

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ALT	ALTERNATE
BD	BOARD
BLDG	BUILDING
BM	BEAM
BTM	BOTTOM
B/O	BOTTOM OF
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS

DEPT	DEPARTMENT
D	DEPTH OR DEEP
DET	DETAIL
DIM	DIMENSION
DR	DOOR
DBL	DOUBLE
DWG	DRAWING

EJ	EXPANSION JOINT
ELEV	ELEVATION
ELEC	ELECTRICAL
EMER.	EMERGENCY
EQ	EQUAL
EX OR EXTG.	EXISTING
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F & I	FURNISHED & INSTALLED
FF	FINISH FLOOR
FIN	FINISHED
FLR	FLOOR
F/O	FACE OF

GALV	GALVANIZED
GA	GAUGE, OR GAGE
GC	GENERAL CONTRACTOR
GL	GLASS
GYP BD	GYPSUM BOARD/ DRYWALL
GWB	GYPSUM BOARD/ DRYWALL

HM	HOLLOW METAL
HGT	HEIGHT OR HIGH
H	HEIGHT
HVAC	HEATING/ VENTILATION/ AIR CONDITIONING

INSUL	INSULATION
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L	LENGTH OR LONG
L.L.	LEASE LINE
LLD	LANDLORD

MFR	MANUFACTURER
MAS	MASONRY
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MR	MOISTURE RESISTANT
MTG	MOUNTING

N/A	NOT APPLICABLE
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OC	ON CENTER
OH	OPPOSITE HAND
OD	OUTSIDE DIMENSION

PH	PHONE
PR	PAIR
PTD	PAINTED

QTY	QUANTITY
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REF	REFERENCE
REINF.	REINFORCING
RO	ROUGH OPENING

SHT	SHEET
SIM	SIMILAR
STD	STANDARD
STL	STEEL
STRUCT.	STRUCTURAL or STRUCTURE

TEMP	TEMPERED
THICK	THICK
THE	TO MATCH EXISTING
T/O	TOP OF
TS	TUBULAR STEEL
TYP	TYPICAL

UNO	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE

VCT	VINYL COMPOSITION TILE
VERT	VERTICAL

W	WIDTH OR WIDE
WD	WOOD
W/	WITH

AÉROPOSTALE

STORE #99 KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234

CONTACTS

OWNER/ TENANT AÉROPOSTALE 125 CHUBB AVENUE 5th FLOOR LYNDHURST, NJ 07071	TENANT COORDINATOR MACERICH 1162 PITTSFORD-VICTOR ROAD SUITE 100 PITTSFORD, NY 14534	BUILDING DEPARTMENT BROOKLYN BOROUGH OFFICE 210 JORALEMON STREET, 8TH FLOOR BROOKLYN, NY 11201	ARCHITECT LGA PARTNERS, LP 1425 FORBES AVE SUITE 400 PITTSBURGH, PA 15219	M.E.P. ENGINEER HALLBERG ENGINEERING 1750 COMMERCE COURT WHITE BEAR LAKE, MN 55110	PROJECT MANAGER LGA PARTNERS, LP 1425 FORBES AVENUE SUITE 400 PITTSBURGH, PA 15219
CONTACT: ROB RUSCHER TITLE: DIRECTOR OF CONSTRUCTION PH: (201) 508-5562 EM: rruscher@aeropostale.com	CONTACT: MELISSA WOODRUFF PH: (585) 249-4439 EM: melissa.woodruff@macerich.com	PH: (718) 802-3675	CONTACT: PAULETTE T. BURNS	CONTACT: DAVE QUIGLEY (651) 748-1100	CONTACT: HEIDI GETTY PH: (412) 224-6571 EM: hgetty@lga-partners.com
CONTACT: CHRISTOPHER YATES TITLE: PROJECT MANAGER PH: (201) 508-5590 EM: cyates@aeropostale.com					

CODE INFORMATION

USE GROUP: M - MERCANTILE	OCCUPANCY CALCULATION: TOTAL SQUARE FOOTAGE = 3529
CONSTRUCTION TYPE: IIB	
FULLY SPRINKLED: YES	SALES AREA: 2670 sf / 60 sf PER PERSON = 45
REQUIRED EXITS: 2	NON-SALES AREA: 859 sf / 300 sf PER PERSON = 3
FURNISHED EXITS: 2	TOTAL OCCUPANT LOAD = 48
APPLICABLE CODES: 2014 NYC EXISTING BUILDING CODE 2014 NYC MECHANICAL CODE 2014 NYC PLUMBING CODE 2016 NYC ENERGY COMPLIANCE CODE	
PREVAILING LOCAL AMENDMENTS	

NYCECC 2016 - ENERGY ANALYSIS
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH THE 2016 NYCECC.

DESCRIPTION OF PROJECT:

'AÉROPOSTALE' RETAIL CLOTHING STORE: TENANT INTERIOR RENOVATION/FIT-OUT OF A NEWLY DEMISED SPACE IN AN EXISTING (3) STORY COVERED MALL. LANDLORD IS REDEMISING THE SPACE, THERE IS NO DEMOLITION WORK IN TENANT'S SCOPE.

GENERAL CONSTRUCTION NOTES

- TENANT'S GENERAL CONTRACTOR (GC) IS TO VERIFY LEASE SPACE DIMENSIONS AND EXISTING BUILDING ELEMENTS FOR COMPLIANCE WITH THE DRAWINGS UPON COMPLETION OF DEMOLITION. NOTIFY THE OWNER FOR RESOLUTION OF DIMENSIONAL CONFLICTS IF EXISTING. NO CHANGE ORDERS WILL BE ISSUED FOR CHANGES REQUIRED IN THE WORK AFTER CONSTRUCTION HAS COMMENCED UNLESS WRITTEN AUTHORIZATION IS GIVEN BY THE OWNER.
- ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED IN THE CONTRACT DOCUMENTS BY THE GC SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING WITH RELATED WORK. OTHERWISE, THE CORRECTION OF SUCH ITEMS WILL BE THE RESPONSIBILITY OF THE GC.
- THE GC SHALL MEET WITH AN AUTHORIZED REPRESENTATIVE OF THE LANDLORD TO REVIEW CONSTRUCTION PROCEDURES ("PRE-COM" MEETING). GC SHALL COORDINATE WITH THE LANDLORD WITH REGARD TO TEMPORARY BARRICADES, UTILITIES, ALLOWABLE MATERIALS, TRAFFIC ROUTES, DELIVERY LOCATIONS AND METHODS, STORAGE OF MATERIALS AND TOOLS, NOISE, DUST CONTROL, REQUIRED DEPOSITS, REQUIRED CONTRACTORS, CLEAN-UP, AND ALL OTHER MATTERS REQUIRING ADHERENCE TO LANDLORD REQUIREMENTS.
- APPLICABLE STANDARDS OF THE CONSTRUCTION INDUSTRY HAVE THE SAME FORCE AND EFFECT ON PERFORMANCE OF THE WORK AS IF COPIED DIRECTLY INTO CONTRACT DOCUMENTS OR BOUND AND PUBLISHED HEREWITH. COMPLY WITH STANDARDS IN EFFECT AS OF THE DATE OF CONTRACT DOCUMENTS, UNLESS OTHERWISE INDICATED.
- THE GC IS RESPONSIBLE TO RECEIVE, COUNT AND VERIFY ALL OWNER FURNISHED ITEMS AT THE JOB SITE, INCLUDING BUT NOT LIMITED TO, FREE-STANDING FIXTURES, PERIMETER FIXTURES, FLOORING, GLAZING CHANNEL, CASEWORK & MILLWORK ITEMS, LIGHTING, LAMPS, GRAPHICS, A/V EQUIPMENT, AND FITTING ROOM COMPONENTS. GC TO REPORT SHORTAGES AND/OR DAMAGES IMMEDIATELY UPON SHIPMENT. UNLESS OTHERWISE INDICATED, THE GC IS TO FURNISH ALL MATERIALS, LABOR AND EQUIPMENT FOR THE COMPLETE AND SATISFACTORY EXECUTION OF THE CONTRACT WORK AS SHOWN, CALLED FOR, EXPRESSED OR REASONABLY IMPLIED BY THE CONTRACT DOCUMENTS AND IN COMPLIANCE WITH CODES AND REGULATIONS OF ALL NATIONAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION. GC TO CONTACT AÉROPOSTALE PRIOR TO START OF CONSTRUCTION TO CONFIRM ALL VENDOR SUPPLIED ITEMS, INSTALLATION AND SCHEDULE.
- PICTURES OF THE JOB SITE MUST BE SENT TO THE CONSTRUCTION MANAGER OR PROJECT MANAGER EVERY FRIDAY BY 10 AM EST, ALONG WITH THE AÉROPOSTALE REQUIRED "CONTRACTOR FORM" SPREADSHEET. THE SPREADSHEET HAS BEEN PROVIDED WITH THE BID PACKAGE FROM THE ARCHITECT. AT ANY TIME, AÉROPOSTALE'S CONSTRUCTION MANAGER OR PROJECT MANAGER HAS THE RIGHT TO REQUEST JOB SITE PICTURES MORE FREQUENTLY. THE GC MUST COMPLY WITH THIS REQUEST. DIGITAL PICTURES ARE REQUIRED TO BE PLACED ON AÉROPOSTALE'S PLAN ROOM WEBSITE.
- "PROVIDE" OR "PROVIDED" REFERS TO BOTH FURNISH AND INSTALL BY THE PARTY LISTED
- THE GC IS RESPONSIBLE FOR HAVING THE MOST CURRENT SET OF DRAWINGS ON SITE DURING CONSTRUCTION AND ALSO FOR THE DISTRIBUTION OF CURRENT DRAWINGS TO ALL SUBCONTRACTORS. THE GC AND THEIR SUBCONTRACTORS ARE RESPONSIBLE FOR REVIEWING THE REVISED DRAWINGS FOR CHANGES, REGARDLESS OF THE PRESENCE OF REVISION CLOUDS ON THE DRAWINGS. THE GC IS RESPONSIBLE FOR NOTIFYING THE OWNER OF ANY CHANGES THAT AFFECT THE ORIGINAL SCOPE OF WORK. THE GC MAY CONTACT LAMI GRUBB PRIOR TO CONSTRUCTION TO REQUEST THE MOST CURRENT SET OF ISSUED DRAWINGS.
- ALL GENERAL CONTRACTORS AND SUB-CONTRACTORS ARE REQUIRED TO CONTACT THE MALL MANAGEMENT OFFICE PRIOR TO ANY SITE VISITS TO SCHEDULE AN APPOINTMENT TO VISIT THE SPACE.
- THE GC IS RESPONSIBLE FOR HAVING A COPY OF THE LANDLORD APPROVED SET ON SITE AT ALL TIMES AND IS RESPONSIBLE FOR COMPLIANCE WITH ALL NOTES/ COMMENTS WITHIN THE DRAWING PACKAGE.
- GC SHALL FURNISH FIRE ALARM AND/OR SPRINKLER SHOP DRAWINGS AND PERMITS IF REQUIRED WORK APPLIES. MALL REQUIRED VENDORS.**

