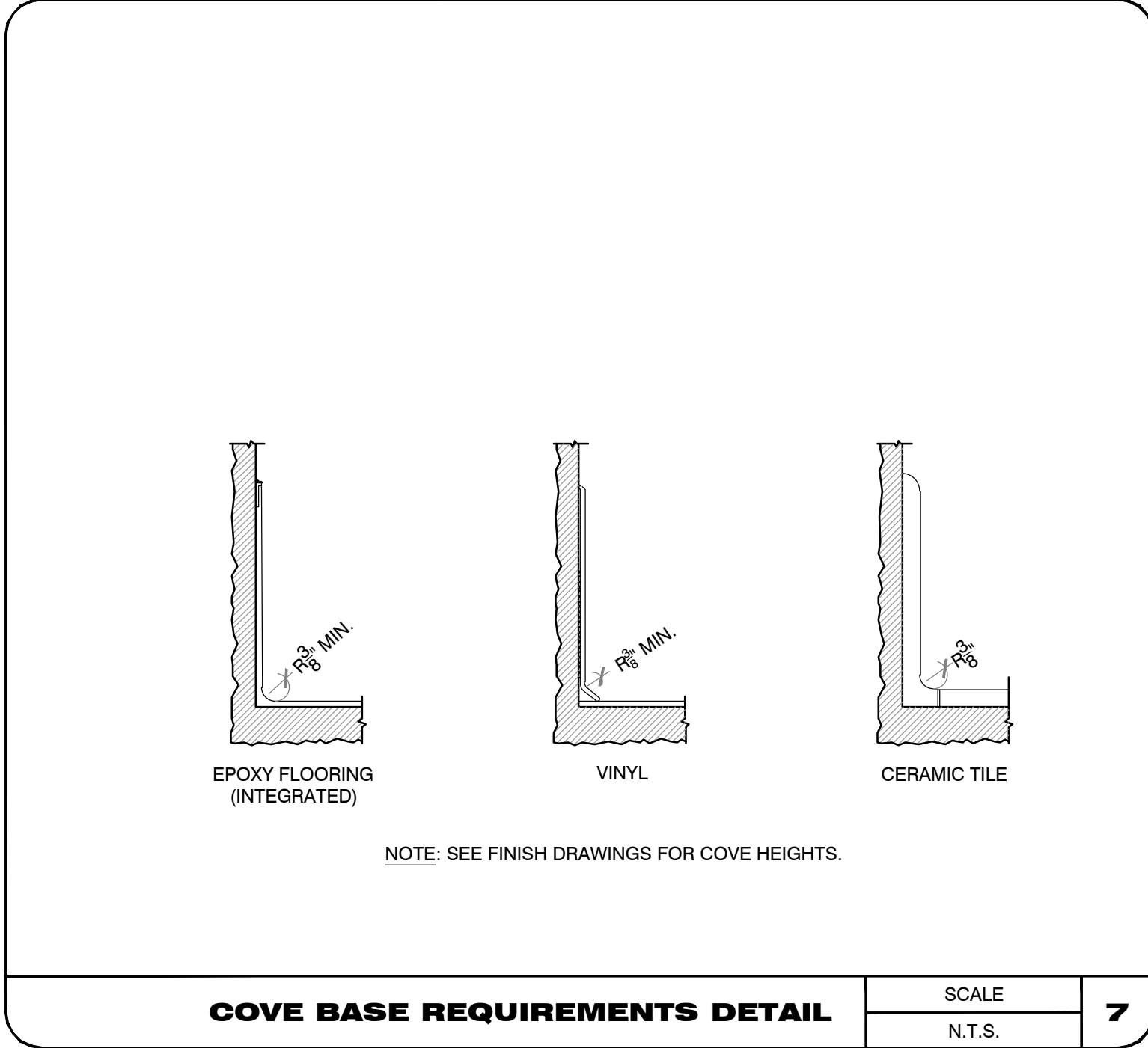
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CS-1



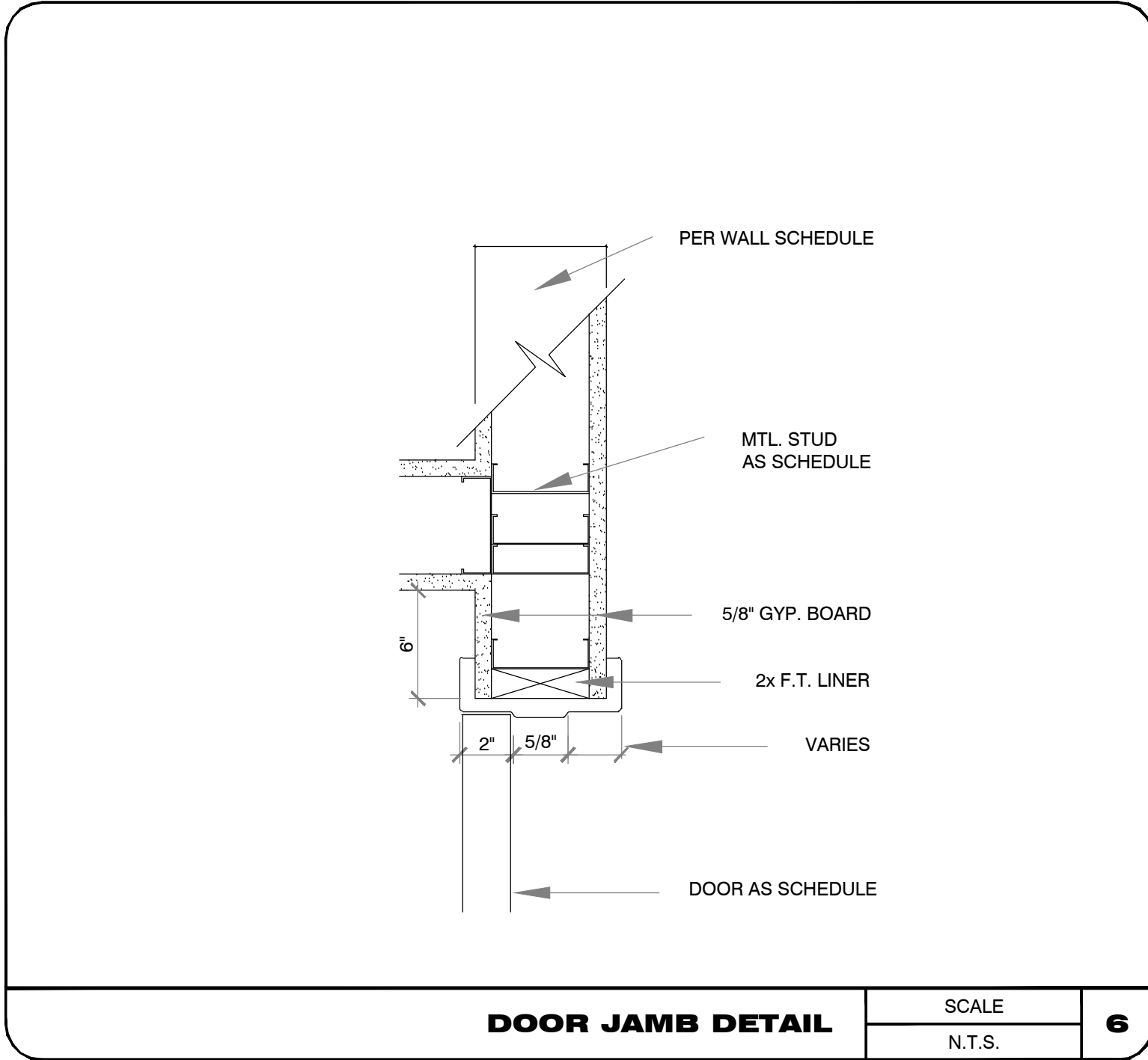
WALL BACKING DETAIL

SCALE	8
N.T.S.	



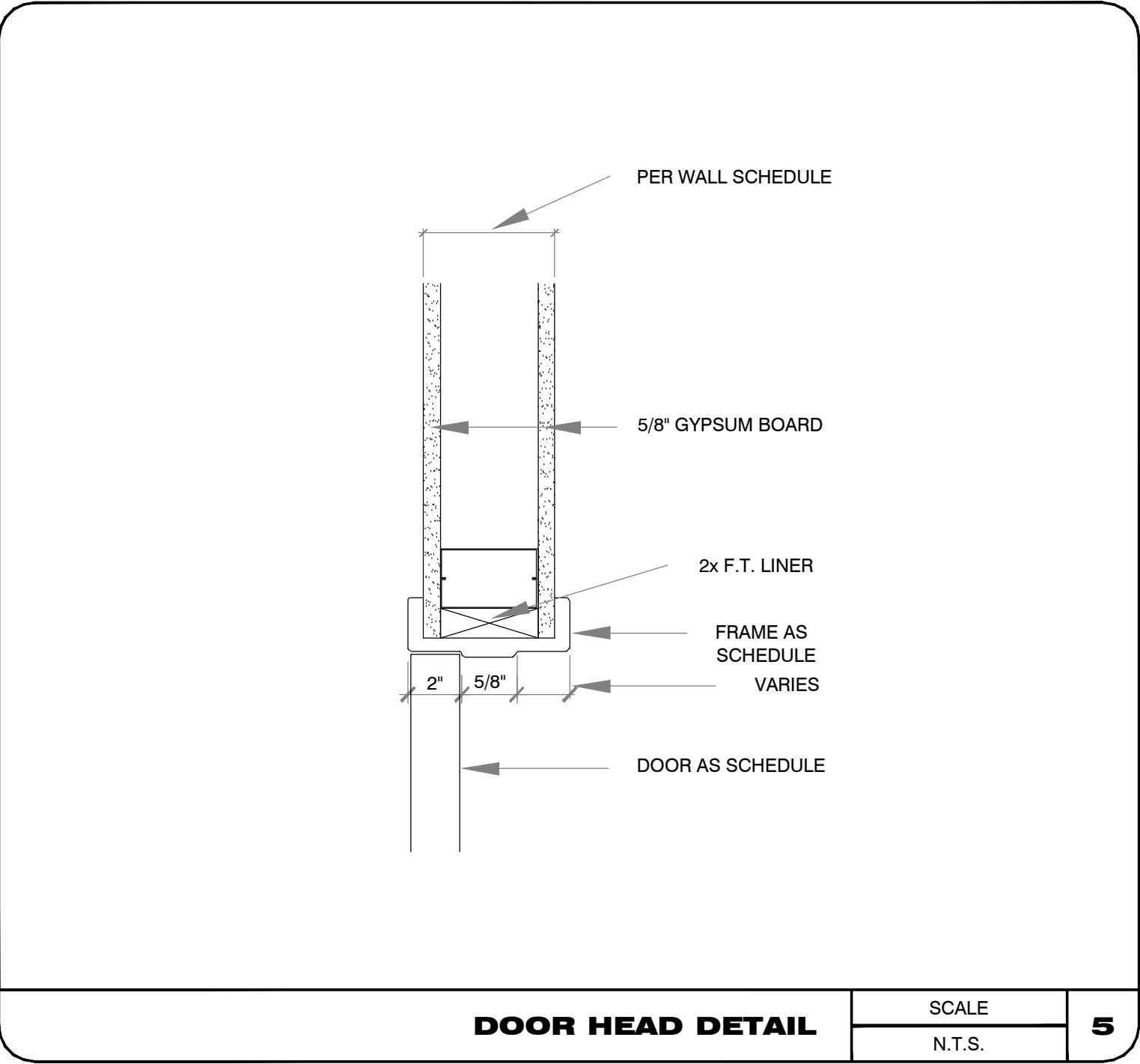
COVE BASE REQUIREMENTS DETAIL

SCALE	7
N.T.S.	



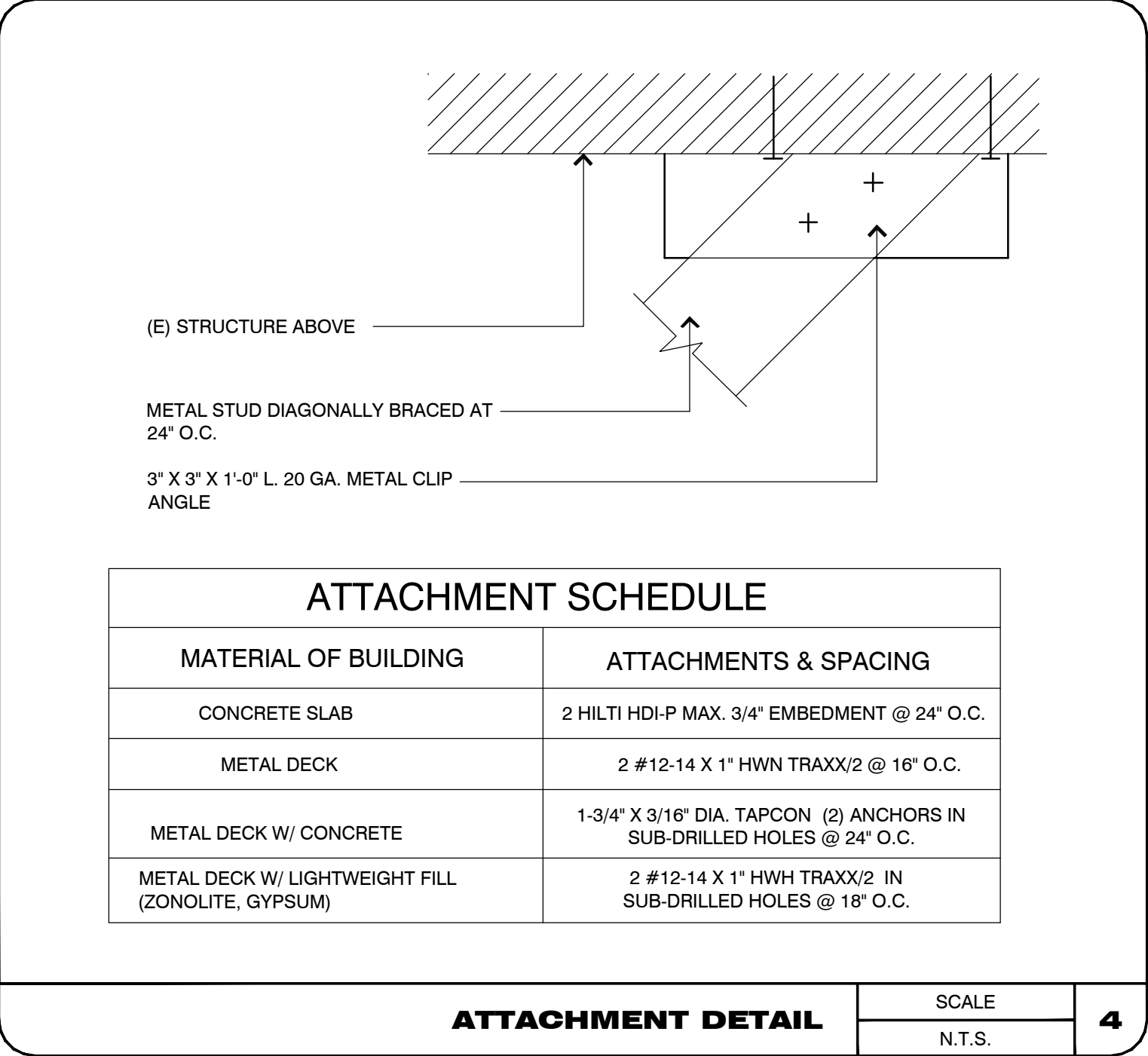
DOOR JAMB DETAIL

SCALE	6
N.T.S.	



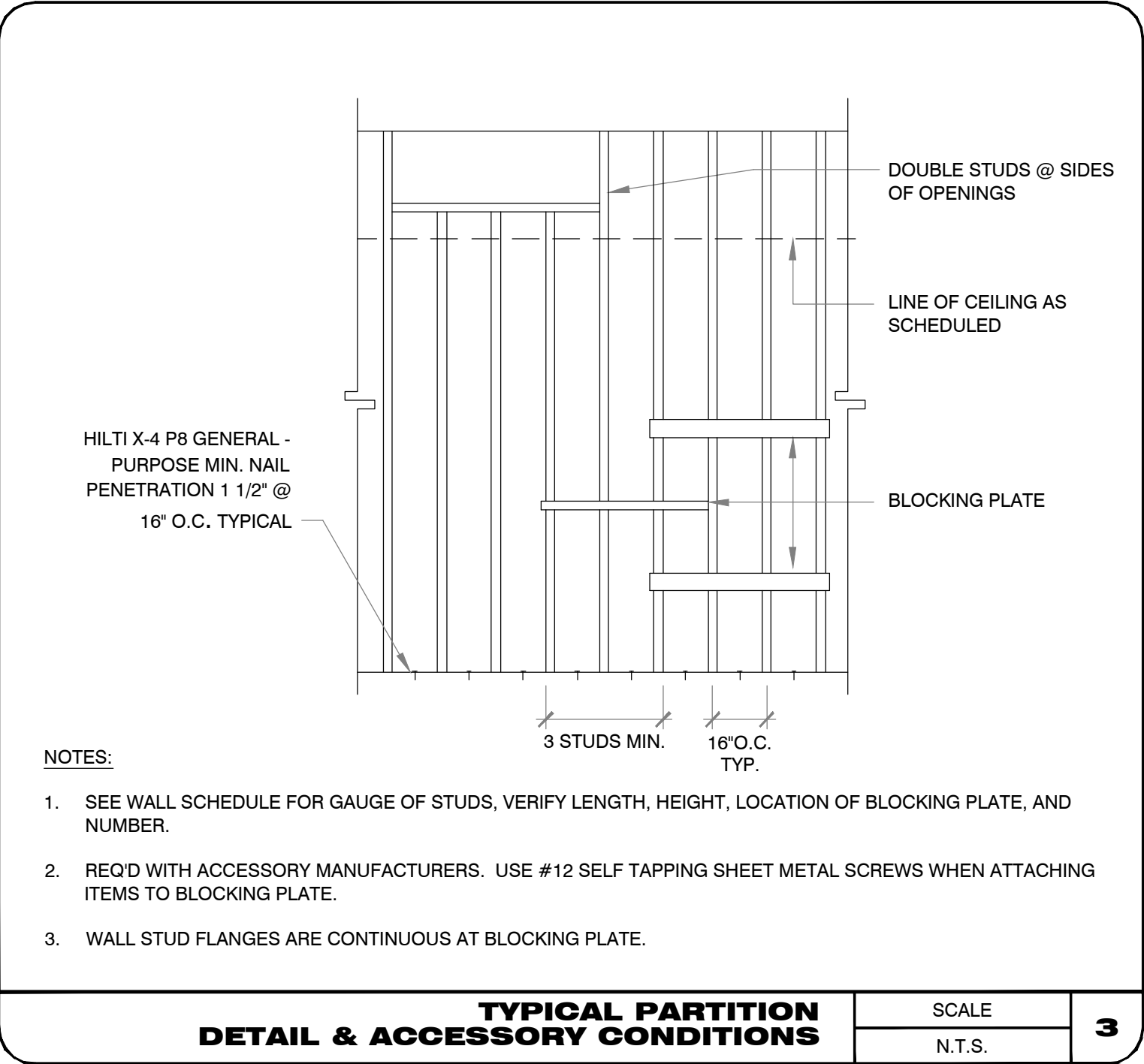
DOOR HEAD DETAIL

SCALE	5
N.T.S.	



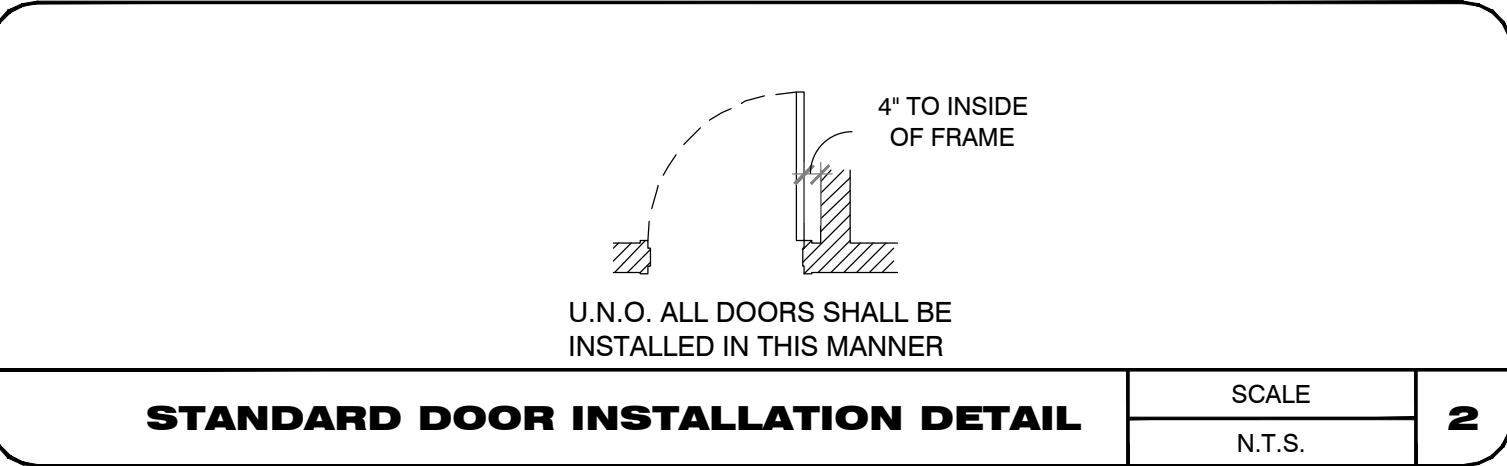
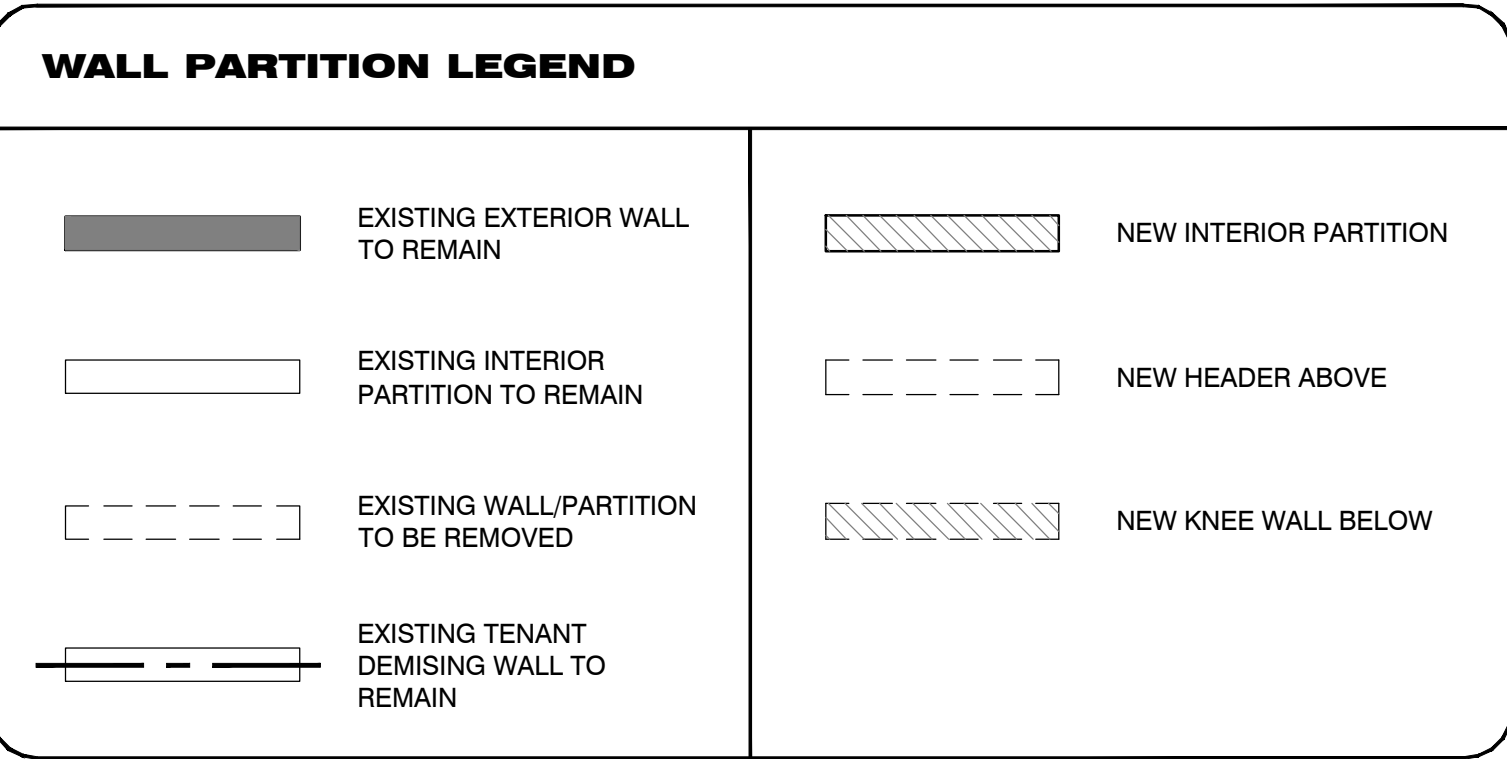
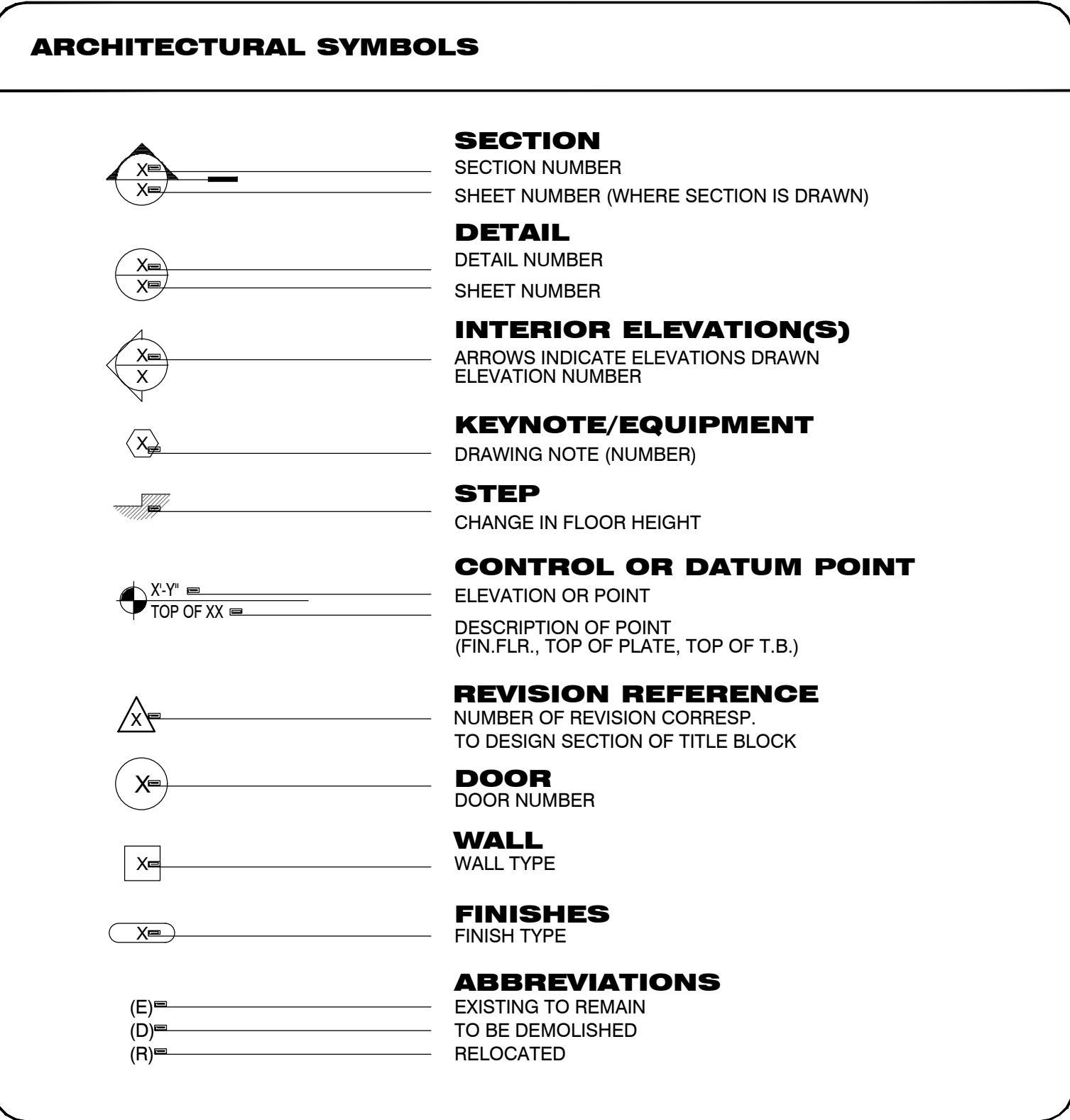
ATTACHMENT DETAIL

SCALE	4
N.T.S.	



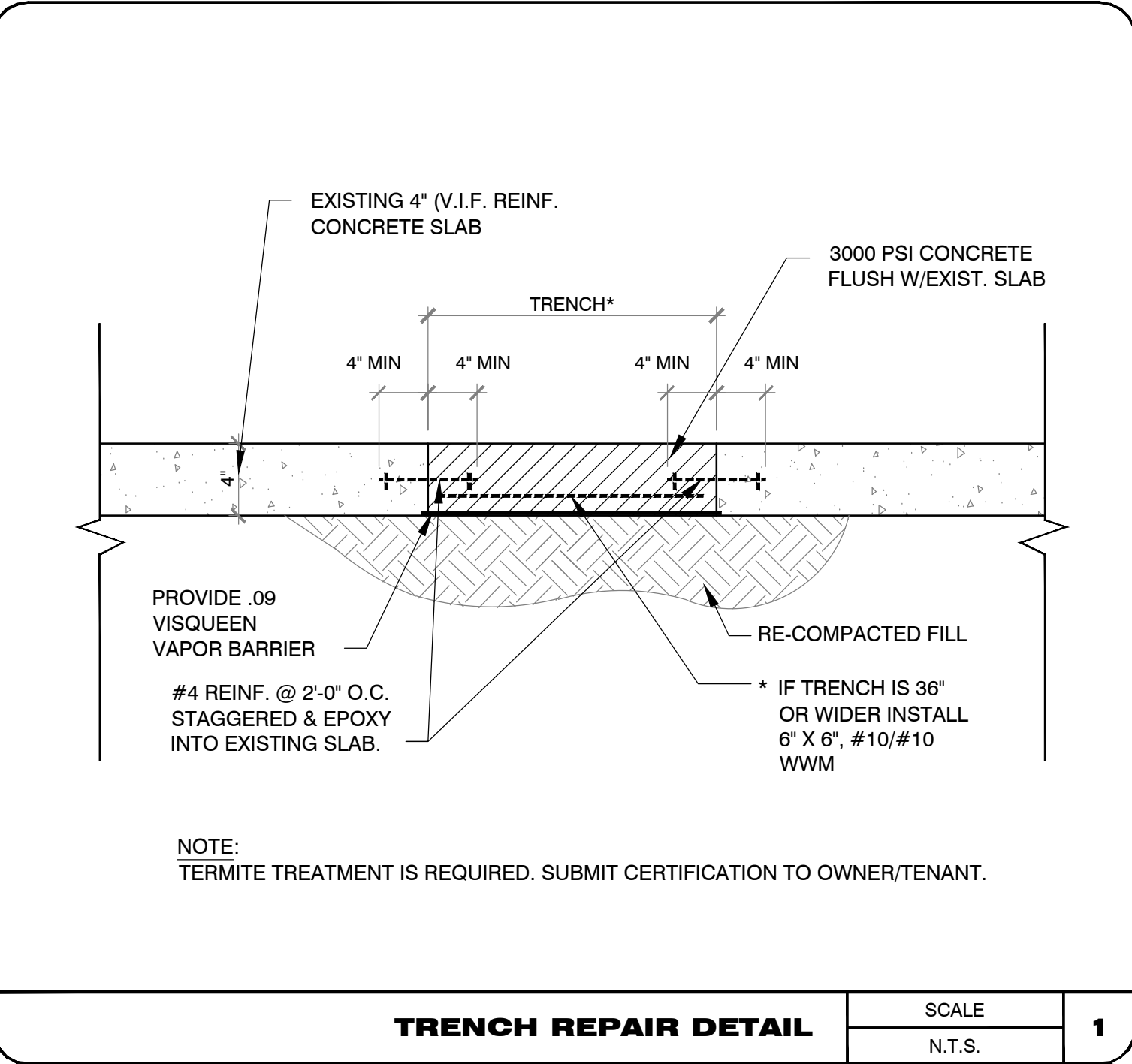
TYPICAL PARTITION DETAIL & ACCESSORY CONDITIONS

SCALE	3
N.T.S.	



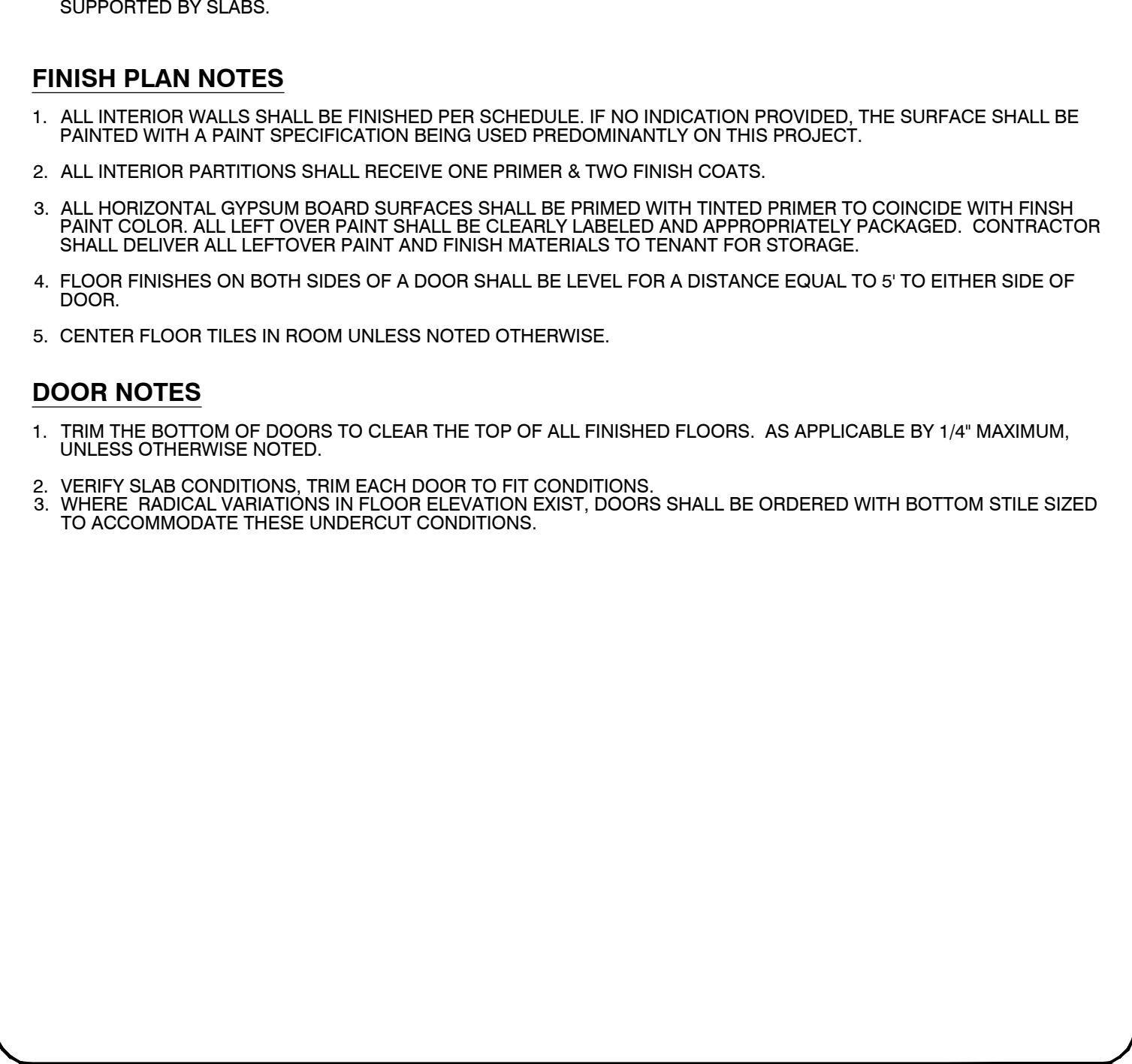
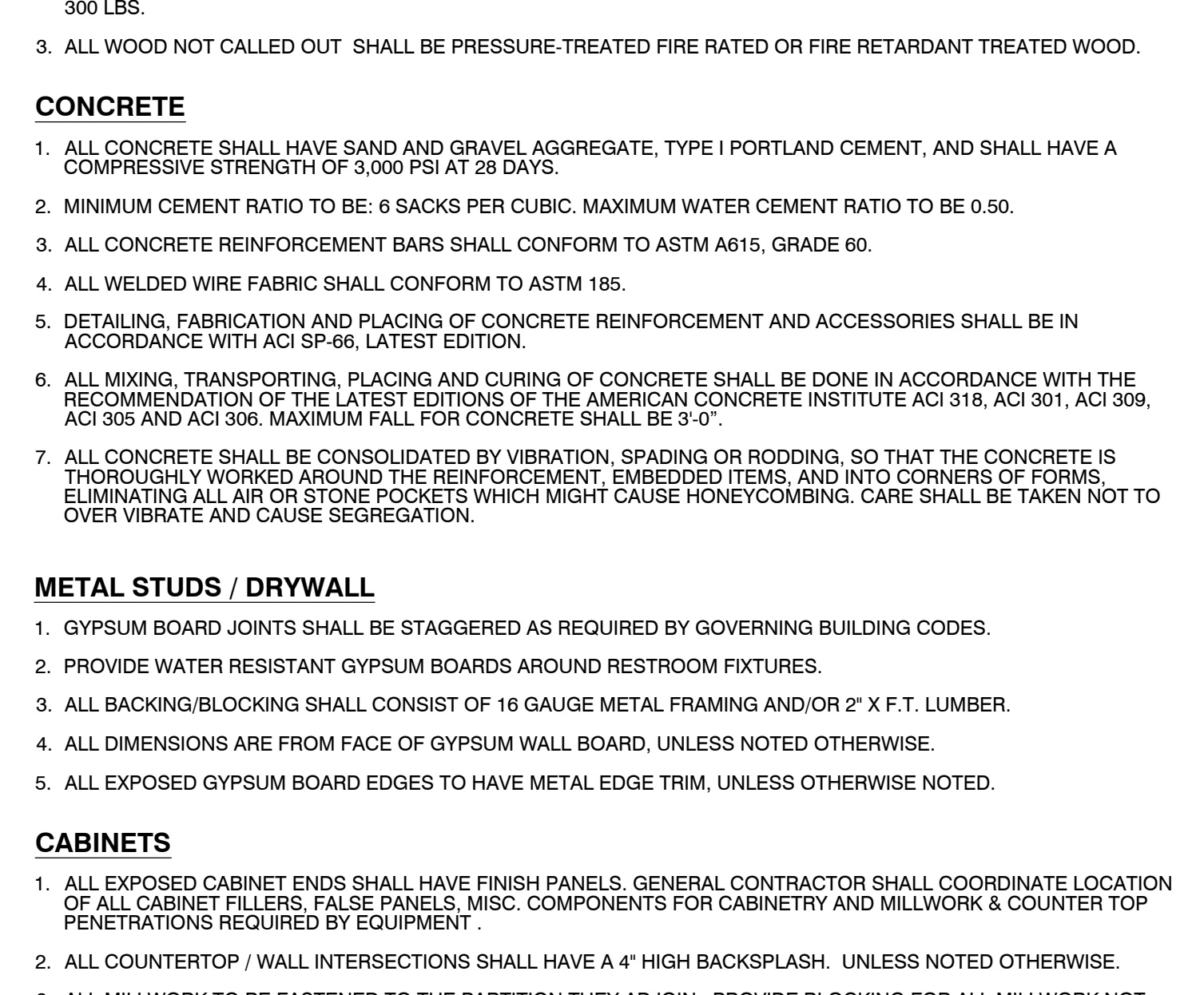
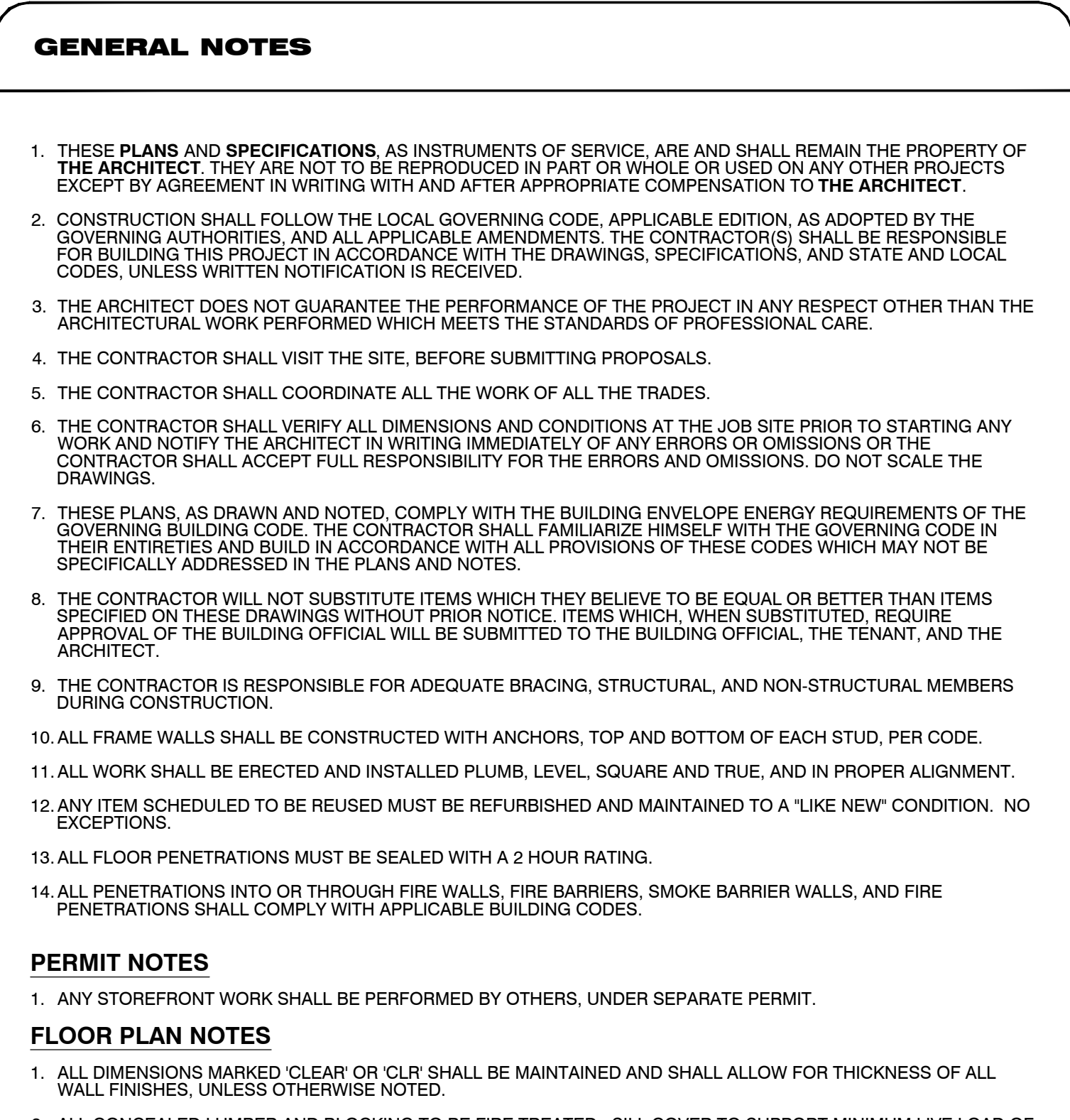
STANDARD DOOR INSTALLATION DETAIL

SCALE	2
N.T.S.	



