

ZONING
BUILDING ADDRESS: 713 INDIANA
OWNER: WILL KILTY, 713 INDIANA, LLC OWNERS ADDRESS: 719 SCOTT AVE, STE. 712, WICHITA FALLS, TX 76301 OWNERS PHONE NO.: 323-252-8699 PROPERTY LEGAL DISCRIPTION: LOT 11 BLK. 163 ORGINAL TOWN, WF PROPERTY ZONED: CBD PROPERTY EXISTING USE: REBUILT FROM RETAIL PROPERTY PROPOSED USE: ASSEMBLY / RESTAURANT / BREWERY LANDSCAPING: UNDETERMINED BUFFERING: N/A IRRIGATION: N/A PAVING:N/A FLOOD ZONE: BUILDING DOES NOT LIE WITHIN THE 100 FLOOD PLAIN PARKING: CENTRAL BUSINESS DISTRICT STORM WATER DETENTION: N/A
2015 INTERNATIONAL BUILDING CODE
BUILDING ADDRESS: 713 INDIANA AVE.
CHAPTER 3: USE AND OCCUPANCY CLASSIFICATIONS: BUILDING STATUS (NEW/EXIST): EXISTING BUILDING BUILDING SQUARE FOOTAGE: FIRST FLOOR = 7,250, SECOND FLOOR = 3,522 TOTAL G.S.F. = 10,772 BUILDING CLASSIFIED USES: PROPOSED GROUP "A-2" THIS OCCUPANCY GROUP: WHITE BOX FOR FUTURE OCCUPANCY GROUP "A-2" (RESTAURANT/BREWERY)
CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS : CONSTRUCTION TYPE III-B TABLE 504.3 ALLOWABLE HEIGHT: 75' , BUILDING < 35' HIGH TABLE 504.4 STORIES ALLOWED 3 - BUILDING IS TWO STORY TABLE 506.2 ALLOWABLE AREA THIS OCCUPANCY: 28,500 G.S.F. (TOTAL THIS BUILDING IS 10,772 G.S.F.) SECTION 508 MIXED USE AND OCCUPANCY 508.2 ACCESSORY OCCUPANCIES: N/A 503.3 NON SEPARATED OCCUPANCIES - N/A
AREA MODIFICATIONS DUE TO FRONTAGE INCREASE 506.2 - NOT UTILIZED
CHAPTER 6: TYPES OF CONSTRUCTION: BUILDING CONSTRUCTION TYPE: III-B TABLE 601: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS, FOR TYPE III-B = 0 HR, EXTERIOR BEARING WALL = 2HRS TABLE 602: FIRE RESISTANCE RATING REQUIREMENTS FOR EXT.WALLS BASED UPON SEPARATION DISTANCE: FOR TYPE III-B, X < 5 = 1 HR. FOR GROUP A
CHAPTER 7: FIRE RESISTANCE RATINGS 707.3.9 FIRE BARRIER - SEPARATED OCCUPANCIES - N/A 708.1 FIRE PARTITIONS - CORRIDOR WALLS AS PER 1020.1 - GROUP "A" SPRINKLED BUILDING - 0 HRS. FLOOR TO FLOOR SEPARATION: N/A TENANT SEPARATION: N/A STAIR COMPARTMENT PROTECTION: N/A
CHAPTER 8: INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY FOR GROUP-"A-2" (SPRINKLED BUILDING): EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS - B CORRIDORS: CLASS - B (LOBBY AREAS SHALL NOT BE LESS THAN CLASS B MATERIALS) ROOMS AND ENCLOSED SPACES: CLASS - C
CHAPTER 9: FIRE PROTECTION SYSTEMS: 903.2.1.3 - GROUP "A-2" - REQUIRED (S.F. GREATER THAN 5,000 S.F., OCCUPANT LOAD GREATER THAN 100 AND FIRE AREA IS ON A FLOOR OTHER THAN THE LEVEL OE EXIT DISCHARGE) 906.1 FIRE EXTINGUISHERS AND TABLE 903.6 (1), TABLE 906.3: REQUIRED AND PROVIDED: 2 - GENERAL 2A, 10B, C TYPE "K" TO BE PROVIDED IN KITCHEN BY TENANT. SECTION 907 FIRE ALARM AND DETECTION SYSTEMS: 907.2 WHERE REQUIRED - NOT REQUIRED IN SPRINKLED BUILDINGS 907.2.1 GROUP "B": MANUAL ALARM SYSTEM IS NOT REQUIRED IN GROUP "B" (DOES NOT MEET THRESHOLD STATED) 907.2.11 SINGLE - AND MULTIPLE - STATION SMOKE ALARMS NOT REQUIRED BUT WILL BE PROVIDED THROUGH OUT MEETING UL217
CHAPTER 10 - MEANS OF EGRESS (FROM OCCUPANCY TABLE 1004.1.1): SEE TABULATION ON SHEET NO. 12 SECTION 1004 OCCUPANT LOAD 1004.1 DESIGN OCCUPANT LOAD. SECTION 1004.1.2 DINING AREAS FIRST FLOOR DINING AREA = 207 SECOND FLOOR DINING AREA = 166 TOTAL OCCUPANCY = 273 1004.1 TOTAL CALCULATED OCCUPANCY LOAD FOR DETERMINING MEANS OF EGRESS PURPOSES = 273 PERSONS BY CALCULATION ****ACTUAL OCCUPANCY TO BE DETERMINED BY TENANT FINISH OUT
SECTION 1005 - MEANS OF EGRESS SIZING: SECTION 1005.3.2 - OTHER EGRESS COMPONENTS: 273 PERSONS x .20 in = 54.6 in. (144 IN PROVIDED x 50% LOSS = 72 IN.) TABLE 1006.2.1 NUMBER OF EXITS REQUIRED BY OCCUPANT LOAD TABLE 1006.3.1: 2 NUMBER PROVIDED: 3 SECTION 1007 - EXIT AND EXIT ACCESS DOORWAY CONFIGURATION: DOORS MEET REQUIRED SEPARATION (> THAN 1/2 DIAGONAL) SECTION 1008 - MEANS OF EGRESS ILLUMINATION: REQUIRED AND PROVIDED W/ 90 MIN. BATTERY BACKUP SECTION 1009 - ACCESSIBLE MEANS OF EGRESS: COMPLIANCE W/ ADAG SECTION 1010 - DOORS, GATES AND TURNSTILES. SECTION 1013 EXIT SIGNS: REQUIRED AND PROVIDED (LIGHTED W/ 90 MIN. BATTERY BACKUP) MORE MAY BE ADDED BY UNDER TENANT FINISH OUT TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE: GROUP "A" = 250' (ALLOWED IN SPRINKLERED SPACES) 72' THIS SPACE TABLE 1020.1 CORRIDOR EGRESS PROTECTION = N/R (0 HR WHEN SPRINKLED BUILDING)
CHAPTER 11: ACCESSABILITY IN COMPLIANCE WITH: TAS, ICC AND ADAG
CHAPTER 29: PLUMBING SYSTEMS PLUMBING FIXTURES REQUIRED (TABLE 2902.1): TOILETS - A-2: 1 PER 40 MALE, 1 PER 40 PER FEMALE 273/2 = 137 / 40 = 3 TOILETS EACH LAVATORIES - 1 PER 200 MALE/FEMALE 273 / 2 = 137 / 100 = 1.3 1 DRINKING FOUNTAIN: N/R IN RESTAURANTS SERVING WATER 1 SERVICE SINK PLUMBING FIXTURES PROVIDED: FIRST FLOOR: MENS TOILET - 2 TOILETS (1H.C.) + 1 URINAL WOMENS TOILET 3 TOILETS (1 H.C.) SECOND FLOOR: MENS TOILET- 1 H.C. TOILET + 1 URINAL WOMENS TOILET - 2 TOILETS (1 H.C.) 2 LAVATORIES EA. MALE/FEMALE PER FLOOR (TOTAL 8 LAVATORIES) 2 SERVICE SINK (1 PER FLOOR)
HANDICAP ACCESSABILITY: ADAG AND ICC BUILDING CODE: 2015 I- CODES "INTERNATIONAL BUILDING CODE"" (W/AMENDMENTS) AND 2005 NEC (W/AMENDMENTS) LIFE SAFETY CODE: NFPA 101, 2012 & NFPA 70, 2008

A White Box

for

713 Indiana, LLC

713 Indiana

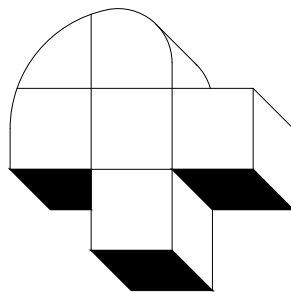
Wichita Falls, TX

SCOPE OF WORK:

THIS PERMIT APPLICATION IS FOR A "WHITE BOX" PREPARATION BY THE OWNER/LANDLORD FOR THE TENANT.

REMAINING ITEMS LIKE THE HVAC SYSTEM, ELECTRICAL (LIGHTING & POWER) KITCHEN & BAR DESIGN WILL BE IN ACCORDANCE WITH THE TENANTS NEEDS.

THE TENANT PERMIT APPLICATION (PLANS) WILL PROVIDE THE REMAINDER OF ITEMS NEEDED FOR THE C.O. FOR ITS OCCUPANCY



Phillip B. Townsend, R.A.

Architect, Interior Design, Programmer,
Planner, Building Code Consultant

4613 Misty Valley West
Wichita Falls, Texas 76310

940-642-3590

SHEET INDEX

No. Title

- 1

Cover Sheet - Drawing Index - Code Review
- 2

First Floor - Demo
- 3

Concrete Demo/Repair @ Entry - Area "A"
- 4

1st Floor Plan - Dimension - Area "A"
- 5

1st Floor Plan - Dimension - Area "B"
- 6

2nd Floor Plan - Dimension - Area "A"
- 7

1st Floor Plan - Life Safety
- 8

2nd Floor Plan - Life Safety
- 9

Interior Elevations
- 10

2nd Floor Framing Plan
- 11

Exterior Elevation - Front (West) Exterior
- 12

West Elevation @ Middle Wall
- 13

West Elevation @ Rear Wall
- 14

Section
- 15

Section
- 16

Section
- 17

1st Floor - Water Distribution - Area "A"
- 18

1st Floor - Sanitary Sewer - Area "A"
- 19

1st Floor - Sanitary Sewer - Area "B"
- 20

2nd Floor - Water Dist. & Sani. Sewer - Area "A"
- 21

1st Floor - HVAC - Area "A"
- 22

1st Floor - HVAC - Area "B"
- 23

2nd Floor - HVAC - Area "A"
- 24

1st Floor - Electrical - Area "A"
- 25

1st Floor - Electrical - Area "A"
- 26

2nd Floor - Electrical - Area "A"
- 27

Electrical Riser & Panel Schedule
- 28

Texas Accessibility 1 of 3
- 29

Texas Accessibility 2 of 3
- 30

Texas Accessibility 3 of 3



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Rom 1:16 1 Cor. 15:1-4 Rom 6:3-6

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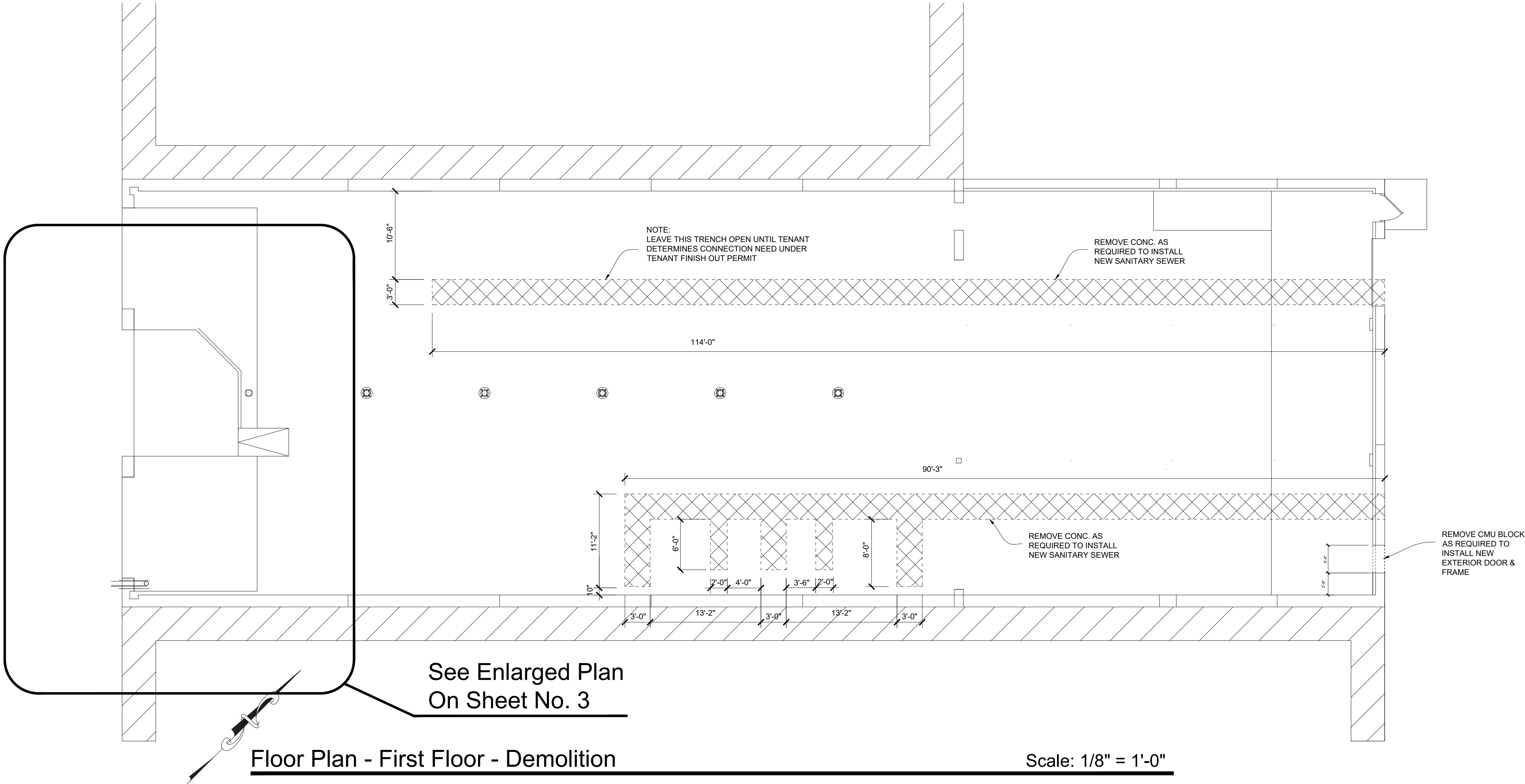
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Dwg. Index &
Code Review

Sheet No.
1 of 30



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940-642-3590
Email: p@vrf.net

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Job No.

Date:
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Sheet Title:
1st Floor
Demolition
Sheet No.
2 of 30

SAW CUT AND REMOVE SLOPED
CONCRETE AS REQUIRED TO
RESTRUCTURE ENTRY AREA

Concrete Demolition @ Entry

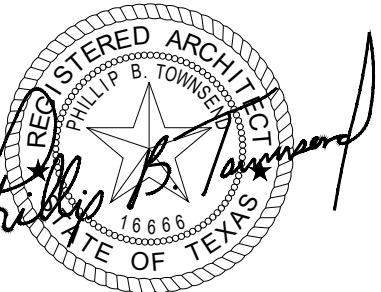
Scale: 14" = 1'-0"

POUR NEW CONC. TO LEVEL OUT WITH
EXISTING FINISH FLOOR DOWELL INTO
EXISTING SLAB W/#3 BARSx12" @ 16" O.C.
REINFORCE CONC. W/ 2 LAYERS OF
6"x6"x10/10 W.W.F. @ 4" O.C. (TROWEL
FINISH)

POUR NEW CONC. TO LEVEL OUT WITH
EXISTING FINISH FLOOR DOWELL INTO
EXISTING SLAB W/#3 BARSx12" @ 16" O.C.
REINFORCE CONC. W/ 2 LAYERS OF
6"x6"x10/10 W.W.F. @ 4" O.C. (TROWEL
FINISH)

Concrete Repair @ Entry

Scale: 14" = 1'-0"



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Conc. Repair
@ Entry

Sheet No.
3 of 30




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1:16 1 Cor. 15:1-4 Rom 6:3-6

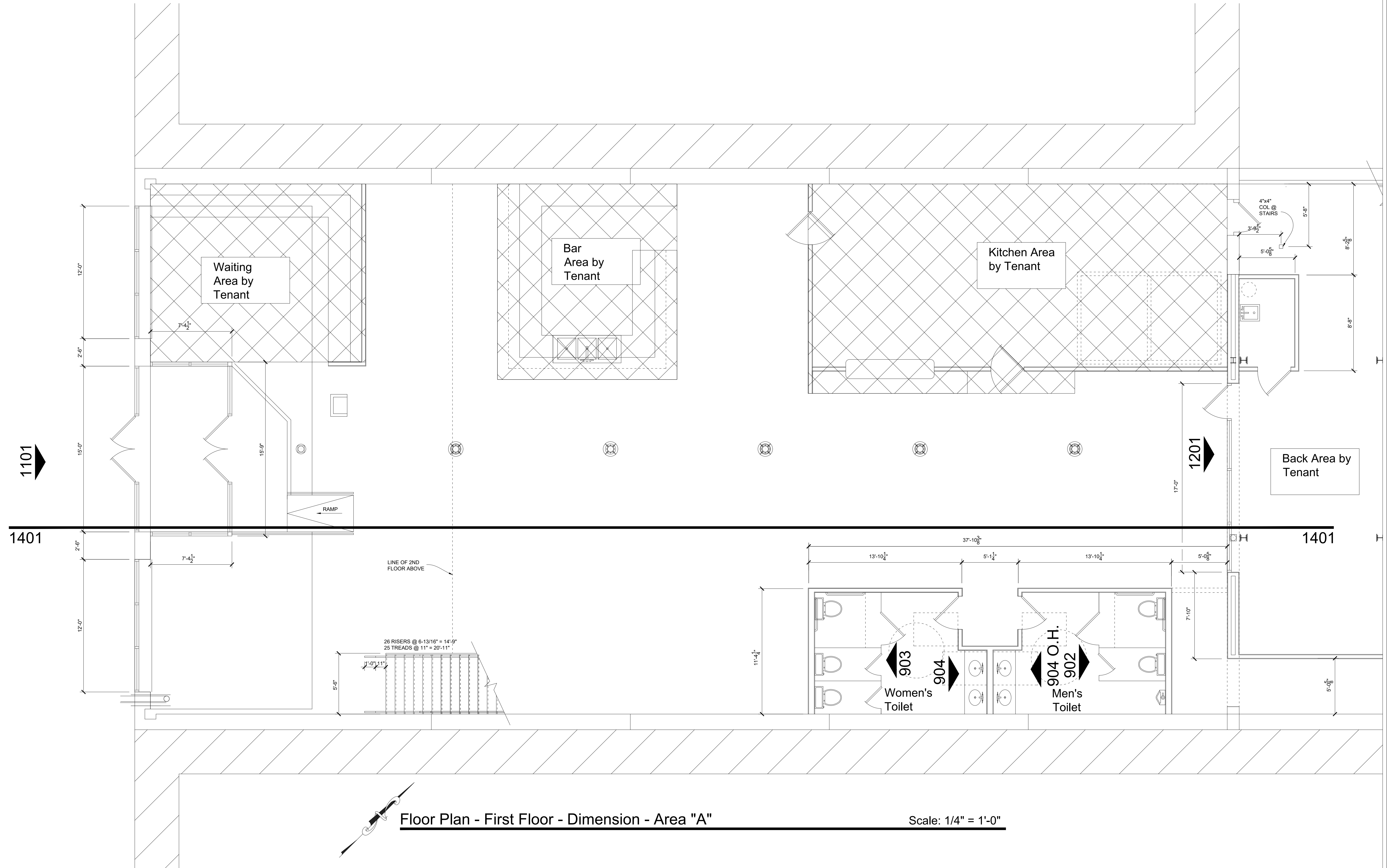
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Planner, Building Code Consultant
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Wichita Falls, Texas 76310
940-642-3590
Email: pt@wfb.net

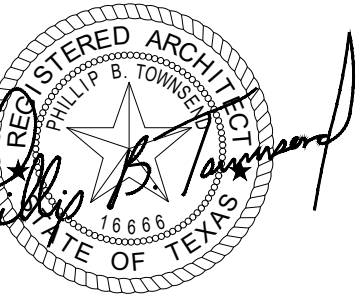
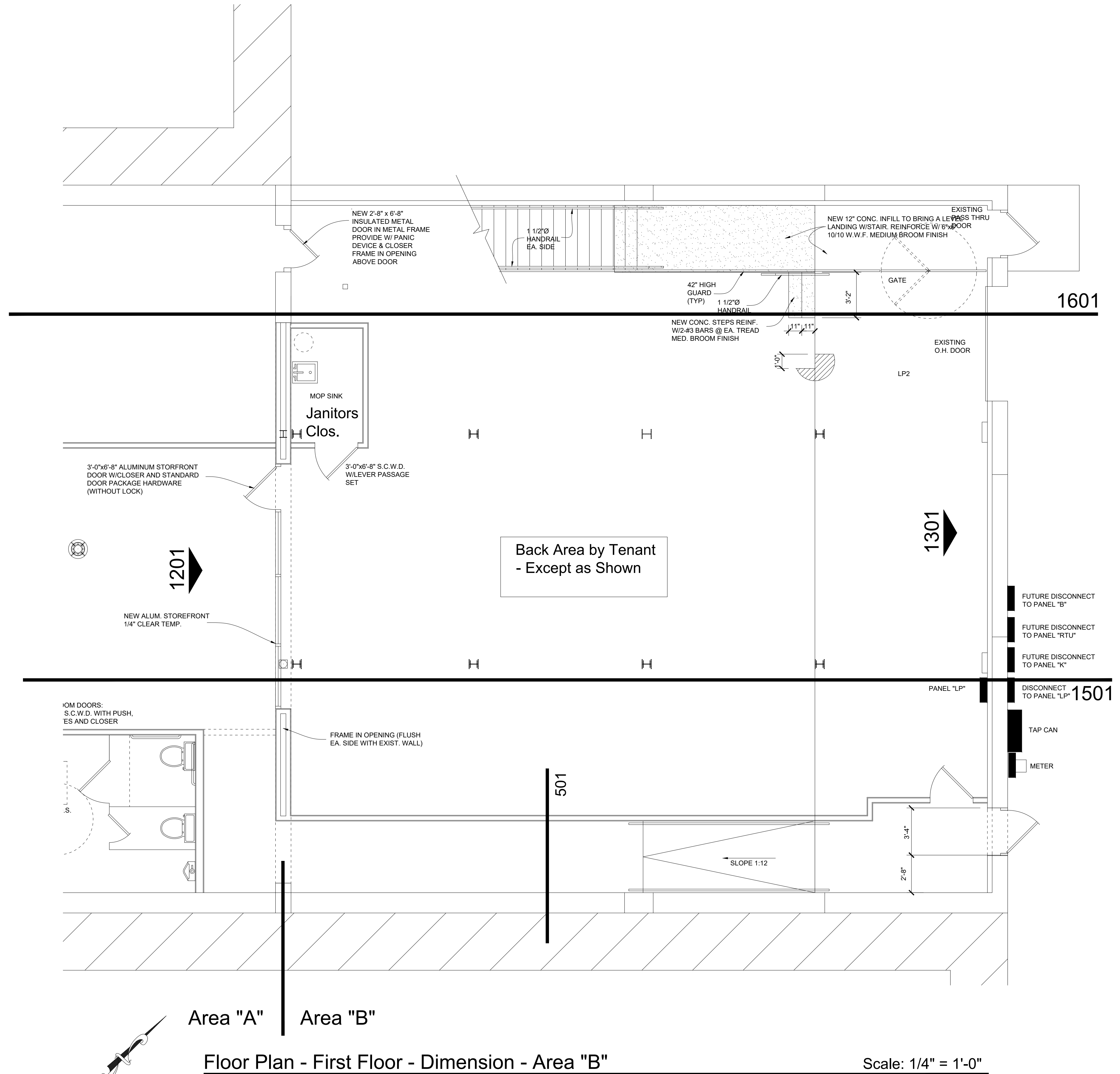
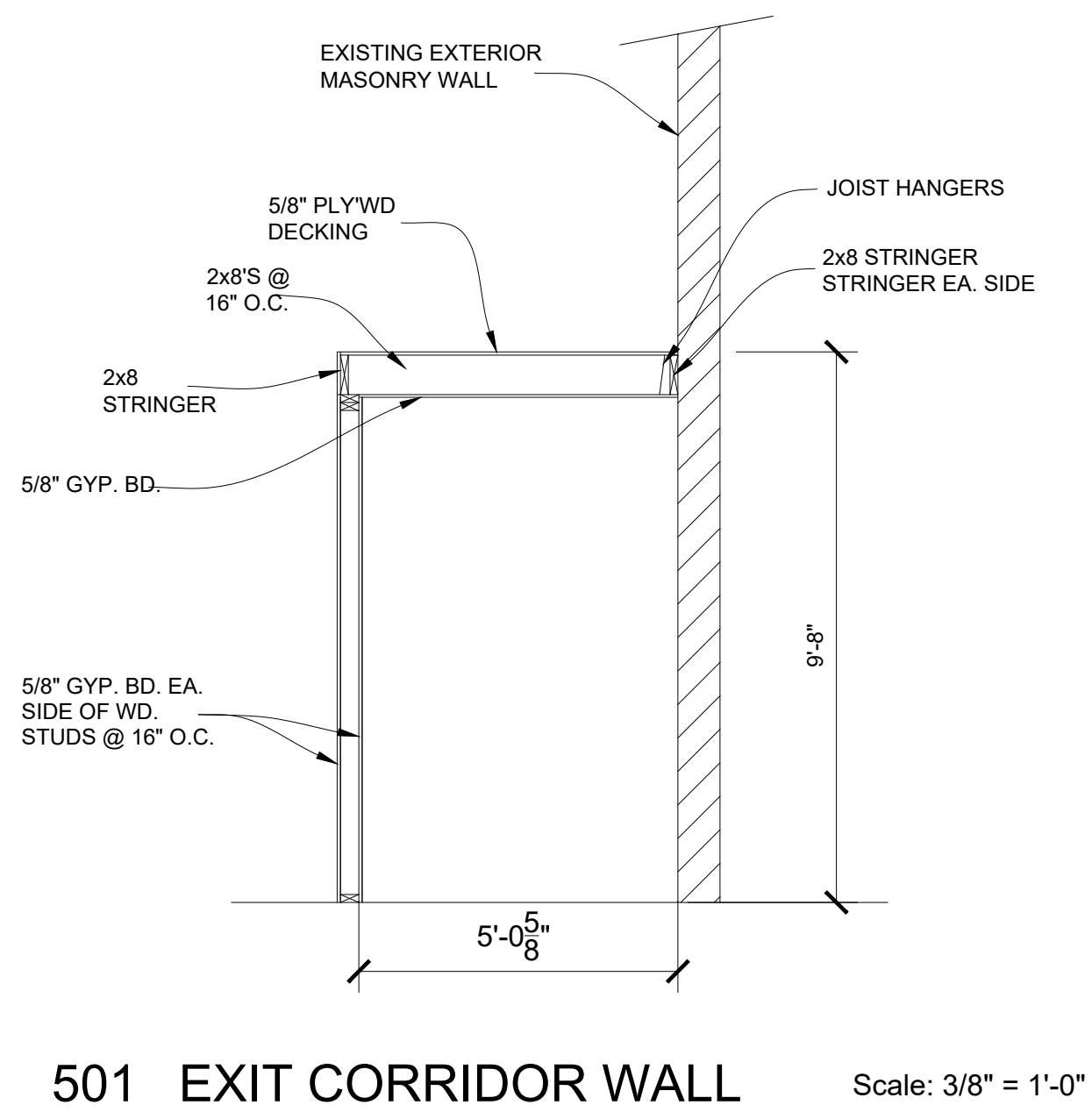
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1st Flr. Dim
Area "A"

