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ABBREVIATIONS		GENERAL NOTES		SYMBOL LEGEND		PROJECT INFORMATION		SHEET INDEX				
(NOT ALL ABBREVIATIONS MAY BE USED IN THIS DOCUMENT)												
A.B.	ANCHOR BOLT	L	ANGLE	<div><div><div><div><div><div>X*</div><div>AX</div><div>Q</div></div></div><div><div>ELEVATION DESIGNATION</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>X*</div><div>AX</div><div>Q</div></div></div><div><div>SECTION DESIGNATION</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>X*</div><div>AX</div><div>Q</div></div></div><div><div>INTERIOR ELEVATION IDENTIFICATION</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>10</div><div>Q</div><div>W</div></div></div><div><div>GRID LINE IDENTIFICATION</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>ACT</div><div>+</div><div>10-0-0</div></div></div><div><div>CEILING IDENTIFICATION</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>ROOM IDENTIFICATION</div><div>(E) CUSTOMER</div><div>LOBBY</div><div>CPT-1</div><div>B-1</div></div></div><div><div>ROOM NAME</div><div>MATERIAL FINISH</div><div>WALL BASE FINISH</div></div></div></div></div></div><div><div><div><div><div><div>X*</div><div>AX</div><div>Q</div></div></div><div><div>ENLARGED DETAIL IDENTIFICATION</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>X*</div><div>AX</div><div>Q</div></div></div><div><div>SECTION DETAIL IDENTIFICATION</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>X*</div><div>AX</div><div>Q</div></div></div><div><div>ELEVATION REFERENCE IDENTIFICATION</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>0'-0"</div><div>FINISH FLOOR</div><div>SECTION / ELEVATION / FLOOR DATUM</div></div></div><div><div>PROJECT REFERENCE</div><div>SHEET REFERENCE NO.</div></div></div><div><div><div><div><div><div>101</div><div>DOOR NUMBER</div></div></div><div><div><div><div><div>101</div><div>WINDOW NUMBER</div></div></div><div><div><div><div><div>P-2</div><div>MATERIAL NAME / FINISH NAME</div></div></div><div><div><div><div><div>W-1</div><div>WALL TYPE</div></div></div><div><div><div><div><div>F-1</div><div>FIXTURE / EQUIPMENT TYPE</div></div></div><div><div><div><div><div>AP-1</div><div>GRAPHIC NAME</div></div></div><div><div><div><div><div>FDXSXX-1</div><div>PROJECT ANNOTATION IDENTIFICATION</div></div></div><div><div><div><div><div>REVISION / ADDENDUM NUMBER</div><div>KEYNOTE NUMBER</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div> </								

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INTERIOR TENANT IMPROVEMENT

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TITLE SHEET, PROJECT INFORMATION
AND GENERAL NOTES

PROJECT LOCATION

SHEET TITLE

STAMP

STATE OF MISSOURI

WILLIAM A. AMOR

NUMBER A-2012004034

ARCHITECT

DATE SIGNED: 2020-04-13
RENEWAL DATE: 2020-12-31
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DATE
2020.04.13

PROJECT NUMBER
A2276

SHEET NUMBER

T1.1

1 CODES

2. PERMITS

3. CONSTRUCTION DOCUMENTS

4. BIDS

5. CONTRACTOR

A. PRIOR TO COMMENCING THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW ALL

G. PROVIDE ALL NECESSARY BACKING AND FRAMING FOR ALL WALL MOUNTED ITEMS, LIGHT FIXTURES AND ALL OTHER ITEMS REQUIRED.

B. THE ARCHITE

7. INTENTION
UNLESS NOTED OTHERWISE, THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT & TRANSPORTATION NECESSARY FOR COMPLETE AND PROPER EXECUTION OF THE WORK

10. SCOPE
ALL TRADES SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND PERFORM ALL WORK NECESSARY. REASONABLY INFERRED OR REQUIRED BY ANY CODE OR REGULATION ADOPTED BY LOCAL JURISDICTION, TO COMPLETE THEIR SCOPE OF WORK FOR A COMPLETE AND PROPERLY FINISHED JOB.

12. CLEANING
THE CONTRACTOR SHALL CLEANUP, REMOVE AND RECYCLE IN A LEGAL MANNER AND NOT DISPOSE IN LANDFILL ALL DEBRIS AND WASTE ATTRIBUTED TO THE JOB.

13. (AS-BUILT) DRAWINGS
GENERAL CONTRACTOR TO KEEP AN ACCURATE RECORD OF CHANGES IN FIELD AND SUBMIT A COMPLETE SET OF AS-BUILT DRAWINGS TO THE ARCHITECT FOR HIS / HER REVIEW AND TO THE OWNER. FOREMAN TO HAVE AN ACCURATE FLOOR PLAN AND PROJECT SCHEDULE ON-SITE AT ALL TIMES.

2. ARCHITECTURE

- ## CABINET WORK

- ELECTRICAL** - IN ACCORDANCE TO DETAIL 12 / T1.3

HAZARDS AND PROTRUDING OBJECTS - IN ACCORDANCE TO DETAIL 8 / T1.3

6. CONTRACTOR TO CONTACT ARCHITECT IF ROOF PENETRATIONS ARE DEEMED NECESSARY. ANY ROOF PENETRATIONS MUST BE COMPLETED BY LANDLORD APPROVED ROOFING CONTRACTOR.

THE G.C. MUST PROVIDE ANY AND ALL REQUIRED J-BOXES AS WELL AS ACCESS PANELS TO ALL SIGNAGE AS NECESSARY. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH ITS SIGN CONTRACTOR AND MAKING SURE THE JOB IS DONE ON TIME. FULLY DETAILED SHOP DRAWINGS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW. THESE ARCHITECTURAL PLANS ONLY SHOW LIMITED DESIGN DETAILS AND ARE NOT ADEQUATE FOR CONSTRUCTION OF THE SIGN. SEE SIGN SHOP DRAWINGS. SIGN DRAWINGS WILL BE PREPARED BY OTHERS AND ARE UNDER SEPARATE PERMIT.

2. BARRIER LAWS FOR THE PHYSICALLY HANDICAPPED ARE MINIMUM GUIDELINES. SHOULD THERE BE A CONFLICT BETWEEN THESE MINIMUM REQUIREMENTS AND WHAT IS CALLED FOR ON THE DRAWINGS, THE CONTRACTOR IS TO INFORM THE ARCHITECT FOR WRITTEN AND/OR GRAPHIC CLARIFICATION PRIOR TO PROCEEDING WITH WORK SO AFFECTED.

FIRE SPRINKLER SYSTEM (WHERE APPLIES)
IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY IF THE EXISTING FIRE SPRINKLER SYSTEM NEEDS TO BE MODIFIED IN ORDER TO ACCOMMODATE THE RENOVATION SPACE. THIS INCLUDES ALL AFFECTED AREAS TO INCLUDE MAIN LOBBY AND ADJACENT ROOMS. IF REQUIRED, THE CONTRACTOR MUST SUBMIT FIRE SPRINKLER SHOP DRAWINGS AND OBTAIN A FIRE SPRINKLER PERMIT FROM THE LOCAL FIRE DEPARTMENT AND / OR BUILDING DEPARTMENT. ALL COSTS AND FEES SHOULD BE INCLUDED IN THE CONTRACTOR'S SUBMITTAL PROPOSAL. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AN INSPECTION FOR APPROVAL AND SIGN-OFF FOR THE MODIFIED FIRE SPRINKLER SYSTEM BY THE FIRE DEPARTMENT AND BUILDING INSPECTOR.

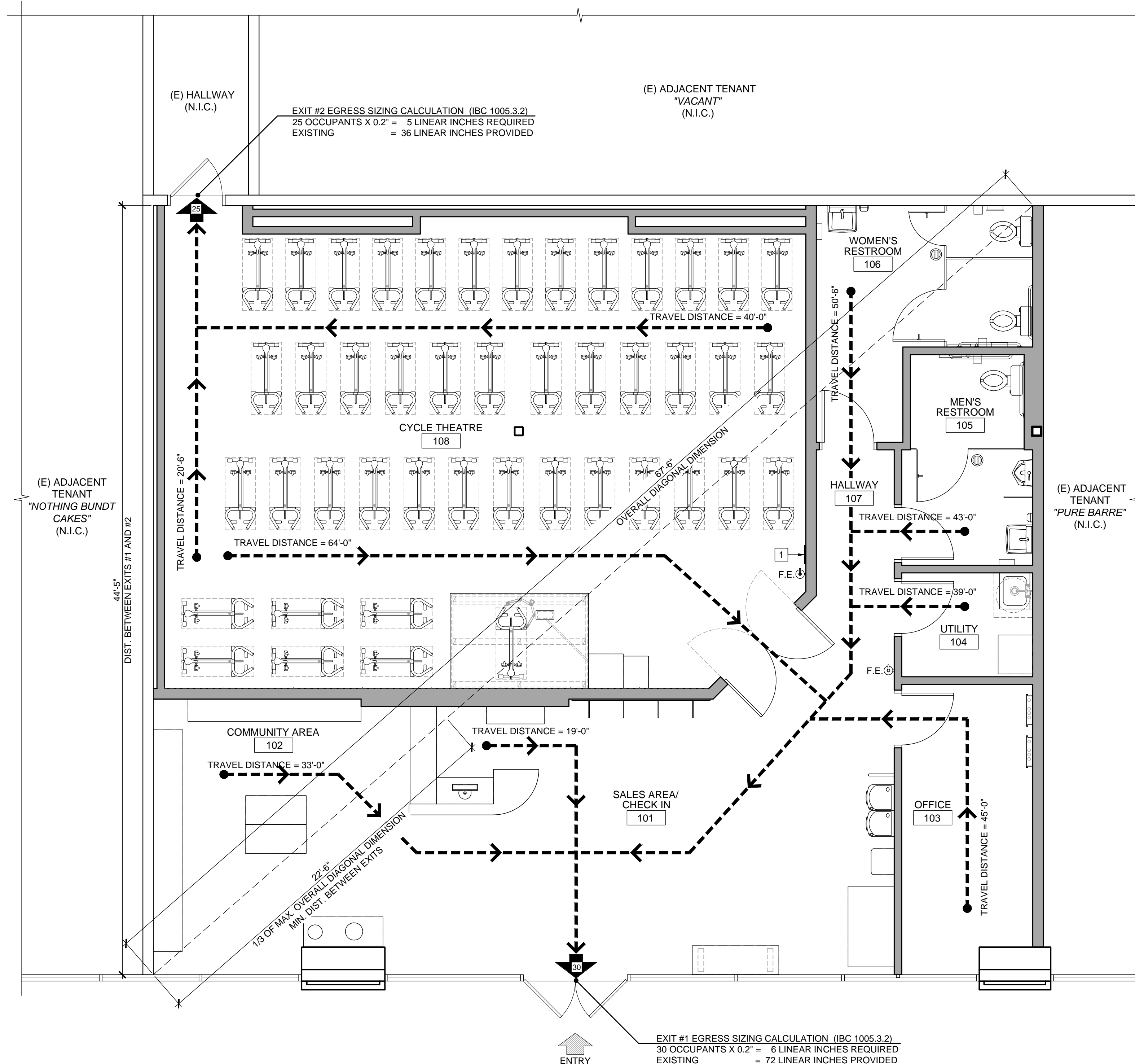
PLUMBING (WHERE APPLIES)
GENERAL CONTRACTOR TO PERFORM A LINE JETTING OF ALL PLUMBING LINES AFTER NEW WORK IS COMPLETE. GENERAL CONTRACTOR MUST SUPPLY CERTIFICATE OF INVOICE WITH CLOSE OUT PACKAGE.

17. IF REQUIRED BY LOCAL JURISDICTION - SPRINKLER, LIFE SAFETY, AND FIRE ALARM SYSTEMS ARE TO BE DESIGNED AND SUBMITTED FOR REVIEW AND APPROVAL BY LOCALLY LICENSED DESIGN PROFESSIONAL. THE DESIGN OF ALL SYSTEM(S) MUST COMPLY TO ALL FEDERAL, NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES.
18. EXISTING ENERGY MANAGEMENT SYSTEM (VERIFY IN FIELD) TO REMAIN IN STORE AND BE FULLY FUNCTIONAL AND OPERATIONAL AT COMPLETION OF REMODEL PROJECT.

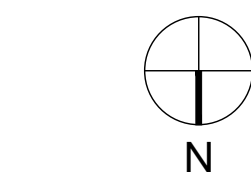
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<p>CLIENT</p>  <p>CYCLEBAR</p> <p>910-W NORTHWEST BLUE PARKWAY, LEE'S SUMMIT, MO 64086 rachel.hilton@cyclebar.com</p>															
<p>CONSULTANT</p>															
<p>PROJECT LOCATION</p> <p>CYCLEBAR INTERIOR TENANT IMPROVEMENT</p> <p>910-W NORTHWEST BLUE PARKWAY, LEE'S SUMMIT, MO 64086</p>	<p>SHEET TITLE</p> <p>GENERAL CONSTRUCTION NOTES & RESPONSIBILITY MATRIX</p>														
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<p>DATE 2020.04.13</p> <p>PROJECT NUMBER A2276</p>															
<p>SHEET NUMBER</p> <p>T1.2</p>															

Plotted: 4/13/2020 2:30 PM (treadmill) File: 04_a2276_0-1 life safety plan.dwg

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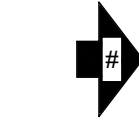
LIFE SAFETY PLAN



SCALE
1/4" = 1'-0"

8

LEGEND



NUMBER OF PEOPLE EXITING

PER IBC 2015 & AMENDMENTS, SECTION AND TABLE 1006.2.1
MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE WITH
SPRINKLER SYSTEM IS 75 FEET.

SEE PLAN FOR TRAVEL DISTANCE ON EACH AREA
MAXIMUM EXIT ACCESS TRAVEL DISTANCE IS 250 FT WITH
SPRINKLER

ANSUL FIRE EXTINGUISHER WILL BE SERVICED EVERY SIX (6)
MONTHS.



CLASS A FIRE EXTINGUISHER REQUIRED:
- ORDINARY HAZARD OCCUPANCY.
- 2-A RATED SINGLE EXTINGUISHER - THE MAXIMUM TRAVEL
DISTANCE TO EXTINGUISHER IS 75 FEET PER IFC TABLE 906.3(1)

- TO BE MOUNTED AT 4'-0" HIGH FROM FINISH FLOOR TO HANDLE
OF FIRE EXTINGUISHER

OCCUPANT LOAD CALCULATION

ROOM NO.	ROOM NAME	AREA (SF)	FACTOR	OCCUPANT
101	SALES AREA / CHECK-IN	229 S.F.	100	3
102	COMMUNITY AREA	369 S.F.	100	4
103	OFFICE	122 S.F.	100	2
104	UTILITY	45 S.F.	300	1
105	MEN'S RESTROOM	87 S.F.	-	-
106	WOMEN'S RESTROOM	130 S.F.	-	-
107	HALLWAY	83 S.F.	-	-
108	CYCLE THEATER	976 S.F.	50	
ACTUAL NUMBER OF OCCUPANTS (# OF BIKES)				45
NET AREA TOTAL:		2,041 S.F.		
GROSS LEASEABLE AREA TOTAL (INCLUDING WALLS):		2,315 S.F.		
TOTAL OCCUPANTS				55

EXITING ANALYSIS

SECTION 1007 EXIT AND EXIT ACCESS DOORWAY CONFIGURATION

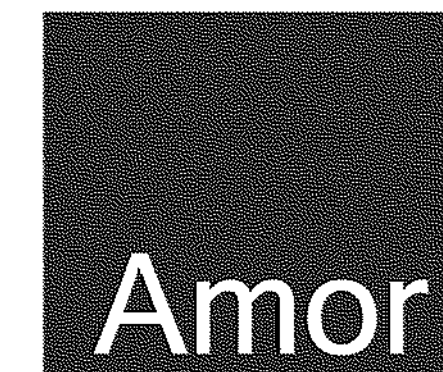
PER IBC 2015, 1007.1.1 EXCEPTION #2
WHERE A BUILDING IS EQUIPPED IN ACCORDANCE WITH AUTOMATIC SPRINKLER SYSTEM,
EXIT DOOR SEPARATION DISTANCE SHALL NOT BE LESS THAN 1/3 OF THE LENGTH OF THE MAX.
OVERALL DIAGONAL DIMENSION.

1/3 OF 67'-6" = 22'-6" MIN. DISTANCE BETWEEN EXITS REQUIRED

EXISTING DISTANCE BETWEEN TWO EXITS IS 44'-5" - COMPLIANCE

KEYNOTES

1 (N) MAX. OCCUPANCY SIGN PER 3 T1.3



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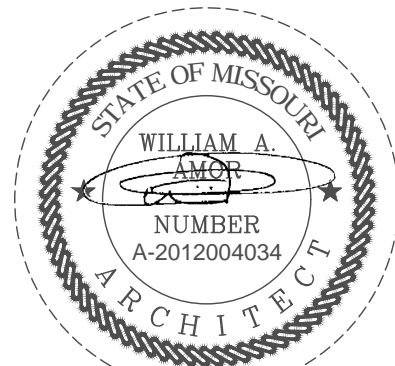
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LIFE SAFETY PLAN

PROJECT
LOCATION

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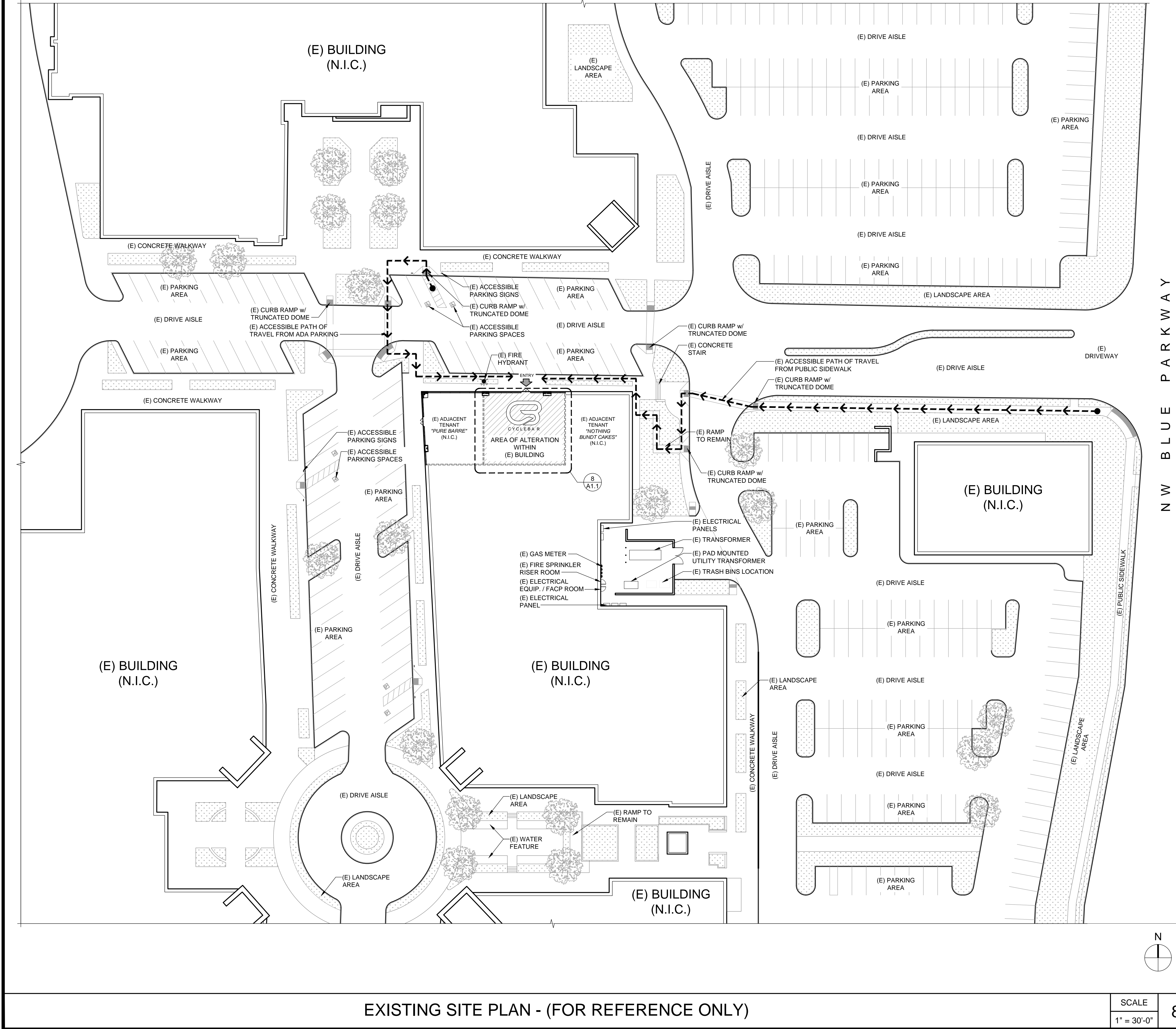
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T2.1

PERMIT SET: 2020_04_13

PERMIT NO.: PRCOM20200716

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EXISTING SITE PLAN - (FOR REFERENCE ONLY)

SCALE
1" = 30'-0"

8

GENERAL NOTES

1. GENERAL (E) SURFACE DRAINAGE PATTERN, INCLUDING (E) ROOF DRAINAGE LOAD TRANSFERRED TO GROUND LEVEL, IS TO REMAIN AS IS.
2. THIS IS A CONCEPTUAL SITE PLAN. UNLESS OTHERWISE NOTED, ALL ELEMENTS AND CONDITIONS ARE EXISTING.
3. VEHICULAR ACCESS DRIVES MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
4. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS AND TRAFFIC CONES PER LOCAL REQUIREMENTS. ACCESS TO DRIVEWAYS TO BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY.
5. ALL MATERIALS AND WORKMANSHIP FOR PUBLIC FACILITIES TO CONFORM TO CITY STANDARD CONSTRUCTION SPECIFICATIONS.
6. CONTRACTOR SHALL SWEEP ENTIRE SITE OR PORTIONS OF SITE TO BE USED BY THE PUBLIC AND SURROUNDING RIGHT-OF-WAY AREA OF THE STREET PRIOR TO USE BY THE GENERAL PUBLIC.
7. THE SITE SHALL BE KEPT FREE OF FIRE HAZARDS FROM THE START OF CONSTRUCTION TO FINAL INSPECTION.
8. THE G.C. SHALL IMPLEMENT A BEST MANAGEMENT PRACTICE STORMWATER FOR ALL ACTIVITIES PER LOCAL REQUIREMENTS.
9. THE G.C. IS RESPONSIBLE TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO PERFORMING EXTERIOR WORK. CALL 811 BEFORE DIGGING.
10. G.C. TO VERIFY ANY ABRUPT CHANGE IN LEVEL EXCEEDING 1/2' EXISTING CONCRETE SLAB/ASPHALT TRANSITION FROM ENTRY TO PUBLIC WAY/ ACCESS. G.C. TO PROVIDE CLEAR PATH OF TRAVEL, OR PER LOCAL ORDINANCES.
11. SITE & PARKING ARE EXISTING TO REMAIN UNCHANGED.
12. NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY, CONTRASTING WITH THEIR BACKGROUND, PER LOCAL ORDINANCES.
13. THE G.C. IS RESPONSIBLE TO FIELD VERIFY AND LOCATE ALL WET AND DRY UTILITIES CONNECTION POINTS PRIOR TO ANY DEMOLITION OR CONSTRUCTION. (I.E. GAS, WATER AND SEWER, CLEAN OUTS, ETC.
14. GENERAL CONTRACTOR SHALL REDUCE CONSTRUCTION WASTE AS REQUIRED BY LOCAL REQUIREMENT.

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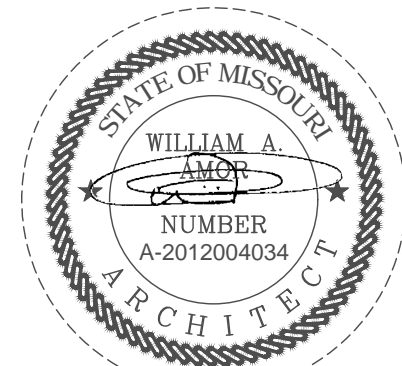
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EXISTING SITE PLAN
(FOR REFERENCE ONLY)

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AS1.1

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GENERAL NOTES

- SEE REFLECTED CEILING PLAN FOR SOFFIT AND LIGHTING INFORMATION.
- NOTIFY ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES OR DISCREPANCIES WITH PLANS IN RELATION TO EXISTING FIELD CONDITIONS.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE ON THE CONSTRUCTION DOCUMENTS. DO NOT EVER SCALE DRAWINGS.
- DIMENSIONS ARE FROM THE FACE OF FINISHED WALL (GWB) TO FACE OF FINISHED WALL (GWB), UNLESS OTHERWISE NOTED ON PLANS.
- ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS AND/OR INSTRUCTIONS.
- ALL WORK SHALL BE EXECUTED IN A MANNER ACCEPTABLE TO THE ARCHITECT, OWNER, AND LANDLORD UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR SHALL PROVIDE AND PAY ALL LABOR, MATERIALS EQUIPMENTS, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, TRANSPORTATION AND OTHER SERVICES AND FACILITIES NECESSARY FOR PROPER AND TIMELY EXECUTION OF WORK.
- THE CONTRACTOR WARRANT TO THE OWNER AND TO THE ARCHITECT THAT ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT ARE NEW UNLESS OTHERWISE SPECIFIED, AND THAT ALL WORKS SHALL BE AS SPECIFIED AND FREE OF DEFECTS.
- ALL OUTSIDE CORNERS AT DRYWALL PARTITION AND FURRING TO HAVE METAL CORNER BEADS SPACKLE AND SMOOTH.
- PROVIDE DIAGONAL BRACING TO STRUCTURE ABOVE ALL NEW DOORS, GLAZING HEADS AND JAMBS AS REQUIRED TO MAKE ASSEMBLY RIGID.
- THE GENERAL CONTRACTOR (G.C.) IS RESPONSIBLE FOR THE FINAL CLEAN UP OF THE AREA OF WORK AND AREA AFFECTED BY CONSTRUCTION, TO INCLUDE BUT NOT LIMITED TO FLOORS, MILLWORK, FIXTURES, ETC. FOLLOWING THE INSTALLATION OF THE MILLWORK.
- THE GENERAL CONTRACTOR SHALL COORDINATE THE LOCATIONS FOR THE WALL MOUNTED TELEVISIONS AND GRAPHIC SIGNAGE TO PROVIDE BLOCKING FOR MOUNTING.
- ALL WET / PLUMBING WALLS ARE TO BE PROVIDED W/ MOISTURE RESISTANT GYPSUM BOARD. PROVIDE CEMENT BACKER BOARD WHEN TILE IS IN USED.
- ALL PLUMBING WALLS ARE TO BE 6" METAL STUD FRAMING. PROVIDE REQUIRED BLOCKING FOR WALL MOUNTED FIXTURES, GRAB BARS, SHELVING, CABINETRY, ETC.
- THERE SHALL BE NO PENETRATIONS TO A DEMISING WALL, U.O.N. IF PENETRATIONS ARE TO BE NOTED, THEN ALL PENETRATIONS INCLUDING CONDUITS, PIPES, DUCTWORK, ETC. SHALL BE UL RATED PER CURRENT CODE REQUIREMENTS.
- NO PLUMBING IS ALLOWED IN DEMISING WALLS. FURRED OUT AS REQUIRED.
- ALL (E) DEMISING WALLS FOR TENANT SEPARATION ARE NOT TO BE DISTURBED OR MODIFIED IN ANY WAY.

WALL TYPES

- W-0 (E) INTERIOR WALL TO REMAIN
- W-1 (E) EXTERIOR WALL TO REMAIN
- W-2 (E) DEMISING WALL TO REMAIN
- W-3 (N) 6" x 20GA. METAL STUDS @ 16" O.C. w/ 5/8" GYPSUM BD. ON EACH SIDE ADD ADDITIONAL 5/8" GYPSUM BOARD ON THEATER SIDE
- W-4 (N) 3 5/8" x 20GA. METAL STUDS @ 12" O.C. w/ 5/8" GYPSUM BD. ON EACH SIDE
- W-5 (N) DEMISING WALL 6" X 20GA. METAL STUDS @ 16" O.C. W/ (1) LAYER OF 5/8" TYPE 'X' GYPSUM BD. ON ADJACENT TENANT SIDE (BY OTHERS) AND (1) LAYER OF 5/8" TYPE 'X' GYP. BD. ON CYCLEBAR SIDE, FULL HEIGHT.
- W-6 (N) SOUND WALL, 3 5/8" x 20GA. METAL STUDS @ 12" O.C. w/ (2) 5/8" GYPSUM BD. ON ONE SIDE, 2 1/2" AIR GAP, AND (1) 5/8" GYPSUM BD. ON DEMISING WALL
- NOTE:
- PROVIDE 5/8" WATER AND MOLD RESISTANT GYPSUM BOARD WHERE PLUMBING WALLS OCCUR, TYP.
 - PROVIDE 5/8" TYPE "X" GYP. BOARD WHERE DEMISING WALLS OCCUR, TYP.
 - ALL WALLS TO RECEIVE 5/8" GYP. BOARD, (U.N.O.).

LEGEND

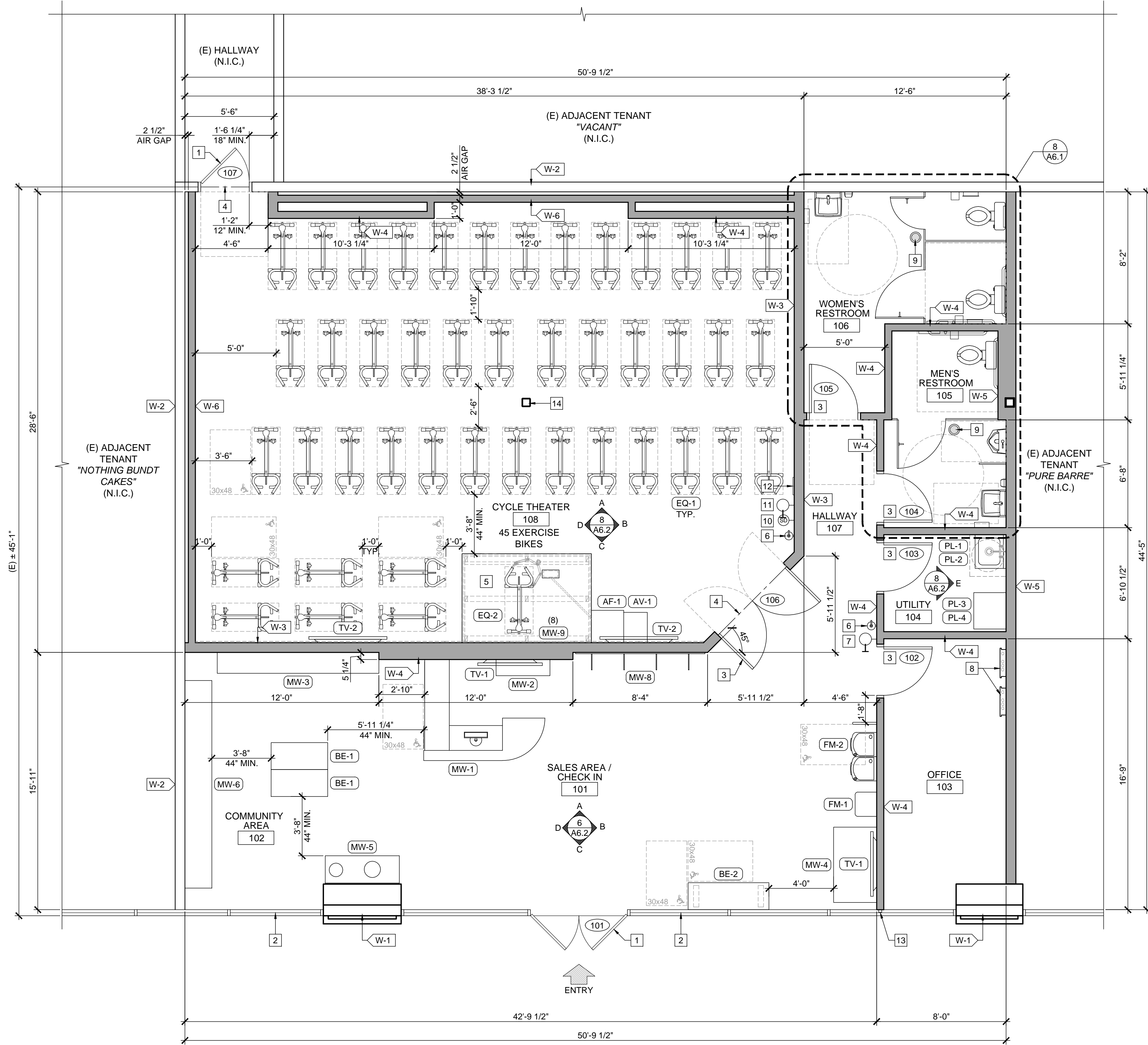
- T 1 DAY PROGRAMMABLE THERMOSTAT, MOUNT T-STAT AT 48" A.F.F., SENSOR AT 96" A.F.F.
- ⊕ FIRE EXTINGUISHER UNIT. MOUNT HANDLE AT 48" A.F.F. MAX.
- ⊞ ELECTRICAL PANEL
- 101 SEE DOOR SCHEDULE ON SHEET A8.1
- ⊞ REMOTE DETECTOR TEST STATION, MOUNTED 84" A.F.F. ABOVE T-STAT

EQUIPMENT LIST

REF	QT	DESCRIPTION
AF-1	1	SUBWOOFER TBD
AV-1	1	AV EQUIPMENT TBD
BE-1	2	SEATING BENCH 60" L x 20" W x 17" H MOVABLE
BE-2	1	ADA SEATING BENCH 60" L x 20" W x 17" H FLOOR MOUNTED
EQ-1	45	EXERCISE BIKE
EQ-2	1	INSTRUCTION STATION ACCESSORY
MW-1	1	FRONT DESK CUT SHEET 1 ON SHEET A8.4
MW-2	1	CABINET CUT SHEET 2 ON SHEET A8.4
MW-3	1	SHOE CUBBY CUT SHEET 3 ON SHEET A8.4
MW-4	1	REFRIGERATION STATION CUT SHEET 4 ON SHEET A8.4
MW-5	1	TOWEL BOX CUT SHEET 5 ON SHEET A8.4
MW-6	1	LOCKER CABINET CUT SHEET 6 ON SHEET A8.4
MW-7	-	
MW-8	1	SLAT WALL 96" L x 96" H
MW-9	8	MIRROR 48" x 72" H PER PIECE
PL-1	1	MOP BASIN w/ BACKFLOW PREVENTER TBD
PL-2	1	ELEC. TANK WATER HEATER 30 GALLON SEE DETAIL 9/A8.4
PL-3	1	WASHER 4.5 CU. FT. CAPACITY STACKED
PL-4	1	DRYER 7.3 CU. FT. STACKED
TV-1	2	48" TV TBD
TV-2	2	65" TV TBD
FM-1	1	ADA COMPLIANT WATER DISPENSER SEE DETAIL 12/A8.1
FM-2	1	HIGH LOW DRINKING FOUNTAIN TBD SEE DETAIL 4/T1.3

KEYNOTES

- (E) DOOR TO REMAIN. SEE DOOR AND HARDWARE NOTES
- (E) FIXED STOREFRONT WINDOW TO REMAIN
- (N) DOOR AND FRAME. SEE DOOR SCHEDULE
- (N) TRANSITION STRIP. SEE FINISH SCHEDULE
- (N) TRAINER'S PLATFORM. ALL FRAMING MUST RUN PARALLEL TO WALL TO RUN ELECTRICAL TO INSTRUCTION STATION
- (N) WALL-MOUNTED FIRE EXTINGUISHER UNIT. MOUNT HANDLE AT +4'-0" AFF. MAX.
- PROVIDE (N) THERMOSTAT @ +4'-0" MAX. A.F.F.
- (N) ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS
- (N) FLOOR DRAIN. SEE PLUMBING DRAWINGS
- PROVIDE REMOTE DETECTOR TEST STATION, MOUNTED 84" A.F.F. ABOVE T-STAT
- PROVIDE 1-DAY PROGRAMMABLE THERMOSTAT AND SENSOR. MOUNT T-STAT @ 48" AFF. SENSOR @ 96" HIGH
- PROVIDE (N) OCCUPANCY SIGNAGE PER 4 T1.3
- ADD (N) MULL-IT-OVER TRIM CLOSURE PIECES AT END WALL PLATE, OR EQUAL.
- (E) STRUCTURAL COLUMN TO REMAIN



(N) FLOOR PLAN AND EQUIPMENT PLAN

SCALE
1/4" = 1'-0"

8

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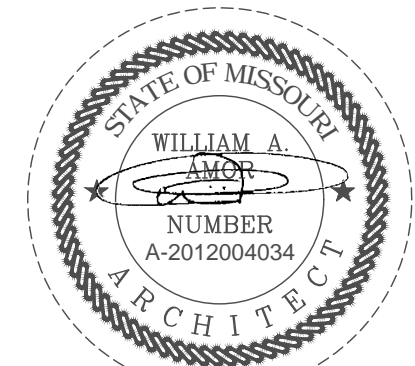
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(N) FLOOR PLAN
AND EQUIPMENT PLAN

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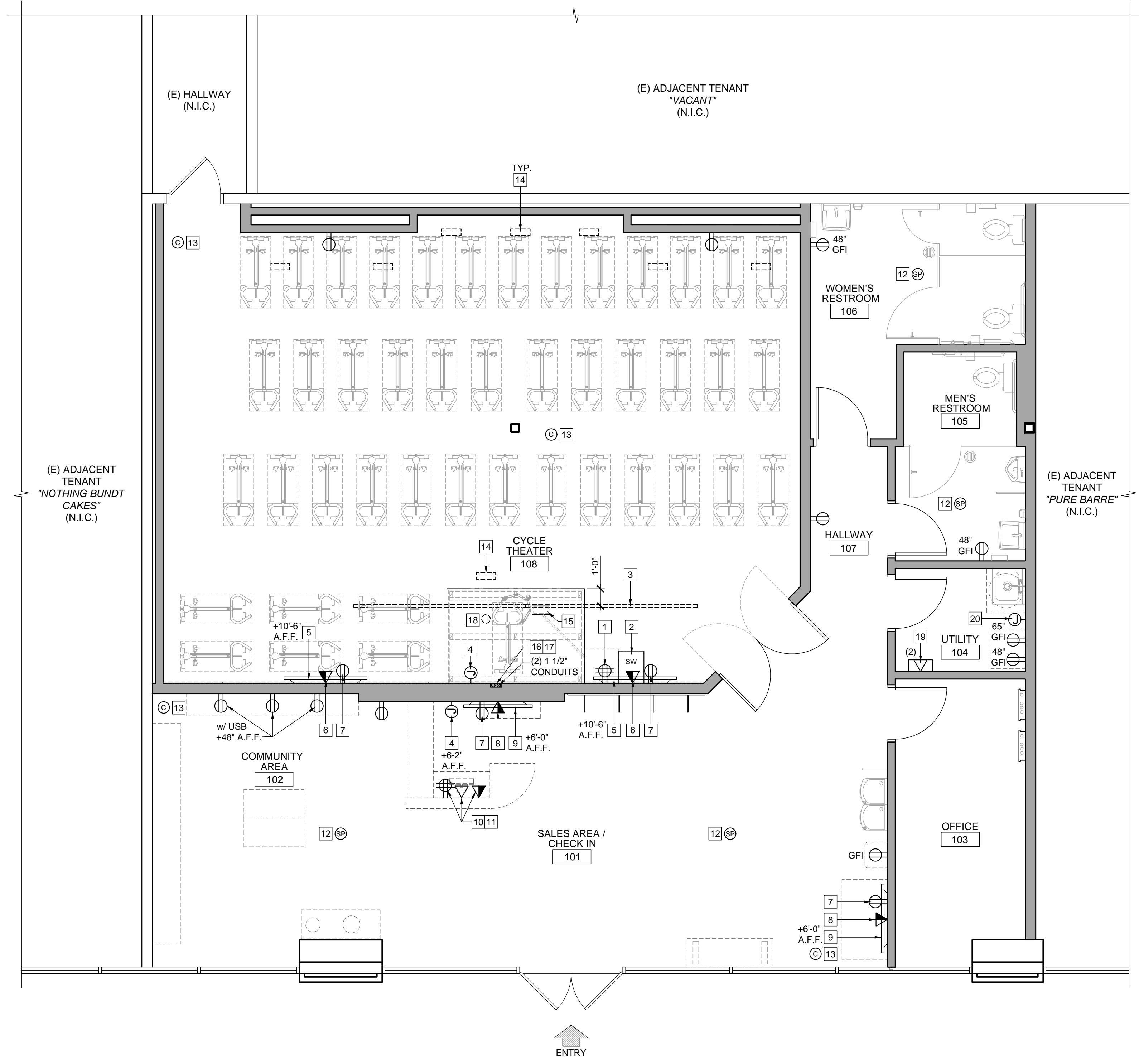
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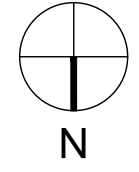
SHEET NUMBER

A1.1

Plotted: 4/13/2020 2:30 PM (treadmill) File: 08_a2276_at 1.2_audio&visual_plan.dwg



NOTE:
SEE ELECTRICAL SHEETS FOR
ADDITIONAL INFORMATION



(N) POWER / AUDIO AND VISUAL PLAN

SCALE
1/4" = 1'-0"

8

GENERAL NOTES

1. NOTIFY ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES OR DISCREPANCIES WITH PLANS IN RELATION TO EXISTING FIELD CONDITIONS.
2. THE GENERAL CONTRACTOR SHALL COORDINATE THE LOCATIONS FOR THE WALL MOUNTED TELEVISIONS AND GRAPHIC SIGNAGE TO PROVIDE BLOCKING FOR MOUNTING.
3. TV HEIGHT IS MEASURED TO CENTER OF MOUNTING BRACKET. GC TO MAKE SURE RECEPTACLES FOR TV MUST BE PLACED BEHIND TV, NOT TO BE VIEWED BY PUBLIC.
4. GC TO COORDINATE w/ SIGNAGE VENDOR FOR LOCATION AND HEIGHT OF SIGNAGE J-BOX. (SIGNAGE UNDER SEPARATE PERMIT)
5. AV LIGHTS PROVIDED AND INSTALLED BY AV CONTRACTORS. EXACT LOCATION TO BE VERIFY IN FIELD DURING CONSTRUCTION.
6. ALL AV LINES PULLED OUT AND RAN BACK TO THE AV RACK.