TRENCH REPAIR DETAIL

SCALE	1
N.T.S.	



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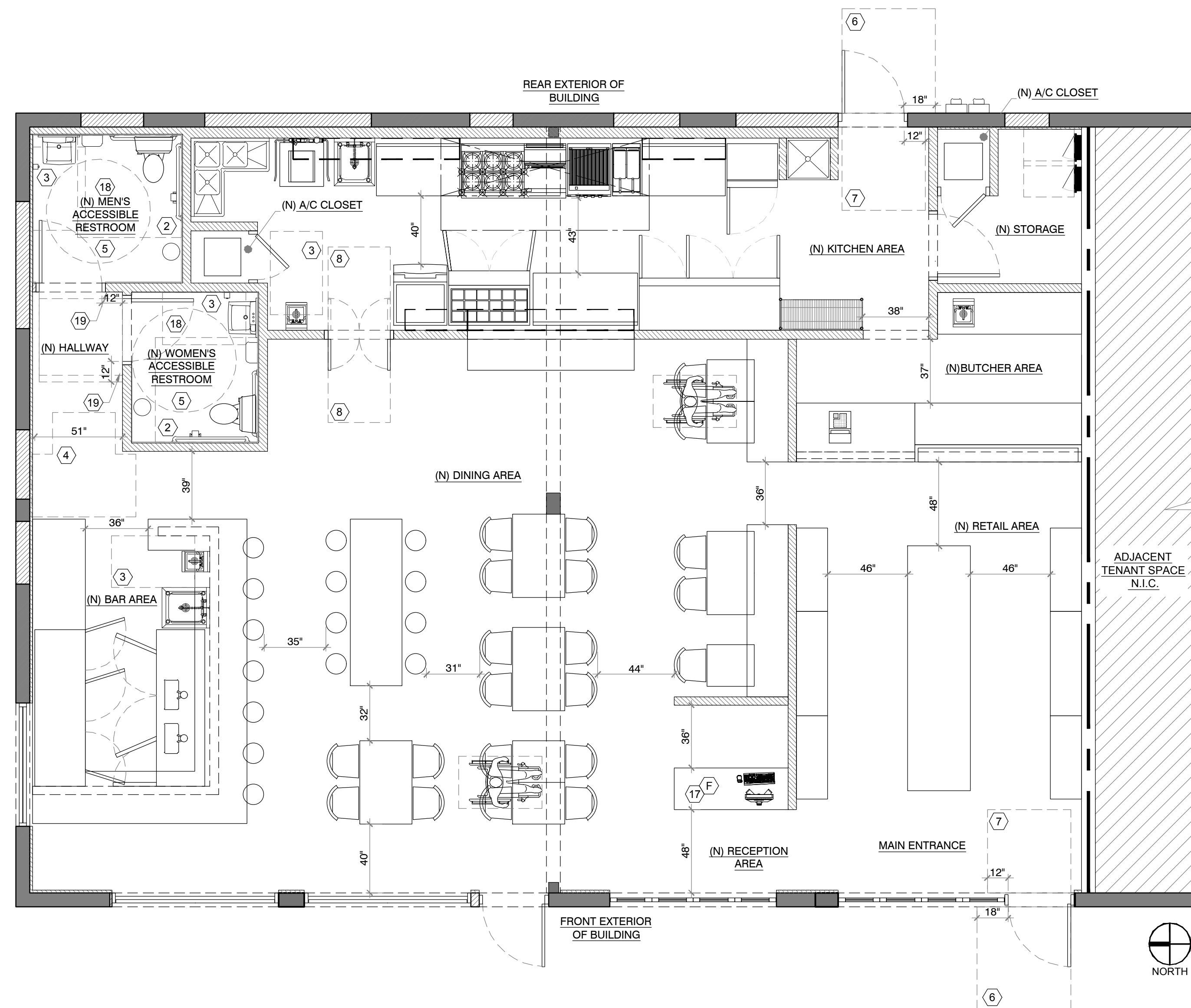
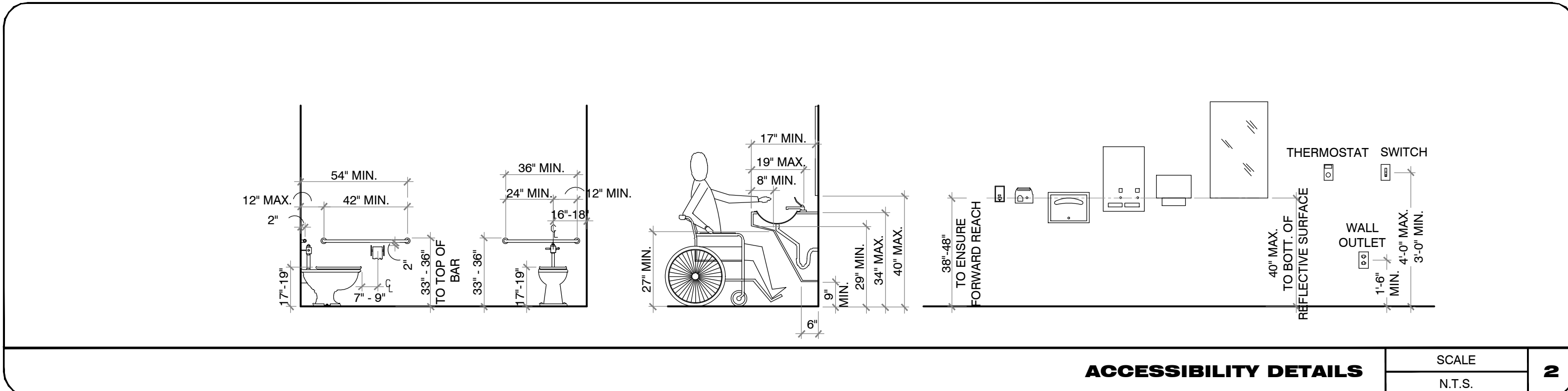
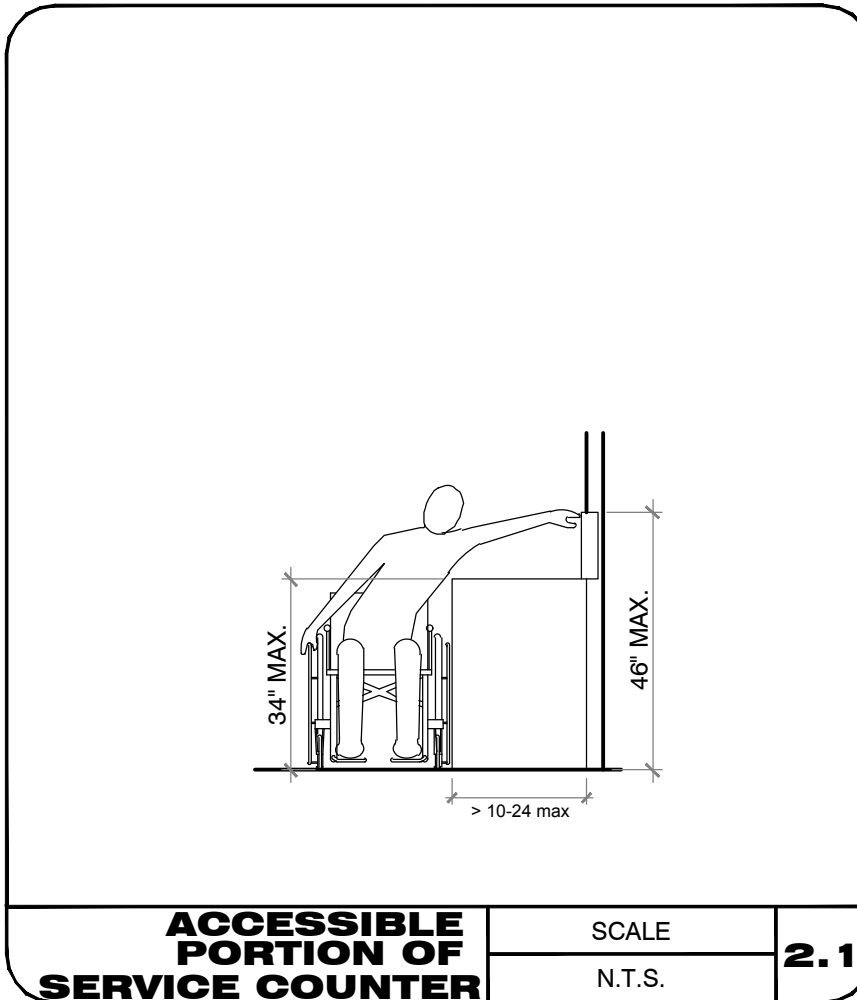
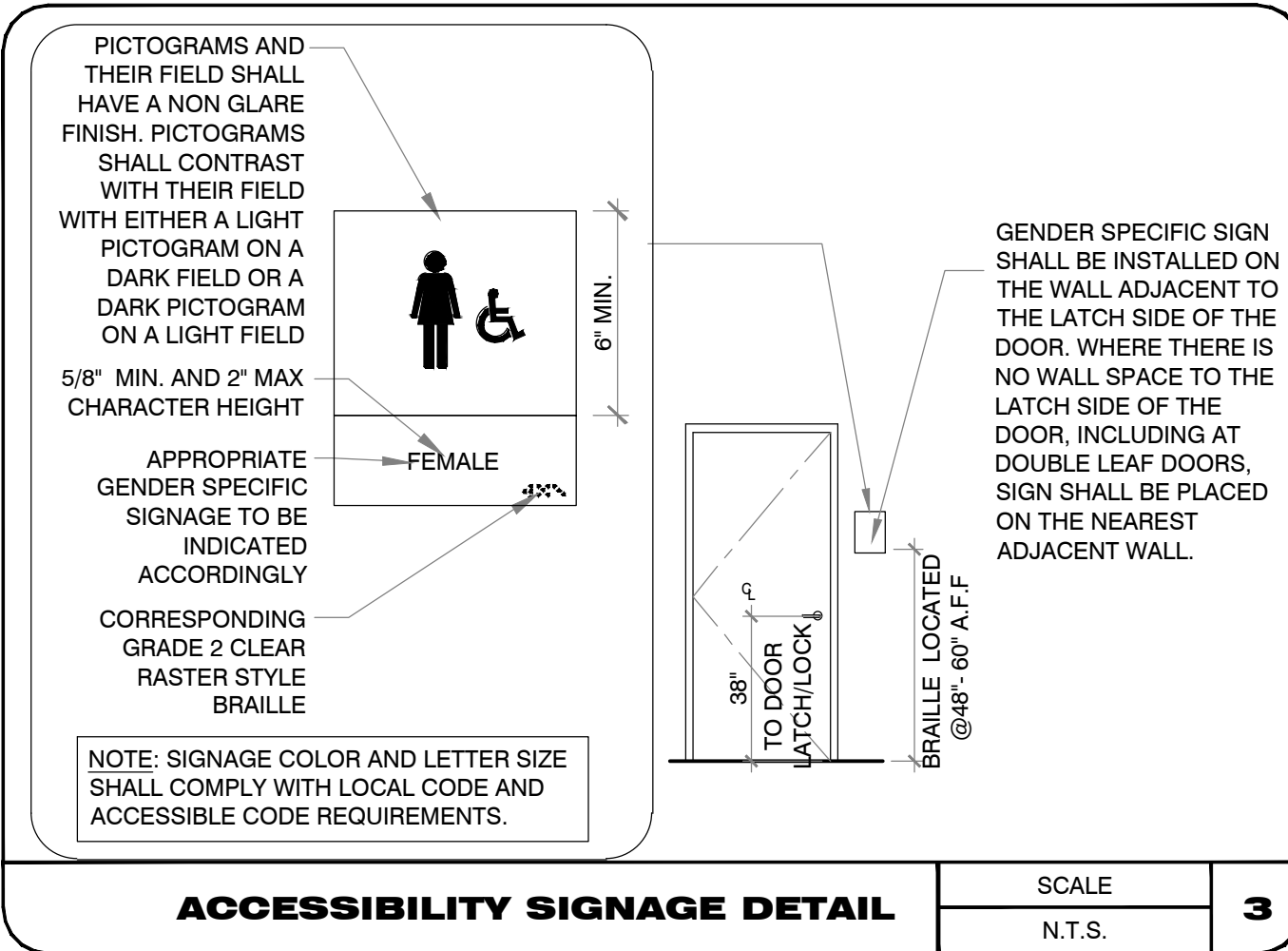
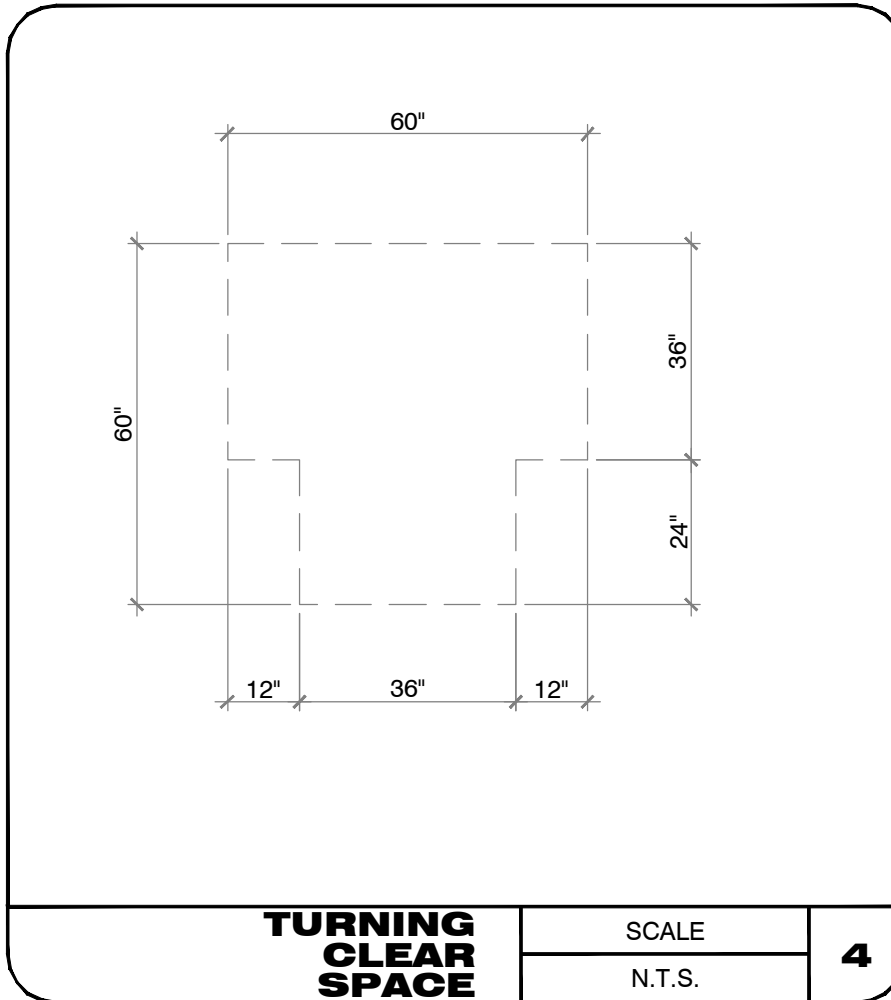
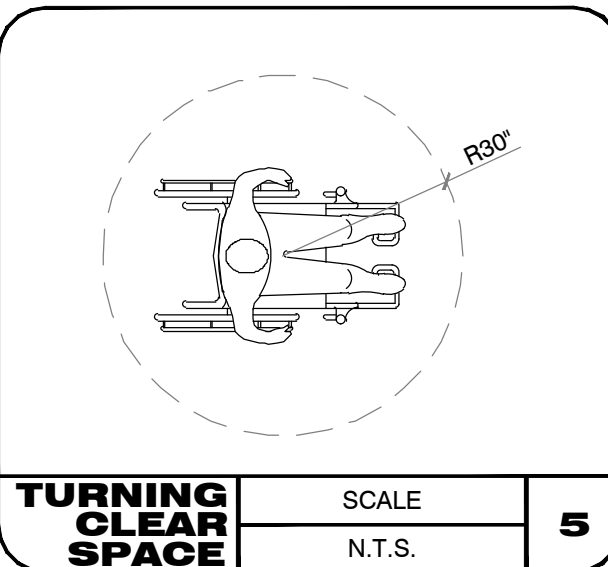
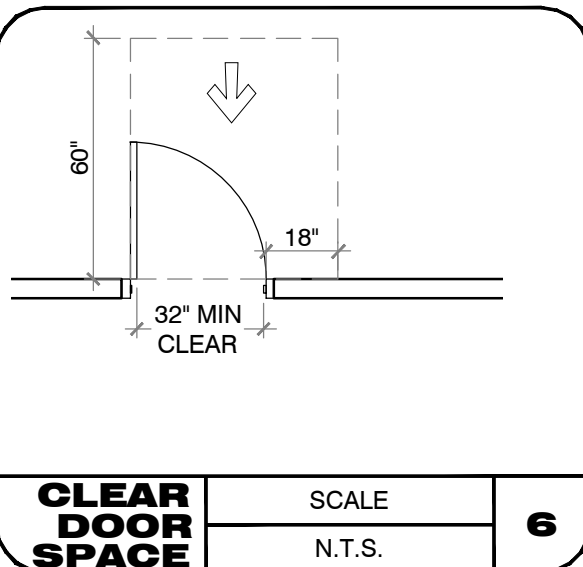
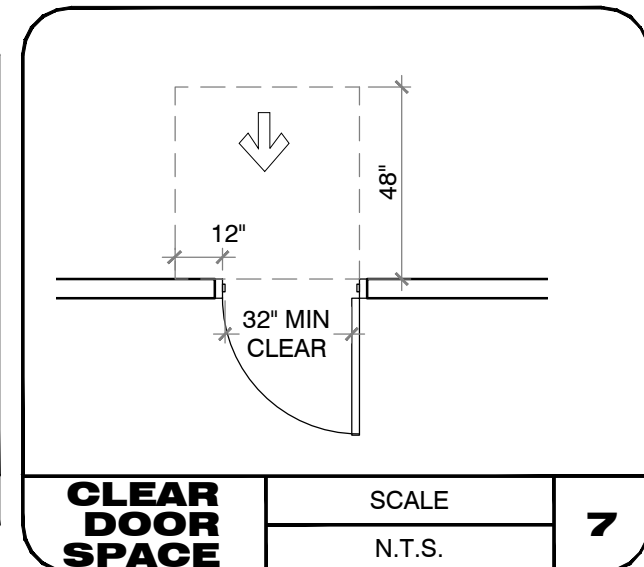
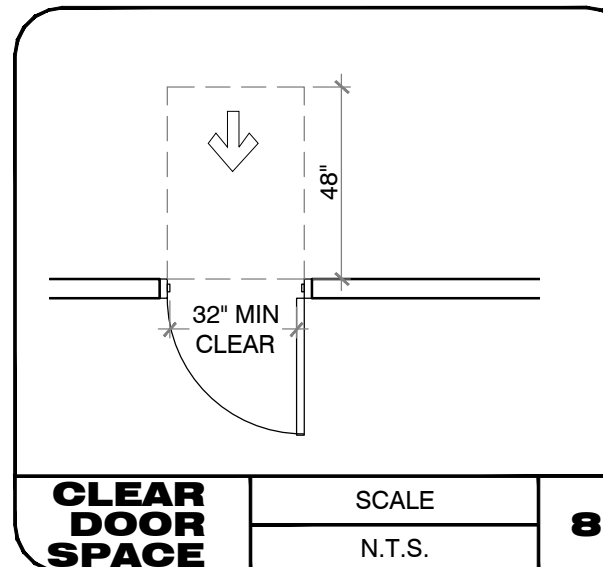
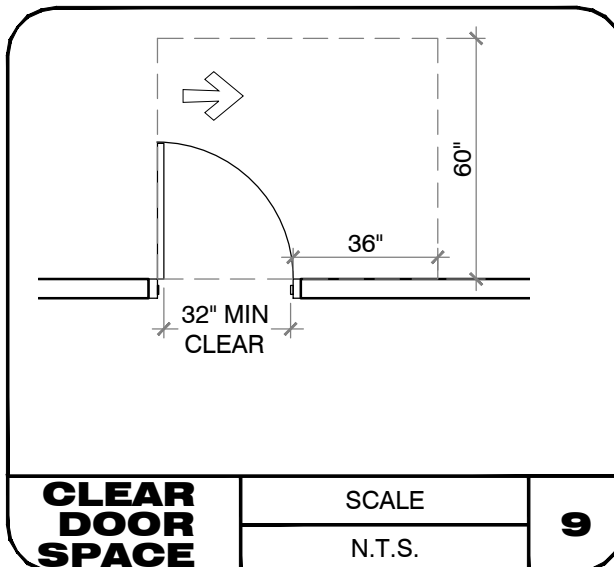
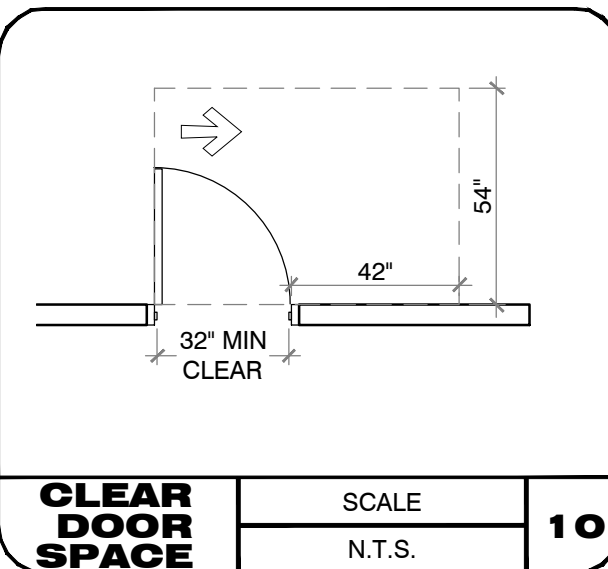
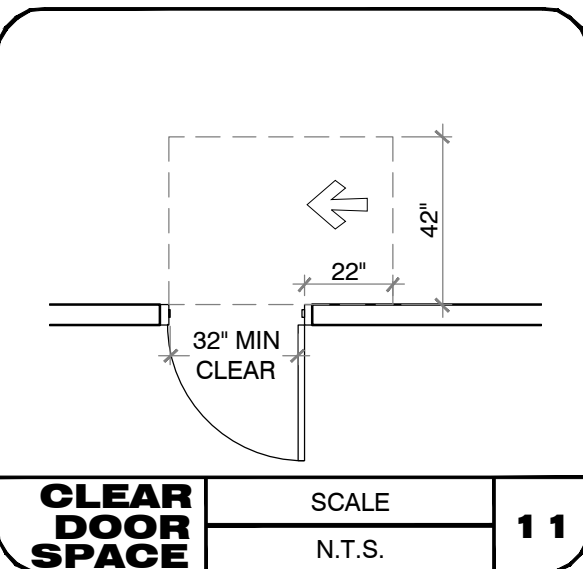
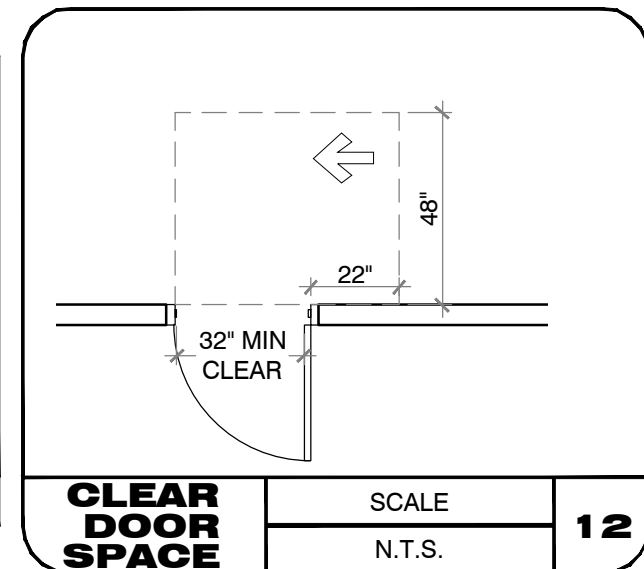
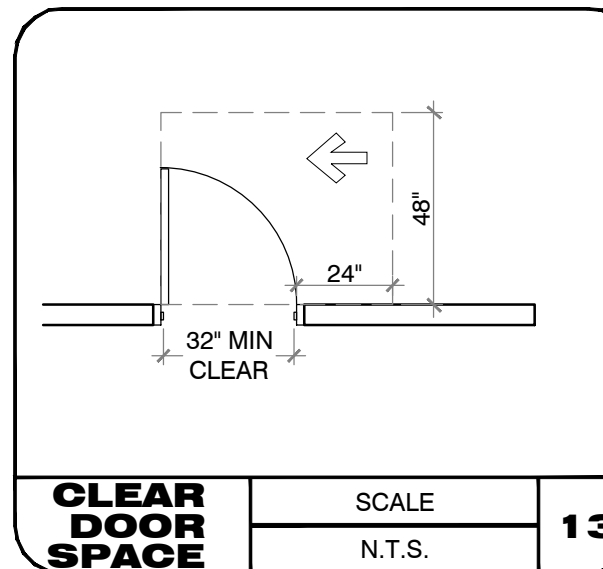
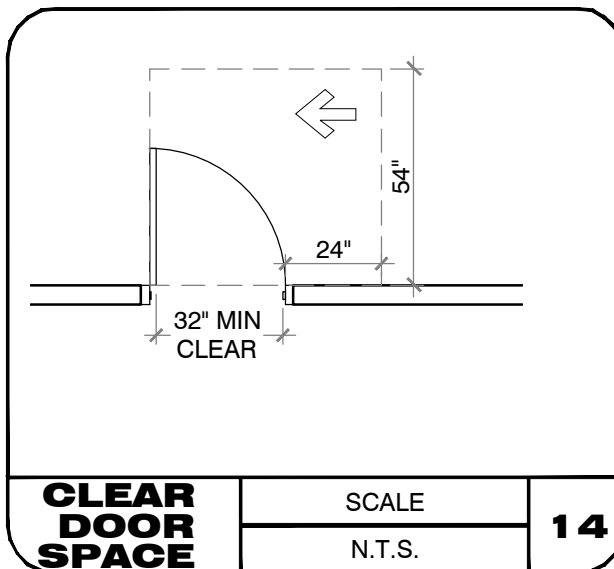
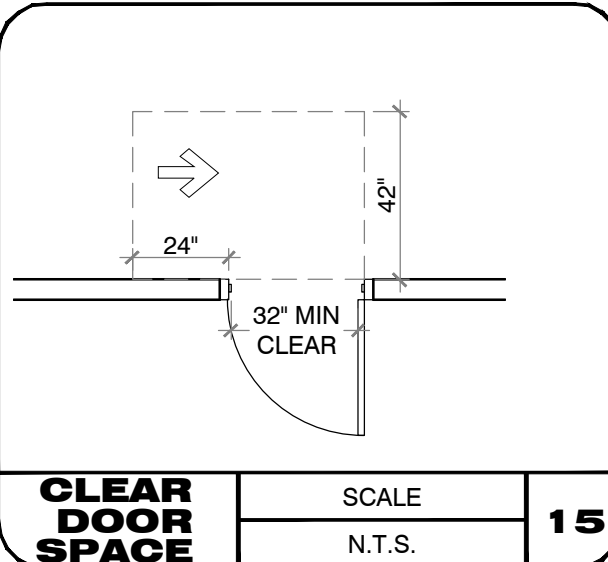
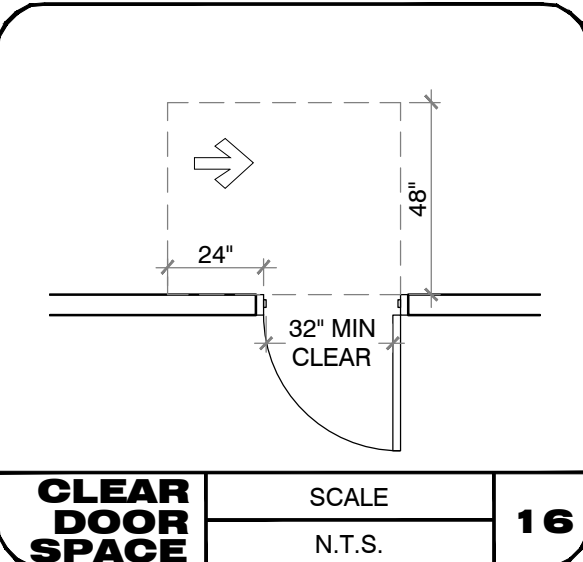
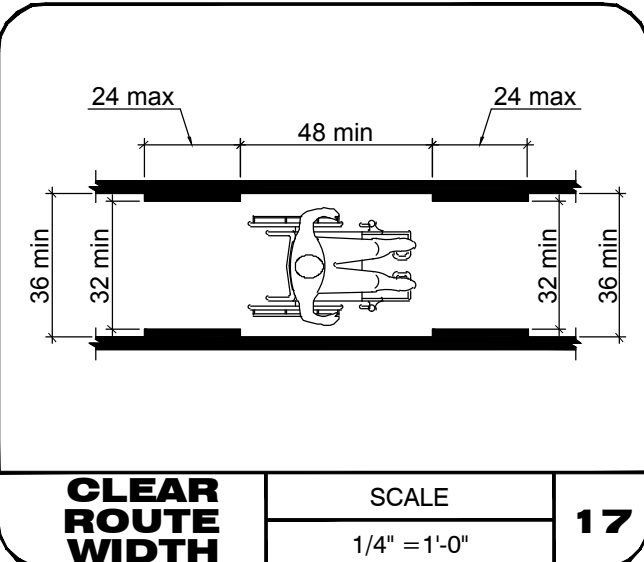
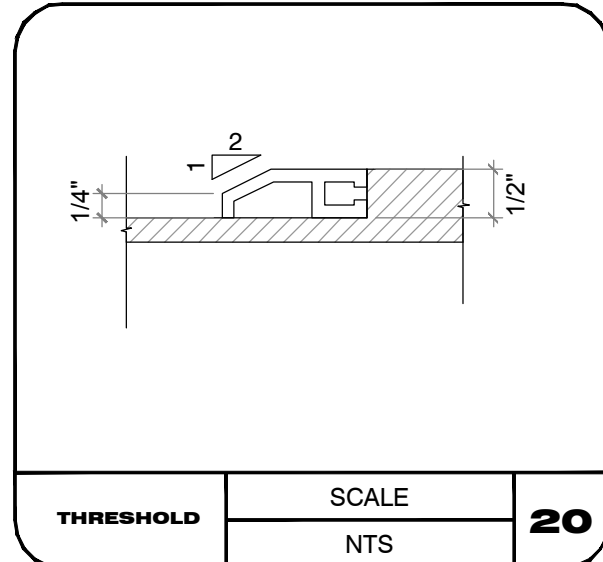
ISSUE DATE: 09.17.19
PROJECT #: 310.1295
DRAWN BY: KM
CHECKED BY: SL-CC

GENERAL NOTES

CS-2

NUMBER OF SEATS	MINIMUM NUMBER OF REQUIRED WHEELCHAIR SPACES
4 TO 25	1
26 TO 50	2
51 TO 100	4
101 TO 300	5
NUMBER OF SEATS PROVIDED	MINIMUM NUMBER OF REQUIRED WHEELCHAIR SPACES
41	2

1	CLEARANCE FOR URINAL: 30" X 48"
2	CLEARANCE FOR WATER CLOSET: 60" X 56"
3	CLEARANCE FOR SINK: 30" X 48"
4	T-SHAPED WHEELCHAIR TURNING SPACE. SEE DETAIL 4/CS-3.
5	CIRCULAR WHEELCHAIR TURNING SPACE. SEE DETAIL 5/CS-3.
6	DOOR CLEARANCE: FRONT APPROACH, PULL SIDE. SEE DETAIL 6/CS-3.
7	DOOR CLEARANCE: FRONT APPROACH, PUSH SIDE. SEE DETAIL 7/CS-3.
8	DOOR CLEARANCE: FRONT APPROACH, PUSH SIDE, NO LATCH OR CLOSER. SEE DETAIL 8/CS-3.
9	DOOR CLEARANCE: HINGE APPROACH, PULL SIDE. SEE DETAIL 9/CS-3.
10	DOOR CLEARANCE: HINGE APPROACH, PULL SIDE. SEE DETAIL 10/CS-3.
11	DOOR CLEARANCE: HINGE APPROACH, PUSH SIDE. SEE DETAIL 11/CS-3.
12	DOOR CLEARANCE: HINGE APPROACH, PUSH SIDE W/CLOSER & LATCH. SEE DETAIL 12/CS-3.
13	DOOR CLEARANCE: LATCH APPROACH, PULL SIDE. SEE DETAIL 13/CS-3.
14	DOOR CLEARANCE: LATCH APPROACH, PULL SIDE W/CLOSER. SEE DETAIL 14/CS-3.
15	DOOR CLEARANCE: LATCH APPROACH, PUSH SIDE. SEE DETAIL 15/CS-3.
16	DOOR CLEARANCE: LATCH APPROACH, PUSH SIDE W/CLOSER. SEE DETAIL 16/CS-3.
17	ACCESSIBLE SERVICE COUNTER. SEE DETAIL 2.1/CS-3.
18	ACCESSIBLE RESTROOM. ALL EQUIPMENT SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS SET ON 2/CS-3. SEE EQUIPMENT SCHEDULE AND PLUMBING PLANS.
19	LOCATION OF RESTROOM ACCESSIBLE SIGNAGE. SEE 3/CS-3 FOR DETAILS.
GENERAL NOTES	
A	PROJECT HAS A FULLY ACCESSIBLE MAIN ENTRY AT GROUND LEVEL.
B	THE PROVIDED ACCESSIBILITY ROUTE OF 36" TO ALL PRIMARY FUNCTIONS OF THE FACILITY SHALL BE MAINTAINED THROUGHOUT THE PUBLIC AREAS OF THE STORE, EXCEPT FOR SEGMENTS 24" LONG, 48" APART, WHERE THE ACCESSIBLE ROUTE MAY BE REDUCED TO 32".
C	AT LEAST 5 PERCENT OF THE SEATING, BUT NOT LESS THAN ONE SEAT, SHALL BE ACCESSIBLE.
D	FAUCETS SHALL BE LEVER OPERATED, PUSH TYPE, OR ELECTRICALLY CONTROLLED MECHANISMS. SELF-CLOSING VALVES SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.
E	HOT WATER AND DRAIN PIPES UNDER THE LAVATORY SHALL BE INSULATED OR CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY.
F	MAX. HEIGHT FOR ALL COUNTERS SHALL BE 34" A.F.F. MAX.



SCALE	
1/4" = 1'-0"	

Tremco Incorporated
 Sealant/Weatherproofing Division
 Fire Protection Systems Group
 2628 Pearl Rd., Medina, OH 44126
 Toll Free: 866-209-7055
 www.tremcofirestop.com

System No. W.L.-1158

November 30, 2004

F Ratings - 1 and 2 Hr (See Item 1)

T Rating - 0 Hr

L Rating at Ambient - Less Than 1 CFM/sq ft

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Drawing Not to Scale

1. **Wall Assembly** - The 1 or 2 hour fire-rated gypsom board stud wall assembly shall be constructed of the materials and in the manner specified in the individual U3000, U4000 or V4000 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. **Gypsom Board** - One or two layers of nom 1/2 or 5/8 in. (13 or 16 mm) thick gypsom board as specified in the individual Wall and Partition Design.

Max. diam of opening is 15-1/8 in. (384 mm).

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

1A. **Steel Sleeve** - (Optional, Not shown.) Cylindrical sleeve fabricated from min 0.013 in. (0.330 mm) thick (No. 30 gauge) to max 0.056 in. (1.42 mm) (No. 16 gauge) galv steel sheet and having a min 1 in. (25 mm) lap along the longitudinal seam. Ends of sleeve to be trimmed flush with both surfaces of wall.

Sleeve to be installed by coiling the sheet metal to a diam smaller than the through opening, inserting the coil through the opening and releasing the coil to let it unfold against the circular cutouts in the gypsom board layers.

2. **Through Penetrants** - One metallic pipe, tubing or conduit to be installed either concentrically or eccentrically within the firestop system. Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The pipe, tubing or conduit may be installed at an angle not greater than 45 degrees from the perpendicular. The annular space shall be min 0 (point contact) in. to max 1-7/8 in. (48 mm). The following types and sizes of metallic pipe tubing or conduit may be used:

A. **Steel Pipe** - Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** - Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.

C. **Conduit** - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or nom 6 in. diam (or smaller) steel conduit.

D. **Copper Tubing** - Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe** - Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. **Firestop System** - The firestop system shall consist of the following:

A. **Packing Material** - (Optional) - Foam backer (not firmly) packed into the opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material** - (Caulk) Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. When annular space exceeds 1/2 in. (13 mm), the min thickness of fill material to be installed such that a min 3/8 in. (10 mm) crown is applied at the pipe/wall interface at the point contact location.

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 See UL Fire Resistance Directory for additional information.

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Sealant/Weatherproofing Division
Fire Protection Systems Group
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System No. W-L-2463
November 03, 2005
F Ratings - 1 and 2 Hr (See Item 1)
T Ratings - 1 and 2 Hr (See Item 1)

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Drawing Not to Scale

1. **Wall Assembly** - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - A. **Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of non 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
 - B. **Gypsum Board**^a - 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 5 in. (127 mm).
2. **Hourly Fire and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.**
3. **Through Penetrant** - Multiple nonmetallic tubing for use in closed (process or supply) piping systems. Max 4 in. (102 mm) diam bundle of tubes in opening, tightly bundled. The annular space between bundle of tubes and periphery of opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Tubing to be rigidly supported on both sides of wall assembly. The following types of tubing may be used:
 - A. **Crosslaminated Polyethylene (PEX) Tubing** - Nom 1 in. (25 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems.
 - B. **Fill, Void or Cavity Materials**^a - Caulk - Min 5/8 in. (16 mm) thickness of fill material applied into interstices of tubes to maximum extent possible, on both sides of wall. Min 1/2 in. (13 mm) diam bead of caulk applied to the tubing/gypsum interface at the point contact location on both sides of wall.