Sheet No.
4 of 30





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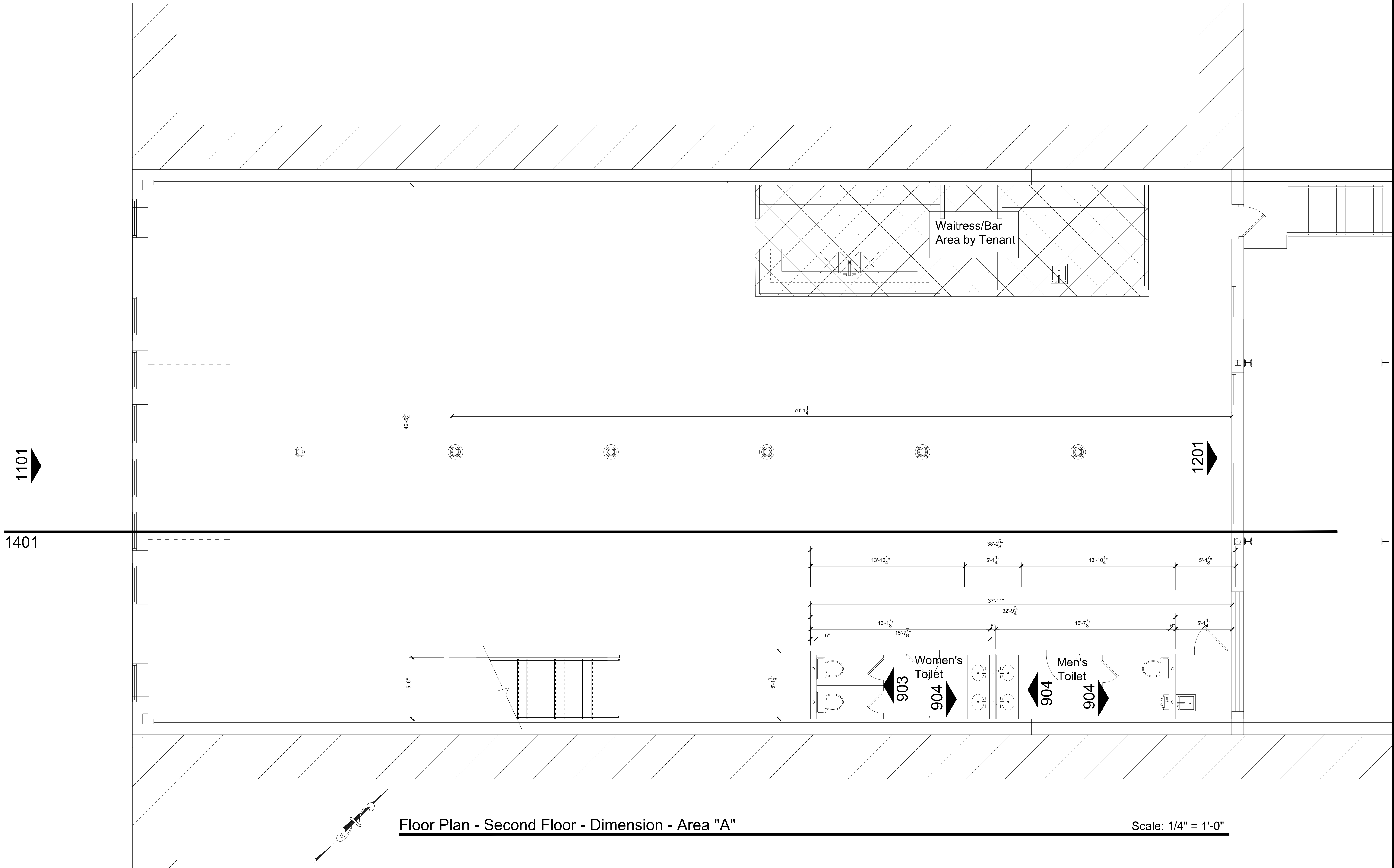
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Architect, Interior Design, Programmer,
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A White Box Renovation
for
713 Indiana, LLC
713 Indiana
Wichita Falls, TX

Job No.

Date:
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Sheet Title:
1st Flr. Dim.
Area "B"
Sheet No.
5 of 30



Floor Plan - Second Floor - Dimension - Area "A"

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

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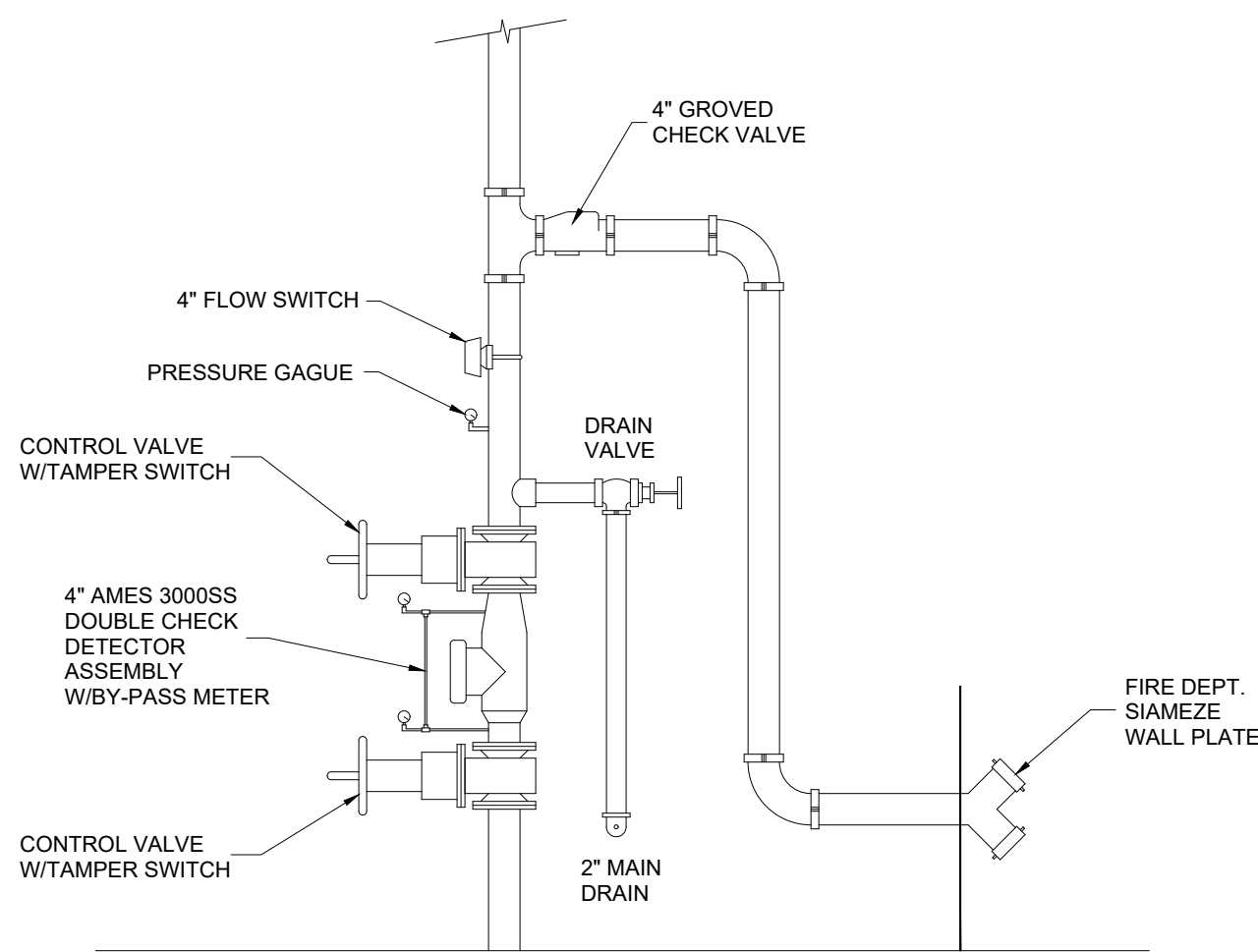
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2nd Flr. Dim
Area "A"

Sheet No.
6 of 30



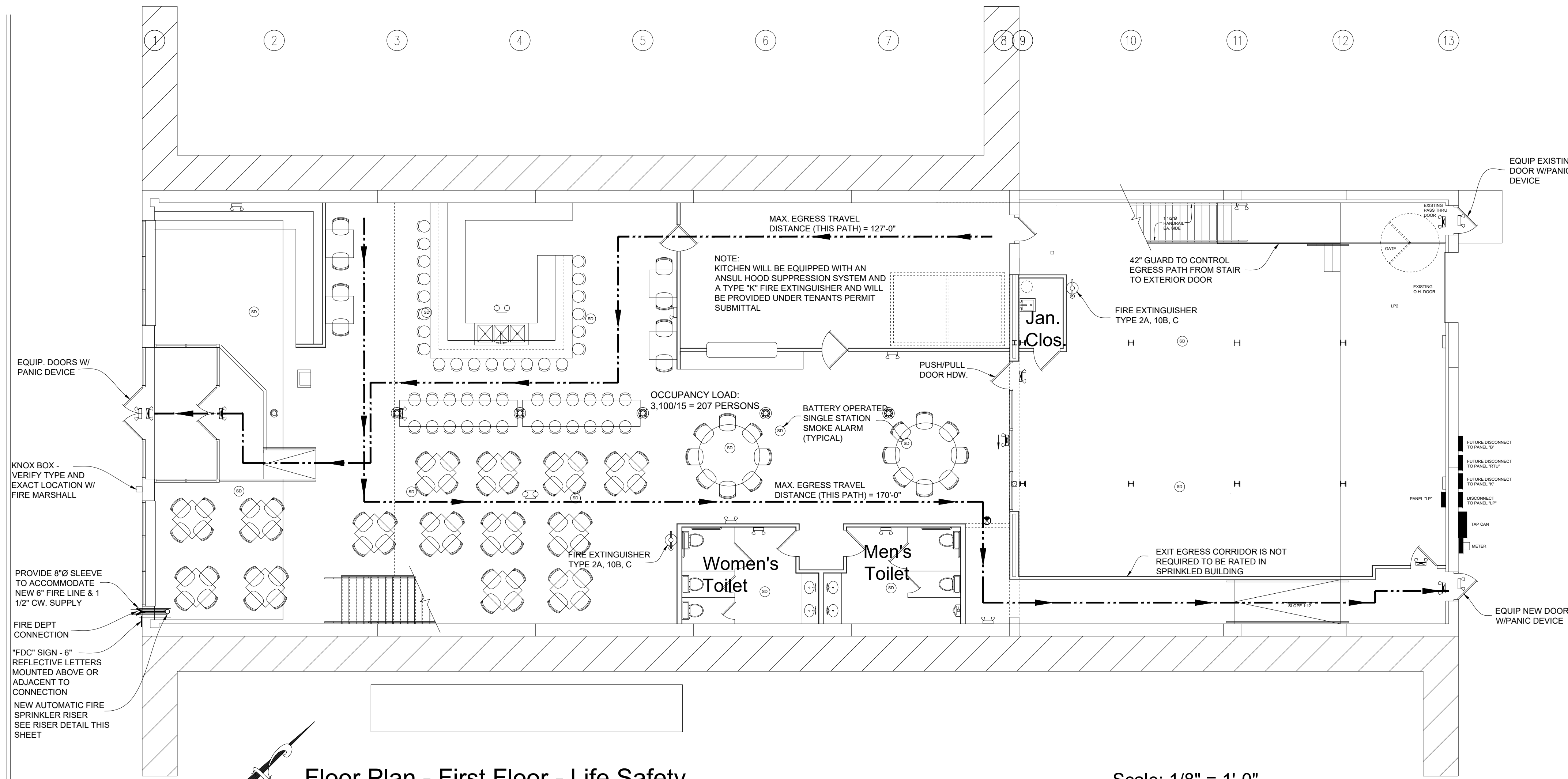
SPRINKLER RISER

FIRE PROTECTION SYSTEM

BUILDING TO BE FULLY PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM. DESIGN AND INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE PERFORMED BY A LICENSED SPRINKLER CONTRACTOR AND SHALL MEET THE REQUIREMENTS OF NFPA 13. DETAILS MUST BE PROVIDED INDICATING THE EXTENT OF COVERAGE, TYPE OF SYSTEM TO BE EMPLOYED AND THE AGENT TO BE USED. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL. DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO PIPE MATERIAL, SIZES, LENGTHS, WATER SUPPLY SPECIFICATIONS AND HYDRAULIC CALCULATIONS, ALARMS AND SYSTEM SUPERVISION INFORMATION. THE AUTOMATIC FIRE SUPPRESSION SYSTEM FOR THIS BUILDING SHALL BE CONNECTED TO AN APPROVED CENTRAL STATION, APPROVED PROPRIETARY SYSTEM, REMOTE-STATION SYSTEM OR SUPERVISORY SERVICE IN ACCORDANCE WITH NFPA 72. ALL HANGERS TO BE U.L. LISTED AND F.M. APPROVED. HANGER SPACING TO BE IN COMPLIANCE WITH NFPA #13. UPRIGHT SPRINKLER DEFLECTORS ARE NOT TO EXCEED 12" BELOW DECK LINE. PRIOR TO STARTING WORK, THIS CONTRACTOR SHALL NOTIFY G.C. IF SPRINKLER HEAD LOCATIONS WILL CONFLICT W/ ELECTRICAL, HVAC OR PLUMBING WORK.

LEGEND

- WALL MOUNTED EMERGENCY EGRESS LIGHT ON 90 BATTERY BACKUP (MTG. HT. MIN. 7'-0" +/- A.F.F.) EXTERIOR LIGHTS SHALL BE WATER PROOF
- WALL MOUNTED EXIT LIGHT W/ EMERG. EGRESS LIGHT ON 90 BATTERY BACKUP (DIRECTIONAL ARROW WHERE INDICATED) MTD. HT. MIN. 7'-0" +/- A.F.F.)
- SURFACE MTD. EGRESS LIGHT ON 90 BATTERY BACKUP
- SURFACE MTD. EXIT LIGHT ON 90 BATTERY BACKUP
- BATTERY OPERATED, SINGLE STATION SMOKE ALARM
- EACH AIR HANDLER UNIT (RTU) SHALL BE EQUIPPED WITH A SMOKE DETECTOR IN THE SUPPLY AIR DUCT THAT WILL SHUT DOWN THE UNIT UPON DETECTION OF SMOKE. NOTE: THIS SHALL BE PROVIDED AND INCORPORATED UNDER TENANT FINISH OUT
- FIRE EXTINGUISHERS - STANDARD - TYPE 2A, 10B, C (MAX DISTANCE 75') KITCHEN - TYPE "K" (TO BE PROVIDED UNDER TENANT FINISH OUT)



Floor Plan - First Floor - Life Safety

This Floor 7,250 G.S.F.

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



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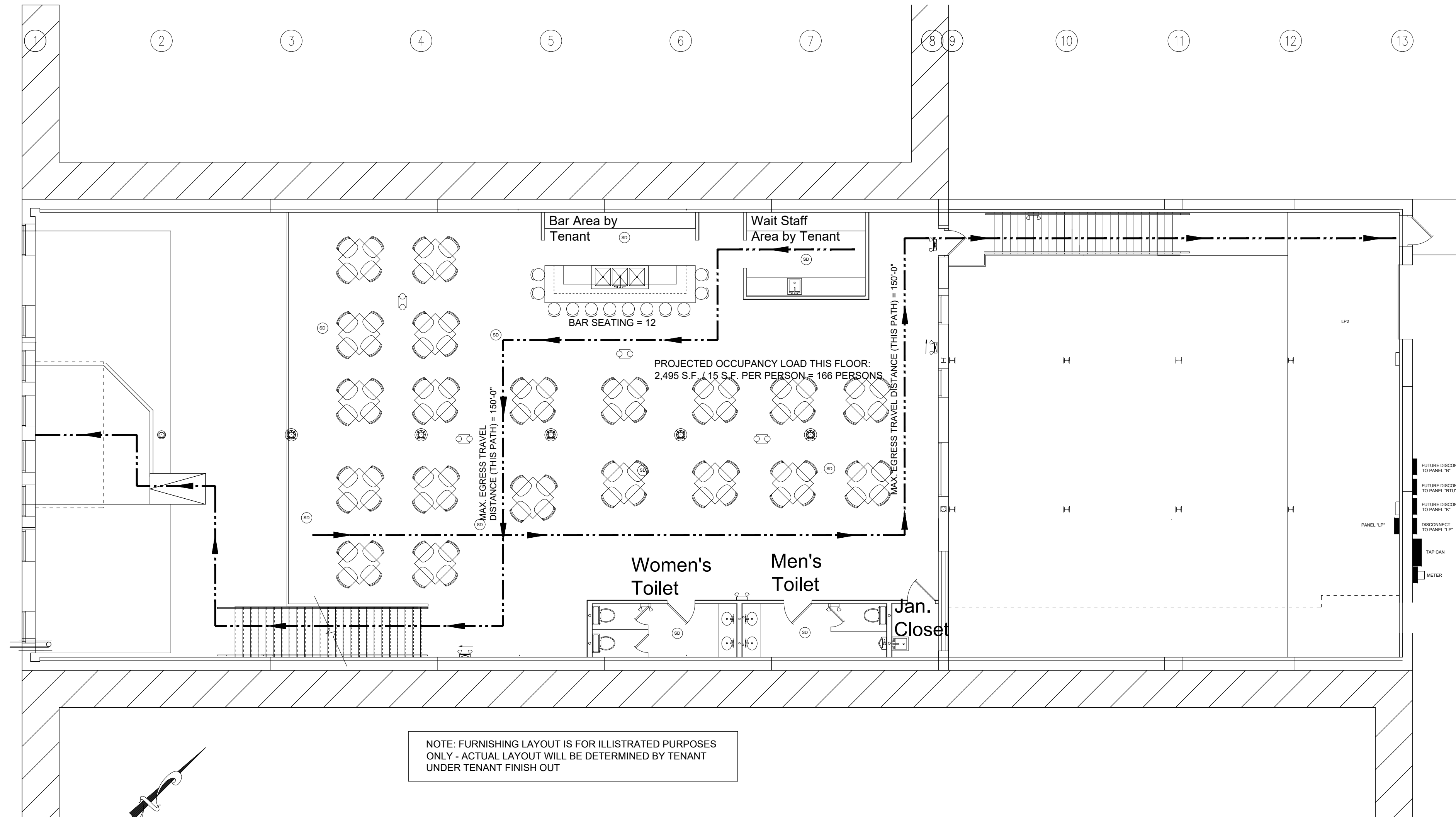
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Sheet Title:
1st Floor
Life Safety
Sheet No.
7 of 30

LEGEND

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- SURFACE MTD. EGRESS LIGHT ON 90 BATTERY BACKUP
- SURFACE MTD. EXIT LIGHT ON 90 BATTERY BACKUP
- BATTERY OPERATED, SINGLE STATION SMOKE ALARM
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NOTE: THIS SHALL BE PROVIDE AND INCORPORATED UNDER TENANT FINISH OUT
- FIRE EXTINGUISHERS - STANDARD - TYPE 2A, 10B, C (MAX DISTANCE 75')
KITCHEN - TYPE "K" (TO BE PROVIDED UNDER TENANT FINISH OUT)



Floor Plan - Second Floor - Life Safety
This Floor: 3,522 G.S.F.

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



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Matthew 7.7

Rom 1:16 1 Cor. 15:1-4 Rom 6:3-6

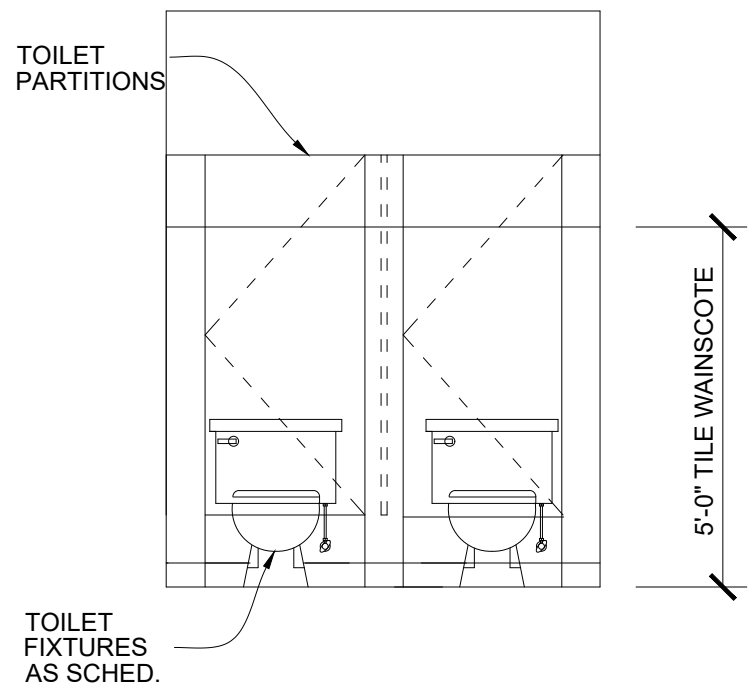
Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: p@vrf.net

A White Box Renovation
for
713 Indiana, LLC
713 Indiana
Wichita Falls, TX

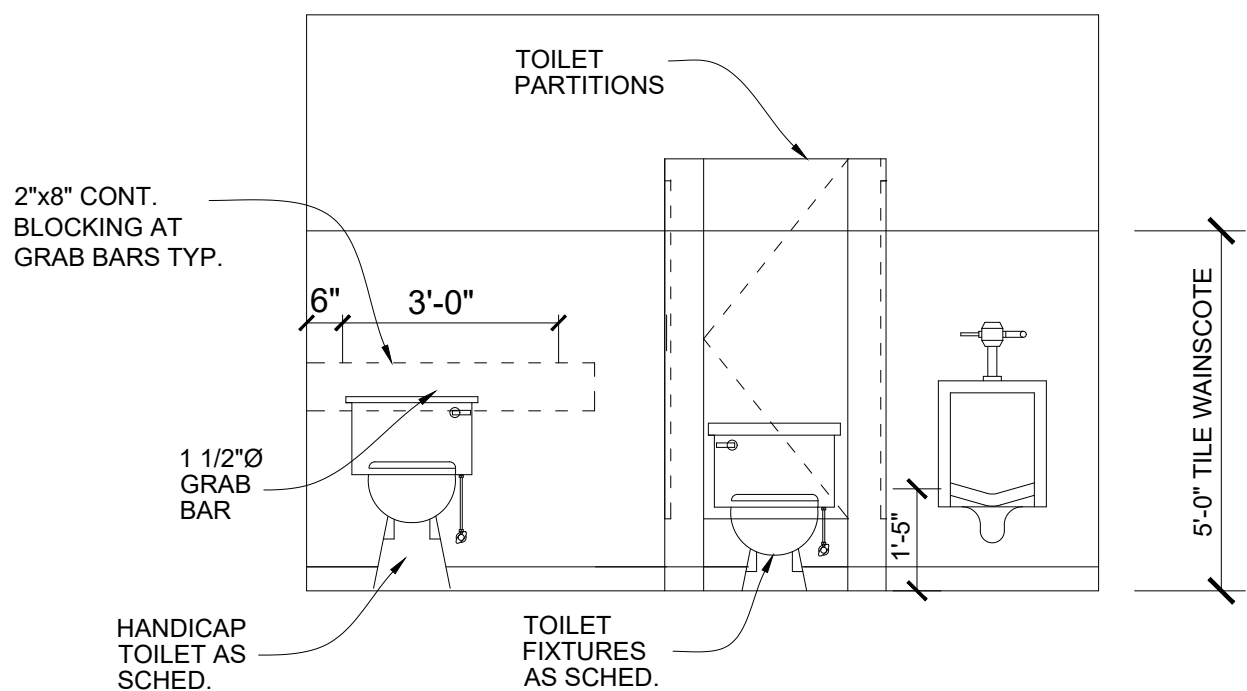
Matthew 7.7

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Date:
July 2022
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PT