LEGEND

CEILING

- ⊙ CAMERA ⊙ SPEAKER

WALL

TELEVISION LOCATION - PROVIDE (1) DUPLEX OUTLET AND DATA DROP AS NOTED. VERIFY MOUNTING HEIGHTS WITH TENANT IN FIELD

- ⊙ 120V, 20A DUPLEX OUTLET MOUNTED 18" A.F.F. (U.N.O.) ⊙ 120V, 20A DUPLEX OUTLET (DIMENSION DENOTES MOUNTING HEIGHT) ⊙ 120V, 20A QUAD OUTLET (DIMENSION DENOTES MOUNTING HEIGHT)
- ⊙ JUNCTION BOX ⊙ DATA JACK ⊙ TELEPHONE JACK

FLOOR

- SW SUBWOOFER LOCATION (ON FLOOR) SUPPLIED /INSTALLED BY A/V CONTRACTOR. VERIFY MOUNTING LOCATIONS WITH TENANT IN FIELD

NOTE:
AUDIBLE / VISUAL SIGNAL CONNECTED TO SMOKE DETECTOR, INSTALL IN LOCATION VISIBLE AT ALL TIMES OF OCCUPANCY

KEYNOTES

- 1 PROVIDE (2) 20 AMP CIRCUITS VIA (2) QUAD OUTLETS FOR A/V RACK
- 2 SUBWOOFER, SUPPLIED AND INSTALLED BY AV CONTRACTOR
- 3 (2) 10 FEET UNISTRUT METAL CHANNEL @ 6 INCHES ABOVE CEILING LEVEL 12 INCHES OFF FROM FRONT OF STAGE TO SUSPEND SPEAKERS.
- 4 PROVIDE J-BOX FOR SIGNAGE. GC TO COORDINATE W/ VENDOR FOR LOCATION AND HEIGHT ON SIGNAGE
- 5 (2) 65" T.V., INCLUDING BRACKET AND 36"x36"x5/8" WOOD BACKING INSIDE THE WALL FOR SUPPORT AT EACH DISPLAYS. CENTERED ON DUPLEX/DATA WALL PLATES, SEE ELEVATIONS FOR BRACKET MOUNTING HEIGHT
- 6 (2) CAT6 PLENUM TERMINATED W / KEYSTONE JACKS LOCATED NEXT TO THE POWER OUTLET, LABELED AND RAN BACK TO THE AV RACK WITH 15' OF SLACK AT EACH OF THE DISPLAYS
- 7 (2) USB POWER OUTLET RATED 2.5 AMP LOCATED AT EACH OF THE DISPLAYS
- 8 (2) CAT6 TERMINATED W/ KEYSTONE JACK PLATE LOCATED NEXT TO POWER OUTLET, LABELED AND RAN BACK TO THE AV RACK AT EACH OF THE TWO DISPLAYS
- 9 (2) 48" T.V., INCLUDING BRACKET AND 36"x36"x5/8" WOOD BACKING INSIDE THE WALL FOR SUPPORT AT EACH DISPLAYS. CENTERED ON DUPLEX/DATA WALL PLATES, SEE ELEVATIONS FOR BRACKET MOUNTING HEIGHT
- 10 (3) CAT6 PLENUM TERMINATED W / KEYSTONE JACKS LOCATED AT COMPUTER LOCATION INSIDE DESK, LABELED AND RAN BACK TO THE AV RACK WITH 15' OF SLACK.
- 11 (1) 15 AMP CIRCUIT AT FRONT DESK VIA 1 QUAD RECEPTACLE.
- 12 (1) PER EACH SPEAKER LOCATION 16/2 SPEAKER CABLE W / 15FT OF SLACK PROTRUDING THROUGH SHEETROCK LABELED AND RAN BACK TO THE AV RACK AT EACH OF THE (4) SPEAKER LOCATIONS
- 13 (4) CAT6 PLENUM LABELED AND RAN BACK TO THE AV RACK FOR CCTV CAMERA LOCATIONS
- 14 (N) RECESSED LED WALL WASH ON CEILING TIE-IN BACK TO A/V RACK BY AV CONTRACTOR
- 15 AV FLOOR BOX INSTALLED AT INSTRUCTOR STAGE
- 16 (2) CAT6 FROM DMARC TO THE AV RACK WITH 15FT OF SLACK
- 17 GC PROVIDED AV CABLING PROTRUDING FROM WALL, VIA DOUBLE GANG PLASTER RING, NEXT TO ELECTRICAL OUTLETS W / 15FT OF SLACK AND CORRECTLY LABELED ON BOTH ENDS
- 18 (N) RECESSED LED DOWNLIGHT ON CEILING TIE-IN BACK TO A/V RACK BY AV CONTRACTOR
- 19 (2) CABLE MODEM LOCATION, RUN TO AV RACK
- 20 PROVIDE J-BOX FOR WATER HEATER

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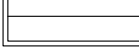
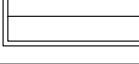

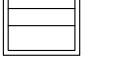
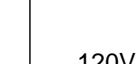
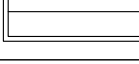
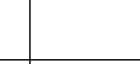


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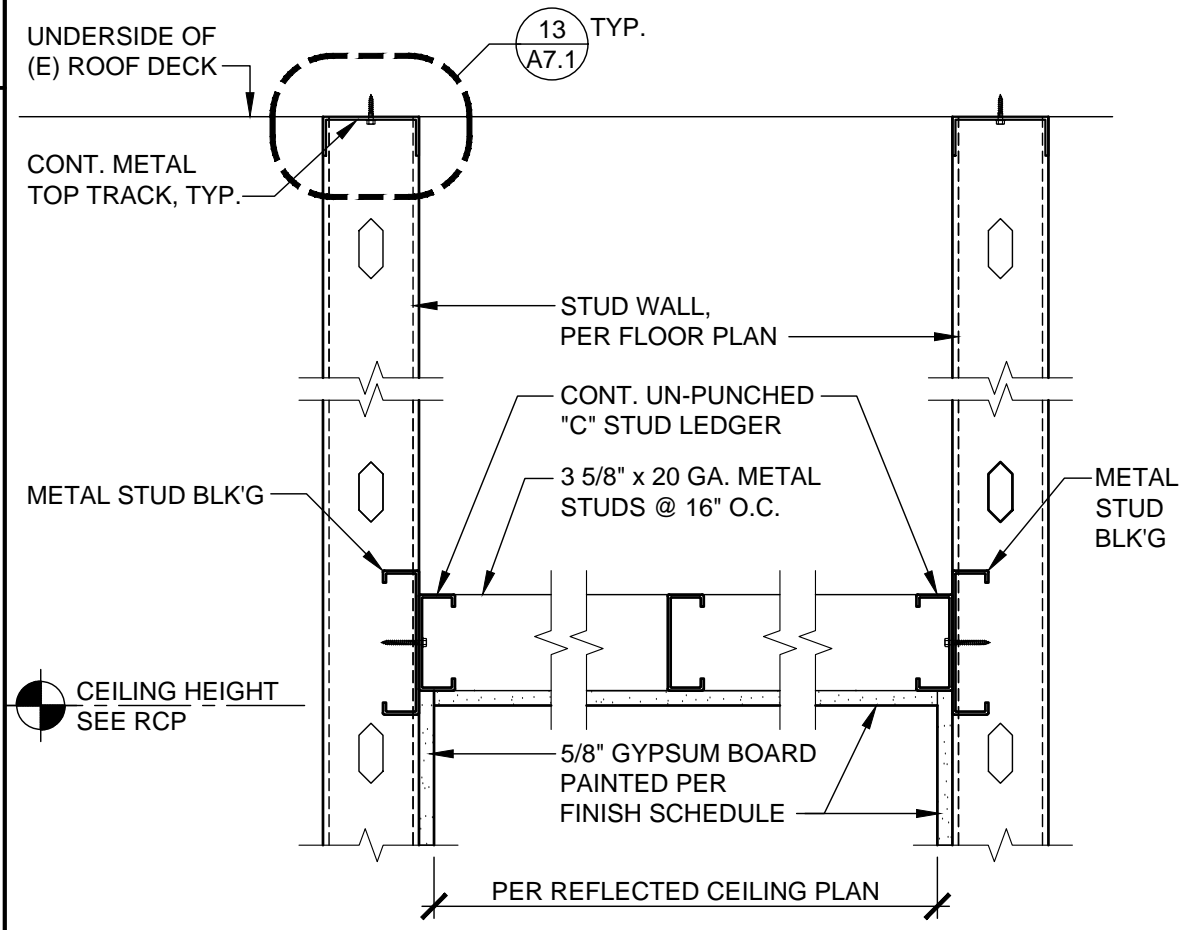
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LIGHTING SCHEDULE

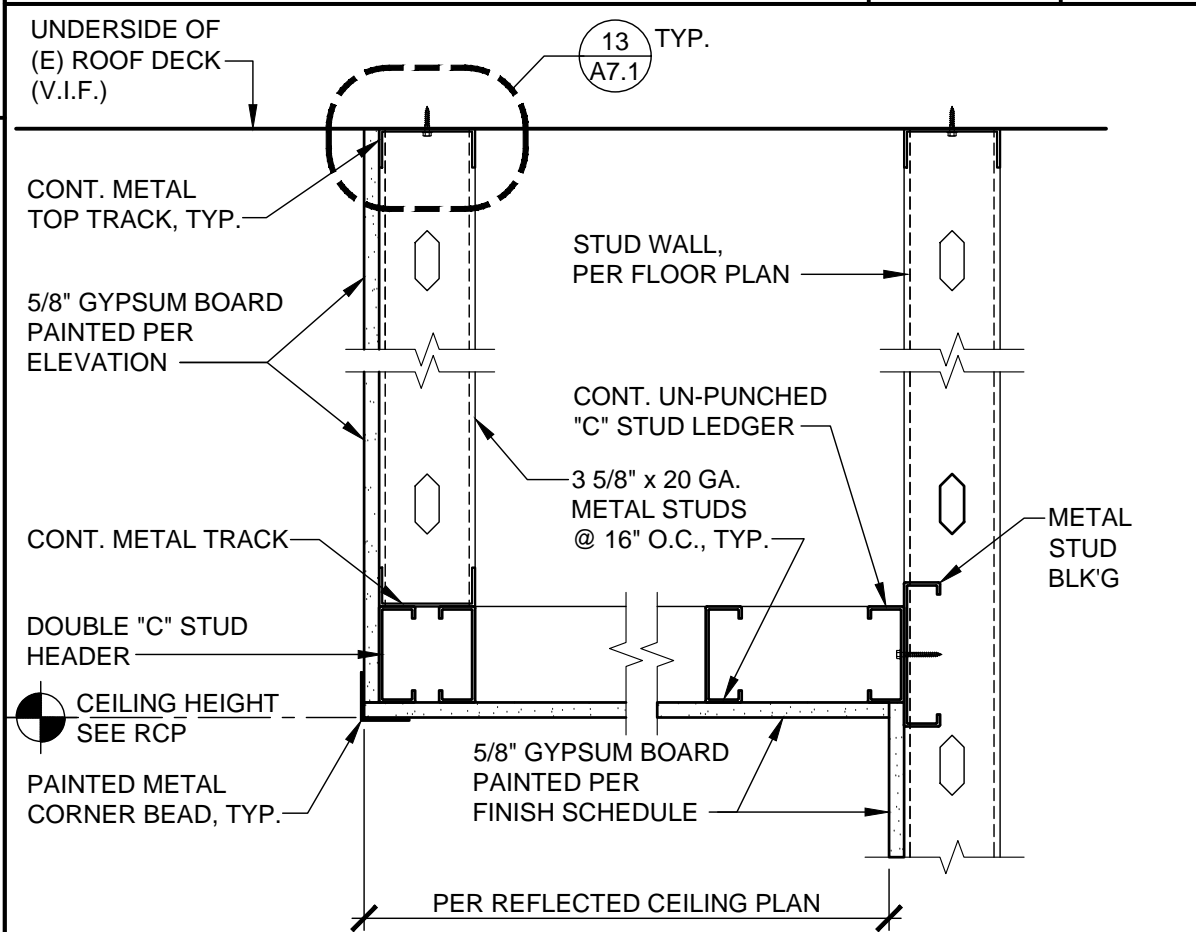
ARCHITECTURAL FIXTURE TYPES - CYCLEBAR PROTOTYPE															
FIXTURE DESIGNATION	SYMBOL	DESCRIPTION	WATTS	VOLTAGE	MANUFACTURER	MODEL #	REMARKS	FIXTURE DESIGNATION	SYMBOL	DESCRIPTION	WATTS	VOLTAGE	MANUFACTURER	MODEL #	REMARKS
F1		SUSPENDED 2'X2' OR 2'X4' LED TROFFER, DIRECT/INDIRECT	40W	120V	LUMEGEN	LG-UDPL-40W-30K	SUSPENSION MOUNTED AT 10' A.F.F. IN LOBBY/SALES AREA. SUSPENSION MOUNTING KIT TO BE INCLUDED.	F4		56" PENDANT MOUNTED FAN WITH FAN SPEED CONTROL	N/A	120V	ENVIRONFAN	GOLD LINE 160F-7 BLK	PENDANT MOUNTED @ 10'-0" A.F.F. AT CYCLE THEATER
F2		RECESSED 2'X2' OR 2'X4' LED TROFFER, DIRECT/INDIRECT	40W	120V	LITHONIA LIGHTING	LG-UDPL-40W-30K	RECESSED AT LOBBY / COMMON AREA.	F6		DOUBLE HEAD EMERGENCY UNIT	14.2	UNIV	LITHONIA LIGHTING	ELM&L EMERGENCY LIGHT	WALL/ CEILING MOUNT PROVIDE WITH 90 MINUTE BATTERY.
F3		6" RECESSED LED DOWNLIGHT	12.7W	120V	LITHONIA LIGHTING	LDN6	RECESSED MONT IN GYP. CEILING IN RESTROOM AND UTILITY ROOM. RECESSED MOUNT IN ACT CYCLE THEATER.	F7		DOUBLE HEAD EMERGENCY UNIT, WET LOCATION REMOTE CAPABLE	7W	120V	LITHONIA LIGHTING	WLTU MR	WALL MOUNT PROVIDE WITH 90 MINUTE BATTERY AT FRONT ENTRY ON EXTERIOR SIDE.
F5		EXIT, SNGL/DOUBLE, RED LETTERS, EMERGENCY LIGHT COMBINATION, HIGH LUMEN, UNIVERSAL MOUNTED, SELF POWERED, REMOTE CAPABLE	3	DV	LITHONIA LIGHTING	LHQM LED	WALL/ CEILING MOUNT	F8		6" RECESSED WALL WASH	3W	LV	BY A/V VENDOR	BY A/V VENDOR	INSTALLED BY A/V VENDOR
								F9		6" RECESSED WALL WASH	3W	LV	BY A/V VENDOR	BY A/V VENDOR	INSTALLED BY A/V VENDOR



GWB CEILING DETAIL

SCALE
3" = 1'-0"

5



GYP. BD. CEILING DETAIL

SCALE
3" = 1'-0"

6

KEYNOTES

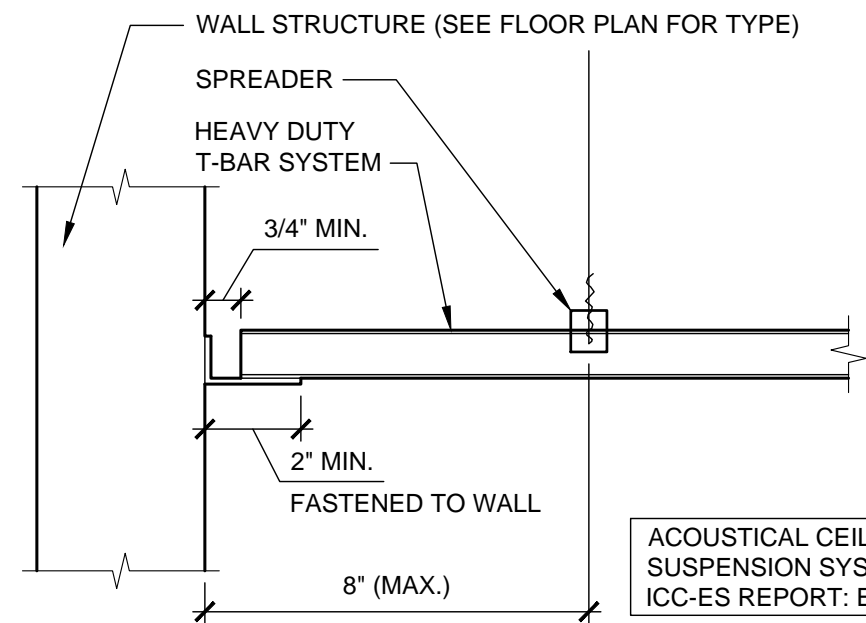
- (N) GYPSUM BOARD CEILING
- (N) CEILING GRID
- (N) 2' x 2' CEILING TILES, SEE FINISH SCHEDULE
- (N) 2' x 4' LIGHT FIXTURE, SEE LEGEND
- (N) RECESSED LED LIGHT FIXTURE, SEE LEGEND
- (N) EMERGENCY LIGHT FIXTURE, 90 MIN. SEE LEGEND
- (N) EMERGENCY LIGHT FIXTURE w/ ILLUMINATED EXIT SIGN, 90 MIN. SEE LEGEND
- (N) ILLUMINATED EXIT SIGN, SEE LEGEND
- (N) EXTERIOR EGRESS LIGHT FIXTURE, SEE LEGEND
- (3) BLADE CEILING FAN, SEE LEGEND
- (E) STRUCTURAL COLUMN TO REMAIN
- (N) EXHAUST FAN
- (N) RECESSED LED WALL WASH TIE-IN BACK TO A/V RACK
- (N) RECESSED LED DOWNLIGHT TIE-IN BACK TO A/V RACK

GENERAL NOTES

- EMERGENCY LIGHTS TO BE INSTALLED ON SEPARATE CIRCUIT.
- ALL LIGHT FIXTURES INCLUDING EXIT LIGHTS, EMERGENCY LIGHTS, ETC., SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- ALL FINISHING AND PAINTING REQUIREMENTS SHALL BE DIRECTED TO THE FINISH SCHEDULE SPECIFICATIONS AND INTERIOR ELEVATIONS.
- CONTRACTOR TO USE LASER FOR LEVELING OF ALL SOFFITS, CEILINGS AND SUSPENDED GRIDS.
- ELECTRICAL CONTRACTOR TO VERIFY IF SERVICE PROVIDED IS ADEQUATE. NOTIFY ARCHITECT IMMEDIATELY IF NOT.
- ALL EQUIPMENT SHALL BEAR U.L. LABELS.
- ELECTRICAL CONTRACTOR MUST PROVIDE AN IDENTIFICATION NAME PLATE ON TENANT'S MAIN ELECTRICAL SERVICES FUSIBLE DISCONNECT SWITCH IN LANDLORD'S DISTRIBUTION PANEL AND RTU. NAMEPLATE MUST BE 1/8" THICK PLASTIC, BLACK ON WHITE ETCHED TO LEAVE WHITE LETTERS. THE SIZE SHALL BE ONE INCH HIGH BY REQUIRED LENGTH, WITH TENANT'S SPACE NUMBER ENGRAVED ON IT. PERMANENTLY AFFIX TO DISTRIBUTION PANEL.
- DIFFUSERS AND LIGHTS TO HAVE HANG WIRES PER CURRENT CODE & MANUFACTURER'S RECOMMENDATION
- ALL FIRE DAMPERS MUST BE IDENTIFIED BY A STICKER INSTALLED ON CEILING BELOW. DUCT FIRE DAMPER MUST BE INSTALLED WITH A BREAKAWAY CONNECTION PLENUM THAT CANNOT CONTAIN ANY COMBUSTIBLES.
- GENERAL CONTRACTOR TO INSTALL ACCESS DOORS AS NECESSARY AND CONFIRM EXACT LOCATIONS. ACCESS PANEL MUST BE FLUSH, FRAMELESS GYPSUM PANELS IN SALES AREA. G.C. MUST PROVIDE AN ALLOWANCE FOR ACCESS PANELS IN BID.
- ALL LIGHTING SHOULD BE IN WORKING ORDER AND ALL COVERS / LENSES IN PLACE.
- GENERAL CONTRACTOR SHALL COMPLY WITH CURRENT STATE ENERGY CODES.
- GENERAL CONTRACTOR TO VERIFY FIRE ALARM REQUIREMENTS AND NOTIFY ARCHITECT AS SOON AS POSSIBLE OF ANY DISCREPANCIES.
- FIRE ALARM, FIRE STROBE, FIRE PULL SHALL BE BY OTHERS ON A SEPARATE SUBMITTAL.

LEGEND

- RECESSED 6" DIA. CAN LIGHT
- RECESSED LED WALL WASH (PROVIDED & INSTALLED BY A/V CONTRACTOR)
- RECESSED LED DOWNLIGHT (PROVIDED & INSTALLED BY A/V CONTRACTOR)
- 2X4 RECESSED / SUSPENDED LED TROFFER
- LED EMERGENCY EGRESS LIGHTING / SIGN COMBO W/ 90 MINUTE BATTERY BACKUP
- LED EMERGENCY EGRESS LIGHTING W/ 90 MIN. BATTERY BACKUP
- ILLUMINATED EXIT SIGN
- LED EMERGENCY EXTERIOR EGRESS LIGHTING - CONNECTED TO EXIT SIGN BATTERY BACKUP
- MECHANICAL VENTILATION EXHAUST GRILLE LIGHT ACTIVATED
-WOMEN MIN. 100 CFM/ UNIT
-MEN MIN. 100 CFM/ UNIT
- 3 BLADE 56" DIA. CEILING FAN
#160F-7 BLK WITH ENVIROFAN
#105FR SWITCH (ENVIROFAN)



NOTE:

- PROVIDE SPREADER BAR IF CROSS TEE OR MAIN TEE DISTANCE TO WALL IS GREATER THAN 8".
- TWO ADJACENT CEILING GRID EDGES MUST BE ATTACHED TO THE PERIMETER ANGLE, AND THE OTHER TWO EDGES MUST BE FREE TO SLIDE AND HAVE 3/4" MINIMUM CLEARANCE FROM WALL.

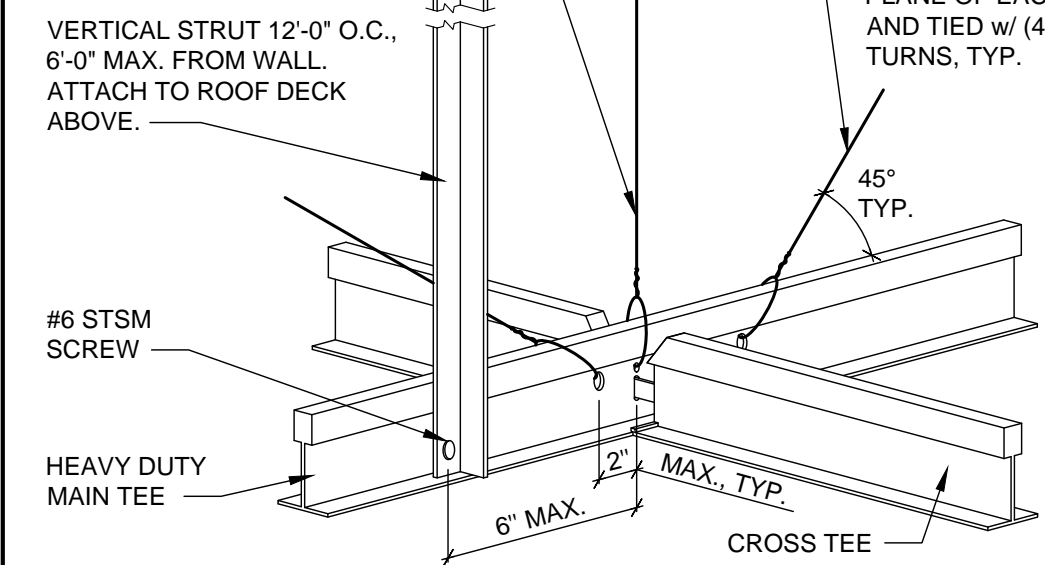
CEILING PERIMETER

SCALE
3" = 1'-0"

3

SPLAY-WIRE VERTICAL BRACING PERPENDICULAR TO RUNNER. HANGERS TO BE 12 GALVANIZED, SOFT - ANNEALED MILD STEEL WIRE AT 12'-0" O.C. AND 6'-0" MAX. FROM END WALLS. ATTACHED WITH MINIMUM OF (3) TURNS TO CEILING SUSPENSION MEMBERS AND TO 1/4" x 3" LAG INTO BOTTOM EDGE OF ROOF JOIST. PROVIDE COUNTER SLOPING WIRES WHERE WIRES ARE SPLAYED MORE THAN 1 IN 6 OUT OF PLUMB.

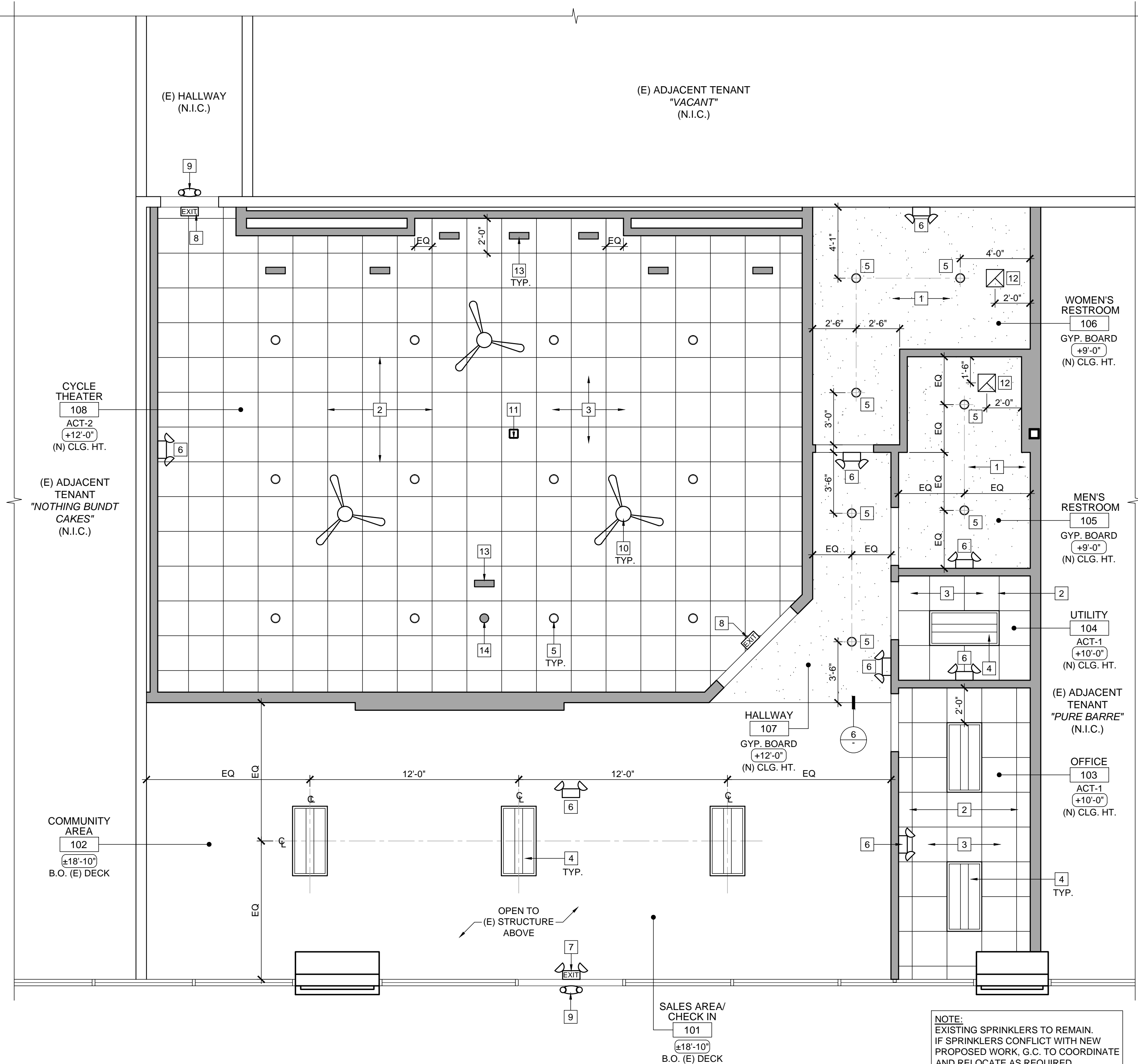
NOTE:
GROUP OF (4) 45° WIRES AND VERTICAL STRUT OCCUR AT THE SAME INTERSECTIONS.



CEILING BRACING DETAIL

SCALE
3" = 1'-0"

4



(N) REFLECTED CEILING PLAN

SCALE
1/4" = 1'-0"

8

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WILLIAM A. HILTON
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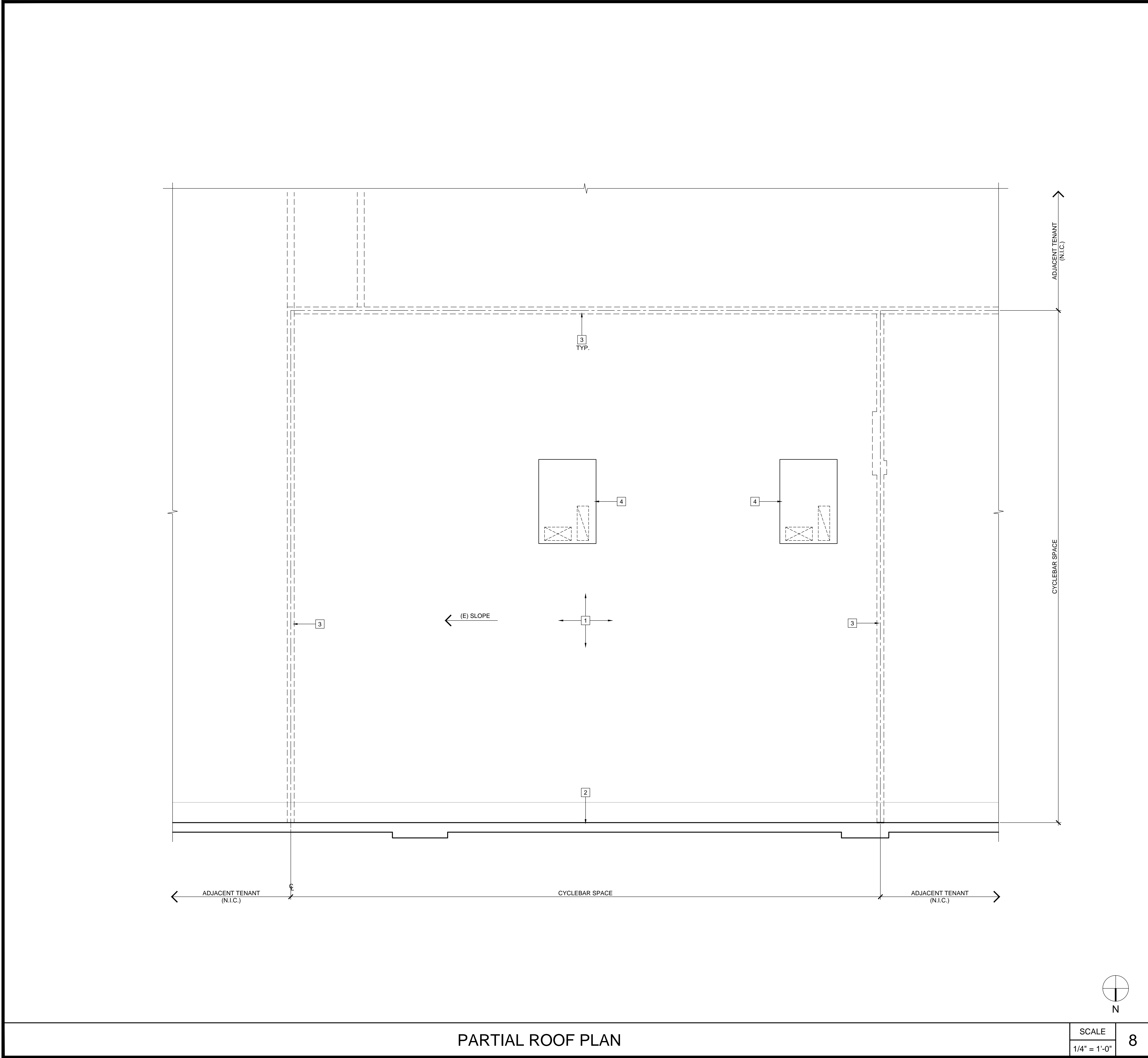
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SHEET NUMBER

A2.1

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GENERAL NOTES

1.

PROVIDE TAPERED INSULATION CRICKET - 1/2":12" AT ALL NEW UNITS.

2.

SEE MECHANICAL DRAWINGS FOR PIPE PENETRATION TO ROOF AND ADDITIONAL INFORMATION NOT SHOWN HERE

3.

VERIFY ROOF SYSTEM AND MATCH EXISTING WHERE NEW WORK TO BE IMPLEMENTED MEMBRANE ROOF (CLASS A PER SPECIFICATIONS). SLOPE 1/4":12"(MIN.), TYP.

KEYNOTES

1

(E) BUILT-UP ROOF TO REMAIN

2

(E) PARAPET WALL

3

OUTLINE OF (E) DEMISING WALL BELOW

4

(N) ROOF TOP UNIT. SEE MECHANICAL DRAWINGS

SCALE

1/4" = 1'-0"

8

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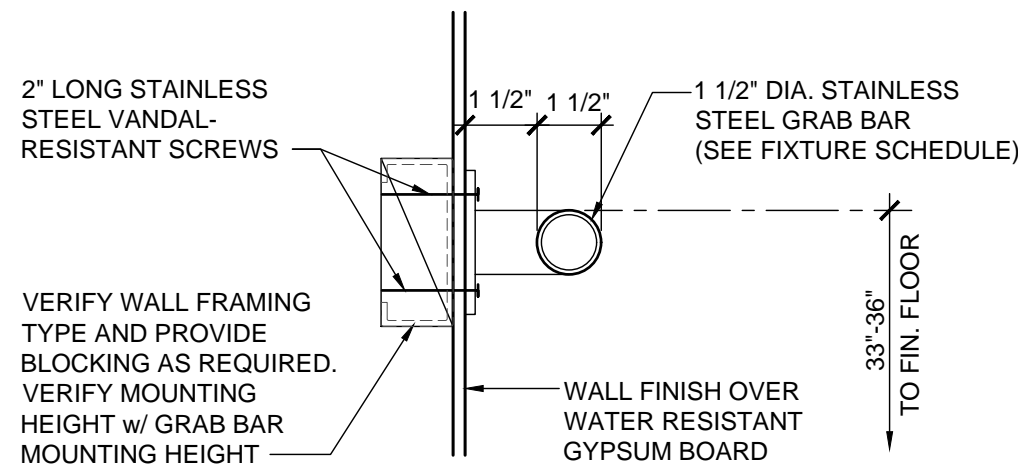
A3.1

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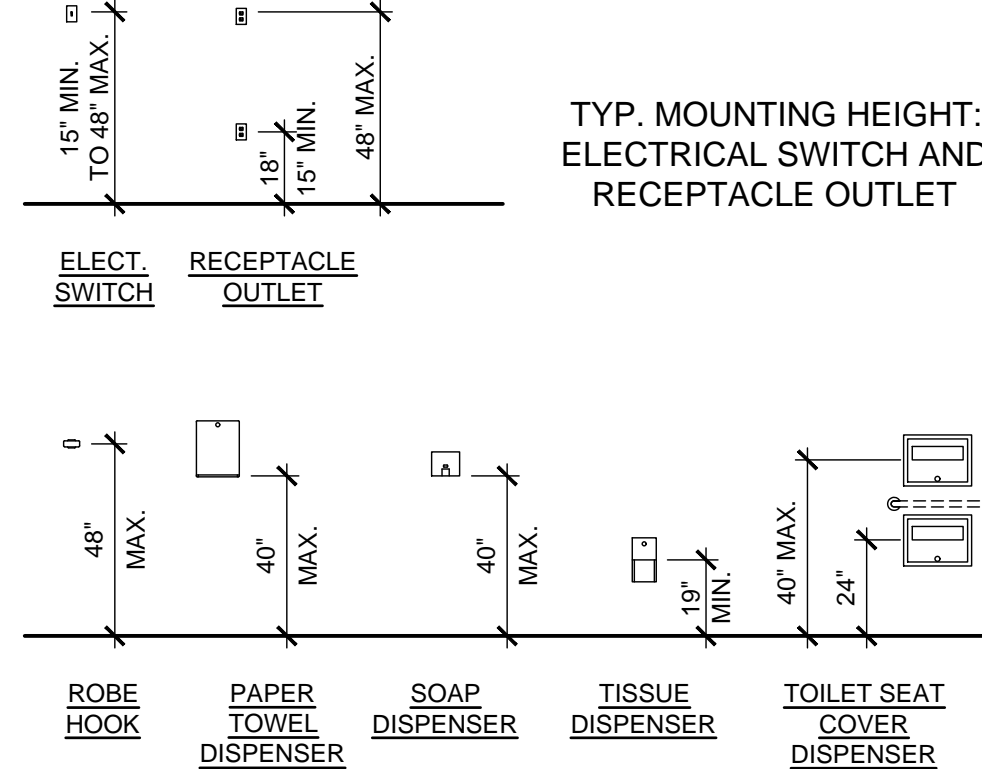
- NOTES:
- GRAB BARS AT WATER CLOSET (511.1A-9)
- ONE AT SIDE 42" LONG EXTENDING 24" IN FRONT OF WATER CLOSET; ONE AT REAR OF WATER CLOSET 36" LONG; BOTH MOUNTED 33" ABOVE FINISH FLOOR.
(EXCEPTION: REAR GRAB BAR OVER TANK TYPE WATER CLOSET MAY BE UP TO 36" ABOVE FINISH FLOOR)
 - BAR SHALL BE 1-1/4" TO 1-1/2" IN DIAMETER WITH 1-1/2" CLEARANCE TO WALL.
 - BAR FASTENERS AND MOUNTING SUPPORT SHALL BE ABLE TO WITHSTAND 250 LBS. POINT LOAD IN BENDING, SHEAR TENSION. ROTATION IN FITTING NOT ALLOWED.
 - SURFACE OF WALL ADJACENT TO GRAB BAR IS TO BE FREE OF SHARP OR ABRASIVE ELEMENTS.



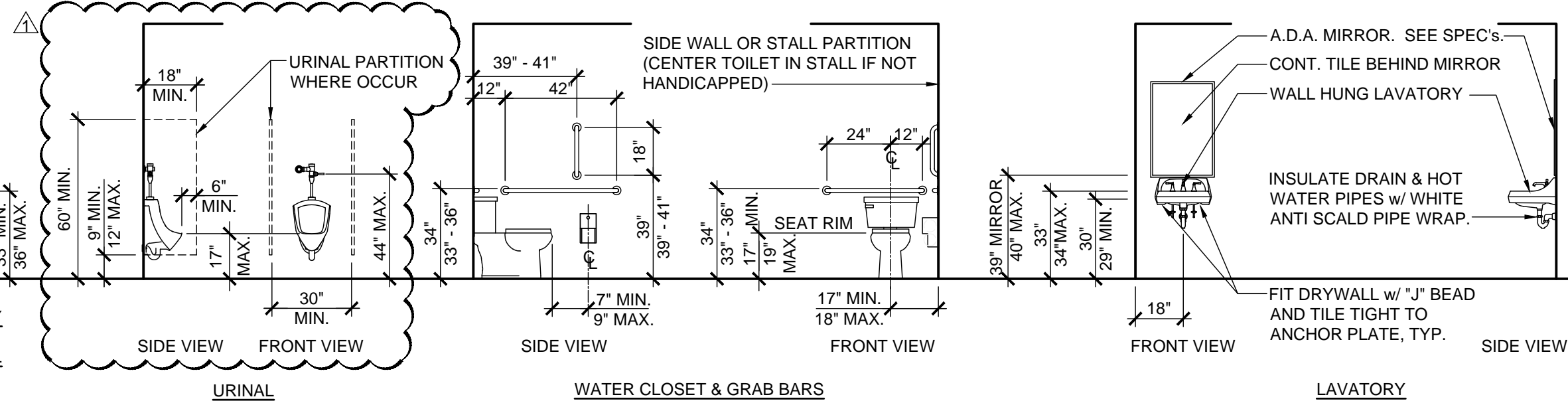
GRAB BAR DETAIL

SCALE
3" = 1'-0"

17



TYP. MOUNTING HEIGHT:
ELECTRICAL SWITCH AND
RECEPTACLE OUTLET



- NOTE:
- CONTRACTOR TO PROVIDE APPROPRIATE BLOCKING IN WALL FOR ANCHORAGE OF GRAB BARS AS REQUIRED.
 - SEE SHEET T1.3 FOR ADDITIONAL ADA CLEARANCES.

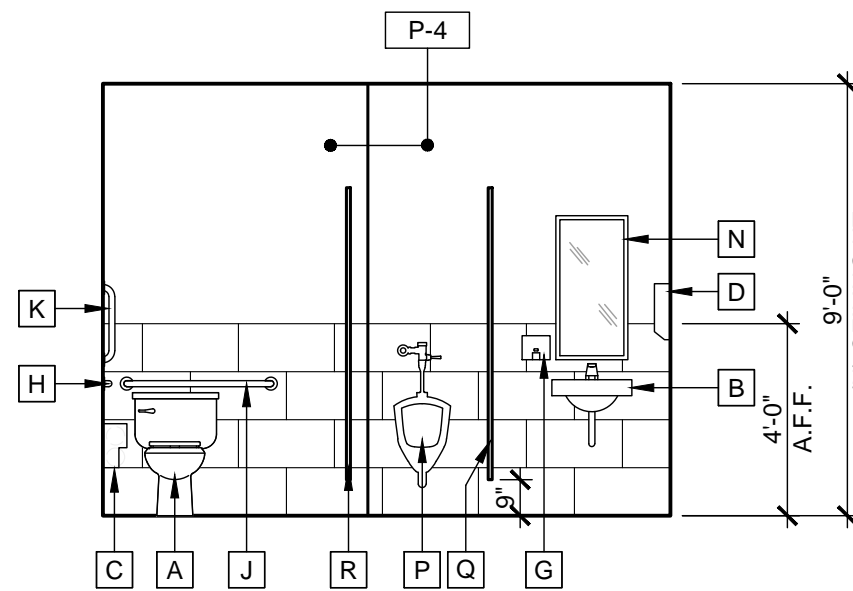
TYP. MOUNTING HEIGHT: RESTROOM ACCESSORIES AND FIXTURES

SCALE
1/4" = 1'-0"

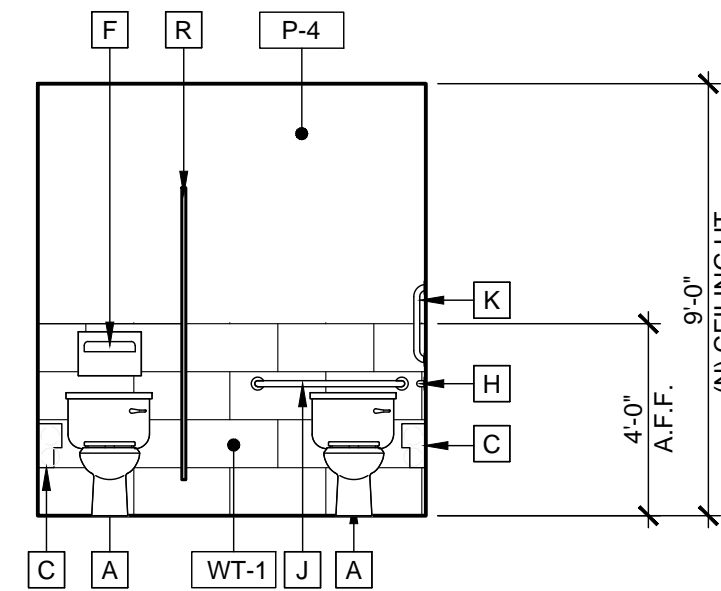
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GENERAL NOTES

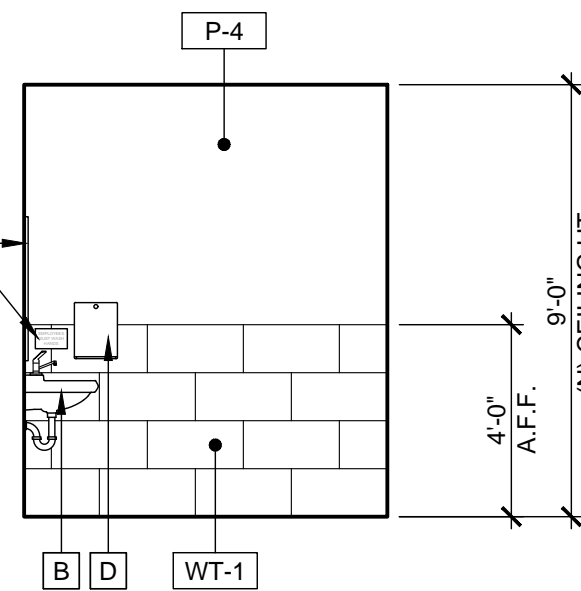
- PROVIDE 1-1/2" CLEARANCE BETWEEN WALL AND GRAB BARS.
- DRAIN AND HOT WATER PIPES UNDER ALL LAVATORIES TO BE INSULATED.
- GRAB BARS SHALL BE DESIGNED TO SUPPORT A 250# LOAD AND SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- FLUSH VALVE CONTROL ON WATER CLOSET SHALL BE OPERABLE BY AN OSCILLATING HANDLE WITH MAXIMUM FORCE OF 5 LBS. TOP OF ALL ELECTRICAL SWITCHES AND CONVENIENCE OUTLET NOT TO EXCEED 40", TYPICAL THROUGH-OUT.
- NO SHARP OR ABRASIVE SURFACES IN FRONT OF LAVATORIES.
- A CLEAR SPACE OF 30" X 48" SHALL BE PROVIDED IN FRONT OF LAVATORY TO ALLOW A FORWARD APPROACH TO COMPLY WITH.
- OPERATING PARTS OF DISPENSING AND DISPOSAL FIXTURES (TOWELS, WASTE, COIN SLOTS, ETC.) ARE TO BE AT 40" A.F.F. MAX.
- MIRRORS - MOUNT MIRRORS AT 39" ABOVE FINISH FLOOR TO BOTTOM OF REFLECTIVE SURFACE. (MAXIMUM 40" A.F.F.)
- THE RESTROOM DOORS MUST BE WELL FITTING AND SELF-CLOSING.
- PROVIDE SUFFICIENT VENTILATION IN RESTROOMS BY MEANS OF A WINDOW OR MECHANICAL CEILING VENTILATION.
- TOILET ACCESSORIES LOCATED ON OR WITHIN WALLS BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE.
- FAUCET CONTROLS AND OPERATING MECHANISM (OPERABLE W/ ONE HAND) SHALL BE OF TYPE NOT REQUIRING TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST AND AN OPERATING FORCE NOT EXCEEDING 5 LBS.
- LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR & WITH A CLEARANCE OF AT LEAST 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON WITH KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MIN. OF 30" IN WIDTH & 8" MIN. DEPTH AT THE TOP. TOE CLEARANCE SHALL BE A MIN. OF 9" HIGH FROM THE FLOOR & A MIN. OF 17" DEEP FROM THE FRONT OF THE LAVATORY.
- CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS.
- REGARDLESS OF STALL CONFIGURATION, A 48" LONG MINIMUM CLEARANCE FLOOR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.
- SEE FIXTURE AND STANDARD ACCESSIBILITY MOUNTING HEIGHTS DETAIL 5 / A6.1.
- WATER CLOSET COMPARTMENTS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE, AND SHALL HAVE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32" WHEN LOCATED AT THE END & 34" WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- THE INSIDE & OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED W/ A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL FLIP OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST.