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System No. W-LL-8036
 February 07, 2003
 F Rating - 1 and 2 Hr (See Item 1B)
 T Rating - 0 Hr

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1. **Wall Assembly** - The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series UL Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - A. **Studs** - Wall framing may consist of either wood studs or steel channel stud. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. O.C. with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. O.C.
 - B. **Gypsum Board** - 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/2 in.
- The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Through Penetrant** - A max of two pipes or tubing to be installed within the opening. Of the two pipes, or tubing, only one of the pipes or tubing shall have a nom diam greater than 1/2 in. The annular space between pipes and tubing and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. The pipes or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
 - A. **Steel Pipe** - Nom 1 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. **Copper Pipe** - Nom 1 in. diam (or smaller) cast or ductile iron pipe.
 - C. **Iron Pipe** - Nom 1 in. diam (or smaller) Type L (or heavier) copper tubing.
 - D. **Copper Pipe** - Nom 1 in. diam (or smaller) Regular (or heavier) copper pipe.
 3. **Tube Insulation - Plastics** - Nom 3/4 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. The tube insulation may be installed on a max of one pipe or tubing. The annular space between penetrating item and periphery of opening shall be min 1/2 into max 3/8 in. The space between pipes or tubing shall be 0 in. (point contact).
 - See **Plastics**® (OMITZ) category in the Recognized Component Directory for names for manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
 4. **Cables** - One 4 pair No. 18 AWG (or smaller) thermostat cable with polyvinyl chloride (PVC) insulation and jacket materials. Cable to be spaced a min 0 in. (point contact) to max 1/2 in. from the other penetrants. The space between the cable and the periphery of the opening shall be a min 0 in. (point contact) to max 1/2 in. Cable to be rigidly supported on both sides of wall assembly.
 5. **Fill, Void or Cavity Material** - **Sealant** - Min 1/2 in. thickness of fill material applied within annulus, flush with both surfaces of wall. Additional fill material to be to be forced into interstices within groups of penetrating items to max extent possible and installed such as min 1/4 in. thick crown is formed around the penetrating items and lapping 1/4 in. beyond the periphery of the opening.

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 Sealants & Waterproofing Division
 Integrated Technical Solutions Dept.
 3735 Green Rd., Beachwood, OH 44122
 Toll Free: 866-209-7055
 www.remcofirestop.com

System No. BW-S-0006
 March 12, 2004
 Assembly Ratings - 1 and 2 Hr (See Item 2)
 Joint Width - 1 in. (25 mm) Max

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Drawing Not to Scale

- Floor Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100 - 150 pcf (1600-2400 kg/cu meter)) structural concrete. Floor may also be constructed of any 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units***.

See **Precast Concrete Units** category in the Fire Resistance Directory for names of manufacturers.

- Wall Assembly** - The 1 or 2 hr fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory. In addition, the wall may incorporate a head-of-wall joint system constructed as specified in the HW Series Joint Systems in the UL Fire Resistance Directory. The wall shall include the following construction features:

- Steel Floor Runner** - Floor runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Floor runners to be provided with min 1-1/4 in. (32 mm) flanges. Runners secured with steel fasteners spaced 12 in. (305 mm) OC.
- Studs** - Steel studs to be min 2-1/2 in. (64 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in, resting on and fastened to floor runner with sheet metal screws. Stud spacing not to exceed 24 in. (610 mm) OC.
- Gypsum Board** - Gypsum board installed to a min total thickness of 5/8 in. (16 mm) or 1-1/4 in. (32 mm) on each side of floor for 1 or 2 hr rated wall, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory except that a max 1 in. (25 mm) gap shall be maintained between the bottom of the gypsum board and the top of the concrete floor.

The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.

- Joint System** - Max separation between top of floor and bottom of gypsum board is 1 in. (25 mm). The joint system consists of a packing material and a fill material, as follows:

- Packing Material** - (Optional, Not Shown) - Foam backer rod firmly packed into the gap between the bottom of the gypsum board and the top of the concrete floor and recessed from each surface of the wall to accommodate the required thickness of fill material.
- Fill, Void or Cavity Material** - Sealant - Min 1/2 in. (13 mm) thickness of fill material installed on each side of the wall between the bottom of the gypsum board and the top of concrete floor, flush with each surface of the wall.

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Wall Opening Protective Materials (CLIV)

CLIV R 13432

F Ratings - 1 and 2 Hrs. for Firestop; 2 Hrs. for TREMstop Electrical Box

Inserts

Tremco®

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TREMstop MP - Metallic Outlet Boxes (Shown above, left detail)

Type TREMstop MP moldable putty pads for use with max **4-11/16 by 4-11/16 in.** flush device UL Listed **Metallic** Outlet Boxes installed with **steel cover plates** in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep **steel studs** and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 0.2 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and completely seal against the stud and gypsum board within the stud cavity. An additional 3/4 in. ball of putty pad material used to plug the end of each electrical metallic tube or conduit at its connection to the box. The putty pads may be installed with the release liner intact on the outside of the pad with the exception of any overlaps, in which case the liner is to be removed from the bottom layer. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

Type **TREMstop MP** moldable putty pads for use with max **4 by 4 by 2-1/8 in.** flush device UL Listed **Metallic** Outlet Boxes installed with **steel or plastic cover plates** in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep **steel studs** and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 0.2 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and completely seal against and lap min 1/2 in. onto the stud and gypsum board within the stud cavity. An additional 3/4 in. ball of putty pad material used to plug the end of each electrical metallic tube or conduit at its connection to the box. The putty pads may be installed with the release liner intact on the outside of the pad with the exception of any overlaps, in which case the liner is to be removed from the bottom layer. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

Type **TREMstop MP** moldable putty pads for use with max **14-1/4 by 4-1/2 by 2-1/2 in.** flush device UL Listed **Metallic** Outlet Boxes installed with **steel cover plates** in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep **steel studs** and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 0.2 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and completely seal against and lap min 1/2 in. onto the stud and gypsum board within the stud cavity. An additional 3/4 in. ball of putty pad material used to plug the end of each electrical metallic tube or conduit at its connection to the box. The putty pads may be installed with the release liner intact on the outside of the pad with the exception of any overlaps, in which case the liner is to be removed from the bottom layer. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

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 See UL Fire Resistance Directory for additional information.

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TRENCO®
CLIV R 13432
F Ratings - 1 and 2 Hrs. for TREMstop MP; 2 Hrs. for TREMstop Electrical Box
Inserts
Drawing Not to Scale

TREMstop MP - Non-metallic Outlet Boxes (Shown above, center detail)
Type **TREMstop MP** moldable putty pads for use with max 4 by 3-3/4 by 3 in. deep **UL Listed Nonmetallic Outlet Boxes** manufactured by **Carlton Electrical Products**, made of PVC and bearing a **2 hr** rating under the "Outlet Boxes and Fittings Classified for Fire Resistance category in the Fire Resistance Directory. Boxes installed with **steel cover plates**, for use in **1 hr rated** gypsum board wall assemblies framed with min 3-1/2 in. wide **wood studs** and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Min 0.2 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including nailing tabs and completely seal against and lap min 1/2 in. onto the stud, gypsum board and nonmetallic sheathed cable at its connection to the box. The putty pads may be installed with the release liner intact on the outside of the pad with the exception of any overlaps, in which case the liner is to be removed from the bottom layer. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

Type **TREMstop MP** moldable putty pads for use with max 4 by 3-3/4 by 3 in. deep **UL Listed Nonmetallic Outlet Boxes** manufactured by **Carlton Electrical Products**, made of PVC and bearing a **2 hr** rating under the "Outlet Boxes and Fittings Classified for Fire Resistance category in the Fire Resistance Directory. Boxes installed with **plastic cover plates**, for use in **2 hr rated** gypsum board wall assemblies framed with min 3-1/2 in. wide wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Min 0.2 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including nailing tabs and completely seal against and lap min 1/2 in. onto the stud, gypsum board and nonmetallic sheathed cable at its connection to the box. The putty pads may be installed with the release liner intact on the outside of the pad with the exception of any overlaps, in which case the liner is to be removed from the bottom layer. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back to back.

TREMstop Electrical Box Inserts (Shown above, right detail)
Type **TREMstop Electrical Box Inserts**, for use with max 4-1/16 by 4-11/16 by 2-1/8 in. flush device **UL Listed Metallic Outlet Boxes** without internal clamps installed with steel extension rings and steel cover plates in 2 h fire rated gypsum board wall assemblies framed with min 3-5/8 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. One 4-1/2 by 4-1/2 in. insert adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product. Installation to comply with the National Electrical Code (NFPA 70). When protective material is used within outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

Use and Installation
For additional information on the use and installation of TREMstop Putty Pads and TREMstop Electrical Box Inserts, please see the Introduction to the **Wall Opening and Protective Materials (CLIV)** Category in the **UL Fire Resistance Directory**.

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Historical Connection With
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Tremco Incorporated
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Toll Free: 866-209-7055
www.tremcofirestop.com

System No. HW-D-0256

July 22, 2005
Assembly Ratings - I and 2 hr (See Items 2 and 3)
Nominal Joint Width - 1/2 in.
Class II and III movement capabilities - ≥ 5% compression or extension (See Item 2)

Drawing Not To Scale

SECTION A-A

1. **Floor Assembly** – The fire rated steel deck / concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features
 - A. Steel Floor And Form Units*** - Max 3 in. deep galv steel floor units.
 - B. Concrete** - Min 2-1/2 in. thick reinforced lightweight or normal weight concrete, as measured from the top plane of the floor units.
- 1A. **Roof Assembly – (Not Shown)** – As an alternate to the floor assembly, a fire-rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall. The roof assembly shall include the following construction features:
 - A. Steel Roof Deck** - Max 3 in. deep galv steel roof deck.
 - B. Roof Insulation** - Min 2-1/4 in. thick poured insulating concrete, as measured from the top plane of the roof deck.
2. **Wall Assembly** – The 1 or 2 hr fire-rated gypsum board stud wall assembly shall be constructed of the materials and in the manner described in the individual L400 and V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - A. Steel Floor And Ceiling Runners** - Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs. Ceiling runner to be sloped with min 1-1/4 in. flanges. Ceiling runner secured to steel floor units or roof deck with steel fasteners or welded spaced max 12 in. OC.
 - A1. Light Gauge Framing*** - Vertical Deflection Clip – As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner is secured to bottom of steel floor units or roof deck with steel fasteners or by welds spaced max 24 in. OC.
- SLIPTRACK SYSTEMS INC. - SLP-TRK**
- THE STEEL NETWORK INC. - VertTrack® VTD250, VTD238, VTD400, VTD600 and VTD800**
- A3. Light Gauge Framing - Vertical Deflection Clip** - (Optional) Steel clips can be used in conjunction with steel studs (Item 2B) or ceiling runner (Item 2A). Clips installed over the top of studs and inserted within the ceiling runner. Clip shall be secured to the ceiling runner with No. 8 self drilling, self tapping steel fasteners through holes provided within the clip. Clip may be secured to the wall with No. 6 pan head steel screw through holes provided within the clip. As an alternate, the legs of the clip may be installed over the top of the stud without attachment in accordance with manufacturer's installation instructions.
- FLEX-ABILITY CONCEPTS L.L.C. - Three Legged Dog Deflection Clip**
- B. Studs** - Steel studs to be min 3-5/8 in. wide. Studs cut 1/2 in. to 3/4 in. less in length than assembly height with the bottom nesting in and resting on floor runner and with the top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 12 in. long wafer head steel screws at midheight of slot on each side of wall. When vertical deflection clipping runner (Item 2A2) is used, steel studs secured to slotted vertical deflection clips, through the bushings, with steel screws at midheight of each slot. Stud spacing not to exceed 24 in. OC.

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Sealant/Weatherproofing Division
Fire Protection Systems Group
2626 Pearl Rd. Medina, OH 44256
Toll Free: 866-209-7055
www.tremcofirestop.com

System No. HW-D-0256
July 22, 2005
Assembly Ratings - 1 and 2 hr (See Items 2 and 3)
Nominal Joint Width - 1/2 in.
Class II and III movement capabilities - 25 % compression or extension (See Item 2)

Drawing Not to Scale

C. **Gypsum Board*** - Gypsum board sheets installed to a min total thickness of 5/8 in. and 1-1/4 in. on each side of wall for 1 and 2 hr fire rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that the gypsum board is cut to follow the contour of the steel floor units or roof deck with a nom 1/2 in. gap maintained between the gypsum board and the steel floor units or roof deck. In addition, the top row of screws shall be installed into the steel studs 1/2 to 1 in. below the bottom edge of the ceiling runner flange.

The hourly fire rating of the joint system is dependent on the hourly rating of the wall assembly in which it is installed. The movement capability of the joint system is Class II and III except that when the vertical deflection clip (Item 2A3) is used, the movement capability is Class II only.

3. **Joint System** - Max separation between bottom of steel floor units or roof deck and top of wall is 1/2 in. The joint system is designed to accommodate a max 25 percent compression or extension from its installed width. The joint system consists of the following:

A. **Forming Material*** - (Optional) - (Not shown) - Nom 3 in. thick, min 4 per cent density mineral wool batt insulation cut into strips to fill the gap between the top of the ceiling runner and bottom of the steel floor units or roof deck. Mineral wool cut into strips having a width equal to ceiling runner and length approximately 2-1/2 in. longer than flute bottom length, then compressed into flute cavity.

B. **Forming Material** - (Optional) - (Not shown) - In 2 hr fire rated wall assemblies, back hanger rod friction fit into joint opening and recessed a min 5/8 in. from each surface of wall.

C. **Fill, Void or Cavity Material*** - **Sealant** - Min 5/8 in. thickness of fill material applied within joint opening on both sides of wall, flush with each surface of gypsum board. For 1 hr systems or in 2 hr systems where forming material (Item 3B) is not used, optional bond breaker tape may be applied to ceiling runner on each side of wall.

TREMCO INC. - TREMstop Acrylic
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PROJECT	
BUTCHER AND BARREL LLC 3580 NE 12TH AVE. OAKLAND PARK, FL 33334	
REVISIONS DATES:	
09.19.19 CITY SET	
PROFESSIONAL SEAL	
SCOTT L. LASKY # AR001184 REGISTERED ARCHITECT STATE OF FLORIDA	
ISSUE DATE: 09.17.19 PROJECT #: 310.1295 DRAWN BY: KM CHECKED BY: SL-CC	
UL LISTINGS	
CS-4	


ONLINE CERTIFICATIONS DIRECTORY

BXU/L419 - Fire Resistance Ratings - ANSI/UL 263

Design No. U419
BXU/L419
Fire Resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements governing the installation and use of UL Certified products, equipment, systems, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

See General Information for Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U419

May 14, 2014

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5)

When used in Canada it is required that all materials included within the UL design are also cUL certified.

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BDUV U419 - Fire Resistance Ratings - ANSI A203

Rating, Hr	Min Stud Depth, In of Panel	Min Stud Depth, In of Panel	No. of Layers, 5/8 in. Thick	Min. Thickness of Insulation (Type 4)
1	3-1/2	Items 2, 2C, 2D, 2F and 2G	1 layer, 5/8 in. thick	Optional
1	2-1/2		1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8		1 layer, 3/4 in. thick	Optional
2	1-5/8		2 layers, 1/2 in. thick	Optional
2	1-5/8		2 layers, 5/8 in. thick	Optional
3	3-1/2		1 layer, 3/4 in. thick	3 in.
3	1-5/8		3 layers, 1/2 in. thick	Optional
3	1-5/8		2 layers, 3/4 in. thick	Optional
3	1-5/8		3 layers, 5/8 in. thick	Optional
4	1-5/8		4 layers, 5/8 in. thick	Optional
4	1-5/8		4 layers, 1/2 in. thick	Optional
4	2-1/2		2 layers, 3/4 in. thick	2 in.

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; 5/8 in. thick Type C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRG; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRG; 5/8 in. thick Type SCX, SDX, SHX, WRX, IP-X1, AR, C, WRG, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USO MEXICO S A DE CV — 1/2 in. thick Type C, IP-X2, IPC-AR or WRG; 5/8 in. thick Type C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRG; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, **Steel Framing Members**, is used, Nonbearing Wall Rating is limited to 1 HR. Min. steel depth is 1-1/2" min. thickness of insulation (Item 4) is 1/2" and two layers of gypsum board panels (1/2" or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2" or 5/8 in. thick) is required to apply the same type of stud without furring channels as described in Item 6.

5A. Gypsum Board – (An alternate to Item 5) – 5/8 in. thick, 24" x 54", used 1/2" wide, applied horizontally as the base layer on one side of the assembly. See channels as described in Item 6.

C/C/C Inc. – Type SHX.

UNITED STATES Gypsum Co. – Type FRX-G, SHX.

USE MEXICO SA DE CV – Type SHX.

5B. Gypsum Board – (Not shown) – (An alternate to Item 5) when used as the base layer on one or both sides of wall when 5/8 in. or 1/2 in. thickness products are specified. For direct attachment only to steel studs Item 2A, [not to be used with Item 3] – Non 5/8 in. or 1/2 in. may be used as alternate to all 5/8 in. or 1/2 in. Item 5. Wallboard Protection on Both Sides of Wall table. Non 5/8 in. or 1/2 in. thick lead-based gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered 1/2" on each side of each stud. Gypsum board secured to 70 MBS steel studs with 2A with 1-1/4 in. long Type 5-1/2 steel screw spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Based Strip (see Item 10) and Use Discs or Tabs (see Item 12).

RAY-B Engineering Corp. – Type RB-LBG

5 SC. **Gypsum Board*** – (For Use With Item 28) Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally (vertical application). The gypsum board is to be installed on each side of the studs with a 1 in. long Type 5 coated steel screw spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the top and the bottom of the board at the same place. Vertical joints are to be centered over studs and staggered.

1. **Floor and Ceiling Runners** – (Not show) – For use with Item 2 - Channel shaped, fabricated from min 25 E80 emission protected steel, min depth to accommodate steel size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members + Floor and Ceiling Runners** – (Not show) – In lieu of Item 1 – For use with Item 2B, proprietary channel protected steel, min depth to accommodate steel size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO – Viper25™ Track

CRACO MFG INC – SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC – Viper25™ Track

PHILLIPS MFG CO LLC – Viper25™ Track

1B. **Framing Members + Floor and Ceiling Runner** – (Not show) – In lieu of Item 1 – For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO – Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC – Viper20™ Track

PHILLIPS MFG CO LLC – Viper20™ Track

1C. **Framing Members + Floor and Ceiling Runners** – (Not show) – In lieu of Item 1 - Channel shaped, attached to floor and ceiling with fasteners 24 in. OC max.

ALLSTEEL & GYPSUM PRODUCTS INC – Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV – Type SUPREME Framing System

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one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with a 1 in. long screw spaced 8 in. OC along vertical and bottom edges and 12 in. OC starting 4 in. from the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of the studs. Gypsum boards are to be installed on the stud cavity track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the board at the same location. All horizontal joints are to be backed as outlined under section 07 05 11 of Volume 1 in the Fire Resistance Directory.

CGC INC – Type SCK.

UNITED STATES GYPSUM CO – Type SCK, SGX.

USC MEXICO SA DE CV – Type SCK.

SD. Gypsum Board* – (As an alternate to Item 5) – 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.

UNITED STATES GYPSUM CO – Type USGX.

SE. Gypsum Board* – (Not shown) – (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in. thick products are specified, for direct attachment only to steel studs with 2x4s, not to be used with Item 3). Nominal 5/8 in. thick backed gypsum panels with beveled, square or tapered edges. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1/4 in. long Type S-12 (No. 6) by 1/4 in. long bugle end fire drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND FLOOR BURNING CO, INC. DBA NECO – Nitro

SF. Gypsum Board* – (As an alternate to Item 5) – For use with Items 1E and 2E and limited to 1 Hour Rating only. Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel wallboard shall be a minimum 3/8 in. thick.

UNITED STATES GYPSUM CO – 5/8 in. thick Type SCK, SGX.

5G. **Gypsum Board** – (As an alternate to Item 5) – For use with Items 16 and 28 only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud away. Opposite sides of steel studs. Vertical joints staggered one stud away. Horizontal joints staggered one stud away. Horizontal joints staggered one stud away. Opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in studs and (multiple) layers of studs staggered a minimum of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Installation on Each Side of Wall

Rating, hr	Min Steel Depth, in. of Item 2	No. of Layers & Thickness of Gypsum	Min Thickness of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC - 1/2 in. thick Type C, IP-X2 or IPC-AR; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO - 1/2 in. thick Type C, IP-X2, IPC-AR; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

<http://database.us.com/cgi-bin/XY/TemplateLSEXT/IFrame/showpage.html?name=BXUW4U196&cssroot=http://Fire+Resistance+Ratings++ANSIUL+263...>

BXULV/U419-Fire Resistance Ratings – ANSIUL263
QUAIL BUILDING MATERIALS INC – Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO – Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC – Type SUPREME Framing System

UNITED METAL PRODUCTS INC – Type SUPREME Framing System

1D. Floor and Ceiling Runners – (Not shown) – For use with Item 2A- Channel shaped, fabricated from min 20 M50 corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced 24 in. OC.
1E. Framing Members* – Floor and Ceiling Runners – (Not shown, As an alternate to Item 1) – For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIERICH BUILDING SYSTEMS – CD ProTRAK

DHFCWBS LLC – ProTRAK

MBA BUILDING SUPPLIES INC – ProTRAK

RAM SALES LLC – Ram ProTRAK

SOUTHEASTERN STUD & COMPONENTS INC – ProTRAK

STEEL STRUCTURAL SYSTEMS LLC – Trn-5 ProTRAK

1F. Framing Members* – Floor and Ceiling Runners – Not shown - In lieu of Item 1 – For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

SUPER STUD BUILDING PRODUCTS – The Edge

1G. Framing Members* – Floor and Ceiling Runner – for use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.

STUDIO BUILDING SYSTEMS – CROCDUST Track

1H. Floor and Ceiling Runners – (Not shown) – Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MAKING WARE, DIV OF WARE INDUSTRIES INC – Viper20™ Track. VT100.

1I. Framing Members* – Floor and Ceiling Runners – (Not shown, As an alternate to Item 1) – For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

TELLING INDUSTRIES LLC – TRUE-TRACK™

1J. Framing Members* – Floor and Ceiling Runner – Not shown - In lieu of Item 1 – For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

TELLING INDUSTRIES LLC – Viper25™ Track

<http://database.ulc.ca/cimc/5m/5mtemplate/SELECT/FRAM/showpage.html?name=BXULV/U419&cnc=trifire/Fire-Resistance-Ratings+--+ANSUL263...>

BULKY / Ultra-Fire Resistance Ratings - ANSUL 203

USO MEXICO S A DE CV – 1/2 in. thick Type II-PCX; IPRC-A or; 5/8 in. thick Type AR, C, IPAR, IP-XI, IP-XII, IP-XIII, SCU, SHG, or 3/4 in. thick Types IP-XD or ULTRACOR.

SH. Gypsum Board® – (Not Shown) – (As an alternate to Item 5 when used as the base layer on one or both sides of wall with 5/8 in. x 12 ft. products are specified. For direct attachment only to steel studs Items 2A, (not to be used with Item 3). Non 5/8 in 3/4 in., may be applied as alternate to #5 5/8 in 3/4 in., shown in cross section. Wallboard secured to studs with 1 1/4 in. long Type S-12 steel gypsum panel steel screws with beveled square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs staggered minimum 1' stud cavity. End joints staggered 6" from top/bottom edge of wall. Minimum 1/2 in. long Type S-12 steel screw spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board required behind all points of lead butt adhesive and embedded into remaining stud locations. Lead batten strips, min 1/2 in. wide, max 8 ft long with a max thickness of .04 in., placed on the face of studs and attached to the stud with construction adhesive and one 9 lb. long Type S-12 pan head steel screw, one at the top of the stud.

MAYCO INDUSTRIES INC. – Type X-Ray Shielded Gypsum

51. Gypsum Board® – (As an alternate to Item 5) Non 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall as indicated in Item 5.

GCC INC. – Type ULX

UNITED STATES GYPSON CO. – Type ULX

USO MEXICO S A DE CV – Type PCYL

53. Gypsum Board® – (Not Shown) – (As an alternate to Item 5 when used as the base layer on one or both sides of wall with 1/2 in. or 5/8 in thick products are specified. For direct attachment only to steel studs Items 2A, (not to be used with Item 3). Non 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered minimum 1' stud cavity end joints of studs. Wallboard secured to studs with 1 1/4 in. long Type S-12 steel screw gypsum panel steel screws min 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind all points of lead butt adhesive and embedded into remaining stud locations. Lead batten strips, min 1/2 in. wide, max 8 ft long with a max thickness of .04 in., placed on the face of studs and attached to the stud with construction adhesive and one 9 lb. long Type S-12 pan head steel screw, one at the top of the stud.

Compression fitted and adhered over the screw heads. Lead beaten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-C-350.

RADIATION PROTECTION PRODUCTS INC. Type A-PP - Lead Dried Drywall

6. Fasteners – (Not shown) – For use with Items 2 and 2F. Type 5 or 6-1/2 steel screw used to attach panels to studs (Item 2) or turning channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 and 1 in. thick panels. **Double layer systems:** 1-1/2 in. long for 1/2 and 5/8 in. thick panels and bottom edge of Item 2 for 1/2 and 5/8 in. thick panels or 1-3/4 in. long for 3/4 and 1 in. thick panels. **Two layer systems:** 1-1/2 in. long for 1/2 and 5/8 in. thick panels or 1-3/4 in. long for 3/4 and 1 in. thick panels. **Three layer systems:** 1-1/2 in. long for 1/2 and 5/8 in. thick panels or 1-3/4 in. long for 3/4 and 1 in. thick panels. **Four layer systems:** 1-1/2 in. long for 1/2 and 5/8 in. thick panels, spaced 16 in. O.C. with screws offset 8 in. from first layer. **Three panels systems:** 1-1/2 in. long for 1/2 and 5/8 in. thick panels, spaced 16 in. O.C. **Third layer:** 2-1/4 in. long for 1/2 in. 5/8 in. thick panels or 2-5/8 in. long for 3/4 and 1 in. thick panels. **Fourth layer:** 2-1/4 in. long for 1/2 in. 5/8 in. thick panels or 2-5/8 in. long for 3/4 and 1 in. thick panels. **Spaced:** 2-1/4 in. long for 1/2 and 5/8 in. thick panels, spaced 24 in. O.C. **Second layer:** 1-5/8 in. long for 1/2 in. 5/8 in. thick panels, spaced 24 in. O.C. **Third layer:** 2-5/8 in. long for 1/2 in. 5/8 in. thick panels or 3 in. long for 3/4 and 1 in. thick panels, spaced 24 in. O.C. **Fourth layer:** 2-5/8 in. long for 1/2 in. 5/8 in. thick panels or 3 in. long for 3/4 and 1 in. thick panels, spaced 24 in. O.C.

7. Furring Channels – (Optional, not shown, for single or double layer systems) – Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. O.C. Flange portion attached to each intersected stud with a 5/8 in. x 1-1/2 in. steel screw.

7A. Framing Members – (Optional, not shown, for single or double layer systems) – As an alternate to Item 7, furring channels and Steel Framing Members as described below:

b. **Steel Framing Members** – Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RS1C-1 and RS1C-1 (2.75) clips secured to studs with 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RS1C-V and RS1C-V (2.75) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are

1K. **Framing Members* – Floor and Ceiling Runner** – Not shown – In lieu of Item 2 – For use with Item 23, proprietary channel shaped studs, min depth as indicated under Item 2, 1 1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C – Viper20™ Track

2. **Steel Studs** – Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. **Steel Studs** – (As an alternate to Item 2, For use with Items 5B, 5E, 5H and 5J) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2. **Framing Members* – Steel Studs** – (As an alternate to Item 2, For use with Items 5C or 5J) – Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the well. For direct attachment of gypsum board to studs.

CALIFORNIA EXPANDED METAL PRODUCTS CO – Viper25™

CRACO MFG INC – SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC – Viper25™

PHILLIPS MFG CO L L C – Viper25™

2C. **Framing Members* – Steel Studs** – Not shown – In lieu of Item 2 – proprietary channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO – Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC – Viper20™

PHILLIPS MFG CO L L C – Viper20™

2D. **Framing Members* – Steel Studs** – In lieu of Item 2 – Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC – Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV – Type SUPREME Framing System

QUALTRUN BUILDING MATERIALS INC – Type SUPREME Framing System

SCAFFO STEEL STUD MANUFACTURING CO – Type SUPREME Framing System

GALVEN STRUCTURAL SYSTEMS INC – Type SUPREME Framing System

UNITED METAL PRODUCTS INC – Type SUPREME Framing System

2E. **Framing Members* – Steel Studs** – (Not shown, As an alternate to Item 2) –For use with Items 5F or 5G or 5I only, channel shaped studs, min depth as indicated under Item 5, 5G or 5I, fabricated from min .0015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARK/CRITCHFIELD BUILDING SYSTEMS – CO ProSTUD

BMV (U419 - Fire Resistance Ratings - ANSIUL 203)

friction fitted into clips. RSC1-1 and RSC1-V clips for use with 2-9/16 in. wide framing channels. RSC1-2 (2.75) and RSC1-V (2.75) clips for use with 2-9/32 in. wide framing channels.

PAC INTERNATIONAL INC. – Types RSC1-1, RSC1-V, RSC1-1 (2.75), RSC1-V (2.75).

78. Framing Members – (Optional, Not Shown) – As an alternate to Item 7, for single or double layer systems, framing channels and Steel Framing Members as one option to studs as described below:

- a. **Furring Channels** – Formed of No. 25 MSG galv steel, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 5. Hats and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5, but for use with Item 5A and 5E.
- b. **Steel Framing Members** – Used to attach furring channels (Item 7a) to studs (Item 2) only. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 1 1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

KINETICS FIRE CONTROL INC. – Type Isolmax

79. Framing Members – (Not Shown) – (Optional on one or both sides, Not shown, for single or double layer systems) – As an alternate to Item 7, furring channels and Steel Framing Members as described below:

- a. **Furring Channels** – Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 5. Gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A and 5E.
- b. **Steel Framing Members** – Used to attach furring channels (Item 7a) to studs (Item 2). Clips spaced max. 48 in. OC. GENECLIPS secured to studs with No. 8 x 1 1/2 in. minimum self-drilling screws through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC. – Type GENECLIP

79. Steel Framing Members – (Optional, Not Shown) – Furring channels and resilient sound isolaton clip as described below.

a. Furring Channels – Formed of No. 25 MSG galv steel. Spaced 24 in. O.C. perpendicular to studs, depending upon design used as described in item 6. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8 x 1-2 Self Drilling screws. Furring channels are spaced at 4 ft. intervals and attached to furring channels as described in item 4. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - located approximately 1/2 ft. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced at 12 in. O.C. and finally 1/2 in. gap between stud with 1/4 in x 5/8 in x 5/8 in.

b. Steel Framing Members – Resilient sound isolation clips used to attach framing channels (item 70a) to studs. Clips spaced 24 in. O.C. and secured to studs with No. 10 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

c. STUD BUILDING SYSTEMS – RESILMOUNT Sound Isolation Clips Type A237 or A237R

d. Joint Tape and Compound – Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, non w.t. embeeded in first layer of compound over all joints and outer layer panels. Paper tape, non w.t. embeeded in second layer of compound supplied with a square edge.

e. Siding, Brick or Stone – Optional, not shown. Aluminum, vinyl or steel siding, brick veneer or stone, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal bbs attached to each stud with steel screws, not more than each sixth course of bricks.

10 UNITED STATES GYPSUM CO – Type AS

11. **Lead Batten Strips** – (Not Shown, For Use With Item 5B) - Lead batten strips, min 1-1/2" wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and

DNFWB5 LLC – ProSTD

BOXY U419 - Fire Resistance Ratings - ANSIUL 263.

MBA BUILDING SUPPLIES INC – ProSTD

RAM SALES LLC – Ram ProSTD

SOUTHEASTERN STUD & COMPONENTS INC – ProSTD

STEEL STRUCTURAL SYSTEMS LLC – Tri-S ProSTD

2F. Framing Members* – Steel Studs – Not shown - In lieu of Item 2 - proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

SUPER STUD BUILDING PRODUCTS – The Edge

2G. Framing Members* – Steel Studs – Not shown - In lieu of Item 2 - proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.

STUCCO BUILDING SYSTEMS – CROCSUD

2F. Framing Members* – Steel Studs – (Not shown, As an alternate to Item 2) - Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

TELLING INDUSTRIES LLC – TRUE-STD™

2F. Framing Members* – Steel Studs – (As an alternate to Item 2, For use with Items SC or SL) - Proprietary channel shaped studs, 3/8-1/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/8" gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

TELLING INDUSTRIES LLC – Viper25™

2F. Framing Members* – Metal Studs – Not shown - In lieu of Item 2 - proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

TELLING INDUSTRIES LLC – Viper20™

3. Wood Structural Panel Sheathing – (Optional, For use with Item 5 Only.) (Not Show) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DCC PSI or E2, or AIA Standard SPP-108, 1/2 in. thick, 4 ft wide, 1/2 in. thick, applied horizontally or vertically to the steel studs, Vertical joints centered on studs, and staggered one stud space from wallboard joints. Vertical joints with face-lead self-drilling tapping screws with a min. head diam. of 6.232 in. at maximum 6 in. OC in the perimeter and 12 in. OC in the field. When used, fastener lengths for gypsum panels increased by min. 1/2 in.

4. Batts and Blankets* – (Required as indicated under Item 5) - Mineral wool batts, friction fitted between studs and runners. Min non-thickness as indicated under Item 5. See: **Batts and Blankets (BXNVR or B232)**

Categorize for names of Classified companies

4A. Batts and Blankets* (Optional) – Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BXNVR or B232) Categories** for names of Classified companies.

5. Gypsum Board – Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be staggered. Vertical, horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

http://database.ces.cdnv.com/Venue/LSXET/FRAME/showpage.htm?Frame=BOXY U419&source=Fire-Resistance-Ratings-ANSIUL-263... 9/10

BMU/U419 - Fire Resistance Ratings - ANSIULC 2

one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-Q-1201, Grade "B". Lead batten strips required behind vertical joints of lead backed gyp board (item 58A) and optional at remaining stud locations. Required behind panel joints.

11A. Lead Batten Strips – (Not Show, for Use With Item 58D) Lead batten strips, 2 in. wide, max 10 ft long thin thickness of 0.142 in., Strip length shall be 10 feet. Leads shall extend from top of wall studs to ceiling, 1 in. long min. Type S-P pan head steel screw, one at the top of the strip and one at the bottom of the strip and one mid, 1 in. long min. Type S-P pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-Q-1201, Grade "B", C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

Lead Discs or Tabs – (Not Show, for Use With Item 58I) - Lead disc or in addition to the lead batten strips (Item 11) at optional at other locations. Lead discs or tabs shall be 1/4 in. thick lead disc compression fitted & adhered over steel screws with max 1/2 in. by 1 in. by max 0.125 in. thick lead disc compression fitted & adhered over steel screws with max 1/2 in. by 1 in. by max 0.125 in. thick lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-Q-1201, Grade "G".

Lead Discs – (Not Show, for use with Item 58J Max 5/16 in. diam by max 0.140 in. thick lead disc compression fitted & adhered over steel screws with max 1/2 in. by 1 in. by max 0.140 in. thick lead discs or tabs to have a purity of 99.9% meeting the Federal Specification QQ-Q-1201, Grades "B", C or D".

11B. Lead Batten Strips – (Not Show, for Use With Item 58E) Lead batten strips, 2 in. wide, max 10 ft long thin thickness of 0.142 in., Strip length shall be 10 feet. Leads shall extend from top of wall studs to ceiling, 1 in. long min. Type S-P pan head steel screw, one at the top of the strip and one at the bottom of the strip and one mid, 1 in. long min. Type S-P pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-Q-1201, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

11C. Lead Batten Strips – (Not Show, for Use With Item 58L 2 in. wide, 10 ft long with a maximum thickness of 0.142 in., Strip length shall be 10 feet. Leads shall extend from top of wall studs to ceiling, 1 in. long min. Type S-P pan head steel screw, one at the top of the strip and one at the bottom of the strip and one mid, 1 in. long min. Type S-P pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-Q-1201, Grade "G". Lead tabs may penetrate the lead tabs to have a purity of 99.9% meeting the Federal specification QQ-Q-1201, Grade "G". Lead tabs may be placed in place with standard adhesive paste if necessary.

Important database for additional information regarding this product's certification.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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<http://database.ul.com/cgi-bin/XYV/template/UISEXT/1?FRAME=showpage.html?name=BXUV/U419&conshortfile=Fire+Resistance+Ratings+-+ANSI/UL+26...>

UL LISTING NOTES

1. SPECIFICATIONS AND INFORMATION IN THIS SHEET ARE FOR CONTRACTOR INFORMATION ONLY. INFORMATION ARE TAKEN FROM MATERIALS PUBLISHED BY TREMCO AND UL LABS WHO ARE RESPONSIBLE FOR THEIR CONTENT.
2. RECOMMENDED ELEMENTS HAVE BEEN INDICATED, HOWEVER CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE MOST CURRENT VERSION OF ALL LISTED UL SPECIFICATIONS.

BUTCHER AND BARREL LLC

3580 NE 12TH AVE.
OAKLAND PARK, FL 33334

REVISIONS DATES:
09.19.19 CITY SET

PROFESSIONAL SEAL

SCOTT L. LASKY # AR001184
REGISTERED ARCHITECT
STATE OF FLORIDA

ISSUE DATE: 09.17.19
PROJECT #: 310.1295
DRAWN BY: KM
CHECKED BY: SL-CC

LIFE SAFETY

LS-1

EGRESS DOOR REQUIREMENTS

ALL EGRESS DOORS, NEW OR EXISTING, SHALL COMPLY WITH NFPA 101 SECTION 7.2.1, AND THE FOLLOWING REQUIREMENTS:

- MINIMUM CLEAR WITH WIDTH WHEN OPEN 90 DEGREES SHALL BE 32".
- THE ELEVATION OF THE FLOOR SURFACES ON BOTH SIDES OF THE DOOR SHALL NOT VARY BY MORE THAN 1/2". THE ELEVATION SHALL BE MAINTAINED FOR A (MIN.) DISTANCE EQUAL TO THE WIDTH OF THE LEAF.
- IN EXISTING BUILDINGS DOORS DISCHARGING TO THE OUTSIDE, THE FLOORS OUTSIDE MAY BE ONE STEP LOWER THAN THAT OF THE INSIDE (8" MAX).
- THE OPENING FORCE (APPLIED TO THE LATCH STILE) TO FULLY OPEN THE DOOR SHALL NOT EXCEED 15 LBF TO RELEASE THE LATCH, 30 LBF TO SET THE DOOR IN MOTION AND 15 LBF TO OPEN THE DOOR TO THE REQUIRED WIDTH.
- THE OPENING FORCE TO FULLY OPEN AN EXISTING DOOR IN AN EXISTING BUILDING SHALL NOT EXCEED 50 LBF.
- DOOR SHALL BE ARRANGED TO BE OPENED READILY FORM THE EGRESS SIDE WHENEVER THE BUILDING IS OCCUPIED. LOCKS SHALL NOT REQUIRE THE USE OF A KEY, TOOL, EFFORT OR SPECIAL KNOWLEDGE FOR OPERATION ON THE EGRESS SIDE.

LIFE SAFETY NOTES

1. CONTRACTOR TO FIELD VERIFY THE PRESENCE OF A DUCT SMOKE DETECTOR & THAT IT IS IN COMPLIANCE WITH CURRENT LOCAL MECHANICAL CODE.

2. REQUIRED "PRELIMINARY SMOKE / LIFE SAFETY SYSTEM TEST": G.C. TO COORDINATE EXECUTION WITH HVAC SUB , LIFE SAFETY MONITOR SUB - PRIOR TO CONTACTING AND SCHEDULING FINAL SMOKE TEST WITH THE CITY.

3. EXIT ACCESS SHALL BE PERMITTED TO PASS THROUGH STOREROOMS PROVIDED THAT THE FOLLOWING CONDITIONS ARE MET:

3.1. NOT MORE THAN 50 PERCENT OF EXIT ACCESS SHALL BE PROVIDED THROUGH THE STOREROOM

3.2. THE STOREROOM SHALL NOT BE SUBJECT TO LOCKING

3.3. THE MAIN AISLE THROUGH THE STOREROOM SHALL NOT BE LESS THAN 44 in. (112 cm) WIDE

3.4. THE PATH OF TRAVEL THROUGH THE STOREROOM, DEFINED WITH FIXED BARRIERS, SHALL BE DIRECT AND CONTINUOUSLY MAINTAINED IN AN UNOBSTRUCTED CONDITION.

4. PROVIDE (1) TYPE-ABC FIRE EXTINGUISHER FOR EACH 2,500 S.F. AND NOT MORE THAN 75 FEET APART.

5. FIRE EXTINGUISHERS SHALL BE PLACED BY ALL EXIT DOORS AND SHALL BE VISIBLE AND ACCESSIBLE AT ALL TIMES DURING REMODELING.