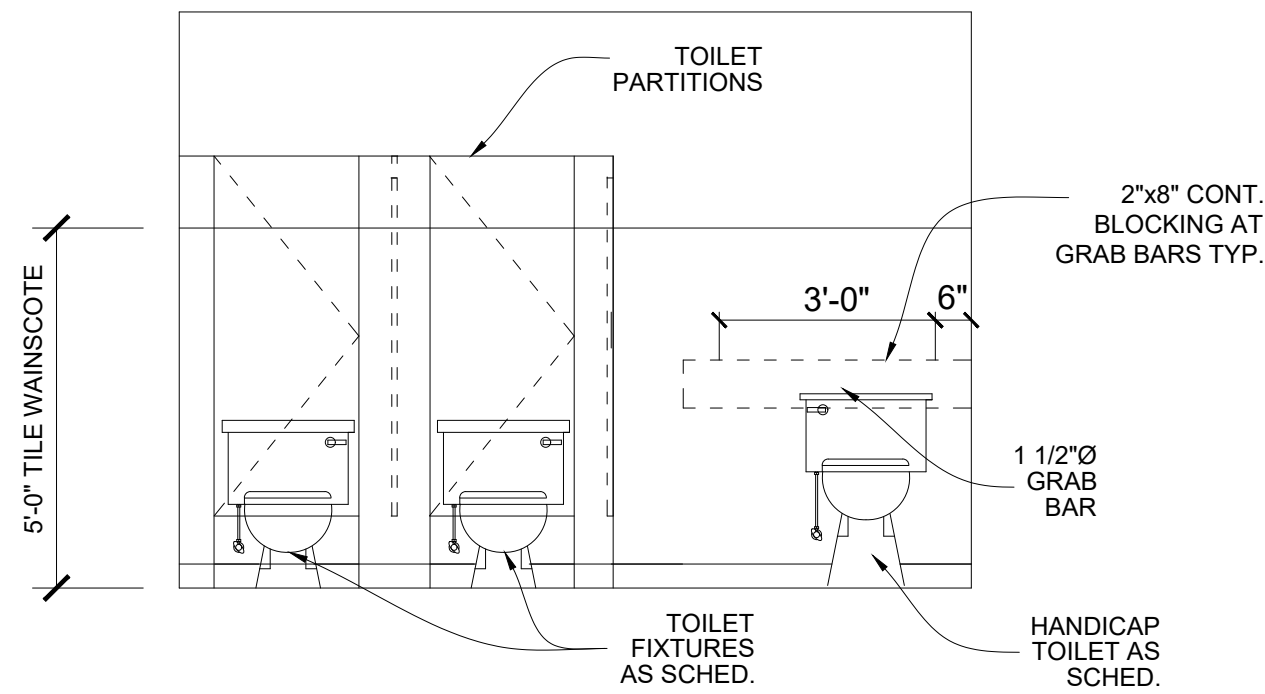
Sheet Title:
2nd Floor
Life Safety
Sheet No.
8 of 30



901



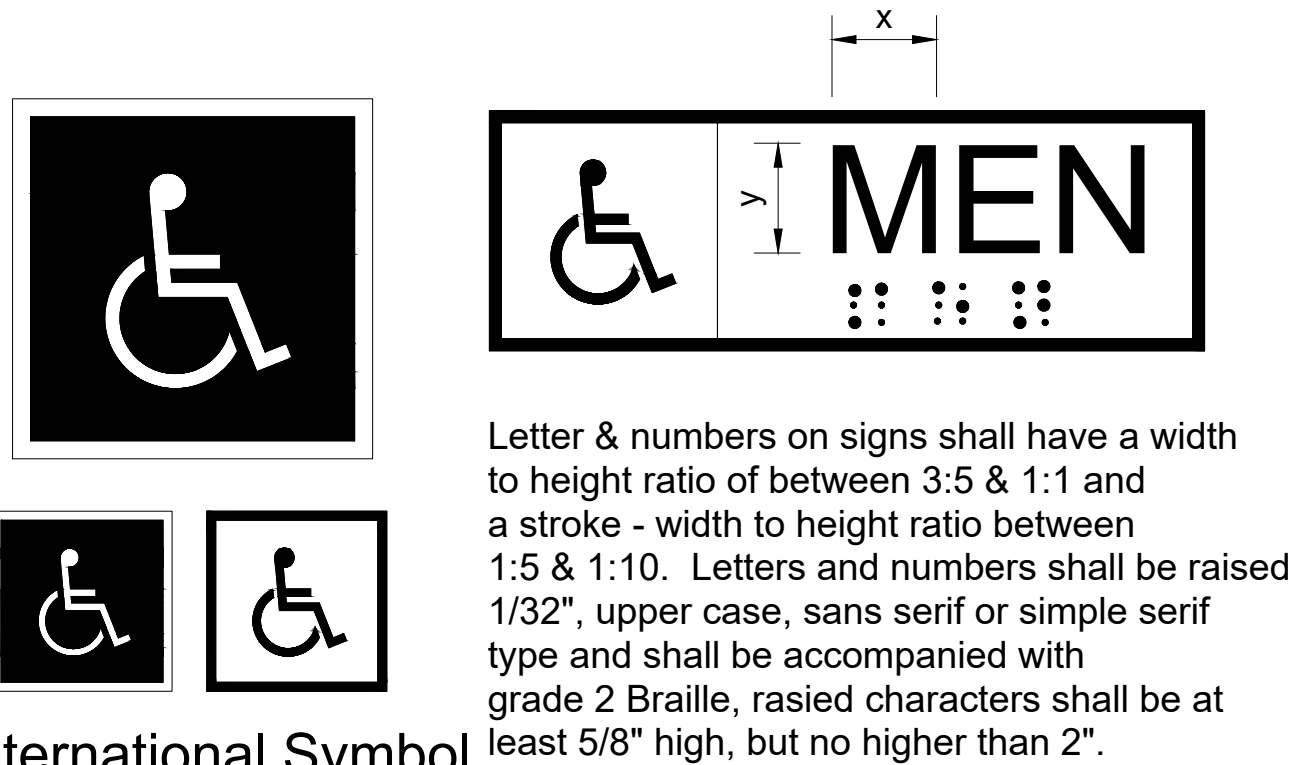
902



903

TAS SECTION 4.30.6 - MOUNTING LOCATION AND HEIGHT (REFERENCE DETAIL 4.30.3)

- A. Where permanent identification is provided for rooms and spaces, signs shall be installed on the wall adjacent to the latch side of the door.
- B. Where there is no wall space to the latch side of the door, including at double-leaf doors, signs shall be placed on the nearest adjacent wall.
- C. Mounting height shall be 60" above the finished floor to the centerline of the sign.
- D. Mounting location for such signage shall be so that a person may approach within 3" of signage without encountering protruding objects or standing within the swing of a door.

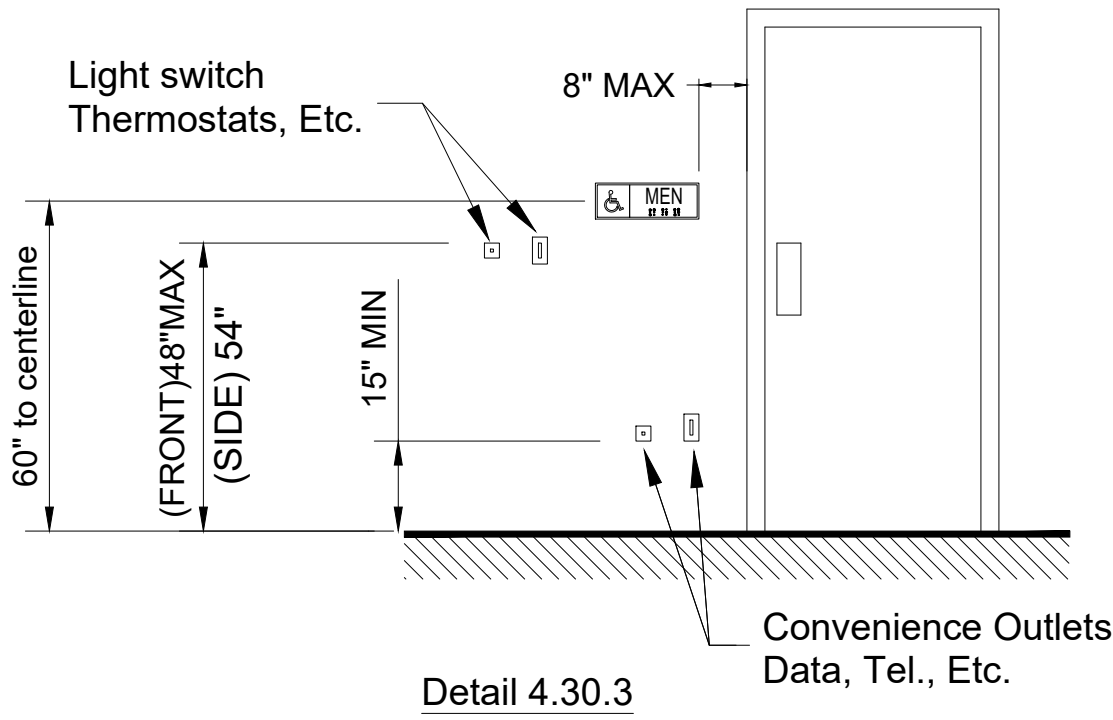


904

International Symbol of Accessibility

Detail 4.30.1

Detail 4.30.2



Interior Elevations @ Toilet Rooms

Scale: 3/8" = 1'-0"

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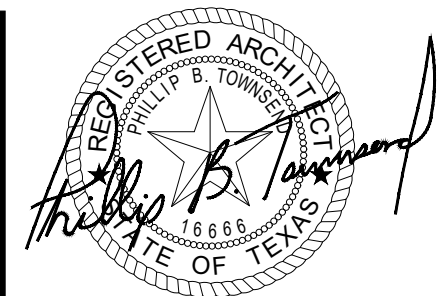
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✕ Matthew 7:7
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Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pb@vrf.net

Job No. ---
Date: July 2022
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Sheet Title:
Interior Elevations
Sheet No. 9 of 30



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Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
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for
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713 Indiana
Wichita Falls, TX

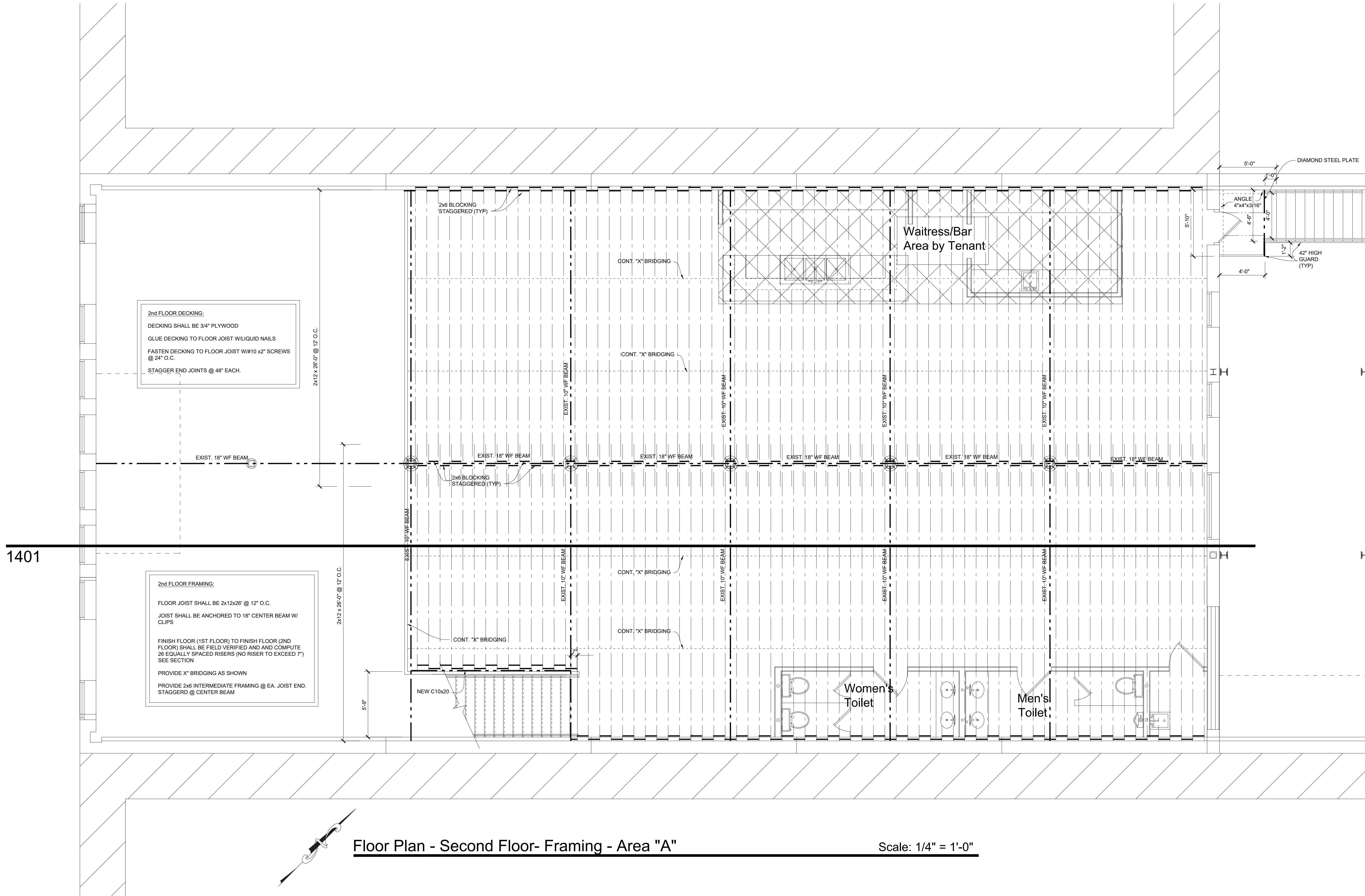
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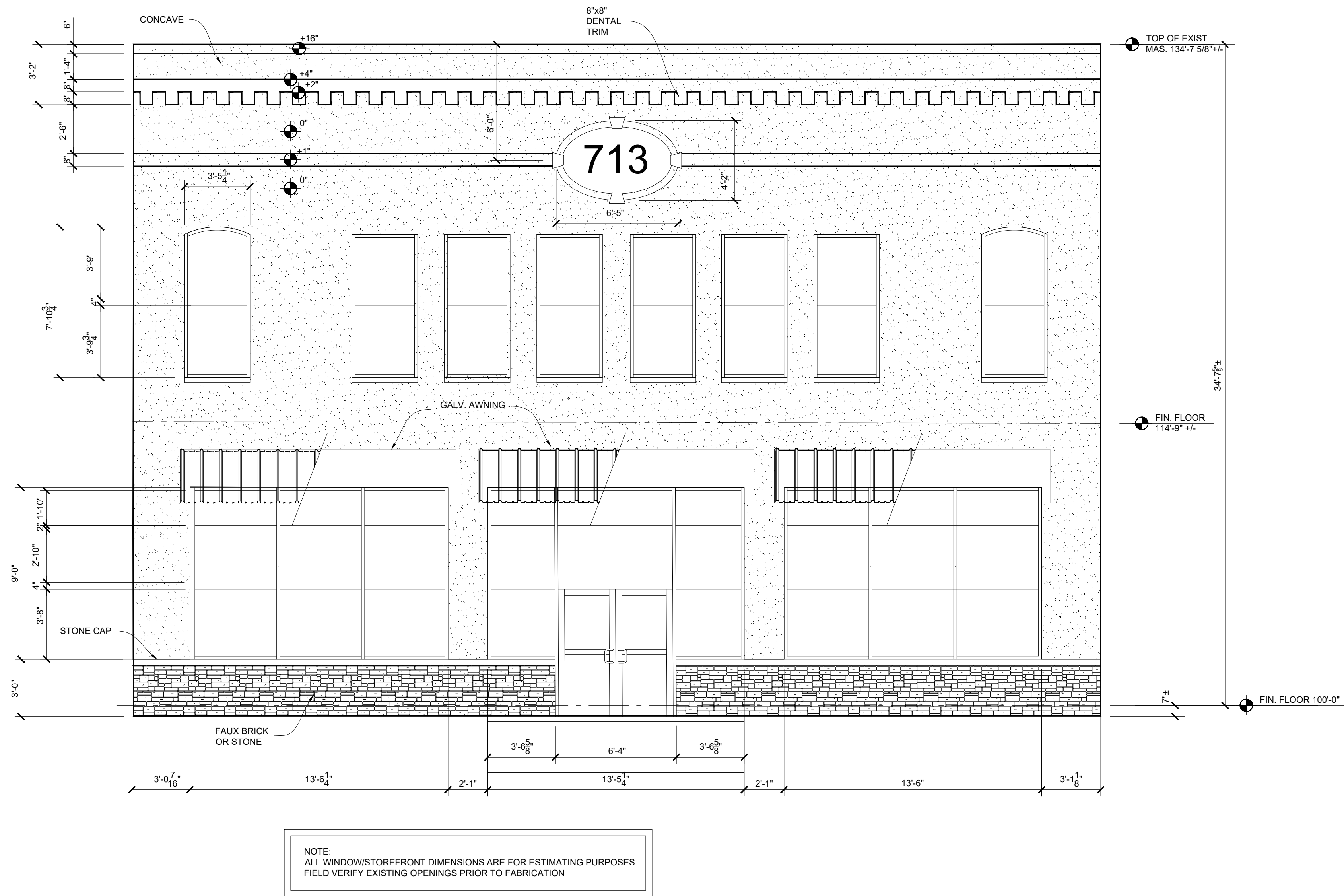
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Date:
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Sheet Title:
2nd Floor
Framing

Sheet No.
10 of 30





1101 West (Front) Exterior Elevation

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



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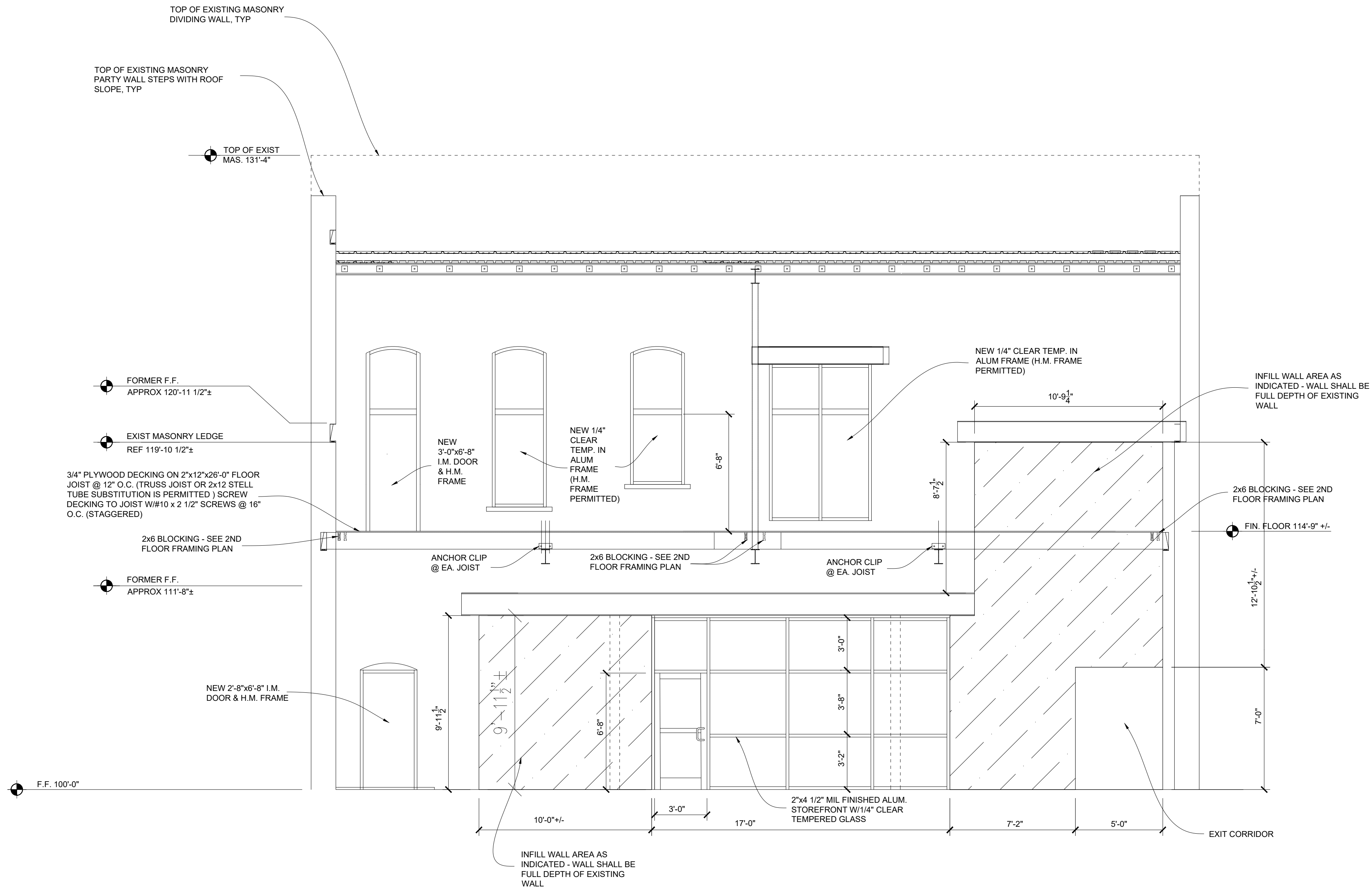
Matthew 7:7
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Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: p@wf.net

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713 Indiana
Wichita Falls, TX

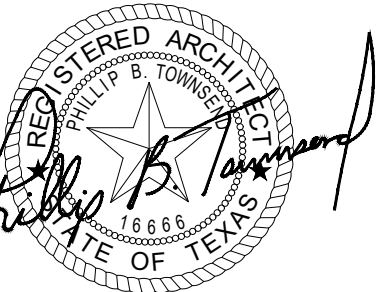
Job No.
Date:
July 2022
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Sheet Title:
West Elev. @
Front
Sheet No.
11 of 30



1201 West Elevation @ Middle Wall

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



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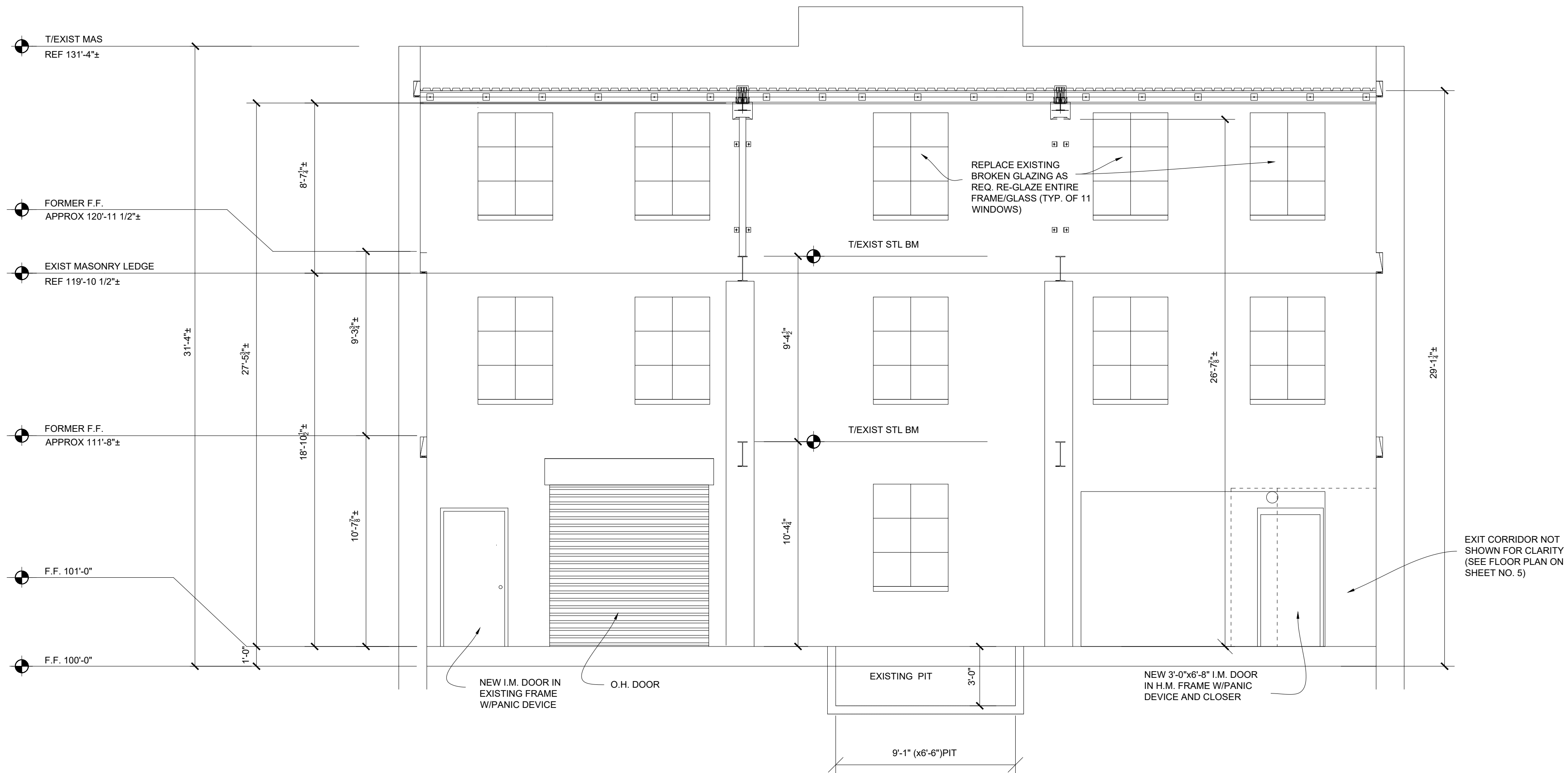
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Matthew 7.7

Job No.