DRAWING ISSUE LIST

ISSUE	DATE	BRIEF DESCRIPTION CLIENT REVIEW SET
1	05/17/19	ORIGINAL SET LANDLORD
2	05/22/19	REVISION 1 - PERMIT SET REVISED SHEET LIST: T-100, G-100, G-101, A-101, A-102, A-202, A-301, A-801, A-901, E-100, E-200
3	06/17/19	REVISION 2 REVISED SHEET LIST: T-100, G-101, A-101, A-201, A-302, A-401, A-601, A-701, A-801, A-901
4	07/25/19	CONSTRUCTION SET
5	08/02/19	REVISION 3 - CONSTRUCTION REVISIONS REVISED SHEET LIST: A101, A201, A301, A302, A701

DRAWING INDEX

T-100 G-100 G-101 A-101 A-102 A-201 A-202 A-301 A-302 A-401 A-501 A-601 A-701 A-801 A-901	COVER SHEET INFORMATION SHEET INFORMATION SHEET CONSTRUCTION PLAN WALL TYPE DETAILS FIXTURE PLAN FIXTURE DETAILS INTERIOR ELEVATIONS WALL FINISH PLAN FLOOR FINISH PLAN FITTING ROOM INTERIOR ELEVATIONS REFLECTED CEILING PLAN LIGHTING PLAN STOREFRONT ELEVATION AND DETAILS STOREFRONT SECTIONS
M-000 M-100 M-200 E-000 E-101 E-200 E-300 E-400	MECHANICAL TITLE SHEET AND DETAILS HVAC PLAN MECHANICAL SPECIFICATIONS ELECTRICAL TITLE SHEET & PANEL SCHEDULES E-000 LIGHTING PLAN LIGHTING PLAN, SCHEDULE & DETAILS POWER PLAN ELECTRICAL DETAILS ELECTRICAL SPECIFICATIONS

DEFERRED SUBMITTALS

- SIGN SHOP DRAWINGS - TO BE SUBMITTED BY TENANT SIGN VENDOR UNDER SEPARATE REVIEW
- FIRE SPRINKLER SYSTEM SHOP DRAWINGS (WHERE APPLICABLE) - TO BE SUBMITTED BY TENANT GC UNDER SEPARATE REVIEW. GC VERIFY PRIOR TO BID IF ANY REQ'D SYSTEM UPGRADES ARE APPLICABLE.
- FIRE ALARM SYSTEM SHOP DRAWINGS (WHERE APPLICABLE) - TO BE SUBMITTED BY TENANT GC UNDER SEPARATE REVIEW. GC VERIFY PRIOR TO BID IF ANY REQ'D SYSTEM UPGRADES ARE APPLICABLE.

ENERGY ANALYSIS

RESIDENTIAL - 2 STORY BUILDING
INTERIOR DEMOLITION OF NON-LOAD BEARING PARTITIONS AND REMOVAL OF FIXTURES AND FINISHES ONLY
CHAPTER 5 - CLIMATE ZONE 4

ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIBED VALUE
BUILDING ENVELOPE - SECTION 802	N/A - NO CHANGE	NO WORK ON EXTERIOR BUILDING ENVELOPE
BUILDING MECHANICAL SYSTEMS	N/A - NO CHANGE	N/A - NO CHANGE
THERMOSTATIC CONTROLS	N/A - NO CHANGE	N/A - NO CHANGE
ELECTRICAL POWER & LIGHTING SYSTEMS - SECTION 505	N/A - NO CHANGE	N/A - NO CHANGE

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2014 NEW YORK CITY CONSERVATION CODE

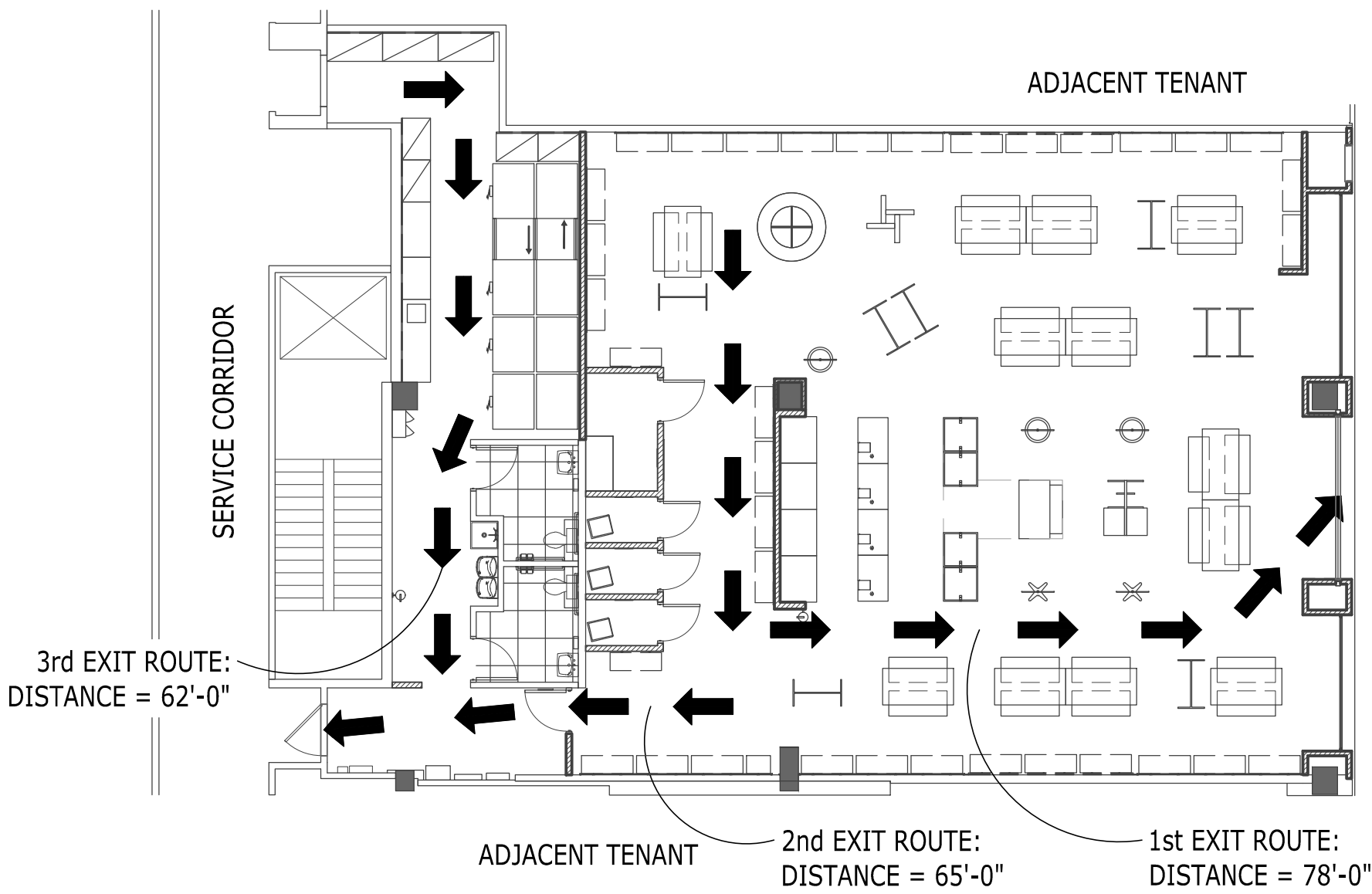
REQUIRED INSPECTIONS

- INTERIOR LIGHTING POWER
- LIGHTING CONTROLS
- HVAC INSULATION AND SEALING
- MECHANICAL SYSTEM
- FINAL INSPECTION

DEFERRED SUBMITTALS

- SIGN SHOP DRAWINGS - TO BE SUBMITTED BY TENANT SIGN VENDOR UNDER SEPARATE REVIEW
- FIRE SPRINKLER SYSTEM SHOP DRAWINGS (WHERE APPLICABLE) - TO BE SUBMITTED BY TENANT GC UNDER SEPARATE REVIEW. GC VERIFY PRIOR TO BID IF ANY REQ'D SYSTEM UPGRADES ARE APPLICABLE.
- FIRE ALARM SYSTEM SHOP DRAWINGS (WHERE APPLICABLE) - TO BE SUBMITTED BY TENANT GC UNDER SEPARATE REVIEW. GC VERIFY PRIOR TO BID IF ANY REQ'D SYSTEM UPGRADES ARE APPLICABLE.