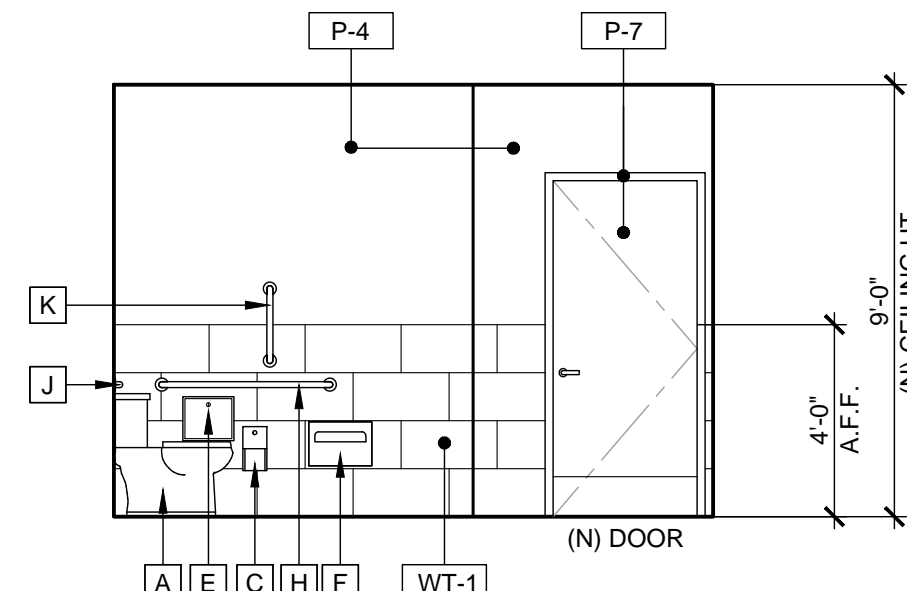
ELEVATION - A



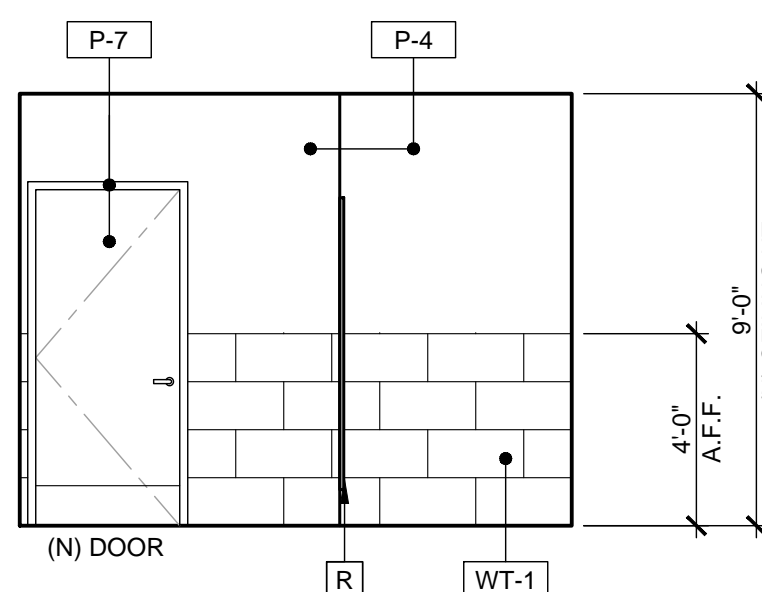
ELEVATION - E



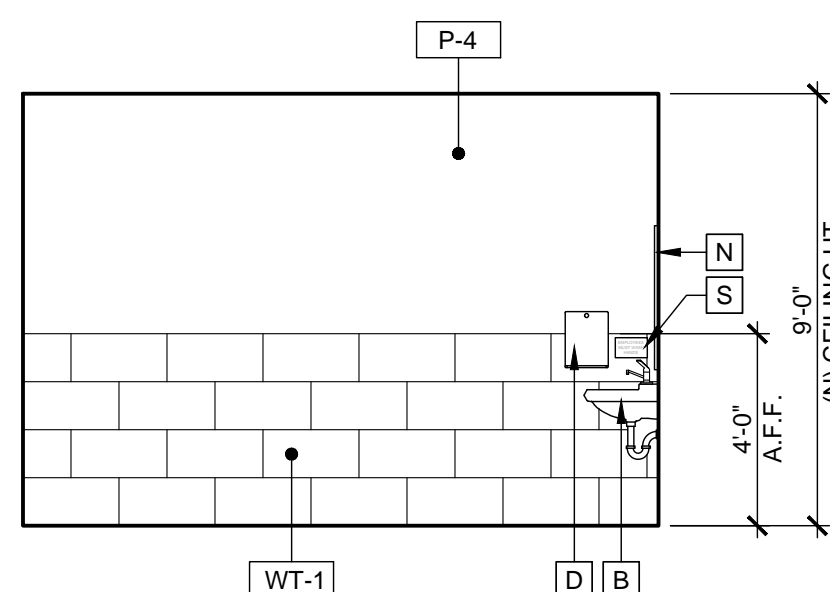
ELEVATION - B



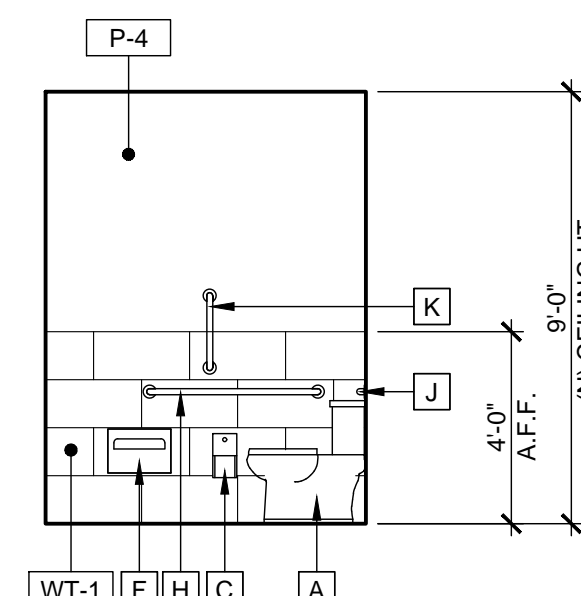
ELEVATION - F



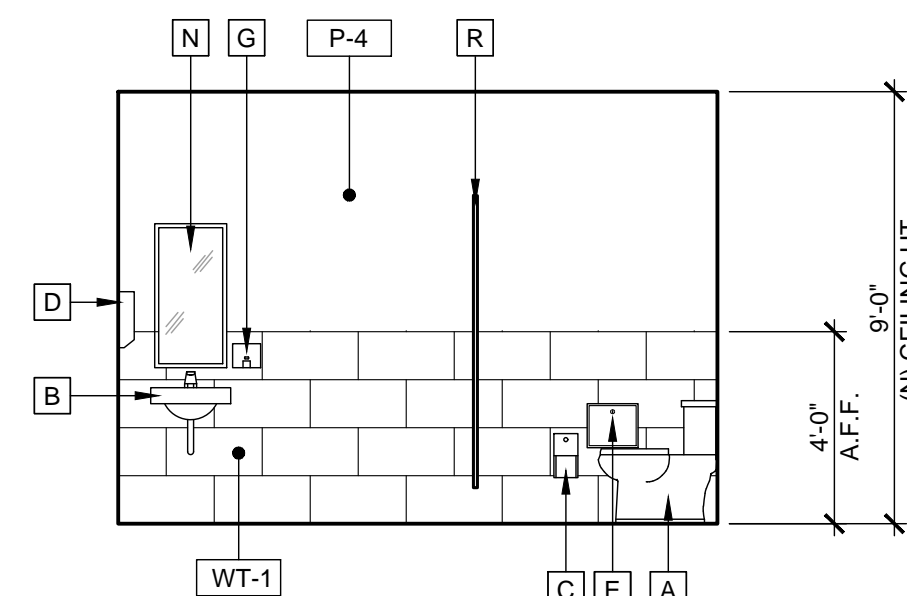
ELEVATION - C



ELEVATION - G



ELEVATION - D
MEN'S RESTROOM

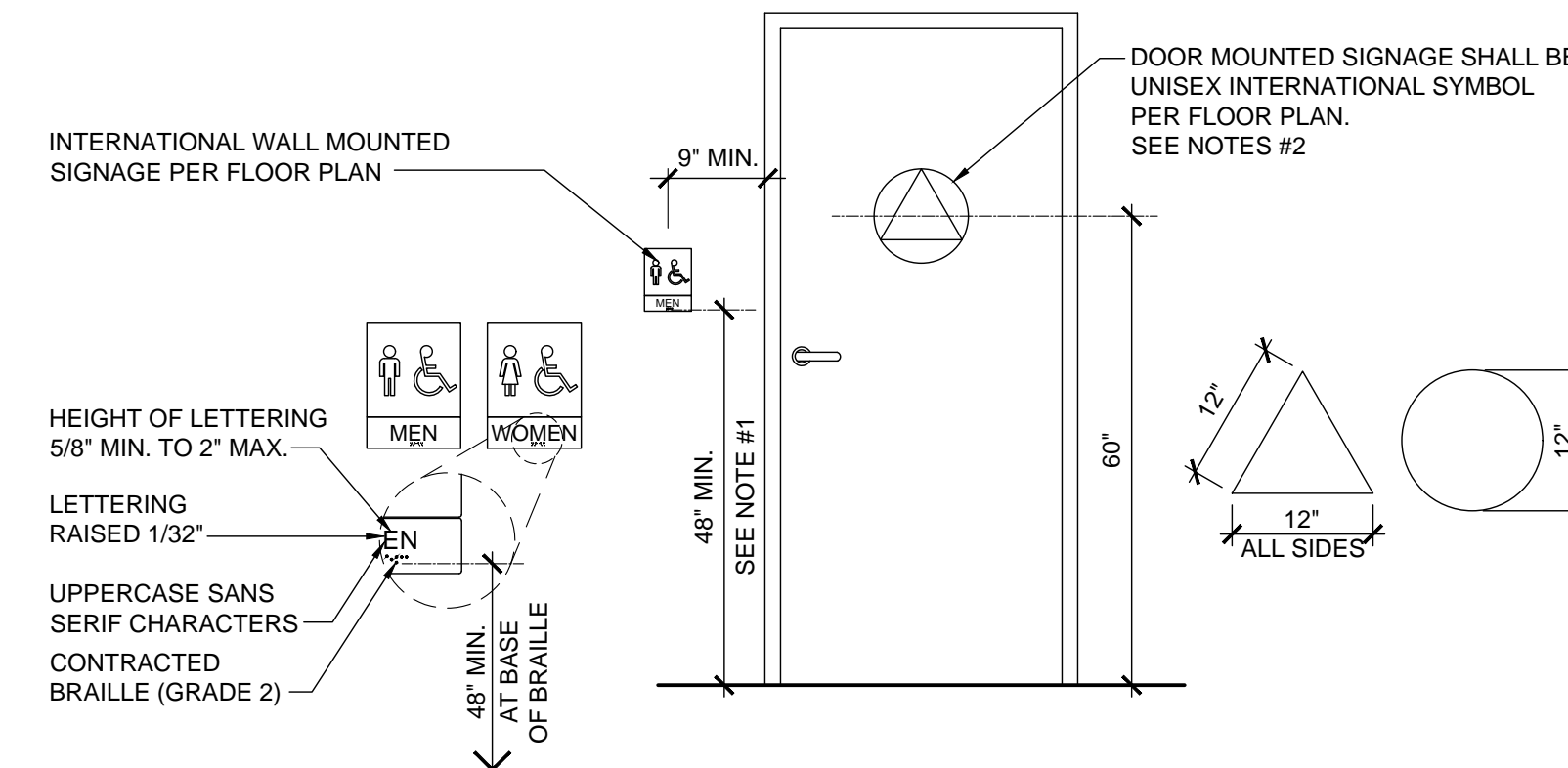


ELEVATION - H
WOMEN'S RESTROOM

INTERIOR ELEVATIONS - RESTROOMS

SCALE
1/4" = 1'-0"

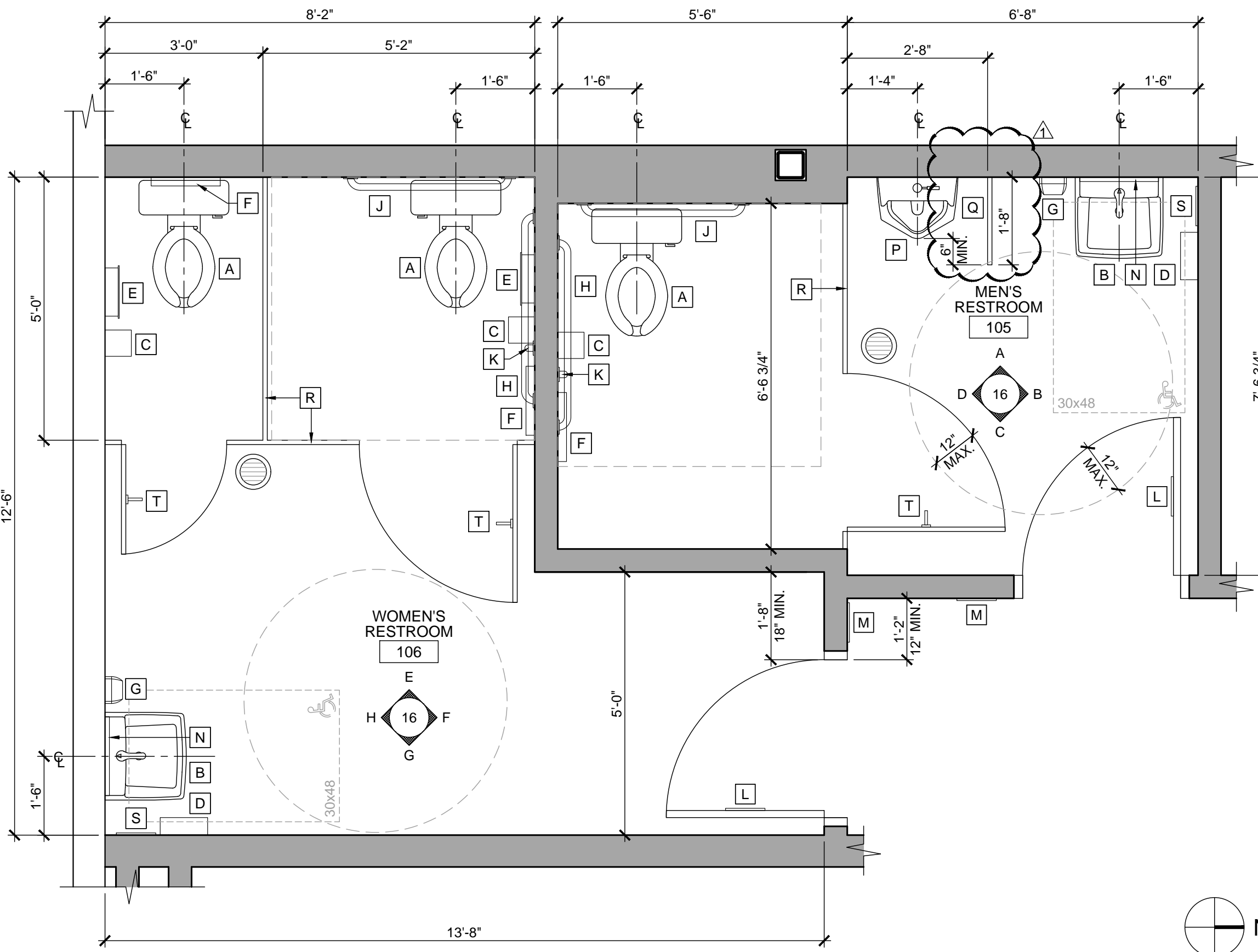
16



DOOR SIGNAGE STANDARDS

SCALE
1/2" = 1'-0"

6



ENLARGED RESTROOMS PLAN

SCALE
1/2" = 1'-0"

8

RESTROOM ACCESSORIES

MARK	QTY	ITEMS	REMARKS
A	3	FLOOR MOUNTED ELONGATED TOILET	AMERICAN STANDARD ELONGATED TOILET 1.28 GPF OR EQUAL
B	2	WALL MOUNTED LAVATORY	AMERICAN STANDARD COMRADE MODEL #0124.024 OR EQUAL
B	2	ELECTRONIC LAVATORY FAUCET	SLOAN MODEL #EAF-200 OR EQUAL
C	3	SURFACE MOUNTED TOILET TISSUE DISPENSER	CINTAS - SIGNATURE SERIES PURE WHITE; OR EQUAL
D	2	AUTOMATIC PAPER TOWEL DISPENSER	CINTAS - SIGNATURE SERIES PURE WHITE; OR EQUAL
E	2	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK MODEL #B-270 OR EQUAL CANTURA SERIES (SATIN FINISH) OR EQUAL
F	3	SURFACE MOUNTED SEAT-COVER DISPENSER	BOBRICK MODEL #B-221 CLASSICS SERIES (SATIN FINISH) OR EQUAL
G	2	AUTOMATIC HAND SOAP DISPENSER	CINTAS - SIGNATURE SERIES PURE WHITE; OR EQUAL
H	2	3'-6" GRAB BAR	BOBRICK MODEL #B-6806x42" (SATIN FINISH)
J	2	3'-0" GRAB BAR	BOBRICK MODEL #B-6806x36" (SATIN FINISH)
K	2	1'-6" VERTICAL GRAB BAR	BOBRICK MODEL #B-6806x18" (SATIN FINISH), OR EQUAL
L	2	DOOR MOUNTED SIGNAGE	
M	2	DOOR STRIKE SIDE MOUNTED ACCESSIBLE SIGNAGE	
N	2	MIRROR	BOBRICK MODEL #B-290 1836 SERIES (SATIN FINISH) OR EQUAL
P	1	URINAL	AMERICAN STANDARD PINTBROOK URINAL OR EQUAL AT 0.125 GPF
Q	1	URINAL SCREEN	BRADLEY - LEATHER GRAIN STAINLESS STEEL (SATIN FINISH), INCL. ALL HDV.
R	SEE PLAN	PARTITION	BRADLEY MODEL #400 SERIES - SENTINEL LEATHER GRAIN STAINLESS STEEL (SATIN BRUSH), FLR-MOUNTED OVERHEAD BRACED, OR EQUAL
S	2	SIGNAGE	SIGNAGE - CREW MUST WASH HANDS
T	3	COAT HOOK W/ BUMPER	BOBRICK MODEL #B-212 (SOLID CAST ALUM. W/ MATTE FINISH) OR EQUAL

REFER TO SHEET A8.2 FOR FINISH PLAN AND SCHEDULE.

CYCLEBAR
INTERIOR TENANT IMPROVEMENT

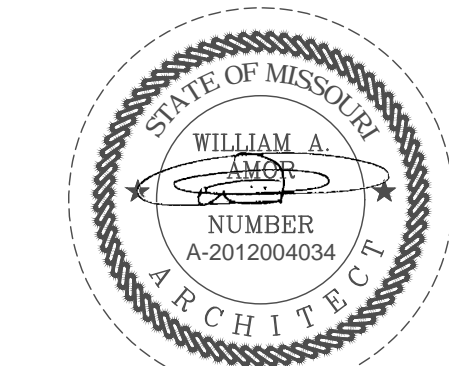
910 W NORTHWEST BLUE PARKWAY,
LEE'S SUMMIT, MO 64086

ENLARGED RESTROOM PLAN,
INTERIOR ELEVATIONS, AND DETAILS

PROJECT
LOCATION

SHEET TITLE

STAMP



DATE SIGNED: 2020-04-13
RENEWAL DATE: 2020-12-31
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REVISIONS

△	2020-04-13	PLAN CHECK CORRECTION
△		
△		
△		
△		
△		

DATE
2020.04.13
PROJECT NUMBER
A2276

SHEET NUMBER

A6.1

PERMIT SET: 2020_04_13

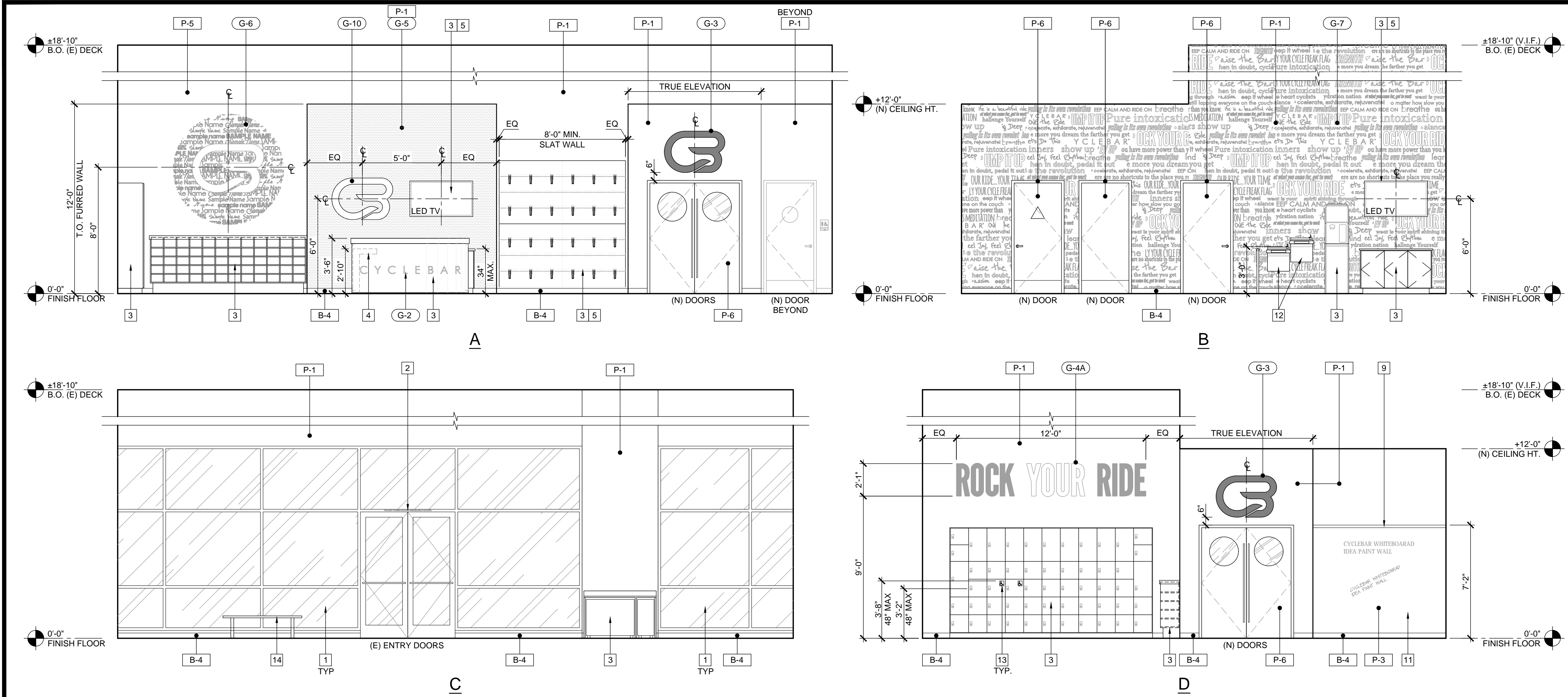
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PHONE: 720.378.3062
rachel.hilton@cyclebar.com
CONSULTANT

Plotted: 4/13/2020 2:40 PM (treadmill) File: 13_a0276_a6.2_in elev.dwg



INTERIOR ELEVATIONS @ SALES AREA / CHECK IN & COMMUNITY AREA

SCALE
1/4" = 1'-0"

6

SIGNAGE/ GRAPHICS LEGEND

REFER TO GRAPHIC KEY ON SHEET A8.3

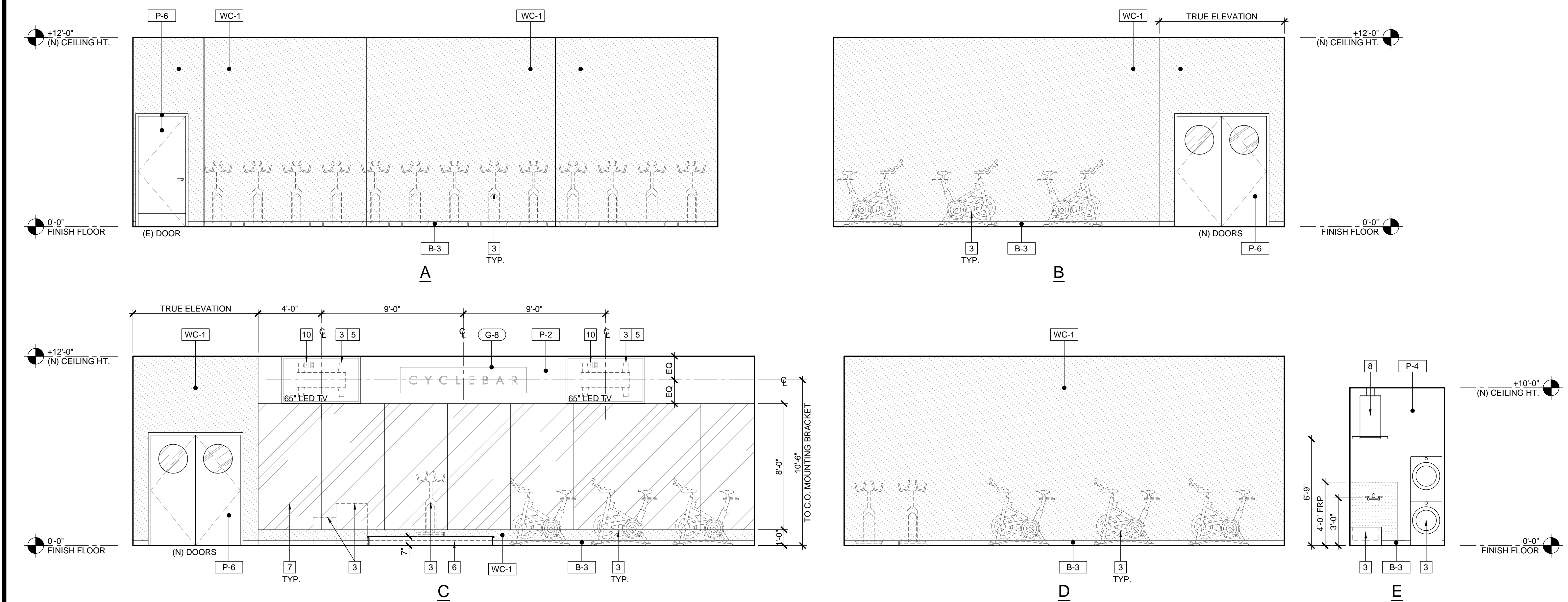
- G-1 GLAZING GRAPHICS - STOREFRONT LOGO, VINYL
- G-1A GLAZING GRAPHICS - STOREFRONT - HOURS, VINYL
- G-2 MILLWORK GRAPHICS - ON RECEPTION DESK, VINYL
- G-3 WALL GRAPHICS - LOGO OVER CYCLE THEATRE DOOR, VINYL
- G-4A WALL GRAPHICS - GRAPHICS "ROCK YOUR RIDE", VINYL
- G-5 WALL GRAPHICS - GRAY VINYL
- G-6 WALL GRAPHICS - CITY SYMBOL, VINYL
- G-7 WALL GRAPHICS - INSPIRATION WALL, VINYL
- G-8 WALL SIGNAGE - CYCLE THEATRE LOGO ILLUMINATED SIGN
- G-9 WALL SIGNAGE - ILLUMINATED LOGO - 3FT VERSION
- G-10 WALL SIGNAGE - ILLUMINATED LOGO - STANDARD SIZE

ALL FINAL LOCATION TO BE VERIFIED WITH SIGNAGE VENDOR

ALL GRAPHIC SIGNAGE TO BE SUBMITTED UNDER SEPARATE PERMIT

NOTE:
CONTRACTOR TO PROVIDE AND INSTALL SOLID WOOD BLOCKING OR PLYWOOD FOR ALL
MOUNTED ITEMS: SIGNAGE, EQUIPMENT, MILLWORK, ETC. COORDINATE EXACT
LOCATIONS w/ CYCLEBAR CONSTRUCTION REPRESENTATIVE AS REQUIRED.

NOTE:
1. REFER TO EQUIPMENT SCHEDULE ON SHEET A1.1



INTERIOR ELEVATIONS @ CYCLE THEATER AND UTILITY

SCALE
1/4" = 1'-0"

8

KEYNOTES

- (E) STOREFRONT SYSTEM TO REMAIN
- (E) "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" - ADD DECAL
- (N) EQUIPMENT AND MILLWORK REFER EQUIPMENT LIST A1.1
- (N) ACCESSIBLE COUNTER
- G.C. TO PROVIDE SUFFICIENT BACKING FOR WALL MOUNT EQUIPMENT
- (N) TRAINER'S PLATFORM
- (N) MIRRORS
- (N) WATER HEATER AND SUSPENDED PLATFORM WITH DRAIN PAN.
PROVIDE CLEARANCE AS NEEDED PER MFR'S DETAILS FOR SERVICING
BETWEEN CEILING AND TANK
- (N) 2" WHITE TRIM
- (N) DATA AND DUPLEX POWER INSTALLED BEHIND T.V.
- (N) MARKER BOARD
- (N) HIGH-LOW DRINKING FOUNTAIN
- PROVIDE ACCESSIBLE LOCKER WITH THE BOTTOM OF THE LOCKER NO LOWER THAN
15" ABOVE THE FLOOR, AND THE TOP TO BE NO GEATER THAN 48" ABOVE THE FLOOR
- (N) ADA SEATING BENCH

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rachel.hilton@cyclebar.com

CONSULTANT

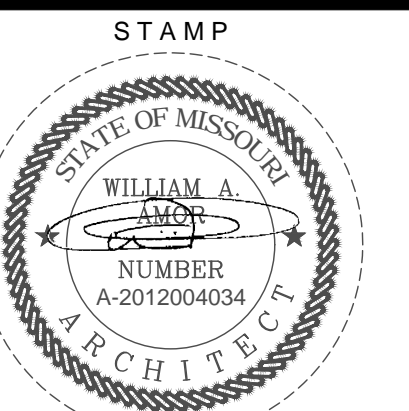
CYCLEBAR
INTERIOR TENANT IMPROVEMENT

910-W NORTHWEST BLUE PARKWAY,
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INTERIOR ELEVATIONS

PROJECT
LOCATION

SHEET TITLE



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REVISIONS

DATE
2020.04.13
PROJECT NUMBER
A2276

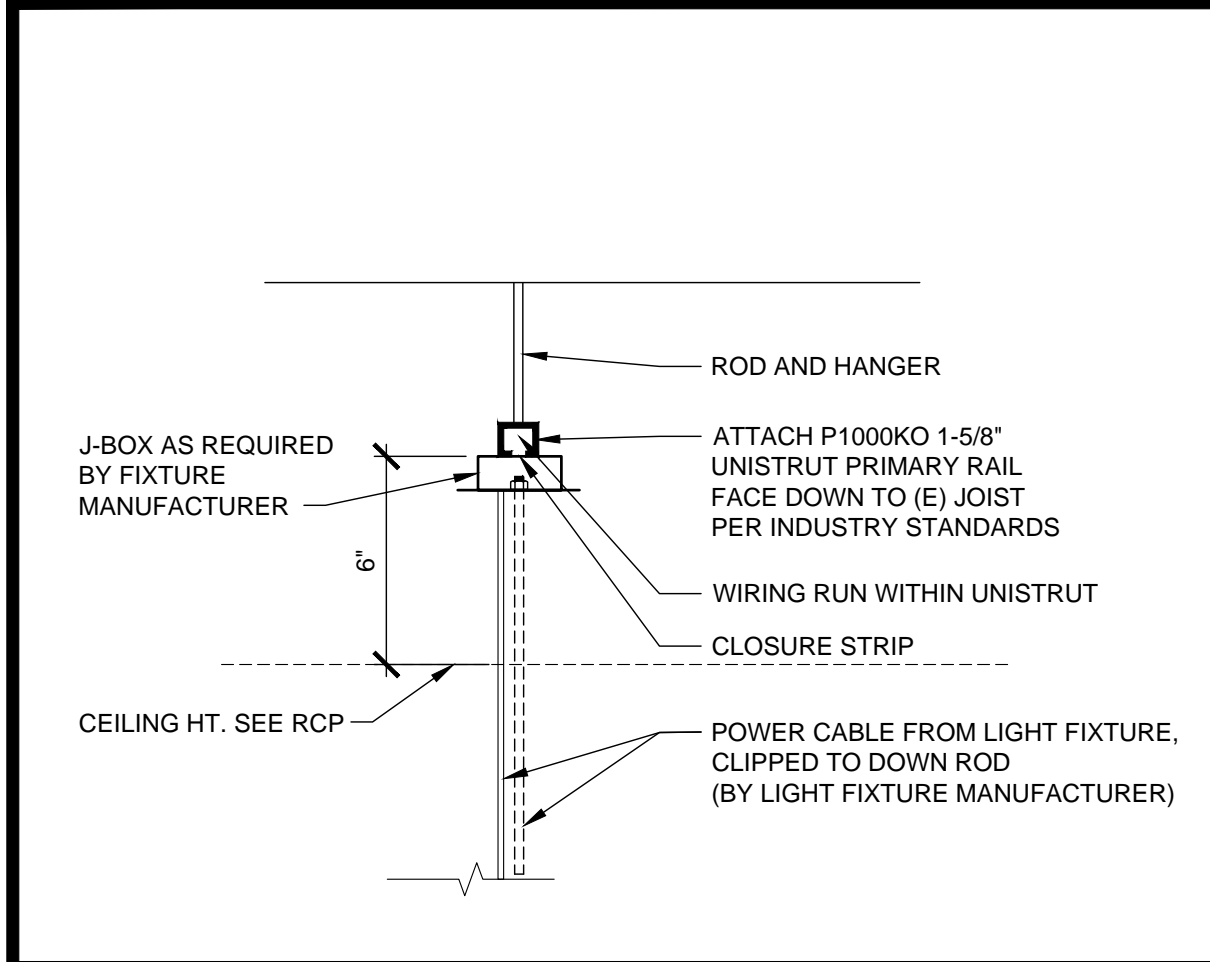
SHEET NUMBER

A6.2

PERMIT SET: 2020_04_13

PERMIT NO.: PRCOM20200716

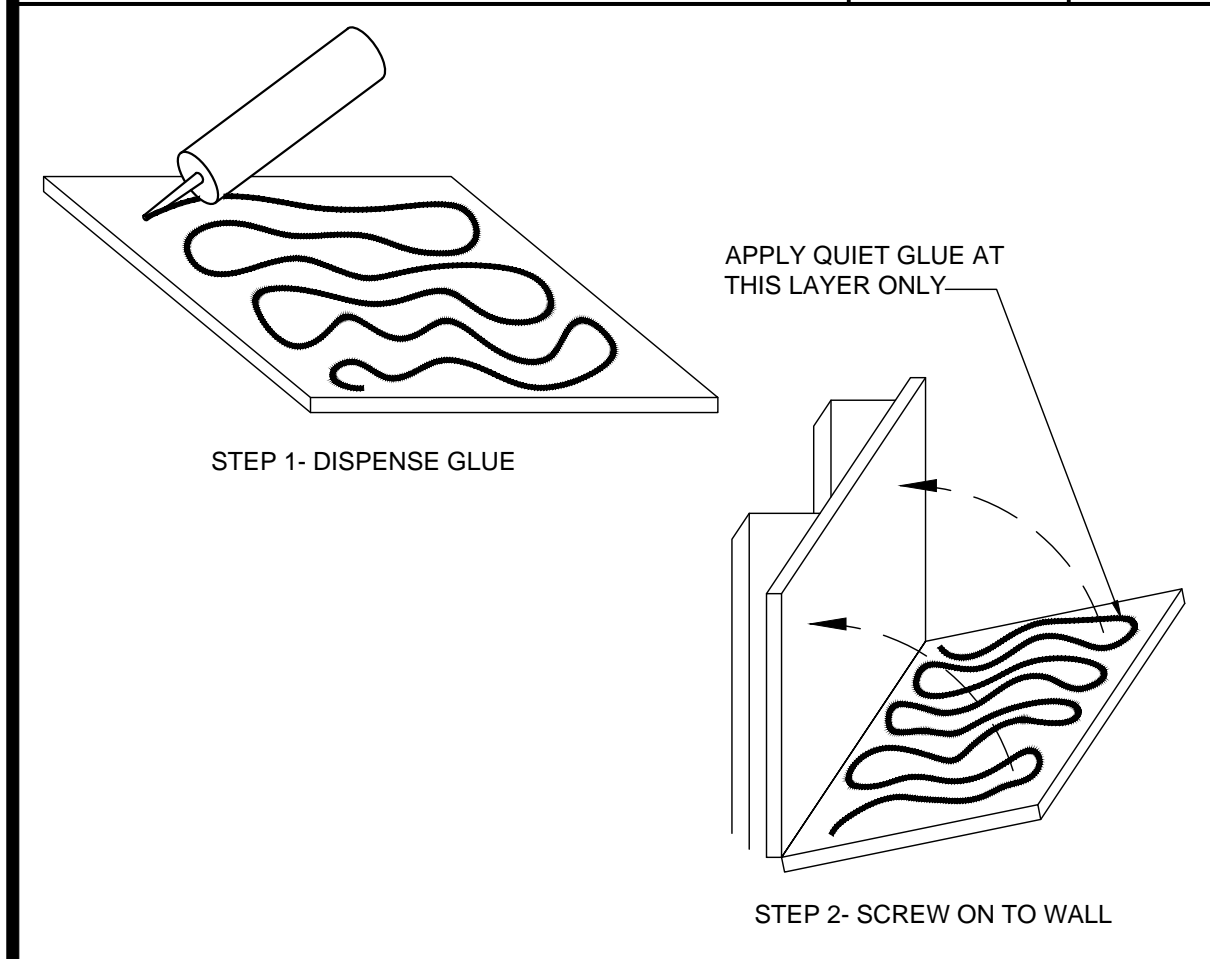
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FIXTURE CONNECTION

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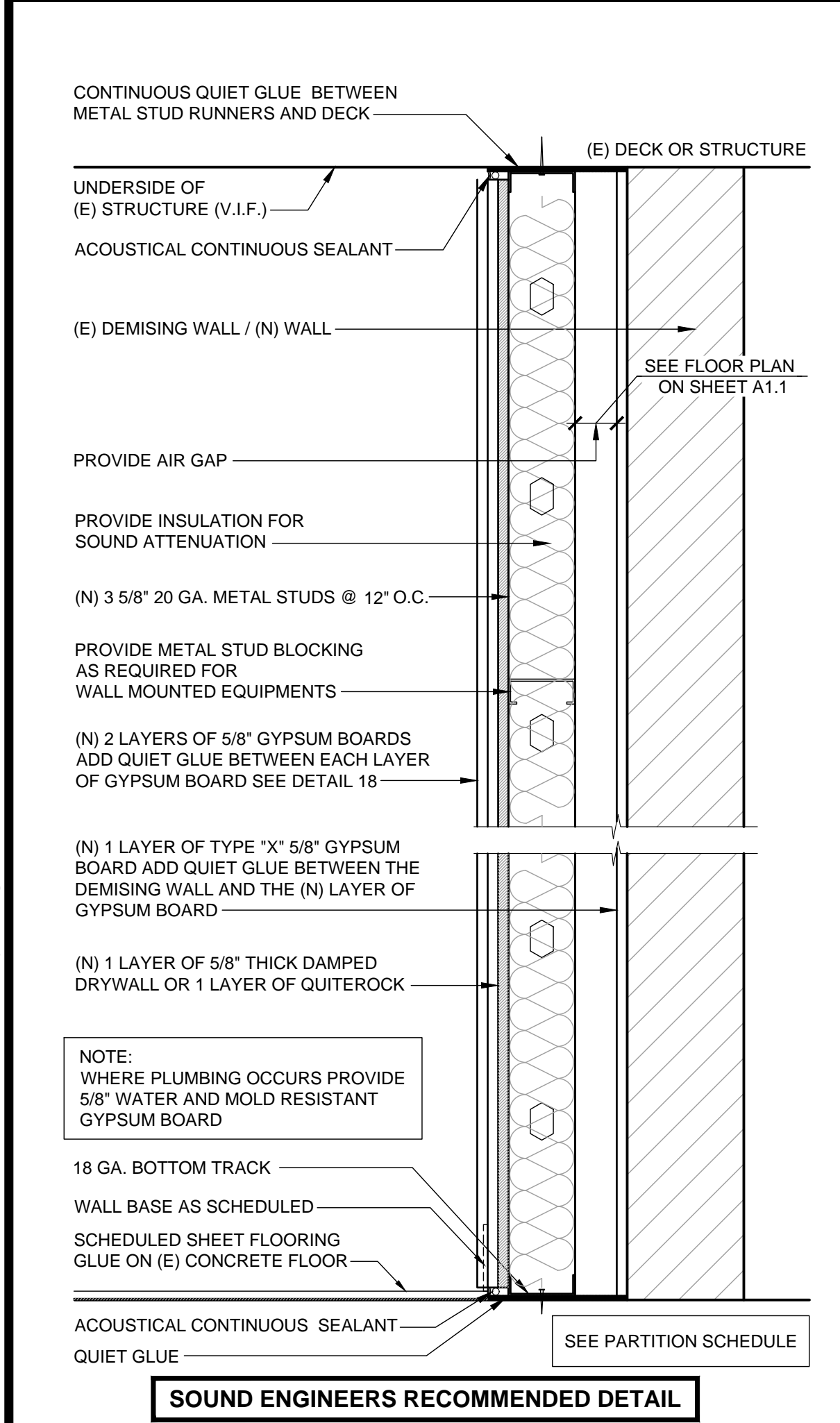
17