6. ALL EXIT WAYS SHALL BE KEPT FREE AND CLEAR FOR EXITING AND ENTERING PURPOSES.

NOTE:

FE

 DENOTES 5LB ABC FIRE EXTINGUISHER

FE^K

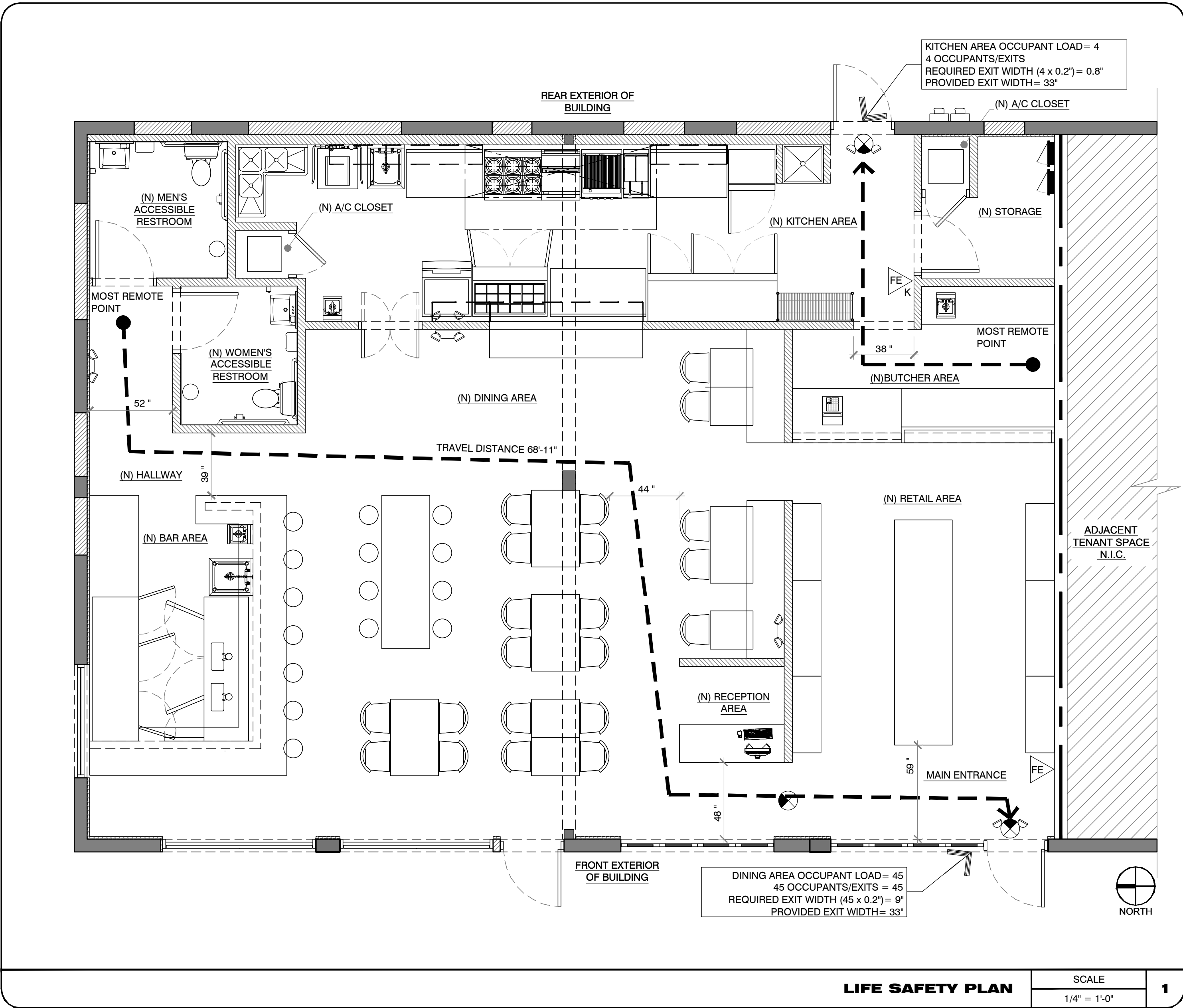
 DENOTES 2.5 GA CLASS K FIRE EXTINGUISHER

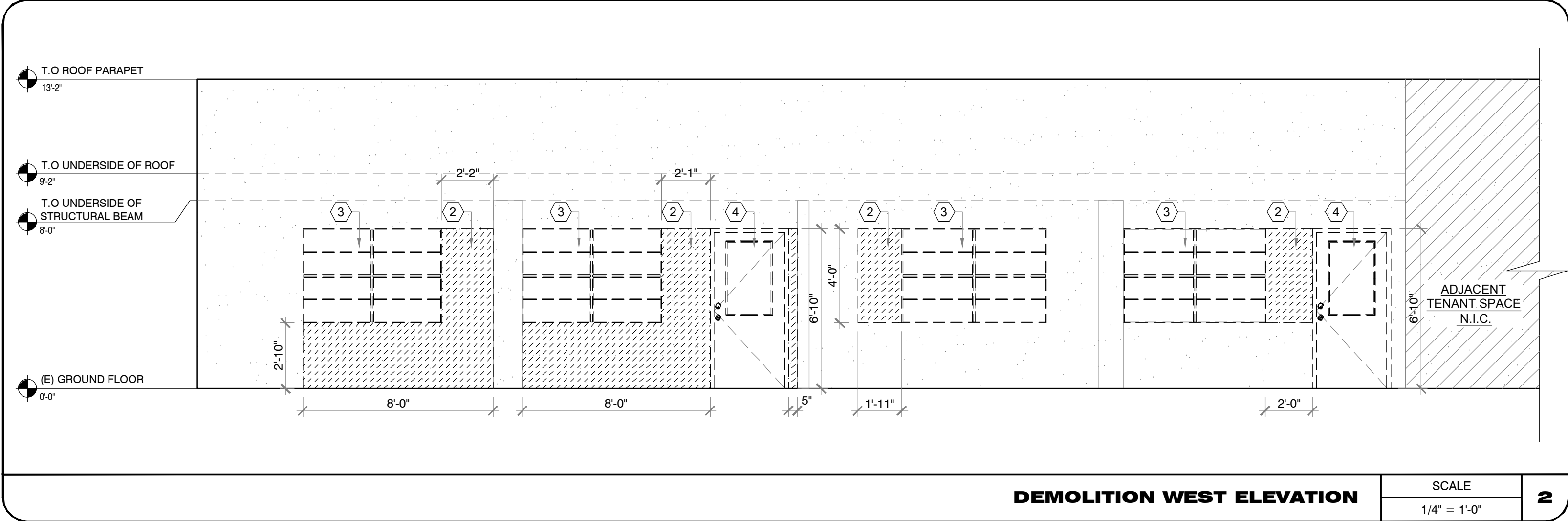
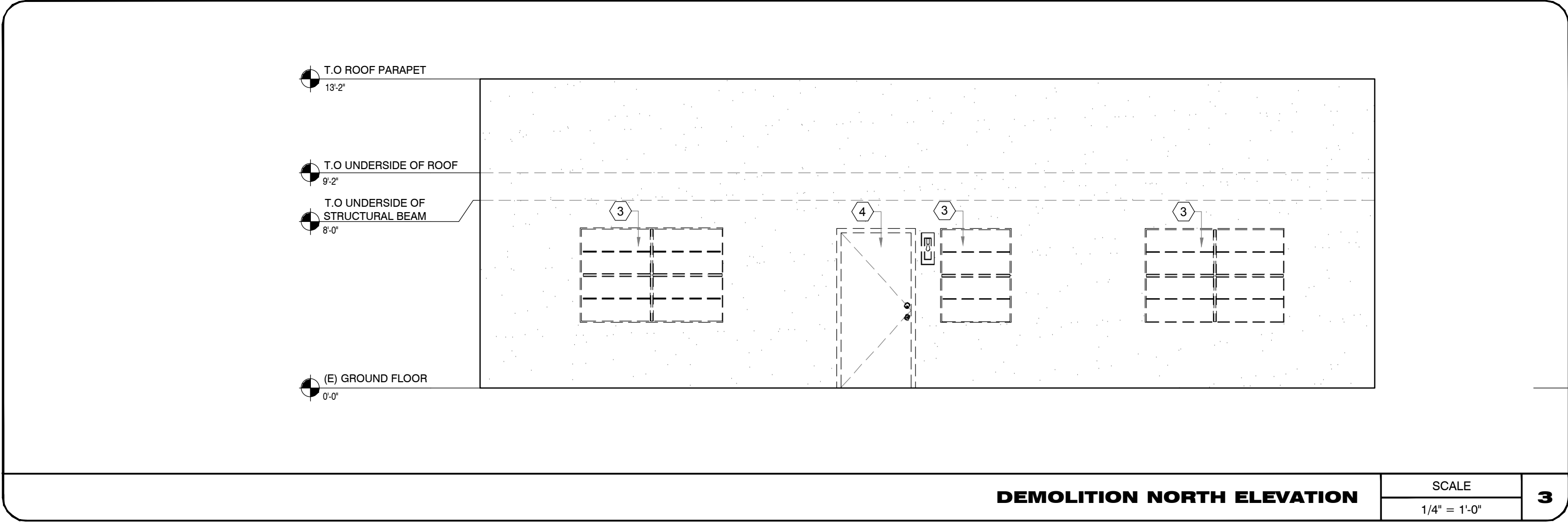
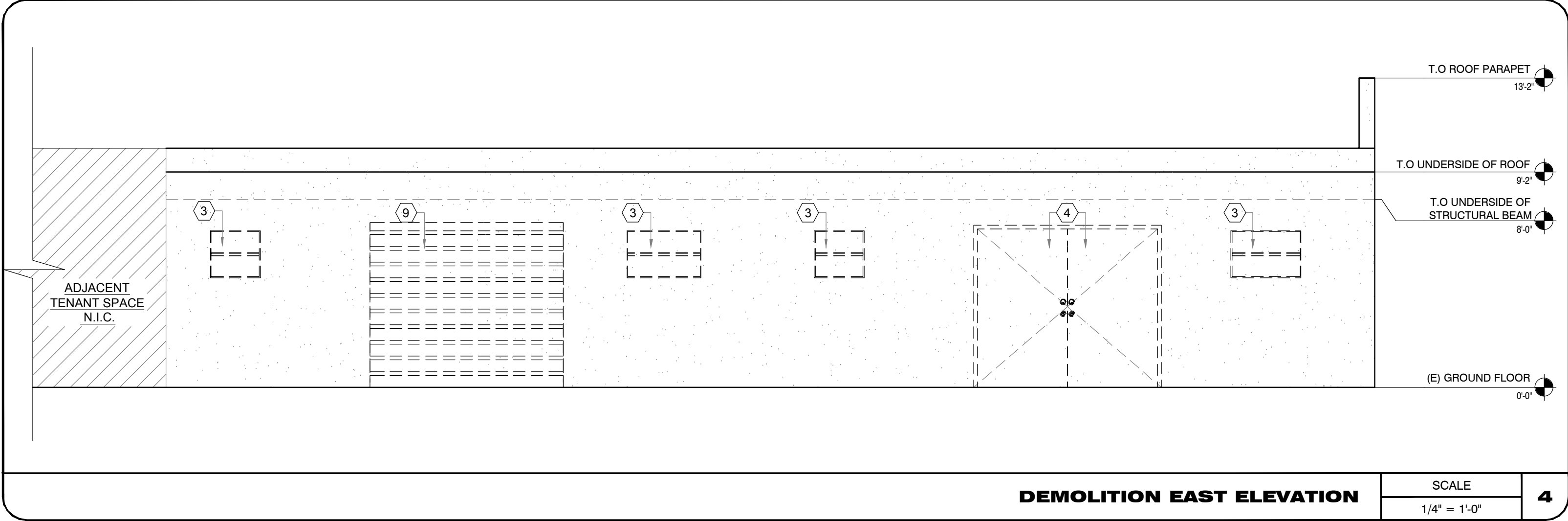
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 DENOTES 5LB ABC FIRE EXTINGUISHER WITH SEMI-RECESSED CABINET

FIXTURE LEGEND

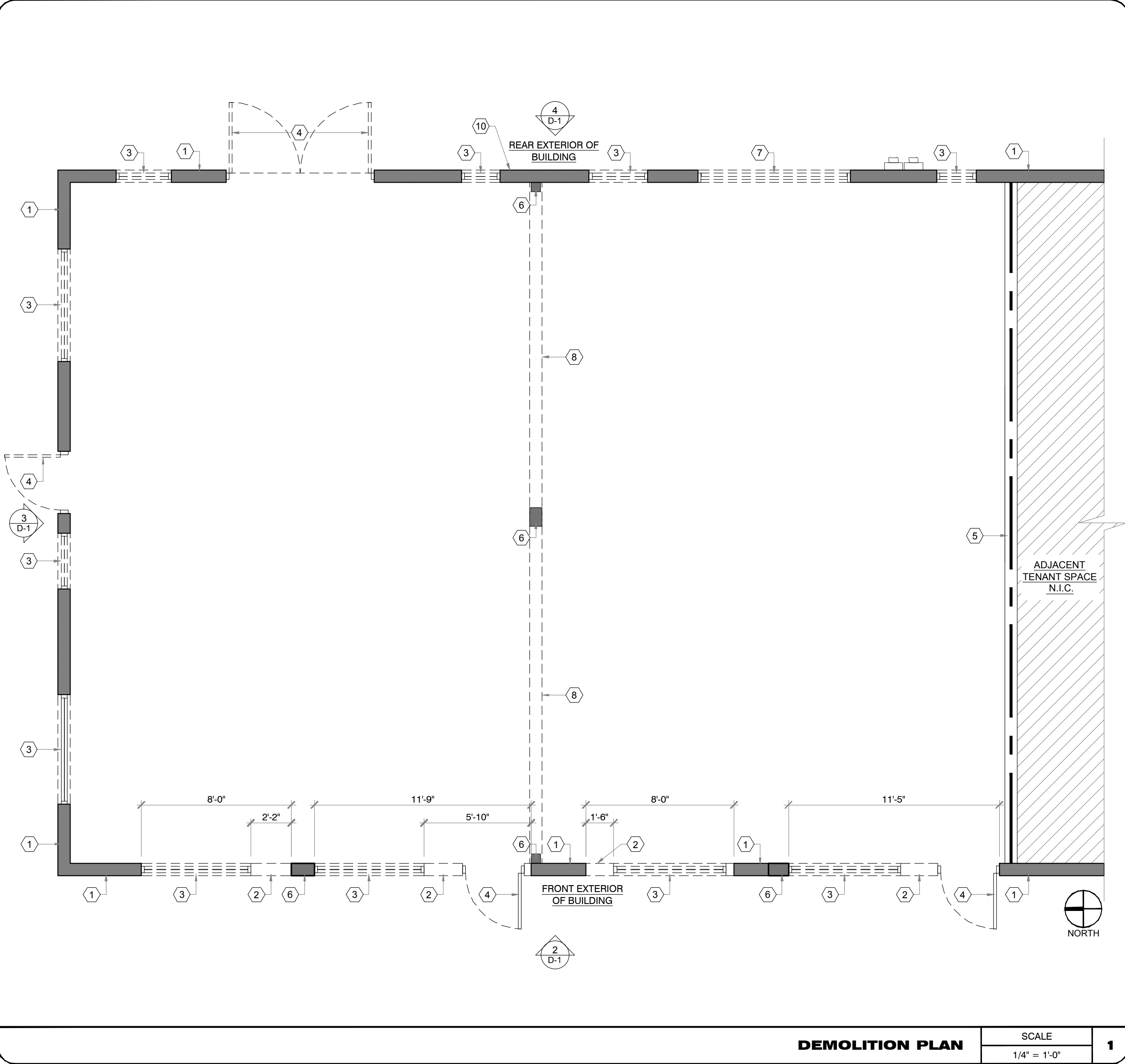
SYMBOL	DESCRIPTION - SEE ELECTRICAL PLANS FOR DETAILS
	CEILING MOUNTED EXIT SIGN
	WALL-MOUNTED EMERGENCY LIGHTS
	WALL MOUNTED EMERGENCY LIGHT COMBO EXIT SIGN
(E)	EXISTING FIXTURE SHALL REMAN





DEMOLITION NOTES	
1. THIS PORTION OF THE WORK TO INCLUDE ALL LABOR, MATERIALS AND SERVICES NECESSARY FOR ALL DISMANTLING, DEMOLITION AND SALVAGE AS SHOWN ON THE DRAWING AND SPECIFIED HEREIN.	11. REFER TO MECHANICAL, PLUMBING, FIRE PROTECTION, COMMUNICATIONS INFORMATION SYSTEMS AND ELECTRICAL DRAWINGS FOR EXTENT AND LOCATION OF CHANNELING OF EXISTING FLOOR SLAB. IF EXISTING PIPING OR CONDUIT WORK (OTHER THAN THE DESIRED CONNECTION) IS ENCOUNTERED WHILE CHANNELING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE CONTINUING.
2. DEMOLITION WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPLICABLE SAFETY REQUIREMENTS OF THE LANDLORD, CITY AND STATE OF THE PROJECT, THE ASSOCIATED GENERAL CONTRACTOR'S MANUAL OF ACCIDENT PREVENTION ON CONSTRUCTION, LATEST EDITION, AND THE APPLICABLE REQUIREMENTS OF THE LOCAL BUILDING CODE.	12. THE CONTRACTOR SHALL VERIFY THAT CONSTRUCTION OF EXISTING WALLS MEETS THE FIRE PROTECTION RATING DESIGNATED ON THESE DRAWINGS. HE SHALL ALSO MAKE ANY REPAIRS OR MODIFICATIONS NECESSARY TO BRING EXISTING WALLS, FLOORS, DUCTS, ETC. UP TO THE PROPER INDICATED FIRE PROTECTION RATING. DOORS AND FRAMES NOT MEETING RATING REQUIREMENTS OR BEARING PROPER LABELS SHALL BE REPLACED. DEMO CONTRACTOR IS GENERALLY RESPONSIBLE, BUT NOT LIMITED TO THE FOLLOWING:
3. ALL REQUIRED BUILDING AND OTHER PERMITS IN CONNECTION WITH THE CONSTRUCTION AND COMPLETION OF THE TENANT'S WORK IS THE SOLE RESPONSIBILITY OF THE TENANT / TENANT'S CONTRACTOR(S).	A. WALL, FRAMING & FINISH REMOVAL
4. CONTRACTOR TO VISIT THE SITE TO DETERMINE DEMOLITION REQUIREMENTS. FAILURE OF CONTRACTOR TO ACQUAINT HIMSELF WITH ALL AVAILABLE INFORMATION CONCERNING CONDITIONS WILL NOT RELIEVE HIM FROM THE RESPONSIBILITY FOR ACCURATELY ESTIMATING THE DIFFICULTY OR THE COST OF THE WORK.	B. REMOVAL OF EXISTING FLOORING MATERIAL DOWN TO BARE CONCRETE DECK
5. GC MUST VERIFY CONDITIONS FOR ALL DEMISING WALLS. PATCH AND REPAIR AS NECESSARY. FIRE SEPARATION BETWEEN TENANTS MUST COMPLY WITH ALL LOCAL CODES. ALL DEMISING WALL WORK TO BE DONE PRIOR TO INTERIOR CONSTRUCTION. DEMISING WALLS SHALL BE 1-HOUR RATED, PATCHED AND FIRE STOPPED AS REQUIRED. NONMETALLIC PIPES PENETRATING DEMISING WALLS SHALL USE ATTACHED FIRE COLLAR.	C. COMPLETE REMOVAL OF STOREFRONT & WALL SYSTEMS
6. THE EXISTING CONCRETE SLAB SHALL BE WELL PREPARED TO RECEIVE NEW FLOORINGS.	D. REMOVAL OF WALLS, LOCKERS & OTHER EQUIPMENT FROM LEASE LINE
7. ALL MATERIALS USED IN THE CONSTRUCTION OF THE SPACE MUST BE ASBESTOS FREE.	E. REMOVAL OF EXISTING PLUMBING FIXTURES & PIPES CAPPED BELOW OR INSIDE OF WALLS TO REMAIN
8. NOTIFY ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES OR DISCREPANCIES WITH PLANS IN RELATION TO EXISTING FIELD CONDITIONS.	F. REMOVAL OF ANY EXISTING MISC. WALLS & DOORS NOT NOT SHOWN IN PLANS, TO PROVIDE A CLEAN & UNOBSTRUCTED SPACE.
9. IT IS THE TENANT / TENANTS CONTRACTOR RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.	G. REMOVAL OF ALL MEP OR ELECTRICAL EQUIPMENT NOT BEING RE-USED, AS INDICATED IN PLANS, INCLUDING CONDUIT, J-BOXES, WIRING, ETC. BACK TO LANDLORDS POINT OF CONNECTION.
10. IF ANY EXISTING FIRE PROOFING OR FIRE ASSEMBLIES TO REMAIN ARE DAMAGED DURING DEMOLITION, THEY SHALL BE REPAIRED TO CONFORM TO THE ORIGINAL FIRE PROTECTION REQUIREMENTS. CONTACT ARCHITECT TO VERIFY UL ASSEMBLIES TO BE USED FOR REPAIRS.	H. REMOVAL OF ALL EXISTING CABINETRY, FURNITURE, & EQUIPMENT NOT BEING USED (AS INDICATED IN PLANS) ALONG W/ ANY MISC. ITEMS ATTACHED THERETO
	I. REMOVAL OF EXISTING LIGHT FIXTURES & SALVAGE THOSE INDICATED IN PLANS
	J. REMOVAL OF ALL HARD CEILING, GRIDS, & ALL OTHER CEILING SYSTEMS
	K. REMOVAL OF ALL A/C DUCT WORK & DIFFUSERS, EXCEPT FOR MAIN TRUNK LINE
	L. ALL FIRE DETECTION, SPEAKERS, WIRING, ETC.

DEMOLITION KEYNOTES	
1	(E) EXTERIOR WALL SHALL REMAIN.
2	(E) EXTERIOR PORTION OF WALL TO BE REMOVED.
3	(E) EXTERIOR WINDOW TO BE REMOVED.
4	(E) EXTERIOR DOOR TO BE REMOVED.
5	(E) TENANT SEPARATION WALL SHALL REMAIN. GC TO PROTECT WALL DURING CONSTRUCTION AND MAINTAIN FIRE RATING THROUGHOUT CONSTRUCTION PROCESS.
6	(E) STRUCTURAL COLUMNS SHALL REMAIN. GC TO LOCATE AND PROTECT DURING CONSTRUCTION PROCESS.
7	(E) GARAGE DOOR TO BE REMOVED
8	(E) STRUCTURAL BEAM SHALL REMAIN. GC TO LOCATE AND PROTECT DURING CONSTRUCTION PROCESS.
9	(E) EXTERIOR GARAGE DOOR TO BE REMOVED.
10	DUCT WORK WALL PENETRATIONS. REFER TO HOOD AND MECHANICAL DRAWINGS FOR DETAILS.



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www.laskyarchitect.com
architects - interior designers
engineers - construction managers

LASKY ARCHITECT, P.A.

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PROJECT

BUTCHER AND BARREL LLC
D
3580 NE 12TH AVE.
OAKLAND PARK, FL 33334

REVISIONS DATES:
09.19.19 CITY SET

PROFESSIONAL SEAL

SCOTT L. LASKY # AR001184
REGISTERED ARCHITECT
STATE OF FLORIDA

ISSUE DATE: 09.17.19
PROJECT #: 310.1295
DRAWN BY: KM
CHECKED BY: SL-CC

DEMOLITION PLAN

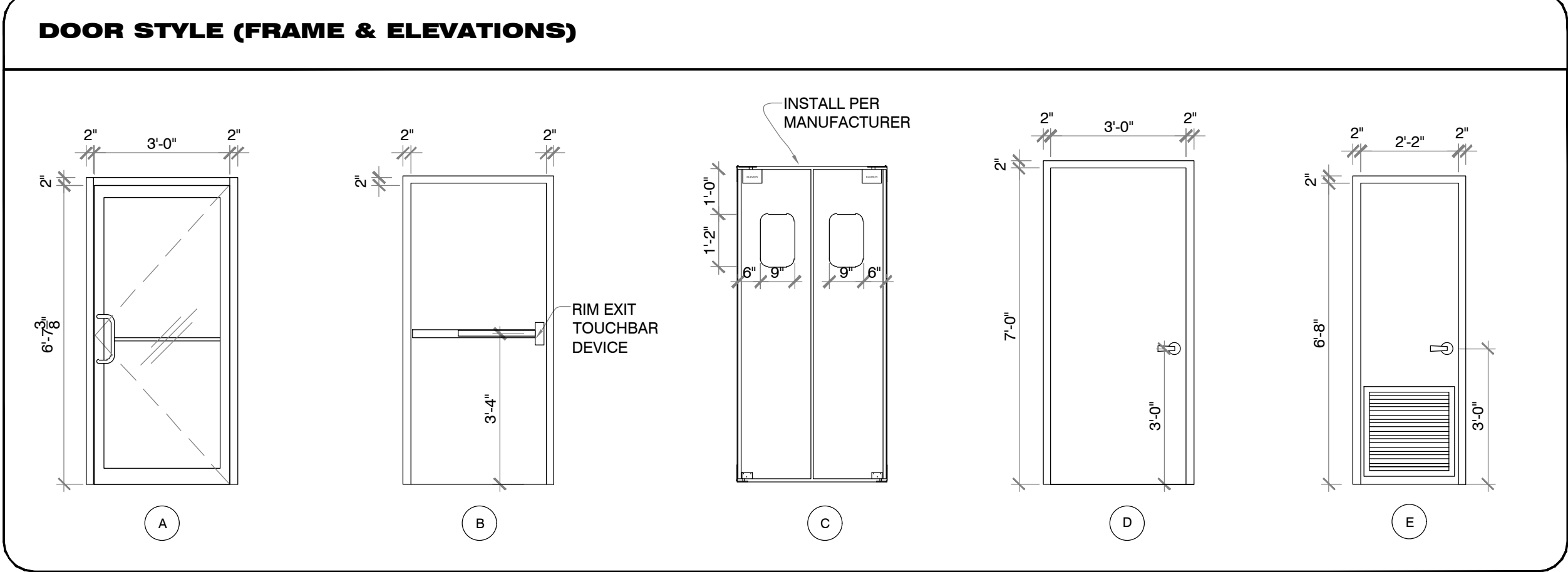
D-1

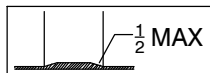
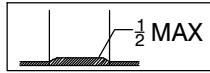
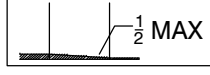
HARDWARE SCHEDULE									
DOOR FUNCTION	HINGES (QTY. 3)	LATCH SET (PASSAGE FUNCT.)(ANSI F75)	LOCK SET:	PRIVACY LOCK FUNCT. (ANSI F76)	OFFICE FUNCT. (ANSI F82)	CLASSROOM FUNCT. (ANSI F84)	STOREROOM FUNCT. (ANSI F86)	ENTRANCE FUNCT. (ANSI F109)	FIRE RATED CLOSERS
PANIC CLOSERS	NON-FIRE RATED CLOSERS	HOLD OPEN FEATURE	FIRE RATED PANIC BAR	NON-FIRE RATED PANIC BAR	exterior lock only	exterior lock with handle	FLUSH BOLT (bottom)	FLUSH BOLT (top)	PUSH / PULL PLATE
ACCESSORIES	KICK PLATE ON PUSH SIDE	WEATHER SEAL (jamb and head)	RAIN CAP	WALL STOP	DOOR SILENCERS (hollow metal frames only)	NOTES	1	1	1

WALL TYPE SCHEDULE									
X	WALL TYPE	1	2	3	4	5	6	7	8
	8" CONCRETE BLOCK								
	7/8" HAT TRACK								
	2-1/2" METAL STUD								
	3-5/8" METAL STUD								
	6" METAL STUD								
	12" O.C.								
	16" O.C.								
	24" O.C.								
	18 GA								
	20 GA								
	25 GA								
	2'-8.5" A.F.F.								
	3'-3" A.F.F.								
	3'-6" A.F.F.								
	4'-0" A.F.F.								
	6'-6" A.F.F.								
	TO UNDERSIDE OF CEILING								
	6" ABOVE CEILING								
	UNDERSIDE OF STRUCTURE (BRACE TO STRUCTURE)								
	1/2" GWB								
	5/8" TYPE-X GWB								
	5/8" DUROCK								
	5/8" PURPLE BOARD								
	5/8" PURPLE BOARD TYPE-X								
	3/4" FIRE TREATED PLYWOOD								
	ONE SIDE								
	BOTH SIDES								
	EXTENT OF WALL								
	6" ABOVE CEILING								
	TO UNDERSIDE OF STRUCTURE								
	BATT INSULATION (R-VALUE)								
	RIGID INSULATION (R-VALUE)								
	SOUND ATTENUATION (STC)								
	FIRE RATING (NO. OF HOURS)								
	NOTES	A	AB	CF	EFC	F	CF	CF	F
	CONTRACTOR TO VERIFY IN FIELD THE CONSTRUCTION AND ASSEMBLY OF EXISTING WALLS.								
	GC TO MAINTAIN FIRE RATING THROUGHOUT. REFER TO CS-4 FOR DETAILS. (IF APPLICABLE)								
	G.C TO INSTAL 5/8" FIRE TREATED PLYWOOD BACKING BEHIND EVERY WALL MOUNTED ITEMS (TO BE COORDINATED WITH OWNER). REFER TO DETAIL 8/CS-2								
	FIRE RATING PER UL DESIGN U419 FOR 1-4 HOURS. SEE CS-4.1								
	AT ALL NEW PARTITIONS, SEE BRACING AND ATTACHEMENT REQUIREMENTS AND DETAILS ON CS-2.								
	REPLACE DRYWALL WITH PURPLE BOARD ON AREAS RECEIVING PLUMBING PIPES AND COVERED WITH TILE. SEE FINISH PLAN. PURPLE BOARD UP TO 3'-0" HIGH IN KITCHEN AREA.								

DOOR & FRAME SCHEDULE									
DOOR #	DESCRIPTION	STYLE	DIMENSION	THICKNESS	DOOR MATL.	FINISH	FRAME MATL.	FINISH	HARDWARE
01	STORE FRONT DOOR	A	(1) 3'-0" X 6'-9.5"	1-3/4"	ALG.	PREF.	AL.	PREF.	3
02	STORE FRONT DOOR	A	(1) 3'-0" X 6'-9.5"	1-3/4"	ALG.	PREF.	AL.	PREF.	4
03	REAR DOOR	B	(1) 3'-0" X 6'-9.5"	1-3/4"	H.M.	PREF.	H.M.	PREF.	3
04	KITCHEN DOOR	C	(2) 1'-6" X 7'-0"	1-3/4"	H.M.	PREF.	H.M.	PREF.	1
05	ACCESSIBLE BATHROOM	D	(1) 3'-0" X 7'-0"	1-3/4"	S.C.	PNT	H.M.	PNT	2
06	STORAGE	D	(1) 3'-0" X 7'-0"	1-3/4"	S.C.	PNT	H.M.	PNT	2
07	AHU CLOSET	E	(1) 2'-2" X 6'-8"	1-3/4"	S.C.	PNT	H.M.	PNT	2
(E) = EXISTING LEGEND: H.C. = HOLLOW CORE WOOD S.C. = SOLID CORE WOOD H.M. = HOLLOW METAL S.P. = SOLID PLASTIC LAM. = LAMINATE LOUV. = LOUVER ALG. = ALUMINIUM/GLASS COAT. DOORS THAT OPEN ONTO &/OR EXPOSED TO AREAS OPEN TO THE PUBLIC FLOOR SHALL BE PAINTED TO MATCH ADJACENT WALL. NOTES: 1. ALL EXTERIOR DOORS (INCLUDING EXISTING) SHALL BE SELF-CLOSING AND RODENT PROOF. 2. ALL HARDWARE PACKAGES TO BE REVIEWED W/ TENANT PRIOR TO ORDERING INCLUDING DESIGNATED LOCKS/DEADBOLTS.									

EXTERIOR DOOR SCHEDULE - DESIGN PRESSURES									XX
X	STORE FRONT DOOR	MATL.	GLASS	DOOR SIZE W x H	POSITIVE PRESSURE	NEGATIVE PRESSURE	NOA	REMARK	
01	SERIES MG500 ALUM OUTSWING ENTRANCE DOOR	ALG.	IMPACT RESISTANT	(1) 3'-0" X 6'-9.5"	+50.8	-55.3	18-0314.07	GC TO VERIFY WINDOW OPENING BEFORE INSTALLATION. INSTALL PER PRODUCT APPROVAL	
02	SERIES MG500 ALUM OUTSWING ENTRANCE DOOR	ALG.	IMPACT RESISTANT	(1) 3'-0" X 6'-9.5"	+50.8	-55.3	18-0314.07	GC TO VERIFY WINDOW OPENING BEFORE INSTALLATION. INSTALL PER PRODUCT APPROVAL	
03	LS2075 STEEL DOOR OUTSWING IMPACT	H.M.	IMPACT RESISTANT	(1) 3'-0" X 6'-9.5"	+50.8	-55.3	18-0212.11	GC TO VERIFY WINDOW OPENING BEFORE INSTALLATION. INSTALL PER PRODUCT APPROVAL	
NOTES: GC TO VERIFY OPENINGS PRIOR TO ORDER WINDOWS. GC SHALL SUBMIT PRODUCT APPROVALS.									



SADDLE/THRESHOLD TYPES	
	S-1 ALUM SADDLE COMPLYING TO THE ACCESSIBILITY CODE
	S-2 MARBLE THRESHOLD COMPLYING TO THE ACCESSIBILITY CODE
	S-3 ALUM. TRANSITIONAL THRESHOLD COMPLYING TO THE ACCESSIBILITY CODE
GENERAL DOOR NOTES	
1. DOOR HARDWARE SHALL HAVE LEVER-OPERATED OR PUSH TYPE MECHANISMS.	
2. DOORS IN EXITS SHALL NOT BE SUBJECT TO THE USE OF A KEY FOR OPERATION FROM THE INSIDE OF THE BUILDING.	
3. ALL GLASS IN DOORS SHALL BE TEMPERED (T)	

HARDWARE MANUFACTURERS		
PART	MODEL NO	MANUFACTURER
HINGES	1279 4 1/2x4 1/2xUS26D	HAGER
	NRP BB1191 4 1/2x4 1/2xNRPxUS32D	HAGER
LATCH SET	PASSAGE: ND105 RHO 626	SCHLAGE
LOCK SET	PRIVACY: ND40S RHO 626	SCHLAGE
	OFFICE: ND50PD RHO 626	SCHLAGE
	CLASSROOM: ND70PD RHO 626	SCHLAGE
	STOREROOM: ND80PD RHO 626	SCHLAGE
	ENTRANCE: ND53PD RHO 626	SCHLAGE
CLOSER	1070 xSEX BOLTS	LCN
PANIC EXIT DEVICE	99L-F (FIRE PROOF)	VONDUPRIN
	99EO	VONDUPRIN
	99L	VONDUPRIN
THRESHOLD	THRESHOLD # 119NXAL	NGP
	WEATHER STRIP # 160A	NGP
	DRIP # 16 AP	NGP
STOPPER	STOP W 302Px626	QUALITY
	FLOOR STOP	QUALITY
	SILENCERS 1337A	QUALITY
KICK PLATES	12"x2" LDWx.050x630	QUALITY
	31E US26D	HAGER
	30S US26D	HAGER
NOTE: FINISHES INDICATED HERE ARE STANDARD UNLESS INDICATED ELSEWHERE.		

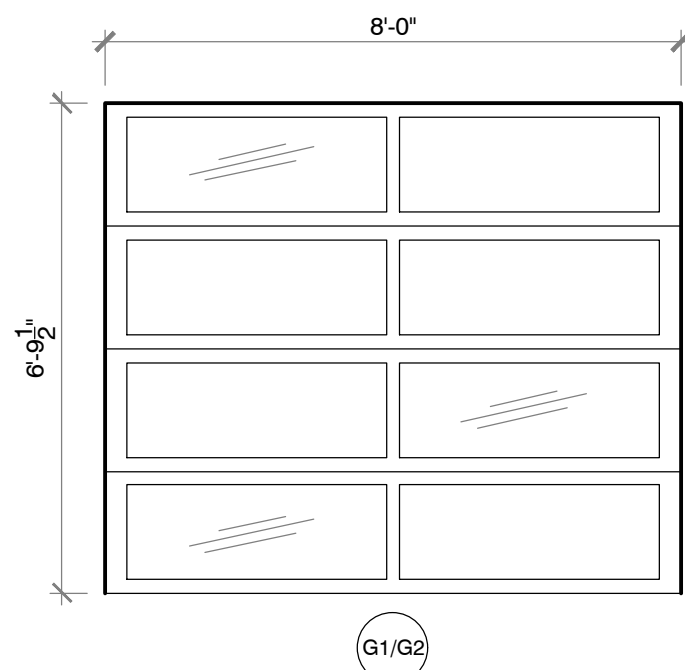
SHEET KEYNOTES									
1	(N) HEADER ABOVE, SEE REFLECTED CEILING PLAN FOR DETAILS.								
2	(N) ACCESSIBLE RESTROOM. ALL EQUIPMENT SHALL COMPLY WITH ACCESSIBILITY REQUIREMENTS SET ON CS-3 & CS-3.1. SEE RESTROOM EQUIPMENT SCHEDULE AND PLUMBING PLANS FOR DETAILS.								
3	(N) ELECTRICAL PANELS LOCATION. REFER TO ELECTRICAL PLANS FOR DETAILS.								
4	(E) STRUCTURAL COLUMNS G.C. TO PROTECT THEM DURING CONSTRUCTION.								
5	(E) STRUCTURAL BEAM G.C. TO PROTECT THEM DURING CONSTRUCTION.								

METAL STUD LIMITING HEIGHTS			
STUD SIZE	GAUGE	SPACING	MAX. HEIGHT*
2½"	25	16"	9'-10"
3½"	25	16"	12'-4"
3½"	22	16"	13'-7"
3½"	20	16"	14'-3"
3½"	18	16"	16'-7"
3½"	16	16"	17'-9"
6"	25	16"	17'-11"
6"	22	16"	20'-3"
6"	20	16"	21'-4"
6"	18	16"	23'-8"
6"	16	16"	25'-5"

*NOTES:

- NON-LOAD BEARING
- 5# LATERAL LOAD
- L/360 DEFLECTION

GARAGE DOOR STYLE (FRAME & ELEVATIONS)

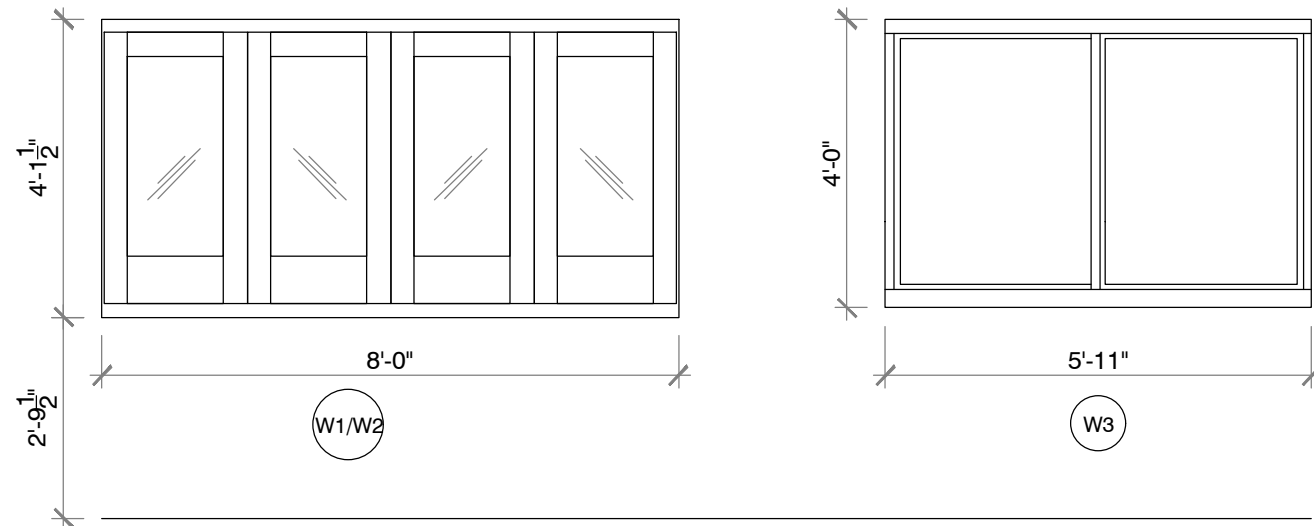


EXTERIOR WINDOW SCHEDULE - DESIGN PRESSURES

X	WINDOW	MATL.	GLASS	WINDOW SIZE W x H	WINDOW SILL	POSITIVE PRESSURE	NEGATIVE PRESSURE	NOA/LMI	REMARK
W1	800-10 ALUM OUTFOLDING BI-FOLD DOOR	ALUMINUM	IMPACT RESISTANT	88-3/8" x 52-1/2"	31-1/2" A.F.F.	+49.2	-53.7	19-0131.16	GC TO VERIFY WINDOW OPENING BEFORE INSTALLATION. INSTALL PER PRODUCT APPROVAL
W2	800-10 ALUM OUTFOLDING BI-FOLD DOOR	ALUMINUM	IMPACT RESISTANT	120" x 52-1/2"	31-1/2" A.F.F.	+49.2	-53.7	19-0131.16	GC TO VERIFY WINDOW OPENING BEFORE INSTALLATION. INSTALL PER PRODUCT APPROVAL
W3	SERIES MG-300 ALUM HORIZONTAL SLIDING WINDOW	ALUMINUM	IMPACT RESISTANT	71" x 52-1/2"	31-1/2" A.F.F.	+50.4	-65.2	20359.1	GC TO VERIFY WINDOW OPENING BEFORE INSTALLATION. INSTALL PER PRODUCT APPROVAL

NOTES:
GC TO VERIFY OPENINGS PRIOR TO ORDER WINDOWS.
GC SHALL SUBMIT PRODUCT APPROVALS.