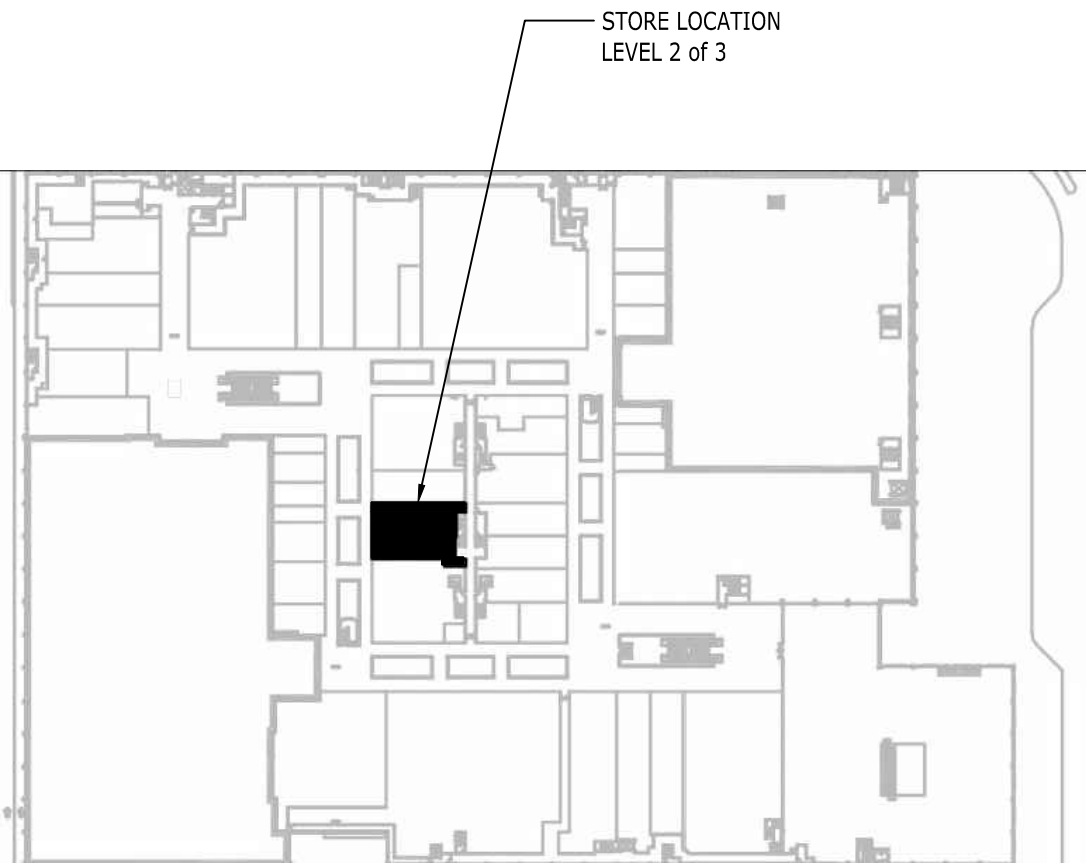
EGRESS PLAN



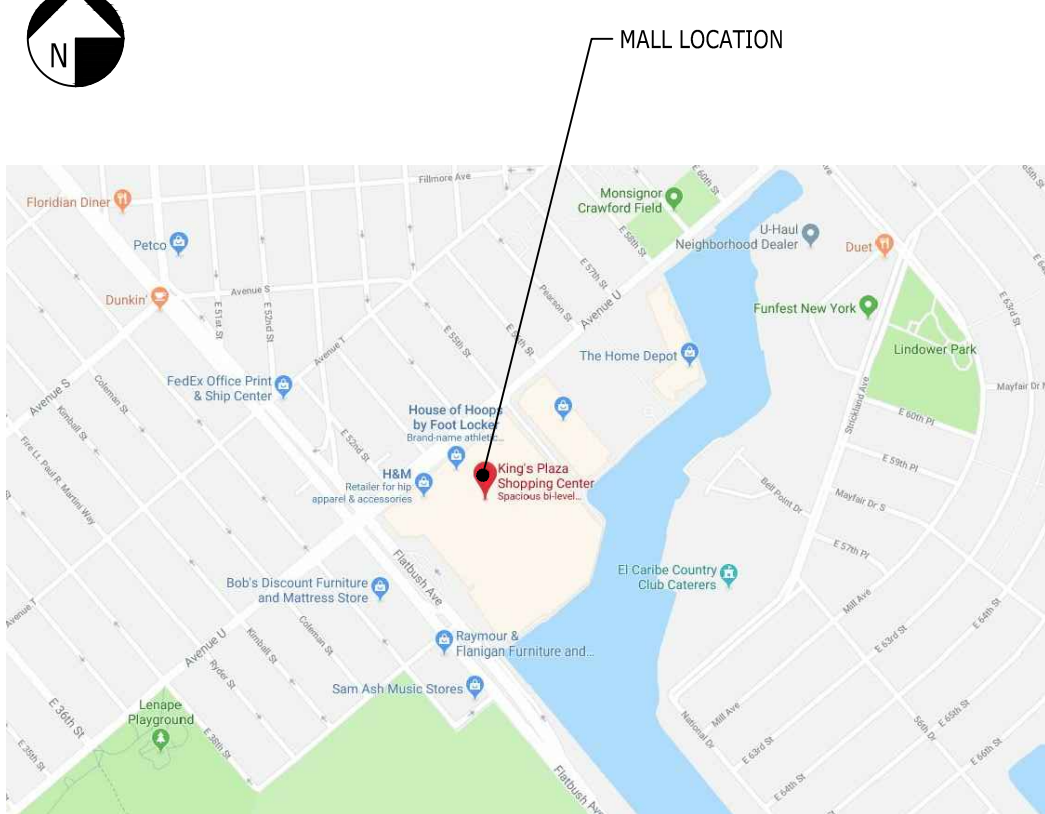
EGRESS:

- TOTAL MEANS OF EGRESS = 2 (ACCESSIBLE)
- MINIMUM PATH OF EGRESS = 44"
- COMMON PATH OF TRAVEL DOES NOT EXCEED 75'-0"
- MAXIMUM DEAD-END CORRIDOR < 20 FT
- MINIMUM EGRESS DOOR WIDTH = 36" [914mm]

KEY PLAN



SITE MAP



AÉROPOSTALE

99

KINGS PLAZA
SPACE 2248
5100 KINGS PLAZA
BROOKLYN, NY
11234

lga PARTNERS
1425 Forbes Ave. Suite 400 Pittsburgh, PA 15219
P 412.243.3430 F 412.224.4747

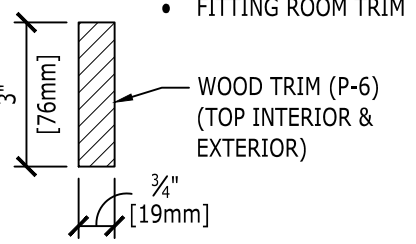
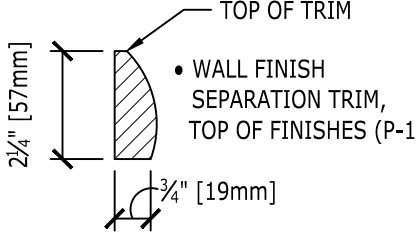
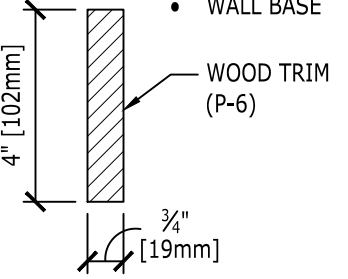
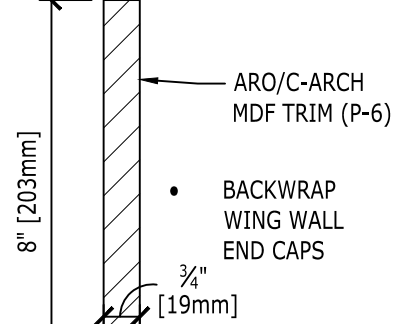
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NO.	DATE	DESCRIPTION
3	08/02/2019	CONSTRUCTION REVISIONS
2	06/17/2019	LANDLORD REVISIONS
1	05/22/19	INTERNAL REVISIONS

DATE:	05/17/2019
DRAWN BY:	HCG
PROJECT NO.:	18468

COVER SHEET

T-100.00

TRIM PROFILES		
1. ALL TRIM FURNISHED BY VENDOR & INSTALLED BY GC. 2. AFTER ALL TRIM HAS BEEN INSTALLED, GC SHALL PLUG HOLES, CAULK GAPS AND TOUCH UP AREAS AS NECESSARY. SEE FINISH SCHEDULE NOTE #4 THIS SHEET.	 <div>FITTING ROOM TRIM</div>	 <div>TOP OF TRIM</div>
TRIM NOTES	TRIM "G" SCALE: 3" [76mm]=1'-0" [305mm]	TRIM "W" SCALE: 3" [76mm]=1'-0" [305mm]
	 <div>WALL BASE</div>	 <div>ARO/C-ARCH MDF TRIM (P-6)</div>
	TRIM "F" SCALE: 3" [76mm]=1'-0" [305mm]	TRIM "Q" SCALE: 3" [76mm]=1'-0" [305mm]