QUIET GLUE

SCALE NTS

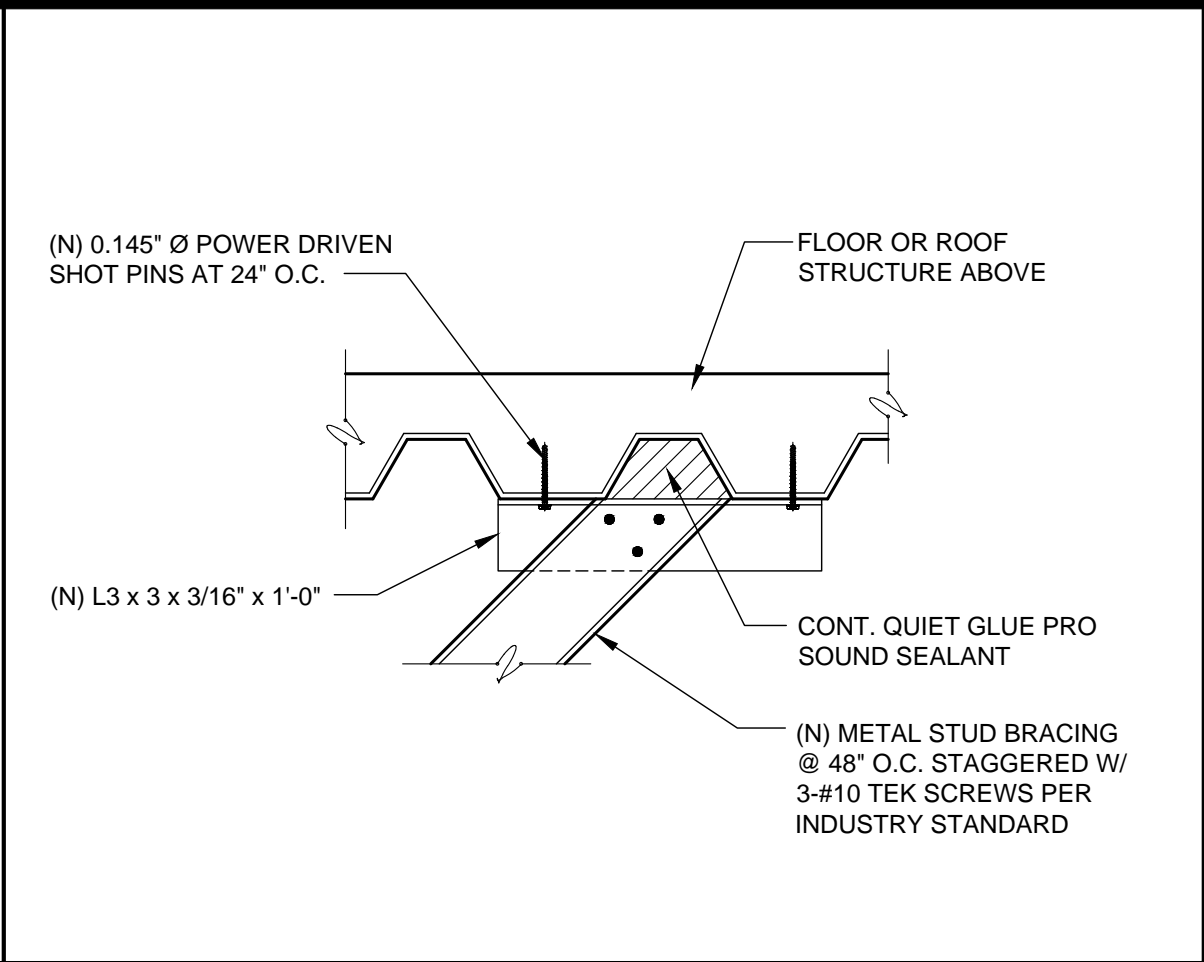
18



WALL FURRING @ DEMISING WALL

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

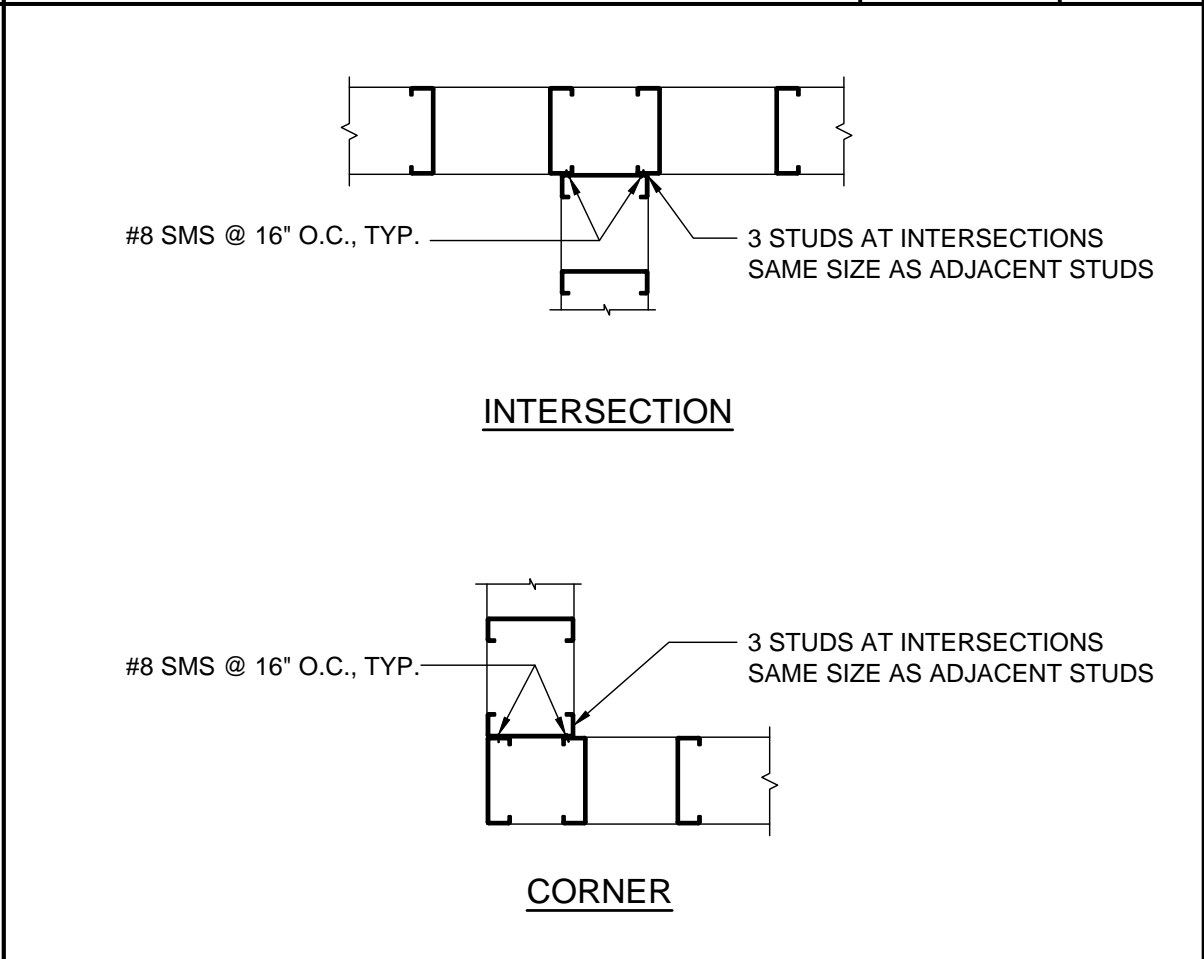
20



BRACING @ METAL DECK

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

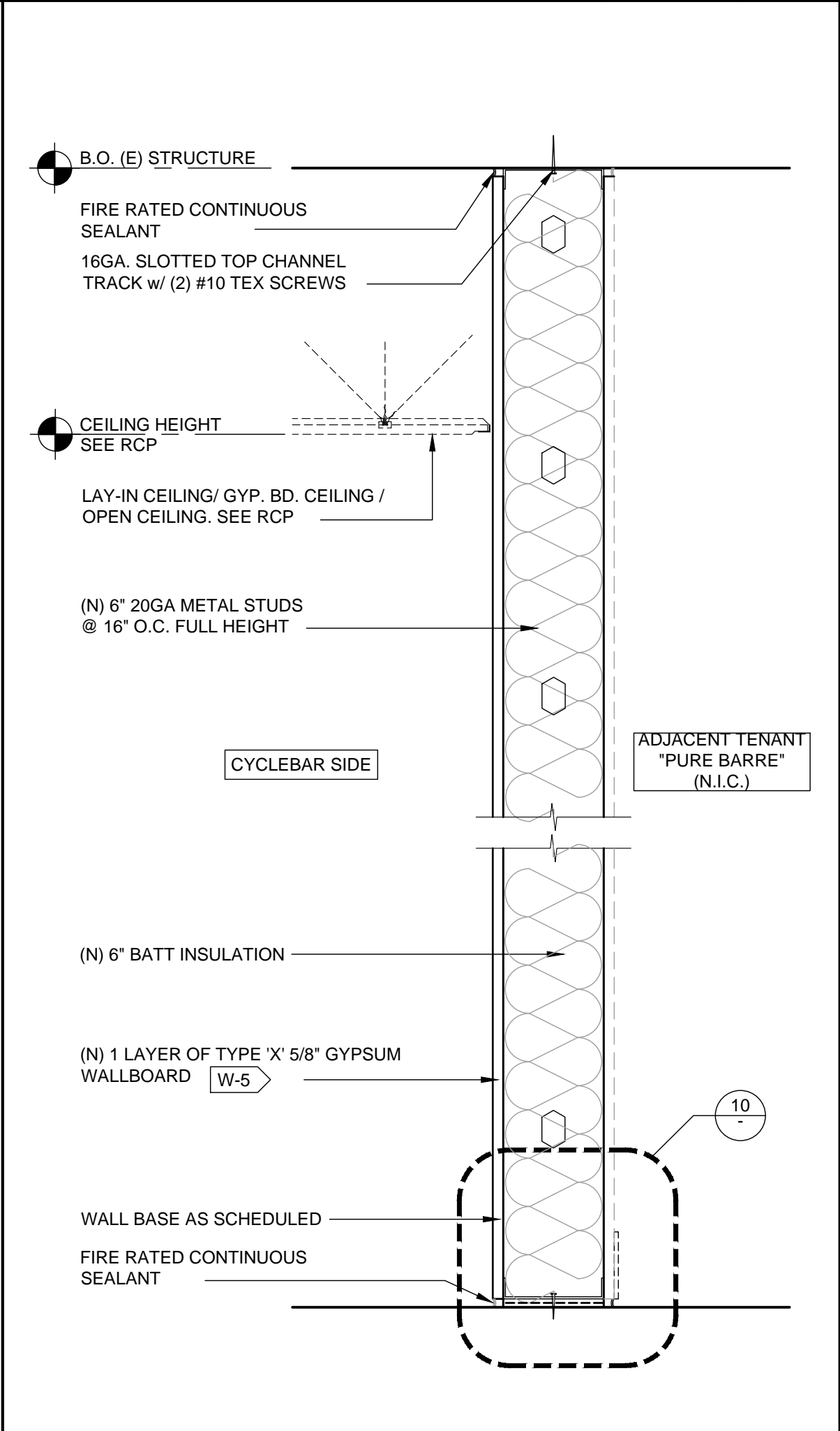
13



TYP. STUD FRAMING

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

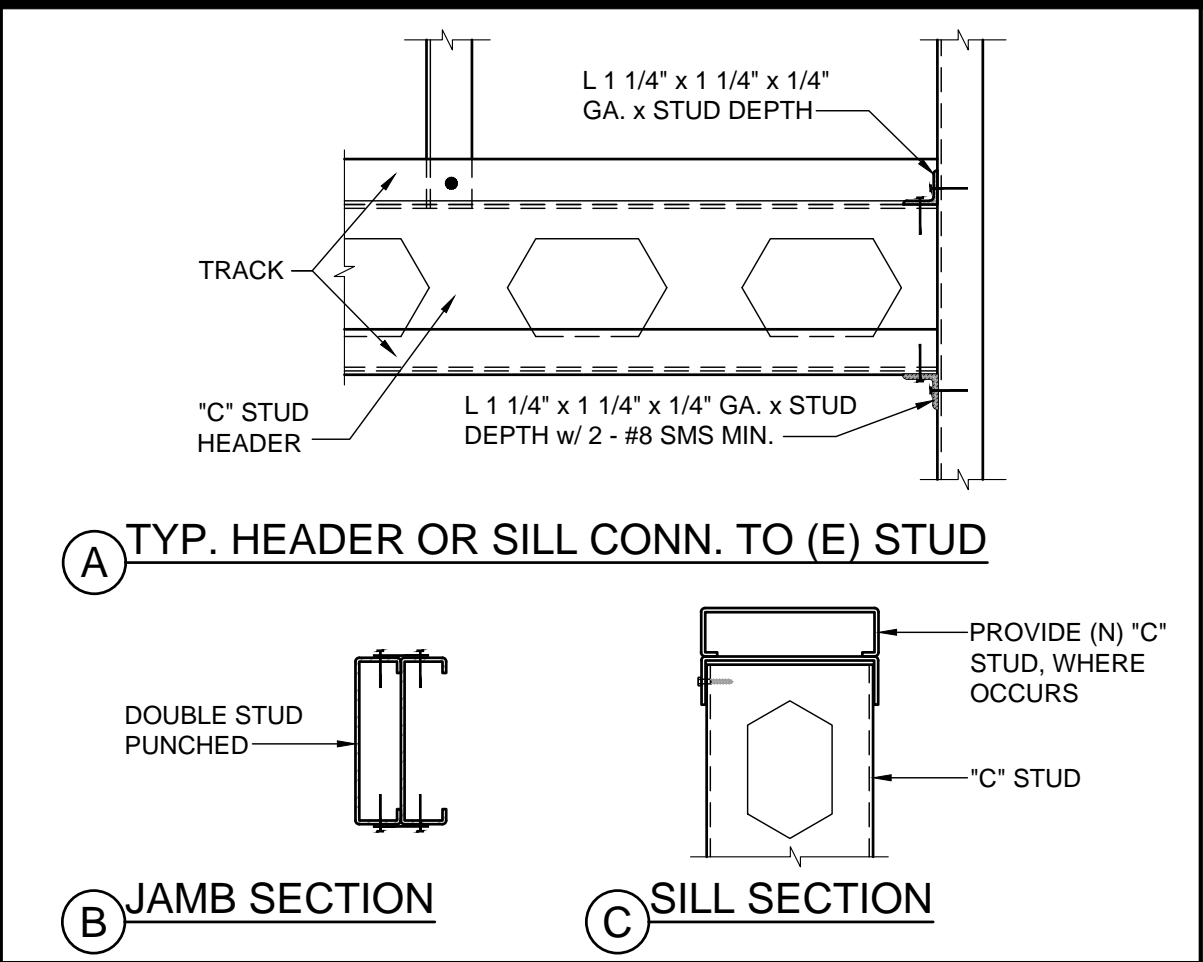
14



1-HR FIRE RATED DEMISING WALL

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

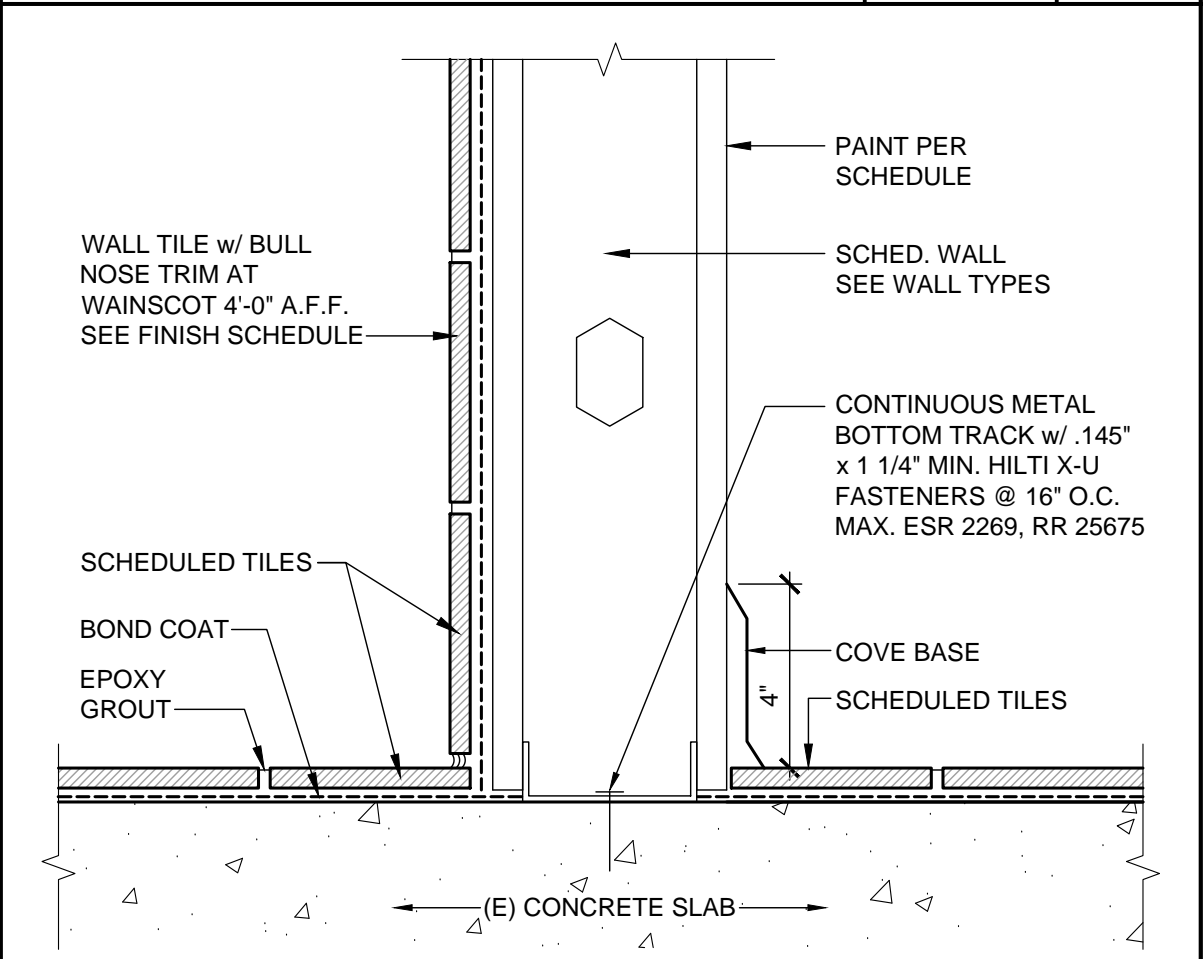
16



STUD CONNECTION

SCALE 3" = 1'-0"

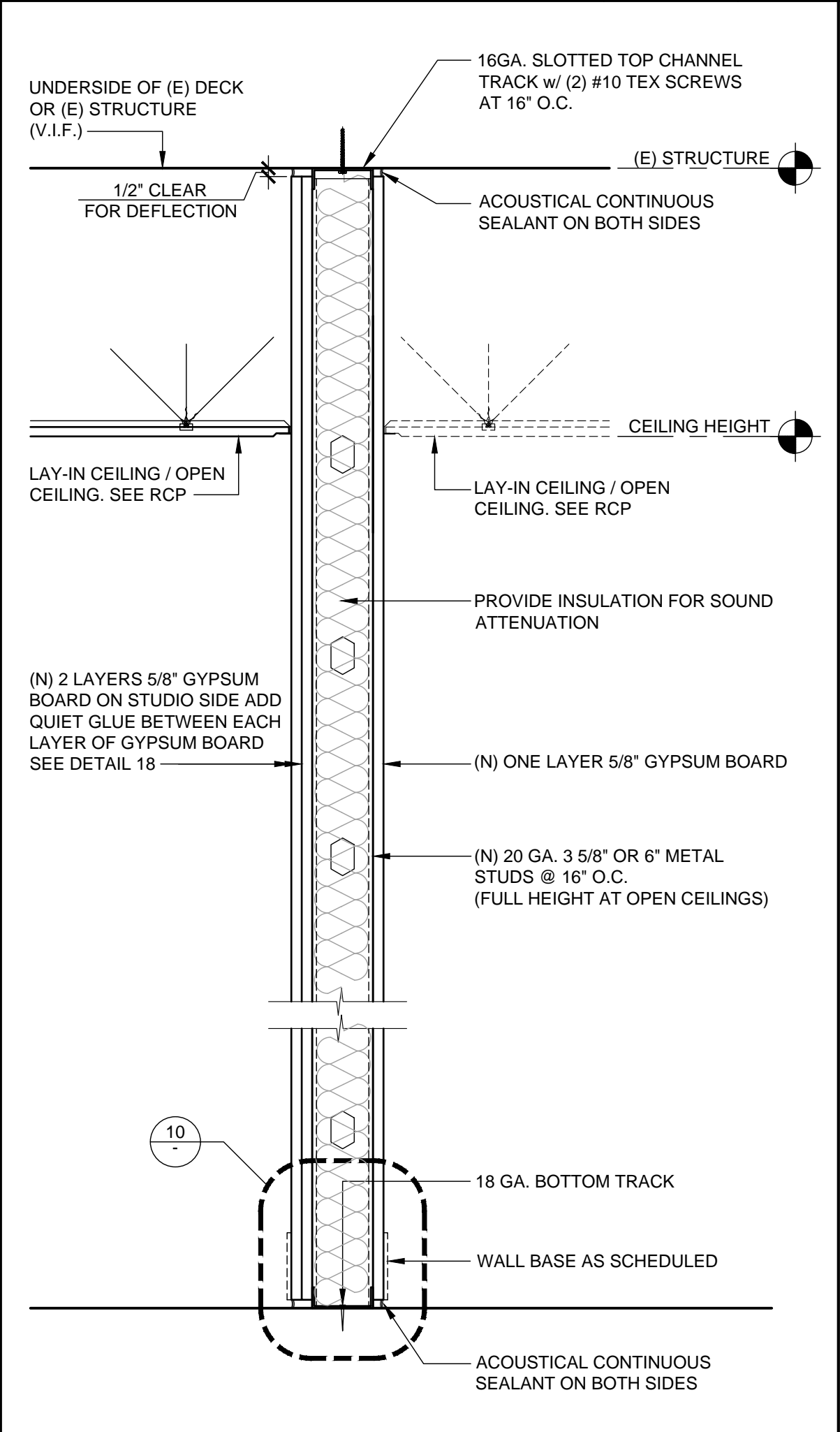
9



WALL BASE DETAIL

SCALE 3" = 1'-0"

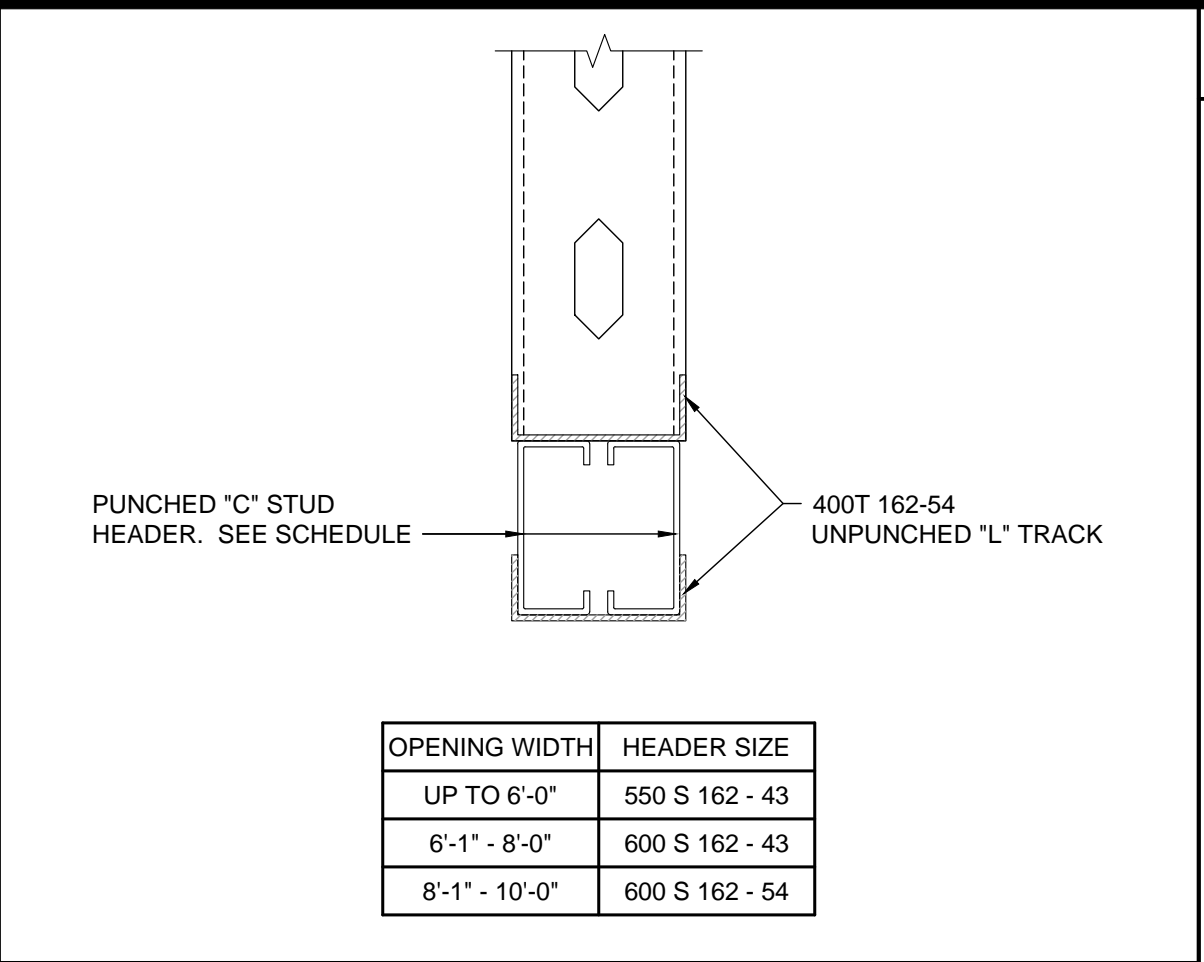
10



WALL PARTITION

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

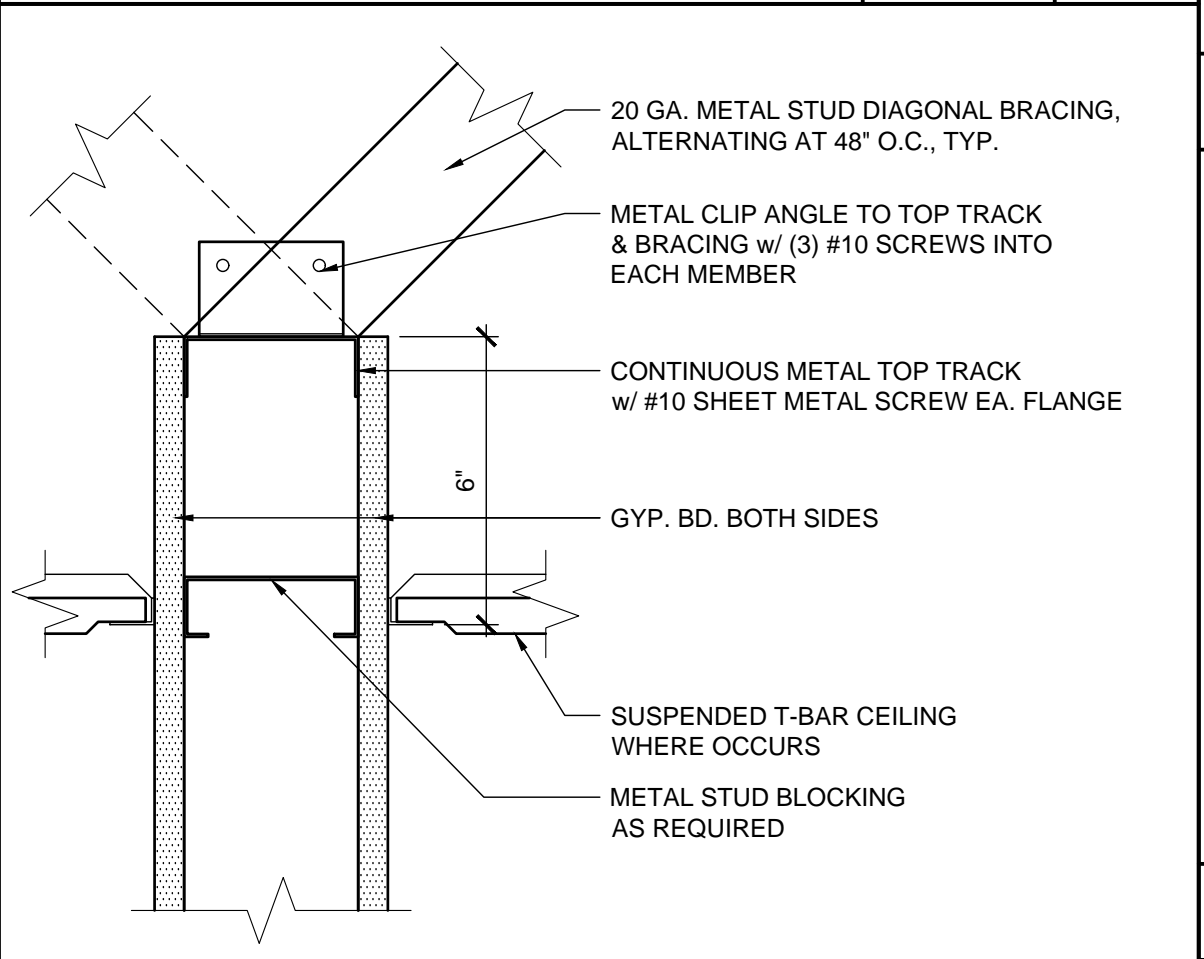
12



BOX HEADER

SCALE 3" = 1'-0"

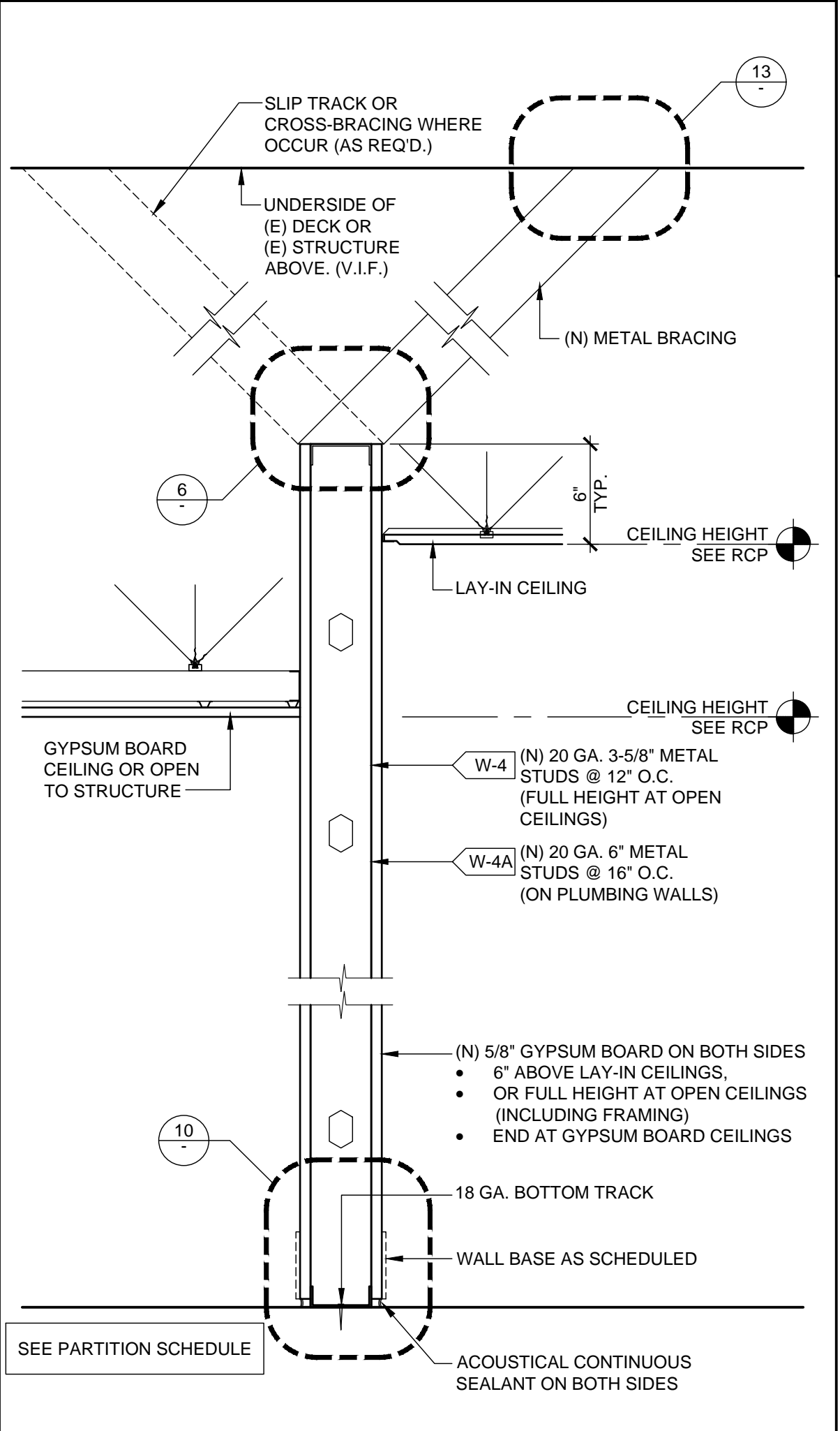
5



TOP TRACK BRACING

SCALE 3" = 1'-0"

6



WALL PARTITION NON RATED

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

8

FRAMING NOTES

- GALVANIZED STEEL MUST MEET THE MINIMUM REQUIREMENTS OF ASTM A446 GRADE D (Fy=50KSI) FOR 12 GAUGE, ASTM A446 GRADE A (Fy=33KSI) FOR 14 & 16 GAUGE, AND LIGHTER FOR THE ITEM AND USE INTENDED. GALVANIZED COATINGS MUST MEET THE ASTM A525 SPECIFICATIONS.
- CARBON SHEET STEEL MUST MEET THE MINIMUM REQUIREMENTS OF ASTM A570 GRADE 50 KSI FOR 12 GAUGE, ASTM A570 GRADE 50 KSI OR GRADE 33 KSI FOR 14 & 16 GAUGE AND GRADE 33 KSI FOR 18 GAUGE AND LIGHTER MEMBERS. CARBON SHEET STEEL PRODUCTS MUST BE THOROUGHLY COATED WITH A RUST INHIBITIVE PAINT.
- ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" 2010 EDITION WITH SUPPLEMENT 2.
- METAL STUDS AND / OR JOISTS:
 - FOR METAL STUD WALLS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS, PROVIDE STANDARD PUNCHED STEEL MEMBERS OF THE GAUGES SHOWN ON THE DRAWINGS.
 - USE ONLY ONE TYPE THROUGHOUT THE WORK, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR SPECIFICALLY APPROVED IN ADVANCE BY THE ENGINEER AND/OR ARCHITECT.
- ACCESSORIES: PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.
- FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR WELDING. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH A ZINC RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT.
- PROVIDE A GOOD GRADE OF COMMERCIAL GROUT FOR LEVELING THE FLOOR RUNNER MEMBER OF STEEL STUD PARTITIONS AS REQUIRED.

PARTITION SCHEDULE

1. ALL THE METAL STUDS USED SHALL BE "ICC-ES" TYPE OR APPROVED EQUAL.

2. THE BRIDGING, BLOCKING OR END BEARING STIFFENERS SHALL BE AS REQUIRED BY THE MANUFACTURER UNLESS NOTED OTHERWISE ON THE DRAWINGS.

3. ALL THE STUDS SHALL CONFORM TO "ICC-ES EVALUATION REPORT" ESR-3064P OR APPROVED EQUAL.

4. UNLESS OTHERWISE NOTED ON THE PLANS, USE THE FOLLOWING GUIDELINE FOR STUD SIZE & SPACING FOR INTERIOR PARTITIONS.

5. TOP TRACK SIZE WILL BE 20 GA. MINIMUM FOR PARTITION, U.N.O.

6. SCAFCO SLOTTED TRACK, 400SLT250-43 OR 600SLT250-33, 18 GA. "ICC-ES EVALUATION REPORT" ESR-3064P OR APPROVED EQUAL.

SIZE	MAXIMUM PARTITION HEIGHT (5psf L240)			
	SPACING	HEIGHT (COMPOSITE)	HEIGHT (NON-COMP.)	HEIGHT (BRACED 48"OC)
362 S 125 - 33	12"	19' - 2"	17' - 7"	17' - 8"
362 S 125 - 33	16"	17' - 5"	16' - 0"	16' - 1"
400 S 125 - 33	16"	18' - 3"	17' - 3"	17' - 4"
600 S 125 - 33	16"	25' - 6"	23' - 9"	23' - 11"

METAL JOIST SCHEDULE

1. USE "ICC-ES EVALUATION REPORT" ESR-3064P OR APPROVED EQUAL.

2. USE 600S125-43 @ 16" O.C. UP TO 16'-0" MAXIMUM SPAN WHERE CEILING SUPPORTED TOILET PARTITIONS OCCUR.

3. STUD TRACKS SHALL BE UNPUNCHED STUDS OF SAME GAUGE AS STUD UNLESS NOTED OTHERWISE.

4. ACOUSTIC CEILING TIES (SEE FINISH SCHEDULE) WITH 1 - #8 SCREWS AT EACH JOIST.

GYPSUM BOARD CEILING	CEILING TIES (BRACING) SPACING	SIZE	MAXIMUM SPAN	
			SPAN	SPAN
GYPSUM BOARD CEILING	4' - 0"	362 S 125 - 30	16"	8' - 0"
	3' - 6"	550 S 125 - 30	16"	11' - 0"
	3' - 6"	600 S 125 - 30	16"	16' - 0"

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 2020-04-13
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PROJECT NUMBER: A2276

SHEET NUMBER: A7.1

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CONSULTANT

CYCLEBAR

INTERIOR TENANT IMPROVEMENT

910-W NORTHWEST BLUE PARKWAY,
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WALL AND MISCELLANEOUS DETAILS

PROJECT LOCATION

SHEET TITLE

STAMP

STATE OF MISSOURI
WILLIAM A. HILTON
ARCHITECT
NUMBER A-2012004034

DATE SIGNED: 2020-04-13
RENEWAL DATE: 2020-12-31

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SHEET NUMBER: A7.1

PERMIT NO.: PRCOM20200716

PERMIT SET: 2020_04_13

Printed: 4/13/2020 2:40 PM (tuesday) File: 15_a2276_a8.1_dri and window sched.dwg

Consolidated Fabricators

2007 North American Specification ASD

SECTION DESIGNATION: 362S162-33 [33] Single

Section Dimensions:
Web Height = 3.625 in.
Top Flange = 1.625 in.
Bottom Flange = 1.625 in.
Stiffening Lip = 0.500 in.
Inside Corner Radius = 0.0765 in.
Punchout Width = 1.500 in.
Punchout Length = 4.000 in.
Design Thickness = 0.0346 in.

Steel Properties:
F_y = 33,000 ksi
F_u = 45,000 ksi
E = 33,000 ksi

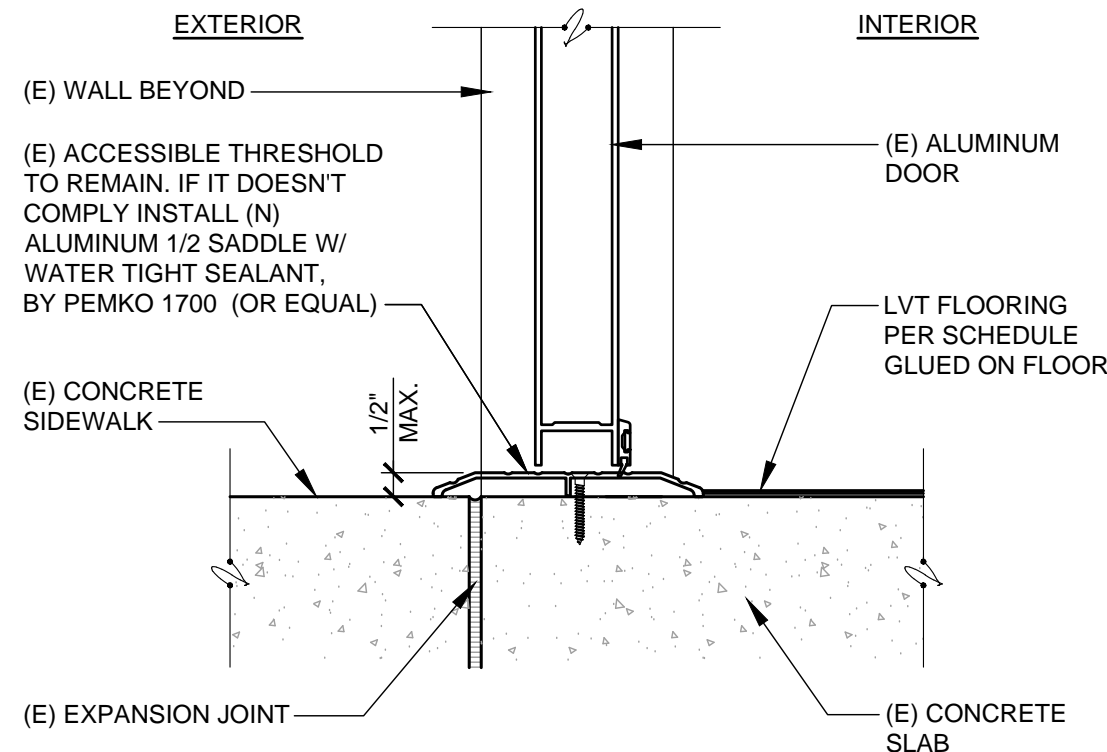
ALLOWABLE FLOOR JOIST SPANS

INPUT PARAMETERS
Dead Load = 10.0 psf
Live Load = 100.0 psf
Two-Span Live Load Deflection Based on Alternate Span Loading
Bearing Lengths for Web Crippling:
End Condition = 1.0 in.
Interior Condition = 3.5 in.
Allowable Shear and Web Crippling Based on Unpunched Web

K_{pl} for Distortional Buckling = 0.00 lb/in

ALLOWABLE SPANS

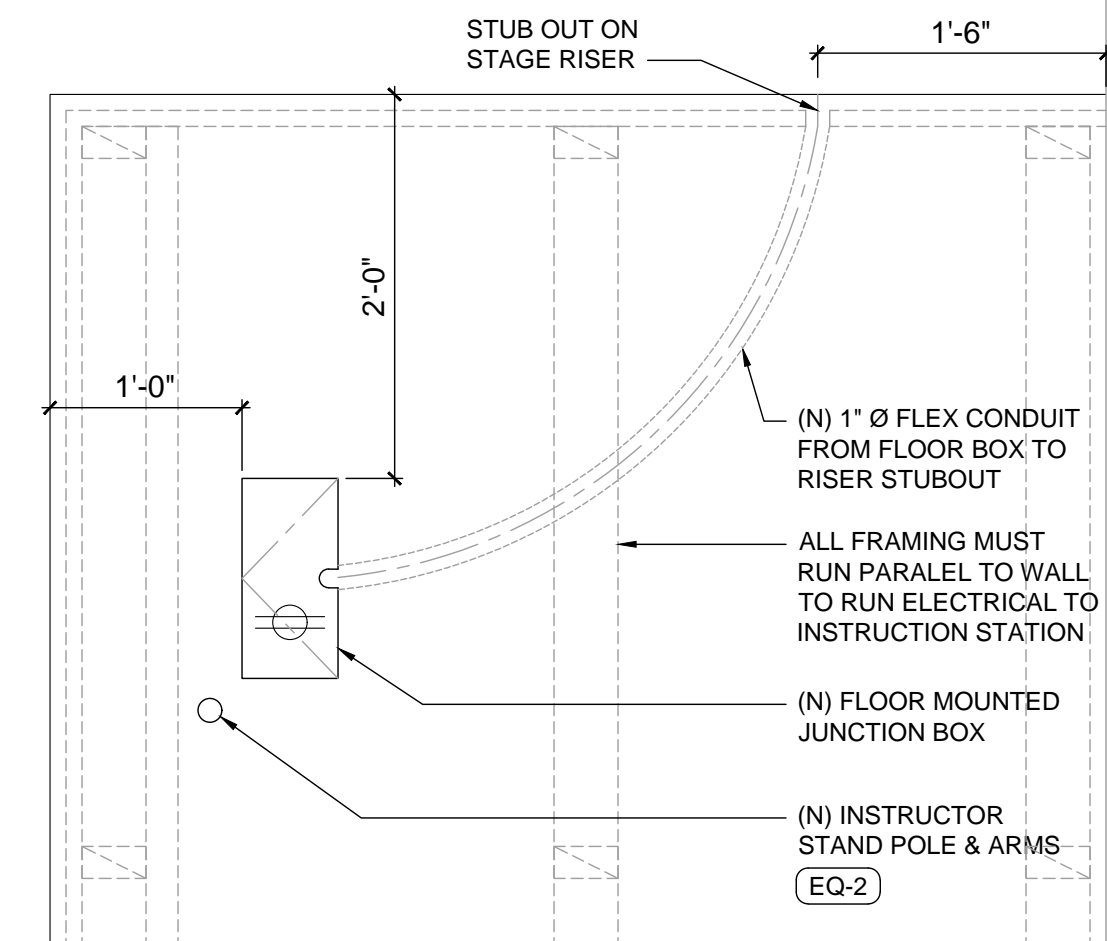
WITH TRANSVERSE WEB STIFFENERS			
JOIST SPACING			
	12.0 in	16.0 in	24.0 in
SINGLE SPAN	5'7" @	4'10" @	4'0" @
TWO EQUAL SPANS	5'7" @	4'10" @	4'0" @
Stiffeners required as noted: s = end, i = interior, a = all			
WITH UNSTIFFENED WEBS			
JOIST SPACING			
	12.0 in	16.0 in	24.0 in
SINGLE SPAN	3'0"	2'3"	1'9"
TWO EQUAL SPANS	3'4"	2'7"	1'10"