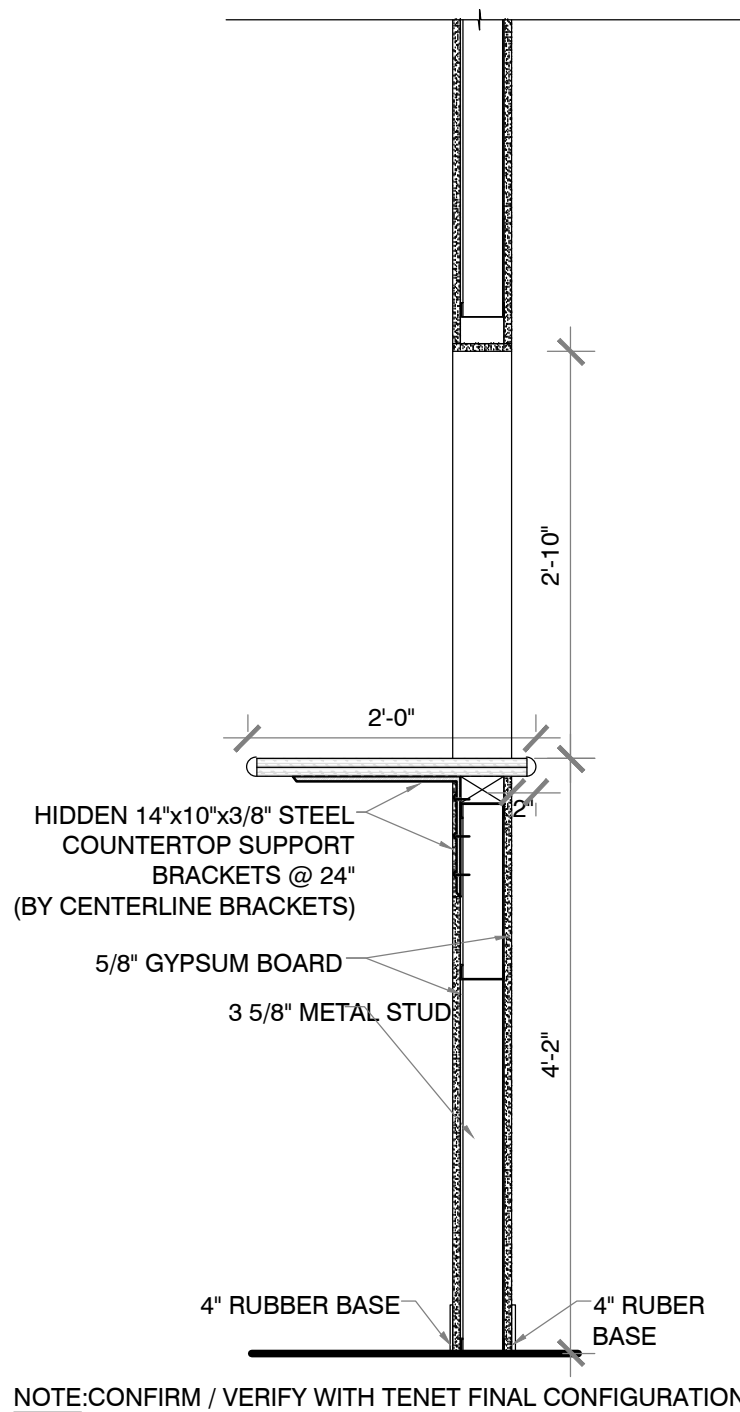
WINDOW STYLE (FRAME & ELEVATIONS)



GARAGE DOOR SCHEDULE - DESIGN PRESSURES

X	GARAGE DOORS	MATL.	GLASS	DOOR SIZE W x H	POSITIVE PRESSURE	NEGATIVE PRESSURE	NOA	REMARK
G1	MODERN 2" INTELICORE W8 DP54T STEEL SECTIONAL GARAGE DOORS	TBD	IMPACT RESISTANT	8'-0" X 7'-0"	+47.5	-51.9	16-0627.02	GC TO VERIFY WINDOW OPENING BEFORE INSTALLATION. INSTALL PER PRODUCT APPROVAL
G2	MODERN 2" INTELICORE W8 DP54T STEEL SECTIONAL GARAGE DOORS	TBD	IMPACT RESISTANT	8'-0" X 7'-0"	+47.5	-59.4	16-0627.02	GC TO VERIFY WINDOW OPENING BEFORE INSTALLATION. INSTALL PER PRODUCT APPROVAL

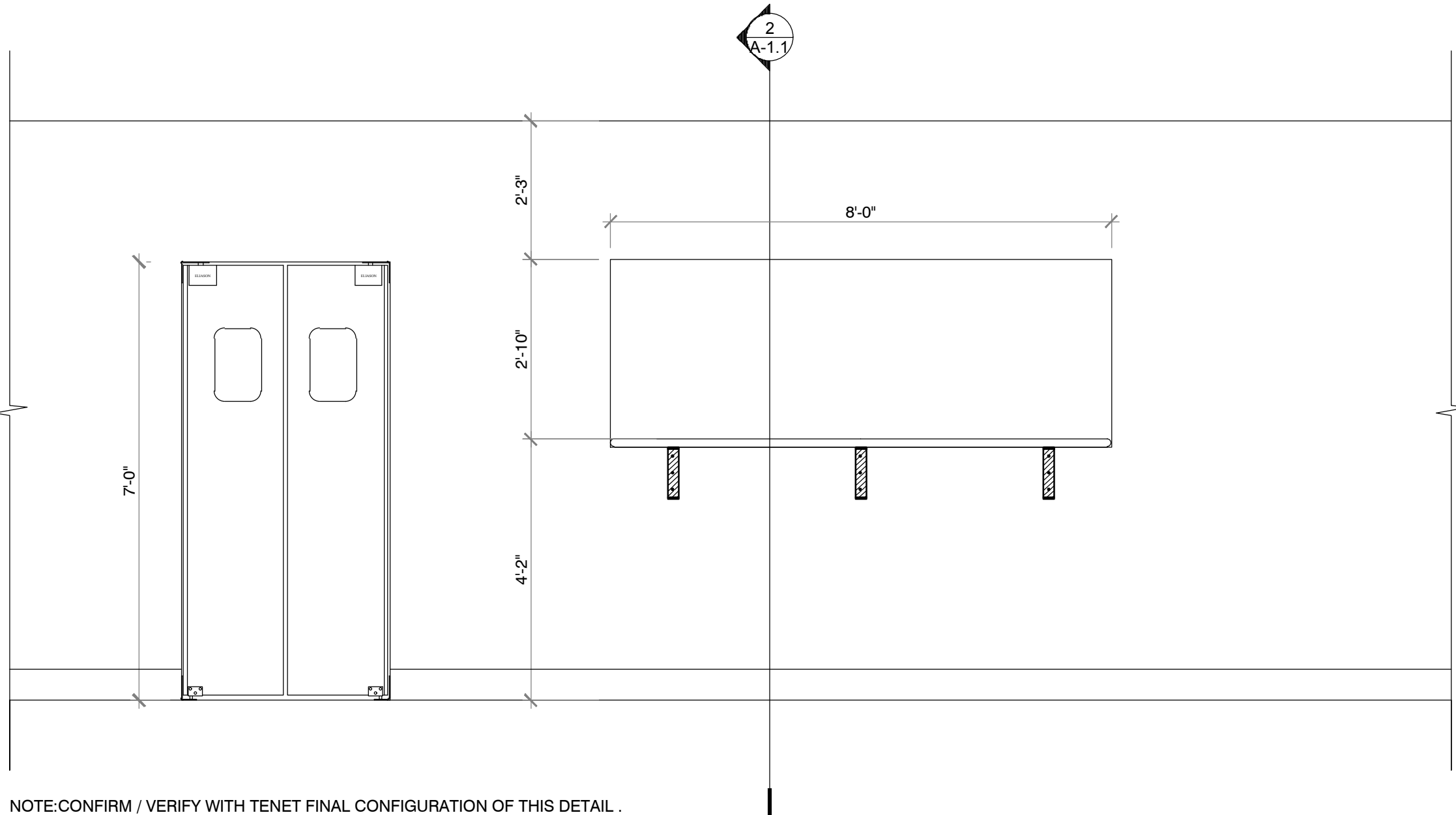
NOTES:
GC TO VERIFY OPENINGS PRIOR TO ORDER WINDOWS.
GC SHALL SUBMIT PRODUCT APPROVALS.



NOTE:CONFIRM / VERIFY WITH TENET FINAL CONFIGURATION OF THIS DETAIL .

KITCHEN PASSTHROUGH DETAL

SCALE	2
3/4" = 1'-0"	

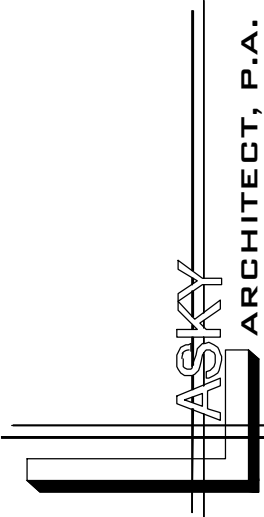


NOTE:CONFIRM / VERIFY WITH TENET FINAL CONFIGURATION OF THIS DETAIL .

ELEVATION OF KITCHEN PASSTHROUGH

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

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OAKLAND PARK, FL 33334

REVISIONS DATES:

09.19.19 CITY SET

PROFESSIONAL SEAL

SCOTT L. LASKY # AR001184
REGISTERED ARCHITECT
STATE OF FLORIDA

ISSUE DATE: 09.17.19

PROJECT #: 310.1295

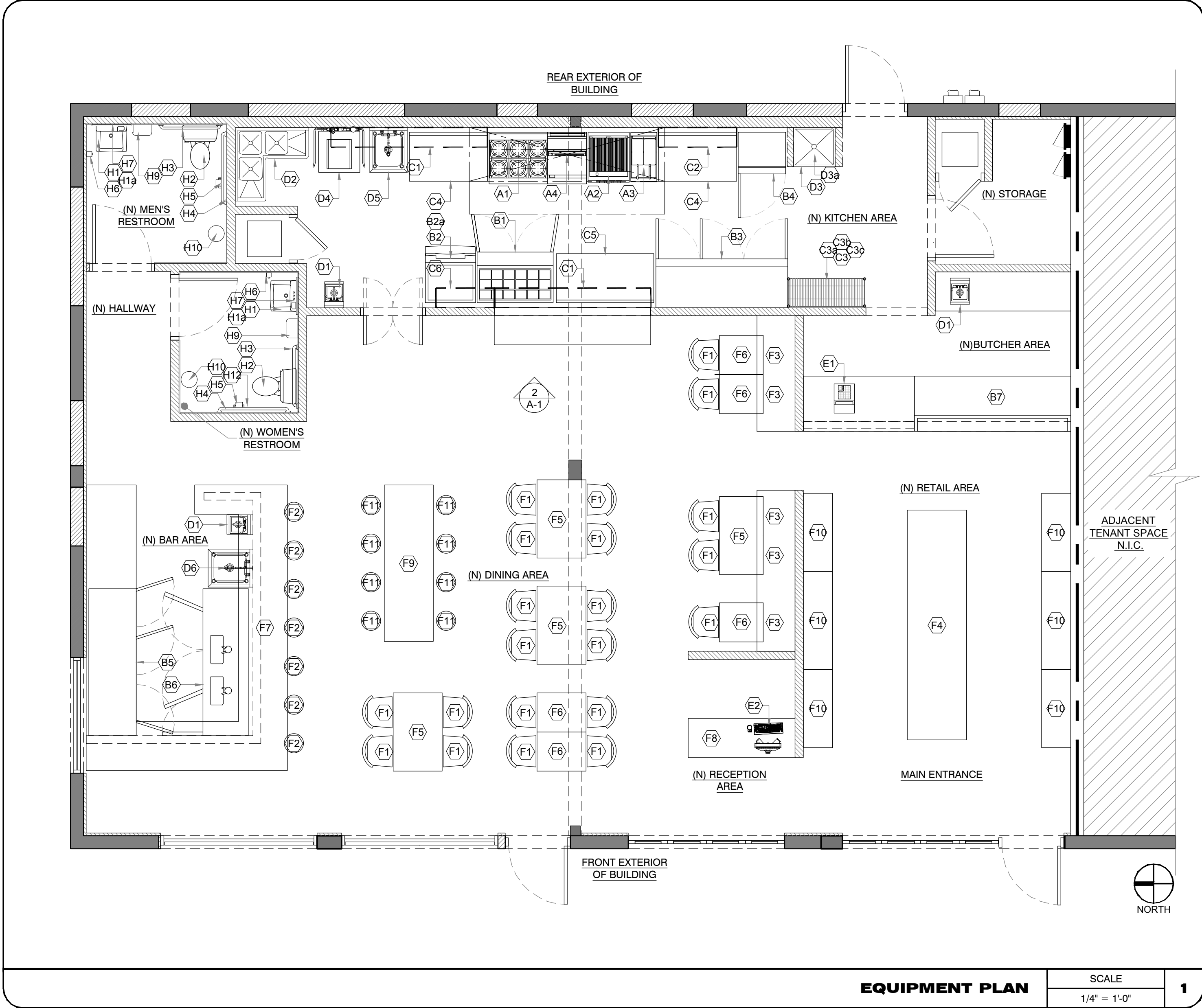
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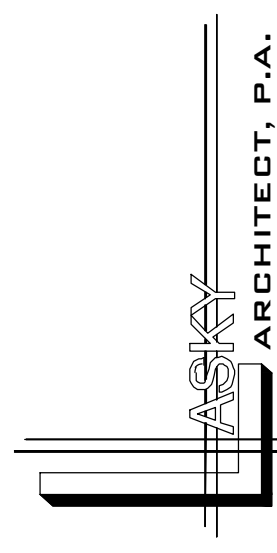
SCHEDULES

A-1.1

EQUIPMENT SCHEDULE																						
Item	Qty	Description	Manufacturer	Model No.	FURNISHED BY	INSTALLED BY	Dimensions	Remarks	AMPS.	KW	HP	Electrical				Water		Waste		Gas		
												HT	A.F.F.	VOL TS	PH	PLUG	COLD	HOT	DIRECT	INDIRECT	SIZE	MB TUH
A		A - COOKING																				
1	1	GAS RANGE	REGENCY	60-CPGV-6B-24G-526	G.C.	G.C.	60" w x 31.5" d x 56 5/8" h	Or Approved Equal													280,000	
2	1	GAS CHAR BROILER	WELLS	HDCB-2430G	G.C.	G.C.	24" w x 30.5" d x 18 1/8" h	Or Approved Equal													80,000	
3	1	GAS FLOOR FRYER	AVANTCO	177FF400	G.C.	G.C.	15.5" w x 30.25" d x 47 1/8" h	Or Approved Equal													120,000	
4	1	GAS SALAMANDER	BAKERS PRIDE	1556P5624	G.C.	G.C.	36" w x 25.5" d x 20.5" h	Or Approved Equal													35,000	
B		B - REFRIGERATION																				
1	1	2-DR REFRIGERATED PREP TABLE	AVANTCO	1785SP148VMHC	G.C.	G.C.	60.25" w x 31" d x 42 3/8" h	Or Approved Equal	7.8					115	1							
2	1	500LB CUBE ICE MACHINE	SCOTSMAN	C0530MA-1	G.C.	G.C.	30" w x 24" d x 23.1" h	Or Approved Equal	20					115	1							
2A	1	525LB ICE BIN	SCOTSMAN	853BP	G.C.	G.C.	30" w x 34" d x 44" h	Or Approved Equal														
3	1	REACH-IN REFRIGERATOR	AVANTCO	1785S3PHC	G.C.	G.C.	81" w x 32.25" d x 82.5" h	Or Approved Equal						115	1							
4	1	REACH-IN FREEZER	AVANTCO	178A19FHC	G.C.	G.C.	29" w x 25.25" d x 82.5" h	Or Approved Equal	8.28					115	1							
5	1	BACK BAR REFRIGERATOR	AVANTCO	178UB84GHC	G.C.	G.C.	30 1/4" w x 29 1/8" d x 36 1/4" h	Or Approved Equal														
6	1	UDD SERIES - BEER DISPENSER	AVANTCO	178UDD4HC	G.C.	G.C.	30 1/4" w x 27 3/4" d x 36 1/4" h	Or Approved Equal														
7	1	BUTCHER CASE																				
C		C - TABLES & SHELVES																				
1	2	STAINLESS STEEL WALL SHELF	ADVANCE TABCO	WVS-10-96-16	G.C.	G.C.	36" w x 10" d x 8.5" h	Or Approved Equal														
2	1	WALL SHELF	ADVANCE TABCO	WVS-10-48-16	G.C.	G.C.	48" w x 10" d x 8.5" h	Or Approved Equal														
3	2	SHELVING UNIT	REGENCY	SEE BELOW	G.C.	G.C.	48" w x 18" d x 74" h	Or Approved Equal														
3A	4	POSTS	REGENCY	4606CP74	G.C.	G.C.	74" h	Or Approved Equal														
3B	4	WIRE SHELVING	REGENCY	4606C1848	G.C.	G.C.	48" w x 18" d	Or Approved Equal														
3C		DINING TABLES	REGENCY	4606C1848RM	G.C.	G.C.	48" w x 18" d	Or Approved Equal														
4	2	STAINLESS STEEL WORK TABLE	REGENCY	600T5B30485	G.C.	G.C.	48" w x 30" d x 34" h	Or Approved Equal														
5	1	STAINLESS STEEL WORK TABLE	REGENCY	600T530605	G.C.	G.C.	60" w x 30" d x 34" h	Or Approved Equal														
6	1	STAINLESS STEEL WALL SHELF	ADVANCE TABCO	WVS-10-36-16	G.C.	G.C.	36" w x 10" d x 8.5" h	Or Approved Equal														
D		D - PLUMBING FIXTURES																				
1	3	HAND SINK	REGENCY	600H412	G.C.	G.C.	12" w x 16" d x 10" h	Or Approved Equal														
2	1	3 COMPARTMENT SINK	REGENCY	600S31014212	G.C.	G.C.	36" w x 19.5" d x 43.75" h	Or Approved Equal														
3	1	MOP SINK	REGENCY	600SM16206	G.C.	G.C.		Or Approved Equal														
3A	1	MOP SINK FAUCET	REGENCY	600PMS89	G.C.	G.C.		Or Approved Equal														
4	1	DISHWASHER	NOBLE	NOBLEHT-180	G.C.	G.C.	25 1/4" w x 25 1/4" d x 25 1/4" h	Or Approved Equal														
5	2	PREP SINK, 1 COMPARTMENT	REGENCY	600S12323	G.C.	G.C.	18" w x 28 13/16" d x 12" h	Or Approved Equal														
E		E - ELECTRICAL EQUIPMENT																				
1	1	POS			BY OWNER																	
2	1	COMPUTER			BY OWNER																	
3																						
F		F - FURNITURE																				
1	21	CHAIR			BY OWNER																	
2	7	COUNTER STOOLS 1' 6" x 1' 6"			BY OWNER																	
3	5	BOTH SEATING			BY OWNER																	
4	1	PRODUCE DISPLAY TABLE			BY OWNER																	
5	4	DINING TABLE 48" x 30"			BY OWNER																	
6	5	DINING TABLE 24" x 30"			BY OWNER																	
7	1	EAT IN COUNTER			BY OWNER																	
8	1	POS COUNTER			BY OWNER																	
9	1	COMMUNITY TABLE			BY OWNER																	
10	6	DISPLAY SHELVING			STOOLS																	
11	8	COMMUNITY TABLE STOOLS			STOOLS																	
H		H - RESTROOM																				
1	2	SINK	AMERICAN STANDARD	355.012	G.C.	G.C.		Or Approved Equal														
1A	2	SINK FAUCET	TBD BY OWNER	TBD BY OWNER	G.C.	G.C.		Or Approved Equal														
2	2	TOILET	AMERICAN STANDARD	CADET 3	G.C.	G.C.		Or Approved Equal														
3	2	36" HORIZONTAL GRAB BAR	BOBRICK	B-550-36	G.C.	G.C.		Or Approved Equal														
4	2	42" HORIZONTAL GRAB BAR	BOBRICK	B-550-42	G.C.	G.C.		Or Approved Equal														
5	2	TOILET TISSUE DISPENSER	BOBRICK	B-2888	G.C.	G.C.		Or Approved Equal														
6	2	SOAP DISPENSER	BOBRICK	B-2111	G.C.	G.C.		Or Approved Equal														
7	2	MIRROR	BOBRICK	B-1556	G.C.	G.C.		Or Approved Equal														
8	-	PAPER TOWEL DISPENSER	BOBRICK	B-262	G.C.	G.C.		Or Approved Equal														
9	2	HAND DRYER	XLERATOR	XL-BW	G.C.	G.C.		Or Approved Equal														
10	2	TRASH RECEPTACLE	BY OWNER	BY OWNER	BY OWNER	BY OWNER		By Owner														
11	-	SINGLE ROBE HOOK	BOBRICK	B-688																		
12	1	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270																		



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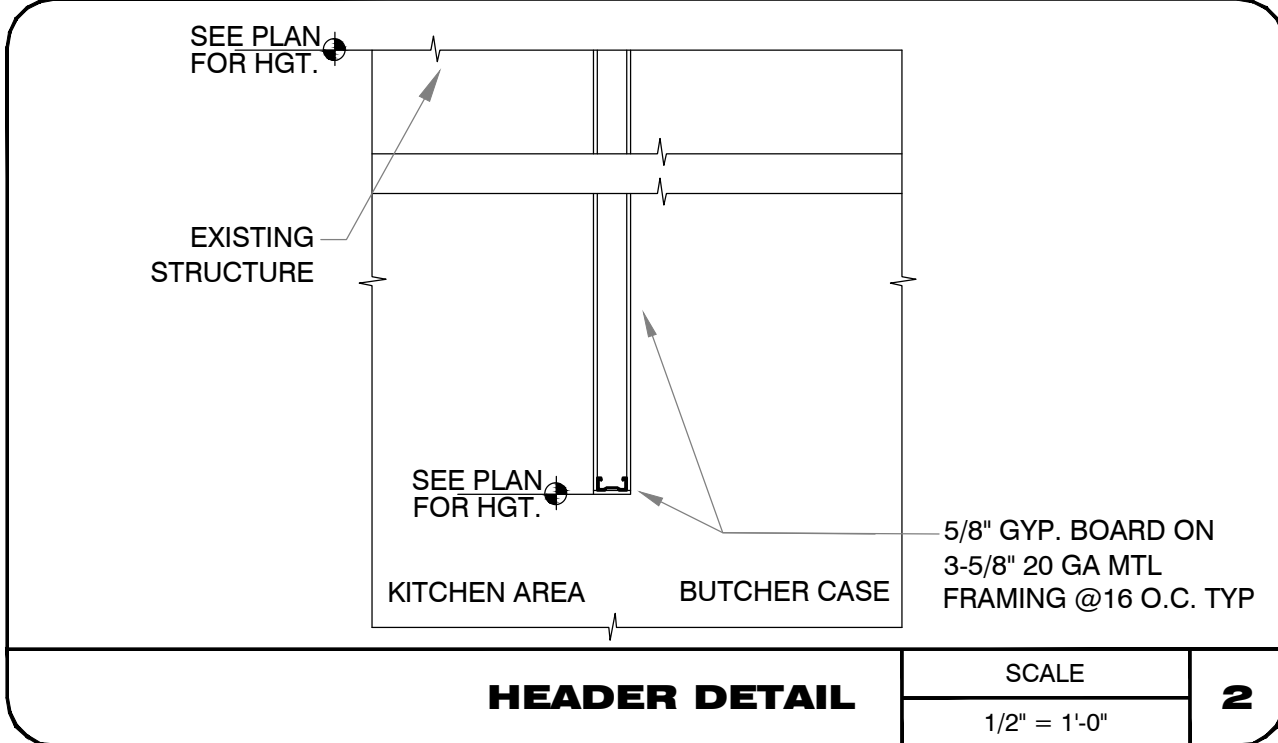
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EQUIPMENT PLAN

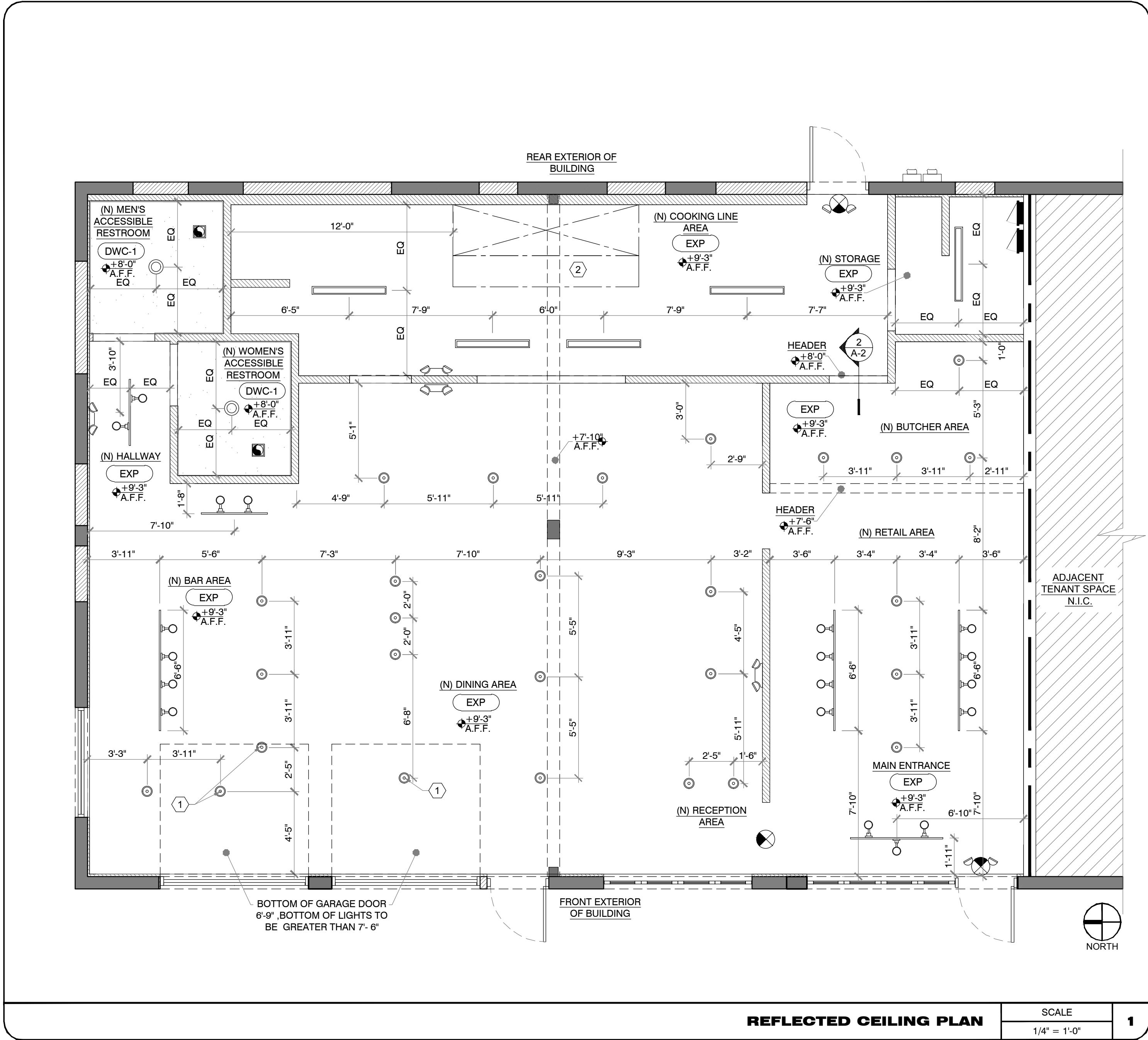
A-1.2

SHEET KEYNOTES	
1	LOCATE NEW LIGHT FIXTURES ABOVE GARAGE DOOR RAILS. REFER TO A-1.1 & EXTERIOR ELEVATIONS FOR DETAILS ON THE HEIGHT. BOTTOM OF LIGHTS GREATER THAN 7'-6"
2	(N) HOOD. REFER TO MECHANICAL AND HOOD DRAWINGS FOR DETAILS.



REFLECTED CEILING SCHEDULE		
CODE	DESCRIPTION	SPECIFICATION
DWC-1	DRYWALL CEILING	(N) DRYWALL CEILING.
EXP	EXPOSED CEILING	EXISTING EXPOSED CEILING. TO BE PAINTED FINISH: PNT TBD (E) DECK HEIGHT = +/- 9'-3" A.F.F. KITCHEN PAINT: REFER TO PNT-02 ON A-3
NOTES: (E) EXISTING TO REMAIN.		

FIXTURE LEGEND	
SYMBOL	DESCRIPTION - SEE ELECTRICAL PLANS FOR DETAILS
	4'-0" CEILING MOUNTED LED WRAP
	PENDANT LIGHT LED. BOTTOM OF LIGHT 7'-6" A.F.F.
	TRACK LIGHTING
	RECESSED COMPACT LED
	WALL MOUNTED EMERGENCY LIGHT COMBO EXIT SIGN
	CEILING MOUNTED EXIT SIGN
	WALL-MOUNTED EMERGENCY LIGHTS



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REFLECTED CEILING PLAN

A-2

FLOOR/ BASE SCHEDULE			X-X
CODE	DESCRIPTION	SPECIFICATION	
(B-01) ALL AREAS	WALL BASE	VINYL BASE - 6" H	
(B-02) KITCHEN/ PREP AREAS	QUARRY TILE	QUARRY TILE - 6" H	
(QT-01) KITCHEN/ BAR	QUARRY TILE	TBD	
(CT-01) BATHROOM	CERAMIC TILE	TBD	
(EP-01) DINING AREA	EPOXY FLOOR	TBD	

PAINT FINISH SCHEDULE		
CODE	DESCRIPTION	SPECIFICATION
(PNT-01) ALL AREAS	PAINT	SHERWIN WILLIAMS COLOR: WHITE FINISH: SEMI GLOSS
(PNT-02) KITCHEN CEILING	PAINT	SHERWIN WILLIAMS COLOR: WATERBORNE ACRYLIC DRYFALL FINISH: FLAT

WALL FINISH SCHEDULE			X-X
CODE	DESCRIPTION	SPECIFICATION	
(CT-01) SHOWER	CERAMIC TILE	CERAMIC WALLS CODE: TBD MANUFACTURER: TBD SIZE: TBD COLOR: TBD	
(FRP-01) MCP CLOSET	FRP PANELS	MARLITE - FIBERLITE® FRP - WALL PANELS MODEL: P-145 (PEBBLED) SIZE: 4' X 8' X 3/32" (4' X 9' X 3/32" OPTIONAL) COLOR: WHITE	
(FRP-02) BAR AREA	FRP PANELS	NUDO & MARLITE- FRP- MARLITE 2'-0" X 2'-0" / 2'-0" X 4'-0" COLOR: BLACK MODEL: P100CP BLACK	
(SS-01) SERVICE AREA	STAINLESS STEEL PANEL	4' X 8' STAINLESS STEEL WALL PANELS WITH CORNER GUARDS.	
(T-01) BUTCHER AREA SERVICE COUNTER	WALL TILE	GLAZED CERAMIC COLOR: TBD DIMENSIONS: 4 1/4" x 12 3/4" SUBWAY TILE	
(GPF-1) BAR AREA	GLASS PRIVACY FILM	TBD	

WALL TYPE "A"	WALL TYPE "B"	WALL TYPE "C"	WALL TYPE "D"	WALL TYPE "E"	WALL TYPE "F"	WALL TYPE "G"	WALL TYPE "H"	WALL TYPE "I"	
NOTE: THE WALL TYPE ELEVATIONS ABOVE ILLUSTRATE ONLY WALL FINISHES. PLEASE REFER TO WALL SCHEDULE ON A-1 FOR WALL COMPOSITION, FRAMING & HEIGHTS.									
WALL TYPE ELEVATIONS								SCALE N.T.S.	2

	SCALE 1/4" = 1'-0"	1
FINISH FLOOR PLAN		

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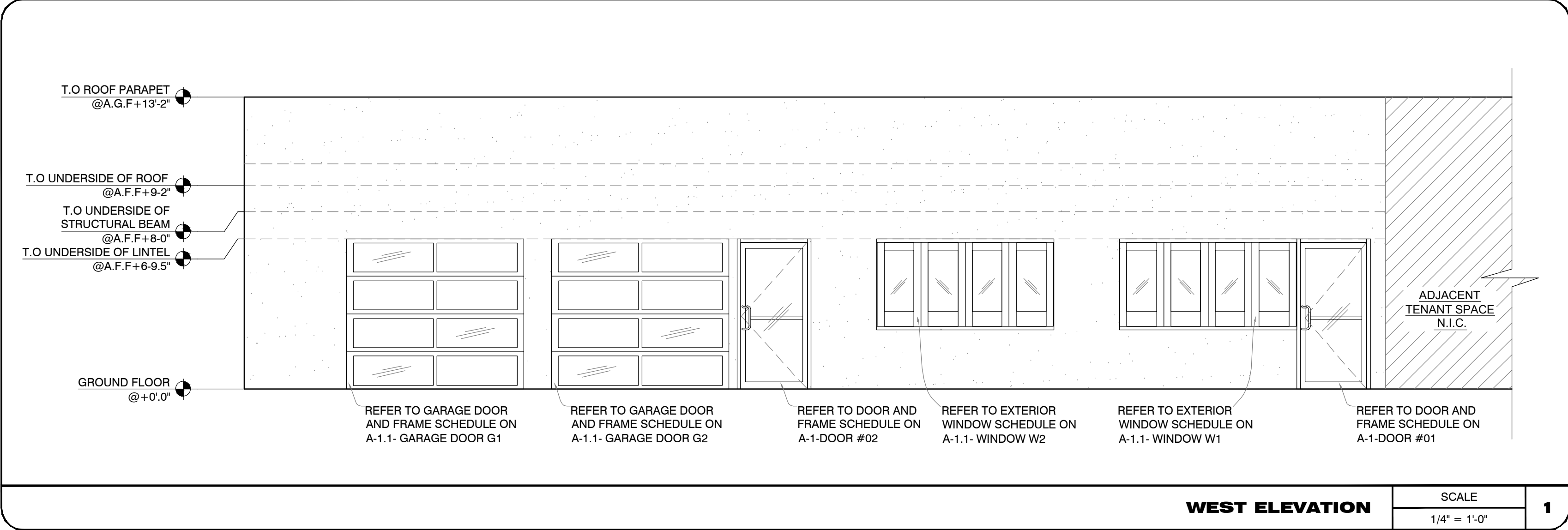
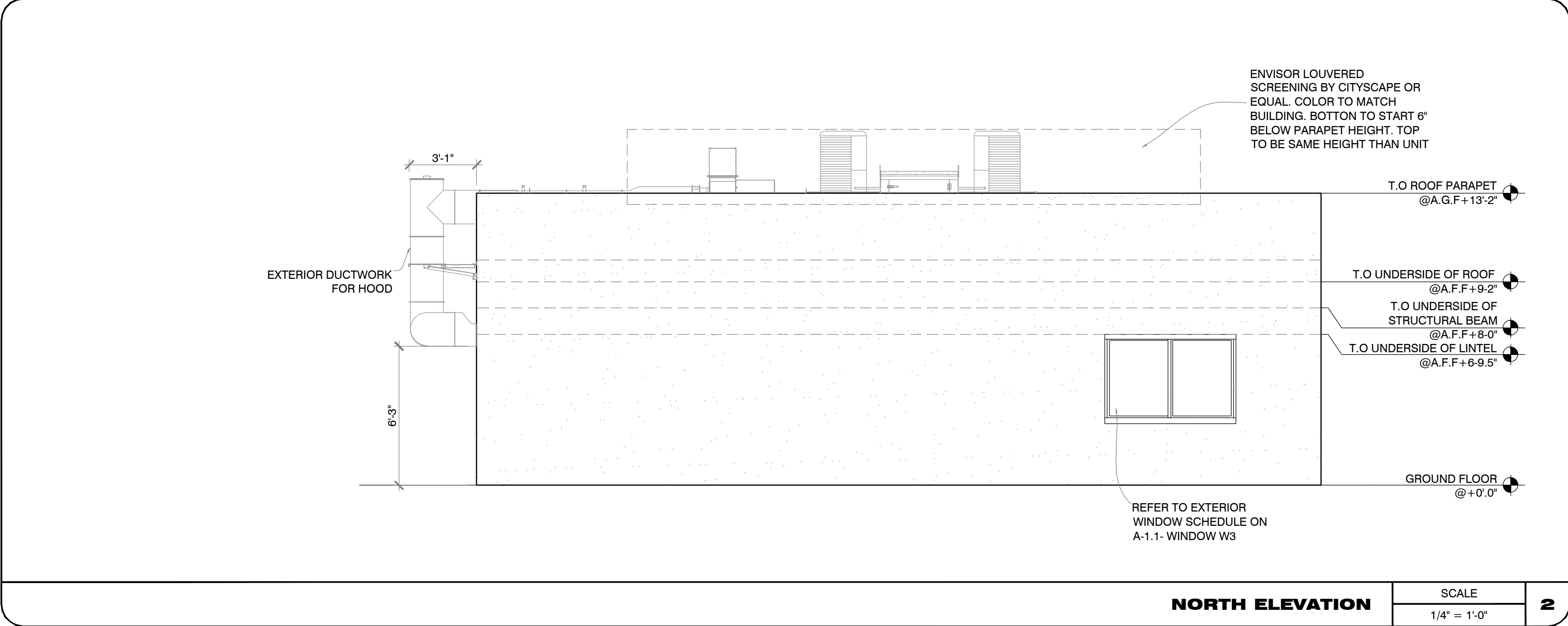
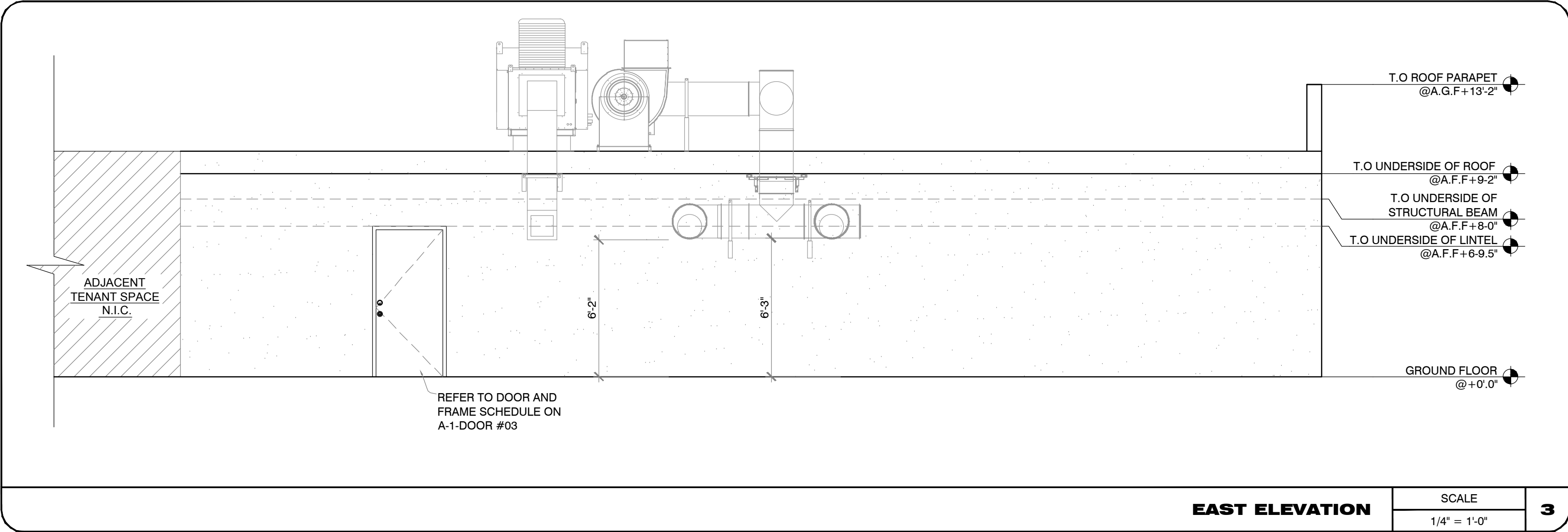
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FINISH PLAN

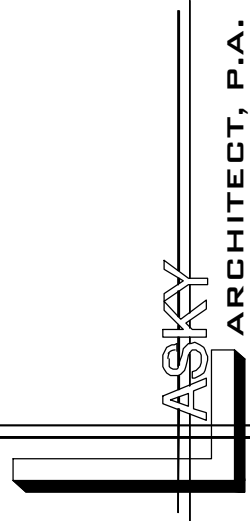
A-3



SHEET KEYNOTES

5 FOR NEW OPENINGS REFER TO STRUCTURAL DRAWINGS

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architects - interior designers
engineers - construction managers



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PROJECT

BUTCHER AND BARREL LLC
3580 NE 12TH AVE.
OAKLAND PARK, FL 33334

REVISIONS DATES:

09.19.19 CITY SET

PROFESSIONAL SEAL

SCOTT L. LASKY # AR001184
REGISTERED ARCHITECT
STATE OF FLORIDA

ISSUE DATE: 09.17.19

PROJECT #: 310.1295

DRAWN BY: KM

CHECKED BY: SL-CC

EXTERIOR
ELEVATION

A-4

SCOPE OF WORK

PROVIDE ALL PLUMBING FOR FAST FOOD RESTAURANT INCLUDING ALL WATER, GAS, GREASE & SANITARY LINES AND CONNECT TO EXISTING UTILITIES. PROVIDE NEW GREASE INTERCEPTOR. PROVIDE NEW TANKLESS WATER HEATER.