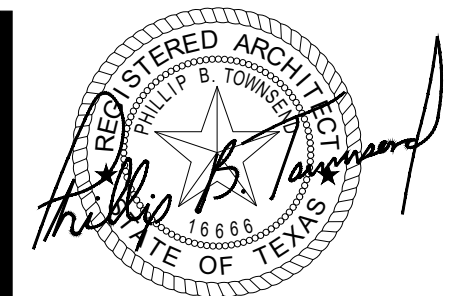
Date:
July 2022
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Sheet Title:
West Elev. @
Middle Wall
Sheet No.
12 of 30



1301 West Elevation of Rear Wall @ Alley

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



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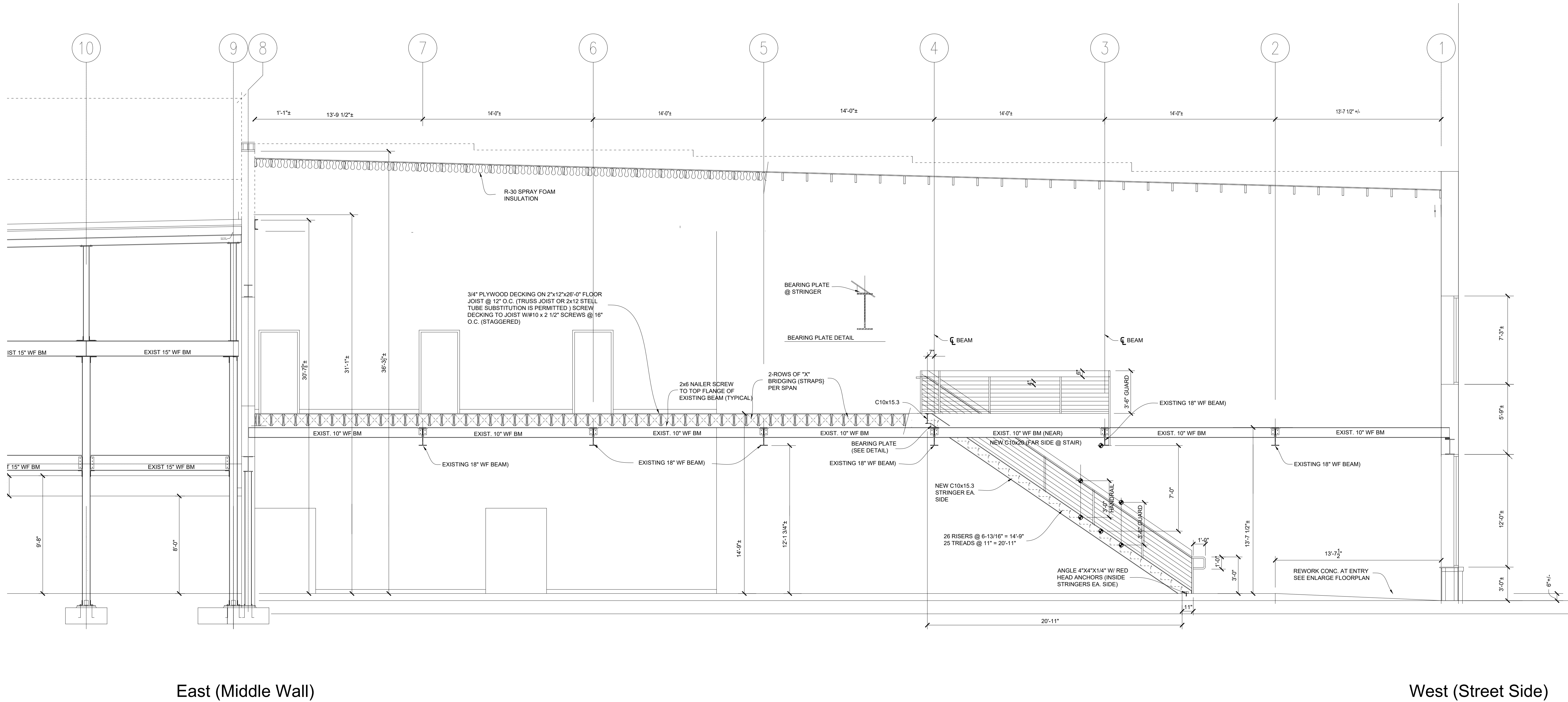
Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: p@vf.net

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Job No.

Date:
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Sheet Title:
West Elev @
Rear Wall
Sheet No.
13 of 30

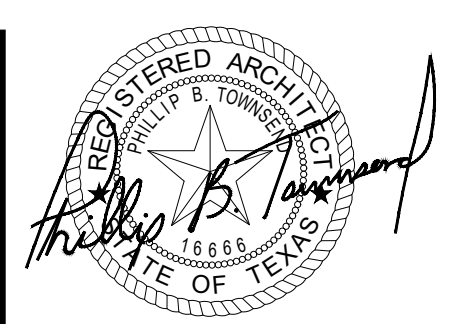


East (Middle Wall)

West (Street Side)

1401 Building Section (West to East Looking South)

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



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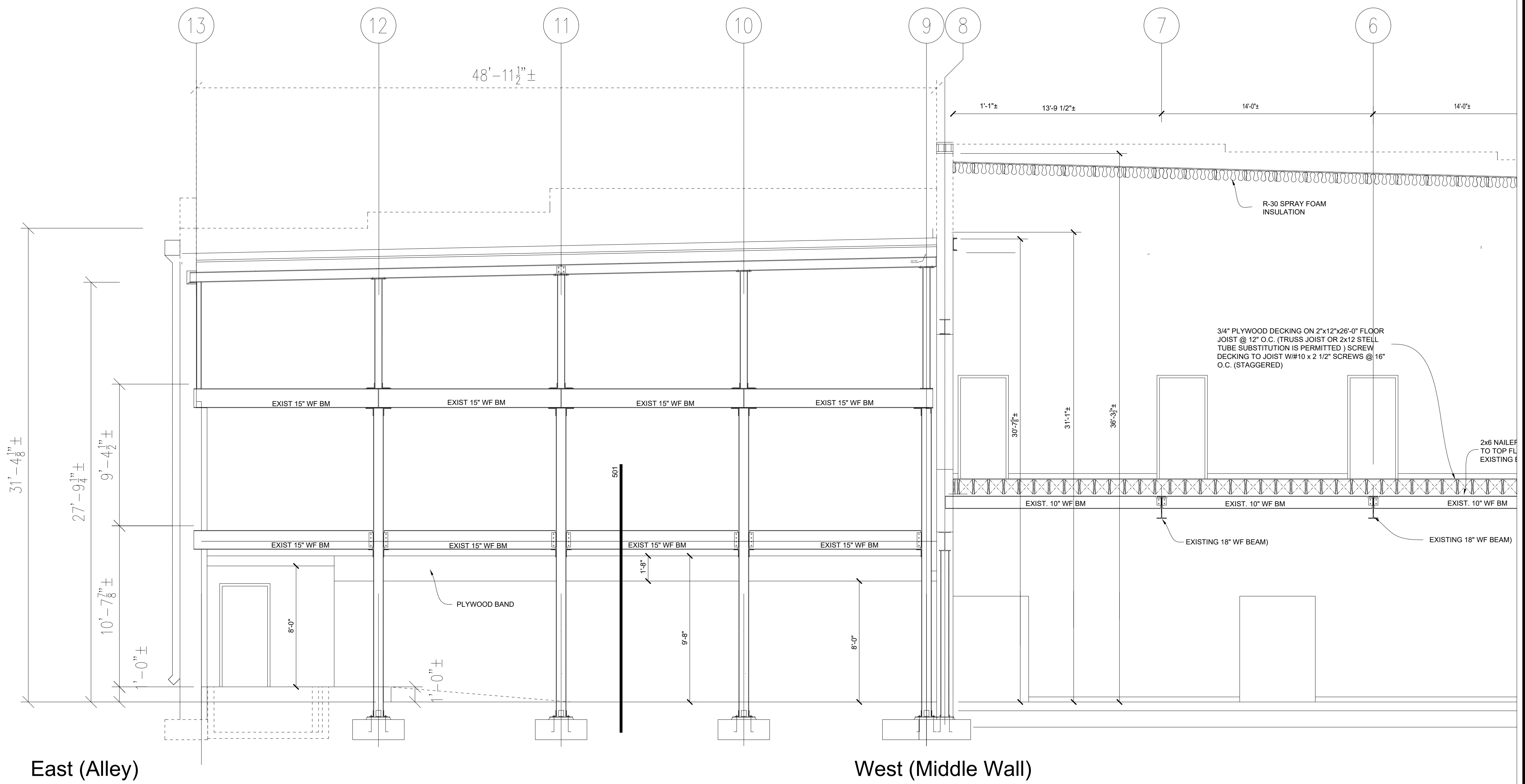
Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: p@wv.net

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for
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713 Indiana
Wichita Falls, TX

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Sheet Title:
Building
Section
Sheet No.
14 of 30



1501 Building Section (West to East from Middle Wall Looking South) Scale: 1/4" = 1'-0"

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Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pb@wfb.net

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for
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713 Indiana
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Sheet Title:
Building Section

Sheet No.
15 of 30



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
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Architect, Interior Design, Programmer,
Planner, Building Code Consultant



4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pt@wfnf.net

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713 Indiana
Wichita Falls, TX

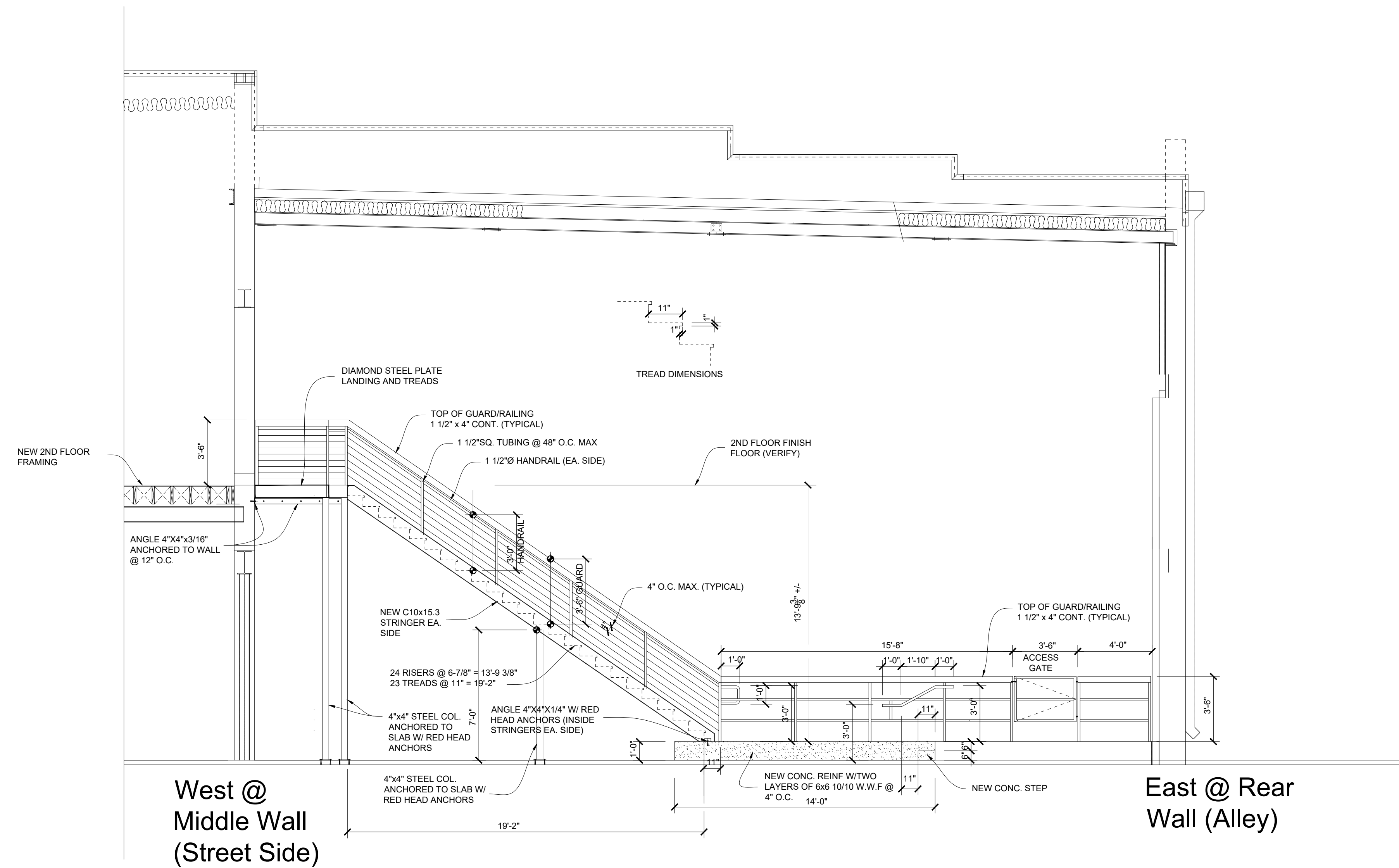
✠ Matthew 7:7

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Date:
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Sheet Title:
Building
Section

Sheet No.
16 of 30



1601 Building Section (West to East @ Middle Wall Looking North)

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



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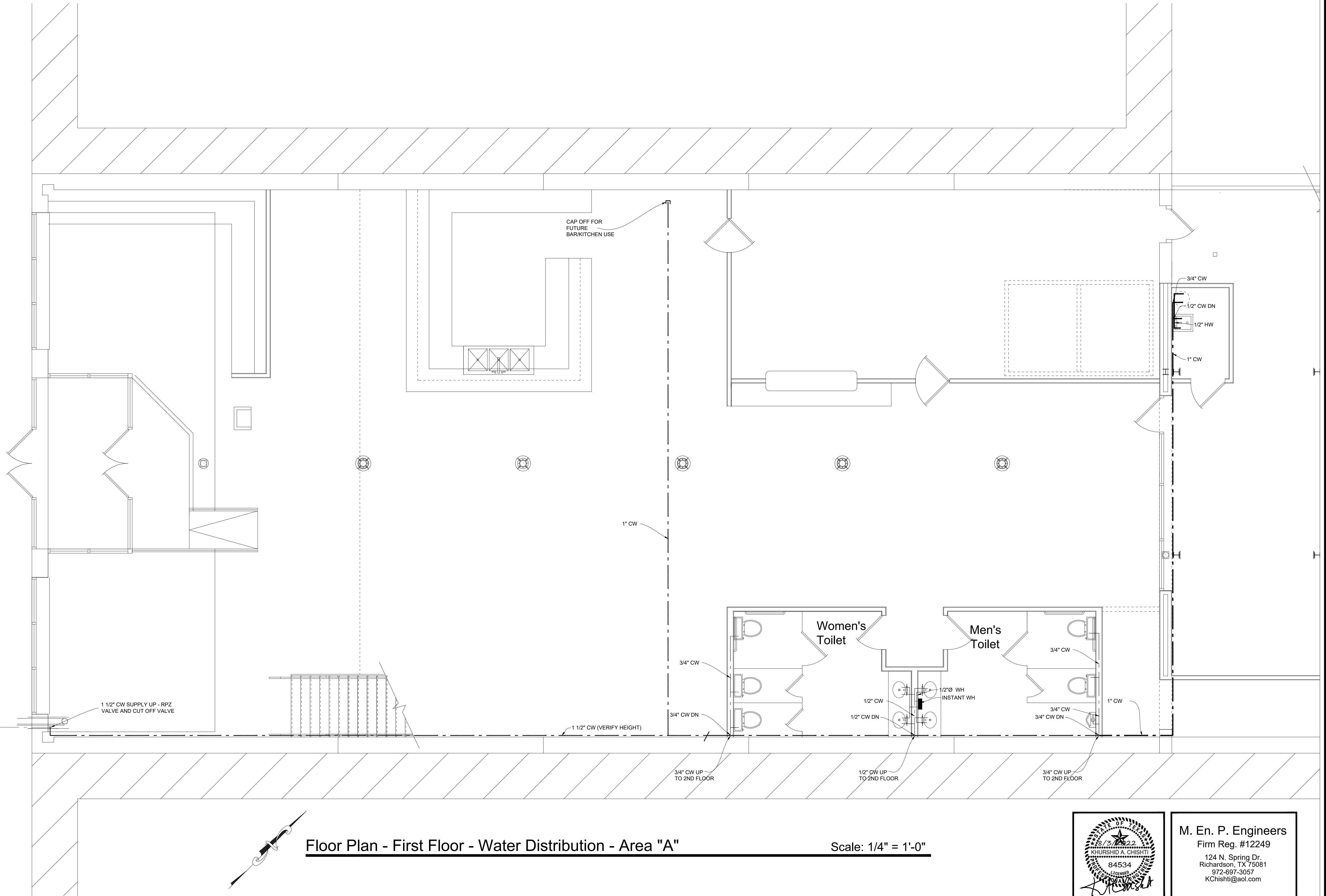
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Phillip B. Townsend, R.A.
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4613 Misty Valley West
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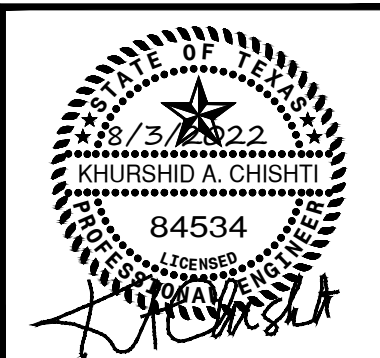
Matthew 7.7
Sheet No.
Date:
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Drawn By:
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Sheet Title:
1st Flr. Water
Area "A"
Sheet No.
17 of 30

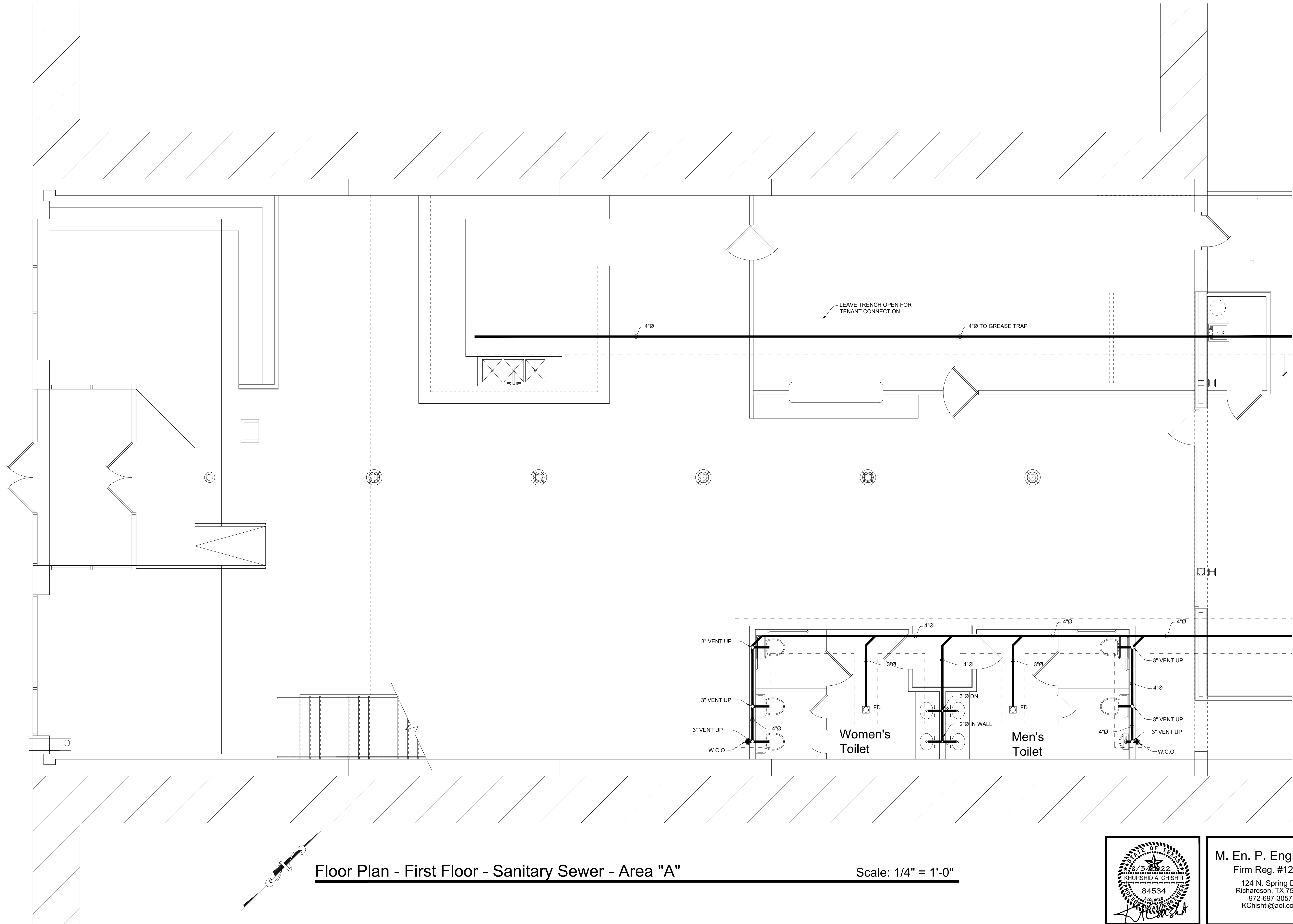


Floor Plan - First Floor - Water Distribution - Area "A"

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

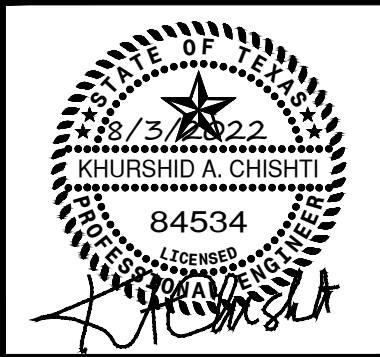


M. En. P. Engineers
Firm Reg. #12249
124 N. Spring Dr.
Richardson, TX 75081
972-697-3057
KChisht@aoi.com

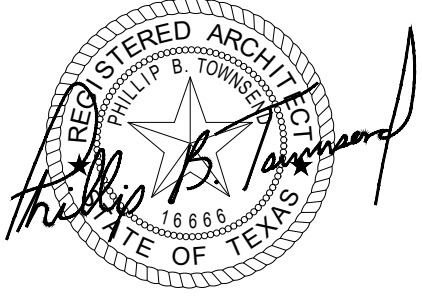


Floor Plan - First Floor - Sanitary Sewer - Area "A"

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



M. En. P. Engineers
Firm Reg. #12249
124 N. Spring Dr.
Richardson, TX 75081
972-697-3057
KChishti@aol.com



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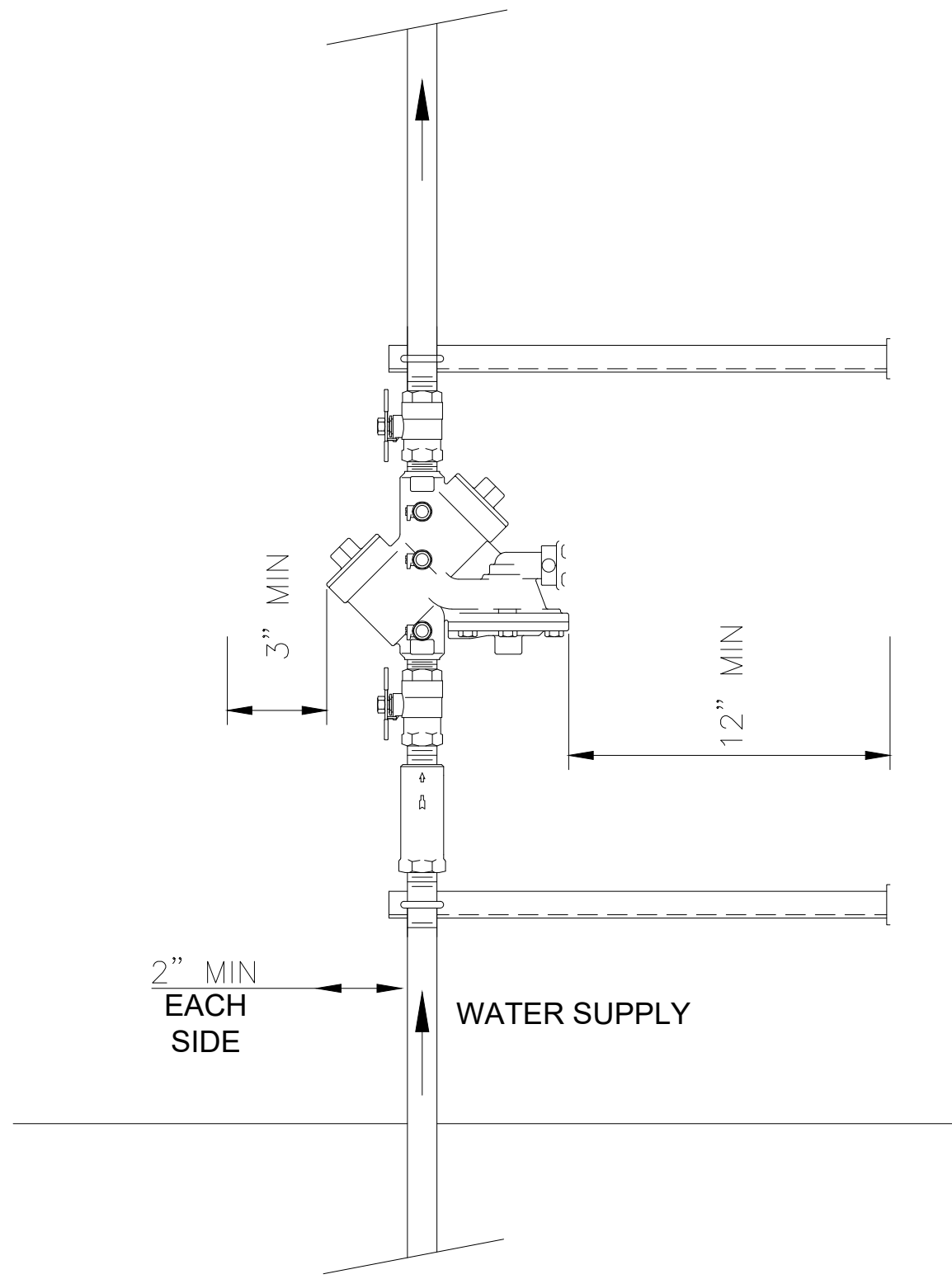
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Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pl@vf.net

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for
713 Indiana, LLC
713 Indiana
Wichita Falls, TX

Job No.
Date:
July 2022
Drawn By:
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Sheet Title:
1st. Flr. Sewer
Area "A"
Sheet No.
18 of 30



RPZ Valve Detail

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA FALLS STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION, LATEST EDITION.
2. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF ASSE 1013, REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER ASSEMBLY(BPA);IN A SIZE TO MATCH THAT OF THE REQUIRED METER AND/OR SERVICE PIPING, AND SHALL CONFORM TO ALL CURRENT REQUIREMENTS OF THE UNIVERSITY OF SOUTHERN CALIFORNIA, FOUNDATION FOR CROSS-CONNECTION CONTROL & HYDRAULIC RESEARCH (USC-FCCHRR).
3. ANY VARIATIONS FROM THIS DETAIL MUST BE APPROVED BY WICHITA FALLS WATER UTILITIES.
4. IF THIS BACKFLOW ASSEMBLY IS FOR CONTAINMENT, OR PREMISE ISOLATION, OWNER ACKNOWLEDGES THAT IT'S PRESENCE ON THE PROPERTY DOES NOT DIMINISH, MITIGATE OR REMOVE OWNER'S OBLIGATION TO SATISFY THE ISOLATION OR POINT OF USE REQUIREMENTS LAID OUT IN TITLE 30, CHAPTER 290 OF THE ADMINISTRATIVE CODE AND OR OTHER RELEVANT GUIDELINES REQUIRED BY THE STATE OF TEXAS OR THE CITY OF WICHITA FALLS.
5. IT IS THE RESPONSIBILITY OF ANY PERSON WHO OWNS OR CONTROLS PROPERTY TO ELIMINATE THE POSSIBILITY OF THERMAL EXPANSION IF A CLOSED SYSTEM HAS BEEN CREATED BY THE INSTALLATION OF A BACKFLOW ASSEMBLY.