THRESHOLD DETAIL

SCALE
3" = 1'-0"

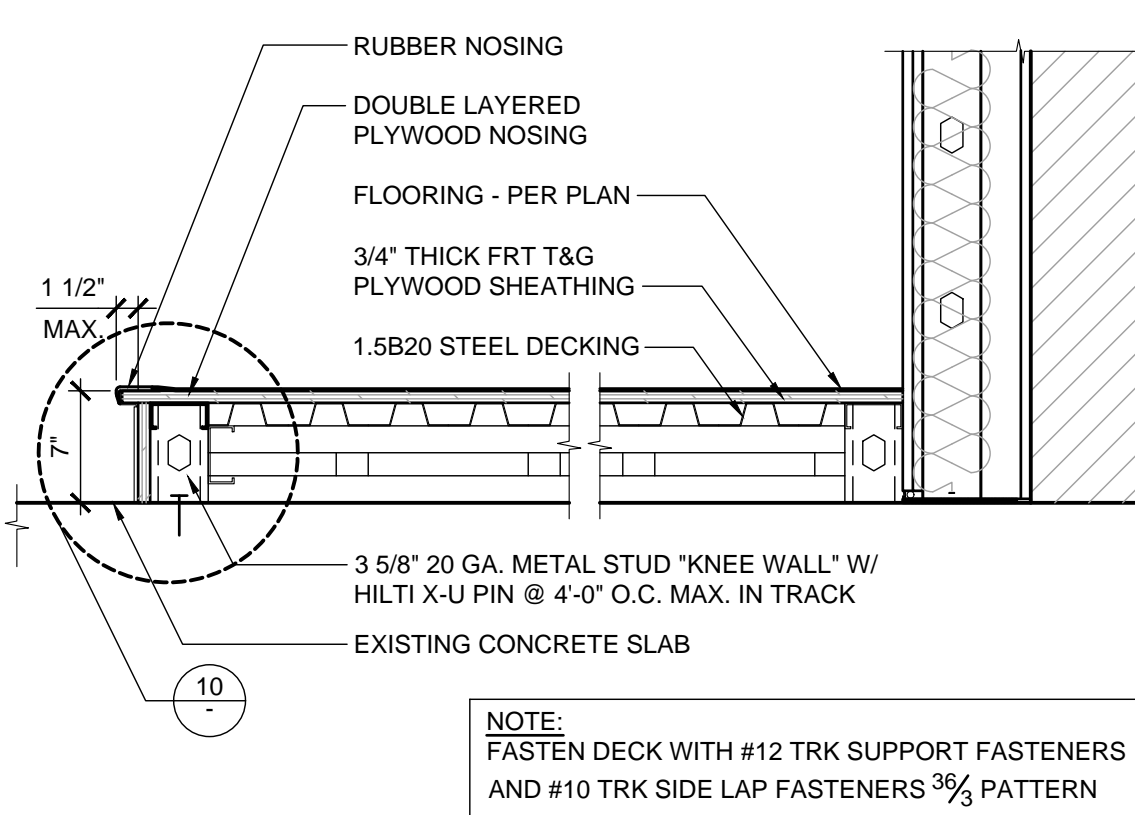
13



STAGE WITH FLOOR BOX

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

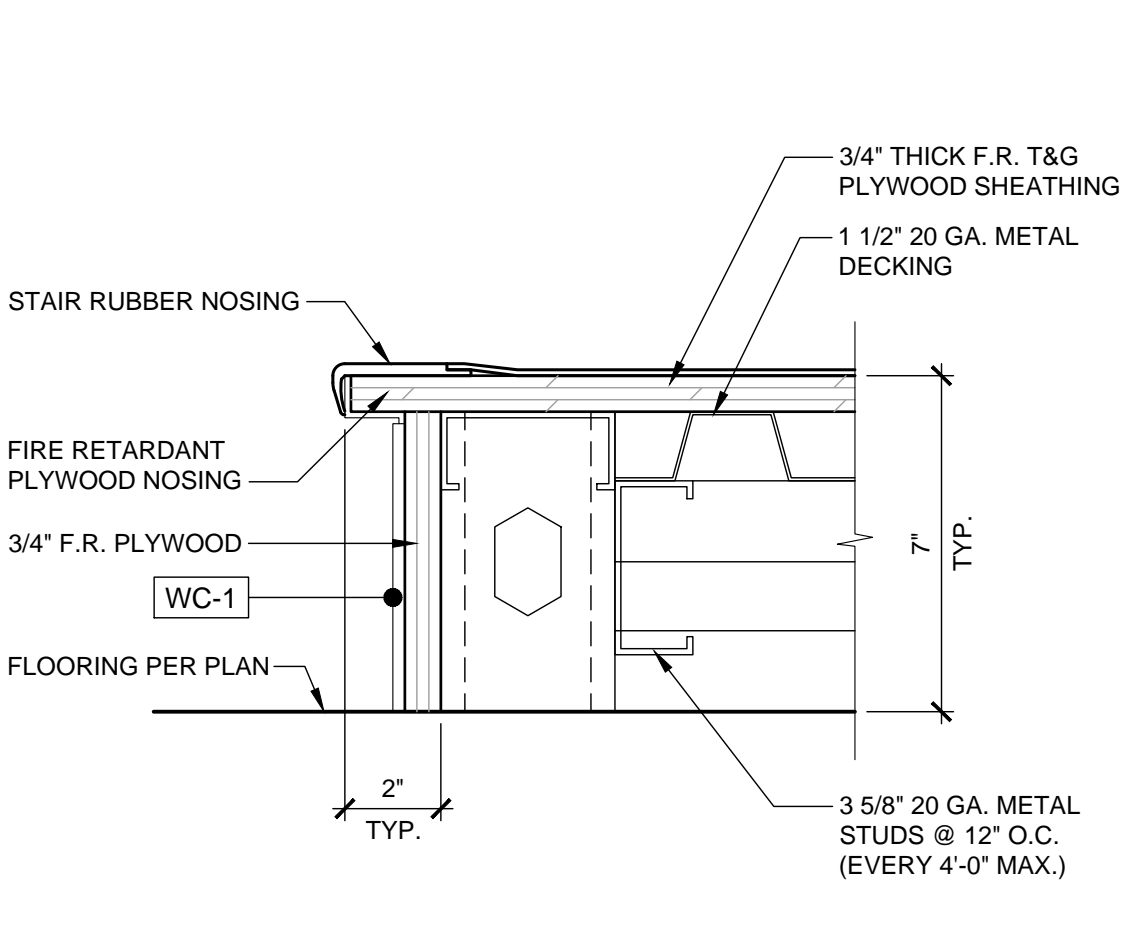
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TRAINER'S PLATFORM

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

9



PLATFORM RISER

SCALE
3" = 1'-0"

10

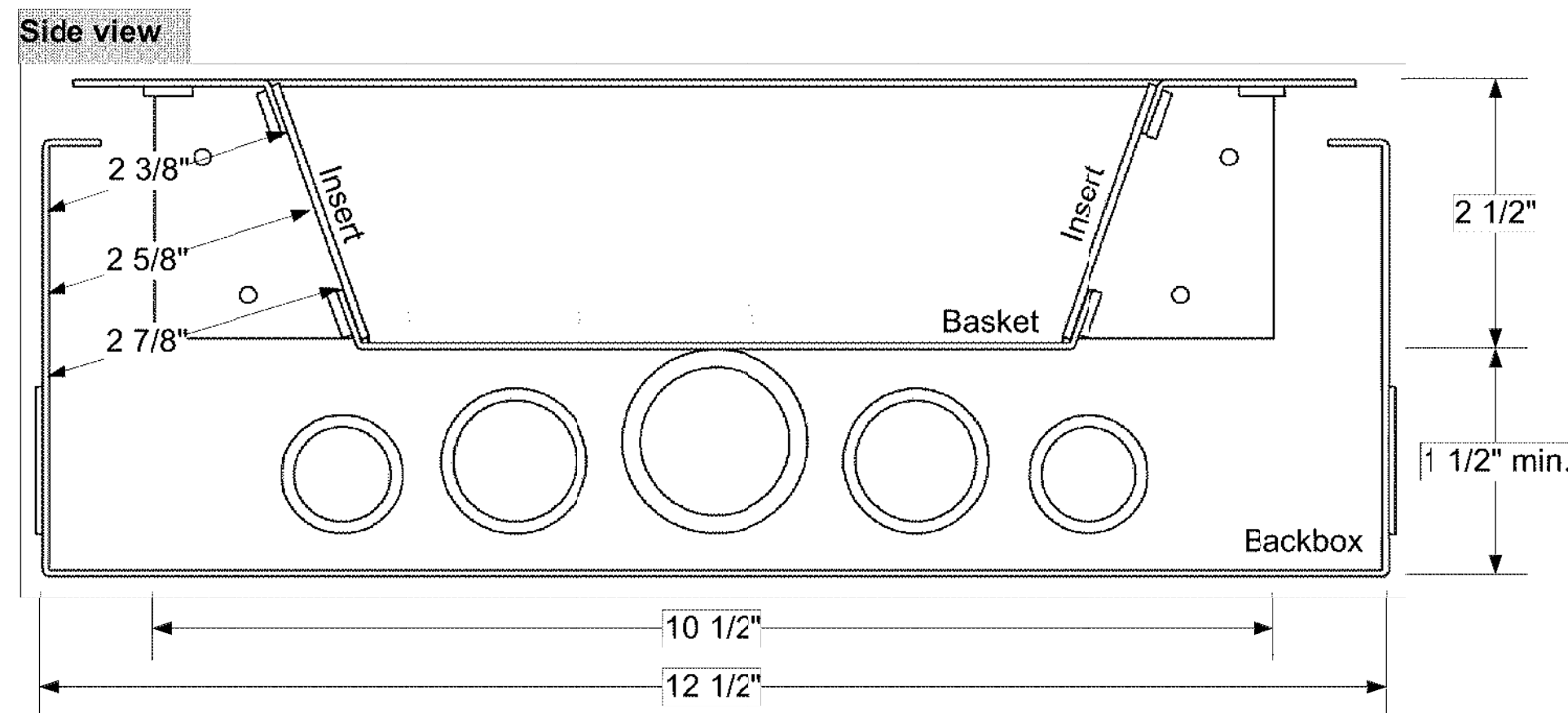
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Mystery Electronics, LLC
6438 Morton Road
Greenbrier, TN 37073
800 798 2256 sales
615 643 8460 voice
615 643 8464 fax

www.mysteryelectronics.com

Dimensional data: FMCA2000 basket in BB2000 backbox

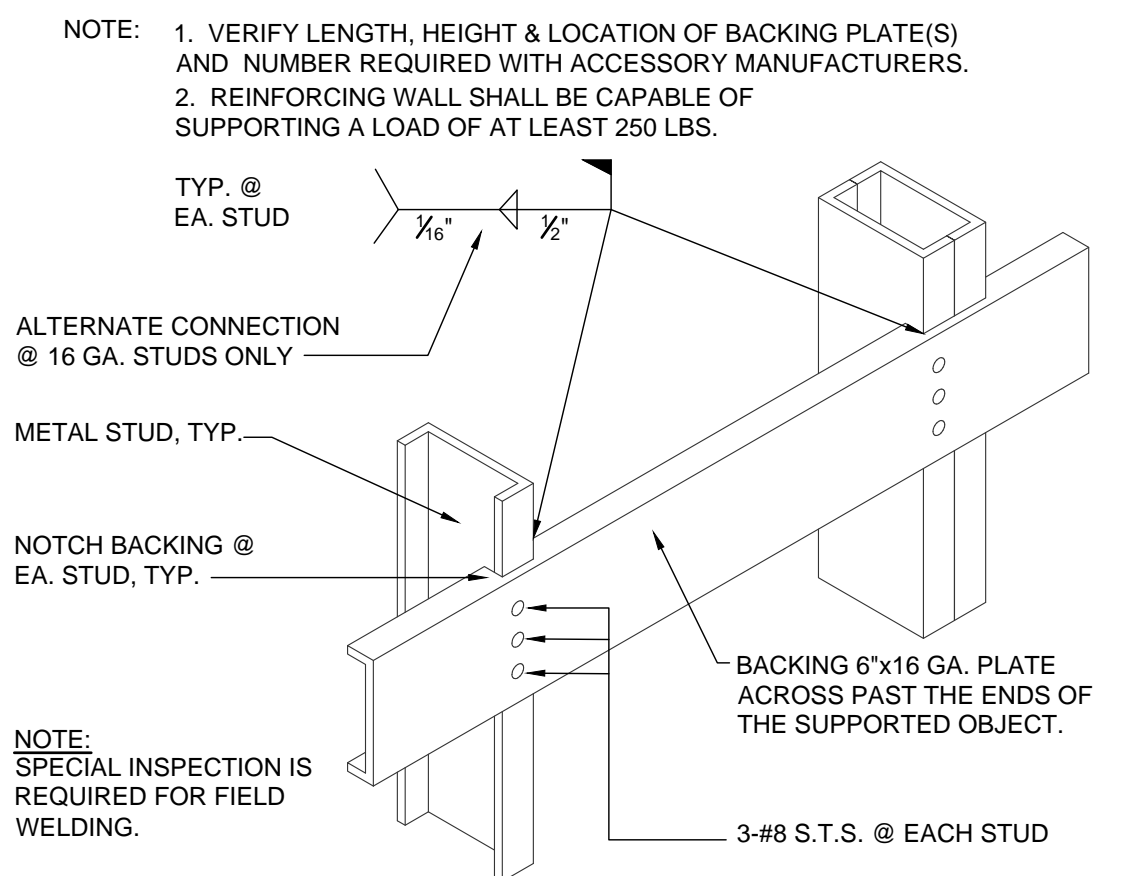
Dimensions nominal. Specifications subject to change.



FLOOR BOX CUT SHEET

SCALE
N.T.S.

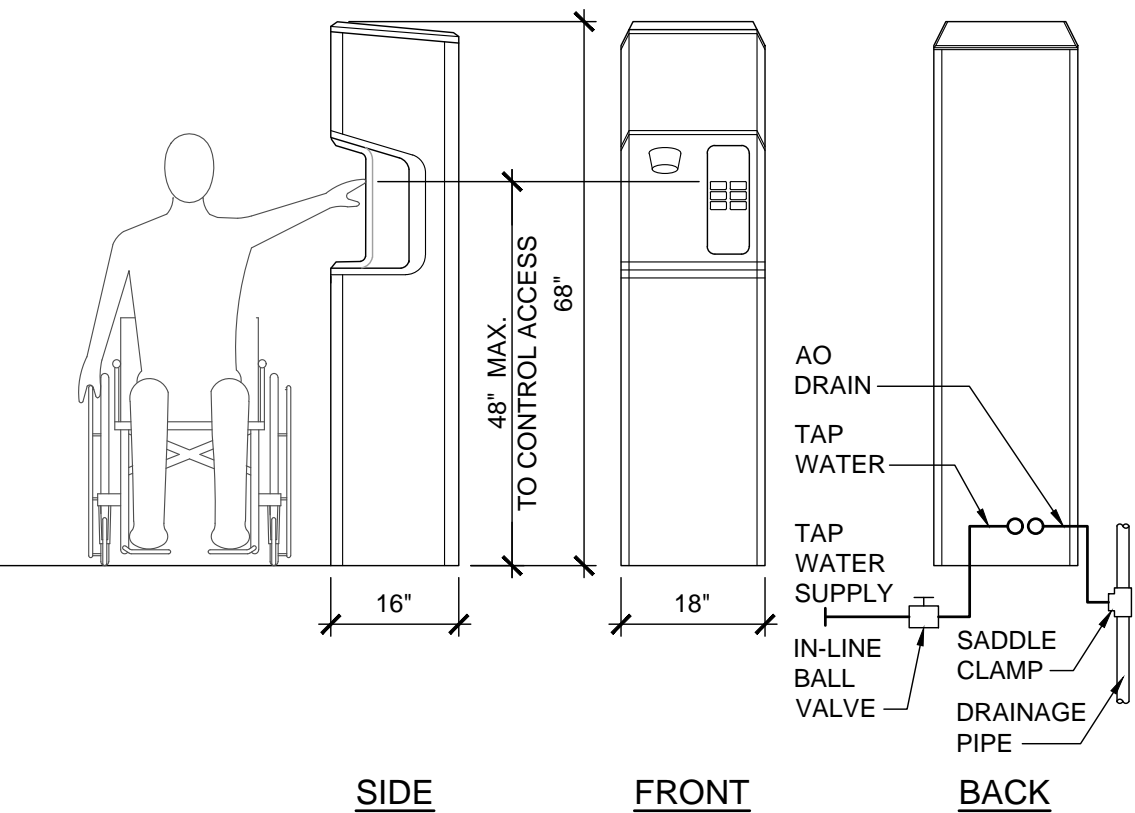
16



BACKING PLATE @ METAL STUD

SCALE
3" = 1'-0"

11



ADA COMPLIANCE WATER DISPENSER

SCALE
1/2" = 1'-0"

12

DOOR SCHEDULE												
NO.	ROOM NAME	DOOR					HDW. SET NO.	FRAME				REMARKS
		SIZE	THK.	TYPE	MAT'L	FINISH		MAT'L	FINISH	HEAD	JAMB	
101	SALES AREA/ CHECK IN	PR 3'-0" x 7'-0"	(E)	(E)	(E)	(E)	5	(E)	(E)	(E)	(E)	
102	OFFICE	3'-0" x 7'-0"	1-3/4"	A	S.C.	P-6	3	H.M.	P-6	4/A8.1	8/A8.1	
103	UTILITY	3'-0" x 7'-0"	1-3/4"	A	S.C.	P-6	1	H.M.	P-6	4/A8.1	8/A8.1	
104	MEN'S RESTROOM	3'-0" x 7'-0"	1-3/4"	A	S.C.	P-6	4	H.M.	P-6	4/A8.1	8/A8.1	
105	WOMEN'S RESTROOM	3'-0" x 7'-0"	1-3/4"	A	S.C.	P-6	4	H.M.	P-6	4/A8.1	8/A8.1	
106	CYCLE THEATER	PR 3'-0" x 7'-0"	1-3/4"	B	S.C.	P-6	2	H.M.	P-6	4/A8.1	8/A8.1	
107	CYCLE THEATER	3'-0" x 7'-0"	(E)	(E)	(E)	P-6	5	(E)	P-6	(E)	(E)	

DOOR AND HARDWARE NOTES

FINISH NOTES:

- ALL INTERIOR NEW DOORS TO BE SOLID CORE WOOD AND FRAMES TO BE HOLLOW METAL.
- PAINT ALL DOOR FRAMES AND DOORS, SEE FINISH LEGEND ON SHEET A8.1 FOR PAINT COLOR.

DOOR / HARDWARE NOTES:

- ALL KEYING TO BE PER LANDLORD AND FRANCHISEE'S REQUIREMENTS - EXTERIOR DOORS AND SUITE ENTRANCES ALSO KEYED LIKE BUILDING MASTER
- EGRESS DOOR HARDWARE SHALL BE SINGLE - CYLINDER LEVER TYPE LOCKSET, ALLOWING EGRESS FROM FRANCHISEE SPACES AT ALL TIMES WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.
- MANUALLY OPERATED OR SURFACE MOUNTED FLUSH BOLTS SHALL NOT BE INSTALLED ON EGRESS DOORS.
- ALL DOOR AND WINDOW GLAZING SHALL BE 1/4" MINIMUM CLEAR TEMPERED, UNLESS NOTED OTHERWISE.
- DOOR CLOSERS SHALL TAKE AT LEAST THREE SECONDS TO MOVE TO A POINT THREE INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR. ALL DOORS NOT LABELED ARE EXISTING AND ARE TO REMAIN AS IS.
- NEW DOORS SHALL BE LOCATED 5' FROM ADJACENT WALL UNLESS NOTED OTHERWISE, OR AS REQUIRED FOR HARDWARE INSTALLATION.
- DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE AT A MAXIMUM HEIGHT OF 48 INCHES ABOVE THE FINISHED FLOOR THE OPERATING DEVICES SHALL BE CAPABLE OF OPERATION WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.
- ALL MEANS OF EGRESS DOORS SHALL BE OF A SIDE-SWINGING TYPE.
- ALL DOORS SHALL SWING IN THE DIRECTION OF EGRESS WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS OR WHERE SERVING A HIGH-HAZARD OCCUPANCY.
- THE OPENING FORCE FOR INTERIOR SIDE-SWINGING DOORS WITHOUT CLOSERS SHALL NOT EXCEED A 5-POUND FORCE. FOR ALL OTHER SIDE-SWINGING, SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15-POUND FORCE. THE DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30-POUND FORCE. THE DOOR SHALL SWING TO A FULL-OPEN POSITION WHEN SUBJECTED TO A 15-POUND FORCE. FORCES SHALL BE APPLIED TO THE LATCH SIDE.
- CIRCULAR VISION PANEL TO BE TINTED BLACK

SET #1: UTILITY

3 HINGES	1 STOREROOM LOCKSET	FBB179-4 1/2 x 4 1/2 NRP QCL271 478S LC	US26D 626	STANLEY STANLEY COMMERCIAL HARDWARE BEST TRIMCO
1 CYLINDER	1 KICK PLATE	OWNER STANDARD K0050 10"X2" LDWX X CSK B4E 1270WV 1229 SERIES	626 630	
1 WALL BUMPER	3 DOOR SILENCERS		630 GREY	TRIMCO TRIMCO

SET #2: STUDIO DOOR (SEE PLAN FOR # OF DOORS)

2 DOUBLE ACTING	CLOSER SET	RTS/03 105/ HO BFI 1802-25-PH	689 630	DORMA TRIMCO
2 PUSH - PULL		SH-LHP-S-60-1250 (OR EQUAL)	--	STRONGAR MODERN TRIMCO
4 FLOOR STOP	1 THRESHOLD	1214 (MOUNT PER DETAIL) PER DETAIL (AS REQUIRED)	626 AL	NATIONAL GUARD PRODUCTS

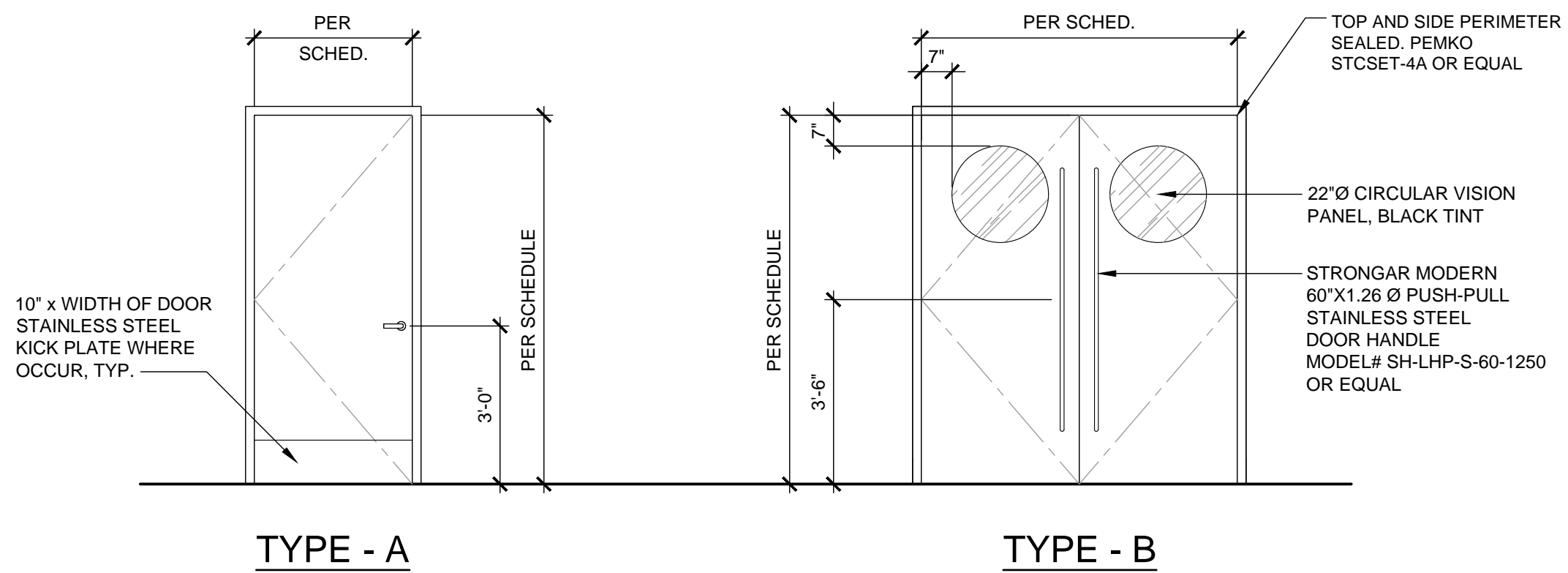
SET #3: OFFICE DOOR

3 HINGES	1 OFFICE LOCKSET	FBB179-4 1/2 x 4 1/2 NRP QCL255 E 478S	US26D 626	STANLEY STANLEY COMMERCIAL HARDWARE BEST TRIMCO
1 CYLINDER	1 WALL BUMPER	OWNER STANDARD 1270WV 1229 SERIES	626 630	TRIMCO TRIMCO
3 DOOR SILENCERS			GREY	TRIMCO

SET #4: RESTROOM DOOR

3 HINGES	1 PRIVACY LOCKSET	FBB179-4 1/2 x 4 1/2 NRP QCL240 E 478S	US26D 626	STANLEY STANLEY COMMERCIAL HARDWARE DORMA TRIMCO
1 CLOSURE	1 KICK PLATE	8916-APF K0050 10"X2" LDWX X CSK B4E 1270WV	689 630	DORMA TRIMCO
1 WALL BUMPER	1 SOLID THRESHOLD PER DETAIL		630	TRIMCO
3 DOOR SILENCERS		1229 SERIES	GREY	TRIMCO

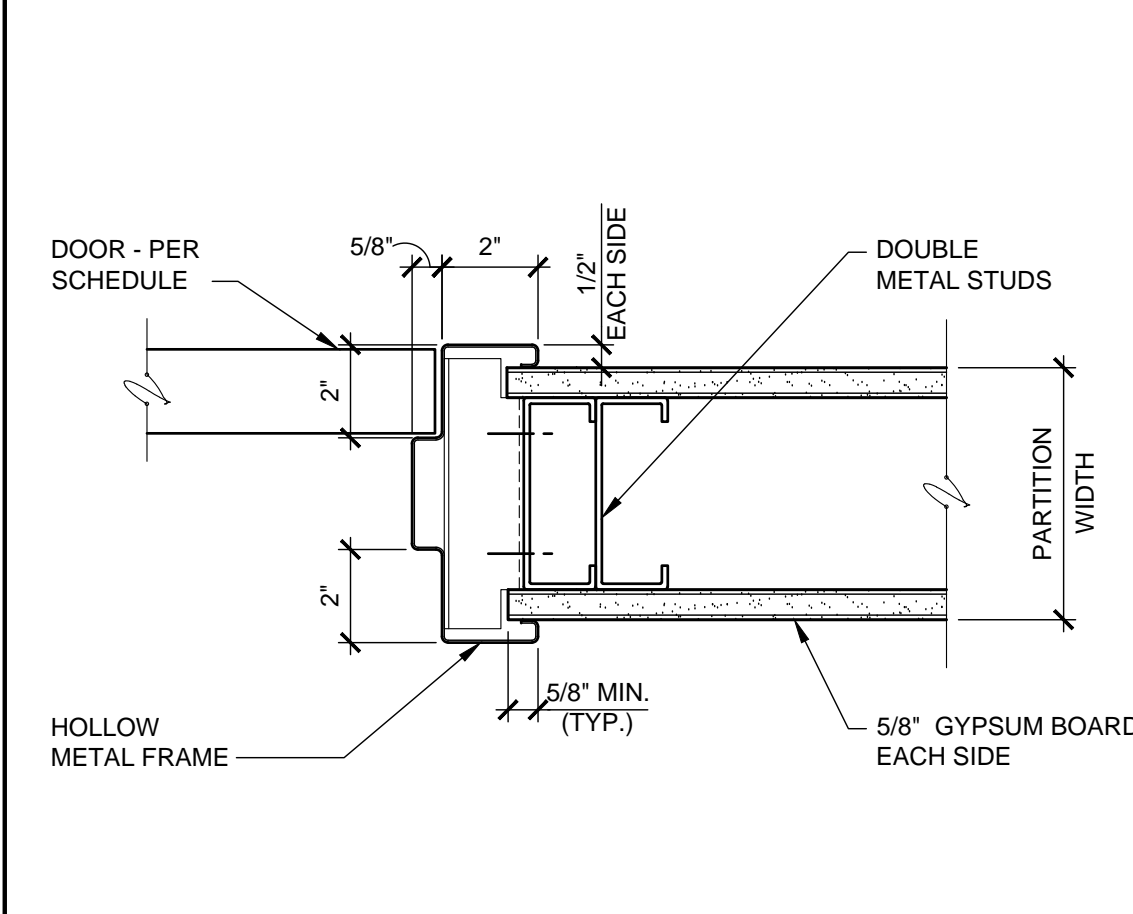
SET #5: ENTRY / EXITING DOOR



DOOR TYPES

SCALE
3/8" = 1'-0"

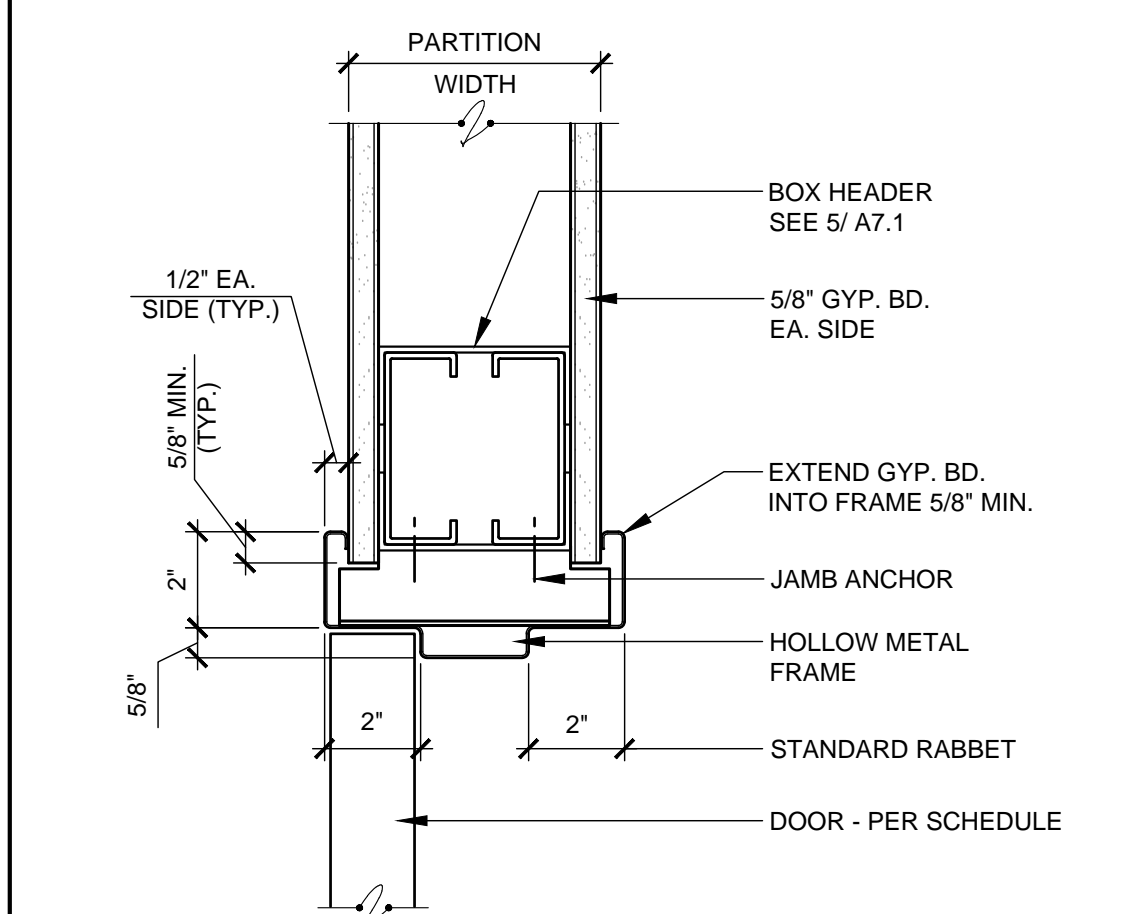
3



INTERIOR DOOR JAMB

SCALE
3" = 1'-0"

8



INTERIOR DOOR HEAD

SCALE
3" = 1'-0"

4

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rachel.hilton@cyclebar.com

CONSULTANT

CYCLEBAR
INTERIOR TENANT IMPROVEMENT

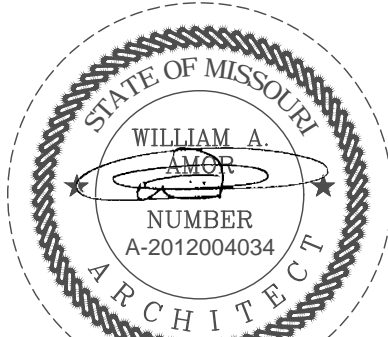
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DOOR SCHEDULE AND HARDWARE
NOTES & DETAILS

PROJECT LOCATION

SHEET TITLE

STAMP



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RENEWAL DATE: 2020-12-31
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2020.04.13

PROJECT NUMBER

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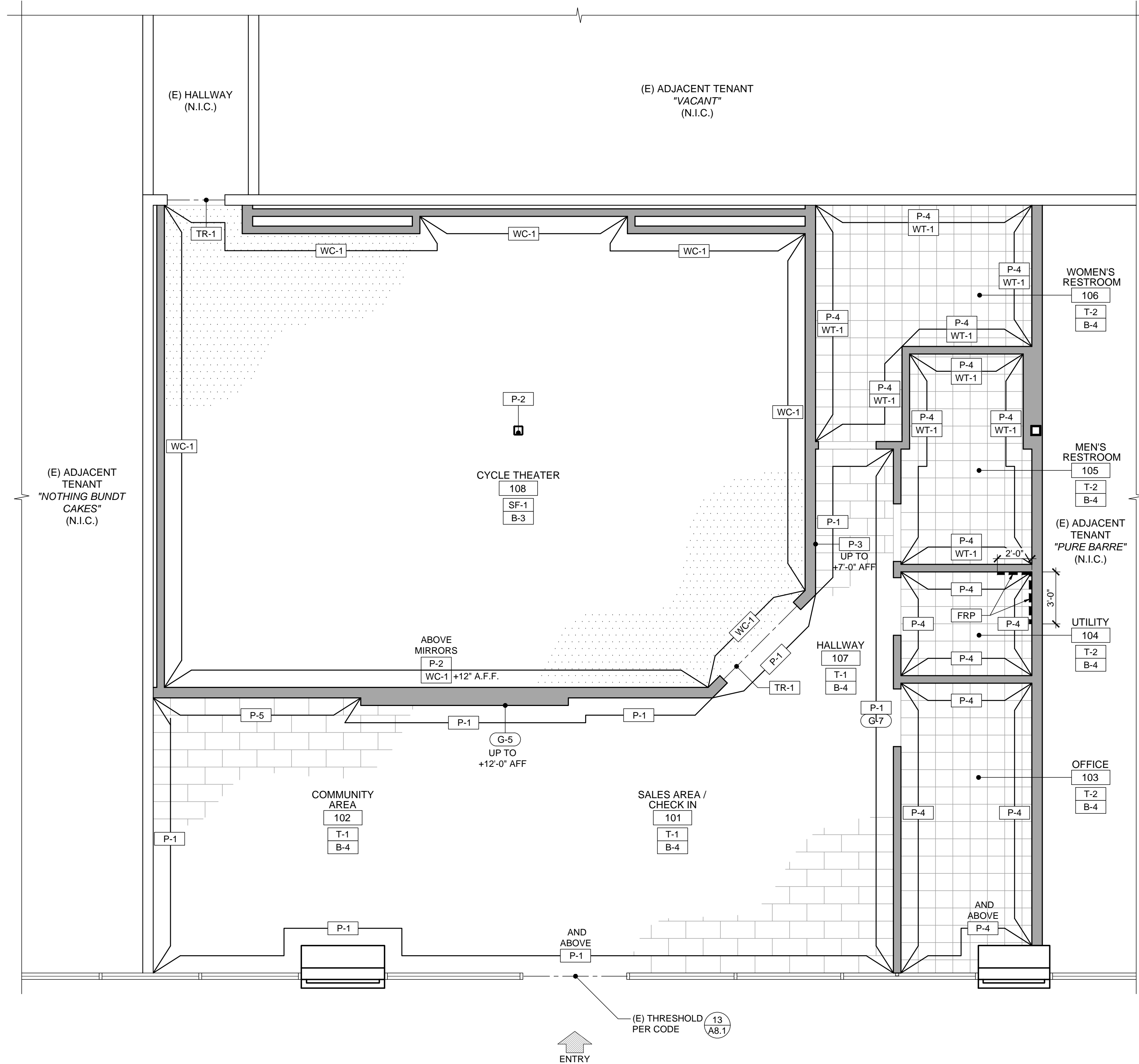
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A8.1

PERMIT SET: 2020_04_13

PERMIT NO.: PRCON20200716

Plotted: 4/13/2020 2:40 PM (treadmill) File: 16_a0276_a8.2_room_fln_sched.dwg



ROOM FINISH PLAN

SCALE
1/4" = 1'-0"

12

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS								CEILING			REMARKS (NUMBERS REFER TO NOTES BELOW) <div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div>
				A		B		C		D		MATERIAL	PAINT	HEIGHT	
				MATERIAL	PAINT	MATERIAL	PAINT	MATERIAL	PAINT	MATERIAL	PAINT				
101	SALES AREA / CHECK IN	T-1	B-4	GWB	P-1/G-5	GWB	P-1/G-7	(E)	P-1	-	-	(E)	EXP-1	SEE REFLECTED CEILING PLAN 8/ A2.1	<div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div>
102	COMMUNITY AREA	T-1	B-4	GWB	P-5	-	-	(E)	P-1	GWB	P-1	(E)	EXP-1		<div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div>
103	OFFICE	T-2	B-4	GWB	P-4	GWB	P-4	(E)	P-4	GWB	P-4	ACT-1	-		<div><div>1</div><div>2</div><div>5</div></div>
104	UTILITY	T-2	B-4	GWB	P-4/ FRP	GWB	P-4/ FRP	GWB	P-4	GWB	P-4	ACT-1	-		<div><div>1</div><div>2</div><div>5</div></div>
105	MEN'S RESTROOM	T-2	B-4	GWB	WT-1/ P-4	GWB	WT-1/ P-4	GWB	WT-1/ P-4	GWB	WT-1/ P-4	GWB	GYP-1		<div><div>1</div><div>2</div><div>5</div></div>
106	WOMEN'S RESTROOM	T-2	B-4	(E)	WT-1/ P-4	GWB	WT-1/ P-4	GWB	WT-1/ P-4	GWB	WT-1/ P-4	GWB	GYP-1		<div><div>1</div><div>2</div><div>5</div></div>
107	HALLWAY	T-1	B-4	GWB	P-1	GWB	P-1/G-7	-	-	(E)	P-1	GWB	EXP-1		<div><div>1</div><div>2</div><div>5</div></div>
108	CYCLE THEATER	SF-1	B-3	GWB	WC-1	GWB	WC-1	GWB	P-2/ WC-1	GWB	WC-1	ACT-2	-		<div><div>1</div><div>2</div><div>5</div></div>

FINISH SCHEDULE REMARKS

- REFERENCE INTERIOR ELEVATIONS AND ROOM FINISH PLAN FOR EXTENT OF FINISHES
- ALL GYPSUM BOARD TO BE 5/8" THICK TAPED, SPACKLED, SANDED AND READY FOR PAINT
- G.C. TO REPAIR / PROVIDE INSULATION AS REQUIRED PRIOR TO PAINT
- ALL SURFACES AT UNDERSIDE OF EXPOSED CEILING/ROOF DECK TO RECEIVE BLACK SCRIM SHEET, OR PAINT WHERE NEEDED (U.N.O.)
- ALL NEW AND EXISTING GYPSUM BOARD TO BE MINIMUM LEVEL 4 FINISH

FINISH LEGEND

TYPE	MARK	MANUFACTURER	MATERIAL NAME	COLOR	REMARKS
FLOORING	T-1	SPORT PRO SURFACING	12" x 24" FLOOR TILE	GRAY	INSTALLATION: 1/2 OFFSET PATTERN LAY TILE PERPENDICULAR TO ENTRY. LATICRETE, PERMACOLOR #60 "DUSTY GRAY" 3/16" GROUT JOINT. COMMON AREA
	T-2	SPORT PRO SURFACING	12" x 12" FLOOR TILE	GRAY	INSTALLATION: STACKED PATTERN. LATICRETE, PERMACOLOR #60 "DUSTY GRAY" 3/16" GROUT JOINT. AT RESTROOM/ CHANGING RM
	SF-1	RUBBER FLOORING WITH ADHESIVE	4' - 0" ROLL BLACK	BLACK	RUBBER FLOOR CYCLE THEATER
	SC-1	APPROVED VENDOR	SEALED CONCRETE		
BASE	B-3	SPS	ROPPE 700 SERIES	BLACK	4" COVE BASE AT CYCLE THEATER
	B-4	SPS	ROPPE 700 SERIES	150 DARK GRAY	4" COVE BASE AT LOBBY, RESTROOM & SHOWER
	B-5		SCHLUTER		COVE-SHAPED PROFILE
WALLS	P-1	SHERWIN-WILLIAMS SW 7005	PAINT	PURE WHITE FINISH: EGGSHELL	SALES AREA/ CHECK IN, COMMUNITY AREA & HALLWAY
	P-2	SHERWIN-WILLIAMS SW 7674	PAINT	PEPPERCORN (GRAY) FINISH: EGGSHELL	OPTIONAL ACCENT WALL COLOR IN THE SALES AREA/ CHECK IN PAINT ABOVE MIRROR
	P-3	SHERWIN-WILLIAMS SW 6868	PAINT	REAL RED FINISH: EGGSHELL	PAINT AT MARKER BOARD. BASE COAT (2) COATS SW6868. TOP COAT CLEAR PAINT PER MANUFACTURER'S RECOMMENDATIONS
	P-4	SHERWIN-WILLIAMS SW 7646	PAINT	FIRST STAR FINISH: SEMI GLOSS	RESTROOMS, & UTILITY ROOM
	P-5	SHERWIN-WILLIAMS SW 6868	PAINT	REAL RED FINISH: EGGSHELL	ACCENT WALL BEHIND LOCATION STAMP GRAPHIC
	WT-1	SPORT PRO SURFACING	12" x 24" WALL TILE	COLOR 60 "DUSTY GRAY"	RESTROOM. 1/2 OFFSET PATTERN 48" AFF. LATICRETE, SPECTRALOCK EPOXY GROUT COLOR #60 DUSTY GRAY, 3/16" GROUT JOINT
	WC-1	SPORT PRO SURFACING	WALL CARPET (ADD ADHESIVE)		CYCLE THEATER ONLY MIRROR WALL: BETWEEN TOP OF BASE AND BOTTOM OF MIRRORS. SIDE & REAR WALLS: FULL HEIGHT TO CEILING
	FRP	MARLITE OR EQUAL	FIBER REINFORCED PLASTIC	STANDARD FRP, SMOOTH SURFACE	S100G - WHITE. INSTALL w/ PVC TRIM
CEILING	GYP-1	SHERWIN-WILLIAMS SW 7646	PAINT	FIRST STAR FINISH: SEMI GLOSS	RESTROOMS, & UTILITY ROOM
	GYP-2	SHERWIN-WILLIAMS SW 7005	PAINT	PURE WHITE FINISH: EGGSHELL	HALLWAY
	EXP-1	SHERWIN-WILLIAMS 6991	PAINT	BLACK MAGIC	SEMI GLOSS - OPEN CEILING AT SALES AREA/ CHECK IN
	ACT-1	ARMSTRONG	FINE FISSURED TEGULAR TILES OR APPROVED EQUAL	WHITE	2' x 2' ACOUSTIC SUSPENDED CEILING (MIN. CLASS C) GRID. STANDARD 15/16" STEEL (WHITE FINISH)
	ACT-2	ARMSTRONG	FINE FISSURED TILES OR APPROVED EQUAL	BLACK FINISH	2' x 2' ACOUSTIC SUSPENDED CEILING (MIN. CLASS C) GRID. STANDARD 15/16" STEEL (BLACK FINISH)
TRANSITIONS	TR-1	SCHLUTER SCHIENE AE 125	SCHLUTER SCHIENE AE 125		TILE TO RUBBER
	TR-2	SCHLUTER			T-1 TO SC-1 (SEALED CONCRETE)
	TR-3	ROPPE 196	ROPPE 196	BLACK	TILE TO CONCRETE
	TR-4	SCHLUTER SCHIENE AE 125	SCHLUTER SCHIENE AE 125		TERMINATION OF WT-1, BASE
	TR-5	ROPPE 158	ROPPE 158	BLACK	TERMINATION OF WC-1
	TR-6	ROPPE 1	ROPPE 1	BLACK	PLATFORM NOSING
DOORS	P-6	SHERWIN-WILLIAMS SW 7067	PAINT	CITY SCAPES FINISH: EGGSHELL	ALL DOORS