COORDINATE WITH GC AND MECH CONTRACTOR FOR ANY REQUIRED CONDENSATE LINES.

PLUMBING NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
- PLUMBING CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET. CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING OR PRECEDING WITH WORK.
- ALL EQUIPMENT WHICH IS TO REMAIN MUST BE REFURBISHED TO A LIKE NEW CONDITION.
- PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
- ALL MATERIALS SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS. PLUMBING CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
- DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
- VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
- WATER PIPING SHALL BE TYPE "L" COPPER FOR 2" AND UNDER. WATER PIPING SHALL MEET ANSI/NSF STANDARD 61.
- SOIL, WASTE, VENT AND RAINWATER PIPING ABOVE GRADE SHALL BE CAST IRON. PVC MAY BE USED BELOW GRADE.
- ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE GROUP AS PER CODE AND WITH GOOD ENGINEERING PRACTICE.
- DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS; EXCEPT AT WATER HEATER AS PER CODE.
- ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PAD.
- ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES WITH FIRE RATED FOAM, TO ACHIEVE THE SAME RATING AS WALLS OR FLOORS AS PART OF THE PLUMBER'S WORK.
- PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF CERTIFICATE OF OCCUPANCY. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE WITHIN 72 HOURS OF NOTIFICATION AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
- STUDOR MINI/MAXI AIR ADMITTANCE VALVES MAY NOT BE USED AS AN ALTERNATE TO VENT PIPING THRU ROOF.
- PROVIDE CHROME PLATED COMBINATION COVER PLATE AND CLEAN OUT PLUG OR ACCESS PANEL FOR ALL CLEANOUTS.
- NO COMBUSTIBLE MATERIAL TO BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE USED AS RETURN AIR PLUMBS.
- NO WATER, SANITARY OR DRAINAGE PIPING PERMITTED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.
- WATER PIPING INSULATION SHALL BE 1" THICK ARMAFLEX INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR ALL HOT WATER PIPING. WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING, ALL COLD WATER PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
- CONDENSATE DRAIN LINES TO BE RUN UNDER SLAB IN PVC SCH40 PIPE AND STUBBED OUT OF WALL TO UNIT. TIE-IN OF A/C TO BE BY OTHERS. PVC PIPING WITH 1/2" THICK ARMAFLEX INSULATION MAY BE USED IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATION OF PIPING. PVC WILL BE MIN. SCHEDULE 40 FOR SIZE AND LOCATION OF PIPING. PVC WILL BE MIN. SCHEDULE 40.
- PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.
- NO JOINTS UNDERGROUND FOR COPPER.
- PLUMBING FIXTURES SHALL COMPLY WITH FBC-PLUMB.
- WATER HAMMER ARRESTORS AS PER FBC-PLUMB.
- PLUMBING CONTRACTOR TO PROVIDE ANTI-SCALDING VALVE FOR TUBS AND SHOWERS.
- PLUMBING CONTRACTOR SHALL REVIEW ALL BID DOCUMENTATION.
- PLUMBING CONTRACTOR SHALL REVIEW WALL FINISHES @ LOCATION REQUIRING BARRIER-FREE COMPLIANCE (EXAMPLE: CENTER LINE TO TOILET).
- CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE.
- OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER.

FIXTURE BRANCH SCHEDULES

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
4" WATER CLOSET (TANK)	1/2"	--	3"	2"
2" LAVATORY	1/2"	1/2"		1 1/2" 2"
3" SERVICE SINK	1/2"	1/2"		1 1/2" 2"
FLOOR DRAIN / SINK	--	--	3"-4"	1 1/2" 2"

PLUMBING LEGEND

	SANITARY SEWER PIPING
	VENT PIPING
	DOMESTIC COLD WATER PIPING
	HOT WATER PIPING (110°)
	HOT WATER PIPING (140°)
	CONDENSATE PIPING
	COMPRESSED AIR PIPING
	TEMPERATURE & PRESSURE RELIEF
	STORM DRAIN PIPING
	GAS PIPING
	PIPE RISE OR DROP
	PIPE RISER UP
	CAPPED END OF PIPE
	CLEAN OUT
	P-TRAP
	SHUT-OFF VALVE
	CLEAN OUT TO GRADE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	HOSE BIBB
	VENT THRU ROOF
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALANCING VALVE
	GAS COCK
	WATER HAMMER ARRESTOR
	FILTERED WATER
	BACKFLOW PREVENTOR
	INDIRECT WASTE
	FLOOR SINK
	THERMOSTATIC MIXING VALVE

KITCHEN EQUIPMENT SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	MANUFACTURER	MODEL	WATER			WASTE	
B2	1	500LB CUBE ICE MACHINE	SCOTSMAN	C0530MA-1	1/2"				3/4"
B2A	1	525LB ICE BIN	SCOTSMAN	B530P					3/4"
6	1	BEER DISPENSER	AVANTCO	178UDD4HC					1/2"
D1	3	HAND SINK	REGENCY	600HS12	1/2"	1/2"	1 1/2"		
D3	3	THERMAL MIXING VALVES	WATTS	LFMMV	1/2"	1/2"			
D2	1	3 COMPARTMENT SINK	REGENCY	600S31014212	1/2"	1/2"+		1 1/2" X 3	
D3	1	MOP SINK	REGENCY	600SM16206				2"	
D3A	1	MOP SINK FAUCET	REGENCY	600FMS89	1/2"	1/2"+			
D4	1	DISHWASHER	NOBLE	HT-180		1/2"+		1.5"	
D5	2	PREP SINK, 1 COMPARTMENT	REGENCY	600S12323	1/2"	1/2"		3.5"	
	1	WATER HEATER	SEE SCHEDULE	SEE SCHEDULE	3/4"	3/4"+			
		FLOOR SINKS	ZURN	Z1900-23-31 (ZS1900 IF IN EXPOSED AREAS)					
		FLOOR DRAINS*	ZURN	ZS415 W/ TYPE BS STRAINER					

RESTROOM FIXTURE SCHEDULE

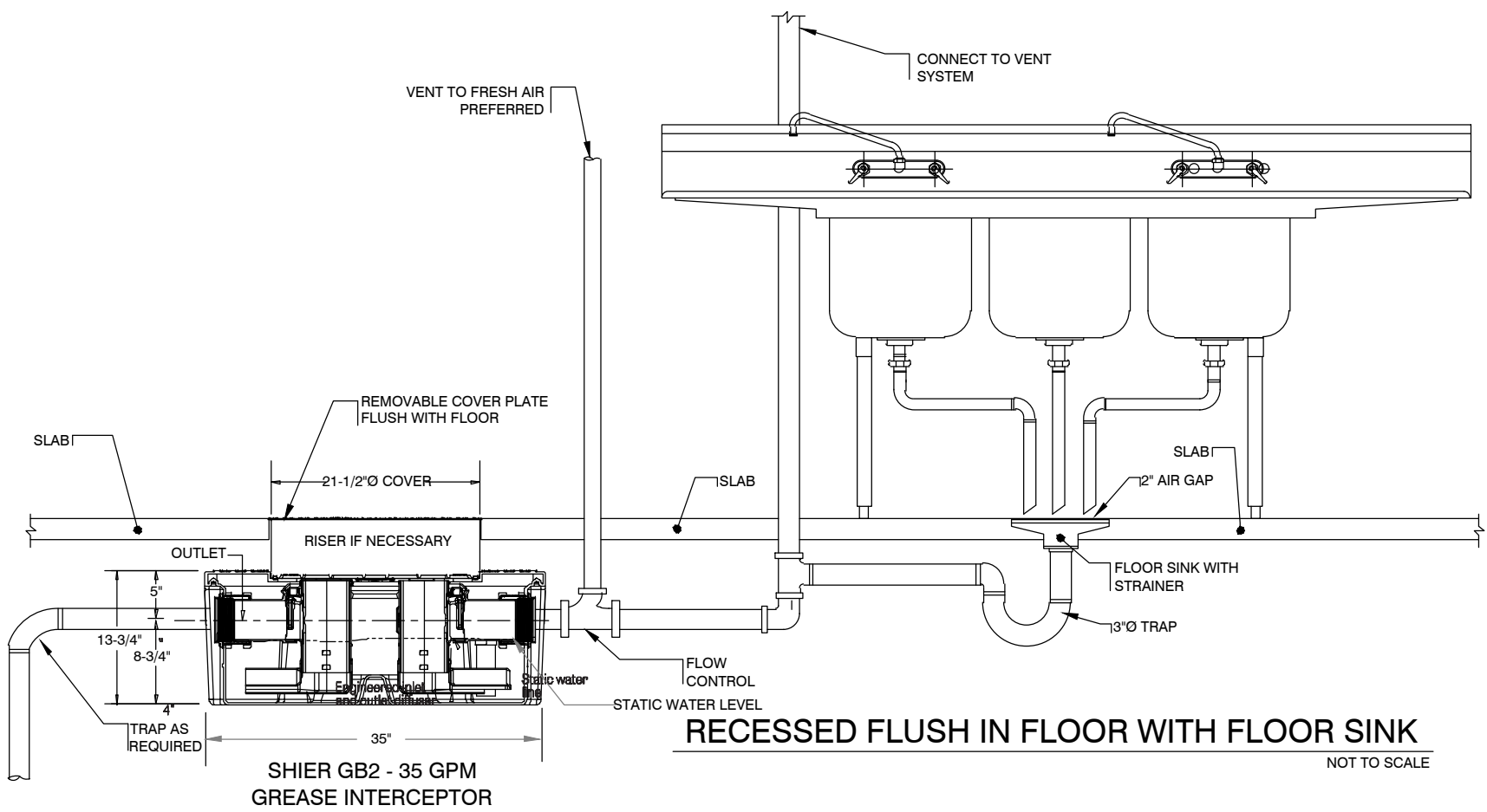
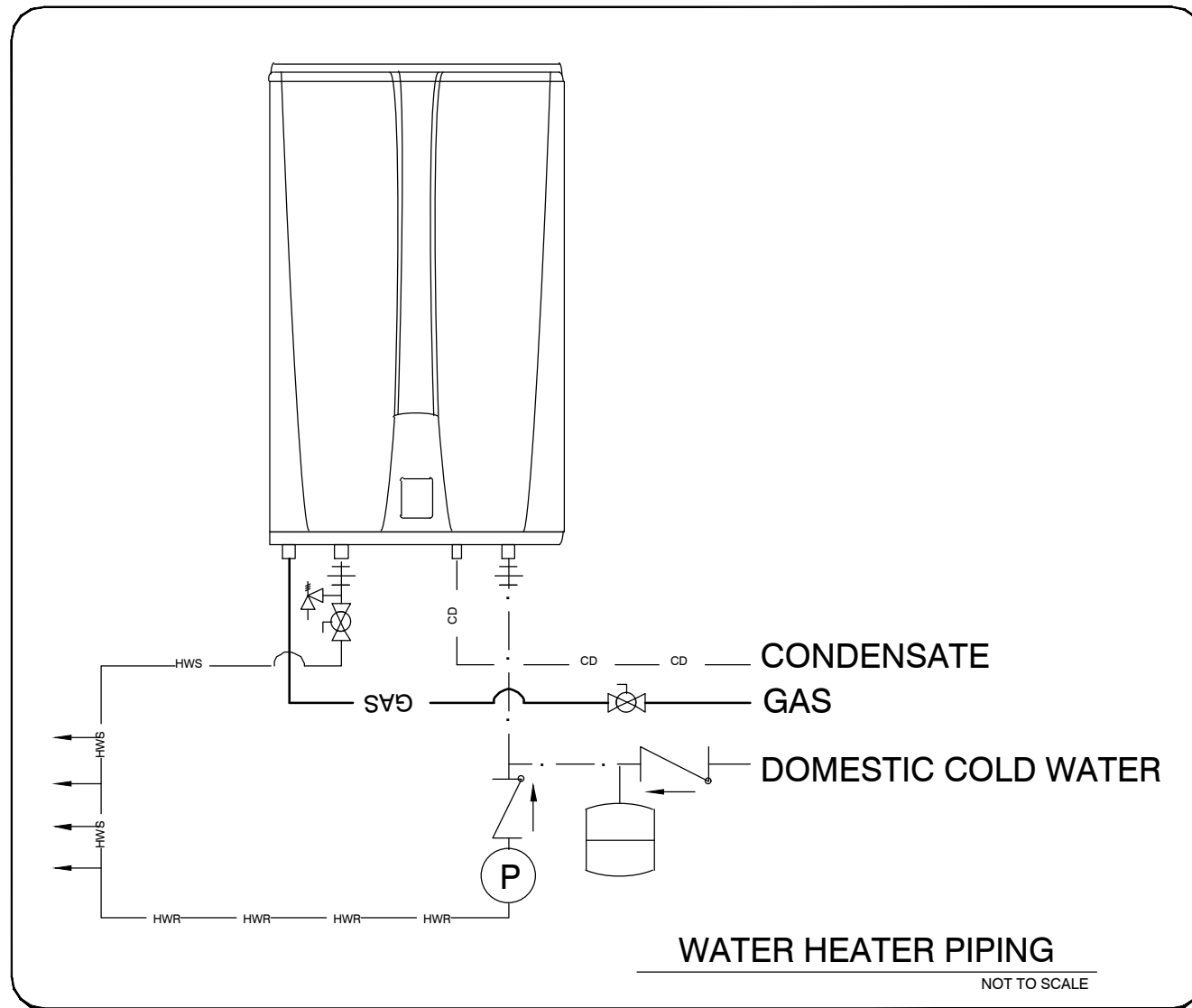
Item No.	Qty.	Description	Manufacturer	Model	WATER		WASTE		
H1	2	LAVATORY	AMERICAN STANDARD	0355.012				1 1/4"	
H1A	2	LAVATORY FAUCET	BY OWNER		1/2"	1/2"			
	2	THERMAL MIXING VALVES	WATTS	LFMMV	1/2"	1/2"			
	2	INSULATED PLUMBING COVERS	LAV GUARD	102					
C	2	WATER CLOSET	AMERICAN STANDARD	CADET 3	1/2"		3"	1.28	GPF

WATER HEATER SCHEDULE

MANUFACTURER	RINNAI
MODEL	RUC98e
STATUS	NEW
CAPACITY	TANKLESS
FUEL	GAS
BTU/HR	199,000
FLOW RATE	5.1 GPM*
ENERGY FACTOR	0.93
PUMP	GTK15
VOLTAGE	120/1/60
AMPERAGE	5
WEIGHT (EMPTY)	62 LBS.
* @ 75° F TEMPERATURE RISE	

	SANITARY SEWER PIPING
	VENT PIPING
	DOMESTIC COLD WATER PIPING
	HOT WATER PIPING (110°)
	HOT WATER PIPING (140°)
	CONDENSATE PIPING
	COMPRESSED AIR PIPING
	TEMPERATURE & PRESSURE RELIEF
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	GAS COCK
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	INDIRECT WASTE
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SPECIFICATION

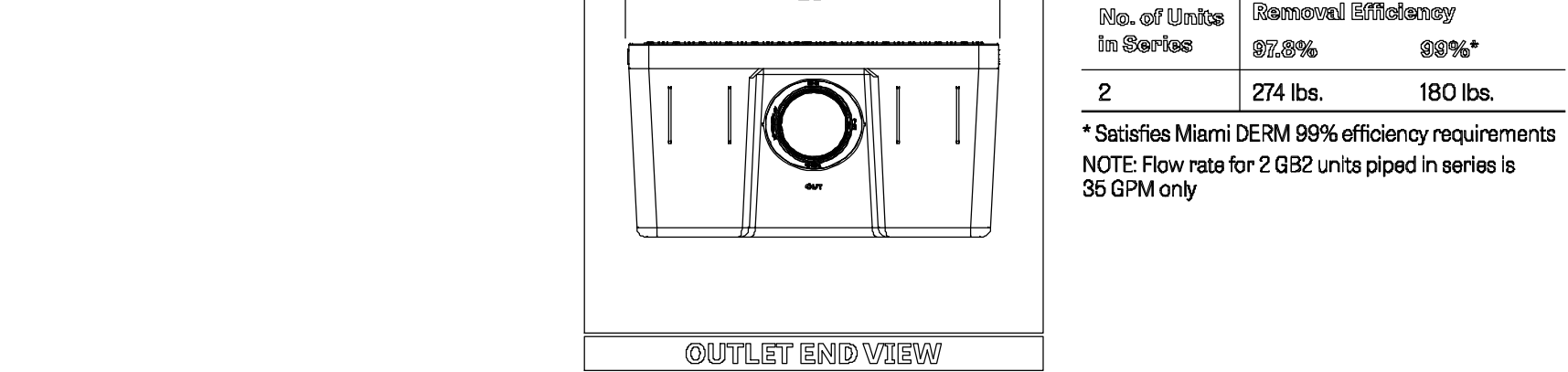
- Notes**
- 4" FPT inlet/outlet with 4"x3" FPT fittings.
 - Unit weight - 49 lbs. (wet weight 218 lbs.)
 - Capacities - Liquid: 20 gal.
@ 35 GPM- Grease: 130 lbs. (17.8 gal.)
@ 60 GPM- Grease: 127 lbs. (17.8 gal.)
Solids: 1.8 gal.
 - Built-in flow control.
 - For gravity drainage applications only.
 - Do not use for pressure applications.
 - Cover placement allows full access to tank for proper maintenance.
 - Vent not required unless per local code.
 - Engineered inlet and outlet diffusers are removable to inspect/clean piping.
 - Integral air relief / anti-siphon.

Engineer Specification Guide

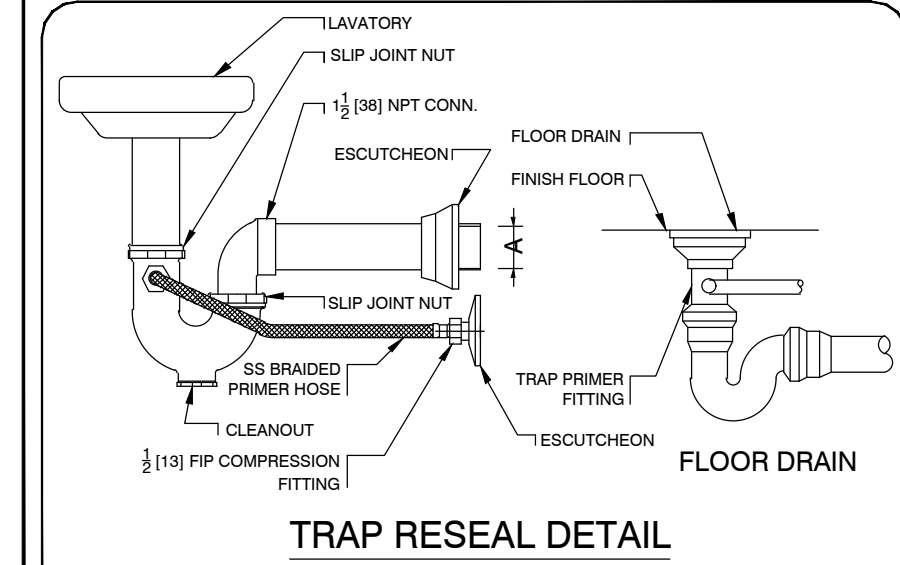
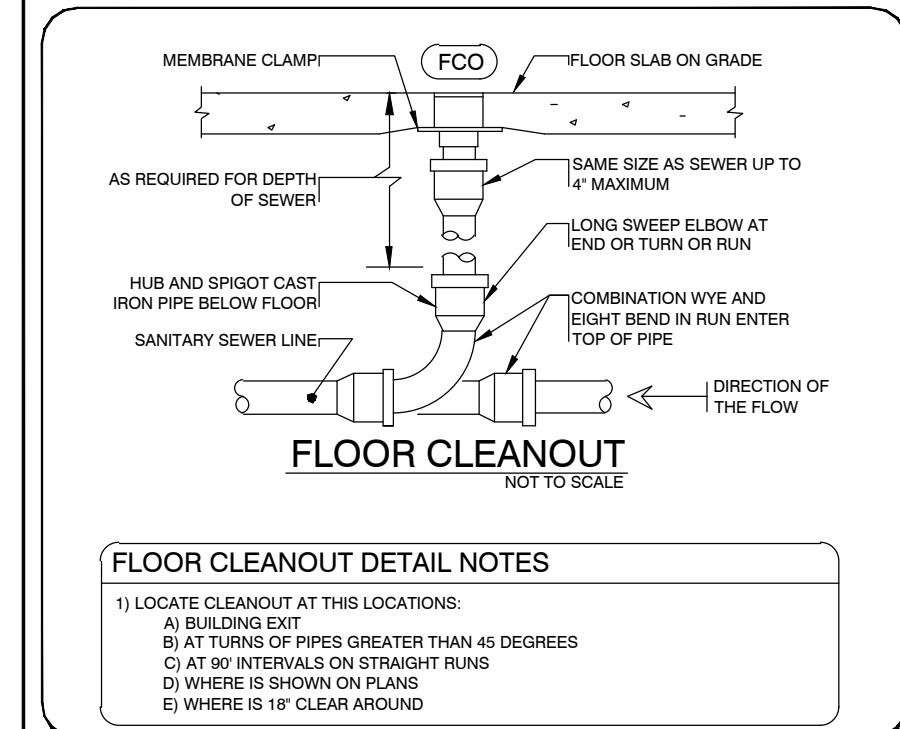
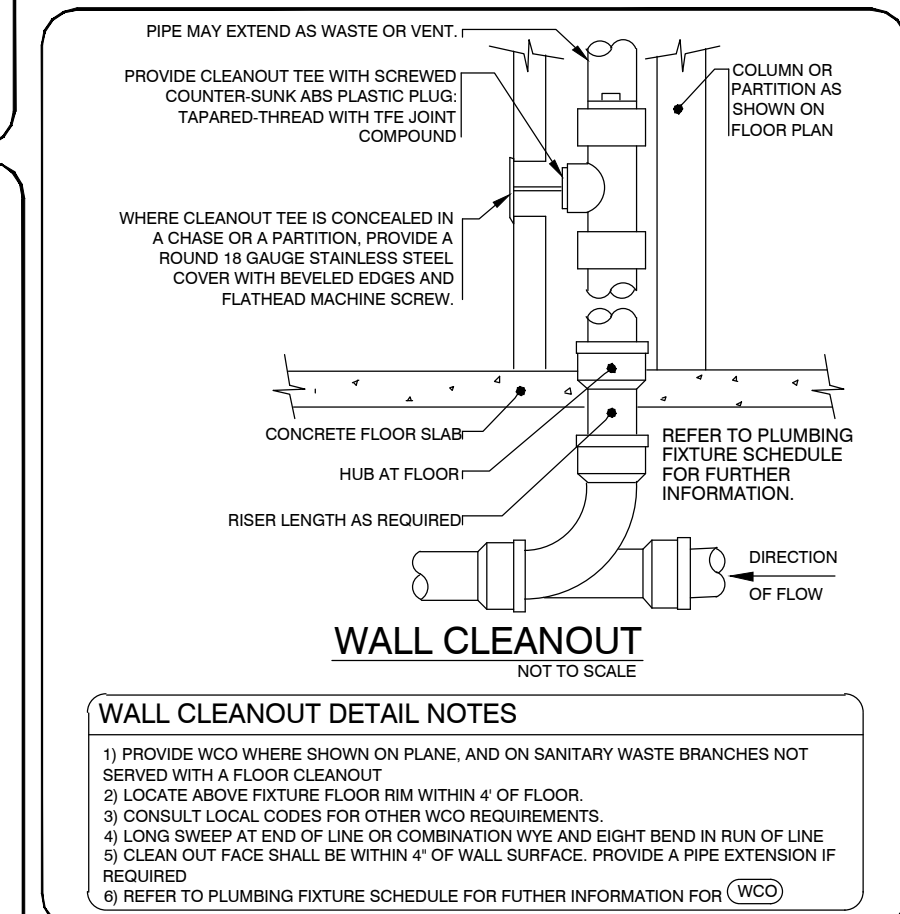
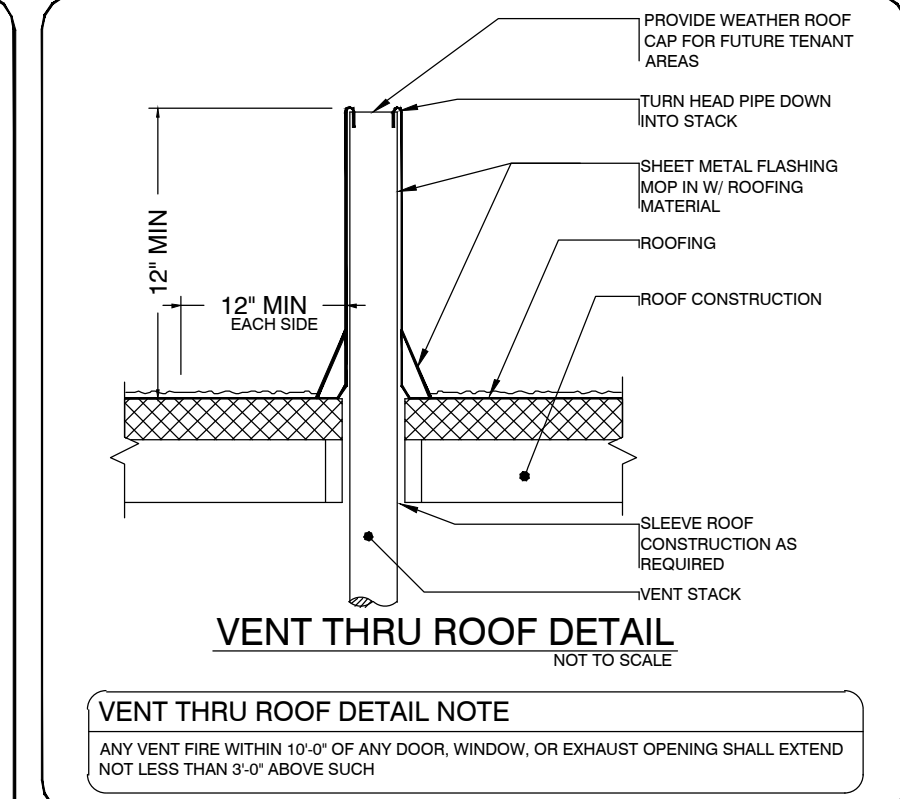
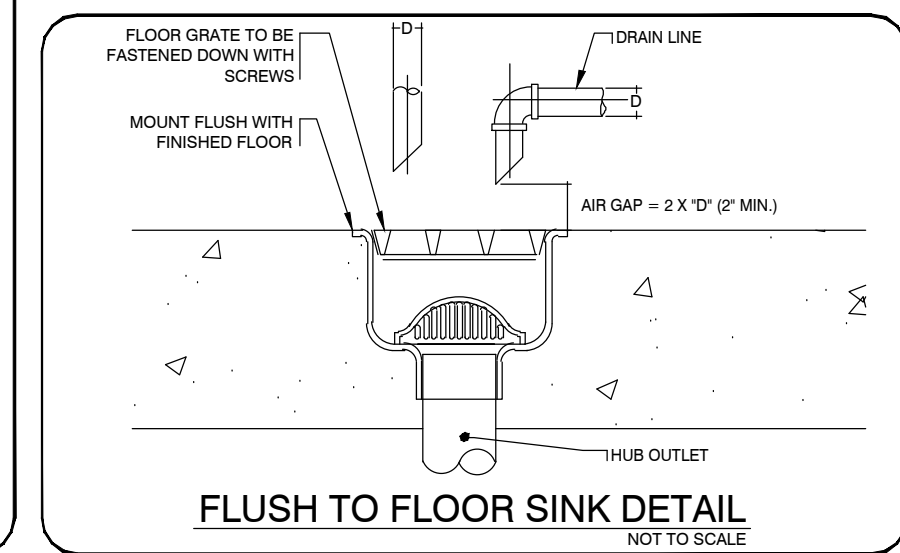
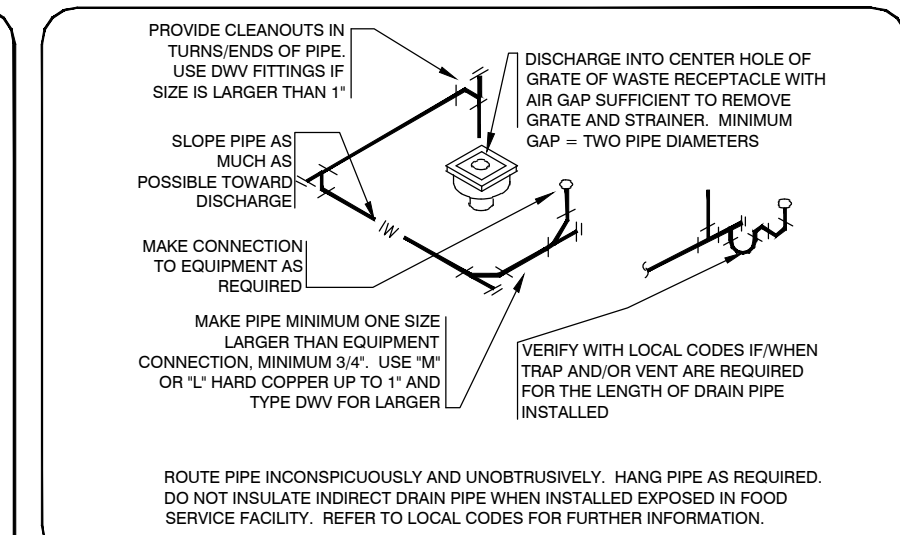
Schier Great Basin™ grease interceptor model #GB2 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (Type C) and CSA B481.1, with field cut riser system, built-in flow control, built-in test caps and three outlet options. Interceptor flow rate shall be 35 or 50 GPM. Interceptor grease capacity shall be 130 lbs. @ 35 GPM or 127 lbs. @ 50 GPM. Cover shall provide water/gas-tight seal and have minimum 450 lbs. load capacity.

Certified Performance

Great Basin™ hydromechanical grease interceptors are third party performance tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code, the National Standard Plumbing Code, the National Plumbing Code of Canada, and the International Plumbing Code.



	MODEL NUMBER: GB2	DESCRIPTION: 35/50 GPM Polyethylene Grease Interceptor
8650 Woodland Road Denver, CO, 80231 Tel: 303-455-8800 www.schierproducts.com	PART #: 4086-001-03	ENGINEER: B. Karrer
	DATE: 5/01/2018	REV: 001