LOCATION:

6. THE ENCLOSURE SHALL BE LOCATED ON THE OWNER'S PROPERTY IN ACCORDANCE WITH DETAIL BF-H OR DETAIL BF-I IN A LOCATION ACCESSIBLE TO CITY PERSONNEL FOR INSPECTION.
7. THERE SHALL BE NO TAPS, PIPE BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPARTMENT CONNECTION POINTS, OF OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS COA REQUIRED BPA.

INSTALLATION:

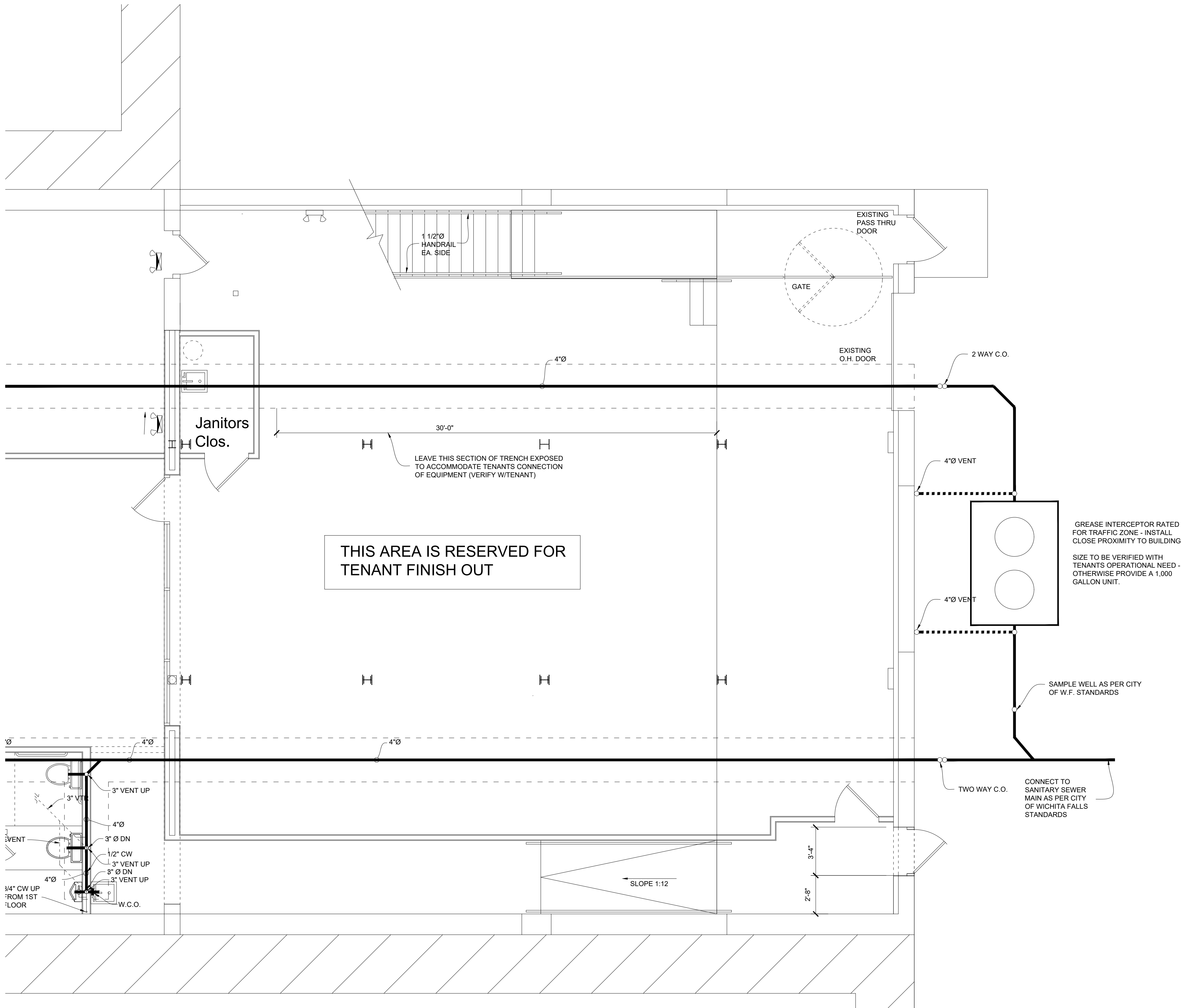
1. PIPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN CITY OF WICHITA FALLS STANDARDS AND SPECIFICATIONS.
2. ISOLATION VALVES ARE SPECIFIC TO EACH APPROVED BPA AND NO SUBSTITUTION OF ISOLATION VALVES ARE PERMITTED.
3. SUPPORT FOR ASSEMBLY SHALL BE DESIGNED BY OWNER SUCH THAT ASSEMBLY WEIGHT DOES NOT DESTABILIZE STRUCTURAL INTEGRITY AND SHALL NOT BLOCK RELIEF VALVE ON DRAIN PORT.

TESTING

4. EACH REQUIRED BACKFLOW PREVENTER MUST BE TESTED BY A CITY OF WICHITA FALLS -APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE.
5. ALL RPZ-BFP ASSEMBLIES SHALL BE TESTED AT TIME OF INSTALLATION AND AT LEAST ANNUALLY THEREAFTER. A COPY OF ALL TEST AND MAINTENANCE REPORTS MUST BE SUBMITTED TO THE CITY OF WICHITA FALLS WATER DEPARTMENT.

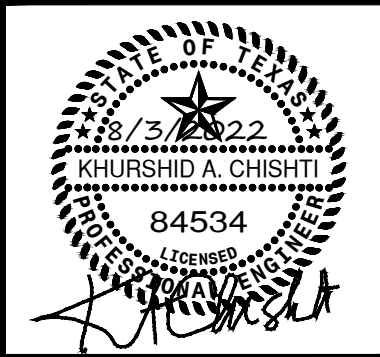
MAINTENANCE

6. MAINTENANCE AND UPKEEP OF ALL BACKFLOW PREVENTION EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.

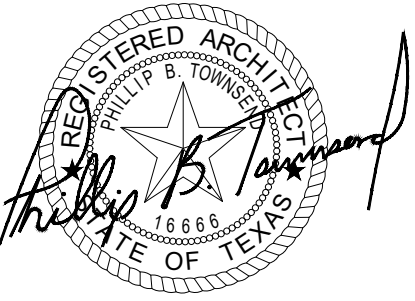


Floor Plan - First Floor - Sanitary Sewer - Area "B"

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



M. En. P. Engineers
Firm Reg. #12249
124 N. Spring Dr.
Richardson, TX 75081
972-697-3057
KChishti@aol.com



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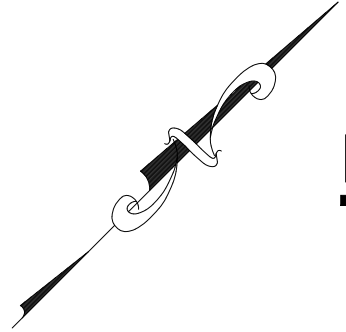
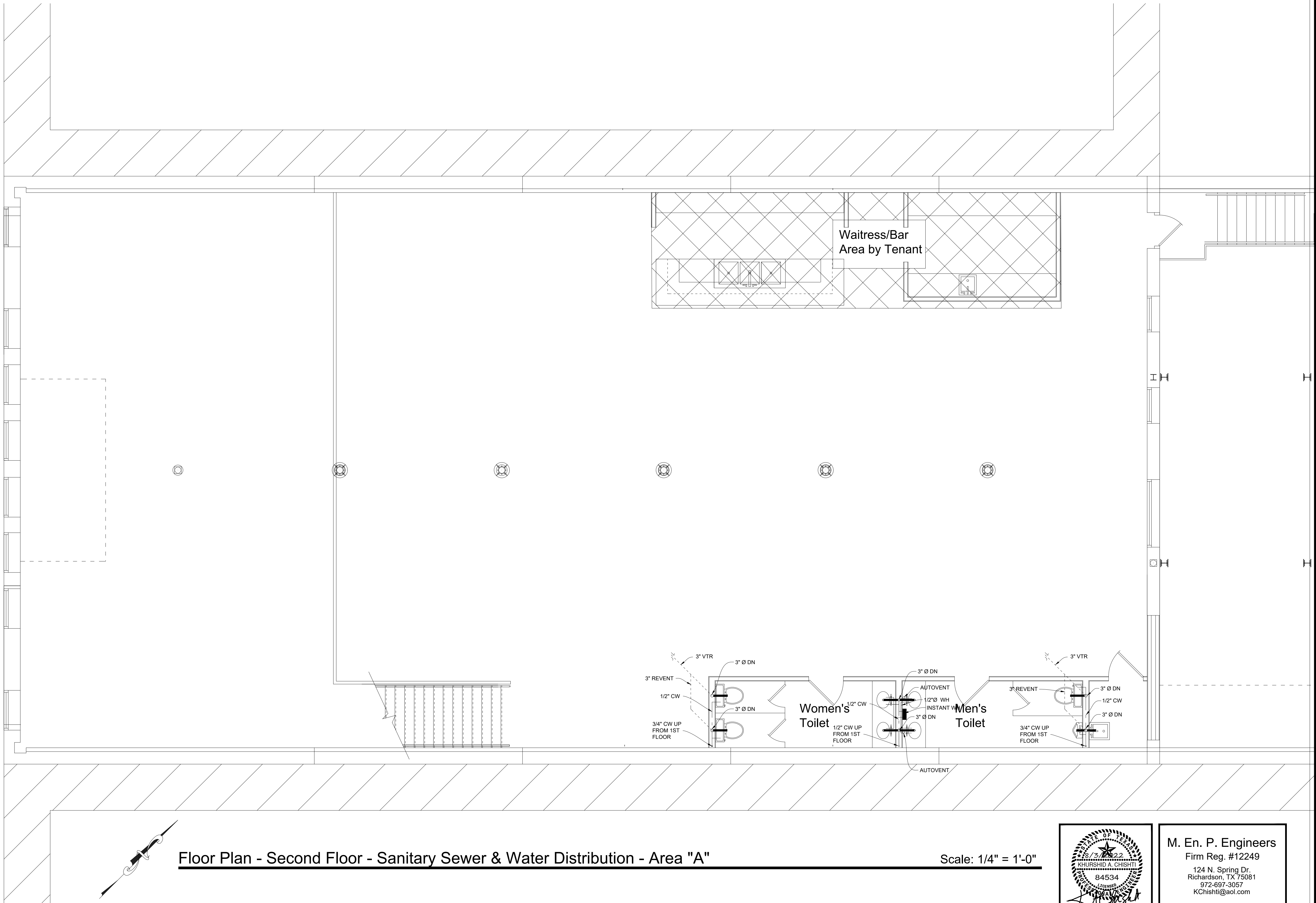
Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pl@vf.net

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Wichita Falls, TX

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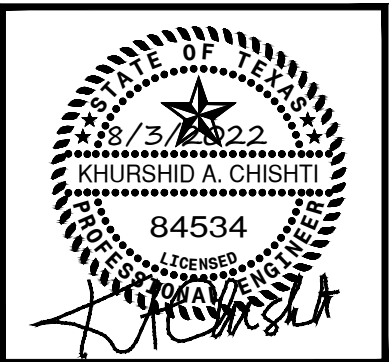
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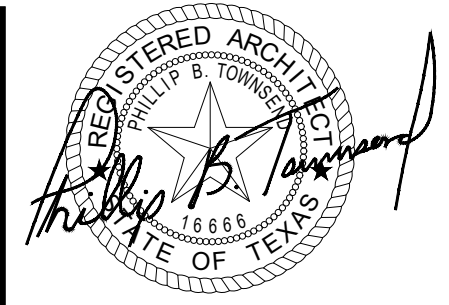


Floor Plan - Second Floor - Sanitary Sewer & Water Distribution - Area "A"

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



M. En. P. Engineers
Firm Reg. #12249
124 N. Spring Dr.
Richardson, TX 75081
972-697-3057
KChishti@aol.com



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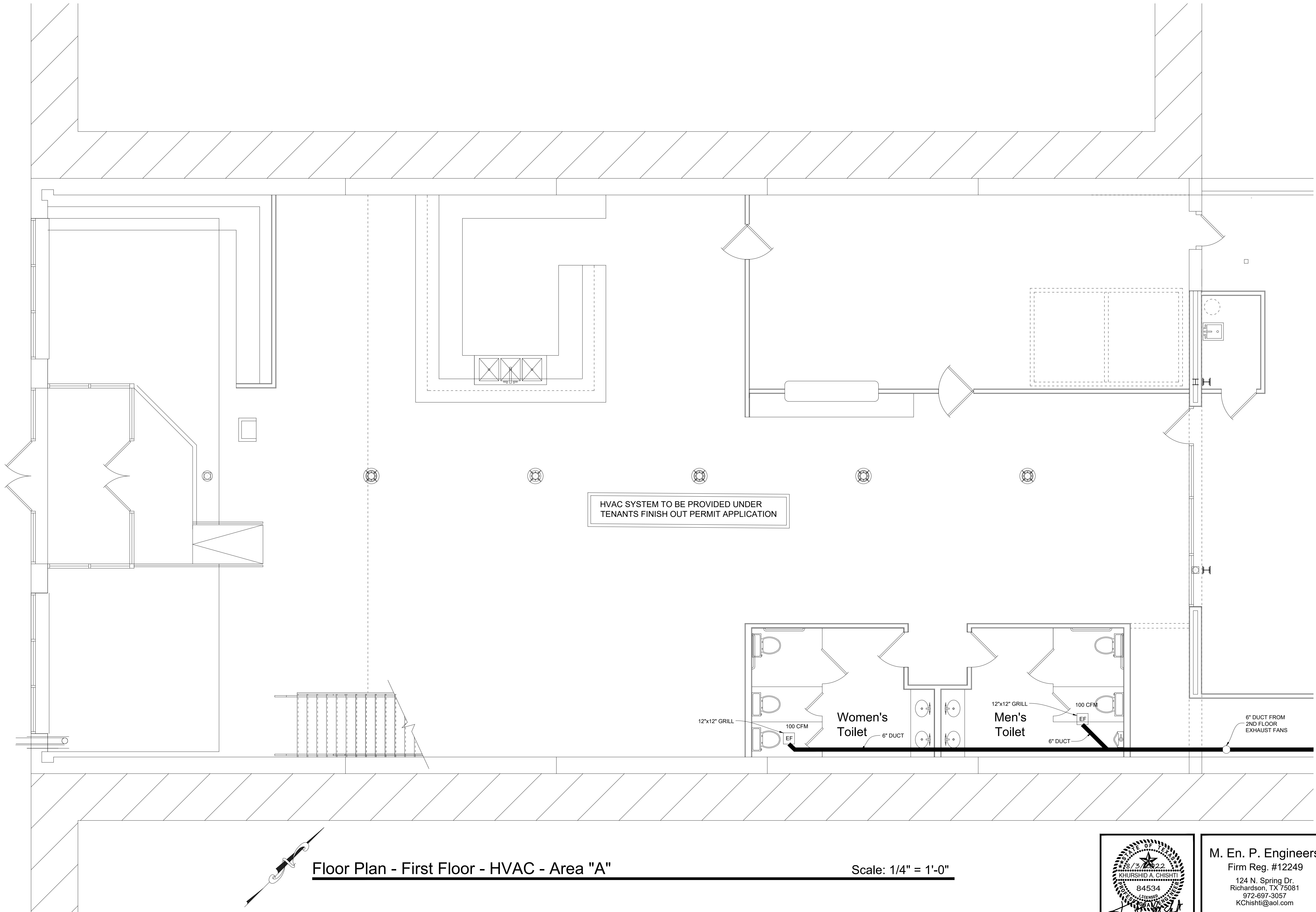
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Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pl@vrf.net

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Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pl@vrf.net

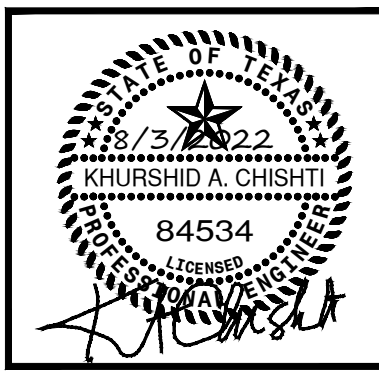
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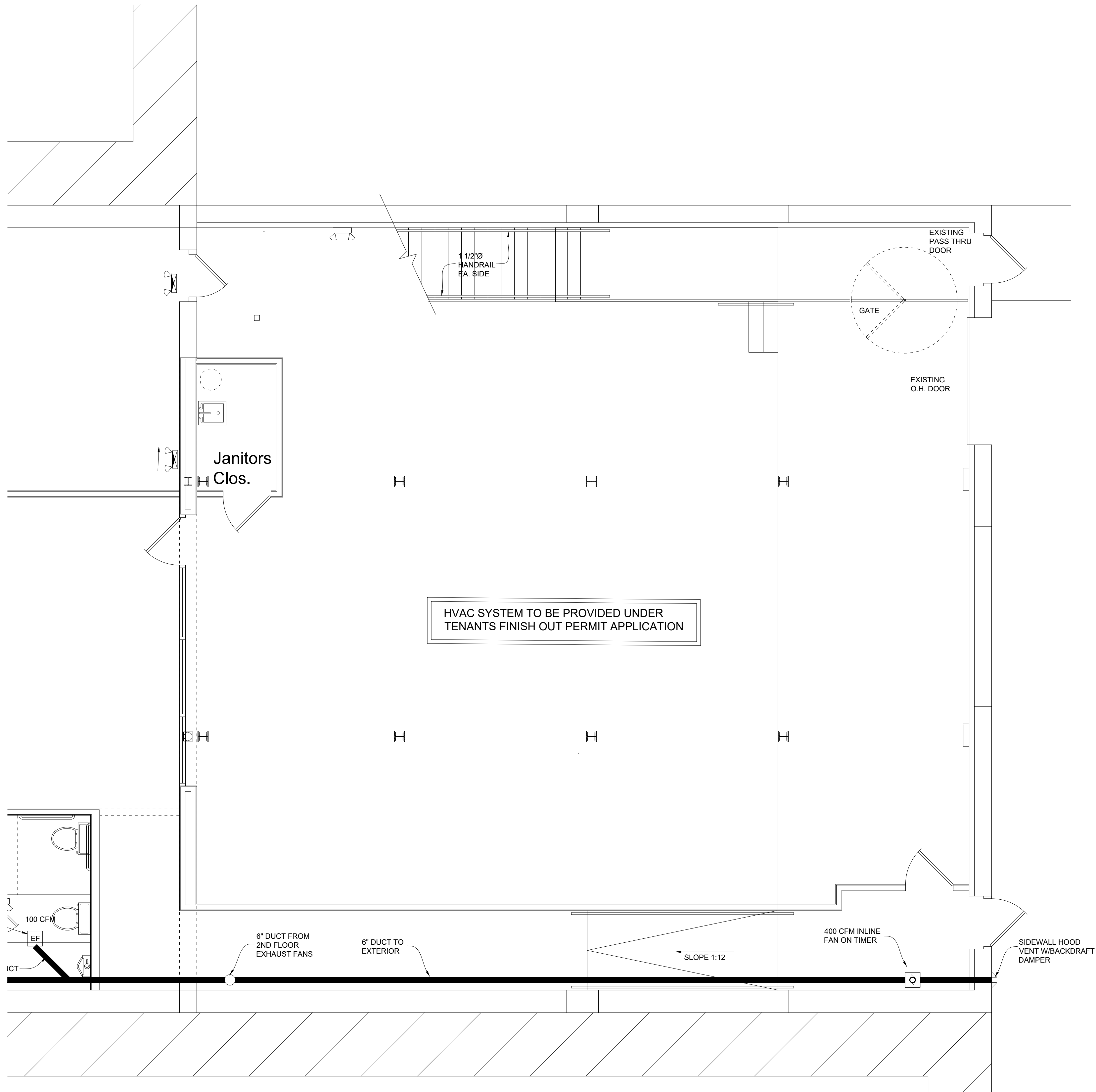
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21 of 30

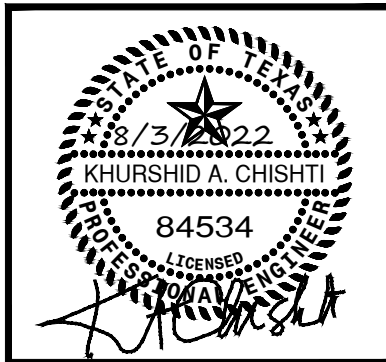


M. En. P. Engineers
Firm Reg. #12249
124 N. Spring Dr.
Richardson, TX 75081
972-697-3057
KChishti@aol.com



Floor Plan - First Floor - HVAC - Area "B"

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



M. En. P. Engineers
Firm Reg. #12249
124 N. Spring Dr.
Richardson, TX 75081
972-697-3057
KChishti@aol.com



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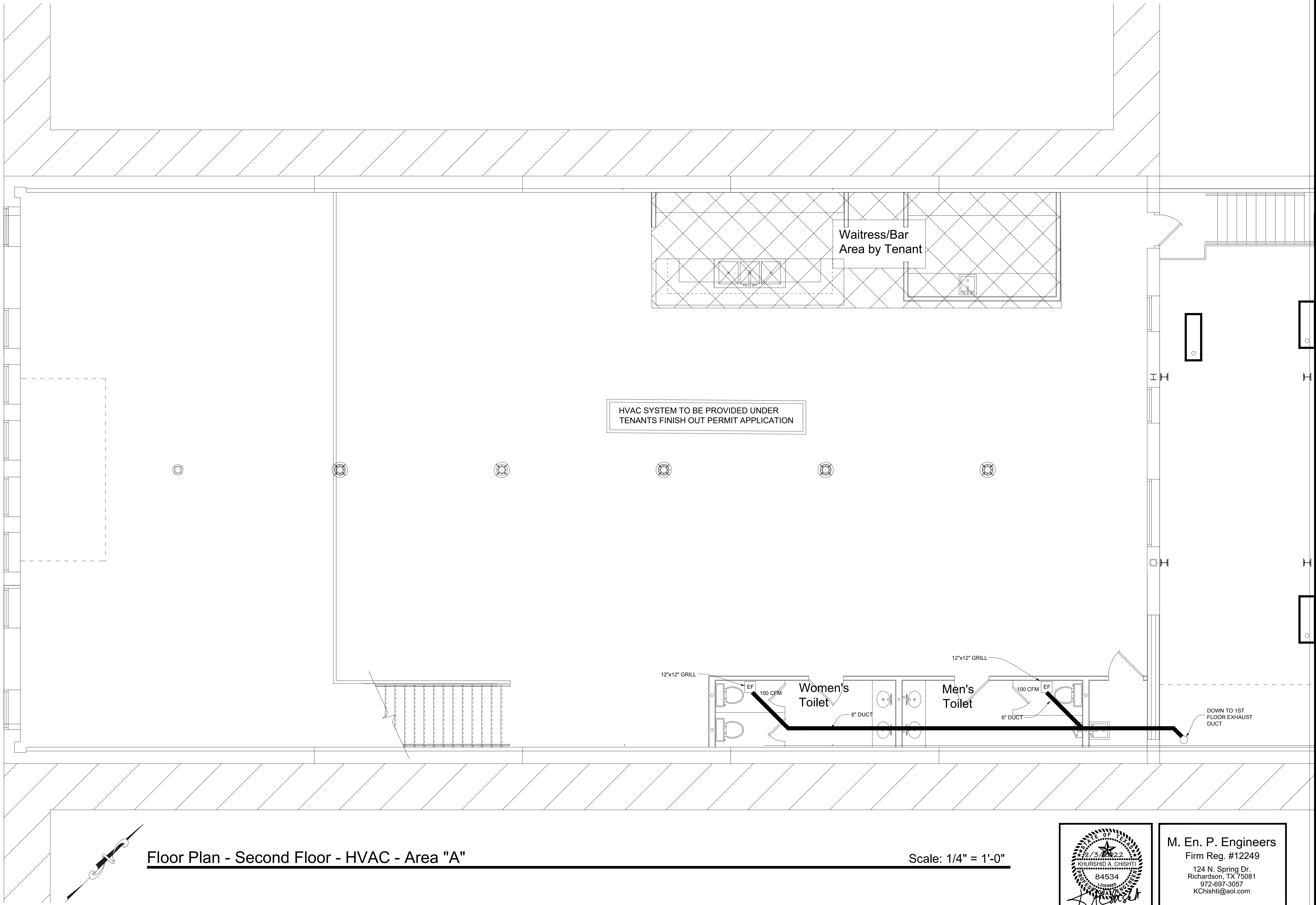
Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: p@vf.net


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22 of 30





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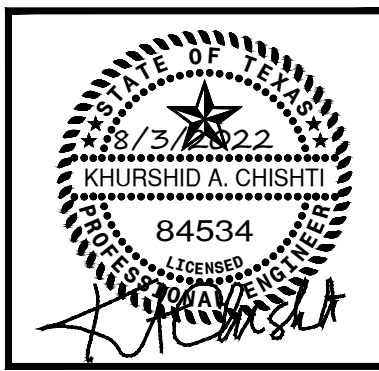
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Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pb@vrf.net