FINISH NOTES

- ALL INTERIOR WALL AND CEILING FINISHES SHALL BE IN ACCORDANCE WITH CURRENT STATE AND LOCAL BUILDING CODES. THE GC SHALL PROVIDE ALL FLAME SPREAD AND SMOKE DENSITY RATINGS FOR FINISH MATERIALS TO THE BUILDING DEPARTMENT AS REQUIRED.
- ALL INTERIOR WALL AND CEILING FINISHES SHALL MEET THE FOLLOWING SPECIFICATIONS:

MAIL SIDE

A. CLASS 'B' FLAME SPREAD INDEX
B. SMOKE DENSITY RATING

WALLS & CEILINGS

26 TO 75 MAX
300 MAX

TENANT SIDE

A. CLASS 'C' FLAME SPREAD INDEX
B. SMOKE DENSITY RATING

WALLS & CEILINGS

76 TO 200 MAX
450 MAX
- ALL WOOD MUST BE CLASS 'A' FIRE RATED NON-COMBUSTIBLE MATERIAL AND ALL WOOD FIXTURES MUST BE CLASS 'A' STAMPED OR FURNISH MANUFACTURER'S CERTIFICATION.
- ALL PAINTED SURFACES TO RECEIVE ONE (1) PRIME COAT AND TWO (2) FINISH COATS. PAINT FINISH TYPES AND LOCATIONS:

FLAT FINISH:

ALL INTERIOR GWB CEILINGS IN SALES AREA. ALL GWB WALLS ABOVE FINISHES (12'-0" AND HIGHER) & ANY UNFINISHED CEILINGS IN SALES AREA. ALL INTERIOR GWB WALLS IN SALES AREA. ALL WOOD TRIM, UNO. ALL INTERIOR WOOD SURFACES AND DOORS.

EGGSHELL FINISH:

ALL INTERIOR GWB WALLS IN TOILET ROOMS AND STOCK AREA.

SEMI-GLOSS FINISH:

ALL INTERIOR GWB WALLS IN TOILET ROOMS AND STOCK AREA.
- ALL DOORS AND FRAMES TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACES (EGGSHELL FINISH).
- GC SHALL PAINT ALL NON-SALES AREA PARTITIONS & GWB CEILINGS P-1 (UNO). IF NO CEILING IS SPECIFIED IN THE NON-SALES AREA, GC TO LEAVE DECK & STRUCTURE ABOVE UNPAINTED. PAINTING OF THE STOCK ROOM WALLS SHALL BE AS FOLLOWS: IF THE OVERALL HEIGHT OF THE STOCK AREA DECK STRUCTURE IS LESS THAN 18'-0" [5486mm] AFF, THE WALLS SHALL BE PAINTED TO UNDERSIDE OF DECK. IF THE OVERALL HEIGHT OF THE STOCK AREA DECK STRUCTURE IS GREATER THAN 18'-0" [5486mm] AFF, THE WALLS SHALL BE PAINTED TO 14'-0" [4267mm] AFF.
- GC TO FURNISH AND INSTALL 4" [102mm] HIGH COVE BASE IN STOCK ROOM. COLOR AS SELECTED IN FINISH SCHEDULE.
- NOT USED.
- ALL MATERIALS INSTALLED SHALL BE A MINIMUM OF CLASS II; EXCEPT ALL MATERIALS INSTALLED ON THE STOREFRONT SHALL BE A MINIMUM OF CLASS I. MATERIALS NOT MEETING THE CLASS MINIMUMS, SHALL BE COVERED WITH A COATING OF NOT LESS THAN 1/28" [1mm] THICK THAT IS FIRE RATED FOR THE REQUIRED CLASSIFICATION.
- AFTER INSTALLATION OF ALL FIXTURES, GC TO TOUCH UP ANY SURFACES THAT MAY BE DAMAGED.
- GC IS RESPONSIBLE FOR TESTING THE CONCRETE SLAB FOR MOISTURE CONTENT USING WAGNER RELATIVE HUMIDITY RAPID RH TESTING KIT. GC TO CONTACT PRODUCT MANUFACTURER PRIOR TO BIDDING FOR TESTING, EXISTING CONDITIONS RECOMMENDATIONS & COMPLETE APPLICATION INSTRUCTIONS. GC MUST PROVIDE ADD ALTERNATE BID ON AEROPOSTALE BID FORM. SEE MOISTURE BARRIER CHART ON THE FLOOR FINISH PLAN FOR TESTING REQUIREMENTS & PRODUCT SPECIFICATIONS.
- AFTER REQUIRED MOISTURE AND RELATIVE HUMIDITY TEST RESULTS ARE RECEIVED, GC IS RESPONSIBLE FOR PROVIDING A LEVEL CONCRETE SLAB PRIOR TO FLOOR INSTALLATION. GC MUST FOLLOW MANUFACTURER RECOMMENDATIONS AND INSTRUCTIONS FOR SUITABLE SUBSTRATES, FLOOR PREPARATION, AND APPLICATION. GC TO PROVIDE BID ON AEROPOSTALE BID FORM FOR THE FOLLOWING:

FOR MINOR SURFACE CONCRETE DEFECTS, PATCHING, SMOOTHING, AND FEATHERING; RECOMMENDED PRODUCTS INCLUDE:

*ARDEX - FEATHER FINISH: SELF-DRYING, CEMENT BASED FINISHING UNDERLAYMENT
*MAPEI - PLANIPREP FF: PREMIUM SKIMCOATING AND PATCHING COMPOUND
*MAPEI - PLANIPATCH: FAST-SETTING, POLYMER-MODIFIED, CEMENT-BASED PATCHING COMPOUND

FOR MAJOR CONCRETE DEFECTS AND SELF-LEVELING REPAIR; RECOMMENDED PRODUCTS INCLUDE:

*ARDEX - K-15: SELF-LEVELING SUB-FLOOR SMOOTHING COMPOUND
*MAPEI - PLANIPATCH PLUS SYSTEM: AN EMBOSSING LEVELER
*MAPEI - ULTRAPLAN 1 PLUS: HIGH-PERFORMANCE, QUICK-SETTING, SELF-LEVELING UNDERLAYMENT
- THE GC SHALL TRIM BRAKE METAL & SCRIBE BASE WHERE REQUIRED ON SITE, VERIFY IN FIELD.
- NOT USED.
- GC TO CONTACT 'BRICK IT' - THIN BRICK INSTALLATION SYSTEMS' TO FURNISH & INSTALL (BR-3) AND THE REQUIRED MORTAR. GC SHALL OBTAIN THE BRICK VENEER INSTALLATION MANUAL FROM THE MANUFACTURER AND ADHERE TO MANUFACTURER'S INSTALLATION GUIDELINES. BRICK VENEER TO BE ADHERED TO CEMENT BOARD BACKER USING A RECOMMENDED MASONRY ADHESIVE: LOCTITE POWERGRAB or LIQUID NAILS MARBLE & GRANITE. BRICK VENEER TO BE SET USING A RUNNING BOND PATTERN WITH UNIFORM 1/2" [13mm] MORTAR JOINTS. MORTAR TO BE: LATICRETE #89 "SMOKE GREY".
- DIAMOND POLISH AND STAIN CONCRETE GRAY. COATS AND APPLY STAIN PROTECTOR. JOINT FILLER - FURNISH AND INSTALL METSQUITRE POLYURETHANE POLYUREA CRACK AND JOINT FILLER TO MATCH DYE COLOR.