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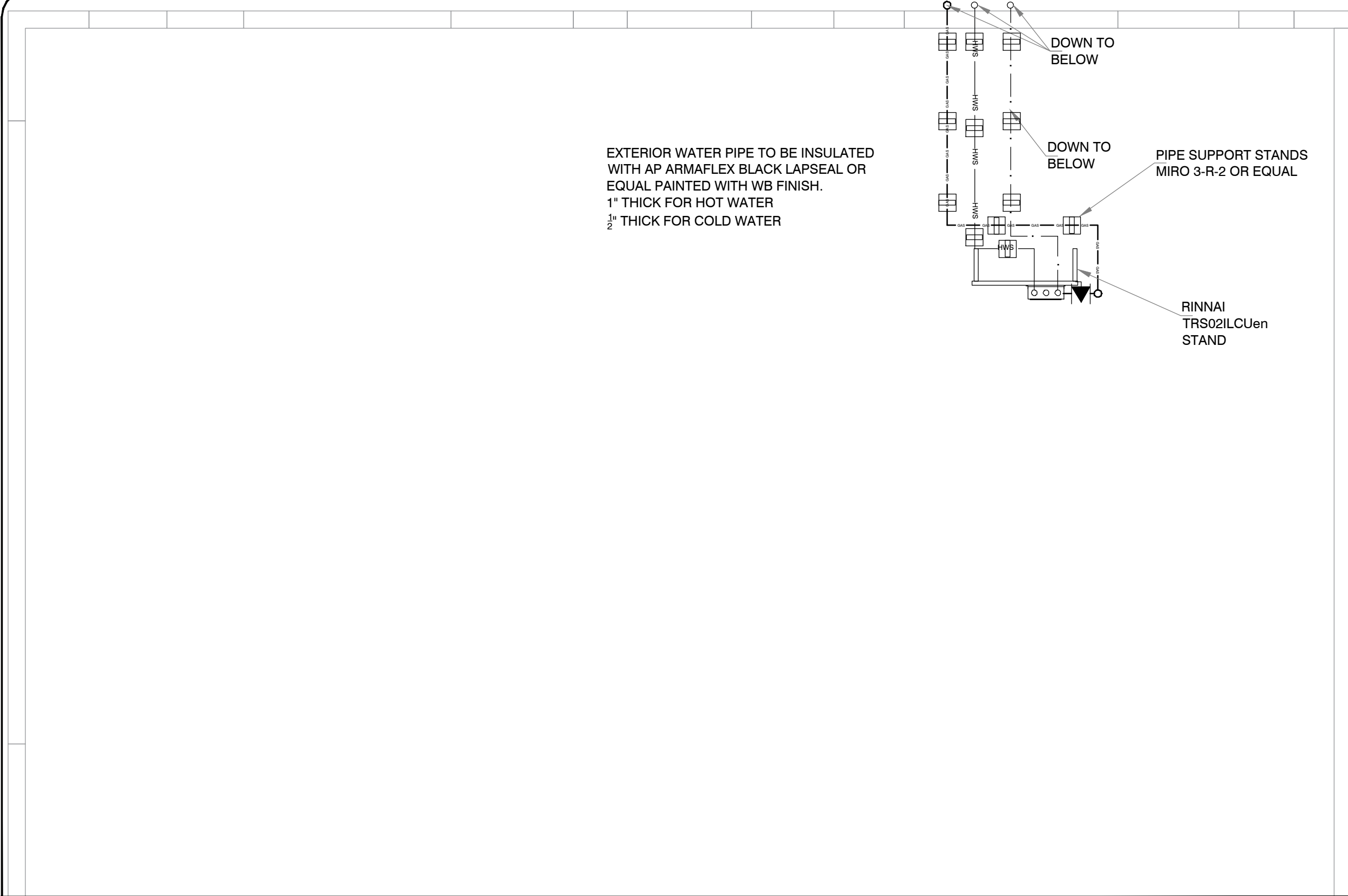
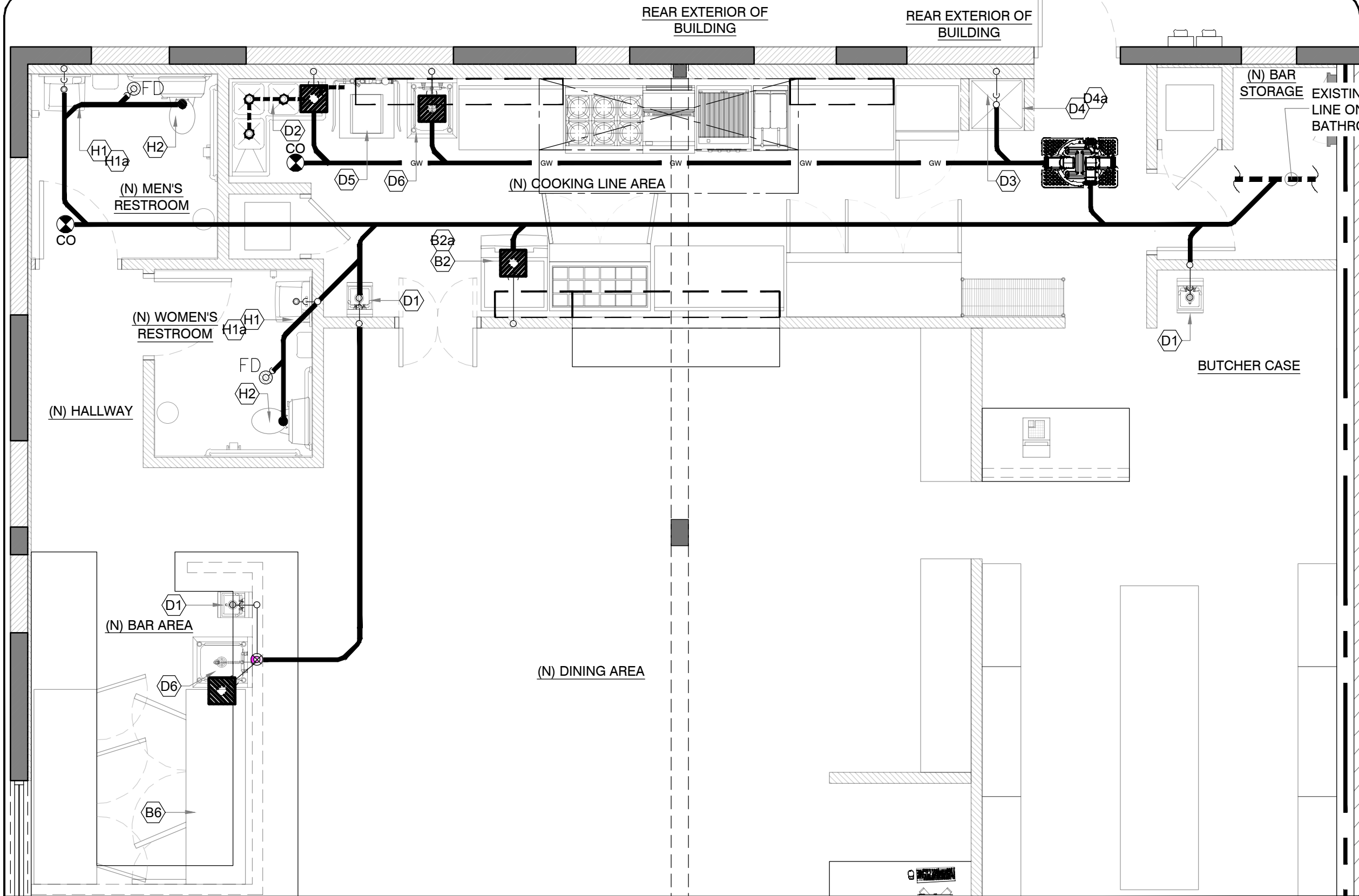
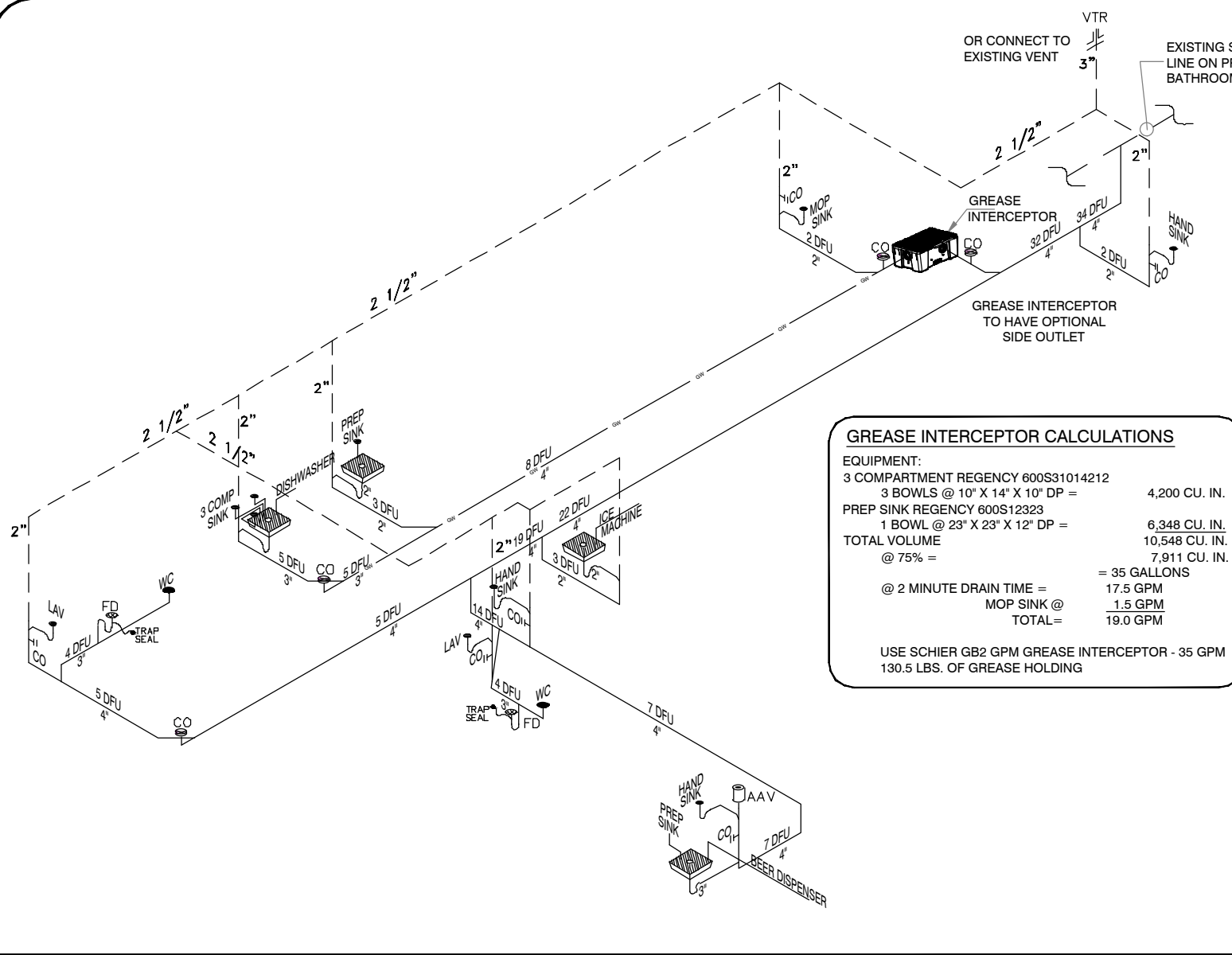
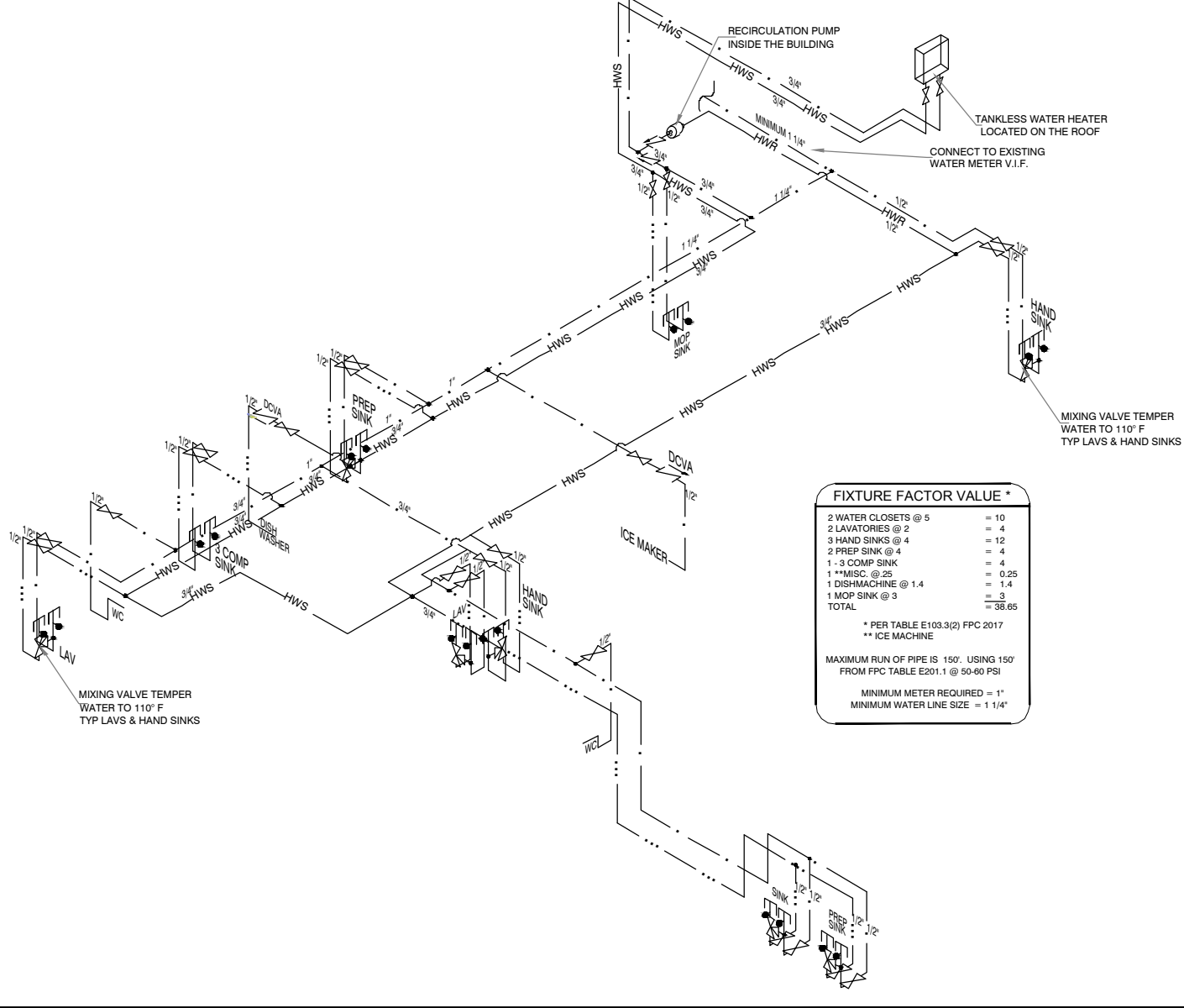
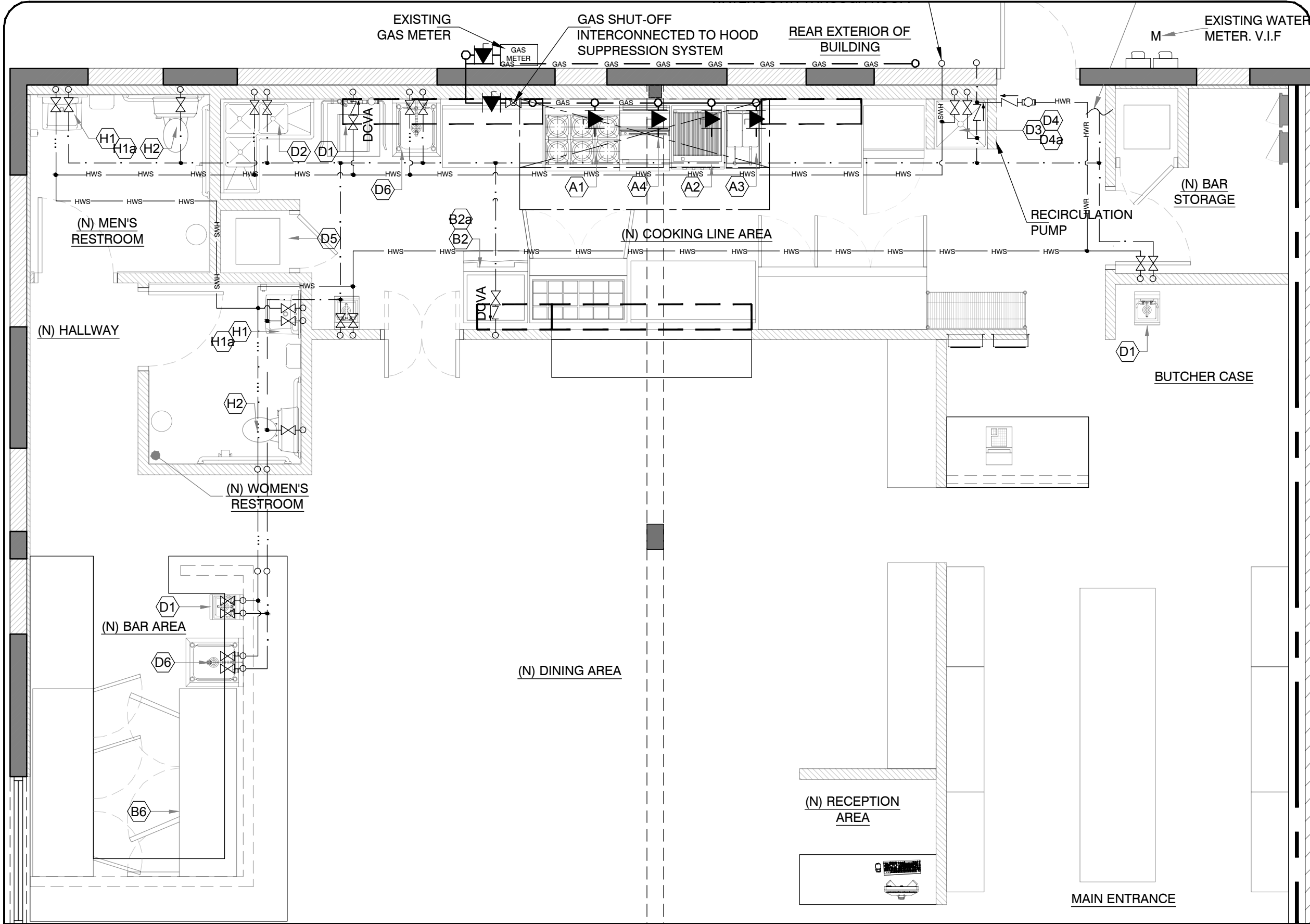
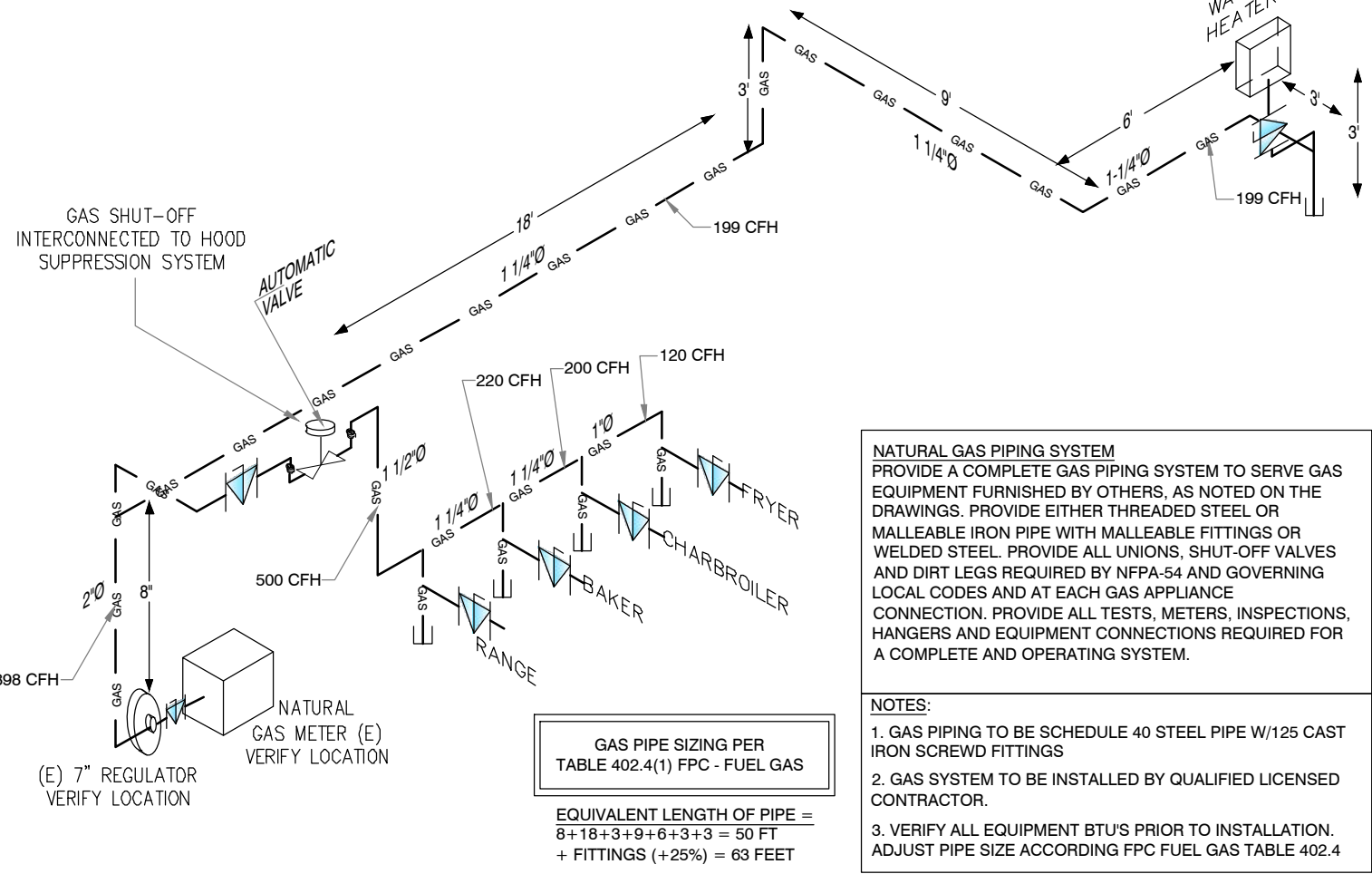
ALAN J KARP PE#32612
REGISTERED ENGINEER
STATE OF FLORIDA

ISSUE DATE: 09.17.19
PROJECT #: 310.1295
DRAWN BY: LD
CHECKED BY: AK

PLUMBING
DETAILS &
GENERAL NOTES

P-1

GAS SCHEDULE						
ITEM NO.	QTY.	DESCRIPTION	MANUFACTURER	MODEL	SIZE	BTU/HR
A1	1	RANGE	REGENCY	60-CPGV-6B-24G-S26	3/4"	280,000
A2	1	CHARBROILER	WELLS	HDCB-2430G	3/4"	80,000
A3	1	FRYER	AVANTCO	177FF400	3/4"	120,000
A4	1	SALAMANDER	BAKER PRIDE	155BPSB24	3/4"	35,000
D3	2	WATER HEATER	NAVLEN	NPE-240	3/4"	199,000
TOTAL LOAD						714,000



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PROJECT

BUTCHER AND BARREL LLC
3580 NE 12TH AVE.
OAKLAND PARK, FL 33334

REVISIONS DATES:
09.19.19 CITY SET

PROFESSIONAL SEAL

ALAN J. KARP PE#32612
REGISTERED ENGINEER
STATE OF FLORIDA

ISSUE DATE: 09.17.19
PROJECT #: 310.1295
DRAWN BY: LD
CHECKED BY: AK

PLUMBING PLANS & RISERS

P-2

MECHANICAL PLAN NOTES

- A. USE EXISTING ROOFTOP UNITS AND PROVIDE (2) NEW SPLIT SYSTEMS AND DUCT SYSTEMS AS SHOWN. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN AIR DUCT CONNECTIONS. INSTALL FIRE DAMPERS IN ANY FIRE WALLS AND BETWEEN FLOORS. TRANSITION TO DUCT SIZES SHOWN. PROVIDE DUCTWORK AND AIR DISTRIBUTION DEVICES AS INDICATED ON THE PLAN. EXISTING DUCTWORK MAY BE REUSED WHERE POSSIBLE. REFER TO A/C UNIT SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- B. FOR EXISTING UNITS OVER 2,000 CFM CHECK FOR 120V RETURN DUCT MOUNTED AIR SMOKE DETECTOR AND THAT IT MEETS REQUIREMENTS OF U.L. 288A. INTERLOCKED TO SHUTDOWN A/C UNIT UPON DETECTION OF SMOKE. IF NECESSARY PROVIDE SMOKE DETECTOR WITH AN ANNUNCIATOR, ALARM AND POWER L.E.D.'S FOR VISIBLE AND AUDIBLE ALARM SIGNAL, AND VISIBLE TROUBLE SIGNAL. MOUNT ANNUNCIATOR ON ROOM SIDE OF CEILING.
- C. ALL DUCTS WILL BE FIBERBOARD OR MINIMUM 26 GAUGE SHEET METAL WITH EXTERNAL DUCT WRAP INSULATION. ALL DUCTS TO BE MANUFACTURED AND INSTALLED ACCORDING TO ASHRAE AND SMACNA METAL DUCT CONSTRUCTION STANDARD, LATEST EDITION. ALL MATERIALS WILL CONFORM TO NFPA 90A.
- D. THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE TYPE. MOUNT THERMOSTAT 48" A.F.F. COORDINATE LOCATION OF THERMOSTAT.
- E. ALL AIR DUCTS WITH INSULATION SHALL HAVE A MINIMUM OF THICKNESS OF 1.5", R-8 INSULATION ACCORDING TO F.B.C. -ENERGY -2017.
- F. ALL SEAMS, JOINTS, ETC WILL BE SEALED TO MAKE AIR DUCT AIRTIGHT. PRESSURE SENSITIVE MATERIALS AND OTHERS APPROVED BY LATEST SMACNA. SEALING MATERIALS WILL BE USED.
- G. ALL EVAPORATOR UNITS SHALL HAVE A FLOAT SWITCH TO CONTROL OVERFLOW THAT WILL AUTOMATICALLY SHUT DOWN THE A/C SYSTEM. THE DEVICE SHALL BE ATTACHED TO THE SECONDARY DRAIN OUTLET ON THE UNIT.
- H. ALL A/C CONDENSATE DRAINS WILL BE 1" PVC AND WILL TERMINATE IN THE NEAREST ROOF DRAIN.
- I. ALL EQUIPMENT AND MATERIALS WILL BE INSTALLED ACCORDING TO THE MANUFACTURERS INSTRUCTIONS AND ACCORDING TO THE BEST PRACTICE.
- J. TESTING AND BALANCING SHALL BE DONE IN ACCORDANCE WITH FBC MECH 511.2.2.1 & 511.3.1. BALANCING PROCEDURES SHALL BE IN ACCORDANCE WITH THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (N.E.B.B.), THE ASSOCIATED AIR BALANCE COUNCIL (A.A.B.C) NATIONAL STANDARDS OR EQUIVALENT PROCEDURES.
- K. HANGER ATTACHMENTS TO THE STEEL STRUCTURE WILL BE RATED POWDER ACTUATED FASTENERS, "C" CLAMPS, WELDED STUDS, CLAMP HANGERS, JOIST CLAMPS OR OTHER METHODS RECOMMENDED BY SMACNA'S "METAL AND FLEXIBLE STANDARDS", CHAPTER 4, AND WILL HAVE A MINIMUM SAFETY MARGIN OF 4:1.
- L. EXHAUST HOODS, DUCTS, CURBS, FANS AND CONTROLS TO BE SUPPLIED AND INSTALLED BY HOOD CONTRACTOR ACCORDING TO THE MANUFACTURERS INSTRUCTIONS, THE FBC, NEC AND NFPA 96.
- M. ALL HVAC CONTROLS AND CONTROL WIRING SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- N. HVAC SYSTEM TO BE TIED INTO MALL ENERGY MANAGEMENT SYSTEM AT TENANTS COST.

GENERAL NOTES

- A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- B. CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING, OR PROCEEDING WITH WORK.
- C. DRAWINGS/DETAILS ARE TO BE CONSIDERED DIAGRAMMATIC, NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL MINOR ITEMS. UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE STRUCTURAL, ARCHITECTURAL, AND SITE CONDITIONS SHALL GOVERN EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK, AND CHECK/COORDINATE DRAWINGS OF ALL TRADES.
- D. COORDINATE WITH THE WORK OF OTHERS SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISERS AND DRIPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- E. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO MANUFACTURERS STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- F. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- G. USE OF COMBUSTIBLE MATERIALS IS NOT ALLOWED IN THE RETURN AIR PLENUM. MATERIALS USED IN THE PLENUM SHALL HAVE FLAME SPREAD RATING NOT TO EXCEED 25, AND SMOKE DEVELOPED RATING NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. ALL EXPOSED WIRING IN THE PLENUM SHALL BE PLENUM RATED.
- H. VERIFY LOCATION OF PERMISSIBLE NEW STRUCTURAL ROOF PENETRATIONS AND ADAPT THE REQUIRED DUCTS ACCORDINGLY. THE OPENINGS MUST BE LOCATED USING A REBAR LOCATOR, TRYING TO LEAVE A TRANSVERSE BAR WITHIN 4" FROM THE OPENING. LOCATE OPENINGS AT MID-DISTANCE BETWEEN THE STEMS OF THE DOUBLE TEE AND LONGITUDINAL REINFORCEMENT SHALL NEVER BE CUT. CALL THE ARCHITECT'S OFFICE IN CASE OF UNEXPECTED DIFFICULTIES.
- I. ALL A/C AND FRESH AIR ROUND EXPOSED DUCTS WILL BE DOUBLE WALLED AND INTERNALLY INSULATED. ALL RECTANGULAR DUCTS IN THE BACK ROOM WILL BE FIBER DUCTS. ALL SG SUPPLY GRILLS WILL BE DOUBLE DEFLECTION WITH VOLUME CONTROLS.
- J. G.C. SHALL CONTRACT LANDLORD-APPROVED ROOFING CONTRACTOR TO FLASH AND SEAL ALL ROOF PENETRATIONS TO MAINTAIN ROOFING WARRANTY.
- K. IF APPLICABLE CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR KITCHEN VENTILATION SYSTEM INCLUDING TYPE 1 HOOD AND FOR THE WALK-IN COOLER & FREEZER.
- L. REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- M. CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE.
- N. OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER.

FAN SCHEDULE

DESIGNATION	MEF-1	MUA-1	EF-2	BEF-3
STATUS	NEW	NEW	NEW	NEW
QUANTITY	1	1	1	2
MANUFACTURER	CAPTIVE AIR	CAPTIVE AIR	GREENHECK	GREENHECK
MODEL	USB18DD-RM	A2-20D-MPU	SP-A110	SP-B80
CFM	2,600	2,600	119 @ 0.1" SP	80 @ 0.1" SP
HP	2	2.0	-	-
AMPS	7.3	6.1	0.6	0.2
OUTLET CAP			BVE808	WC-6
ACCESSORIES	**	**		
WEIGHT (LBS)	433	1479	17	9
VOLTAGE	208/3/60	208/3/60	115/1/60	115/1/60

** REFER TO HOOD SHOP DRAWINGS

DIFFUSER SCHEDULE

MANUFACTURER	TITUS	TITUS	TITUS
DESIGNATION	A	B	C
MODEL	300FS	250-AA (2/3 WAY)	350RL
TYPE	SUPPLY	SUPPLY	RETURN/EXHAUST
LOCATION	DUCT MOUNTED	BATHROOMS	CEILING
CFM	UP TO 600	AS SHOWN	
FACE SIZE	-	12" X 12"	AS SHOWN
NECK SIZE	AS SHOWN	TO MATCH DUCT	TO MATCH DUCT
FRAME TYPE	FLANGED	FLANGED	LAY IN
FINISH	FIELD PAINTED	FIELD PAINTED	FIELD PAINTED
NOISE CRITERIA	<30	<30	<30
ACCESSORIES	VOLUME DAMPER	VOLUME DAMPER	

ROOF TOP UNITS

DESIGNATION	RTU-1	RTU-2
STATUS	EXISTING	EXISTING
QUANTITY	1	1
MANUFACTURER	REVOLV	TRANE
MODEL	RP7RE-030K	PRAC1436P-1A
TYPE	ROOFTOP	ROOFTOP
TONS	2.5	3
TOTAL BTU's/HR	30,000	36,000
SENSIBLE BTU's/HR	22,000	26,000
CFM	1,000	1,200
OUTDOOR AIR		
SEER	EXISTING	EXISTING
ELECTRIC HEAT (KW)	4.6 KW	5.6 KW
FAN HP	-	1/2
VOLTAGE	208/1/60	208/1/60
MCA	29.8	-
MOCP	30	40
RLA/FLA	20.0	35.9
WEIGHT	EXISTING	EXISTING
THERMOSTAT	WHITE ROGERS	WHITE ROGERS
REMOTE SENSOR	F195-0680	F195-0680
ACCESSORIES	EXISTING	EXISTING

*VERIFY IN FIELD

SCOPE OF WORK

USE EXISTING 3 TON AND 2.5 TON ROOFTOP ELECTRIC PACKAGE UNITS AND PROVIDE (2) NEW 2 TON SPLIT SYSTEM UNITS AND ALL NEW DUCTWORK AND NECESSARY ACCESSORIES FOR COMPLETE HVAC SYSTEMS.

PROVIDE EXHAUST FANS FOR BATHROOMS AND MOP SINK.

COORDINATE WITH GC ANY ADDITIONAL REFRIGERATION WORK REQUIRED AND WORK ON KITCHEN EXHAUST SYSTEM AND WITH GC AND PLUMBING CONTRACTOR PROVIDING CONDENSATE LINES FOR MECHANICAL EQUIPMENT.

OCCUPANCY CALCULATIONS PER IMC CODE TABLE 403.3

DINING ROOM	363 SQ. FT. @	70 PEOPLE/ 1000 SQ FT =	26 PEOPLE
BAR AREA	92 SQ. FT. @	100 PEOPLE/ 1000 SQ FT =	9 PEOPLE
SALES	278 SQ. FT. @	15 PEOPLE/ 1000 SQ FT =	4 PEOPLE
TOTAL			39 PEOPLE

VENTILATION REQUIREMENTS PER IMC TABLE 403.3

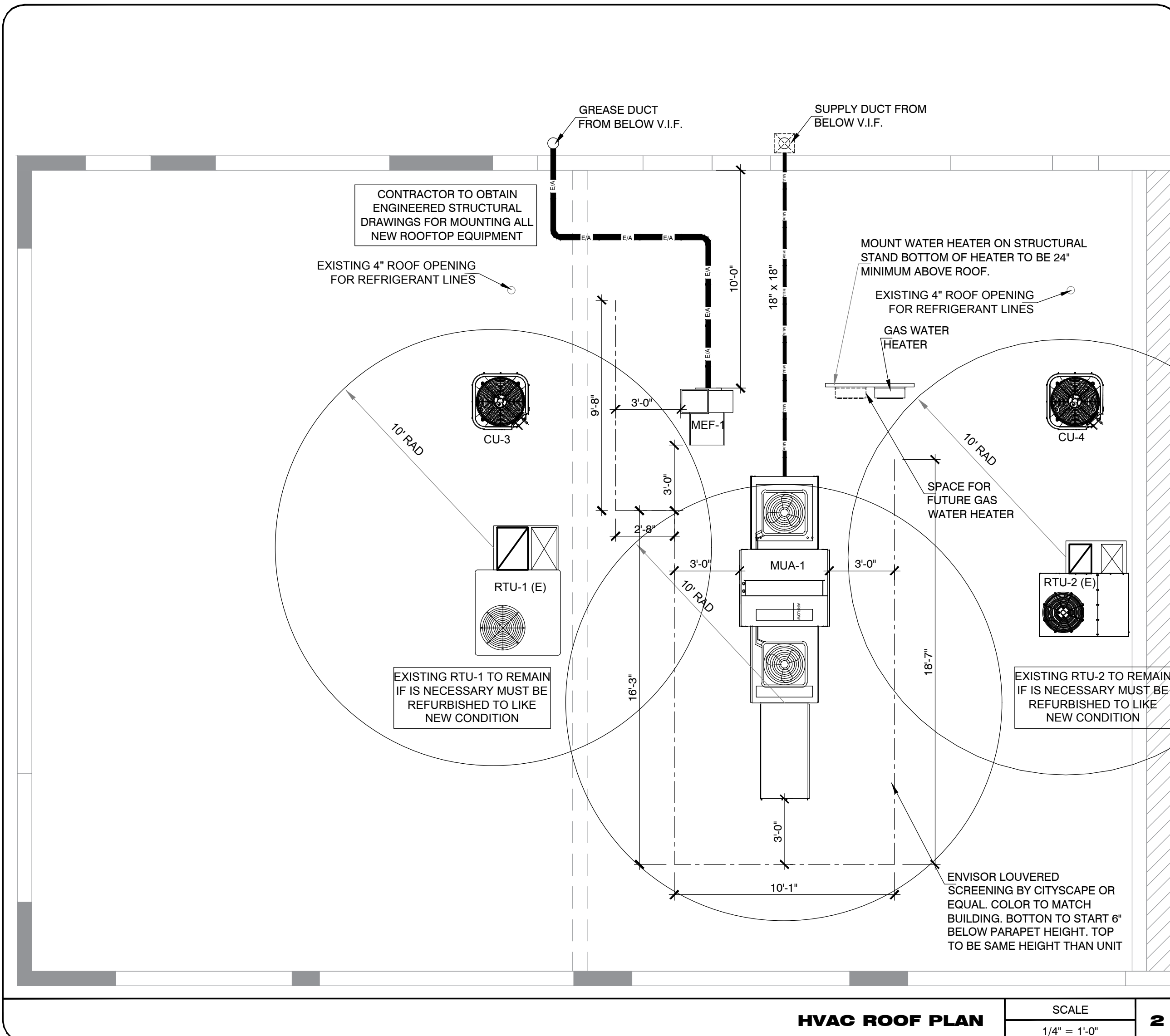
DINING ROOM	26 PEOPLE X 7.5 CFM/PP =	195 CFM
	363 SQ. FT. X 0.18 CFM/SQ. FT. =	65 CFM
BAR AREA	9 PEOPLE X 7.5 CFM/PP =	68 CFM
	92 SQ. FT. X 0.18 CFM/SQ. FT. =	17 CFM
SALES	4 PERSON X 7.5 CFM/PP =	30 CFM
	278 SQ. FT. X 0.12 CFM/SQ. FT. =	34 CFM
O/A REQUIRED		409 CFM

O/A TO RTU-1 (EXISTING)	200 CFM
O/A TO RTU-2 (EXISTING)	200 CFM
O/A TO AHU-3 (NEW)	50 CFM
O/A TO AHU-4 (NEW)	50 CFM
TOTAL O/A PROVIDED =	500 CFM

AIR BALANCE	
OUTDOOR AIR	500 CFM
MEF-1	-2,600 CFM
MUA-1	2,600 CFM
EF-2	-119 CFM
RTU BAROMETRIC RELIEF	381 CFM

DESIGNATION	CU-3,4	AHU-3,4
STATUS	NEW	NEW
QUANTITY	1	1
MANUFACTURER	CARRIER	CARRIER
MODEL	24ABC624A0030	FV4CNB003005
TYPE	SPLIT SYSTEM	
TONS	2.0	
TOTAL BTU's/HR	23,600	
SENSIBLE BTU's/HR	17,000	
CFM		800
OUTDOOR AIR		350
SEER	16	-
ELECTRIC HEAT	-	5 (3.8) KW
FAN HP	1/8	1/2
VOLTAGE	208/1/60	208/1/60
MCA	17.7	28.4
MOCP	25	30
RLA/FLA	14.3	22.4
WEIGHT	125	-
THERMOSTAT	WHITE ROGERS F195-0680	WHITE ROGERS F195-0680
	WHITE ROGERS F145-1328	WHITE ROGERS F145-1328
ACCESSORIES	SMOKE DETECTOR	SMOKE DETECTOR
	DRAIN PAN	DRAIN PAN
	FLOAT SWITCH	FLOAT SWITCH

*VERIFY IN FIELD

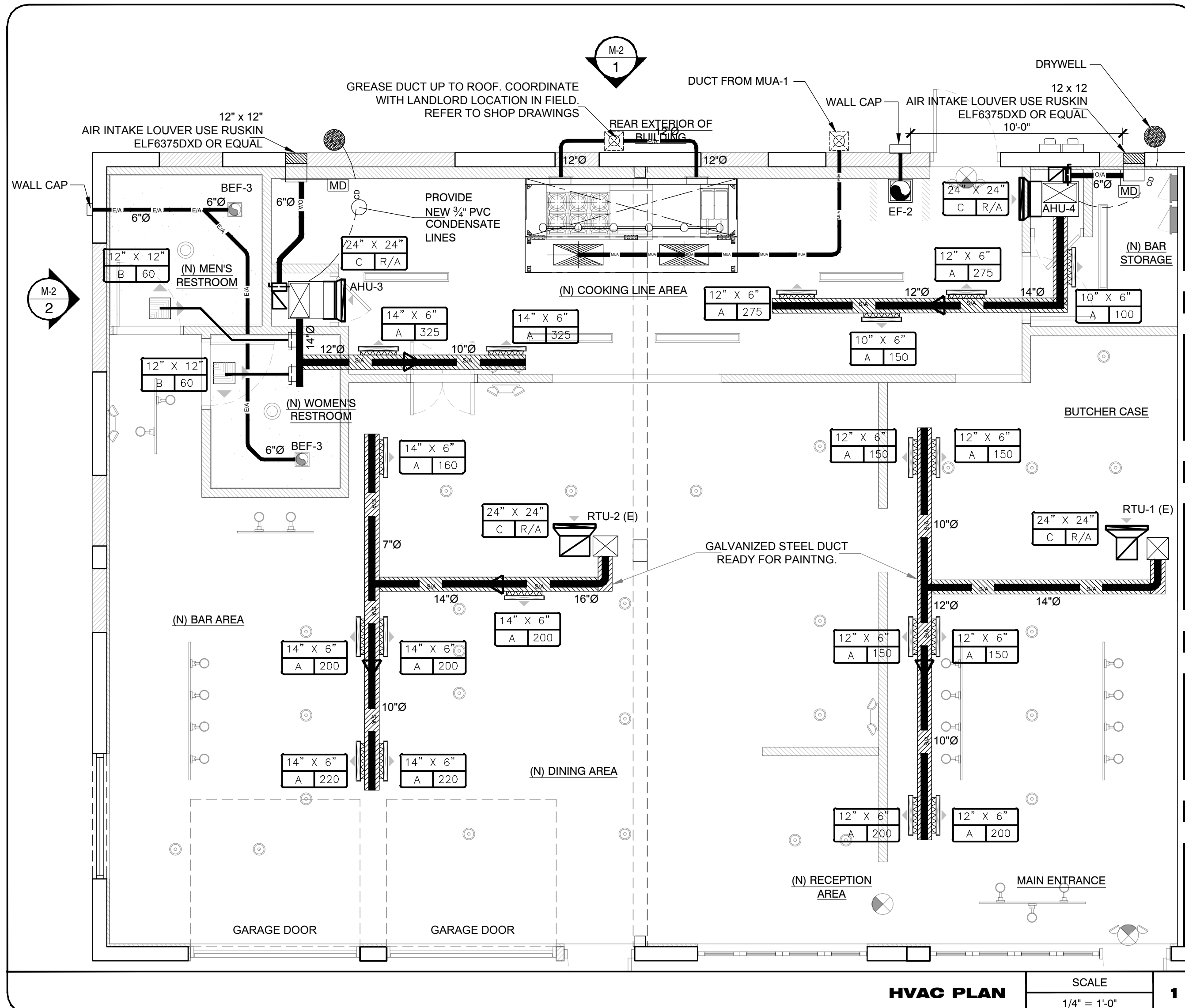


HVAC ROOF PLAN

SCALE

1/4\"/>

2



HVAC PLAN

SCALE

1/4\"/>

1

BUTCHER AND BARREL LLC

3580 NE 12TH AVE.
OAKLAND PARK, FL 33334REVISIONS DATES:
09.19.19 CITY SET

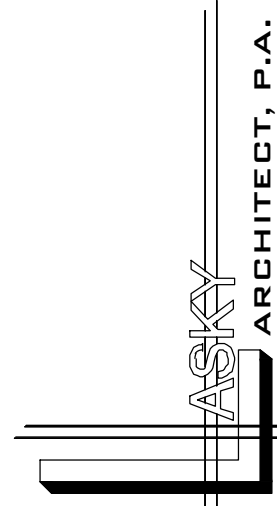
PROFESSIONAL SEAL

ALAN J. KARP PE#32612
REGISTERED ENGINEER
STATE OF FLORIDAISSUE DATE: 09.17.19
PROJECT #: 310.1295
DRAWN BY: LD
CHECKED BY: AKHVAC PLANS,
& GENERAL
NOTES