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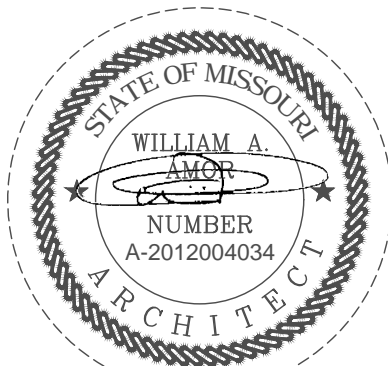
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ROOM FINISH PLAN, SCHEDULE & LEGEND

PROJECT
LOCATION

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DATE
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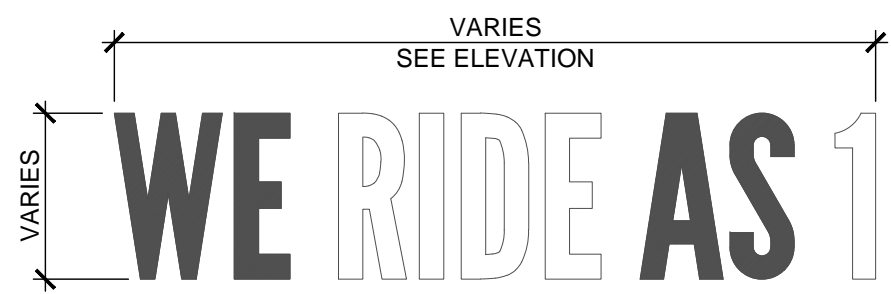
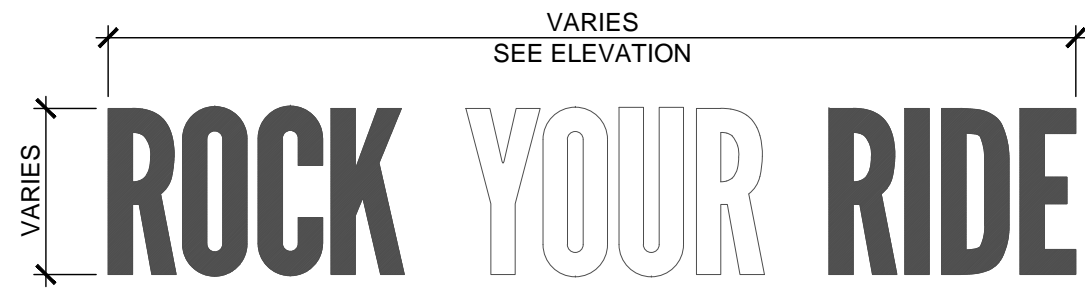
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A8.2

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NOTE:
GENERAL CONTRACTOR TO
COORDINATE WITH
FRANCHISEE'S SIGNAGE VENDOR

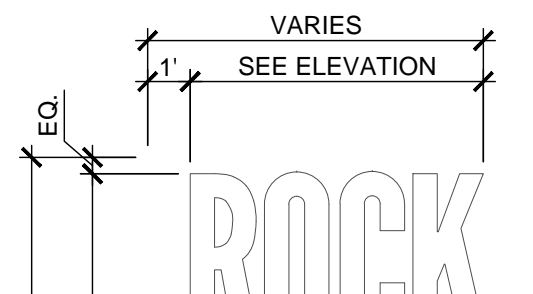
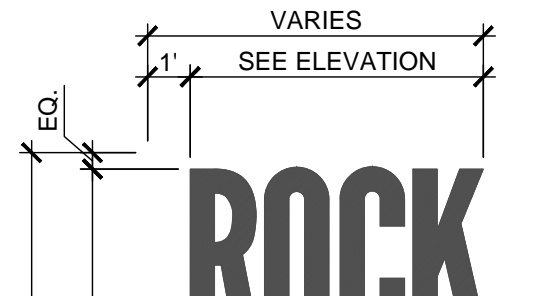


G-4A

WALL GRAPHICS - IN-LINE GRAPHICS
"ROCK YOUR RIDE", VINYL

SCALE
N.T.S

10



G-4

WALL GRAPHICS - STACKED
GRAPHICS "ROCK YOUR RIDE", VINYL

SCALE
N.T.S

6

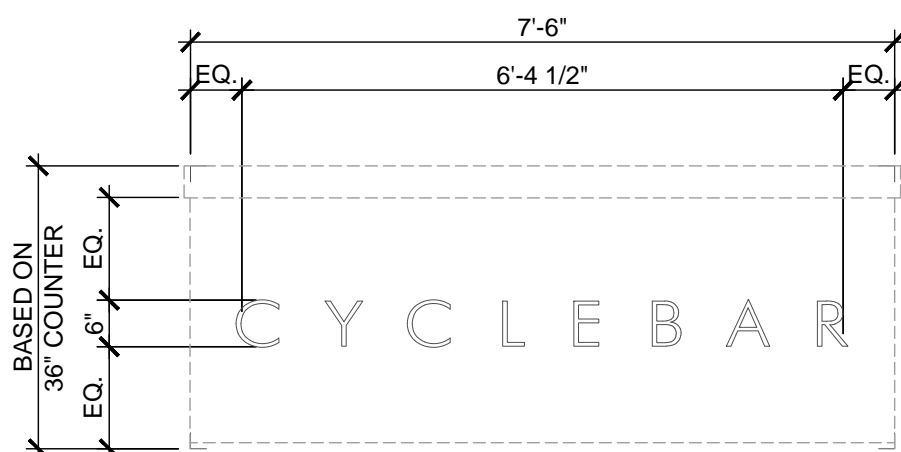
G-1
GLAZING GRAPHICS -
STOREFRONT - LOGO, VINYL
(DEFERRED SUBMITTAL)

G-1A
GLAZING GRAPHICS -
STOREFRONT - HOURS, VINYL
(DEFERRED SUBMITTAL)

GLAZING GRAPHICS - STOREFRONT
LOGO, VINYL

SCALE
N.T.S

1

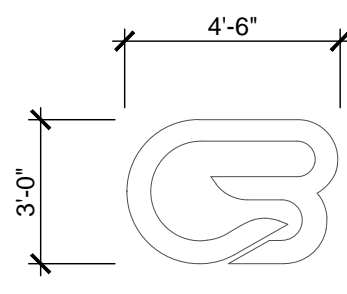


G-2

MILLWORK GRAPHICS - ON
RECEPTION DESK, VINYL

SCALE
N.T.S

2



G-9

WALL SIGNAGE - ILLUMINATED LOGO -
3'-0" SIZE OPTION

SCALE
N.T.S

15

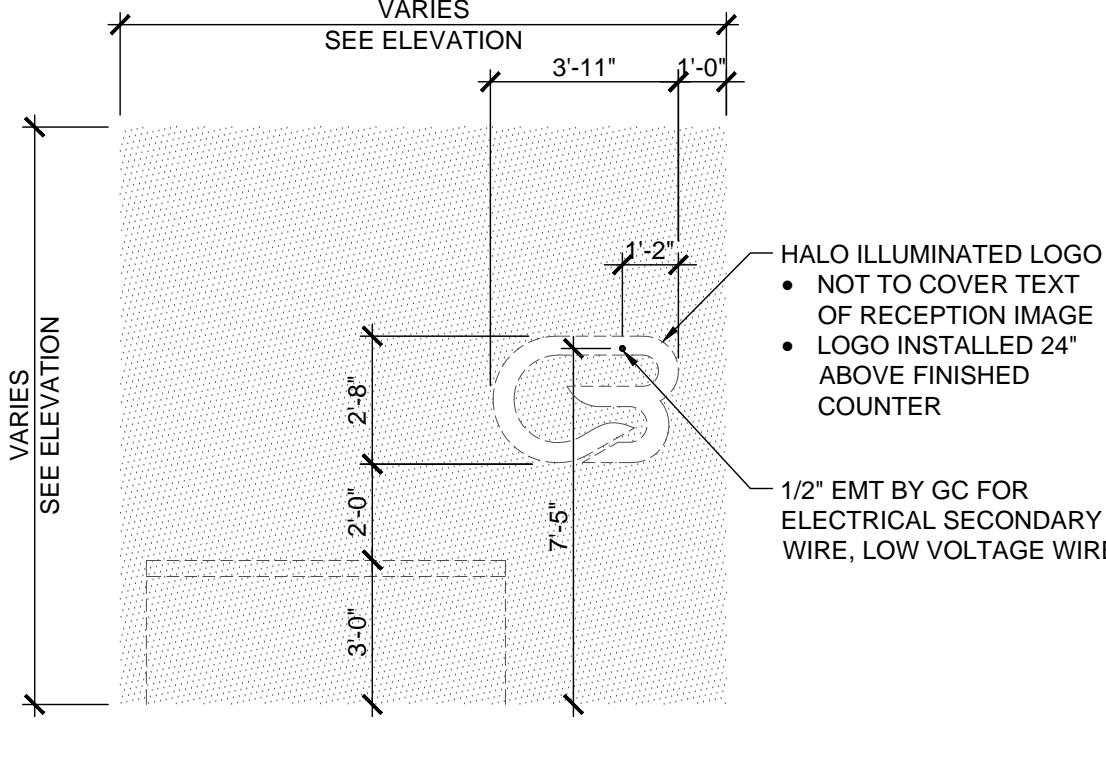


G-7

WALL GRAPHICS - INSPIRATION
WALL, VINYL

SCALE
N.T.S

11

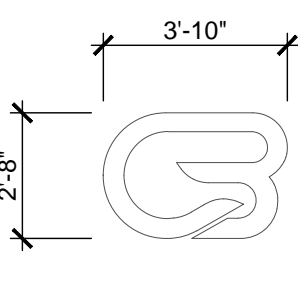


G-5

WALL GRAPHICS - GRAY VINYL

SCALE
N.T.S

7

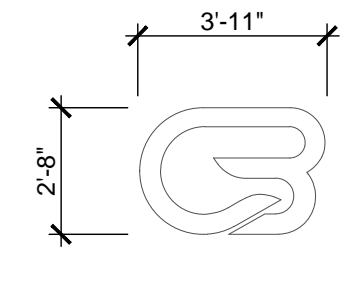


G-3

WALL GRAPHICS - LOGO OVER
CYCLE THEATER DOOR, VINYL

SCALE
N.T.S

3

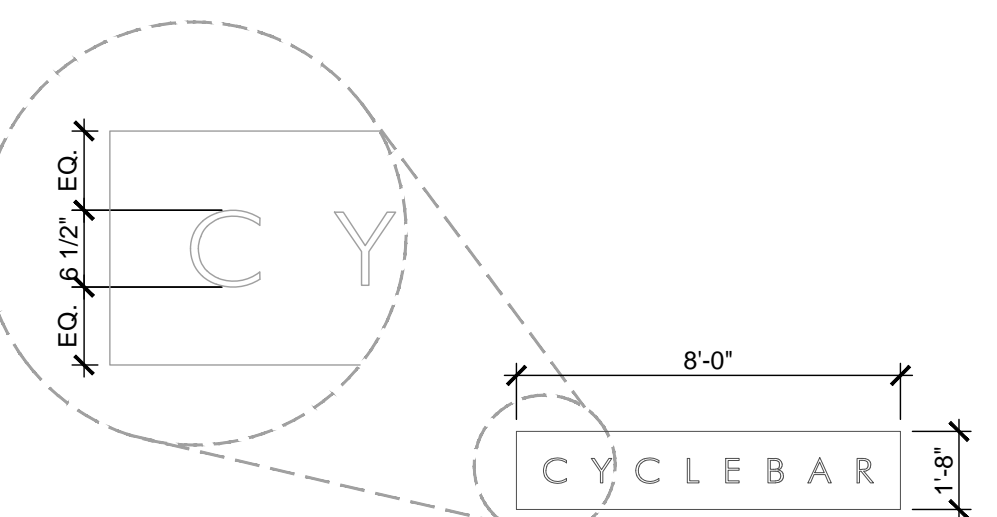


G-10

WALL SIGNAGE - ILLUMINATED LOGO -
STANDARD SIZE

SCALE
N.T.S

16

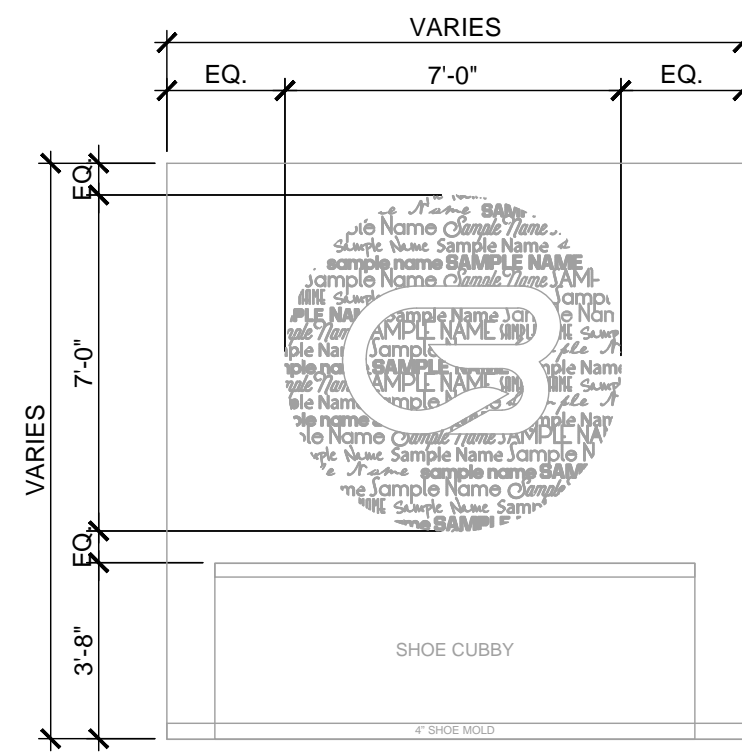


G-8

WALL SIGNAGE - CYCLE THEATER
LOGO ILLUMINATED SIGN

SCALE
N.T.S

12



G-6

WALL GRAPHICS - CITY SYMBOL, VINYL

SCALE
N.T.S

4

CYCLEBAR
INTERIOR TENANT IMPROVEMENT

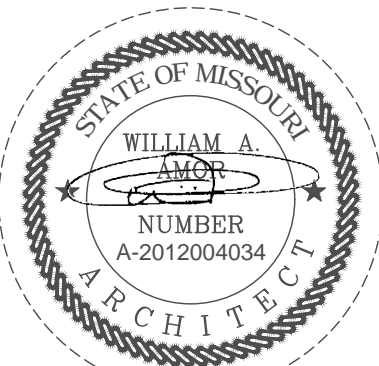
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LEE'S SUMMIT, MO 64086

WALL SIGNAGE
AND GRAPHICS

PROJECT
LOCATION

SHEET TITLE

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DATE

2020.04.13

PROJECT NUMBER

A2276

SHEET NUMBER

A8.3

PERMIT SET: 2020_04_13

PERMIT NO.: PRCOM20200716

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CYCLEBAR

910 W NORTHWEST BLUE PARKWAY,
LEE'S SUMMIT, MO 64086
PHONE: 720.378.3062
rachel.hilton@cyclebar.com

CONSULTANT

LOBBY - BENCH	SCALE	7
	1/2" = 1'-0"	

REFRIGERATION STATION	SCALE	4
	N.T.S.	

		MW-5	
TOWEL / SHOE BIN	SCALE	5	
	N.T.S.		

SUSPENDED PLATFORM DETAILS	SCALE	9
	1 1/2" = 1'-0"	

LOCKER CABINET	SCALE	6
	N.T.S.	

			MW-1	
FRONT DESK	SCALE	1		
	N.T.S.			

			MW-2
CABINET	SCALE	2	
	N.T.S.		

SHOE CUBBY	SCALE	3
	N.T.S.	

THESE MILLWORK DETAILS ARE FOR REFERENCE ONLY.
CONTACT CYCLEBAR'S VENDER FOR MANUFACTURER'S
SPECIFICATIONS:

C&R COMPONENTS

1011 BRIOSO DRIVE, SUITE #103
COSTA MESA, CA 92627
(949) 500-1291

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ERIOR TENANT IMPROVEMENT
910-W NORTHWEST BLUE PARKWAY,
LET'S SUMMIT, MO 64086

MILLWORK DETAILS
(FOR REFERENCE ONLY)

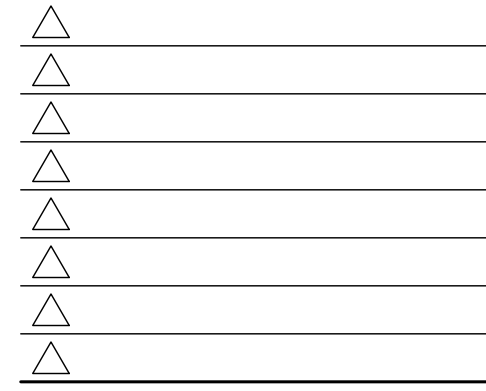
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DATE
2020.04.13
PROJECT NUMBER
A2276

SHEET NUMBER

A8.4

PERMIT SET: 2020 04 13

Plotted: 4/13/2020 9:06 AM (jacobbb) File: 076_mech set-cyclebar 24x36.dwg

Air System Information
Air System Name: CycleBar - Lees Summit, MO
Equipment Class: PKG ROOF
Air System Type: SZCLAV
Number of zones: 1
Floor Area: 2140.0 ft²
Location: Kansas City, Missouri

Sizing Calculation Information

Calculation Months: Jan to Dec
Sizing Data: Calculated
Zone CFM Sizing: Sum of space airflow rates
Space CFM Sizing: Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	16.1 Tons	Load occurs at	Aug 1400
Total coil load	193.8 MBH	OA DB / WB	95.4 / 74.9 °F
Sensible coil load	129.9 MBH	Entering DB / WB	80.6 / 68.7 °F
Coil CFM at Aug 1400	5800 CFM	Leaving DB / WB	59.1 / 58.1 °F
Max block CFM	5800 CFM	Coil ADP	56.7 °F
Sum of peak zone CFM	5800 CFM	Bypass Factor	0.100
Sensible heat ratio	0.670	Resulting RH	62 %
CFM/Ton	359.2	Design supply temp.	64.4 °F
RT/Ton	132.5	Zone T-delta Check	1 of 1 OK
BTU/(h-ft ²)	99.6	Max zone temperature deviation	0.0 °F
Water flow @ 10.0 °F rise	N/A		

Central Heating Coil Sizing Data

Max coil load	138.5 MBH	Load occurs at	Des Htg
Coil CFM at Des Htg	5800 CFM	BTU/(h-ft ²)	64.7
Max coil CFM	5800 CFM	Ent. DB / Lvg DB	52.7 / 75.6 °F
Water flow @ 20.0 °F drop	N/A		

Supply Fan Sizing Data

Actual max CFM	5800 CFM	Fan motor BHP	1.27 BHP
Standard CFM	5589 CFM	Fan motor kW	1.01 kW
Actual max CFM/ft ²	2.71 CFM/ft ²	Fan static	0.80 in wg

Outdoor Ventilation Air Data

Design airflow CFM	1400 CFM	CFM/person	22.95 CFM/person
CFM/ft ²	0.65 CFM/ft ²		

Hourly Analysis Program 5.11

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Aug 1400			HEATING DATA AT DES Htg		
	Details	Sensible (BTU/hr)	Latent (BTU/hr)	Details	Sensible (BTU/hr)	Latent (BTU/hr)
Window & Skylight Solar Loads	582 ft ²	9420	-	582 ft ²	-	-
Wall Transmission	416 ft ²	543	-	416 ft ²	2579	-
Roof Transmission	2140 ft ²	7797	-	2140 ft ²	7553	-
Window Transmission	582 ft ²	4954	-	582 ft ²	20661	-
Skylight Transmission	0 ft ²	0	-	0 ft ²	0	-
Door Loads	0 ft ²	0	-	0 ft ²	0	-
Floor Transmission	820 ft ²	0	-	820 ft ²	1416	-
Partitions	0 ft ²	0	-	0 ft ²	0	-
Ceiling	0 ft ²	0	-	0 ft ²	0	-
Overhead Lighting	910 W	2611	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	61	22224	48656	0	0	0
Infiltration	1914	823	-	6650	0	0
Miscellaneous	-	11500	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	60974	49578	-	38859	0
Zone Conditioning	-	66873	49578	-	38907	0
Plenum Wall Load	0%	0	-	0	0	-
Plenum Roof Load	0%	0	-	0	0	-
Plenum Lighting Load	0%	0	-	0	0	-
Return Fan Load	5800 CFM	0	-	5800 CFM	0	-
Ventilation Load	1400 CFM	28447	14358	1400 CFM	103051	0
Supply Fan Load	5800 CFM	3440	-	5800 CFM	3440	-
Space Fan Coil Fans	-	0	-	-	0	-
Duct Heat Gain / Loss	0%	0	-	0%	0	-
>> Total System Loads	-	98760	63936	-	138519	0
Central Cooling Coil	-	128842	63936	-	0	0
Central Heating Coil	-	-31083	-	-	138519	-
>> Total Conditioning	-	98760	63936	-	138519	0
Key:	Positive values are ckg loads Negative values are hkg loads			Positive values are hkg loads Negative values are ckg loads		

Hourly Analysis Program 5.11

MECHANICAL SYMBOLS LEGEND

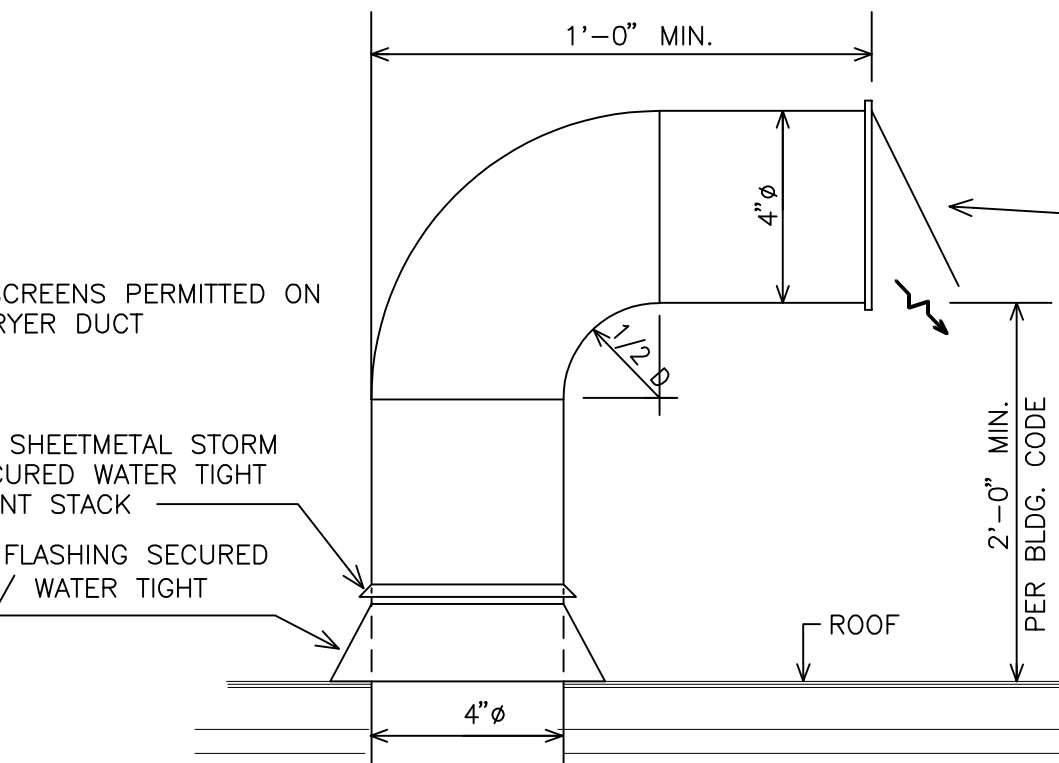
	SUPPLY AIR
	RETURN AIR
	EXHAUST AIR
	STANDARD BRANCH, NO SPLITTER - SUPPLY FLOW TO RIGHT - RETURN/EXHAUST FLOW TO LEFT
	BELLMOUTH WITH BALANCING DAMPER
	FLEXIBLE DUCT
	TURNING VANES
	MANUAL VOLUME DAMPER
	BACKDRAFT DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER & ACCESS PANEL
	SUPPLY DUCT UP, POSITIVE PRESSURE
	RETURN DUCT UP, NEGATIVE PRESSURE
	EXHAUST DUCT UP, NEGATIVE PRESSURE
	SUPPLY DUCT DOWN, POSITIVE PRESSURE
	RETURN DUCT DOWN, NEGATIVE PRESSURE
	EXHAUST DUCT DOWN, NEGATIVE PRESSURE
	FLEXIBLE DUCTWORK CONNECTION TO UNIT
	SUPPLY DIFFUSER/REGISTER BLANKOFF INDICATED SHADED
	SUPPLY DIFFUSER TYPE - NECK SIZE DIFFUSER AIRFLOW (CFM)
	RETURN GRILLE/REGISTER TYPE - NECK SIZE RETURN AIRFLOW (CFM)
	EXHAUST GRILLE/REGISTER TYPE - NECK SIZE EXHAUST AIRFLOW (CFM)
	CONCENTRIC DUCT TRANSITION
	ECCENTRIC DUCT TRANSITION
	SMOKE DETECTOR
	THERMOSTAT
	CO2 SENSOR
	TEMPERATURE SENSOR
	POINT OF CONNECTION, NEW TO EXISTING
	POINT OF DISCONNECTION
	EXISTING DUCT TO REMAIN
	EXISTING DUCT TO BE REMOVED

OUTSIDE AIR CALCULATION

O.A. CALCULATION BASED ON THE IMC 2018	
CYCLEBAR STUDIO: HEALTH CLUB	
OCC.= 45 P. NET SQUARE FOOTAGE: 975 SF	
VENTILATION CALCULATED AT 900 (20 cfm/p) + 59 (.06 cfm/sqft)	959 CFM
SALES/COMMUNITY AREA: SALES	
OCC.= 15p/1000 sqft= 10 P. SQUARE FOOTAGE: 695 SF	
VENTILATION CALCULATED AT 75 (7.5 cfm/p) + 42 (.06 cfm/sqft)	117 CFM
OFFICE/OFFICE SPACES	
OCC.= 1 P. SQUARE FOOTAGE: 125 SF	
VENTILATION CALCULATED AT 5 (5 cfm/p) + 8 (.06 cfm/sqft)	13 CFM
UTILITY: STORAGE	
OCC.= N/A	
VENTILATION CALCULATED AT 5 (.12 cfm/sqft)	5 CFM
CORRIDOR: HALL	
OCC.= N/A	
VENTILATION CALCULATED AT 5 (.06 cfm/sqft)	5 CFM
TOTAL VENTILATION REQUIRED	1099 CFM
0.8 VENTILATION EFFECTIVENESS	1374 CFM
TOTAL VENTILATION SUPPLIED	1400 CFM

NOTE: NO SCREENS PERMITTED ON CLOTHES DRYER DUCT

GALVANIZED SHEETMETAL STORM COLLAR SECURED WATER TIGHT SEAL TO VENT STACK
TALL CONE FLASHING SECURED TO ROOF W/ WATER TIGHT SEAL



CLOTHES DRYER EXHAUST DUCT SHALL HAVE NO SCREEN AT DUCT TERMINATION. DUCTS SHALL NOT BE CONNECTED OR INSTALLED WITH SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE FLOW.

ENTIRE INSTALLATION OF CLOTHES DRYER EXHAUST DUCT SHALL BE IN STRICT ACCORDANCE WITH SMACNA STANDARDS AND 2018 IMC 504

1 DRYER VENT UP THRU ROOF DETAIL
NO SCALE

DIFFUSER, GRILLE & REGISTER SCHEDULE

EQUIP. TAG	SERVICE	MOUNTING TYPE	DESCRIPTION	ACCESSORIES	FINISH	MANUF.	MODEL NO.
A	SUPPLY	LAY-IN	24"X24"	OBD	SEE NOTE	TITUS	TMS
B	SUPPLY	AS SHOWN	12"X12"	OBD	SEE NOTE	TITUS	TMS
C	SUPPLY	DUCT MTD.	12" DIA.	OBD	SEE NOTE	TITUS	TMR
D	RETURN	LAY-IN	24"X24"	---	SEE NOTE	TITUS	50F
E	RETURN	SURFACE	36"X20"	---	SEE NOTE	TITUS	35ORL
F	TRANSFER	LAY-IN	24"X12"	---	SEE NOTE	TITUS	50F
G	TRANSFER	SURFACE	24"X12"	---	SEE NOTE	TITUS	35ORL
NOTE: ALL GRILLES, REGISTERS & DIFFUSERS MUST BE PAINTED TO MATCH CEILING TILE COLOR. VERIFY EXACT COLOR WITH ARCHITECT.							

CLOTHES DRYER BOOSTER FAN

UNIT NO.	CLOTHES DRYER BOOSTER FAN MANUF.	MODEL	QTY	CFM	S.P. IN. WC.	RPM	MAX. WATTS	DRIVE	VOLTAGE	ACCESSORIES
EF-3	FANTECH	DBF4XLT-705	1	130	0.7	2800	83	DIRECT	115/1/60	1, 2, 3, 4
ACCESSORIES: 1. DB10 PRESSURE SWITCH. 2. DBLT4W SECONDARY LINT TRAP. 3. INTEGRAL TEMPERATURE LIMIT SWITCH. 4. WALL MOUNTED INDICATOR PANEL. NOTE: CLOTHES DRYER BOOSTER FAN W/ PRESSURE SWITCH AND WALL MOUNTED INDICATOR PANEL THAT INDICATES PROPER OPERATION OF THE EXHAUST FAN. PRESSURE SWITCH SHALL ENERGIZE CLOTHES DRYER BOOSTER FAN WHENEVER THE CLOTHES DRYER IS ON. AN INTEGRAL TEMPERATURE LIMIT SWITCH SHALL TURN OFF THE FAN IN CASE OF A FIRE. CLOTHES DRYER BOOSTER FAN AND ASSOCIATED PRESSURE SWITCH/ACCESSORIES ARE TO BE SUPPLIED AND INSTALLED BY TENANT'S CONTRACTOR. CLOTHES DRYER BOOSTER IS UL LISTED PER THE DRYER EXHAUST DUCT POWER VENTILATOR (DEDPV) SUPPLEMENT TO UL STANDARD 705.										

EXHAUST FAN

TAG	QTY	MANUFACTURER	MODEL NO.	TYPE	CFM	S.P.	WATTS	VOLTAGE	ACCESSORIES	NOTES
EF-1	1	GREENHECK	SP-SP110	CEILING	100	0.2"	80	SEE ELEC	BACKDRAFT DAMPER	1
EF-2	1	GREENHECK	SP-SP110	CEILING	100	0.2"	80	SEE ELEC	BACKDRAFT DAMPER	1
NOTE: 1. TOILET EXHAUST FANS SHALL BE INTERLOCKED WITH TOILET ROOM LIGHT SWITCH.										

ROOFTOP UNIT SCHEDULE (GAS HEAT/ELEC. COOL)

MARK	MFG/ MODEL	DISCHARGE	TONS	ESP	CFM	OUTSIDE AIR CFM		ENTERING AIR CONDITIONS	GROSS COOLING CAPACITY (MBH)		EER (SEER)	HEATING CAPACITY (MBH)		ELECTRICAL VOLT/PH/HZ	ACCESSORIES	UNIT WEIGHT (LBS)
						MIN.(CO2)	MAX.		TOTAL	SENSIBLE		INPUT	OUTPUT			
RTU-1	CARRIER 48GCCMO6J1A6	VERTICAL	5.0	.75	2000	N/A	200	78.1°F DB/ 66.2°F WB @ 96°F AMBIENT	61.70	43.95	(16)	110/82	88/65	SEE ELEC.	1,2,3,4,5,6,7,8	790
RTU-2	CARRIER 48HCFE14J2A6	VERTICAL	12.5	.75	3800	200	1200	82.4°F DB/ 70.1°F WB @ 96°F AMBIENT	155.27	93.97	12.2	240/192	195/156	SEE ELEC.	1,2,3,4,5,7,8,9,10,11,12	2001
ACCESSORIES: 1. FACTORY SUPPLIED 14" ROOF CURB. 2. MEDIUM STATIC DRIVE. 3. WINTER START PACKAGE. 4. CONDENSATE OVERFLOW SWITCH. 5. INTEGRAL ANTI SHORT-CYCLE TIMER. 6. BAROMETRIC RELIEF. 7. FACTORY SUPPLIED DIFFERENTIAL ENTHALPY ECONOMIZER (LOW LEAK ECONOMIZER WITH FAULT DETECTION & DIAGNOSTICS). 8. RETURN AIR SMOKE DETECTOR 9. TWO-SPEED EVAPORATOR FAN (VFD) CONTROLLER. 10. CO2 SENSOR FOR DCV CONTROL. 11. HUMIDI-MIZER DEHUMIDIFICATION SYSTEM. 12. POWERED EXHAUST. NOTE: A. 2-STAGE GAS HEATING WITH INTERMITTENT IGNITION. B. ALL UNIT WEIGHTS ARE APPROXIMATE.																
* - FRESH AIR INTAKE UPPER LIMIT - OUTDOOR AIR MOTORIZED DAMPER TO BE CONTROLLED BY CO2 SENSOR AND DCV SYSTEM. ECONOMIZER CYCLE SHALL OVERRIDE FRESH AIR INTAKE UPPER LIMIT.																

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CYCLEBAR
INTERIOR TENANT IMPROVEMENT
910-W NORTHWEST BLUE PARKWAY,
LEE'S SUMMIT, MO 64086
MECHANICAL SCHEDULES

PROJECT LOCATION
SHEET TITLE

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STATE OF MISSOURI
GREGORY M. STEINMETZ
Professional Engineer
No. 000000000
Date: 2020/04/13 09:26:20-0500

4/13/20

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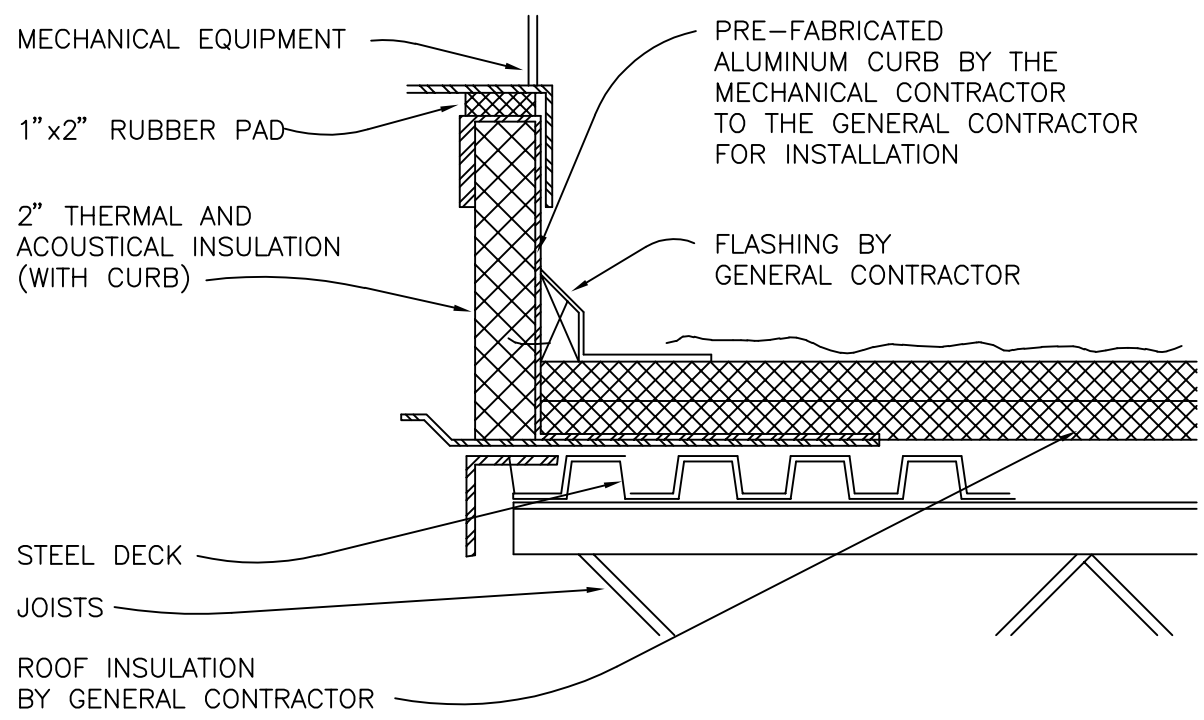
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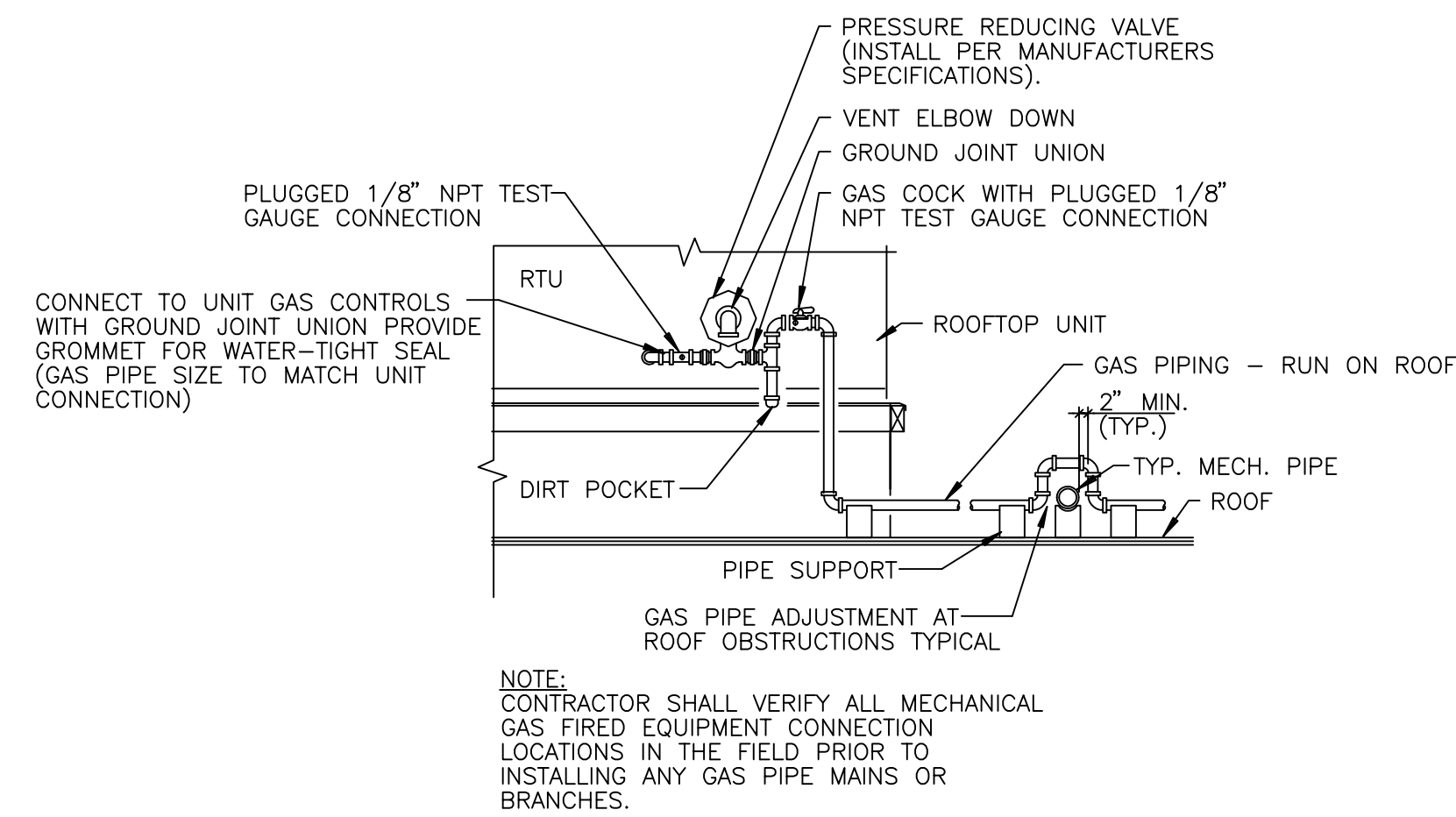
TABLE 3.1 CODE BLOCK
MECHANICAL AND PLUMBING EQUIPMENT COMPONENTS
EARTHQUAKE LOAD RESISTANCE

OCCUPANCY CATEGORY (II)		SEISMIC DESIGN CATEGORY (D)									
LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC. (SEE NOTE 1 BELOW)		SWAY BRACING (SEE NOTE 1 BELOW)		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS			
	Not Provided For Project	Provided For Project	Not Provided For Project	Provided For Project	ON CONST. DOCUMENTS	SUBSEQUENT SUBMITTAL (SEE NOTE 2 BELOW)					
					Drawing No. or Spec. Section	Shop Drawings	Separate Permit & Plans				
FIRE PROTECTION, DETECTION & ALARM EQUIPMENT & SYSTEM COMPONENTS: Fire Sprinkler Piping	X		X				X				
HAZARDOUS EQUIPMENT & SYSTEM COMPONENTS: Gas Piping less than 1" (exterior)		X						N/A, no hazardous equipment in the project.			
OTHER EQUIPMENT & SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF OCCUPANCY CATEGORY IV FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION								N/A, no Occupancy Category IV in the project			
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS <u>Roof Top:</u> RTU greater than 400 lbs. EF less than 400 Lbs. <u>Equipment Suspended From Structure:</u> Air Devices Ductwork Piping less than 3" Vent Piping Water Piping	X	X	X	X				2a. 2b.			
Water Heater less than 400 Lbs.		X		X			X	1			
Water Heater more than 400 Lbs.	X		X								
<ul style="list-style-type: none">It is the basic intent of this Code Block to declare whether or not anchorage and sway bracing is being provided on the project. If so, to declare whether or not the details are shown on the plans or will be shown on a subsequent submission. If seismic restraint of a component is not required by code this should be stated in comments. If seismic restraint, which is not required by code, is being provided due to owner/designer requirements this should also be stated in the comments.Shop drawings need to be submitted to the County a minimum of two weeks prior to the planned installation to allow for plan review and distribution to the inspector. Additional time may be needed if such submissions are deficient.											