FINISH SCHEDULE

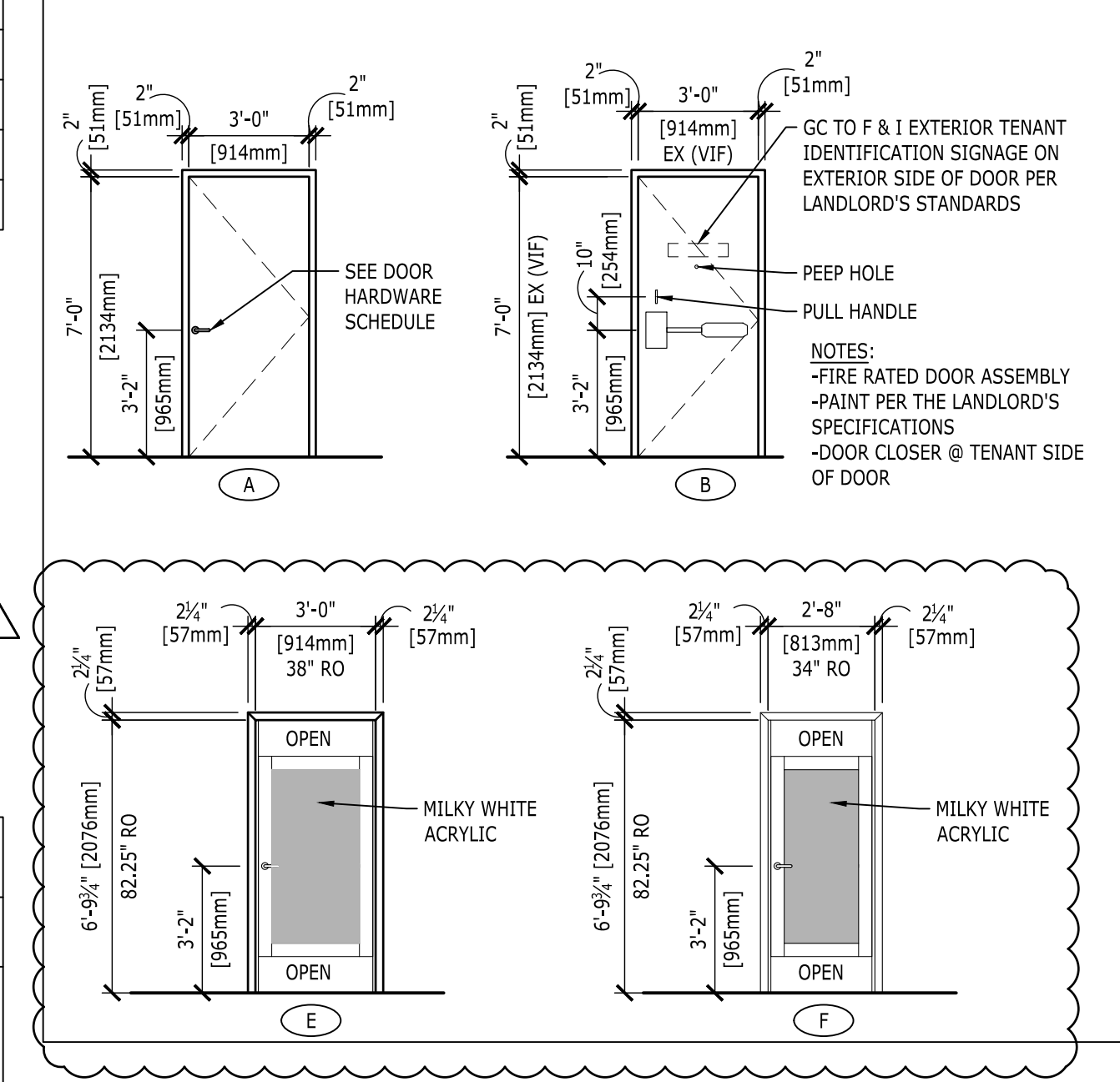
NOTE: SEE SHEET G-101 FOR ALL TRIM PROFILES			
MARK	MANUFACTURER	TYPE/COLOR	NOTES
BR-3	BRICK IT	CULTURED BRICK: WHITESTONE	BRICK VENEER/ VARIABLE HEIGHTS & LENGTHS; SEE FINISH NOTE #15
CONC-1	GC	AMERIPOLISH CONCRETE GRAY	DIAMOND POLISH AND STAIN W/ JOINT FILLER; SEE FINISH NOTE #16
FRP-1	MARLITE	WHITE: P-100	4'-0" [1219mm] HIGH FRP PANELS BY GC
GL-1	GC	1/2" [13mm] CLEAR TEMPERED	GC TO FURNISH & INSTALL GLASS
GL-2	MIRROR	---	1/4" [6mm] MIRRORRED GLASS W/ MACHINE POLISHED EDGES
HRS-1	GC	GLAZING/FRAMING CHANNELS & BASE	MATTE BLACK BRAKE METAL - SEE FINISH NOTE #13
P-1	BENJAMIN MOORE	SUPER WHITE	FIELD PAINT, SEE FINISH NOTES FOR PAINT FINISH TYPES
P-2	BENJAMIN MOORE	BLACK	DECK & WALLS ABOVE OPEN CEILINGS; SEE FINISH NOTES FOR PAINT FINISH TYPES
P-3	BENJAMIN MOORE	#308 BLACK	CHALK BOARD PAINT @ 'I-CHAT' WALL
P-6	SHERWIN WILLIAMS	SW-6994 GREENBLACK	BRAKE METAL COLORED PAINT
P-7	BENJAMIN MOORE	#1600 TIMBER WOLF	FITTING ROOM WALLS (INTERIOR)
RB-1	ROPPE	175 - SLATE	4" [102mm] HIGH COVE BASE; SEE FINISH NOTE #7
RB-EX	EXISTING	EXISTING	EXISTING
SV-EX	EXISTING	EXISTING	EXISTING
VCT-1	ARMSTRONG	#51915 CHARCOAL	12" [305mm] x 12" [305mm] TILES; STOCK ROOM
WC-RB	VENDOR	RED BRICK	SIMULATED RED BRICK WALLCOVERING
WC-WB-B	VENDOR	WHITE BRICK	SIMULATED WHITE BRICK WALLCOVERING, INSTALLED VERTICALLY**
WD-2	VENDOR	'C' TYPE SLAT WALL	WOOD WALL PANELS & DIVIDERS

DOOR SCHEDULE

DOOR	TYPE	SIZE	MATERIAL		FIRE RATING	NOTES
			DOOR	FRAME		
1	--	12'-0" [3658mm] W x 10'-0" [3048mm] H	ALUM.	--	--	OVERHEAD ROLLING GRILLE**
2	A	3'-0" [914mm] x 7'-0" [2134mm]	H.M.	H.M.	--	PAINT DOOR & FRAME (P-6)
3	B	3'-0" [914mm] x 7'-0" [2134mm] EX	H.M.	H.M.	--	*PAINT DOOR & FRAME (P-1) INTERIOR
4.1	A	3'-0" [914mm] x 7'-0" [2134mm] EX	H.M.	H.M.	--	*PAINT DOOR & FRAME (P-1)
4.2	A	3'-0" [914mm] x 7'-0" [2134mm] EX	H.M.	H.M.	--	*PAINT DOOR & FRAME (P-1)
5	E	3'-0" [914mm] x 6'-8" [2032mm]	WD	WD	--	FURNISHED BY AEROPOSTALE FIXTURE VENDOR; INSTALLED BY GC
6	F	3'-8" [813mm] x 6'-8" [2032mm]	WD	WD	--	FURNISHED BY AEROPOSTALE FIXTURE VENDOR; INSTALLED BY GC
7	F	3'-8" [813mm] x 6'-8" [2032mm]	WD	WD	--	FURNISHED BY AEROPOSTALE FIXTURE VENDOR; INSTALLED BY GC
8	F	3'-8" [813mm] x 6'-8" [2032mm]	WD	WD	--	FURNISHED BY AEROPOSTALE FIXTURE VENDOR; INSTALLED BY GC

* INSPECT, REPAIR, AND/OR REPLACE AS REQUIRED FOR PROPER WORKING ORDER.
** FURNISHED & INSTALLED BY GRILLE INSTALLER. OPEN TYPE. MANUAL OPERATION, ALUMINUM FINISH WITH BLACK ANODIZED GRILLE GUIDES. GC TO FURNISH & INSTALL ACCESS PANELS AS REQUIRED BY MANUFACTURER.

DOOR/FRAME TYPES



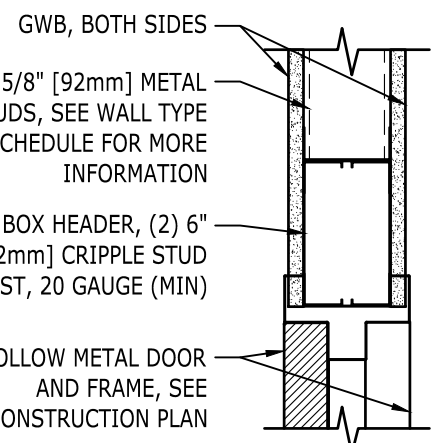
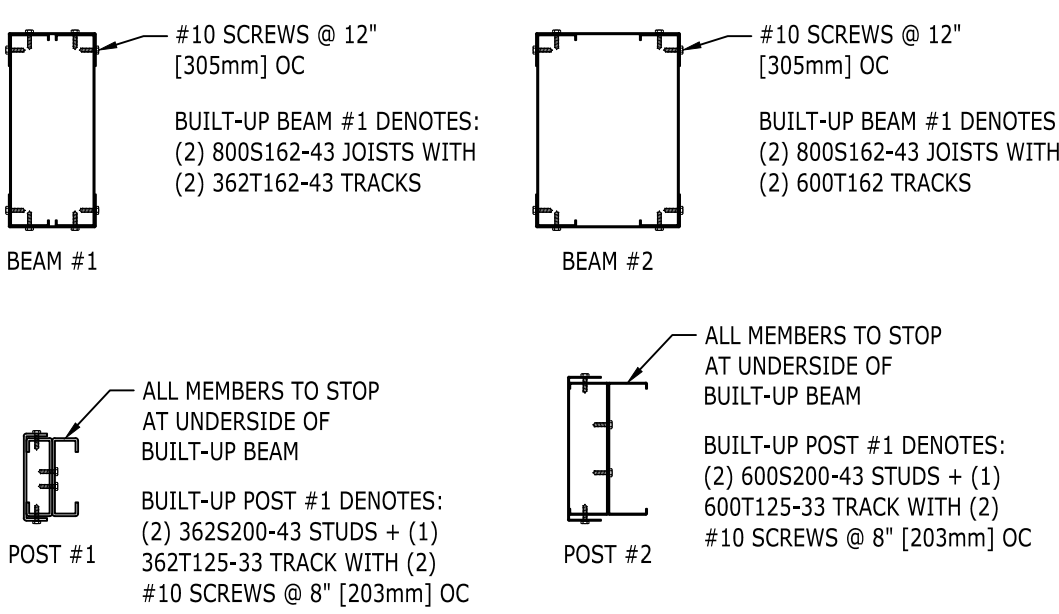
DOOR HARDWARE SCHEDULE