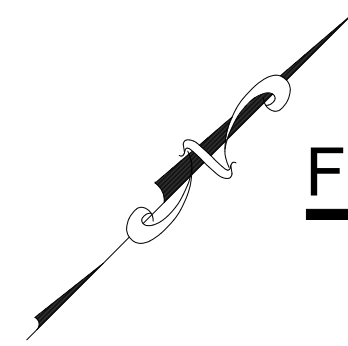
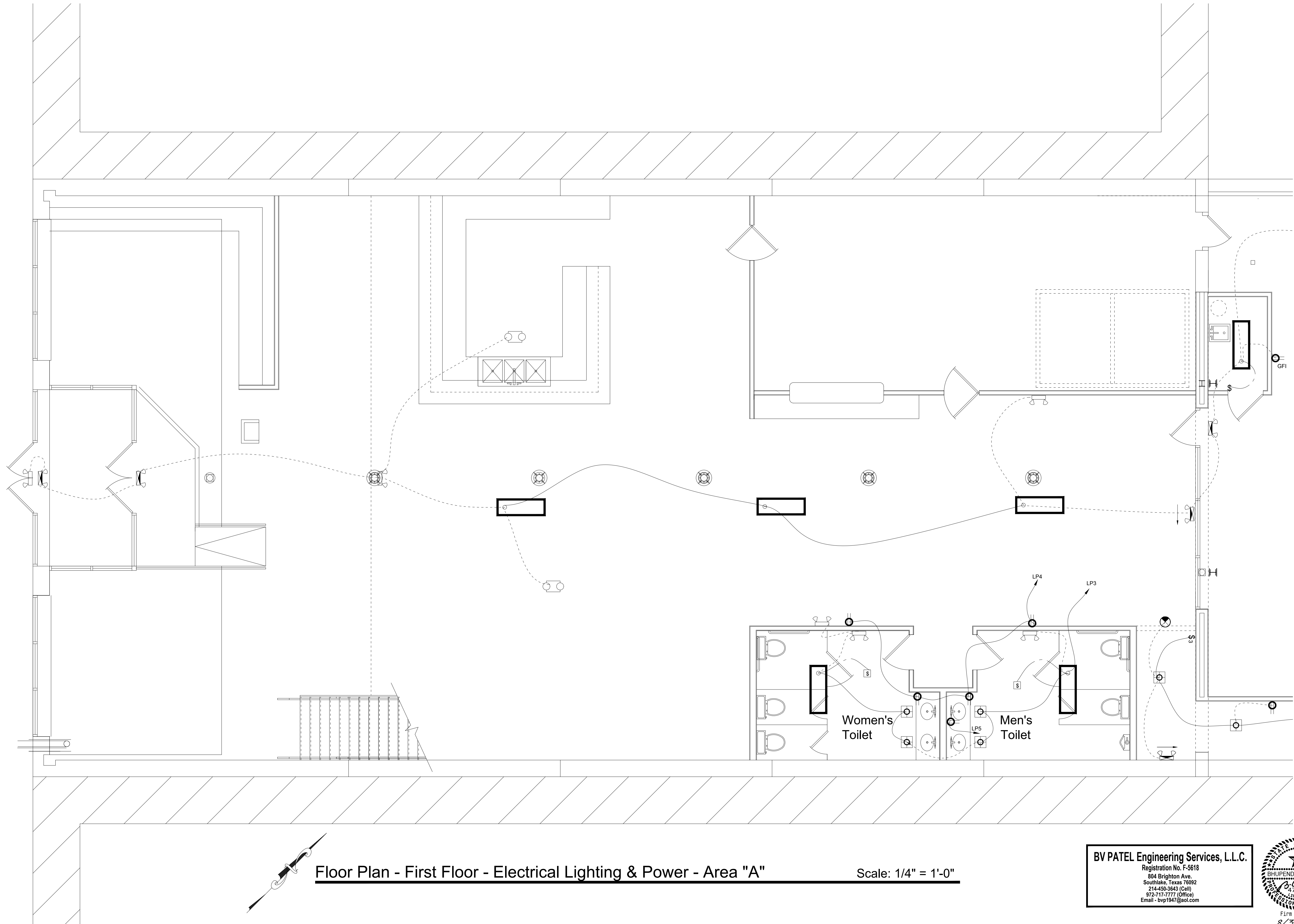
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23 of 30



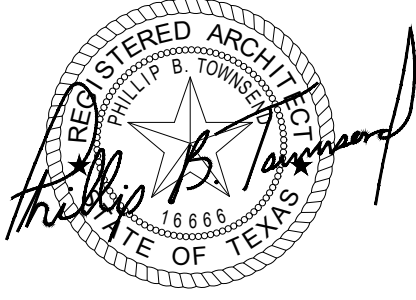
M. En. P. Engineers
Firm Reg. #12249
124 N. Spring Dr.
Richardson, TX 75081
972-697-3057
KChishti@aol.com



Floor Plan - First Floor - Electrical Lighting & Power - Area "A"

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

BV PATEL Engineering Services, L.L.C.
Registration No. F-5618
804 Brighton Ave.
Southlake, Texas 76092
214-450-3643 (Cell)
872-717-7777 (Office)
Email - bvp1947@aol.com



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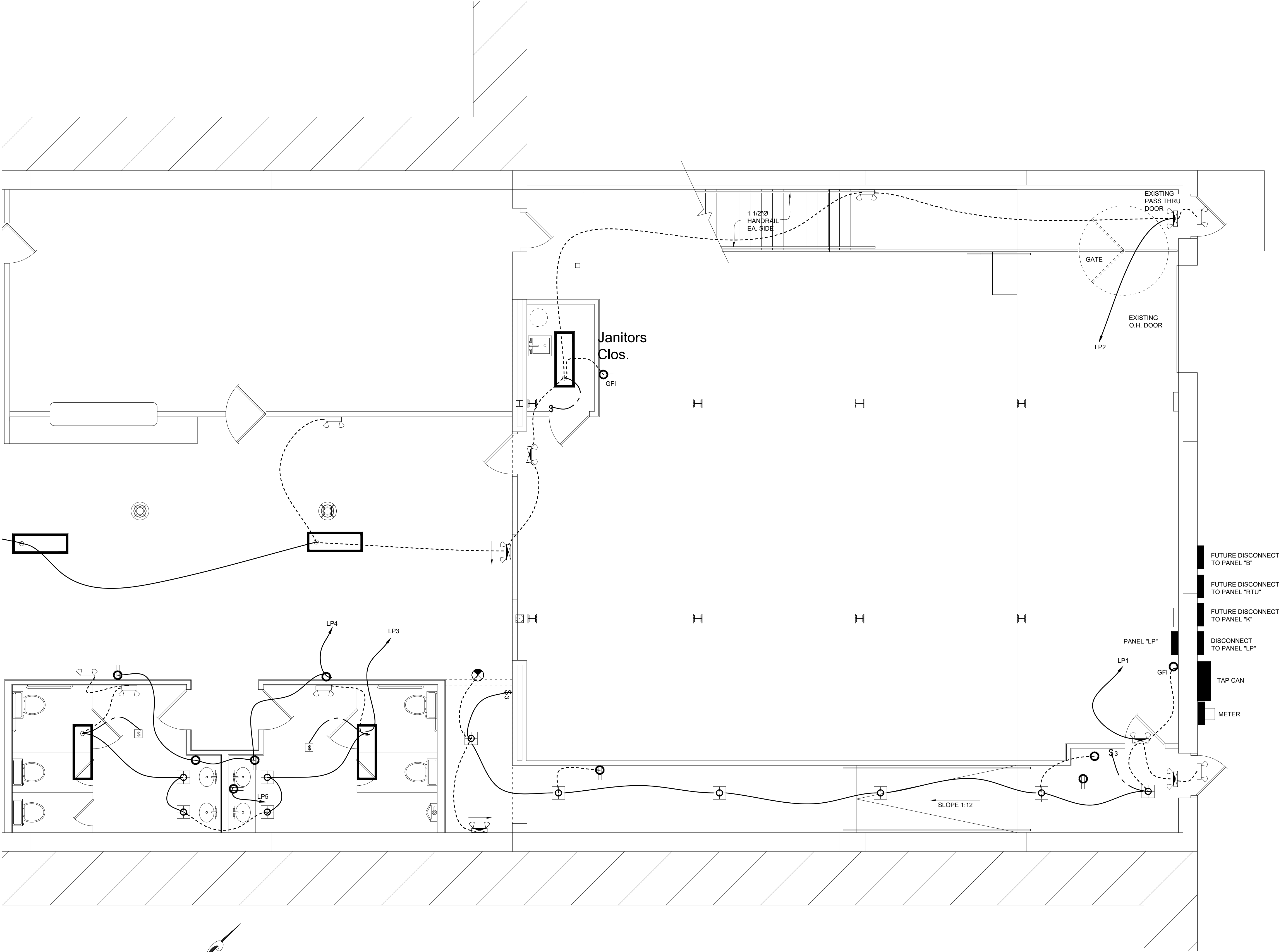
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Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pl@vrf.net

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24 of 30



Floor Plan - First Floor - Electrical Lighting & Power - Area "B"

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BV PATEL Engineering Services, L.L.C.
Registration No. F-5618
804 Brighton Ave.
Southlake, Texas 76092
214-450-3643 (Call)
872-717-7777 (Office)
Email - bvp1947@aol.com



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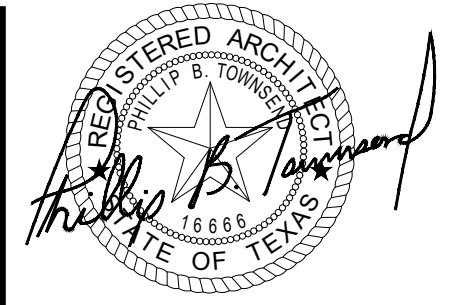
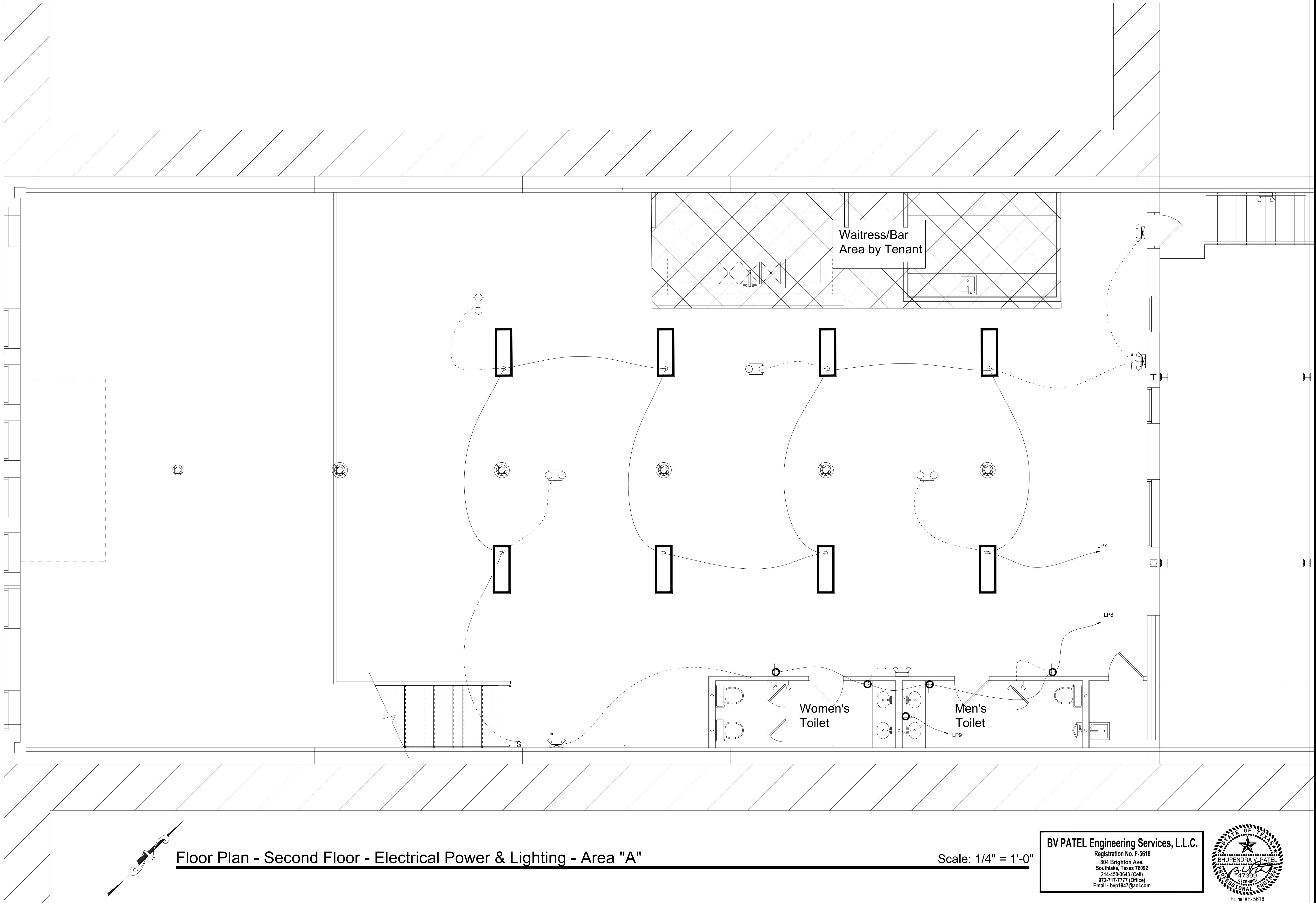
Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pb@vrf.net

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Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-3590
Email: pl@vrf.net

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Registration No. F-5618
804 Brighton Ave.
Southlake, Texas 76092
214-450-3643 (Cell)
872-717-7777 (Office)
Email - bvp1947@aol.com





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Architect, Interior Design, Programmer,
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4613 Misty Valley West
Wichita Falls, Texas 76310
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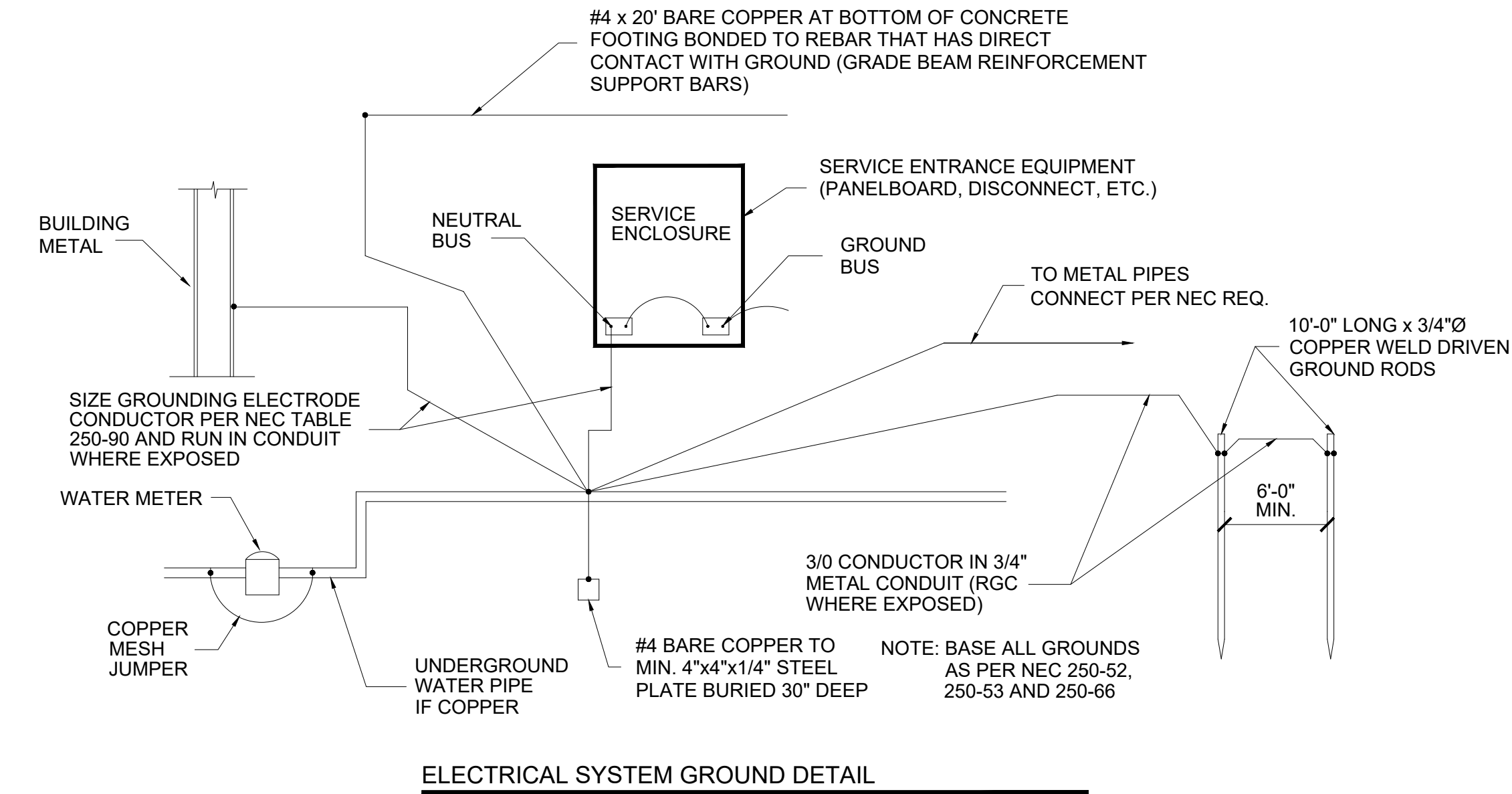
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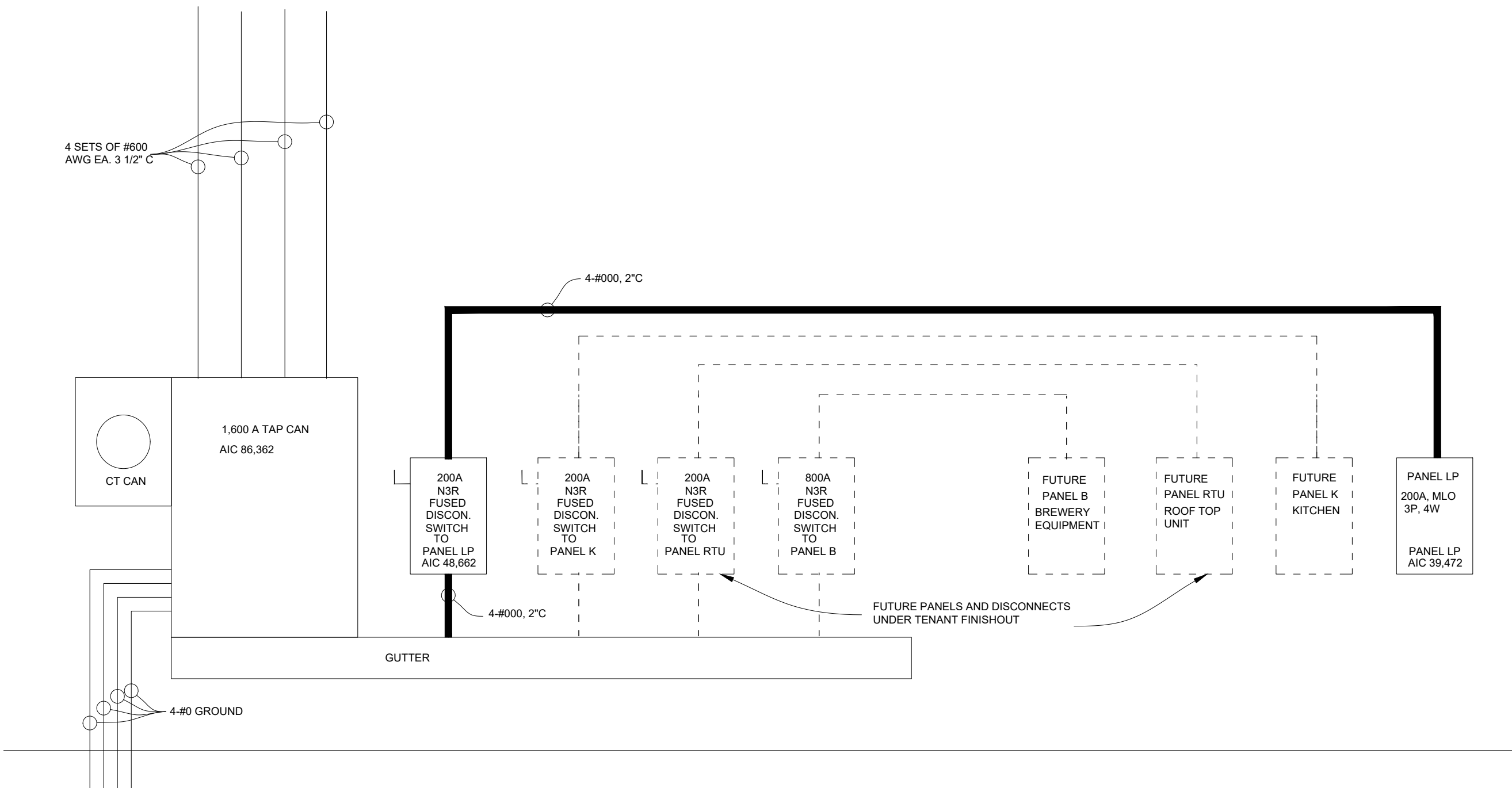
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27 of 30



GROUNDING NOTES:

- ALL CONDUCTORS SHALL BE MIN. #4 BARE COPPER (RUN IN METAL CONDUIT WHERE REQ'D)
- GROUND AND NEUTRAL SHALL BE COPPER
- RESISTANCE OF MADE ELECTRODES A SINGLE ELECTRODE CONSISTING OF A ROD, PIPE, OR PLATE THAT DOES NOT HAVE A RESISTANCE TO GROUND OF 25 OHMS OR LESS SHALL BE AUGMENTED BY ONE ADDITIONAL ELECTRODE

ALL WORK SHALL BE IN ACCORDANCE WITH 2005 NATIONAL ELECTRICAL CODE INCLUDING LATEST LOCAL AMENDMENTS ADOPTED BY THE CITY OF WICHITA FALLS



Electrical Riser

BV PATEL Engineering Services, L.L.C.
Registration No. F-5618
804 Brighton Ave.
Southlake, Texas 76092
214-459-3643 (Cell)
872-717-7777 (Office)
Email - bvp1947@aol.com



CHAPTER 3: BUILDING BLOCKS

302 Floor or Ground Surfaces

302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture.

Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed exposed edge. Carpet edge trim shall comply with 303.

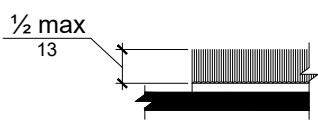


Figure 302.2 Carpet Pile Height

302.3 Opening. Floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

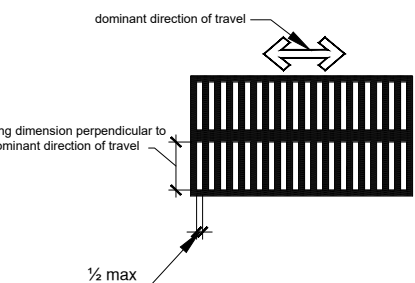


Figure 302.3 Opening

302.3 Vertical Change in Level. A vertical change in level shall be permitted to be vertical.

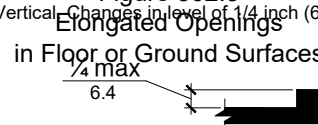


Figure 302.3 Vertical Change in Level

302.3 Beveled Change in Level. A beveled change in level shall be permitted to be beveled with a slope of 1:2.

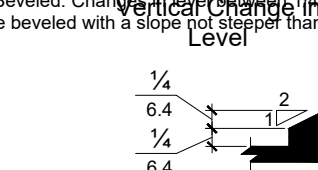


Figure 302.3 Beveled Change in Level

304 Turning Space

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

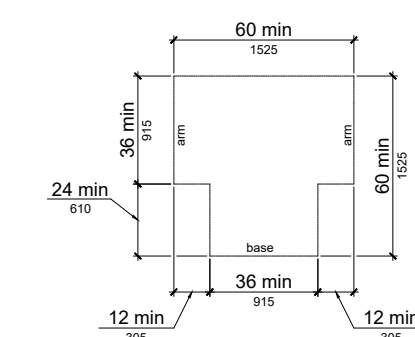


Figure 304.3.2 T-Shaped Turning Space

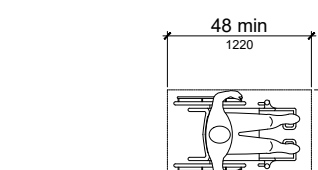


Figure 305.3 Clear Floor or Ground Space

Figure 305.3 Clear Floor or Ground Space

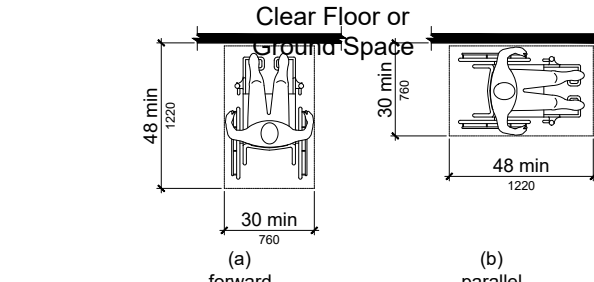


Figure 305.3 Clear Floor or Ground Space

305.7.1 Forward Approach. A forward approach shall be provided where the depth exceeds 24 inches (610 mm) and the clear width shall be at least as wide as the depth.

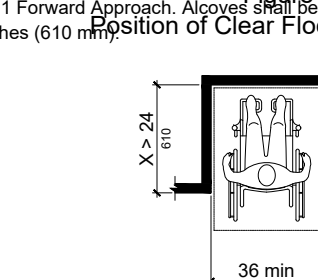


Figure 305.7.1 Forward Approach

305.7.2 Parallel Approach. A parallel approach shall be provided where the depth exceeds 15 inches (380 mm) and the clear width shall be at least as wide as the depth.

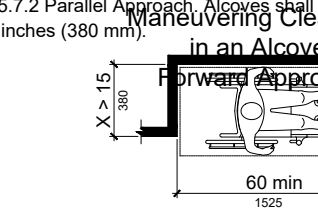


Figure 305.7.2 Parallel Approach

306 Knee and Toe Clearance

306.2 Toe Clearance. A toe clearance shall be provided where the depth exceeds 15 inches (380 mm) and the clear width shall be at least as wide as the depth.

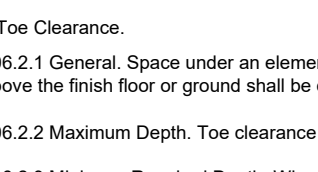


Figure 306.2 Toe Clearance

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

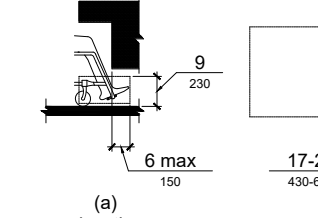


Figure 306.2 Toe Clearance

306.3 Knee Clearance

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

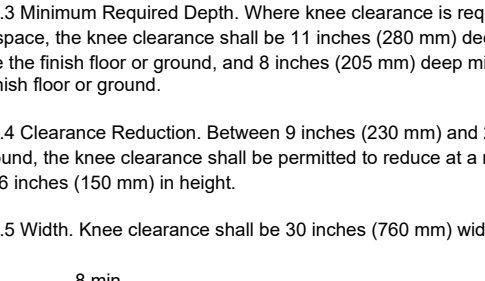


Figure 306.3 Knee Clearance

307 Protruding Objects

307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

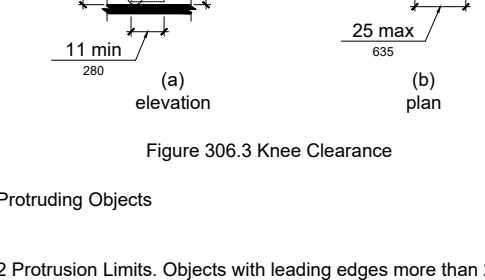


Figure 307.2 Protruding Objects

307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) minimum and 80 inches (2030 mm) minimum above the finish floor or ground.