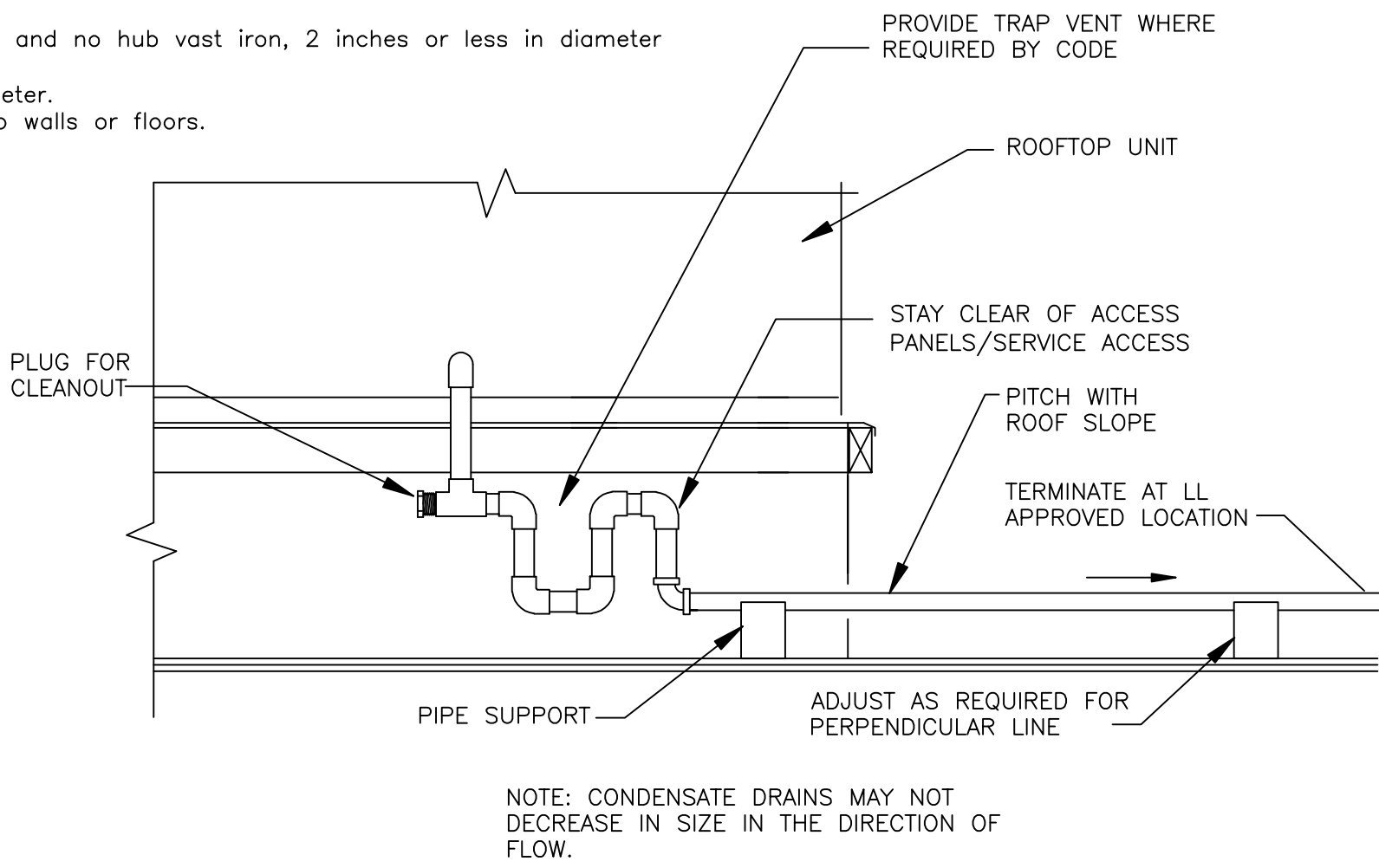
1. Table 4.4, item 1, a, $I_p = 1.0$, component does not weight more than 400 pounds and flexible connections are provided.
2. Table 4.4, note 2
- a. The following sanitary drain, waste and vent pipe:
Schedule 40 PVC, 6 inches or less in diameter, Schedule 80 PVC, 4 inches or less in diameter, service weight and no hub cast iron, 2 inches or less in diameter
- b. The following water pipe:
Type L and M copper, 2 1/2 inches or less in diameter, Schedule 40 and 80 CPVC, 3 inches or less in diameter.
- c. Flexible connections are not required for connections to appliances or plumbing fixtures that are mounted to walls or floors.



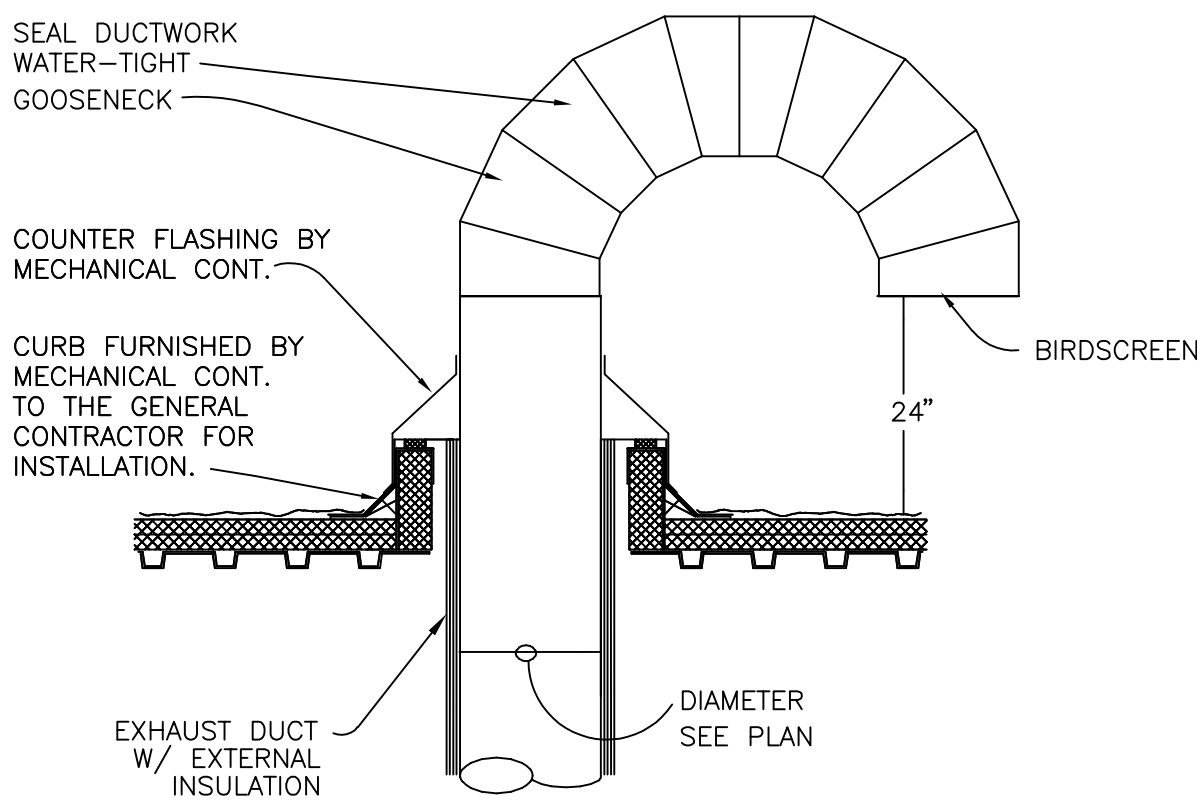
7 MECHANICAL EQUIPMENT CURB DETAIL
NO SCALE



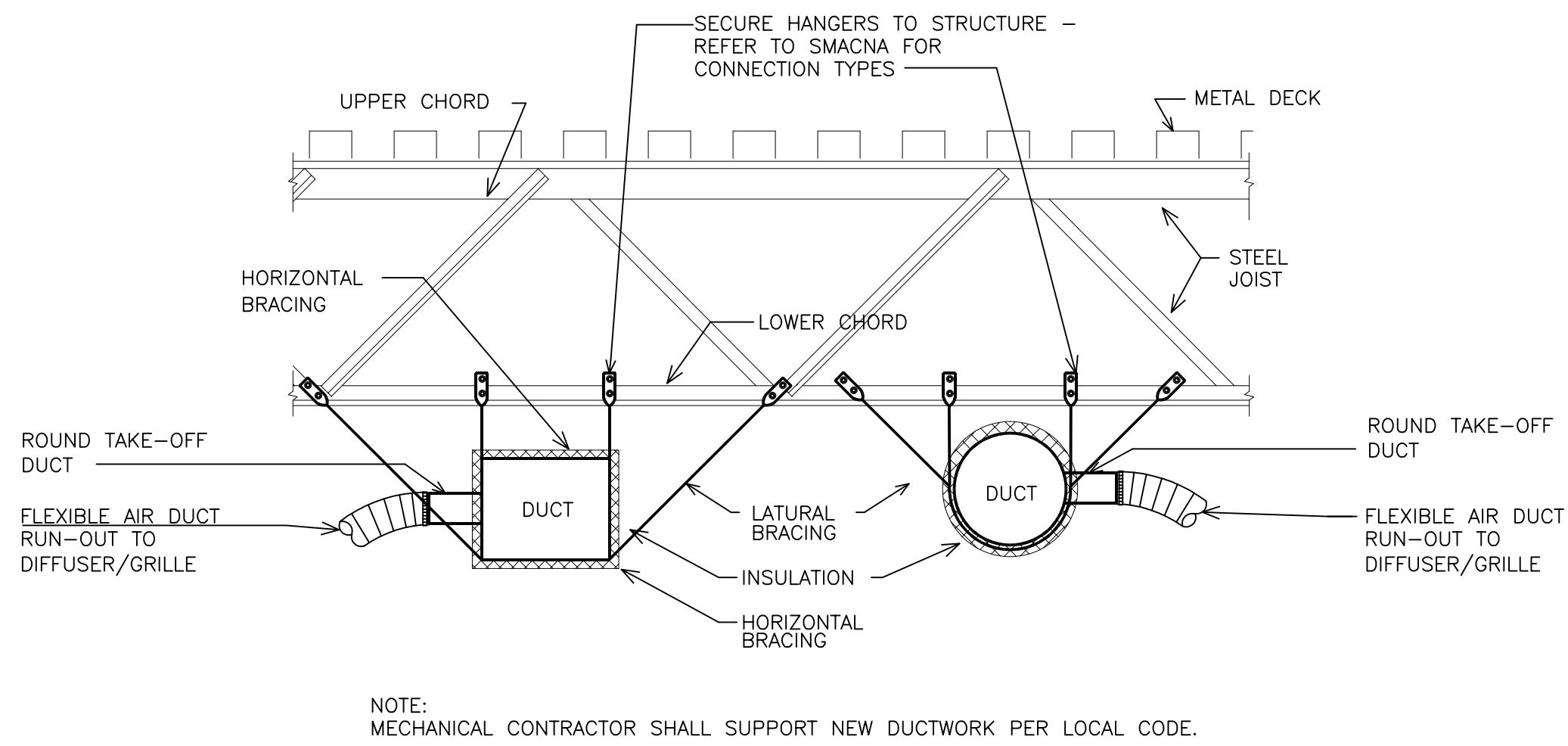
5 TYPICAL RTU GAS
PIPING CONNECTION DETAIL
NO SCALE



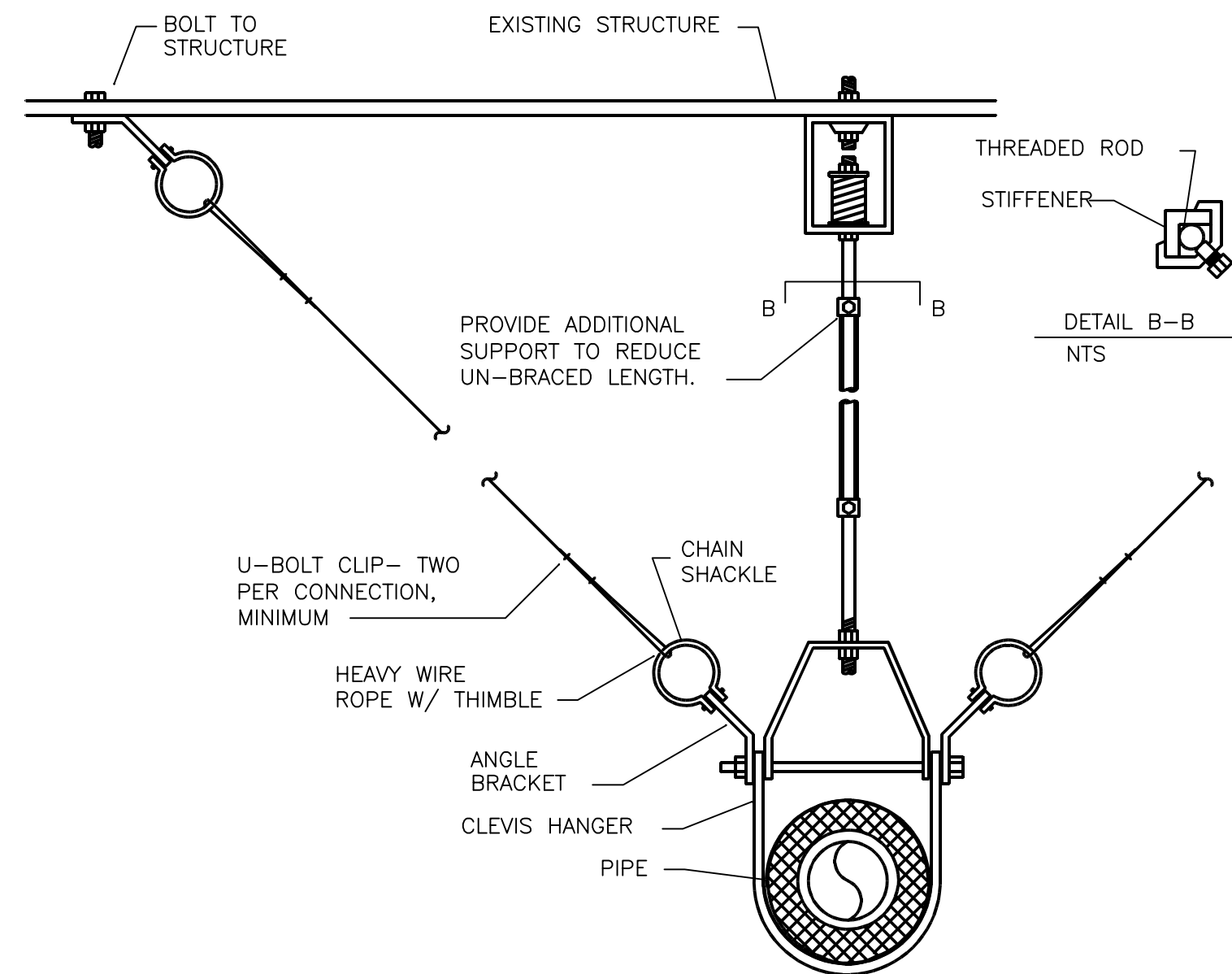
6 CONDENSATE PIPING DETAIL
NO SCALE



4 GOOSENECK VENT THRU ROOF
NO SCALE



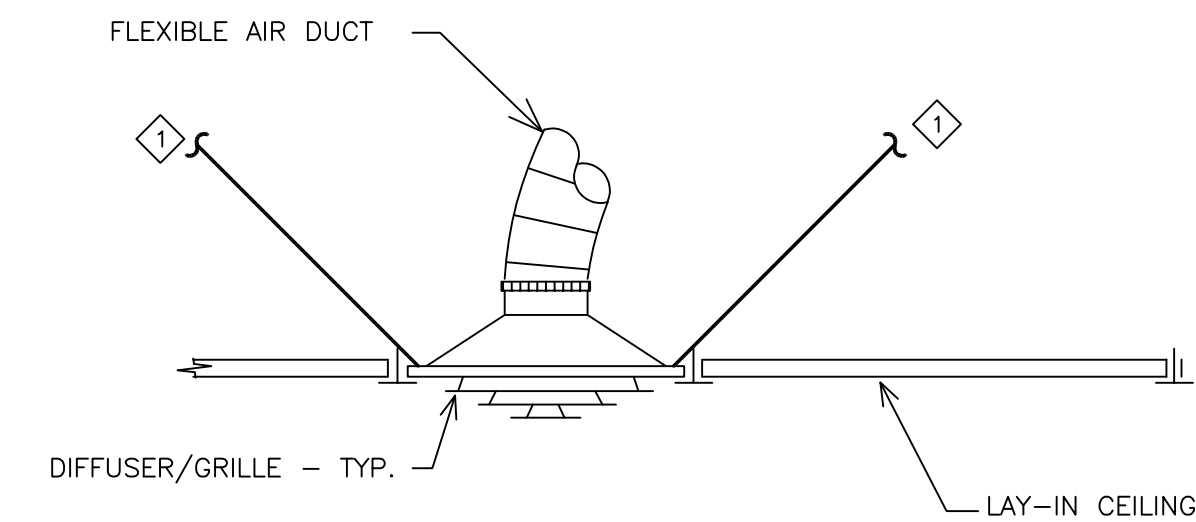
1 DUCT UNDER JOISTS DETAIL (TYPICAL) W/ DUCT CONNECTIONS
NO SCALE



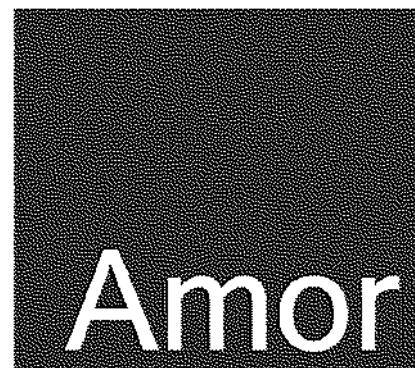
SEISMIC NOTES:

- SEISMIC PIPING RESTRAINTS SHALL BE INSTALLED AT EACH HANGER AND AT EACH CHANGE OF DIRECTION.
- PROVIDE FLEXIBLE JOINTS IN PIPES/HOSES AT SEISMIC BUILDING JOINTS AT PIPE CONNECTIONS TO EQUIPMENT PER FLEXIBLE JOINT MANUFACTURER RECOMMENDATIONS.

2 PIPE SEISMIC RESTRAINT DETAIL
NO SCALE



3 CEILING DIFFUSER/GRILLE INSTALLATION DETAIL
NO SCALE



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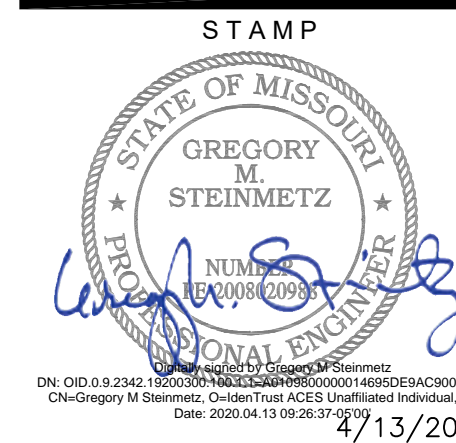
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CYCLEBAR
INTERIOR TENANT IMPROVEMENT
910-W NORTHWEST BLUE PARKWAY,
LEE'S SUMMIT, MO 64086
MECHANICAL DETAILS

PROJECT
LOCATION



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DATE	2020.04.10
PROJECT NUMBER	A2276
SHEET NUMBER	

M4.0



SHEET NOTES:

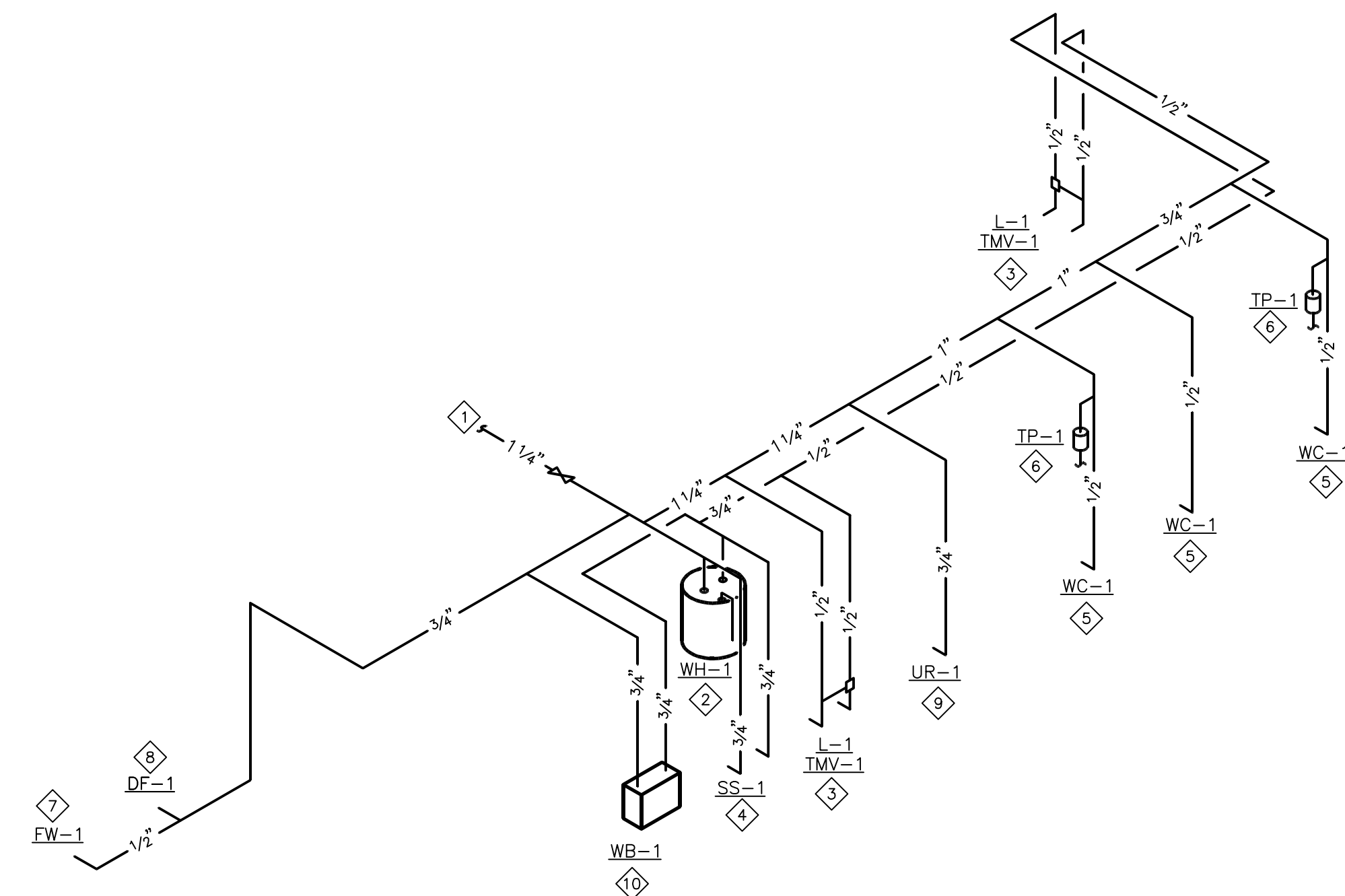
1. REFER TO SHEET M1.0 FOR GENERAL NOTES.
2. REFER TO SHEET M2.0 FOR MECHANICAL SPECIFICATIONS.
3. REFER TO SHEET M3.0 FOR SCHEDULES.
4. REFER TO SHEET M4.0 FOR MECHANICAL DETAILS.
5. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS IN FIELD PRIOR TO BID.

KEY NOTES:

- 1 NEW GAS HEAT ROOFTOP UNIT. CONTRACTOR TO REMOVE EXISTING ROOFTOP UNIT AND PLACE NEW UNIT IN EXISTING LOCATION. RE-USE EXISTING ROOF CURB IF POSSIBLE, PROVIDE NEW IF REQUIRED. VERIFY EXIST LOCATION OF EXISTING UNIT IN FIELD, LOCATION ON DRAWINGS IS APPROXIMATE ONLY - SEE SCHEDULE FOR BALANCING DETAILS.
- 2 NEW GAS HEAT ROOFTOP UNIT. VERIFY EXACT LOCATION IN FIELD WITH LANDLORD FIELD REPRESENTATIVE. LOCATION ON DRAWINGS IS APPROXIMATE ONLY - SEE SCHEDULE FOR BALANCING DETAILS.
- 3 DUCT SMOKE DETECTOR FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR IN RETURN MAIN DUCT AND REMOTE TEST STATION WITH VISIBLE AND AUDIBLE ALARM. SMOKE DETECTOR SHALL SHUT DOWN HVAC UNIT UPON DETECTION OF SMOKE. COORDINATE FINAL LOCATION OF REMOTE TEST STATION WITH AHJ.
- 4 ROUTE 1" CONDENSATE PIPE W/ MIN. 3" DEEP P-TRAP TO LANDLORD APPROVED LOCATION. PROVIDE ALL FITTINGS PER LOCAL CODES AND LANDLORD REQUIREMENTS. VERIFY ROUTING AND LOCATION ON SITE.
- 5 PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT FOR CONTROL MOUNTED 4'-0" A.F.F. COVERED WITH CLEAR LOCKABLE BOX. THERMOSTAT SHALL HAVE AUTOMATIC NIGHT SET-BACK WITH 5°F DEADBAND, 2-HOUR OCCUPANT OVERRIDE, AND MIN. 10-HOUR BATTERY BACKUP.
- 6 PROVIDE A HUMIDITY SENSOR FOR ROOF TOP UNIT (RTU-2) WITH DEHUMIDIFICATION SYSTEM PER MANUFACTURE'S SPECIFICATIONS AND MOUNT AT 4'-0" A.F.F..
- 7 PROVIDE A CO2 SENSOR FOR DEMAND CONTROL VENTILATION FOR ROOF TOP UNIT (RTU-2) PER LOCAL CODE REQUIREMENTS. MOUNT AT 4'-0" A.F.F.
- 8 EXTEND 1" GAS PIPING TO EXISTING LANDLORD PROVIDERO GAS METER. PROVIDE BALL VALVE, DIRT LEG, UNION AND PRESSURE REGULATOR (AS REQUIRED) FOR EACH ROOFTOP UNIT. VERIFY PIPE ROUTING AND COORDINATE METER LOCATION WITH LANDLORD REPRESENTATIVE AND UTILITY COMPANY. GAS PIPE SIZING BASED ON TABLE 402.4(3) OF THE 2018 IFGC AND 200' OF EQUIVALENT PIPE LENGTH.
- 9 PROVIDE CEILING MOUNTED TOILET EXHAUST FAN (EF-1) AND CONNECT WITH 6" RIGID DUCT W/ BACKDRAFT DAMPER. SUPPORT FROM STRUCTURE ABOVE.
- 10 PROVIDE CEILING MOUNTED TOILET EXHAUST FANS (EF-2) AND CONNECT WITH 6" RIGID DUCT W/ BACKDRAFT DAMPER. SUPPORT FROM STRUCTURE ABOVE.
- 11 ROUTE 8" DIA E.A. DUCT UP THRU ROOF AND TERMINATE IN A GOOSENECK W/ BIRD SCREEN 24" ABOVE ROOF. LOCATE A MINIMUM OF 10'-0" FROM O.A. INTAKES. VERIFY ROUTING AND LOCATION ON SITE.
- 12 CONNECT 4" GALVANIZED SHEET METAL CLOTHES DRYER DUCT TO CLOTHES DRYER AND ROUTE UP ALONG WALL TO SECONDARY LINT TRAP (FANTECH MODEL DBLT 4W) MOUNTED ON WALL AT 5'-4" A.F.F. AND ROUTE CLOTHES DRYER DUCT UP ALONG WALL ABOVE CEILING TO BOOSTER FAN (EF-3). AFTER BOOSTER FAN, ROUTE 4" CLOTHES DRYER DUCT UP THRU ROOF AND TERMINATE WITH PREFABRICATED CLOTHES DRYER VENT CAP WITH INTEGRAL BACKDRAFT DAMPER. TERMINATE DRYER VENT CAP A MIN. DISTANCE OF 10'-0" AWAY FROM ALL FRESH AIR INTAKES. SEE SCHEDULE ON SHEET M3.0 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 13 RETURN AIR GRILLE CONNECTION SHALL BE GALV. SHEET DUCT. FLEX DUCT IS NOT ACCEPTABLE (TYPICAL).
- 14 FLEX. DUCT 5'-0" MAX. LENGTH. TYPICAL FOR ALL.
- 15 VOLUME DAMPER AND SPIN-IN. TYPICAL FOR ALL.
- 16 ROUTE 16/12 TRANSFER/MAKE-UP AIR DUCT FROM WALL MOUNTED TRANSFER GRILLE TO CEILING MOUNTED TRANSFER GRILLE AS SHOWN ON PLAN (TRANSITION AS REQUIRED).
- 17 MOUNT TRANSFER AIR GRILLE ON WALL AS HIGH AS POSSIBLE. COORDINATE LOCATION OF GRILLE IN FIELD WITH OTHER TRADES PRIOR TO INSTALLATION.
- 18 MOUNT RETURN AIR GRILLE ON WALL AS HIGH AS POSSIBLE. COORDINATE LOCATION OF GRILLE IN FIELD WITH OTHER TRADES PRIOR TO INSTALLATION.
- 19 ALL EXPOSED DUCTWORK IN SALES AREA MUST BE ROUND SPIRAL. SQUARE DUCT IS NOT APPROVED. ROUND SPIRAL SHALL BE SINGLE WALL, GALVANIZED STEEL, SPIRAL LOCK SEAM CONSTRUCTION. ALL DUCTWORK AND FITTINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS LATEST EDITION. ALL EXPOSED ROUND DUCTWORK AND FITTINGS IN THE SALES AREA SHALL BE CLEANED OF ALL OILS AND COATINGS PRIOR TO INSTALLATION AND PROVIDED WITH A MILL PHOSPHATIZED FINISH ("PAINT GRIP", "ZINC GRIP", OR SIMILAR ETCH TREATMENT) TO ALLOW THE DUCTWORK TO BE PAINTED.
- 20 SUPPLY AIR DIFFUSER TO BE INSTALLED SO FACE OF DIFFUSER MATCHES HEIGHT A.F.F. OF SALES AREA LIGHTING. COORDINATE WITH ARCHITECTURAL PLANS FOR LIGHTING INSTALLATION HEIGHT. (TYPICAL)
- 21 12" ROUND BOTTOM SUPPLY AIR DUCT RUNOUT WITH VOLUME DAMPER TO DIFFUSER.
- 22 UNDERCUT DOOR BY ONE INCH TO ALLOW FOR TRANSFER AIR. VERIFY ALL REQUIREMENTS IN FIELD.



- 1 CONNECT NEW 1-1/4" CW TO EXISTING LANDLORD PROVIDED WATER SERVICE. EXISTING WATER METER TO REMAIN. VERIFY ALL REQUIREMENTS IN FIELD.
- 2 NEW ELECTRIC WATER HEATER. SEE DETAIL ON SHEET P2.0.
- 3 1/2" CW AND 1/2" HW TO LAVATORY. PROVIDE WATTS MODEL LFMM (OR APPROVED EQUAL) THERMOSTATIC MIXING VALVE IN ACCESSIBLE LOCATION. VALVE SHALL HAVE ASSE 1070 LISTING AND BE SET TO MAX. 110°F. SEE DETAIL ON SHEET P2.0.
- 4 3/4" CW AND 3/4" HW. MOP SINK/LAUNDRY TUB FAUCET SHALL HAVE INTEGRAL VACUUM BREAKER.
- 5 1/2" CW TO WATER CLOSET.
- 6 PROVIDE JOSAM MODEL 88300 (OR EQUAL) TRAP PRIMER IN ACCESSIBLE LOCATION AND EXTEND PIPE TO TRAP PRIMER CONNECTION ON FLOOR SINK/DRAIN AS SHOWN. VERIFY ROUTING IN FIELD. SEE ISOMETRIC DRAWING FOR ADDITIONAL INFORMATION
- 7 1/2" CW TO FLOWATER REFILL STATION. PROVIDE ASSE 1024 DUAL CHECK VALVE. COORDINATE ALL REQUIREMENTS WITH FLOWATER REPRESENTATIVE IN FIELD.
- 8 1/2" CW TO DRINKING FOUNTAIN.
- 9 3/4" CW DOWN TO URINAL.
- 10 3/4" CW AND 3/4" HW DOWN TO WASHER WALL BOX WITH INTEGRAL VACUUM BREAKER.



② COLD AND HOT WATER ISOMETRIC DIAGRAM
NOT TO SCALE

P3.0

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GENERAL NOTES:

1. THE INTENT OF THESE DRAWINGS & SPECIFICATIONS IS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO ALLOW OTHER METHODS & MATERIALS NOT REFLECTED HEREIN. THE CONTRACTOR SHALL REQUEST APPROVAL TO WAIVE THE STANDARDS, PRIOR TO BEGINNING THE PROJECT. CONTRACT DOCUMENT REVISIONS TO ACCOMMODATE THE INSTALLED CONDITIONS, WITHOUT PRIOR APPROVAL, WILL RESULT IN ADDITIONAL DESIGN CHARGES TO THE CONTRACTOR.

2. THESE DRAWINGS INDICATE FINISHED REQUIREMENTS FOR ELECTRICAL SYSTEMS, EQUIPMENT, LIGHTING FIXTURES, OUTLETS & DEVICES. DUE TO STRUCTURAL CONDITIONS, MECHANICAL DUCTWORK, PIPING CONFLICTS, OR LEGITIMATE REASONS, THE CONTRACTOR MAY INSTALL INDICATED WORK IN A MANNER DIFFERENT FROM WHAT IS DRAWN. CHANGES SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW & APPROVAL PRIOR TO PROCEEDING. UPON APPROVAL, THE WORK SHALL BE PERFORMED & THE AS-BUILT DRAWINGS SHALL BE REVISED TO ACCURATELY REFLECT ANY CHANGES.

3. ELECTRICAL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE N.E.C.A INSTALLATION STANDARDS TO THE SATISFACTION OF THE ARCHITECT & THE ENGINEER.

4. ALL WORK, MATERIALS & EQUIPMENT SHALL CONFORM TO THE CURRENTLY ACCEPTED EDITION OF ALL APPLICABLE NATIONAL, STATE & CITY CODES & ORDINANCES.

5. ALL ELECTRICAL MATERIALS AND EQUIPMENT TO BE USED SHALL BE LISTED BY U.L. OR ANOTHER RECOGNIZED TESTING FACILITY AS PERMITTED BY THE JURISDICTION AUTHORITY.

6. WHERE APPARENT DISCREPANCIES EXISTS BETWEEN THE REQUIREMENTS OF THE GENERAL NOTES & INFORMATION IN THE ELECTRICAL DRAWINGS, THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF THE GREATER QUALITY OR QUANTITY.

7. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID & VERIFY THE EXISTING CONDITIONS. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL COSTS REQUIRED FOR PERMIT & INSPECTIONS.

8. THE CONTRACTOR SHALL VERIFY W/OWNER'S REPRESENTATIVE PRIOR TO BID SUBMISSION, THE ALLOWABLE WORKING HOURS, EMPLOYEE PARKING AREAS, MATERIAL DELIVERY, STORAGE REQUIREMENTS, DEMOLITION, REMOVAL OF CONSTRUCTION DEBRIS & DAILY CLEAN UP REQUIREMENTS. INCLUDE ALL COSTS IN BID FOR REQUIRED MATERIALS NEEDED FOR THE DURATION OF THE PROJECT. PERFORM ALL WORK AS DIRECTED BY OWNER'S REPRESENTATIVE & ARCHITECT.

9. ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW DEFECTIVE WORK, THE CONTRACTOR SHALL MAKE ALL NECESSARY CORRECTIONS AT NO ADDITIONAL COST TO THE OWNER.

10. THE CONTRACTOR SHALL GUARANTEE ALL WORK AGAINST DEFECTS IN MATERIALS & WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USE FOR 1 YEAR AFTER OWNER'S ACCEPTANCE. ALL DEFECTS SHALL BE PROMPTLY CORRECTED BY THE CONTRACTOR WITHOUT ADDITIONAL CHARGE TO THE OWNER.

11. PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT AND OWNER. DRAWINGS SHALL INCLUDE ACCURATE CONDUIT & DEVICE LOCATIONS DIMENSIONED FROM PERMANENT LANDMARKS.

12. DO NOT SCALE ELECTRICAL DRAWINGS. VERIFY EXACT LOCATION OF ALL DEVICES, JUNCTION BOXES, LIGHTING FIXTURES,OUTLET HEIGHTS, ETC. W/ARCHITECTURAL & INTERIOR DESIGN DRAWINGS PRIOR TO INSTALLATION. THE CONTRACTOR TO VERIFY EXACT LOCATIONS OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN. COORDINATE WITH CABINET SHOP DRAWINGS TO ENSURE PROPER HEIGHT & LOCATION WITH RESPECT TO MILLWORK, EQUIPMENT, ETC.

13. ANY RACEWAY SYSTEMS THAT MAY BE SHOWN ARE FOR DIAGRAMMATICAL PURPOSES ONLY. ACTUAL LOCATION & ROUTING OF ALL SHALL BE DETERMINED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.

14. PROVIDE A DEDICATED NEUTRAL FOR NEW CIRCUITS. HOME RUN CONDUCTORS MAY BE COMBINED INTO (1) CONDUIT. NO RACEWAY OR CABLE SHALL CONTAIN MORE THAN (9) CURRENT CARRYING CONDUCTORS. WHERE MULTIPLE CONDUCTORS IN EXCESS OF (3) ARE INDICATED ON THESE DRAWINGS, THEY MUST BE DERATED AS REQUIRED IN N.E.C. ARTICLE 310.

15. WHERE ALLOWED. MC CABLE MAY BE INSTALLED PER N.E.C. ARTICLE 330. WHERE MULTIPLE CABLES ARE ROUTED ADJACENT TO EACH OTHER (BUNDLED), A MINIMUM SEPARATION OF (1) CABLE DIAMETER (LARGEST) SHALL BE REQUIRED.

16. PLASTIC CABLE TIES ARE PROHIBITED FOR USE TO SUPPORT MC CABLE. USE ONLY CABLE SUPPORTS PER CABLE MANUFACTURER'S INSTALLATION REQUIREMENTS.

17. RACEWAYS SHALL BE CONCEALED (IN CMU OR OTHER WALLS) WHENEVER POSSIBLE. RACEWAYS INSTALLED EXPOSED SHALL BE ROUTED OUT OF PUBLIC VIEW. RACEWAYS SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.

18. PROVIDE APPROVED EXPANSION FITTINGS WHERE RACEWAYS CROSS BUILDING EXPANSION JOINTS. PROVIDE BONDING JUMPER(S) SIZED PER CODE WHERE REQUIRED. PROVIDE ALL FITTINGS REQUIRED FOR A COMPLETE INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATION(S).

19. MINIMUM RACEWAY SIZE SHALL BE 1/2". MINIMUM HOME RUN SIZE SHALL BE 3/4". MINIMUM CONDUCTOR SHALL SHALL BE #12 AWG UNLESS NOTED OTHERWISE. ALL POWER RELATED CONDUITS SHALL HAVE A CODE SIZE GROUND WIRE INSTALLED IN EACH RUN.

20. CONTRACTOR SHALL PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS. WHERE MORE THAN (1) CONDUIT TERMINATES AT A JUNCTION BOX, THE CONTRACTOR SHALL IDENTIFY EACH CONDUIT & JUNCTION BOX IN A MANNER THAT ALLOWS FOR IDENTIFICATION AFTER ALL WALL FINISHES HAVE BEEN APPLIED.
21. CONTRACTOR SHALL PROVIDE ALL RACEWAY SYSTEMS INDICATED ON THE DRAWINGS PER N.E.C. REQUIREMENTS & THE GENERAL NOTES. ANY CHANGE IN THE WIRING METHODS INDICATED SHALL REQUIRE WRITTEN APPROVAL FROM THE ARCHITECT, ENGINEER, OR OWNER. THE CONTRACTOR'S BID SHALL INCLUDE ALL COSTS FOR RACEWAY SYSTEMS AS SPECIFIED UNLESS NOTED OTHERWISE WITH WRITTEN APPROVAL FROM THE ARCHITECT, ENGINEER, OR OWNER & IS SUBMITTED AS PART OF CONTRACTOR'S FORMAL BID PROPOSAL.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECT SIZE & INSTALLATION OF ALL OUTLET, PULL & JUNCTION BOXES IN ACCORDANCE WITH N.E.C 314.16. ALL BOXES SHALL BE MINIMUM 4" SQUARE BY 1-1/2" DEEP OR AS INDICATED ON THE DRAWINGS. ALL BOXES SHALL BE RECESSED WITH COVER PLATES TO SUIT THE INTENDED APPLICATION.

23. REFER TO ARCHITECTURAL RCP FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES. ARCHITECTURAL DRAWINGS SHALL GOVERN CASE OF CONFLICT WITH THESE DRAWINGS.

24. PRIOR TO INSTALLATION, CONTRACTOR SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS FOR CONFLICTS WITH OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INSTALLATION CONFLICTS. THE CONTRACTOR SHALL MAKE NECESSARY MINOR ADJUSTMENTS IN EQUIPMENT LOCATION & ROUTING AT NO ADDITIONAL COST TO THE OWNER.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPERLY CUT & PATCHED EXISTING CONSTRUCTION AS REQUIRED TO INSTALL NEW ELECTRICAL WORK. ALL PATCHING SHALL BE EQUAL MATERIALS, WORKMANSHIP & FINISH AS THE EXISTING WORK & SHALL ACCURATELY MATCH ALL SURROUNDING WORK TO SATISFY THE ARCHITECT.

26. ALL ELECTRICAL EQUIPMENT SHALL HAVE SUFFICIENT GUTTER SPACE & LUGS TO ACCOMMODATE QUANTITY & SIZE OF CONDUCTORS REQUIRED. CONTRACTORS SHALL PROVIDE EQUIPMENT WITH OVERSIZED ENCLOSURES WHERE REQUIRED.

27. ALL NEW PANELBOARDS & SWITCHBOARDS SHALL BE OF THE SAME MANUFACTURER & HAVE LOCKING DOORS & TO BE KEYED THE SAME UNLESS NOTED OTHERWISE.

28. PROVIDE AN UPDATED TYPED PANEL DIRECTORY MOUNTED ON THE INSIDE OF ALL PANEL DOOR COVERS. DIRECTORY SHALL REFLECT ALL MODIFICATIONS TO EXISTING PANELS & SHALL REFLECT ACTUAL "AS-BUILT" CONDITIONS.

29. VERIFY DEVICE COLOR & MOUNTING ORIENTATION (VERTICAL OR HORIZONTAL) WITH ARCHITECTURAL & INTERIOR DESIGN DRAWINGS PRIOR TO ORDERING ANY EQUIPMENT & PROVIDE DEVICES AS REQUIRED UNLESS NOTED OTHERWISE. DEVICES AND DEVICE PLATES SHALL BE WHITE IN COLOR.

30. WHERE MOTORS ARE INSTALLED IN SUSPENDED CEILINGS, THE CONTRACTOR SHALL PROVIDE A DISCONNECT IN THE SUSPENDED CEILING WITHIN REACH FROM THE ACCESS POINT.

31. SIZING OF MOTOR RELATED ELECTRICAL COMPONENTS, INCLUDING FEEDER AND/OR BRANCH CIRCUITS (WIRE & CONDUIT) & OVERCURRENT PROTECTION (BREAKER AND/OR FUSES) IS BASED ON THE RATINGS INDICATED IN THE CONTRACT DOCUMENTS & ON THE N.E.C. MOTORS FLC TABLE FOR A GIVEN HORSEPOWER, VOLTAGE & PHASE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ACTUAL MOTOR & APPLIANCE RATING & LOADS. THE CONTRACTOR SHALL PROVIDE CORRECTLY SIZED MOTOR OVERLOAD ELECTRICAL COMPONENTS BASED ON NAMEPLATE RATING. REFLECT ALL CHANGES IN THE AS-BUILT DRAWINGS.

32. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW OF ELECTRICAL EQUIPMENT AND LIGHTING FIXTURES.

33. ALL PENETRATIONS OF FIRE RATED FLOORS OR WALLS SHALL BE PROTECTED BY MATERIALS & INSTALLATION DIAGRAMS THAT CONFORM TO U.L. LISTING FOR "THROUGH PENETRATION FIRE STOP SYSTEMS".

34. FIRE ALARM DEVICE WIRING SHALL BE A MINIMUM OF #14 AWG. COPPER OR PER SYSTEM MANUFACTURER REQUIREMENTS. PROVIDE MINIMUM OF 3/4" SEPARATE RACEWAY SYSTEM OR AS REQUIRED FOR LIFE SAFETY SYSTEM WIRING CONFIGURATION.

35. UPON COMPLETION OF THE INSTALLATION OF THE LIFE SAFETY SYSTEM WIRING & DEVICES, A PERFORMANCE TEST OF THE ENTIRE LIFE SAFETY SHALL BE PERFORMED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.

36. ALL ELECTRICAL TERMINATIONS OR EQUIPMENT TO UNDERGO A TORQUE TEST. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE MANUFACTURER'S TORQUE DOCUMENTATION & THE TOOLS NECESSARY TO PERFORM A TORQUE TEST.

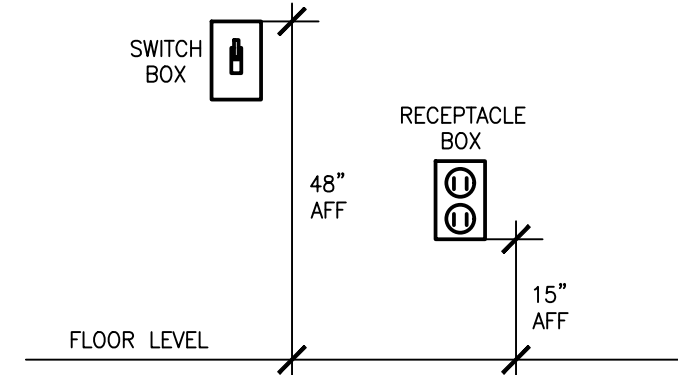
37. ALL UNDERGROUND SERVICE CONDUITS SHALL BE SEALED PER N.E.C. ARTICLE 230.8.

38. FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE ON A 4" HIGH CONCRETE PAD.

39. INSTALL TRANSFORMER FOLLOWING MANUFACTURER'S RECOMMENDATIONS FOR VENTILATION CLEARANCES.

40. COORDINATE ELECTRICAL REQUIREMENTS FOR ALL PLUMBING & MECHANICAL EQUIPMENT WITH FINAL CONTRACTOR SELECTION. THE CONTRACTOR SHALL SIZE DISCONNECTS BASED UPON CIRCUIT BREAKER RATINGS & PROVIDE FUSING AS REQUIRED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS & U.L. LISTING REQUIREMENTS.

41. PROVIDE #10 AWG CONDUCTORS FOR 20 AMP, 120 VOLT BRANCH CIRCUITS LONGER THAN 75' & #8 AWG CONDUCTORS FOR 20 AMP, 120 VOLT BRANCH CIRCUITS LONGER THAN 120'. PROVIDE #10 AWG CONDUCTORS FOR 20 AMP, 277 VOLT BRANCH CIRCUITS LONGER THAN 200'.



OUTLET/SWITCHES MOUNTING ELEVATION

FIRE ALARM DEFERRAL NOTES:

DUNHAM ASSOCIATES IS NOT THE ENGINEER OF RECORD FOR FIRE ALARM. THE ELECTRICAL CONTRACTOR SHALL INCLUDE A PRICE IN THE ELECTRICAL BID FOR A LANDLORD APPROVED FIRE ALARM SYSTEM, INCLUDING PLANS AND ALL ASSOCIATED DOCUMENTS AS REQUIRED. THESE PLANS SHALL BE SUBMITTED TO THE LOCAL AUTHORITIES BY A QUALIFIED AND LICENSED DESIGN-BUILD FIRE ALARM CONTRACTOR FOR A COMPLETE AND APPROVED FIRE ALARM SYSTEM. THE PLANS SHALL BE SIGNED AND SEALED BY THE ENGINEER OF RECORD AND SUBMITTED FOR PLAN REVIEW PRIOR TO RECEIVING SPECIFIC PERMITS FOR THIS WORK. THE FIRE ALARM CONTRACTOR SHALL ALSO SUBMIT ALL SHOP DRAWINGS, BATTERY CALCULATIONS, SPECIFICATION SHEETS, ETC. AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION TO THEIR LOCAL DESIGN ENGINEER FOR REVIEW AND APPROVAL. LOCATIONS AND NUMBER OF DEVICES ARE SUGGESTED ONLY.

NOTES & TAGS

<div>E19</div> <div>RTU</div> <div>1</div>	ELEC EQUIP CONNECTION TAG – SEE EQUIP SCHEDULE CO=CONVENIENCE OUTLET
<div>◇</div>	KEYNOTE
<div>L-1,3</div> <div></div>	CIRCUIT HOME RUN – L INDICATES PANEL – NUMBERS INDICATE CIRCUITS
<div></div>	CONDUCTOR COUNT – UNLESS NOTED OTHERWISE / SHORT HASH INDICATES 1#12 WIRE / LONG HASH INDICATES 1#12 NEUTRAL / HASH W/ DOT INDICATES 1#12 GROUND
<div>⊖ ⊖</div>	JUNCTION BOX – WALL/CEILING MOUNT

POWER

<div></div>	BRANCH CIRCUIT PANEL	
<div></div>	TRANSFORMER	
<div></div>	MOTOR OR MOTOR CONNECTION	
<div></div>	DISCONNECT SWITCH	
<div></div>	SINGLE RECEPTACLE	18"
<div></div>	DUPLEX RECEPTACLE	18"
<div></div>	ENTIRE DUPLEX RECEPTACLE TO BE SWITCHED	18"
<div></div>	LOWER HALF OF DUPLEX RECEPTACLE TO BE SWITCHED	18"
<div></div>	QUADPLEX RECEPTACLE	18"
<div></div>	DUPLEX RECEPTACLE– CEILING MOUNT	
<div></div>	GFI RECEPTACLE, DUPLEX/QUADPLEX– WALL MOUNT	
<div></div>	CLOCK RECEPTACLE	
<div></div>	SPECIAL PURPOSE RECEPTACLE	18"
<div></div>	SPECIAL PURPOSE RECEPTACLE – CEILING	
<div></div>	FLOOR BOX– DEVICES AS INDICATED	
<div></div>	POWER POLE – DEVICES AS INDICATED	
<div></div>	MULTIOUTLET ASSEMBLY – DEVICES AS INDICATED	

SWITCHES & CONTROLS

<div>\$</div>	SINGLE POLE TOGGLE SWITCH	48"
<div>\$</div>	THREE WAY TOGGLE SWITCH	48"
<div>\$^a</div>	TOGGLE SWITCH – "a" INDICATES SWITCHING	48"
<div>\$</div>	PILOT LIGHT TOGGLE SWITCH	48"
<div>\$^b</div>	ILLUMINATED TOGGLE – TOGGLE SWITCH	48"
<div>\$^c</div>	KEYED SWITCH	48"
<div>\$¹⁰</div>	MOMENTARY CONTACT TOGGLE SWITCH	48"
<div>\$¹⁵</div>	TIMER SWITCH	48"
<div></div>	DIMMER SWITCH	48"
<div></div>	OCCUPANCY SENSOR – WALL/CLG MOUNT	
<div>\$⁹⁰</div>	OCCUPANCY SENSOR WALL SWITCH	48"
<div></div>	VACANCY SENSOR – WALL/CLG MOUNT	
<div>\$¹⁵</div>	VACANCY SENSOR WALL SWITCH	48"
<div></div>	PHOTO ELECTRIC CELL	
<div></div>	TIME CLOCK	
<div></div>	CONTACTOR	
<div></div>	LOW VOLTAGE TRANSFORMER	
<div></div>	ELECTRIC THERMOSTAT	
<div></div>	PUSHBUTTON STATION – BUTTONS AS INDICATED	

FIRE ALARM/DATA

<div></div>	MANUAL PULL STATION – WALL MOUNT @48"	
<div></div>	SMOKE DETECTOR (P=PHOTOELEC, I=IONIZATION)	
<div></div>	DUCT MOUNTED SMOKE DETECTOR	
<div></div>	FLOW SWITCH	
<div></div>	TAMPER SWITCH	
<div></div>	STROBE (# = CANDELA)	
<div></div>	HORN	
<div></div>	HORN/STROBE	
<div></div>	DATA OUTLET – WALL MOUNT	
<div></div>	DOUBLE GANG DATA OUTLET – WALL MOUNT	
<div></div>	PHONE OUTLET – WALL MOUNT	
<div></div>	TV SYSTEM OUTLET	

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
CO	CONVENIENCE (GENERAL) OUTLET
GFI/GFCI	GROUND FAULT INTERRUPTER
GND	GROUND
IG	ISOLATED GROUND
TYP	TYPICAL
UC	UNDER COUNTER
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF

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CYCLEBAR

INTERIOR TENANT IMPROVEMENT

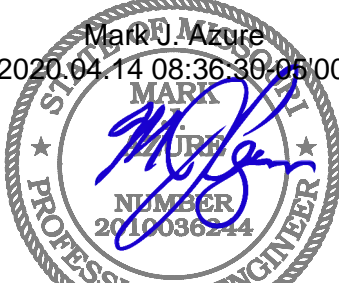
910-W NORTHWEST BLUE PARKWAY,
LEE'S SUMMIT, MO 64086

PROJECT LOCATION

SHEET TITLE

GENERAL NOTES, SYMBOLS LIST, FIXTURE
SCHEDULE, ABBREV. AND KEY PLAN

STAMP



4/14/2020

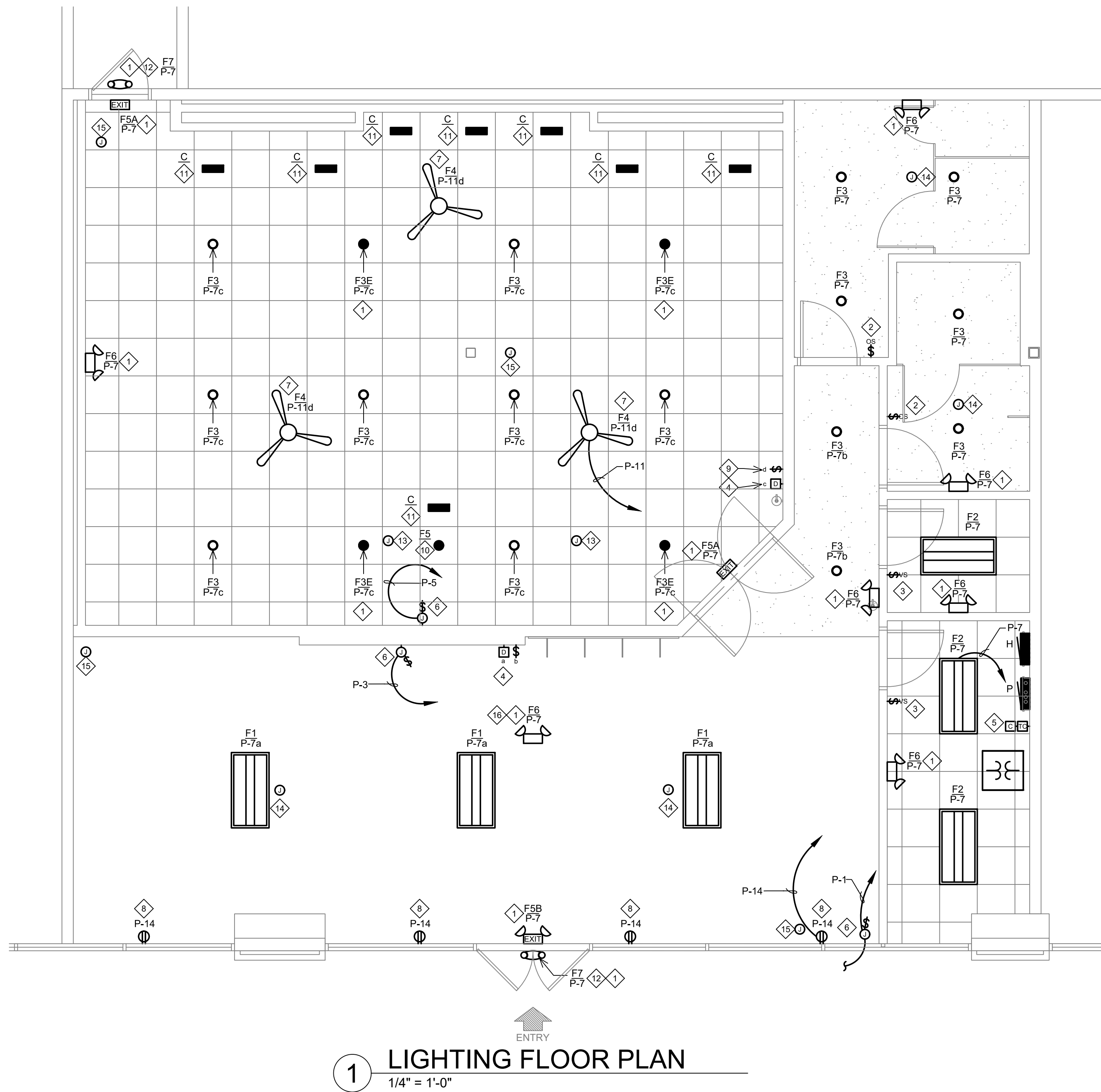
REVISIONS

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DATE
2020.04.10
PROJECT NUMBER
A2276

SHEET NUMBER

E1.0



1 LIGHTING FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES:

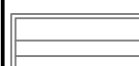









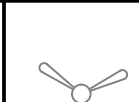
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF LUMINAIRES.
- EACH LUMINAIRE SHALL BE STRUCTURALLY SUPPORTED; DO NOT USE CONDUIT FOR SUPPORT FOR EITHER FIXTURES OR BOXES.
- USE FLEXIBLE METAL CONDUIT (GREENFIELD) FOR CONNECTION OF LAY-IN FIXTURES.
- PROVIDE GROUND CONDUCTOR IN ALL CONDUIT RUNS.
- THOUGH WIRING OF FIXTURES SHALL NOT BE PERMITTED UNLESS SPECIFICALLY ILLUSTRATED.
- EACH LUMINAIRE SHALL HAVE ITS OWN BOX UNLESS OTHERWISE ILLUSTRATED.
- VERIFY LOCATION OF WALL MOUNTED EMERGENCY LUMINAIRES TO AVOID CONFLICT WITH WOOD TRIM
- REFER TO ARCHITECTURAL FOR EXACT LOCATION OF LUMINAIRES COORDINATE WITH ARCHITECT FOR LOCATION OF LUMINAIRES AND DEVICES BEFORE ROUGH-IN.

KEY NOTES:

- PROVIDE UNSWITCHED HOT TO ALL EXIT, EMERGENCY, AND NIGHT LIGHTS TO BYPASS SWITCH CONTROLS. THIS MUST BE IN ADDITION TO SWITCHED HOT.
- PROVIDE LUTRON MAESTRO WALL MOUNTED OCCUPANCY SENSOR MS-A102-O. INSTALL PER MANUFACTURER'S INSTALLATION GUIDE.
- PROVIDE LUTRON MAESTRO WALL MOUNTED VACANCY SENSOR MS-A102-V. INSTALL PER MANUFACTURER'S INSTALLATION GUIDE.
- PROVIDE LUTRON DIVA 0-10V DIMMER DVTV-WH WITH POWER PACK PP-DV.
- PROVIDE 2 CHANNEL INTERMATIC ASTRONOMIC TIME CLOCK MODEL NO. ET8215C WITH 0-2 HOUR SPRING WOUND TIMER AND 4 POLE LIGHTING CONTACTOR. CONNECT SIGN, INTERIOR LIGHTING AND SHOW WINDOW RECEPTACLES.
- PROVIDE JUNCTION BOX WITH DISCONNECT SWITCH IN CONCEALED LOCATION FOR CONNECTION TO SIGN LIGHTING. LOCATE DISCONNECT SWITCH IN CONCEALED ACCESSIBLE LOCATION PER NEC 600.6. E.C. SHALL MAKE FINAL CONNECTION TO SIGN AND CONTROL VIA TIME CLOCK. COORDINATE WITH SIGN VENDOR PRIOR TO ROUGH-IN.
- PROVIDE FAN RATED JUNCTION BOX AND SEISMIC APPROVED HARDWARE ON ROOF TRUSSES.
- PROVIDE SHOW WINDOW RECEPTACLE WITHIN 18" OF THE TOP OF THE WINDOW PER NEC 210.62.
- PROVIDE ENVIROFAN SPEED CONTROL MODEL NO. 105FR FOR CONTROL OF CEILING FANS.
- NEW RECESSED 3 WATT LED DOWNLIGHT PROVIDED AND INSTALLED BY OTHERS. CONNECTED AND CONTROLLED VIA A/V SYSTEM.
- NEW RECESSED 3 WATT LED WALL WASH PROVIDED AND INSTALLED BY OTHERS. CONNECTED AND CONTROLLED VIA A/V SYSTEM.
- VERIFY IF THERE IS ADEQUATE GENERAL & EMERGENCY LIGHTING PRESENT. IF NOT COORDINATE WITH LANDLORD AND PROVIDE NEW.
- PROVIDE JUNCTION BOX MOUNTED TO UNISTRUT WITH SPEAKER CABLE FROM EACH SPEAKER LOCATION BACK TO A/V RACK WITH A 15' WHIP AT THE A/V RACK. COORDINATE EXACT LOCATION OF SPEAKERS WITH A/V VENDOR PRIOR TO ROUGH-IN. SEE SHEET E3.0 FOR A/V RACK LOCATION.
- PROVIDE JUNCTION BOX FOR SURFACE/PENDANT MOUNTED SPEAKER WITH SPEAKER CABLE FROM EACH SPEAKER LOCATION BACK TO A/V RACK. PROVIDE A 15' WHIP AT THE A/V RACK. SEE SHEET E3.0 FOR A/V RACK LOCATION.
- PROVIDE (1) CAT6 PLENUM RATED CABLE FOR EACH CAMERA LOCATION. THE CABLE SHALL RUN FROM EACH CAMERA BACK TO THE A/V RACK WITH A 15' WHIP LEFT AT EACH CAMERA LOCATION AND A 15' WHIP PROTRUDING FROM THE A/V CUT IN RING AT THE PLATFORM.
- PENDANT MOUNT FIXTURE AT 11'0" A.F.F.

LIGHTING SCHEDULE

ARCHITECTURAL FIXTURE TYPES - CYCLEBAR PROTOTYPE

ARCHITECTURAL FIXTURE TYPES - CYCLEBLAR PROTOTYPE																							
FIXTURE DESIGNATION	SYMBOL	DESCRIPTION	WATTS	VOLTAGE	MANUFACTURER	MODEL #	REMARKS	FIXTURE DESIGNATION	SYMBOL	DESCRIPTION	WATTS	VOLTAGE	MANUFACTURER	MODEL #	REMARKS	FIXTURE DESIGNATION	SYMBOL	DESCRIPTION	WATTS	VOLTAGE	MANUFACTURER	MODEL #	REMARKS
F1		SUSPENDED 2'X4' LED PANEL LIGHT, DIRECT/INDIRECT	50W	120V	KONLITE	KK-PS-24DW-50-LFSZ	SUSPENSION MOUNTED AT 10' A.F.F. IN LOBBY / CHECK-IN AREA. G.C. TO PROVIDE SUSPENSION MOUNTING KIT.	F5A		EXIT, SINGL/DOUBLE, RED LETTERS, HIGH LUMEN, UNIVERSAL MOUNTED, SELF POWERED, REMOTE CAPABLE	3	DV	LITHONIA LIGHTING	LHQM-LED-R-HO RO	WALL/ CEILING MOUNT	C		6' WALL WASH - POWERED OVER ETHERNET	3W	-	PROVIDED & INSTALLED BY A/V VENDOR	PROVIDED & INSTALLED BY A/V VENDOR	PROVIDED & INSTALLED BY A/V VENDOR. POWERED VIA AV RACK.
F2		RECESSED 2'X4' LED TROFFER	31W	120V	LITHONIA LIGHTING	2BLT4-48L-ADP-EZ1-LP840	RECESSED AT CORRIDOR.		F5B		EXIT, SINGL/DOUBLE, RED LETTERS, EMERGENCY LIGHT COMBINATION, HIGH LUMEN, UNIVERSAL MOUNTED, SELF POWERED, REMOTE CAPABLE	3	DV	LITHONIA LIGHTING	LHQM-LED-R-HO	WALL/ CEILING MOUNT	F5		6' DOWNLIGHT - POWERED OVER ETHERNET	3W	-	PROVIDED & INSTALLED BY A/V VENDOR	PROVIDED & INSTALLED BY A/V VENDOR
F3		6" RECESSED LED DOWNLIGHT	12.7W	120V	LITHONIA LIGHTING	LDN6-40-20-L06-WH-LD-MVOLT-EZ1	RECESSED MOUNT IN GYP. CEILING IN RESTROOM AND UTILITY ROOM. RECESSED MOUNT IN ACT CYCLE THEATER.	F6			DOUBLE HEAD EMERGENCY UNIT	14.2	UNIV	LITHONIA LIGHTING	ELM6L EMERGENCY LIGHT	WALL/ CEILING MOUNT PROVIDE WITH 90 MINUTE BATTERY. PROVIDE WPVS ACCESSORY FOR SHOWER UNIT.							
F3E		6" RECESSED LED DOWNLIGHT WITH EMERGENCY BATTERY PACK	12.7W	120V	LITHONIA LIGHTING	LDN6-40-20-L06-WH-LD-MVOLT-EZ1 E10WCP	RECESSED MOUNT IN GYP. CEILING IN RESTROOM AND UTILITY ROOM. RECESSED MOUNT IN ACT CYCLE THEATER	F7		DOUBLE HEAD EMERGENCY UNIT, WET LOCATION REMOTE CAPABLE	7W	120V	LITHONIA LIGHTING	WLTU MR	WALL MOUNT PROVIDE WITH 90 MINUTE BATTERY AT FRONT ENTRY ON EXTERIOR SIDE.								
F4		56" PENDANT MOUNTED FAN WITH FAN SPEED CONTROL	N/A	120V	ENVIRONFAN	GOLD LINE 160F-7 BLK	PENDANT MOUNTED @ 10'-0" A.F.F. AT CYCLE THEATER																

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CYCLEBAR
INTERIOR TENANT IMPROVEMENT

910-W NORTHWEST BLUE PARKWAY,
LEE'S SUMMIT, MO 64086

FLOOR PLAN - LIGHTING

PROJECT
LOCATION

SHEET TITLE

STAMP



4/14/2020

REVISIONS

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DATE

2020.04.10

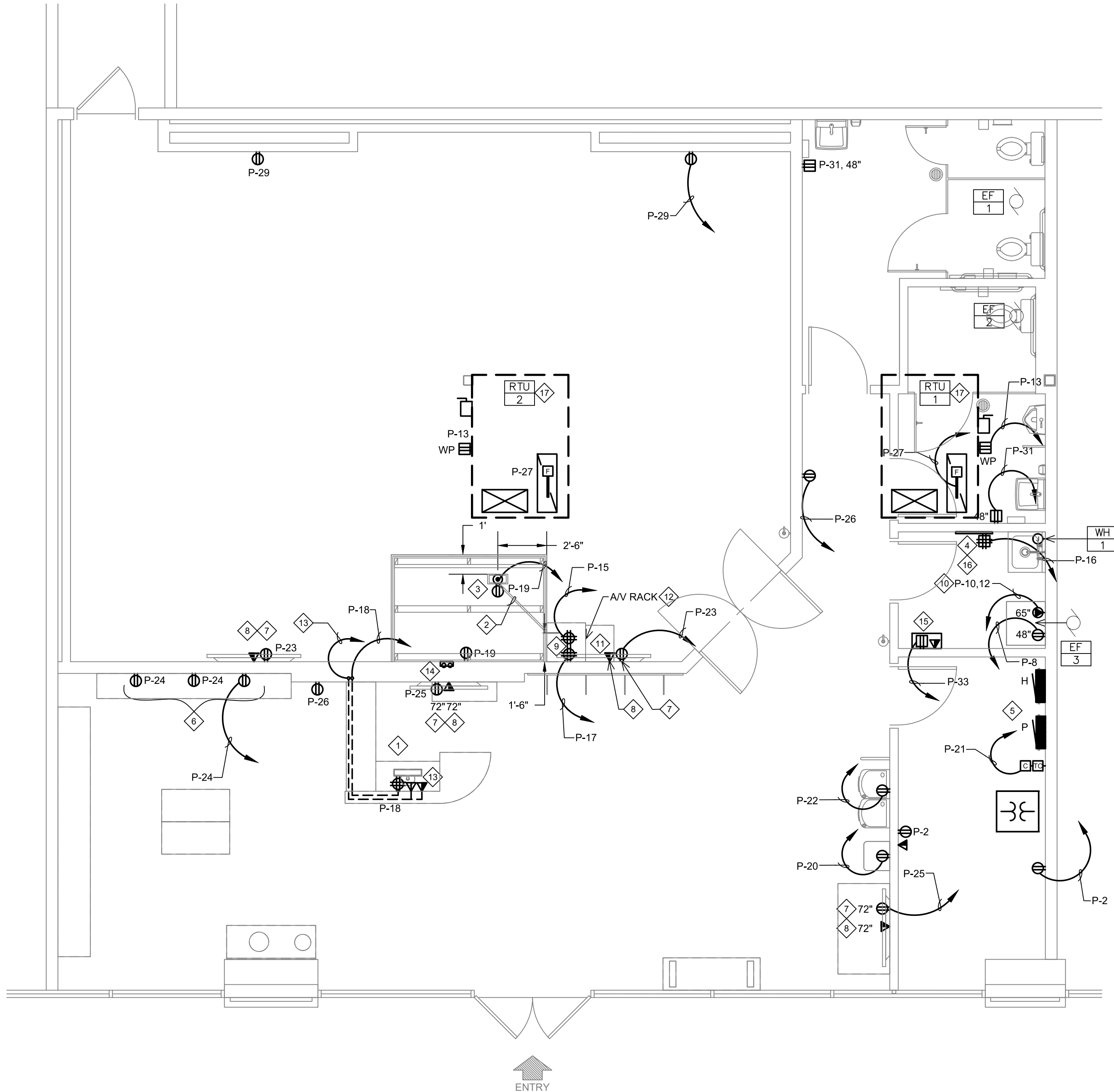
PROJECT NUMBER

A2276

SHEET NUMBER

E2.0

MECHANICAL EQUIPMENT SCHEDULE											
ITEM NO	DESCRIPTION	MCA	KW	VOLTS	PHASE	DISCONNECT	BKR	PNL-CKT	WIRE	GROUND	NOTES
RTU-1	ROOF TOP UNIT	12.0	--	480	3	30A/3P NON-FUSED	15A/3P	H-7,9,11	3/4"C. 3 #12	1#12	1,2,3,4,6
RTU-2	ROOF TOP UNIT	28.0	--	480	3	30A/3P NON-FUSED	30A/3P	H-2,4,6	3/4"C. 3#10	1#10	1,2,3,4,6
EF-1	EXHAUST FAN	--	0.137	120	1	20A/1P MOTOR RTD. SW.	20A/1P	P-7	1/2"C. 2 #12	1 #12	1,5
EF-2	EXHAUST FAN	--	0.137	120	1	20A/1P MOTOR RTD. SW.	20A/1P	P-7	1/2"C. 2 #12	1 #12	1,5
EF-3	DRYER BOOSTER FAN	--	0.083	120	1	20A/1P MOTOR RTD. SW.	20A/1P	P-35	1/2"C. 2 #12	1 #12	1
WH-1	WATER HEATER	--	6.000	480	1	LOCK OFF DEVICE	20A/2P	H-8,10	3/4"C. 2 #12	1 #12	1
MOTOR/EQUIPMENT SCHEDULE NOTE (NOT ALL NOTES MAY BE USED)											
1. VERIFY REQUIREMENTS OF EQUIPMENT.											
2. PROVIDED DUCT SMOKE DETECTOR IN MAIN RETURN DUCT. DUCT SMOKE DETECTOR TO SHUT DOWN UNIT UPON ALARM CONDITION.											
3. VERIFY NAMEPLATE RATING ON UNIT AS IT MAY DIFFER FROM LOADS SHOWN HERE.											
4. PROVIDE CONNECTION TO MECHANICAL CONTRACTOR PROVIDED CONTROLS AS REQUIRED.											
5. CONTROL VIA LIGHT SWITCH LOCATED IN ROOM. COORDINATE WITH MECHANICAL CONTRACTOR.											
6. PROVIDE GFI SERVICE RECEPTACLE WITH WEATEHRPROOF IN-USE COVER. CIRCUIT AS SHOWN.											



1 POWER FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES:

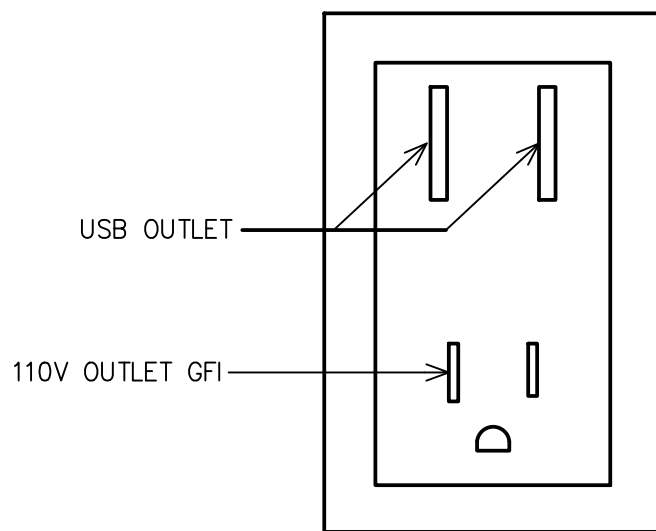
- ALL WIRING SHALL BE #12 THHN MINIMUM FOR DRY LOCATIONS.
- ALL ELECTRICAL MATERIAL, DEVICES, AND EQUIPMENT SHALL BEAR "U.L." LABELS AND SHALL BE INSTALLED PER THE "N.E.C." AND PER THE LOCAL INSPECTION BUREAU'S REQUIREMENTS. ALL MATERIAL, DEVICES, AND EQUIPMENT SHALL BE GROUNDED PER "N.E.C."
- ALL CONTRACTORS SHALL VERIFY ALL REQUIREMENTS OF EQUIPMENT PRIOR TO COMMENCING WITH THE WORK.
- COORDINATE MOUNTING HEIGHTS AND OUTLET LOCATIONS WITH TENANT PRIOR TO ROUGH-IN.
- VERIFY METHOD OF CONNECTIONS TO ALL EQUIPMENT WITH TENANT PRIOR TO ROUGH-IN.
- PROVIDE MATCHING RECEPTACLE FOR ALL EQUIPMENT SUPPLIED WITH CORD AND PLUG. INSTALL CORD & PLUG ON EQUIPMENT WHICH WAS SHIPPED SEPARATELY. FURNISH AND INSTALL CORD & PLUG ON EQUIPMENT WHICH REQUIRES CORD & PLUG.
- INTERIOR BUILDING CONDUIT RUNS SHALL BE CONCEALED AT ALL TIMES (IN WALL, COUNTER, CEILING OR FLOOR). EXTERIOR BUILDING CONDUIT RUNS SHALL BE RIGID GRC. OR EQUAL. ELECTRICAL CONTRACTOR TO FIELD VERIFY EXACT REQUIREMENTS AND TO INSURE COMPLETE ELECTRICAL INSTALLATION MEETS ALL APPLICABLE CODES AND REGULATIONS
- THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING THROUGH PENETRATION PROTECTION DEVICES AND FIRESTOPPING DEVICES AT ALL PIPES, LINE, WIRING, DUCTWORK OR OTHER COMPONENTS THIS CONTRACTOR INSTALLS WHICH PENETRATE RATED WALLS OR FLOOR/CEILING ASSEMBLIES.
- COORDINATE COLOR OF RECEPTACLES AND COVER PLATE WITH ARCHITECT, ALL COVER PLATES IN THE CYCLE STUDIO SHALL BE PAINTED BLACK.
- THIS CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT REQUIRED FOR TEMPORARY ELECTRIC SERVICE SUFFICIENT FOR ALL NEW CONSTRUCTION.
- ALL KITCHEN, BATH AND SINK COUNTERTOP AND EXTERIOR WEATHERPROOF OUTLETS SHALL BE G.F.I. (GROUND FAULT INTERRUPT) TYPE. ALL DEVICES MOUNTED AT COUNTERTOP LEVEL OR AS MAY OTHERWISE BE REQUIRED, SHALL BE MOUNTED IN A FASHION SO THAT THE BOTTOM OF THE DEVICE TRIM, COVER PLATE, ETC... CAN BE FASTENED CLEAR OF ANY TRIM SUCH AS BACK SPLASHES, SIDEBOARDS, ETC. ANY REQUIRED RELOCATION OF DEVICES SHALL BE AT THE EXPENSE OF THIS CONTRACTOR.
- ALL EXTERIOR WIRING SHALL BE IN RIGID CONDUIT OR SCHEDULE 40 P.V.C. CONDUITS.
- VERIFY ALL EQUIPMENT LOADS, LOCATIONS AND PANELBOARD SCHEDULES PRIOR TO ROUTING CONDUITS, PULLING WIRE AND INSTALLING BREAKERS AND ELECTRICAL DEVICES.
- CODE AND REGULATIONS COMPLY WITH STATE AND LOCAL CODES, UTILITY COMPANY REGULATIONS AND THE LATEST EDITIONS OF: THE UNIFORM CODES (BUILDING, PLUMBING AND MECHANICAL) NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). FINAL INTERPRETATIONS WILL BE MADE BY THE LOCAL INSPECTION AUTHORITY.

KEY NOTES:

- PROVIDE QUAD RECEPTACLE AND DATA WITHIN RECEPTION DESK AT 24" A.F.F. FOR P.O.S. EQUIPMENT. POWER AND DATA CABLES SHALL BE RUN FROM WALL BEHIND DESK AND THEN INTO DESK MILLWORK TO LOCATIONS AS SHOWN. COORDINATE WITH MILLWORK VENDOR PRIOR TO ROUGH-IN.
- PROVIDE 1-1/2" FLEX CONDUIT FOR LOW VOLTAGE CONNECTIONS, IN AS STRAIGHT OF LINE AS POSSIBLE, FROM 18" OFF OF THE BACK WALL AT THE A/V RACK LOCATION TO THE FLOOR BOX AT THE TRAINERS INSTRUCTION STATION . SEE ARCHITECTURAL DETAILS FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- PREPACKAGED FLOOR BOX KIT PROVIDED BY OTHERS AT RAISED PLATFORM WITH A DEDICATED DUPLEX RECEPTACLE AND SEPARATION FOR LOW VOLTAGE CONNECTIONS. SEE ARCHITECTURAL SHEETS AND DETAIL 16/A8.1 FOR ADDITIONAL INFORMATION.
- 42"x16"x3/4" FIRE RETARDANT AC GRADE PLYWOOD TELEPHONE BOARD. EXTEND 1" CONDUIT FROM LANDLORD DEMARCATION POINT TO CYCLEBAR TELEPHONE BOARD LOCATION.
- EXISTING ELECTRICAL PANELS AND SUSPENDED TRANSFORMER TO REMAIN. SEE RISER DIAGRAM AND PANEL SCHEDULE ON SHEET E4.0 FOR ADDITIONAL INFORMATION.
- PROVIDE COMBO USB/RECEPTACLE AT CHECK-IN MOUNTED AT 48" A.F.F. TO BOTTOM OF UNIT. LEVITON T56631 ONE 120V PLUG, TWO USB PORTS, REFER TO DETAIL 2 ON THIS SHEET.
- TV RECEPTACLE AND DATA. VERIFY LOCATION AND MOUNTING HEIGHT WITH TENANT REPRESENTATIVE.
- PROVIDE (2) CAT6A PLENUM RATED ETHERNET CABLES FROM TV LOCATION TO A/V RACK.
- PROVIDE (2) DEDICATED QUAD RECEPTACLES FOR A/V RACK.
- 208V 1Ø ELECTRIC DRYER AT LOCATION SHOWN, PROVIDE 1"C. 3#10, 1#10 GRD.
- BALANCED XLR PATCH CABLE FROM SUBWOOFER TO A/V RACK.
- A/V RACK SUPPLIED AND INSTALLED BY A/V CONTRACTOR.
- POS TERMINAL - PROVIDE (3) CAT6 CABLES TO A/V RACK.
- G.C. PROVIDED AV CABLING PROTRUDING FROM WALL VIA DOUBLE GANG PLASTER RING, PROVIDE 15' OF SLACK OF AV CABLING AT EACH END. LABEL CABLES CORRECTLY. E.C. TO STUB TWO (2) 1 1/2" CONDUITS 6" ABOVE CEILING FOR CABLING PATHWAY.
- CABLE MODEM LOCATION - PROVIDE (2) CAT6 CABLES TO A/V RACK.
- (2) CAT-6 DATA LINES FROM TELEPHONE BOARD BACK TO AV RACK. TERMINATED AND LABELED BY G.C.
- PROVIDE AND INSTALL THE FOLLOWING: DUCT SMOKE DETECTOR IN RETURN MAIN DUCT AND REMOTE TEST STATION WITH VISIBLE AND AUDIBLE ALARM. SMOKE DETECTOR SHALL SHUT DOWN HVAC UNIT UPON DETECTION OF SMOKE. COORDINATE FINAL LOCATION OF REMOTE TEST STATION WITH AHJ.

NOTE:

ALL COVER PLATES, OUTLETS, AND SWITCHES IN THE CYCLE THEATER SHALL BE FACTORY BLACK ALL OTHERS TO BE FACTORY BRIGHT WHITE.



2 USB/OUTLET COMBO DETAIL
NO SCALE

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CYCLEBAR

INTERIOR TENANT IMPROVEMENT

910-W NORTHWEST BLUE PARKWAY,
LEE'S SUMMIT, MO 64086

FLOOR PLAN - POWER & SYSTEMS

STAMP

2020.04.14 08:36:11 -0500

MARK J. AZULI
REGISTERED PROFESSIONAL ENGINEER
NUMBER 201006604

4/14/2020

REVISIONS

DATE
2020.04.10
PROJECT NUMBER
A2276

SHEET NUMBER

E3.0

ELECTRICAL CONTRACTOR SHALL VISIT SITE AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO BID. EXISTING EQUIPMENT TO BE REUSED WILL BE REQUIRED TO SATISFY THE REQUIREMENTS OF THE CURRENT NEC WITH REGARDS TO RATING, IDENTIFICATION, USE, WIRE BENDING SPACE, ETC. AS IF THEY WERE NEW.

PROVIDE NEW CIRCUIT BREAKERS IN PANELS AS REQUIRED. MATCH EXISTING EQUIPMENT WITH RESPECT TO MANUFACTURER AND RATING

RISER LEGEND

DASH LINE TYPE INDICATES EXISTING EQUIPMENT TO REMAIN

CONTINUOUS LINE TYPE INDICATES NEW EQUIPMENT TO BE INSTALLED BY CONTRACTOR

TO EXISTING
UTILITY TRANSFORMER

EXISTING GROUND
TO REMAIN.

EXISTING METER AND 200A
DISCONNECTS PROVIDED & INSTALLED
BY LANDLORD TO REMAIN. VERIFY
200A FUSES WITHIN DISCONNECT.
PROVIDE NEW AS REQUIRED.
COORDINATE WITH LANDLORD AND
UTILITY.

1 RISER DIAGRAM

NO SCALE

Panel :		H (EXISTING)	Voltage:		277/480V, 3PH, 4W							
No.	Amp/p	Note	Description	Ph	Code L VA	Code C VA	Code R VA	Code M VA	Code E VA	Code K VA	Code D VA	Code VA
1	50		EXISTING 30KVA XFMR	- A -	1834	2160	2560	274				
3	/		"	- B -	1200	540	4300					
5	3		"	- C -	1200	720	4440	314				
7	15	4	RTU-1	- A -				2812				
9	/		"	- B -				2812				
11	3		"	- C -				2812				
13	-		SPACE	- A -								
15	-		SPACE	- B -								
17	-		SPACE	- C -								
2	30	4	RTU-2	- A -				7133				
4	/		"	- B -				7133				
6	3		"	- C -				7133				
8	20/	2	WH-1	- A -			3000					
10	2		"	- B -			3000					
12	-		SPACE	- C -								
14	-		SPACE	- A -								
16	-		SPACE	- B -								
18	-		SPACE	- C -								
Through -			---	- A -								
Feed Lug			None	- B -								
Connection			---	- C -								
Main			200	- A -	1834	2160	5560	10219				
Breaker			/	- B -	1200	540	7300	9945				
			3	- C -	1200	720	4440	10259				
Breaker Notes:				Conn KVA phase loads				Total				
1 - PROVIDE LOCK-ON DEVICE								55.4				
2 - PROVIDE LOCK-OFF DEVICE								19.8				
3 - PROVIDE GFI BREAKER								- A - - B - - C -				
4 - PROVIDE HACR BREAKER								19.8 19.0 16.6				
5 - CONTROL VIA TIME CLOCK												
Panelboard Notes:												
1 -								Dmd Conn				
2 -								5.3 4.2 Code L * Lighting				
3 -								3.4 3.4 Code C * Convenience Receptacles (180 W)				
4 -								17.3 17.3 Code R * Receptacles (Non Convenience)				
5 -								32.1 30.4 Code M * Motors Largest motor VA 6814.0				
1 -								Code E * Electric Heat				
2 -								Code K * Kitchen Equip Demand 100%				
3 -								Code D * Dwelling Units (Hotel/Motel Rooms)				
4 -								58.1 55.4 Total KVA				
5 -								+ Spare KVA %Spare				
SURFACE : Mounting								58 Adjusted KVA (Demand KVA + Spare KVA)				
EXISTING : Amps AIC Rating								70 Adjusted Demand Amps				
200 : Amp Rating of Bus								75 High Phase Demand Amps 14-Apr-20				
MCB Main Lug Only (MLO) or Main Circuit Breaker (MCB)								File Name: Project Number: Project Name:				
480 : Phase to Phase Voltage								PANEL P 0420758-076-00 CYCLE BAR				

Panel :			P (EXISTING)	Voltage:		120/208V, 3PH, 4W					
No.	Amp/p	Note	Description	Ph	Code L VA	Code C VA	Code R VA	Code M VA	Code E VA	Code K VA	Code D VA
1	20/1	5	EXTERIOR SIGN	- A -	1200						
3	20/1	5	INTERIOR SIGN	- B -	1200						
5	20/1	5	INTERIOR SIGN	- C -	1200						
7	20/1	1.5	LIGHTING / EF-1, EF-2	- A -	634			274			
9	20/1		SPARE	- B -							
11	20/1		CEILING FANS	- C -				231			
13	20/1		RTU RECEPTACLES	- A -		360					
15	20/1		A/V RACK	- B -			1000				
17	20/1		A/V RACK	- C -			1000				
19	20/1		TRAINERS INSTRUCTION STATION REC.	- A -			360				
21	20/1		TIME CLOCK	- B -			200				
23	20/1		TELEVISIONS	- C -			400				
25	20/1		TELEVISIONS	- A -			400				
27	20/1		DUCT SMOKE DETECTOR	- B -			100				
29	20/1		GENERAL RECEPTACLES	- C -		360					
31	20/1		RESTROOM RECEPTACLES	- A -		360					
33	20/1		MODEM	- B -		180					
35	20/1		EF-3	- C -				83			
37	20/1		SPARE	- A -							
39	20/1		SPARE	- B -							
41	20/1		SPARE	- C -							
2	20/1		OFFICE RECEPTACLES	- A -		360					
4	20/1		SPARE	- B -							
6	3		SPARE	- C -							
8	20/1	3	WASHER	- A -			1000				
10	30/	3	DRYER	- B -			2500				
12	2		"	- C -			2500				
14	20/1		SHOW WINDOW RECEPTACLES	- A -		720					
16	20/1		TELEPHONE BOARD	- B -		360					
18	20/1		RECEPTION DESK	- C -		360					
20	20/1	3	FLOWATER REFILL STATION	- A -			800				
22	20/1	3	HI-LOW DRINKING FOUNTAIN	- B -			500				
24	20/1		CHECK-IN REEPTACLES	- C -			540				
26	20/1		GENERAL RECEPTACLES	- A -		360					
28	20/1		SPARE	- B -							
30	20/1		SPARE	- C -							
32	20/1		SPARE	- A -							
34	20/1		SPARE	- B -							
36	20/1		SPARE	- C -							
38	20/1		SPARE	- A -							
40	20/1		SPARE	- B -							
42	20/1		SPARE	- C -							
Through -			---	- A -							
Feed Lug			None	- B -							
Connection			---	- C -							
Main Breaker			100	- A -	1834	2160	2580	274			
			/	- B -	1200	540	4300				
			3	- C -	1200	720	4440	314			
Breaker Notes:				Conn KVA phase loads							
1 - PROVIDE LOCK-ON DEVICE				Total - A - - B - - C -							
2 - PROVIDE LOCK-OFF DEVICE				19.5 6.8 6.0 6.7							
3 - PROVIDE GFI BREAKER											
4 - PROVIDE HACR BREAKER											
5 - CONTROL VIA TIME CLOCK											
Panelboard Notes:											
1 -				Dmd Conn Panel - Bus KVA loads							
2 -				5.3 4.2 Code L - Lighting							
3 -				3.4 3.4 Code C - Convenience Receptacles (180 W)							
4 -				11.3 11.3 Code R * Receptacles (Non Convenience)							
5 -				0.6 0.6 Code M * Motors Largest motor VA 137.0							
1 -				Code E * Electric Heat							
2 -				Code K * Kitchen Equip Demand 100%							
3 -				Code D * Dwelling Units (Hotel/Motel Rooms)							
4 -				20.6 19.5 Total KVA							
5 -				+ Spare KVA %Spare							
SURFACE : Mounting				21 Adjusted KVA (Demand KVA + Spare KVA)							
EXISTING : Amps AIC Rating				57 Adjusted Demand Amps							
100 : Amp Rating of Bus				61 High Phase Demand Amps 14-Apr-20							
MCB Main Lug Only (MLO) or Main Circuit Breaker (MCB)				File Name: Project Number: Project Name:							
208 Phase to Phase Voltage				PANEL P 0420758-078-00 CYCLE BAR							