* GC TO FURNISH & INSTALL ALL DOOR HARDWARE, UNLESS NOTED OTHERWISE. * ALL HARDWARE IS "SCHLAGE" UNLESS NOTED OTHERWISE
DOOR # 1: + (1)EA. 'BEST' MORTISE CYLINDER IE74 - 1-1/2" [38mm] US32D + (1)EA. 'BEST' MORTISE THUMB CYLINDER US32D
NOTE: GC TO ENSURE THUMB CYLINDER IS ACCEPTABLE BY LOCAL BUILDING INSPECTOR.
DOOR # 2: + (3)EA. BUTT HINGES BB1279 x 4-1/2" [114mm] x 4-1/2" [114mm] US32D + (1)EA. PUSH PLATE 54" [1372mm] x (4" [102mm] x 20" [508mm]) US32D + (1)EA. PULL PLATE 5325A US32D + (1)EA. DOOR CLOSER 1460-H AL WITH HOLD OPEN ARM + (1)EA. KICKPLATE 10" [254mm] x 34" [864mm] US32D + (1)EA. DOOR STOP 520 US26D
DOOR # 3: NOTE: DOOR IS EXISTING TO REMAIN, REMOVE ALL HARDWARE ON CORRIDOR SIDE OF DOOR AND COVER WITH PLATES OR PLUGS. ALWAYS PROVIDE NEW PANIC HARDWARE: + (1) EA. 'DETEX' ECL-600 EXIT CONTROL LOCK + (1) EA. NEW 'BEST' 7 PIN CORES FOR 'DETEX' VERIFY EXISTING OR PROVIDE NEW: + (1) EA. DOOR CLOSER 1460-H AL + (1) EA. PEEP HOLE DS1000 MG; METALLIC SILVER FINISH + (1) EA. DOOR BELL 340A-4G5 + (1) EA. DOOR PULL 100 US26D - INSIDE OF DOOR + (1) EA. KICKPLATE 10" [254mm] x 2" [51mm] LESS WIDTH OF DOOR US32D + (3) EA. BUTT HINGES BB191 x 4-1/2" [114mm] x 4-1/2" [114mm] US26D NRP + (1) EA. PULL HANDLE - INSIDE OF DOOR + (1) EA. 10" SECURITY LATCH GUARD PLATE, DON-JO BLP-210 *GC TO FURNISH & INSTALL EXTERIOR TENANT IDENTIFICATION SIGNAGE PER LANDLORD'S STANDARDS.
DOOR # 4.1 & 4.2: + (3)EA. BUTT HINGES BB1279 x 4-1/2" [114mm] x 4-1/2" [114mm] US32D + (1)EA. PRIVACY AL40S-SAT 2 3/4" [70mm] ASA 626 + (1)EA. DOOR CLOSER 1460-H AL
DOOR # 5, 6, 7, 8: * THIS HARDWARE IS FURNISHED BY VENDOR.

VENDOR CONTACT LIST

GC TO CONTACT AEROPOSTALE PRIOR TO START OF CONSTRUCTION TO CONFIRM ALL VENDOR SUPPLIED ITEMS & INSTALLATION & SCHEDULE.		
SENSORMATIC SECURITY SYSTEM MIKE GIOSA SENSORMATIC / ADT PHONE: 215-946-8118	BRICK (BR-3): JAMES KULP BRICK-IT PHONE: 631-591-9221 EMAIL: jkulp@brickit.com	BARRICADE GRAPHICS: CARLA DIBENEDETTO BOSTON BARRICADE COMPANY PHONE: 772-257-7156
CONCRETE FLOOR POLISHING BRADY CRIBBS NATIONAL CONCRETE POLISHING PHONE: 440-665-7080	TELEPHONE: MARY ANN GUGLIELMO SPENCER TECHNOLOGIES PHONE: 508-595-9496 EXT: 2042	SOUND SYSTEM TONY BOITANO PLAY NETWORK PHONE: 425-629-2776 tboitano@playnetwork.com
	WALLPAPER: CARLA DIBENEDETTO BOSTON BARRICADE COMPANY PHONE: 772-257-7156	

BUILT-UP POSTS/ BEAMS



1 DOOR HEADER DETAIL
SCALE: 1-1/2" [38mm] = 1'-0" [305mm]

INFORMATION SHEET

DATE:	5/17/2019
DRAWN BY:	HCG
PROJECT NO.:	18468

C3 CENTRE
SPACE #B312
SIR SOLOMON
HOCHOY HIGHWAY
NORTH OF CORINTH
INTERCHANGE
CORINTH, SAN
FERNANDO, TRINIDAD

M.E.P. RESPONSIBILITY SCHEDULE									
	EXISTING	NOT APPLICABLE	FURNISH	LANDLORD	FURNISH	INSTALL	FURNISH	GENERAL	REMARKS
MECHANICAL - REFER TO MECHANICAL SHEETS FOR ADDITIONAL INFORMATION									
2 HVAC UNITS	•								
ROOF WORK	•								
HVAC UNIT CURB	•								
HVAC DISTRIBUTION - DUCTWORK, DIFFUSERS, ETC.	•								
AIR BALANCING	•								
EXHAUST FAN/ LIGHT COMBO	•								
EXHAUST DUCTWORK	•								
RETURN AIR GRILLES	•								
HVAC WARRANTY CALLS	•				•				SEE NOTE #3 BELOW
HVAC FILTER CHANGE	•								AFTER CONSTRUCTION COMPLETION
DUCT SMOKE DETECTION	•								
SMOKE EVACUATION SYSTEM	•								
TRANSFER GRILLE FIRE DAMPERS	•								
FIRE SPRINKLER SHUT-OFF	•								
SPRINKLER SYSTEM MODIFICATION	•								SEE NOTE #1 & 4 BELOW
CUSTOM COLORED SPRINKLER ESCUTCHEONS	•								
PLUMBING FIXTURES (H.C. ACCESSIBLE)	•								SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION
WATER & SEWER STUB-INS	•								
WATER & SEWER PIPING	•								
ELECTRICAL - REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION									
1 METER SOCKET	•								
ELECTRICAL SERVICE	•								
TRANSFORMER	•								
2 ELECTRICAL PANELS	•								LL TO SUPPLY DISCONNECT PANEL ONLY. GC TO ADD BREAKERS. SEE ELECTRICAL DRAWINGS
WIRING, CIRCUITING, RECEPTACLES, SWITCHES, ETC.	•								
CAT-5 CABLES & CONDUITS	•								
LOW VOLTAGE WIRING (PLENUM RATED)	•								TERMINATION BY VENDOR, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
CONNECTION & WIRING OF CASHWRAP/ BACKWRAP	•								
P.O.S. SYSTEM	•								CONTACT AEROPOSTALE CONSTRUCTION MANAGER
TELEPHONE SYSTEM	•								CONTACT AEROPOSTALE CONSTRUCTION MANAGER
LIGHTING CONTROL SYSTEM	•								INCLUDE PROPER PROGRAMMING, SEE ELECTRICAL SHEETS
LOAD LIMITER SYSTEM	•								
OCCUPANCY SENSORS	•								
EXIT SIGNS	•								
EMERGENCY LIGHTING	•								
LIGHT FIXTURES & TRACK	•								
LAMPS	•								
LIGHT AT MANAGERS DESK	•								CONTACT AEROPOSTALE CONSTRUCTION MANAGER FOR SPEC
MAIN SIGN WHIP	•								COORDINATE W/ VENDOR
CLOSED CIRCUIT TV CAMERA SYSTEM	•								
SENSORMATIC SECURITY SYSTEM (*SEE NOTE #2 BELOW)	•								CONTACT AEROPOSTALE CONST. MANAGER / WIRING & CONDUIT BY GC
2 SOUND SYSTEM	•								CONTACT AEROPOSTALE CONST. MANAGER / WIRING & CONDUIT BY GC
FIRE ALARM	•								SEE NOTE #1 & 4 BELOW
PANEL ALARM DEVICE @ REAR DOOR	•								
DOOR BELL AND CONTACT	•								
GENERAL RESPONSIBILITY NOTE(S):									
1. GC TO CONTACT THE MALL OPERATIONS MANAGER TO VERIFY ANY/ALL REQUIRED CONTRACTORS FOR THIS MALL. THE GC IS TO PROVIDE ALTERNATE BID(S) FOR ALL LANDLORD REQUIRED CONTRACTORS.									
2. GC WILL BE RESPONSIBLE TO CONTACT SENSORMATIC DURING THE FIRST WEEK OF CONSTRUCTION TO SCHEDULE A SITE VISIT BY A SENSORMATIC TECHNICIAN. THE TECHNICIAN WILL AT THAT TIME, PERFORM A TEST TO DETERMINE THE CAPABILITY OF THE SECURITY SYSTEM WITH THE EXISTING CONDITIONS.									
3. GC SHALL BE RESPONSIBLE TO DISPATCH TECHNICIANS WITH SAME DAY RESPONSE TO ALL HVAC OUTAGES DURING THE ONE YEAR WARRANTY PERIOD.									
4. GC SHALL FURNISH FIRE ALARM AND/OR SPRINKLER SHOP DRAWINGS AND PERMITS IF REQUIRED WORK APPLIES.									