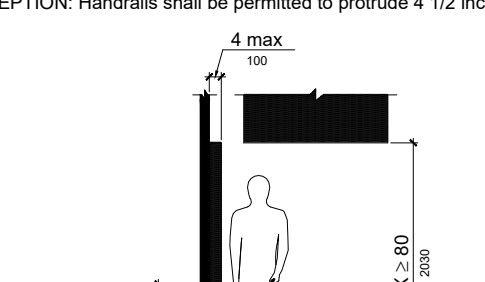


Figure 307.3 Post-Mounted Objects

307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

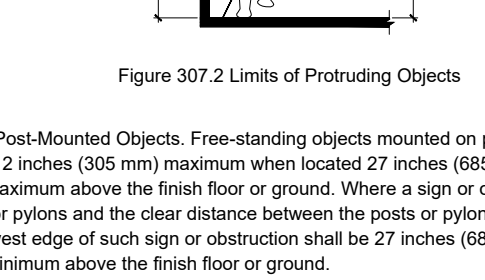


Figure 307.4 Vertical Clearance

EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

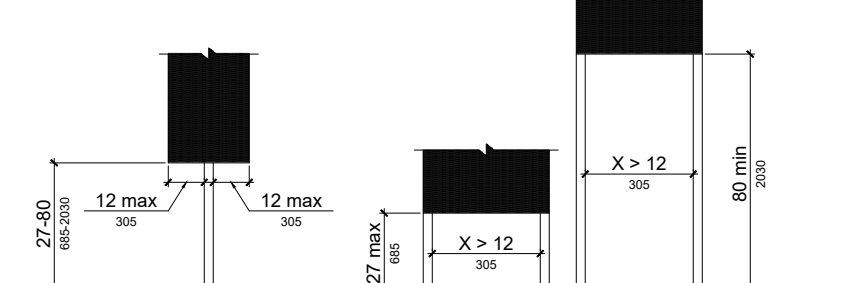


Figure 307.4 Vertical Clearance

307.5 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

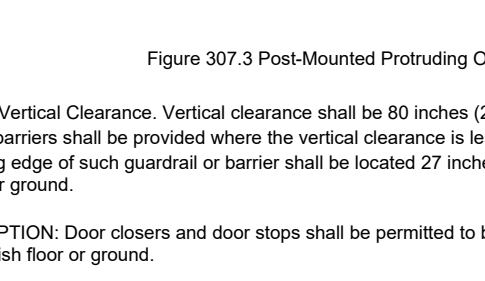


Figure 307.5 Clear Width at Turn

307.6 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

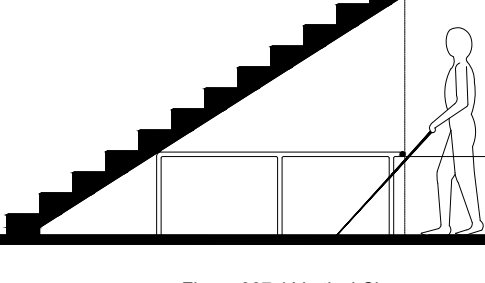


Figure 307.6 Clear Width at Turn

307.7 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

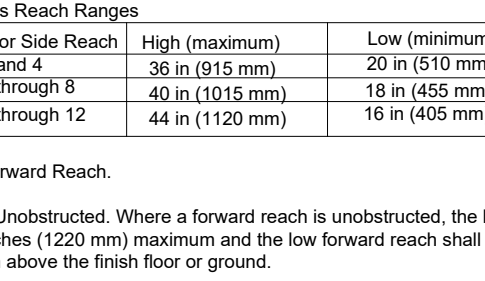


Figure 307.7 Clear Width at Turn

307.8 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

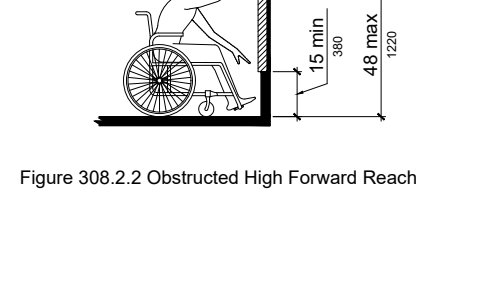


Figure 307.8 Clear Width at Turn

307.9 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

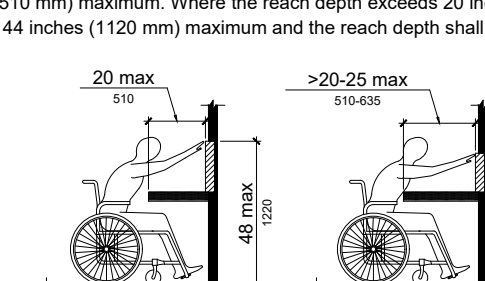


Figure 307.9 Clear Width at Turn

307.10 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

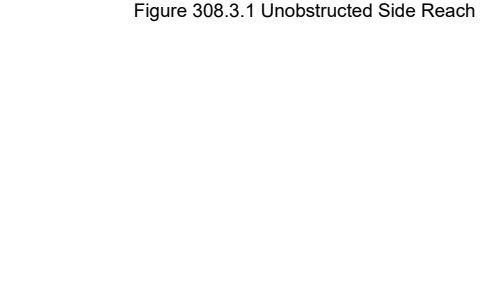


Figure 307.10 Clear Width at Turn

308.3 Side Reach

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

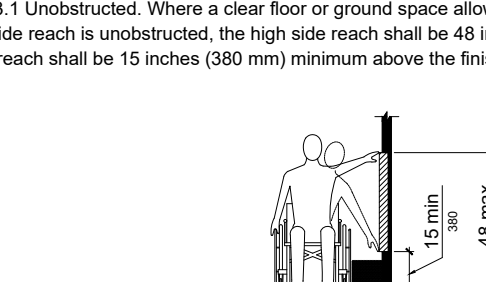


Figure 308.3.1 Unobstructed Side Reach

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

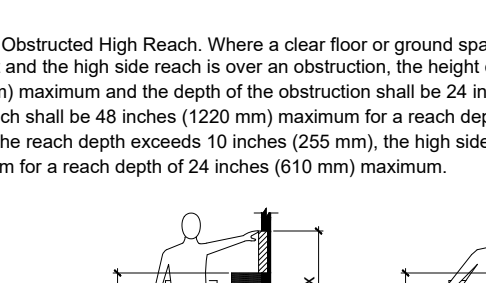


Figure 308.3.2 Obstructed High Side Reach

308.3.3 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

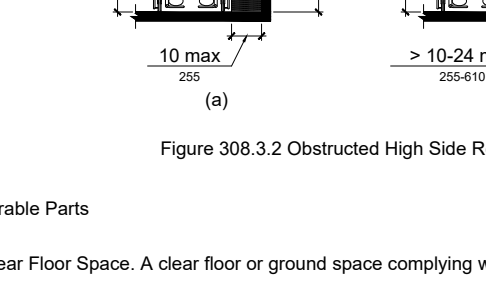


Figure 308.3.3 Obstructed High Side Reach

308.3.4 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

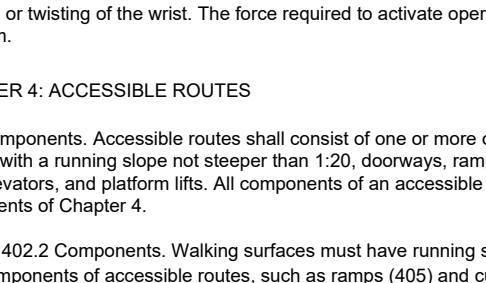


Figure 308.3.4 Obstructed High Side Reach

308.3.5 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

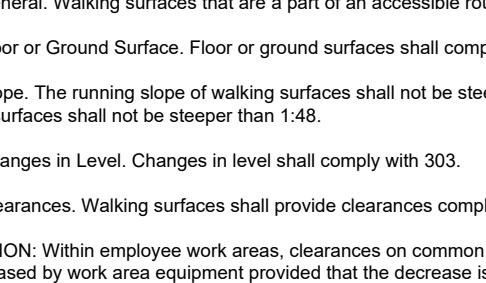


Figure 308.3.5 Obstructed High Side Reach

308.3.6 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

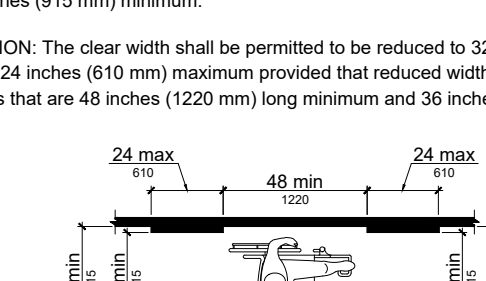


Figure 308.3.6 Obstructed High Side Reach

308.3.7 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

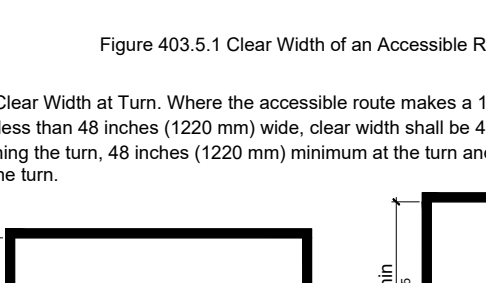


Figure 308.3.7 Obstructed High Side Reach

308.3.8 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

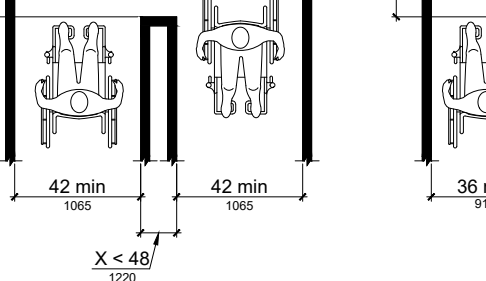


Figure 308.3.8 Obstructed High Side Reach

308.3.9 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

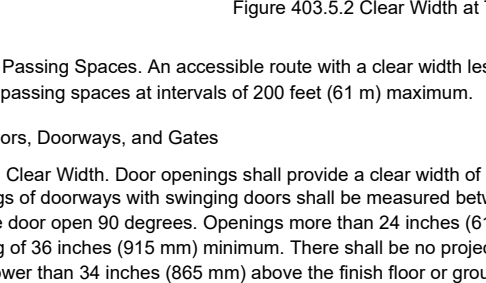


Figure 308.3.9 Obstructed High Side Reach

308.3.10 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

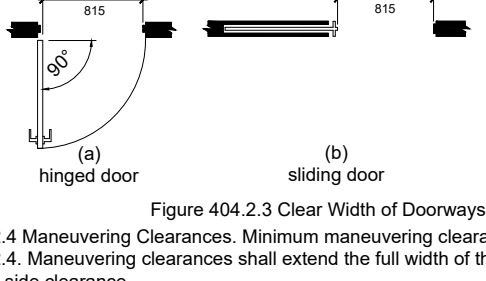


Figure 308.3.10 Obstructed High Side Reach

308.3.11 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.



Figure 308.3.11 Obstructed High Side Reach

308.3.12 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 48 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.



Figure 308.3.12 Obstructed High Side Reach

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

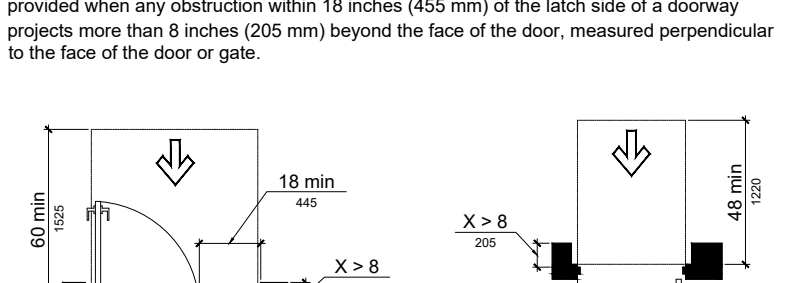


Figure 404.2.4.3 Recessed Doors and Gates

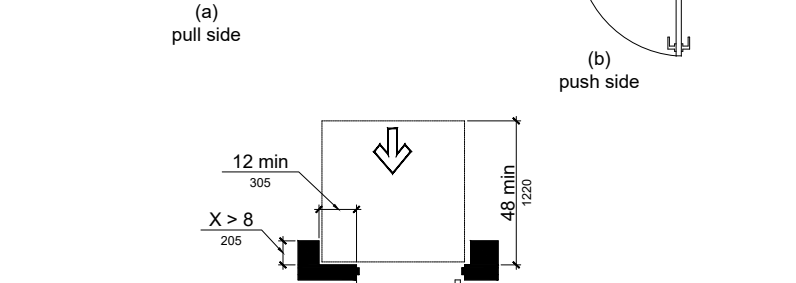


Figure 404.2.4.3 Recessed Doors and Gates

404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging into the space.

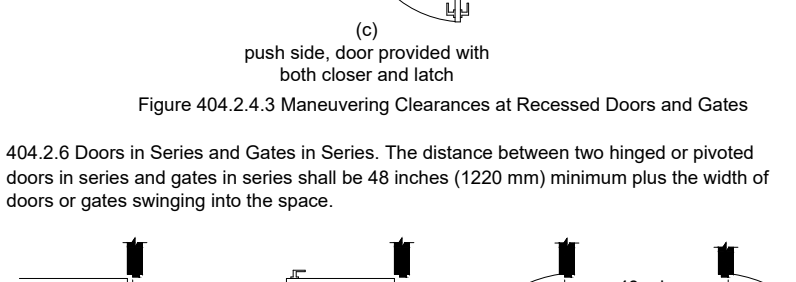


Figure 404.2.6 Doors in Series and Gates in Series

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

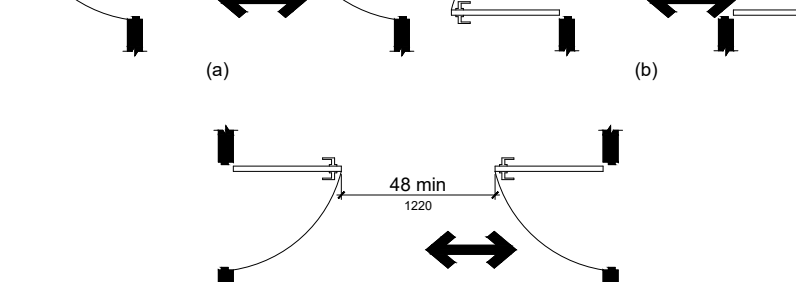


Figure 404.2.7 Door and Gate Hardware

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

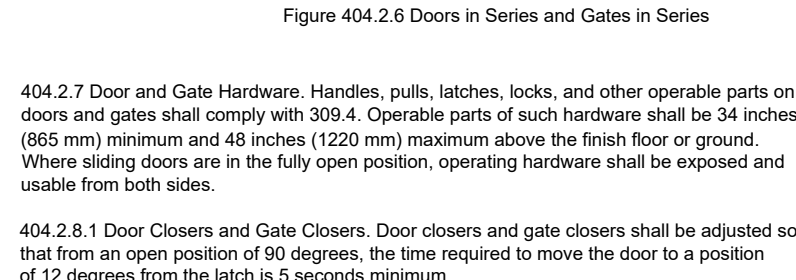


Figure 404.2.8.1 Door Closers and Gate Closers

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

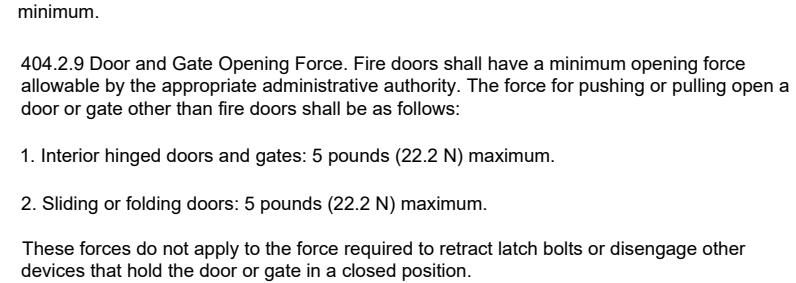


Figure 404.2.8.2 Spring Hinges

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.

2. Sliding or folding doors: 5 pounds (22.2 N) maximum.

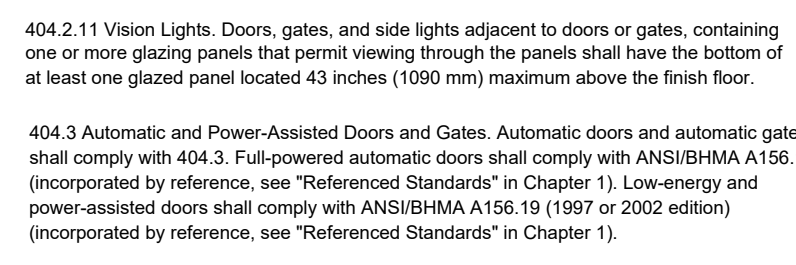
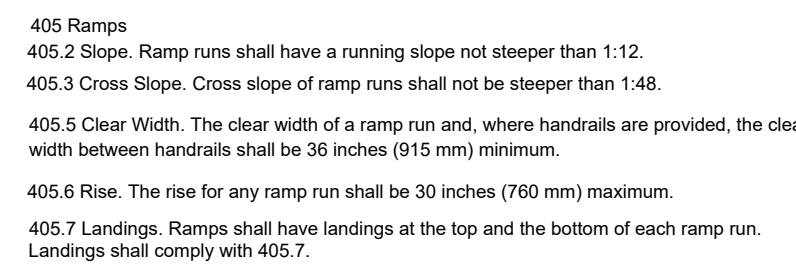


Figure 404.2.9 Door and Gate Opening Force

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1987 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.



607.4.1.1 Back Wall. Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and the other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be installed 15 inches (380 mm) maximum from the head end wall and 12 inches (305 mm) maximum from the control end wall.

607.4.1.2 Control End Wall. A grab bar 24 inches (610 mm) long minimum shall be installed on the control end wall at the front edge of the bathtub.

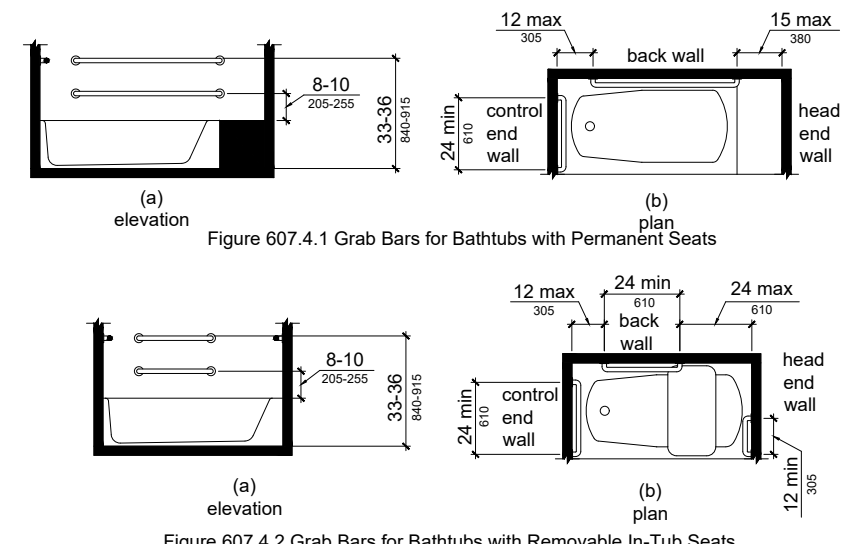


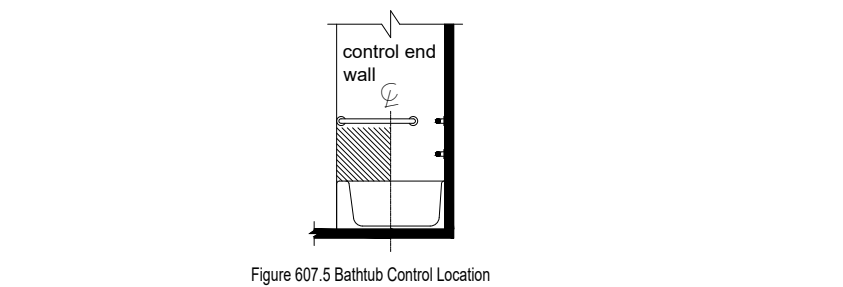
Figure 607.4.2 Grab Bars for Bathtubs with Removable In-Tub Seats. (a) Elevation view showing two grab bars on the back wall, one at 8-10 inches and one at 33-36 inches above the rim. (b) Plan view showing a grab bar on the control end wall, 24 inches long, and a grab bar on the head end wall, 12 inches long.

607.4.2 Bathtubs Without Permanent Seats. For bathtubs without permanent seats, grab bars shall comply with 607.4.2.

607.4.2.1 Back Wall. Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be 24 inches (610 mm) long minimum and shall be installed 24 inches (610 mm) maximum from the head end wall and 12 inches (305 mm) maximum from the control end wall.

607.4.2.2 Control End Wall. A grab bar 24 inches (610 mm) long minimum shall be installed on the control end wall at the front edge of the bathtub.

607.4.2.3 Head End Wall. A grab bar 12 inches (305 mm) long minimum shall be installed on the head end wall at the front edge of the bathtub.



607.5 Controls. Controls, other than drain stoppers, shall be located on an end wall. Controls shall be between the bathtub rim and grab bar, and between the open side of the bathtub and the centerline of the width of the bathtub. Controls shall comply with 309.4.

607.6 Shower Spray Unit and Water. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Bathtub shower spray units shall deliver water that is 120°F (49°C) maximum.

607.7 Bathtub Enclosures. Enclosures for bathtubs shall not obstruct controls, faucets, shower and spray units or obstruct transfer from wheelchairs onto bathtub seats or into bathtubs. Enclosures on bathtubs shall not have tracks installed on the rim of the open face of the bathtub.

608 Shower Compartments

608.2 Size and Clearances for Shower Compartments. Shower compartments shall have sizes and clearances complying with 608.2.

608.2.1 Transfer Type Shower Compartments. Transfer type shower compartments shall be 36 inches (915 mm) by 36 inches (915 mm) clear inside dimensions measured at the center points of opposing sides and shall have a 36 inch (915 mm) wide minimum entry on the face of the shower compartment. Clearance of 36 inches (915 mm) wide minimum by 48 inches (1220 mm) long minimum measured from the control wall shall be provided.

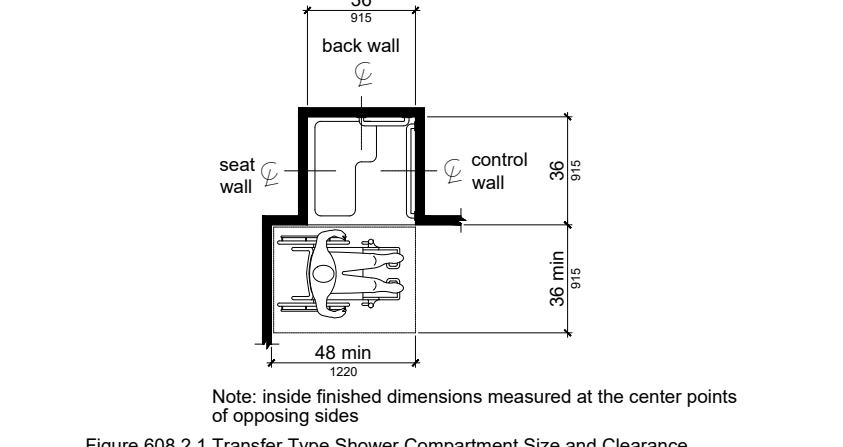


Figure 608.2.2 Standard Roll-In Type Shower Compartment Size and Clearance. (a) Elevation view showing a 36 inch wide minimum entry and a 48 inch long minimum. (b) Plan view showing a 36 inch wide minimum entry and a 48 inch long minimum.

608.2.2 Standard Roll-In Type Shower Compartments. Standard roll-in type shower compartments shall be 30 inches (760 mm) wide minimum by 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides and shall have a 60 inches (1525 mm) wide minimum entry on the face of the shower compartment.

608.2.2.1 Clearance. A 30 inch (760 mm) wide minimum by 60 inch (1525 mm) long minimum clearance shall be provided adjacent to the open face of the shower compartment.

608.2.2.2 Standard Roll-In Type Shower Compartments. Standard roll-in type shower compartments shall be 30 inches (760 mm) wide minimum by 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides and shall have a 60 inches (1525 mm) wide minimum entry on the face of the shower compartment.

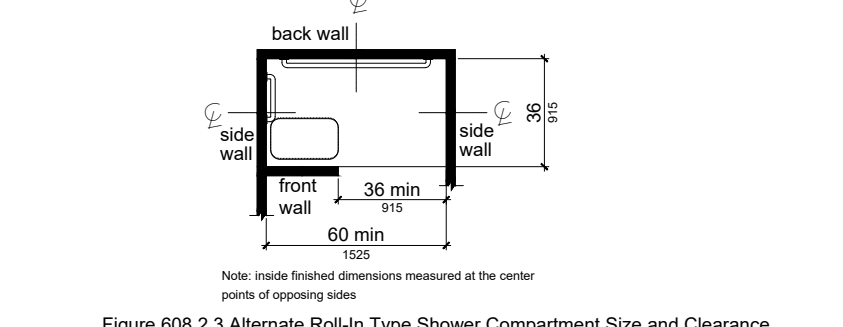


Figure 608.2.3 Alternate Roll-In Type Shower Compartment Size and Clearance. (a) Elevation view showing a 30 inch wide minimum entry and a 60 inch long minimum. (b) Plan view showing a 30 inch wide minimum entry and a 60 inch long minimum.

608.3 Grab Bars. Grab bars shall comply with 609 and shall be provided in accordance with 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the same height above the finish floor.

608.3.1 Transfer Type Shower Compartments. In transfer type shower compartments, grab bars shall be provided across the control wall and back wall to a point 18 inches (455 mm) from the control wall.

608.3.2 Standard Roll-In Type Shower Compartments. Where a seat is provided in standard roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall opposite the seat. Grab bars shall not be provided above the seat. Where a seat is not provided in standard roll-in type shower compartments, grab bars shall be provided on three walls. Grab bars shall be installed 6 inches (150 mm) maximum from adjacent walls.



Figure 608.3.2 Standard Roll-In Type Shower Compartments. (a) Elevation view showing grab bars on the back wall and side wall. (b) Plan view showing grab bars on the back wall and side wall.