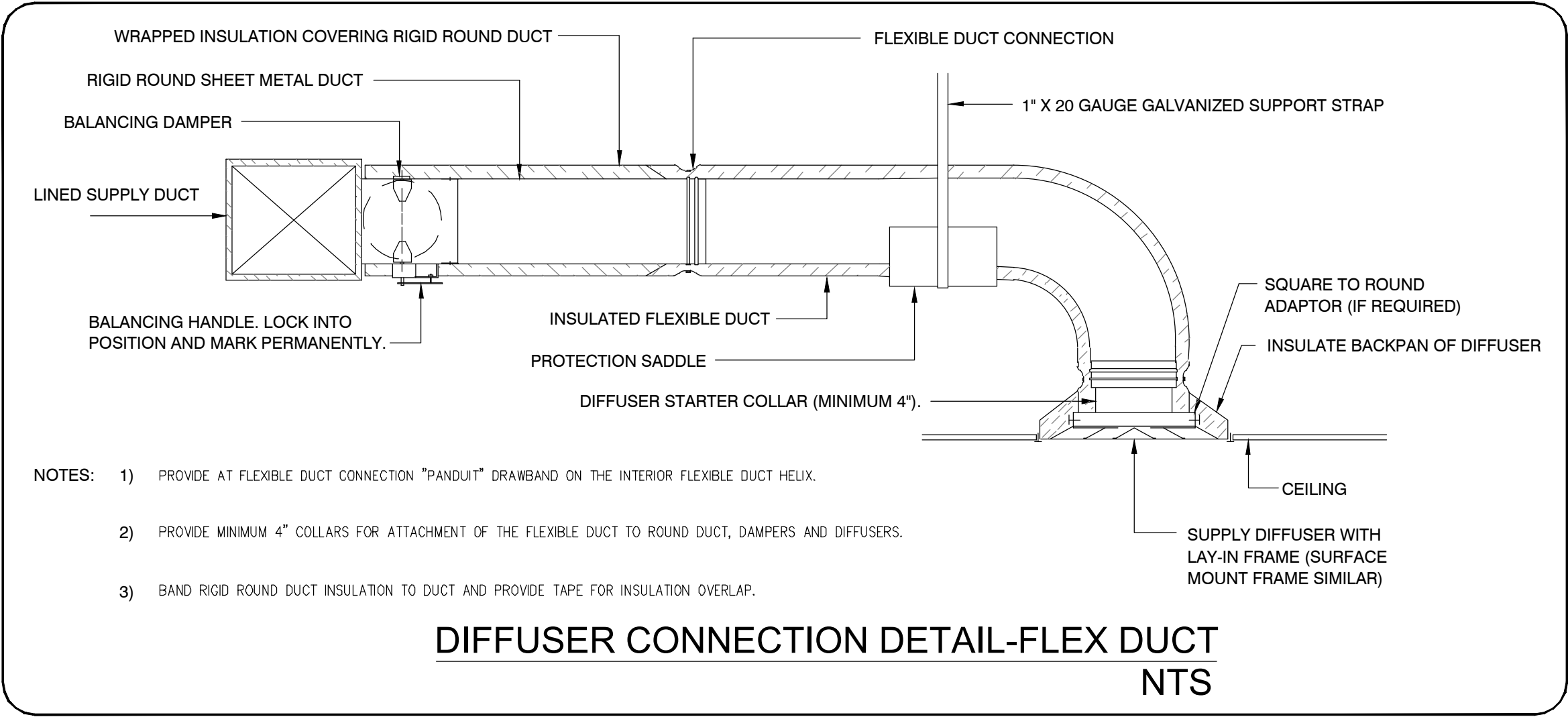
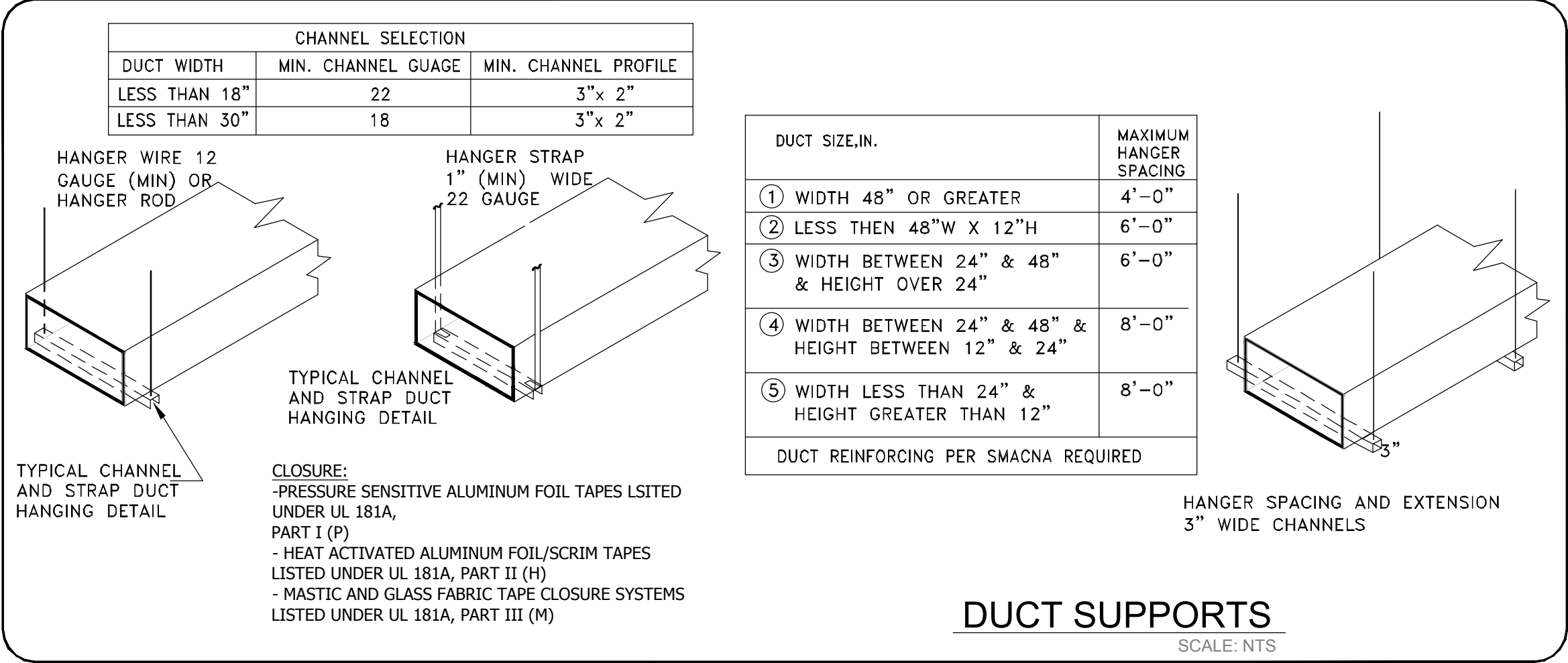
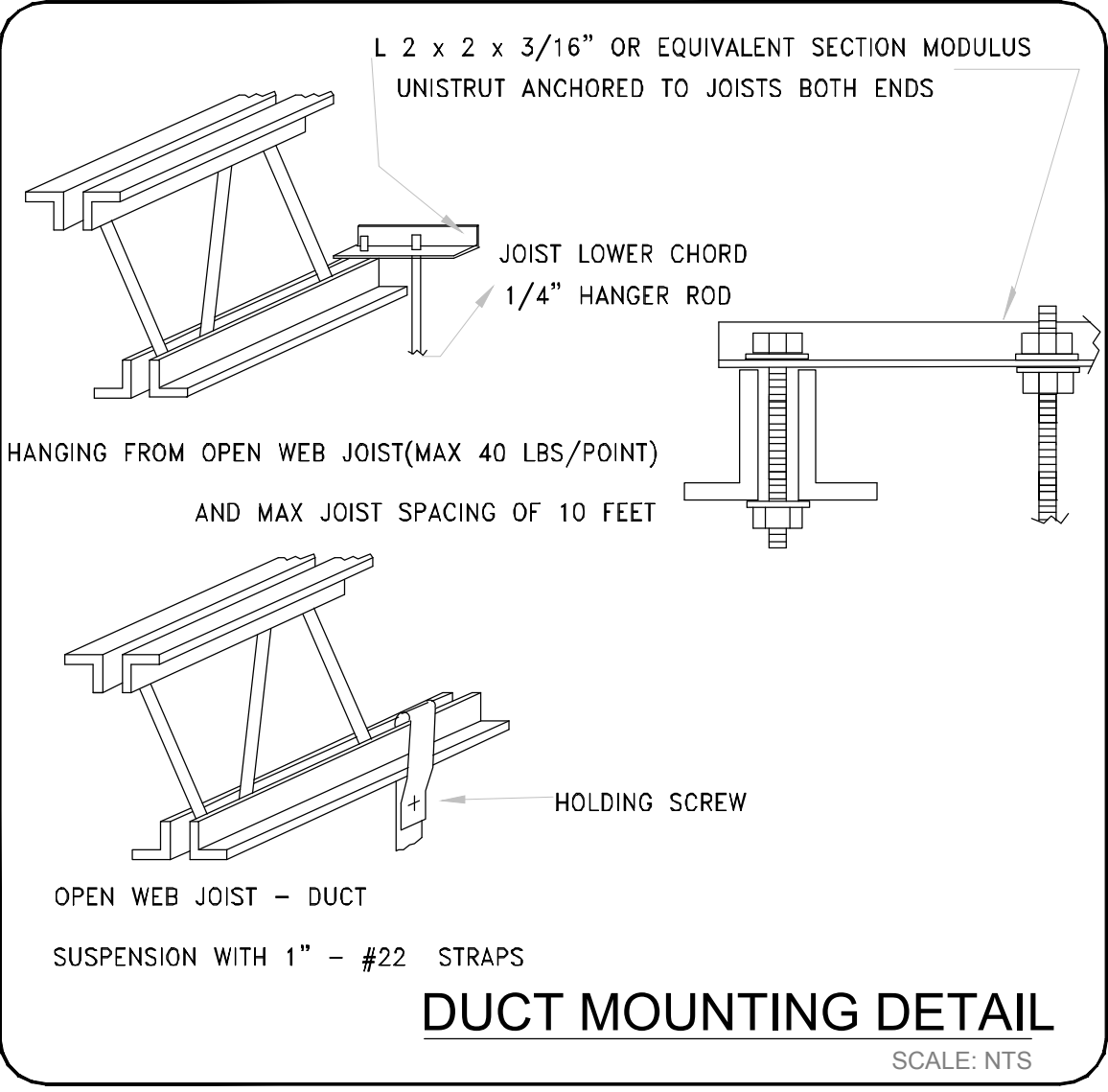
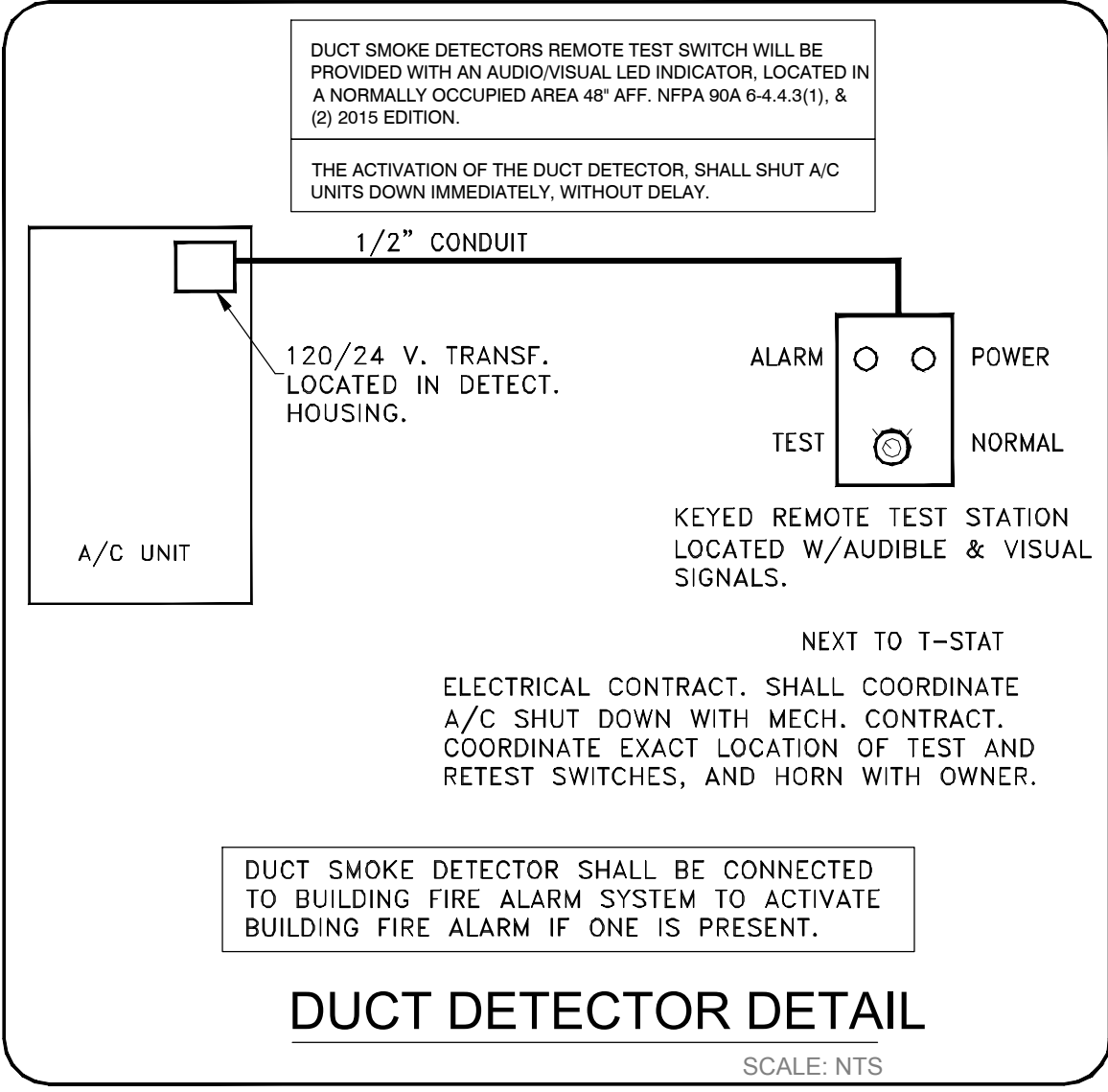
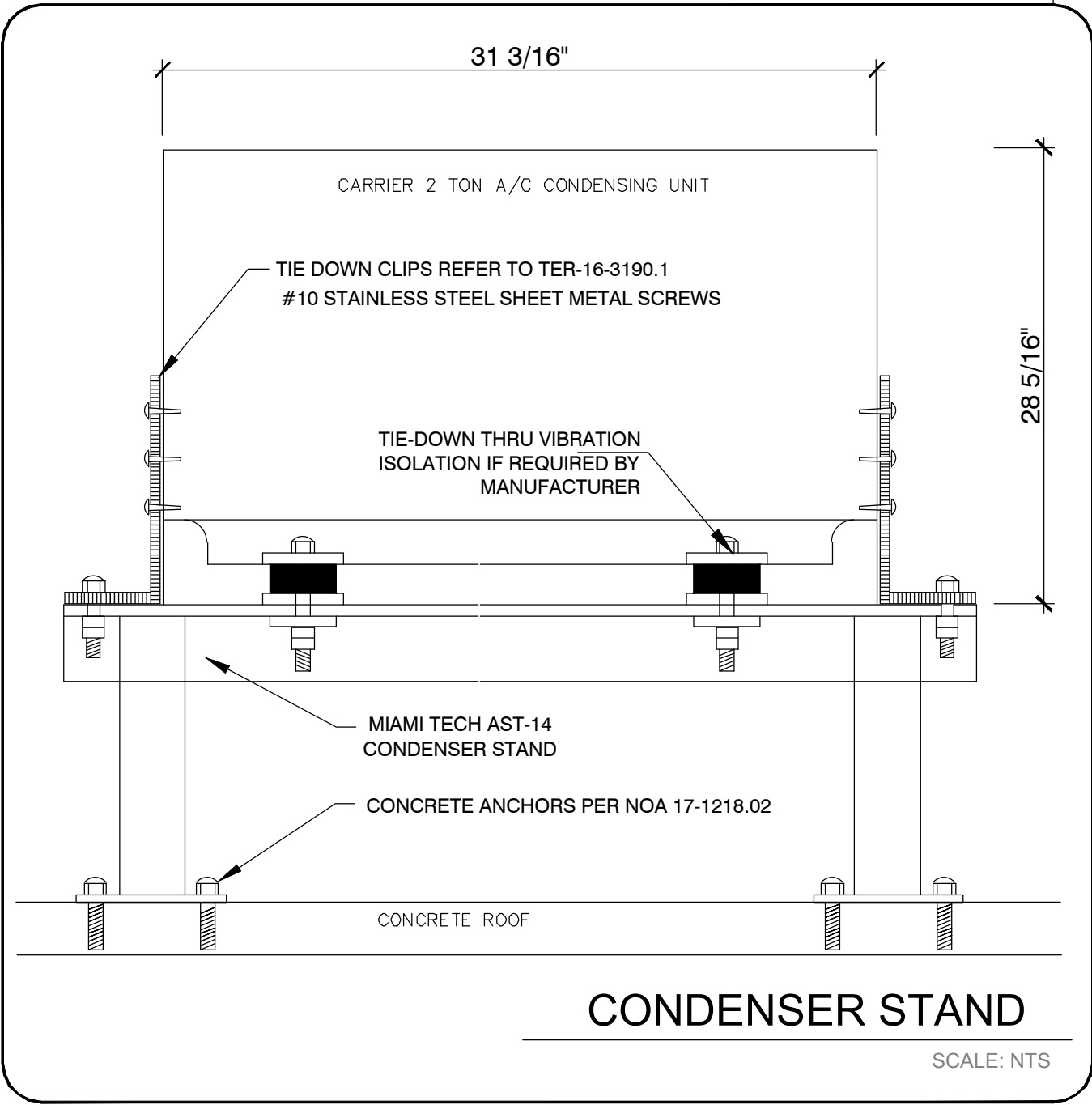
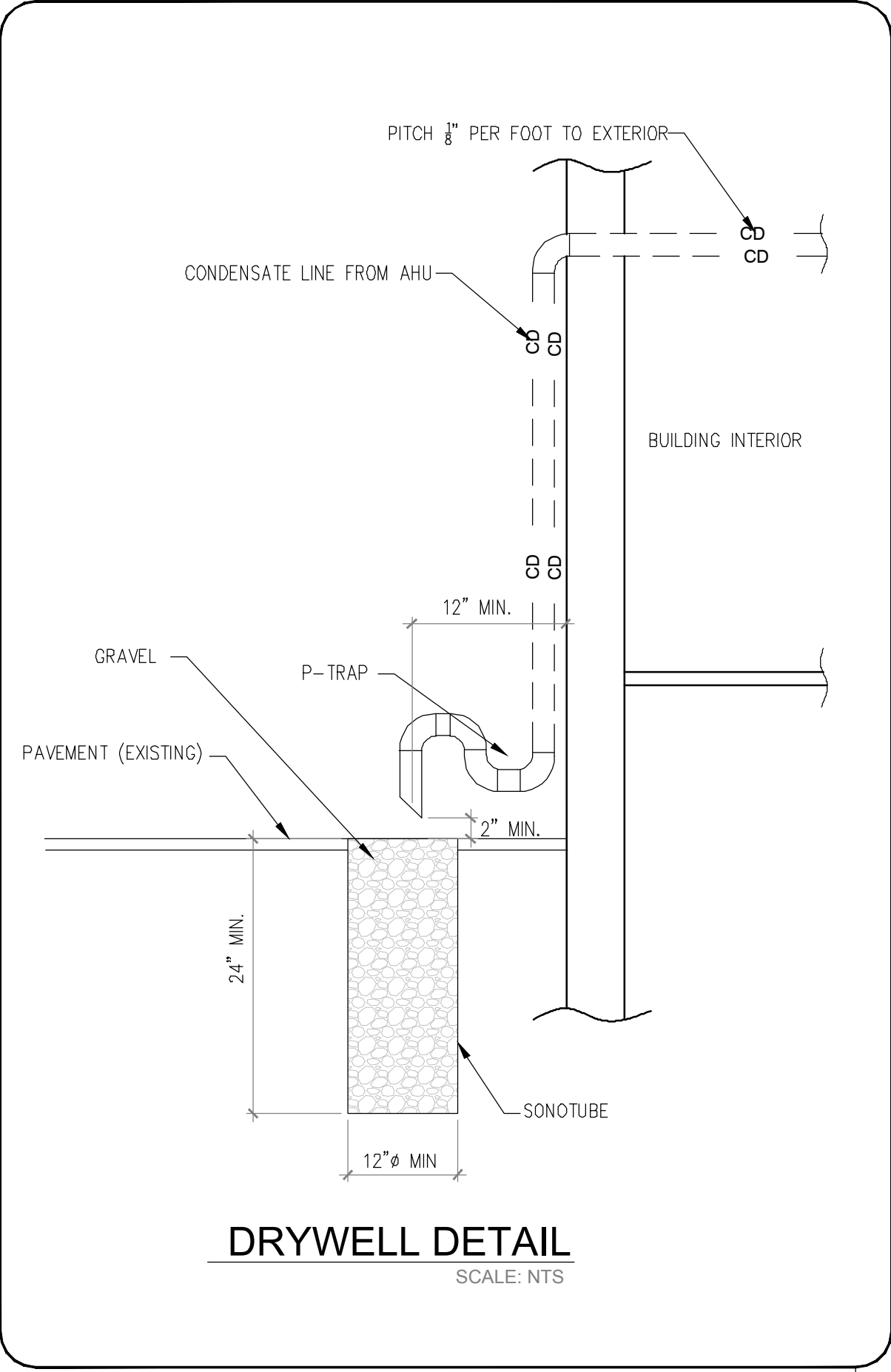
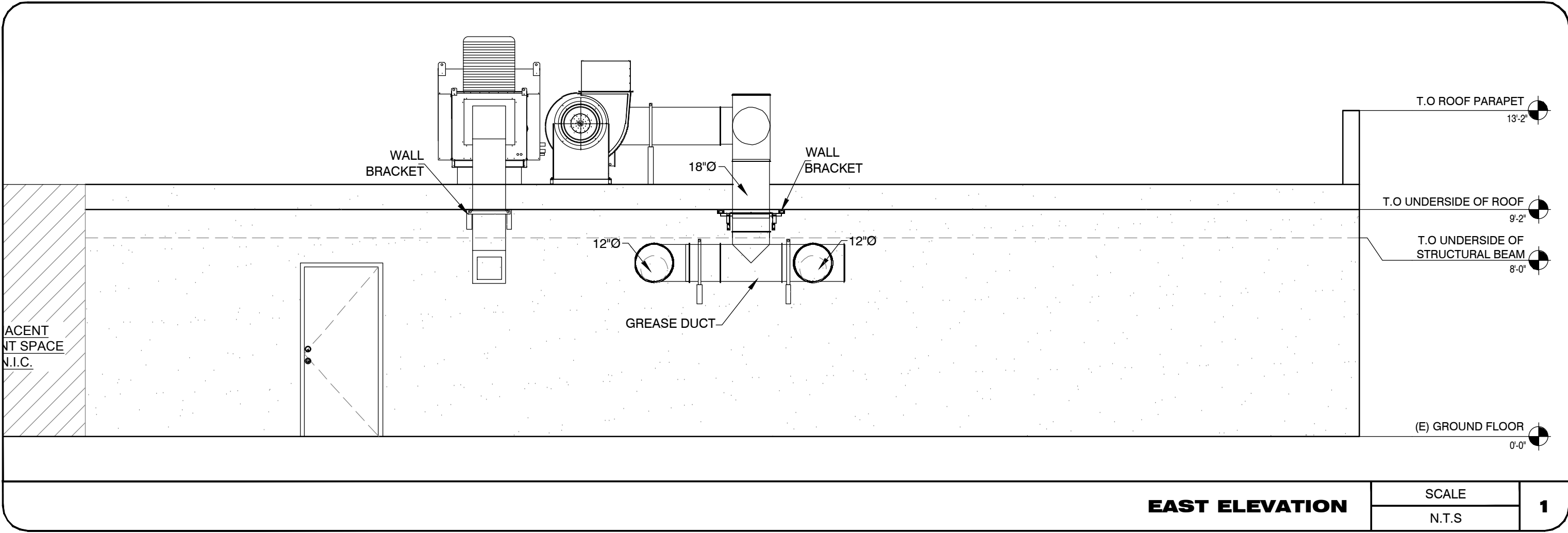
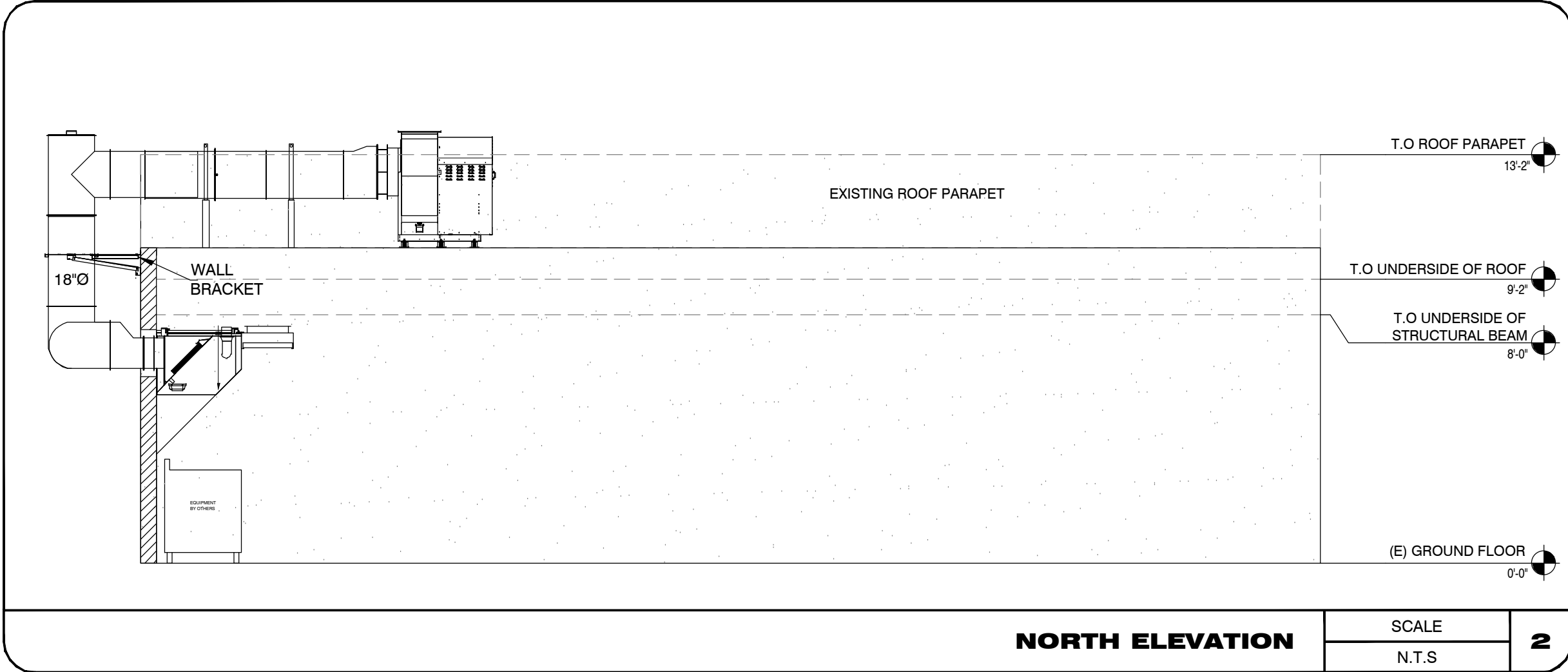
M-1

3330 N.E. 34th Street
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PROJECT



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PROJECT

BUTCHER AND BARREL LLC

3580 NE 12TH AVE.
OAKLAND PARK, FL 33334

REVISIONS DATES:
09.19.19 CITY SET

PROFESSIONAL SEAL

ALAN J KARP PER32612
REGISTERED ENGINEER
STATE OF FLORIDA

ISSUE DATE: 09.17.19
PROJECT #: 310.1295
DRAWN BY: LD
CHECKED BY: AK

MECHANICAL DETAILS

M-2

1. ELECTRICAL CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET.
2. CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT, NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING, OR PROCEEDING WITH WORK.
3. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL OWNER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
4. ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. EXISTING CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID.
5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.
6. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION FOR ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
7. ALL ELECTRICAL NOT BEING REUSED MUST BE REMOVED IN ITS ENTIRETY.
8. ALL CONDUIT IN OR UNDERGROUND OR IN CONCRETE MUST BE RIGID GALVANIZED STEEL.
9. CIRCUIT BREAKERS AND PANELS TO BE BOLT ON TYPE
10. ALL EQUIPMENT SHALL BE APPROVED BY UI OR OTHER NATIONALLY RECOGNIZED TESTING COMPANY.
11. ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY NEC 250.146
12. SUBMIT SERVICE ENTRANCE EQUIPMENT FOR SEPARATE APPROVAL.
13. ALL LOW VOLTAGE MUST BE IN CONDUIT TO ABOVE THE DROP CEILING. BRIDAL RINGS OR "J" HOOKS REQUIRED.
14. THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS SHALL BE IN EFFECT.
15. SEPARATE PERMITS ARE REQUIRED FOR ALL LOW VOLTAGE SUCH AS TELEPHONE, DATA, THERMOSTAT, MUSIC, ALARMS ETC.
16. SEPARATE PERMIT REQUIRED FOR SIGNAGE.
17. PRIOR TO ANY CONSTRUCTION WORK BEGINNING AN ON-SITE MEETING WITH GENERAL CONTRACTORS IS REQUIRED.
18. ELECTRICIAN MUST BE ON SITE FOR ALL INSPECTIONS.
19. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. EXCLUDING CONTROL WIRING. ALL CONDUCTORS SHALL BE COPPER AND UNLESS OTHERWISE NOTED THEN ALUMINUM.
20. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, PLASTIC AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
21. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
22. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE 2016 EDITION OF THE N.E.C. OR LOCAL CODES.
23. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
24. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
25. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
26. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF CERTIFICATE OF OCCUPANCY IS ISSUED. WARRANTY SHALL BE PROVIDED IN WRITING.
27. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
28. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
29. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.
30. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
31. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
32. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE CIRCUIT BREAKERS.
33. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULP WIRES, BOXES, COVER PLATES, DEVICES, ETC. FOR ALL OUTLETS AS INDICATED.

34. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF N.E.C. NEUMA, AND IEC.
35. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.
36. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND FIRE CAULKING REQUIRED OF HIS WORK.
37. ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS W/TYPE WRITTEN DIRECTORIES.
38. ALL NOTED AND COMMUNICATIONS OUTLETS TO BE AT 16" A.F.F. UNLESS NOTED OTHERWISE, AND VERTICALLY MOUNTED.
39. ALL LIGHT SWITCHES TO BE AT 42" A.F.F.
40. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL ELECTRICAL WIRING FOR HVAC SYSTEM INCLUDING CONTROLS, THERMOSTATS, POWER, ETC. SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
41. BREAKER AND PANEL, -ALL CURRENT CARRYING BUSSES SHALL BE COPPER. ALL GROUND BUS BARS SHALL BE COPPER. PANEL BOARD ENCLOSURES SHALL BE FURNISHED WITHOUT PRE-PUNCTURED CONCENTRIC HOLES. A.I.C. RATINGS SHALL BE AS INDICATED ON PANEL BOARD SCHEDULES.
42. DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE.
43. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, WITH OVERLOAD RELAYS IN EACH HOT LEG.
44. THE TERM "PROVIDE" SHALL BE IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS INDICATES THE CONTRACT SHALL FURNISH AND INSTALL.
45. CONTRACTOR SHALL CONFORM WITH ANY AND ALL REQUIREMENTS SUCH AS: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, TRANSFORMER SIZE, SCHEDULED DOWN TIME FOR OWNERS CONFIRMATION, ETC. ANY CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
46. VOLTAGE DROP FOR ALL BRANCH CONDUCTORS SHALL NOT EXCEED 3%. WHERE VOLTAGE DROP EXCEEDS 3%, CONTRACTOR SHALL INCREASE SIZE OF CONDUCTORS.
47. CONTRACTOR SHALL PROVIDE GFI TYPE BREAKER FOR ALL EXTERIOR 120V CIRCUITS OR GFI PROTECTION - FOR THE WHOLE CIRCUIT.
48. GAS PIPING SHALL BE BONDED.
49. ELECTRICAL CONTRACTOR SHALL COORDINATE SERVICE ENTRY WITH SERVICE PROVIDER PRIOR TO DETERMINING EXACT LOCATION OF THE METER BOX IN ORDER TO AVOID DISCREPANCIES BETWEEN DRAWINGS AND JOB CONDITIONS.
50. ALL OUTDOOR EQUIPMENT SHALL BE WEATHERPROOF.
51. CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE.
52. OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER.
53. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND FIRE CAULKING REQUIRED OF HIS WORK.
54. ABSOLUTELY NO FLEXIBLE CONDUIT IS PERMITTED IN DEMISING WALLS. FLEXIBLE CONDUIT IS PERMITTED FOR SHORT FINAL CONNECTIONS ONLY (6' OR LESS).
55. EXPOSED CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES, PARALLEL OR IN RIGHT ANGLES TO THE BUILDING STRUCTURE. DO NOT LOOP EXCESS FLEXIBLE CONDUIT IN CEILING SPACE OR WALL CAVITY. NO CONDUIT TO BE SUPPORTED FROM THE ROOF DECK.
56. CABLE TYPES AC AND MN CABLES ARE NOT ACCEPTABLE. TYPE MC CABLE, ELECTRIC METALLIC TUBING (EMT) AND RIGID GALVANIZED CONDUIT ARE PERMITTED.
57. ALL EQUIPMENT, DEVICES AND FIXTURES SHALL BE GROUNDED IN COMPLIANCE WITH NEC AND UL REQUIREMENTS.
58. ALL PANELS TO BE UL LABELED WITH BOLT-ON TYPE CIRCUIT BREAKERS.
59. 7-DAY 24-HOUR TIME CLOCK IS REQUIRED TO CONTROL STOREFRONT ENTRY LIGHTS, SHOW WINDOW LIGHTS, SHOW WINDOW RECEPTACLES AND SIGNAGE/ILLUMINATION. ILLUMINATED STOREFRONT SIGNS SHALL REMAIN ON DURING ALL MAIL BUSINESS HOURS.
60. TENANT IS REQUIRED TO MAKE A FIELD SURVEY OF THE EXISTING ELECTRICAL SERVICE TO ENSURE THAT THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE ELECTRIC SERVICE. ANY/ALL MODIFICATIONS OR UPGRADES NEEDED ARE SUBJECT TO LANDLORD'S PRIOR APPROVAL AND WILL BE COMPLETED BY TENANT/TENANT'S GC AT TENANT'S SOLE EXPENSE.
61. ALL ELECTRICAL PANELS TO BE MOUNTED ON PLYWOOD BACKER BOARD.
62. PANEL PHASE LOADS TO BE BALANCED WITHIN 10%.
63. ELECTRICAL PANELS MAY NOT BE RECESSED IN DEMISING PARTITIONS. SURFACE MOUNT UTILITY ETC. ARE NOT DAMAGED DURING FLOOR CUT. ANY DAMAGE TO BE REPAIRED AT TENANT'S EXPENSE. PRIOR APPROVAL AND COORDINATION WITH PROPERTY MANAGEMENT IS REQUIRED FOR ALL CONCRETE CUTTING.
65. CONFIRM ELECTRICAL METER REQUIREMENTS WITH MALL OPERATIONS.

SYMBOL	DESCRIPTION
	EXHAUST FAN
	COMBINATION EXHAUST FAN/LIGHT (REFER TO MECHANICAL PLANS)
	SPEAKERS @ CEILING
	JUNCTION BOX
	CEILING MOUNTED SMOKE DETECTOR 110V., INTERCONNECTED W/ BATT. BACKUP. SMOKE DETECTOR SHALL COMPLY WITH NFPA 72, AND FBC 905.2.
	BATTERY BACK UP EXIT LIGHT
	BATTERY BACK UP EMERGENCY LIGHT
	WALL SWITCH (SINGLE, DOUBLE,)
	WALL SWITCH (3 WAY, 4 WAY)
	WALL SWITCH (TIMER)
	DIMMER WALL SWITCH
	OCCUPANCY SENSOR WALL SWITCH
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, 46" TO AFF AT KITCHEN, BATHS AND TOPS
	HALF SWITCHED DUPLEX RECEPTACLE
	230 VOLT RECEPTACLE
	QUADRUPLUX RECEPTACLE
	FLOOR MOUNTED. FLUSH DUPLEX RECEPTACLE
	FLOOR MOUNTED. FLUSH QUAD. RECEPTACLE
	ELECTRICAL PANEL
	DISCONNECT SWITCH
	ELECTRIC METER
	TELEVISION OUTLET
	TELEPHONE OUTLET
	TELEPHONE/DATA OUTLET
	DATA OUTLET
	FLOOR MTD. FLUSH TELEPHONE/DATA OUTLET

ABBREVIATIONS: ABOVE FINISH FLOOR= A.F.F.

ABOVE FINISH FLOOR= A.F.F.

BELOW COUNTER= BC

COUNTER TOP LEVEL= C

PUSH BUTTON= PB

GROUND FAULT INTERRUPTER= GF
VERIFY PRIOR TO INSTALL = VH

UNDER CABINET= UC
VAPOR PROOF= VP

	TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLT	No. LAMPS	LAMP TYPE	TOTAL WATTS	MOUNTING
	A	RECESSED LED DOWNLIGHT	DMF LIGHTING OR EQUIVALENT	DRD2M-10-9-35 OR EQUIVALENT	120	1	12.8 WATTS LED	12.8	RECESSED
	B	PENDANT LIGHT	DAC LIGHTING OR EQUIVALENT	D5000-LED8-120-PA OR EQUIVALENT	120	1	8 WATTS LED	8	PENDANT
	C	4' LED WRAP	CREE OR EQUIVALENT	S-WR4-40L-35K-10V OR EQUIVALENT	120	1	36 WATTS LED	36	SURFACE
	D	TRACK LIGHTING HEAD	AMERLUX OR EQUIVALENT	SPEQ-S-A17-15-BT OR EQUIVALENT	120	4	15 WATTS PAR 20	60	TRACK
	X1	EXIT SIGNS	LITHONIA LIGHTING OR EQUIVALENT	EXR-LED-EL-M6 OR EQUIVALENT	120	1	2 WATTS LED	2	UNIVERSAL
	X2	EXIT SIGNS & EMERGENCY LIGHT COMBO	LITHONIA LIGHTING OR EQUIVALENT	EXR-LED-EL-W6 OR EQUIVALENT	120	1	2 WATTS LED	2	UNIVERSAL
	Y3	EMERGENCY LIGHTS	LITHONIA LIGHTING OR EQUIVALENT	EU2 LED M12 OR EQUIVALENT	120	2	1.8 WATTS LED	3.6	WALL
	T	TIMER WALL SWITCH	LEVITON OR EQUIVALENT	6124 OR EQUIVALENT	120				WALL
	OS	OCCUPANCY WALL SWITCH	LEVITON OR EQUIVALENT	ODS10 OR EQUIVALENT	120				WALL
		CEILING OCCUPANCY SENSOR	LEVITON OR EQUIVALENT	O2C10-UDW OR EQUIVALENT	120				CEILING
		PHOTOCELL	LEVITON OR EQUIVALENT	PCC10-W OR EQUIVALENT	120				CEILING
		PHOTOCELL	TELECTRON 3 OR EQUIVALENT	PBS-3 OR EQUIVALENT	120				WALL

REFER TO SHEET A-2 - REFLECTED CEILING PLAN IN ARCHITECTURAL DRAWINGS FOR MORE INFORMATION ON COLORS AND TRIMS REQUIRED

(*) EXISTING FIXTURES ARE ACCEPTABLE. IF THEY NEED TO BE REPLACED, REPLACE W/ EXACT MATCH OR MATCH SCHEDULE

SUBSTITUTIONS TO THE ABOVE FIXTURE SCHEDULE MUST BE SUBMITTED 14 DAYS PRIOR TO BID & REVIEWED BY THE ARCHITECT, ENGINEER & OWNER. SUBSTITUTIONS WILL NOT BE REVIEWED AFTER THIS TIME. SUBMITTAL PACKAGES MUST INCLUDE COLOR, CUT SHEETS, ALL PHOTOMETRICS & FIXTURE SAMPLES FOR ALL DECORATIVE FIXTURES, LANDSCAPE FIXTURES & OUTDOOR FIXTURES. WITHOUT THIS INFORMATION NO REVIEW WILL BE PROVIDED.

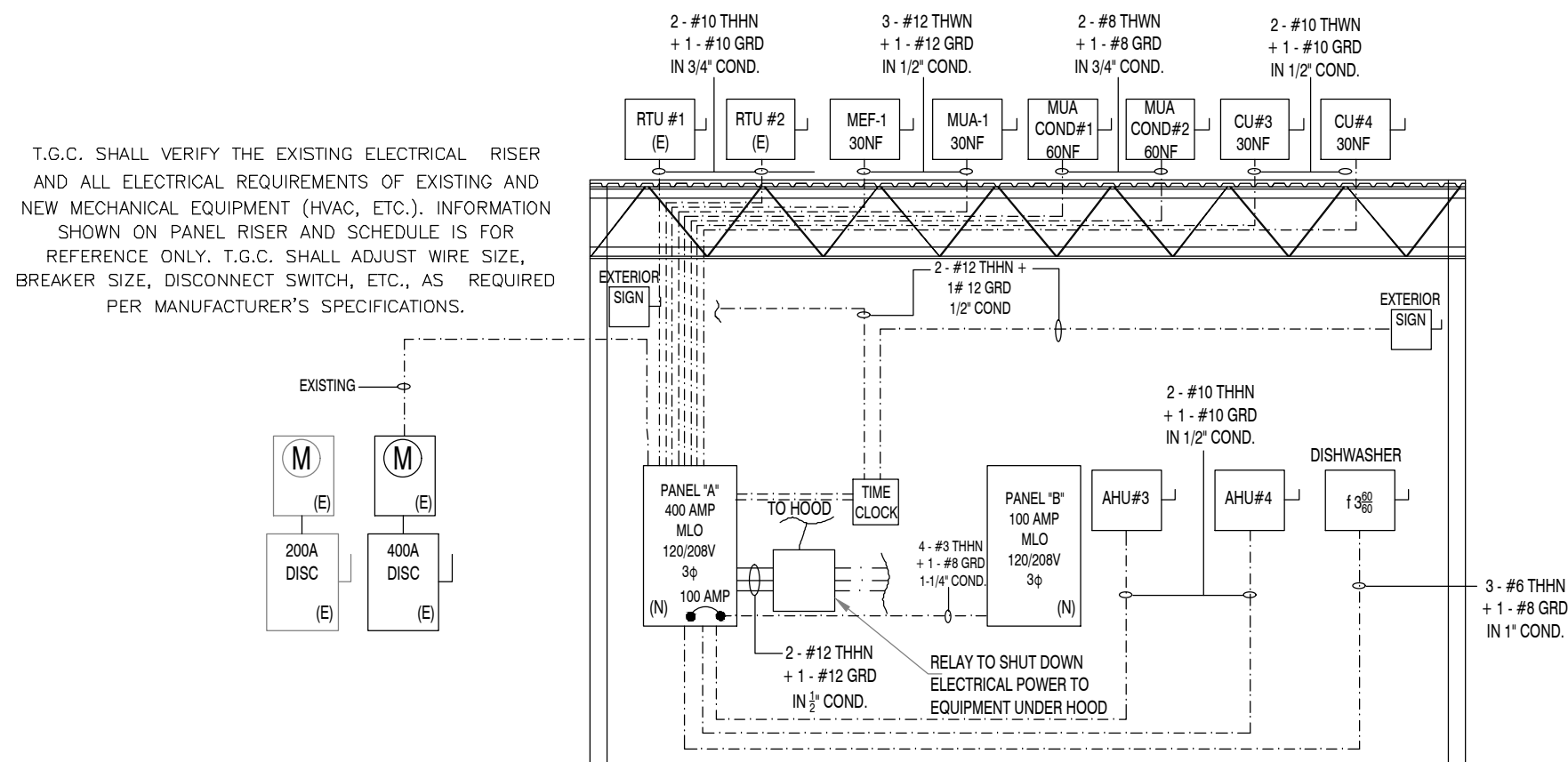
PANEL A (NEW)				MAIN BUS 400 AIR A/D 22000 PANEL C	
PANEL TYPE RUSHMOUNT MLO SERVICE 400 AIRP VOLTAGE 120/208V 3 PHASE					
Circuit	Wire	Cond	Breaker	Service	Service
1	#212 +GRD	1/2"	20	WGR-1	
3				< 1.534 >	WU #1
4				< 876 >	WU #4
5				< 1.534 >	4
7	#212 +GRD	1/2"	20	WGR-1	
8				< 736 >	WU #2
9				< 1.784 >	8
11				< 736 >	
12				< 2.876 >	WU-A CONVEYER #1
13				< 1.784 >	40
14				< 2.876 >	WU-A CONVEYER #2
15	#212 +GRD	1"	60	DS DISHWASHER	40
16				< 5.556 >	WU #3
17				< 2.876 >	WU #4
18				< 5.556 >	20
19	#210 +GRD	1/2"	30	WU #3	20
20				< 2.700 >	WU #4
21				< 1.716 >	20
22	#210 +GRD	1/2"	30	WU #4	20
23				< 2.700 >	20
24				< 1.716 >	20
25				< 2.700 >	20
26				< 400 >	WOOD UGRS
27				< 500 >	FIRE SUPPRESSION SYSTEM
28				< 1.530 >	20
29				< 1.530 >	20
30				< 1.530 >	20
31				< 1.530 >	20
32				< 1.530 >	20
33				< 1.530 >	20
34	#212 +GRD	1/2"	20	STORE FRONT SIGN	20
35				< 1.530 >	20
36	#212 +GRD	1/2"	20	STORE FRONT SIGN	20
37	#212 +GRD	1/2"	20	STORE FRONT SIGN	20
38				< 6.500 >	20
39				< 2.336 >	20
40				< 1.028 >	20
41				< 1.028 >	20
42				< 1.028 >	20
TOTAL VA				25,838 + 25,487 + 23,754 =	75,079 VA
25% CONTINUOUS LOAD					18,759 VA
25% LARGEST MOTOR LOAD					1,500 VA
NON-COIN EQUIPMENT ALLOWANCE					8,000 VA
TOTAL CONNECTED VA					87,338 VA
AMP'S				87,338 / 208 / 1.73 =	285 AMP'S

[illegible]

SCALE	1
N.T.S.	

USE EXISTING 400 AMP, 120/208Y - 3 ϕ ELECTRICAL SERVICE. PROVIDE NEW PANEL , SUB PANEL AND ALL NECESSARY EQUIPMENT AND ALL WIRING AND LIGHTING FOR RESTAURANT BUILDOUT INCLUDING WIRING OF ALL KITCHEN EQUIPMENT AND NEW HVACR EQUIPMENT. COORDINATE WITH G.C. FOR LOW VOLTAGE WIRING.

- A. WHERE LIGHT FIXTURE IS FOLLOWED BY "NL", THIS FIXTURE IS DESIGNATED AS A NIGHT LIGHT AND SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR.
- B. UPPER CASE LETTER NEXT TO LIGHT FIXTURE DENOTES FIXTURE TYPE AND LOWER CASE LETTER DENOTES SWITCHING SCHEME.
- C. ALL EMERGENCY FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR
- D. ALL LIGHTING CONTROLS SHALL BE COMPLIANCE WITH 2016 CA ENERGY CODE SEC. 130.1



SCALE	2
N.T.S.	

BUTCHER AND BARREL LLC
3580 NE 12TH AVE.
OAKLAND PARK, FL 33334

9.19.19 CITY SET

ISSUE DATE: 09.17.19

PROJECT #: 310.1295

DRAWN BY: LD

CHECKED BY: AK

CHECKED BY, AK

DANIEL S. BIRN

PANELS, RI

GENERAL M

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