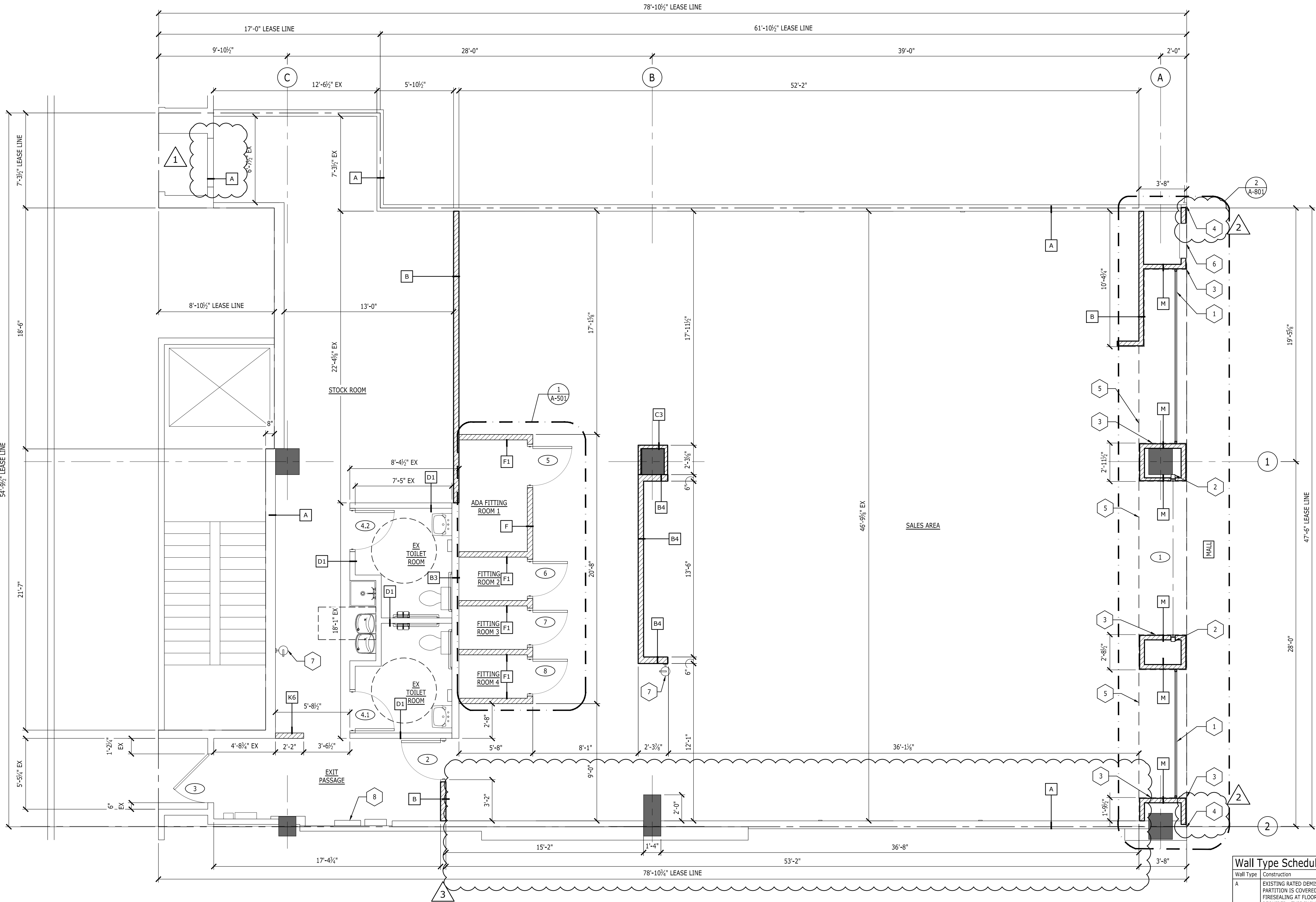
RESPONSIBILITY SCHEDULE									
	EXISTING	NOT APPLICABLE	FURNISH	LANDLORD	AEROPOSTALE	VENDOR	GENERAL	INSTALL	REMARKS
GENERAL									
BUILDING PERMIT/ FEES									TENANT TO REIMBURSE ACTUAL COSTS OF PERMIT
OTHER PERMITS, FEES, INSURANCE									IF REQUIRED
TRASH REMOVAL & DUMPSTER									INCLUDING NEW DUMPSTER FOR OPS TRUCK, SEE NOTE #1 BELOW
CONCRETE SLAB - STRUCTURAL									
TEMPORARY BARRICADES									BARRICADE BY LL AT COST TO GC, NOT EXCEED \$3000.
BARRICADE GRAPHICS									POSITION BARRICADES -GC TO COORDINATE
CLEAN-UP & FINAL CLEANING									
STOREFRONT									
DEMOLITION									
NEUTRAL PIERS & LANDLORD BULKHEAD									
METAL REVEALS									NEW 3/4" [19mm] BLACK NEUTRAL CHANNEL
STRUCTURAL STEEL, LIGHT GAGE FRAMING & CONNECTIONS									
ROLLING GRILLE, SUPPORT & HARDWARE									GC TO COORDINATE W/ VENDOR
TUBE STEEL COLUMNS AND CONNECTIONS FOR ROLLING GRILLE									
TUBE STEEL COLUMNS									
GLAZING CHANNELS (HRS-1)									
GLASS									
BRAKE METAL EXTRUSIONS (HRS-1)									
FIRE RATED WOOD BLOCKING									
SHEATHING									
SIGN ASSEMBLY									
BLADE SIGN & HARDWARE									
BRICK VENEER & MORTAR (BR-3)									GC TO CONTACT REQUIRED VENDOR FOR PRODUCTS
WINDOW GRIDS & FROSTING									
GENERAL CONSTRUCTION									
DEMOLITION									
TRENCHING or CORE DRILLING OF EXISTING SLAB									GC TO X-RAY SLAB PRIOR TO ANY CUTTING
DEMISING PARTITION STUDS									
DEMISING PARTITION GWB									
FIRE SPRAY									
FIRE STOPPING									
CARPENTRY, ROUGH & FINISH									
BLOCKING & METAL STRAPPING									
SOUND INSULATION									
INTERIOR PARTITION GWB, METAL STUDS, FURRING, ETC.									
ACOUSTIC CEILING & APPLICABLE FRAMING/ SUSPENSION									EXISTING AT TOILET ROOM
GYPSON BOARD CEILING & APPLICABLE FRAMING/ SUSPENSION									
ACCESS PANELS									
UNISTRUT/ KINDORF, THREADED ROD & CONNECTIONS									
DOORS & FRAMES									
DOOR HARDWARE									
FITTING ROOM DOORS AND HARDWARE									
PAINTING									
MOISTURE TEST - FLOOR									WITHIN 3 DAYS OF THE COMPLETION OF DEMOLITION
FLOOR PREPARATION; INCLUDING FLOATING IF NECESSARY									
FLOOR PROTECTION; INCLUDING CLEANING/ SEALING/ WAXING									
CONCRETE FLOOR STAIN AND POLISH									
MALL TILE FLOORING & GROUT									REPAIRS BY TENANT
TENANT TILE FLOORING									
TENANT GROUT									
TENANT VINYL FLOORING & REQUIRED ADHESIVE									
VCT FLOORING, REQUIRED ADHESIVE & SEALANT									RESTROOMS ONLY
SHEET VINYL FLOORING, REQUIRED ADHESIVE & SEALANT									RESTROOMS ONLY
REDUCER STRIP ADHESIVES, ETC.									RESTROOMS ONLY
FLOOR TRANSITION STRIPS									
SCHLUTER FLOOR TRANSITION STRIP									
RUBBER COVE BASE									
WALLPAPER GRAPHICS									
FRP PANELS									
BRICK VENEER & MORTAR (BR-3)									GC TO CONTACT REQUIRED VENDOR FOR PRODUCTS
TRIM/ CROWN MOLDING									
FIXTURES: ALL ITEMS TO BE DELIVERED WITH FIXTURE PACKAGE, UNLESS NOTED OTHERWISE									
PERIMETER WALL UNITS: WALL PANELS, DIVIDER PANELS, SHELVING, & HARDWARE									
(WB-2) WOOD SLAT WALL									
CASHWRAP & BACKWRAP									
FREE STANDING FIXTURES									
ALL NON-SALES SHELVING									
MANAGERS DESK & SHELVING									
SAFE									OPS TRUCK
LOCKERS									OPS TRUCK
AV RACK									OPS TRUCK
EMPLOYEE COUNTER									
MISCELLANEOUS ACCESSORIES:									
BACKWRAP FLIP FRAMES									
FITTING ROOM HARDWARE / HOOKS									
FITTING ROOM BENCHES/ CHAIRS									
FITTING ROOM MIRRORS & MASTICS/ FRAMES									
WINDOW DISPLAY GRIDS									OPS TRUCK
THROW RUG									
VISUAL FIXTURE/ MANNEQUINS, ETC.									VISUAL DEPARTMENT
TOILET ROOM ACCESSORIES (HARDWARE)									
FIRE EXTINGUISHERS									
ADA SIGNAGE @ ACCESSIBLE FITTING ROOM									SIGN TO BE BLACK WITH CONTRAST & BRAILLE LETTERS
ADA SIGNAGE @ TOILET ROOM(S)									