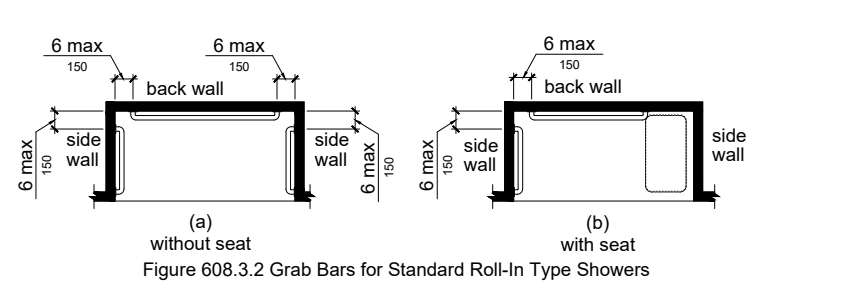


Figure 608.3.3 Alternate Roll-In Type Shower Compartments. (a) Elevation view showing grab bars on the back wall and side wall. (b) Plan view showing grab bars on the back wall and side wall.

608.3.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall farthest from the compartment entry. Grab bars shall not be provided above the seat. Grab bars shall be installed 6 inches (150 mm) maximum from adjacent walls.

608.4 Seats. A folding or non-folding seat shall be provided in transfer type shower compartments. A folding seat shall be provided in roll-in type showers required in transient lodging guest rooms with mobility features complying with 806.2. Seats shall comply with 610.608.5 Controls. Controls, faucets, and shower spray units shall comply with 309.4.

608.5.1 Transfer Type Shower Compartments. In transfer type shower compartments, the controls, faucets, and shower spray unit shall be installed on the side wall opposite the seat 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor and shall be located on the control wall 15 inches (380 mm) maximum from the centerline of the seat toward the shower opening.

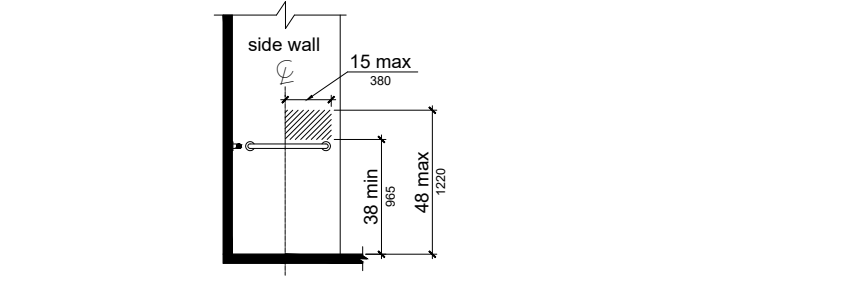


Figure 608.5.2 Standard Roll-In Type Shower Compartment Control Location. (a) Elevation view showing controls, faucets, and shower spray unit on the side wall. (b) Plan view showing controls, faucets, and shower spray unit on the side wall.

608.5.2 Standard Roll-In Type Shower Compartments. In standard roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be installed on the back wall adjacent to the seat wall and shall be located 27 inches (685 mm) maximum from the seat wall.

608.5.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be located on the side wall.

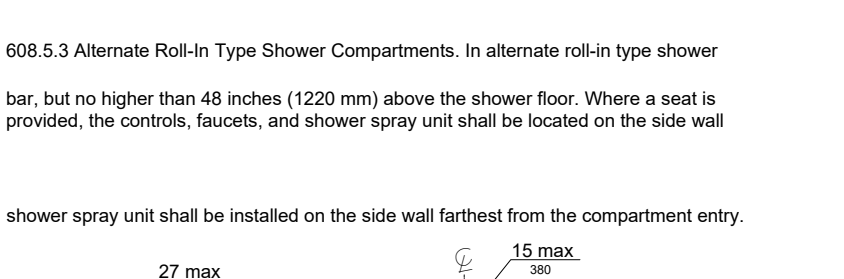


Figure 608.5.4 Alternate Roll-In Type Shower Compartment Control Location. (a) Elevation view showing controls, faucets, and shower spray unit on the side wall. (b) Plan view showing controls, faucets, and shower spray unit on the side wall.

608.5.4 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be located on the side wall.

608.5.5 Transfer Type Shower Compartments. In transfer type shower compartments, the controls, faucets, and shower spray unit shall be installed on the side wall opposite the seat 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor and shall be located on the control wall 15 inches (380 mm) maximum from the centerline of the seat toward the shower opening.

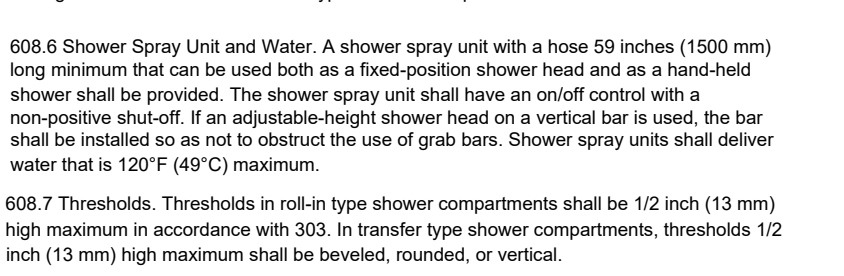


Figure 608.5.6 Standard Roll-In Type Shower Compartment Control Location. (a) Elevation view showing controls, faucets, and shower spray unit on the side wall. (b) Plan view showing controls, faucets, and shower spray unit on the side wall.

608.5.6 Standard Roll-In Type Shower Compartments. In standard roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be installed on the back wall adjacent to the seat wall and shall be located 27 inches (685 mm) maximum from the seat wall.

608.5.7 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be located on the side wall.

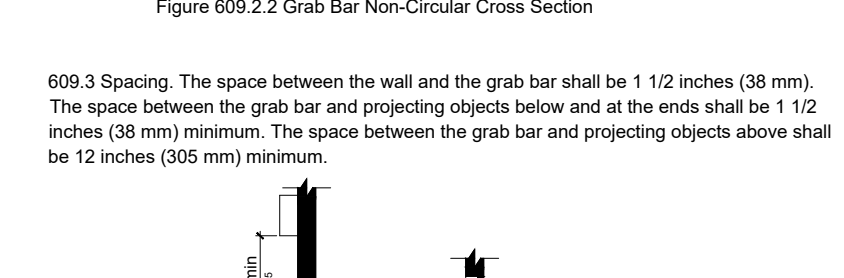


Figure 608.5.8 Standard Roll-In Type Shower Compartment Control Location. (a) Elevation view showing controls, faucets, and shower spray unit on the side wall. (b) Plan view showing controls, faucets, and shower spray unit on the side wall.

608.5.8 Standard Roll-In Type Shower Compartments. In standard roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be installed on the back wall adjacent to the seat wall and shall be located 27 inches (685 mm) maximum from the seat wall.

608.5.9 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be located on the side wall.



609.5 Surface Hazards. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation. Grab bars shall be installed in any manner that provides a gripping surface at the specified locations and that does not obstruct the required clear floor space.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (111.2 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.

610 Seats

610.2 Bathing Seats. The top of bathing seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. The depth of a removable in-tub seat shall be 15 inches (380 mm) minimum and 16 inches (405 mm) maximum. The seat shall be capable of secure placement. Permanent seats at the head end of the bathtub shall be 10 inches (380 mm) deep minimum and shall extend from the back wall to or beyond the outer edge of the bathtub.

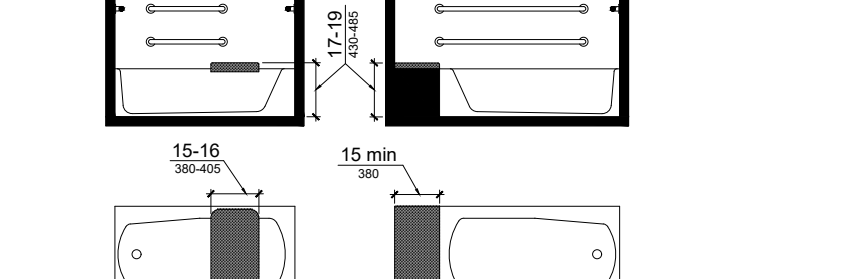


Figure 610.2 Bathing Seats. (a) Elevation view showing a bathing seat. (b) Plan view showing a bathing seat.

610.3 Shower Compartments. Where a seat is provided in a standard roll-in shower compartment, it shall be a folding type, shall be installed on the side wall adjacent to the controls, and shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. Where a seat is provided in an alternate roll-in type shower compartment, it shall be a folding type, shall be installed on the front wall opposite the back wall, and shall extend from the adjacent side wall to a point within 3 inches (75 mm) of the compartment entry. In transfer-type showers, the seat shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. The top of the seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. Seats shall comply with 610.3.1 or 610.3.2.

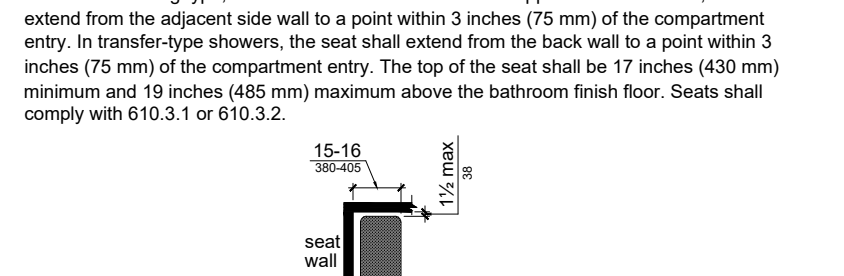


Figure 610.3.1 Rectangular Shower Seat. (a) Elevation view showing a rectangular shower seat. (b) Plan view showing a rectangular shower seat.

610.3.1 Rectangular Seats. The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches maximum (585 mm) from the main seat wall.

610.4 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (111.2 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

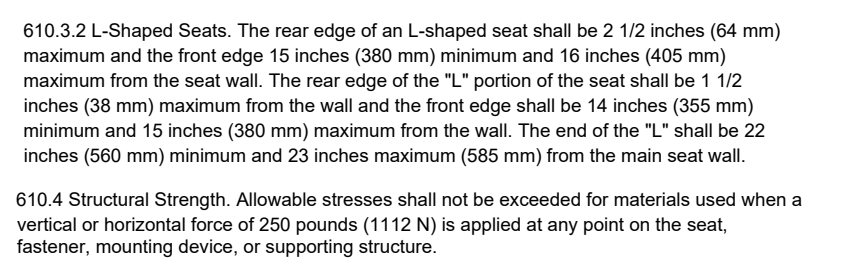


Figure 610.3.2 L-Shaped Shower Seat. (a) Elevation view showing an L-shaped shower seat. (b) Plan view showing an L-shaped shower seat.

610.3.2 L-Shaped Seats. The rear edge of an L-shaped seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches maximum (585 mm) from the main seat wall.

610.4 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (111.2 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

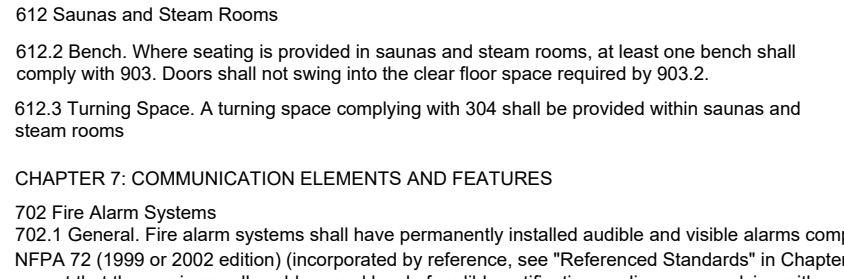


Figure 610.4 Structural Strength. (a) Elevation view showing a structural strength test. (b) Plan view showing a structural strength test.

611 Washing Machines and Clothes Dryers

611.2 Clear Floor Space. A clear floor or ground space complying with 305 positioned for parallel approach shall be provided. The clear floor or ground space shall be on the appliance.

611.3 Operable Parts. Operable parts, including doors, lint screens, and detergent and bleach compartments shall comply with 309.

611.4 Height. Top loading machines shall have the door to the laundry compartment located 36 inches (915 mm) maximum above the finish floor. Front loading machines shall have the bottom of the opening to the laundry compartment located 15 inches (380 mm) minimum and 36 inches (915 mm) maximum above the finish floor.

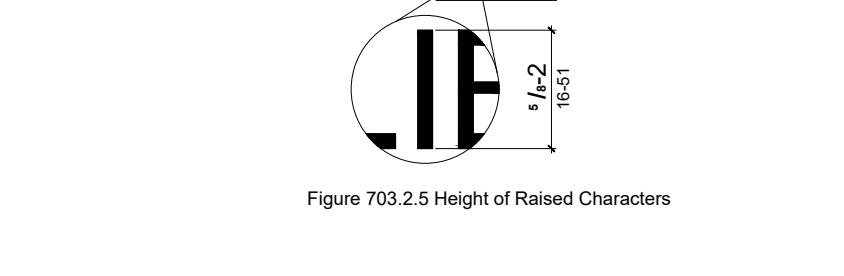


Figure 611.4 Height of Laundry Compartment Opening. (a) Elevation view showing a laundry compartment opening. (b) Plan view showing a laundry compartment opening.

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "T" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/16 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

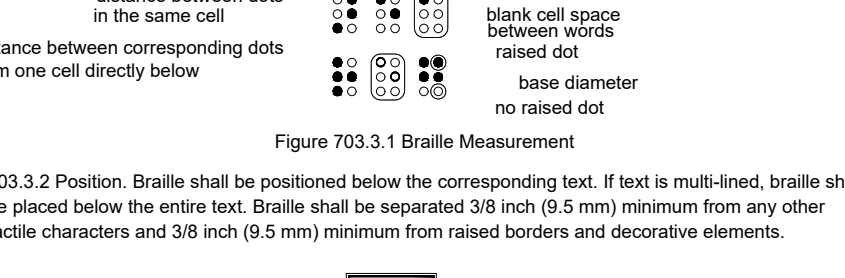


Figure 703.3.1 Braille Measurement. (a) Elevation view showing Braille dots. (b) Plan view showing Braille dots.

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) maximum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 38 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

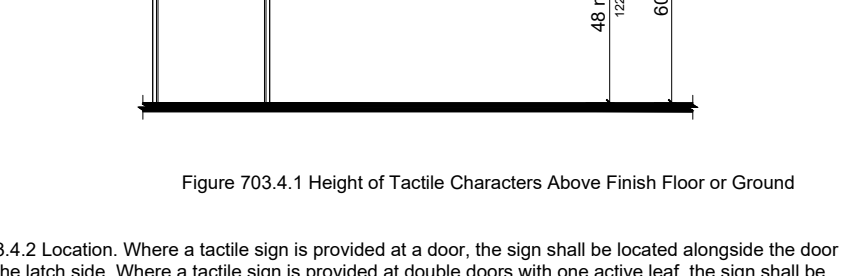


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground. (a) Elevation view showing tactile characters on a sign. (b) Plan view showing tactile characters on a sign.

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leaves, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

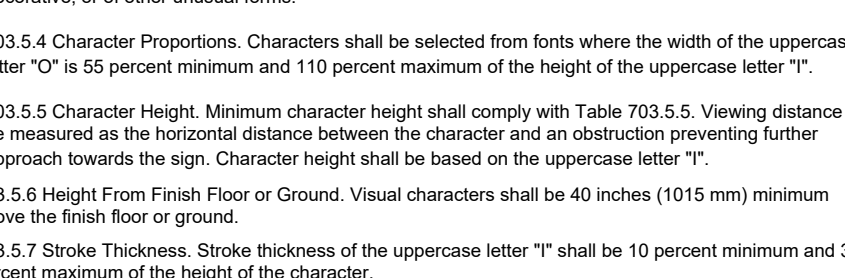


Figure 703.4.2 Location of Tactile Signs at Doors. (a) Elevation view showing a tactile sign at a door. (b) Plan view showing a tactile sign at a door.

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "T".

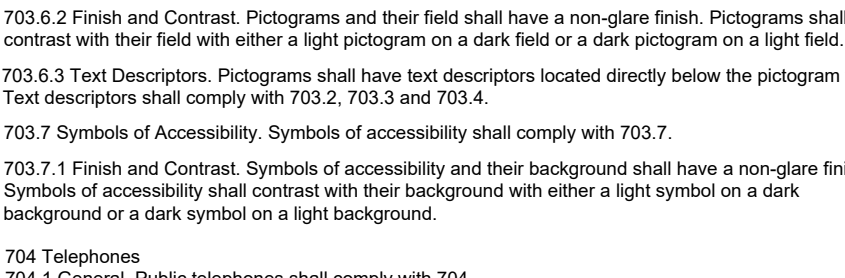


Figure 703.5.4 Character Proportions. (a) Elevation view showing character proportions. (b) Plan view showing character proportions.

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "T".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "T" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.



Figure 703.5.8 Character Spacing. (a) Elevation view showing character spacing. (b) Plan view showing character spacing.

704.2.1.2 Forward Approach. Where a forward approach is provided, the distance from the front edge of a counter within the telephone enclosure to the face of the telephone unit shall be 20 inches (510 mm) maximum.

704.2.2 Operable Parts. Operable parts shall comply with 309. Telephones shall have push-button controls where such service is available.

704.2.3 Telephone Directories. Telephone directories, where provided, shall be located in accordance with 309.

704.2.4 Cord Length. The cord from the telephone to the handset shall be 29 inches (735 mm) long minimum.

704.3 Volume Control Telephones. Public telephones required to have volume controls shall be equipped with a receive volume control that provides a gain adjustable up to 20 dB minimum. For incremental volume control, provide at least one intermediate step of 12 dB of gain minimum. An automatic reset shall be provided.

704.4 TTYs. TTYs required at a public pay telephone shall be permanently affixed within, or adjacent to, the telephone enclosure. Where an acoustic coupler is used, the telephone cord shall be sufficiently long to allow connection of the TTY and the telephone receiver.

704.4.1 Height. When in use, the touch surface of TTY keypads shall be 34 inches (865 mm) minimum above the finish floor.

704.5 TTY Shelf. Public pay telephones required to accommodate portable TTYs shall be equipped with a shelf and an electrical outlet within or adjacent to the telephone enclosure. The telephone handset shall be capable of being placed flush on the surface of the shelf. The shelf shall be capable of accommodating a TTY and shall have 6 inches (150 mm) minimum vertical clearance above the area where the TTY is to be placed.

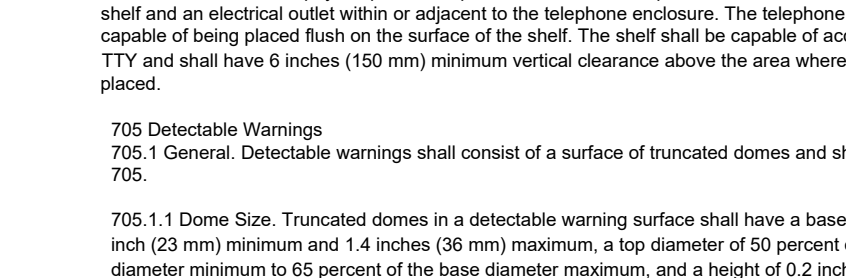


Figure 704.5 TTY Shelf. (a) Elevation view showing a TTY shelf. (b) Plan view showing a TTY shelf.

705 Detectable Warnings

705.1 General. Detectable warnings shall consist of a surface of truncated domes and shall comply with 705.

705.1.1 Dome Size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5.1 mm).

705.1.2 Dome Spacing. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches (41 mm) minimum and 2.4 inches (61 mm) maximum, and a base-to-base spacing of 0.16 inch (1.7 mm) minimum, measured between the most adjacent domes on a square grid.

705.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.

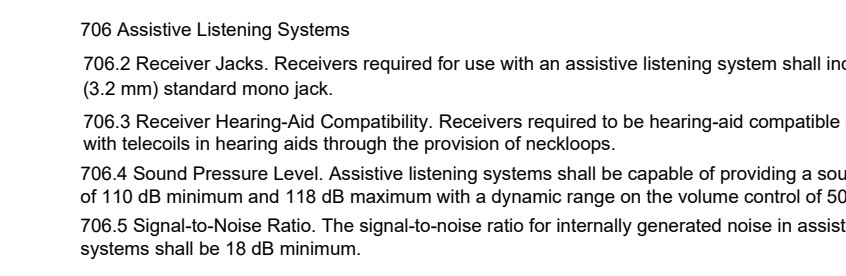


Figure 705.1 Size and Spacing of Truncated Domes. (a) Elevation view showing truncated domes. (b) Plan view showing truncated domes.

705.2 Platform Edges. Detectable warning surfaces at platform boarding edges shall be 24 inches (610 mm) wide and shall extend the full length of the public use areas of the platform.

706 Assistive Listening Systems

706.2 Receiver Jacks. Receivers required for use with an assistive listening system shall include a 1/8 inch (3.2 mm) standard mono jack.

706.3 Receiver Hearing-Aid Compatibility. Receivers required to be hearing-aid compatible shall interface with telecoils in hearing aids through the provision of neckloops.

706.4 Sound Pressure Level. Assistive listening systems shall be capable of providing a sound pressure level of 110 dB minimum and 118 dB maximum with a dynamic range on the volume control of 50 dB.

706.5 Signal-to-Noise Ratio. The signal-to-noise ratio for internally generated noise in assistive listening systems shall be 18 dB minimum.

706.6 Peak Clipping Level. Peak clipping shall not exceed 18 dB of clipping relative to the peaks of speech.

707 Automatic Teller Machines and Fare Machines

707.2 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided.

707.3 Operable Parts. Operable parts shall comply with 309. Unless a clear or correct key is provided, each operable part shall be able to be differentiated by sound or touch, without activation.

EXCEPTION: Drive-up only automatic teller machines and fare machines shall not be required to comply with 309.2 and 309.3.

707.4 Privacy. Automatic teller machines shall provide the opportunity for the same degree of privacy of input and output available to all individuals.

707.5 Speech Output. Machines shall be speech enabled. Operating instructions and orientation, visible transaction prompts, user input verification, error messages, and all displayed information for full use shall be accessible to and independently usable by individuals with vision impairments. Speech shall be delivered through a mechanism that is readily available to all users, including but not limited to, an industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or synthesized.

707.5.1 User Control. Speech shall be capable of being repeated or interrupted. Volume control shall be provided for the speech function.

707.5.2 Receipts. Where receipts are provided, speech output devices shall provide audible balance inquiry information, error messages, and all other information on the printed receipt necessary to complete or verify the transaction.

707.6 Input. Input devices shall comply with 707.6.

707.6.1 Input Controls. At least one tactically discernible input control shall be provided for each function. Where provided, key surfaces not on active areas of display screens, shall be raised above surrounding surfaces. Where membrane keys are the only method of input, each shall be tactically discernible from surrounding surfaces and adjacent keys.

707.6.2 Numeric Keys. Numeric keys shall be arranged in a 12-key ascending or descending telephone keypad layout. The number five key shall be tactically distinct from the other keys.

707.6.3 Contrast. Function keys shall contrast visually from background surfaces. Characters and symbols on key surfaces shall contrast visually from key surfaces. Visual contrast shall be either light-on-dark or dark-on-light.

707.6.3.2 Tactile Symbols. Function key surfaces shall have tactile symbols as follows: Enter or Proceed key: raised circle. Clear or Correct key: raised left arrow. Cancel key: raised letter 'ex'. Add Value key: raised plus sign. Decrease Value key: raised minus sign.

707.7.1 Visibility. The display screen shall be visible from a point located 40 inches (1015 mm) above the center of the clear floor space in front of the machine.

707.7.2 Characters. Characters displayed on the screen shall be in a sans serif font. Characters shall be 3/16 inch (4.8 mm) high minimum based on the uppercase letter "T". Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

707.8 Braille Instructions. Braille instructions for initiating the speech mode shall be provided. Braille shall comply with 703.3.

708 Two-Way Communication Systems

708.1 General. Two-way communication systems shall comply with 708.

708.2 Audible and Visual Indicators. The system shall provide both audible and visual signals.

708.3 Handsets. Handset cords, if provided, shall be 29 inches (735 mm) long minimum.

708.4 Residential Dwelling Unit Communication Systems. Communications systems between a residential dwelling unit and a site, building, or floor entrance shall comply with 708.4.

708.4.1 Common Use or Public Use System Interface. The common use or public use system interface shall include the capability of supporting voice and TTY communication with the residential dwelling unit interface.

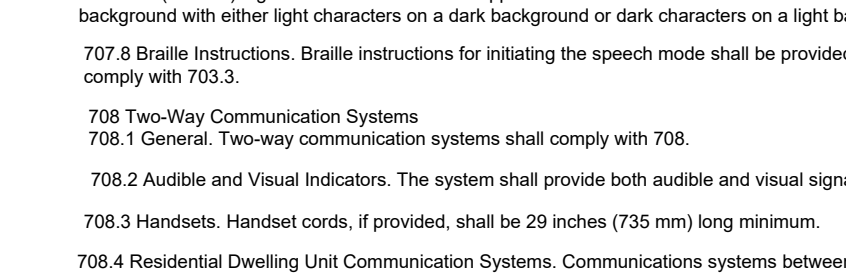


Figure 707.7.1 Visibility. (a) Elevation view showing a display screen. (b) Plan view showing a display screen.

707.7.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field.

707.7.4 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

707.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

704 Telephones

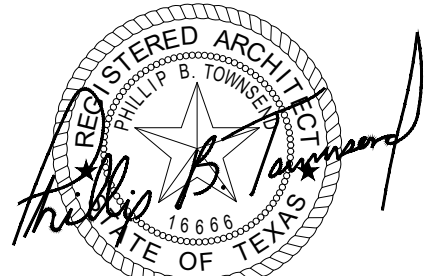
704.1 General. Public telephones shall comply with 704.

704.2 Wheelchair Accessible Telephones. Wheelchair accessible telephones shall comply with 704.2.

704.2.1 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided. The clear floor or ground space shall not be obstructed by bases, enclosures, or seats.



Figure 704.2.1 Clear Floor or Ground Space. (a) Elevation view showing a clear floor or ground space. (b) Plan view showing a clear floor or ground space.



Date of Issue for Review Only
NOT for Regulatory Approval
Permitting or Construction

7/25/2022

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I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF TEXAS SIGNIFIED BY MY HAND AND SEAL.

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Matthew 7.7
Rom 1:16 1 Cor 15:14 Rom 6:36

Phillip B. Townsend, R.A.
Architect, Interior Design, Programmer,
Planner, Building Code Consultant
4613 Misty Valley West
Wichita Falls, Texas 76310
940-642-0590
Email: pb@wfr.net

A White Box Renovation
for
713 Indiana, LLC
713 Indiana
Wichita Falls, TX

Job No.

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30 of 30