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2	06/17/2019	LANDLORD REVISIONS
1	05/22/19	INTERNAL REVISIONS
NO.	DATE	DESCRIPTION

DATE:	06/01/2019
DRAWN BY:	PWG
PROJECT NO.:	19156

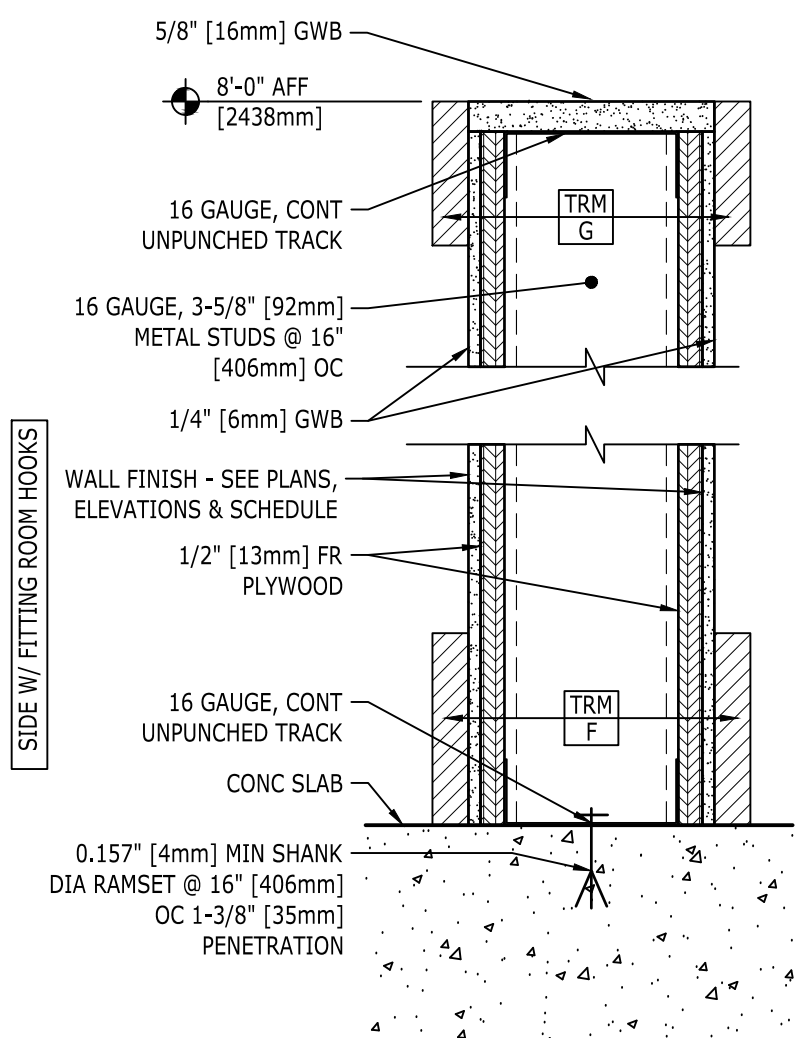
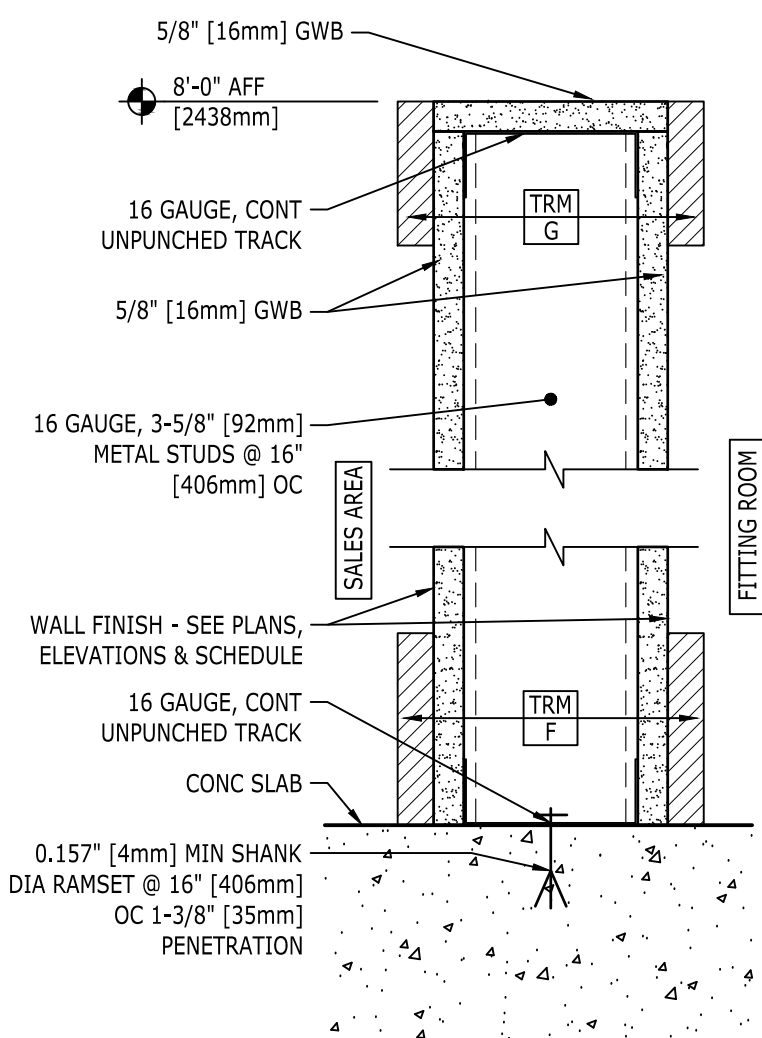
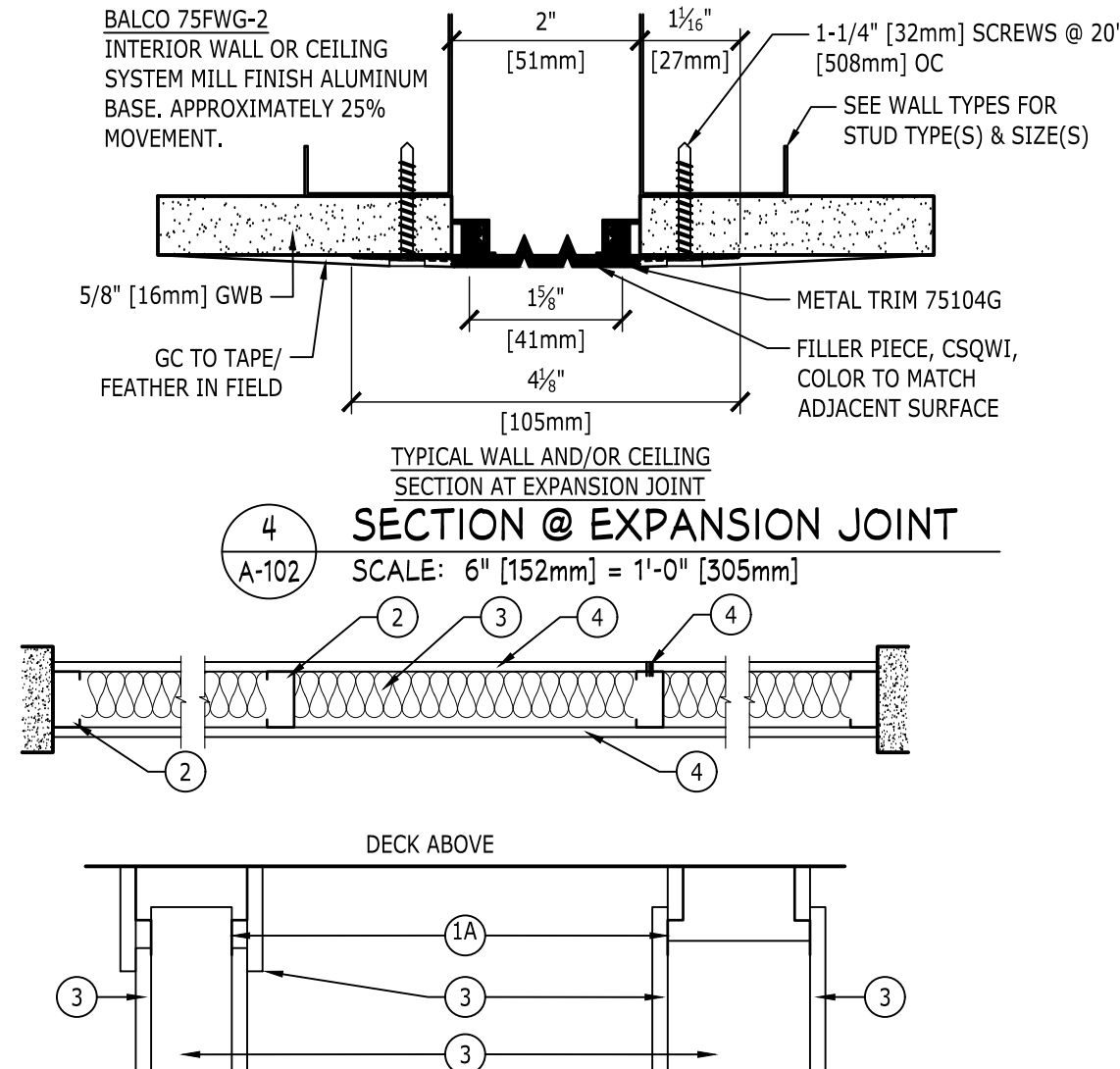
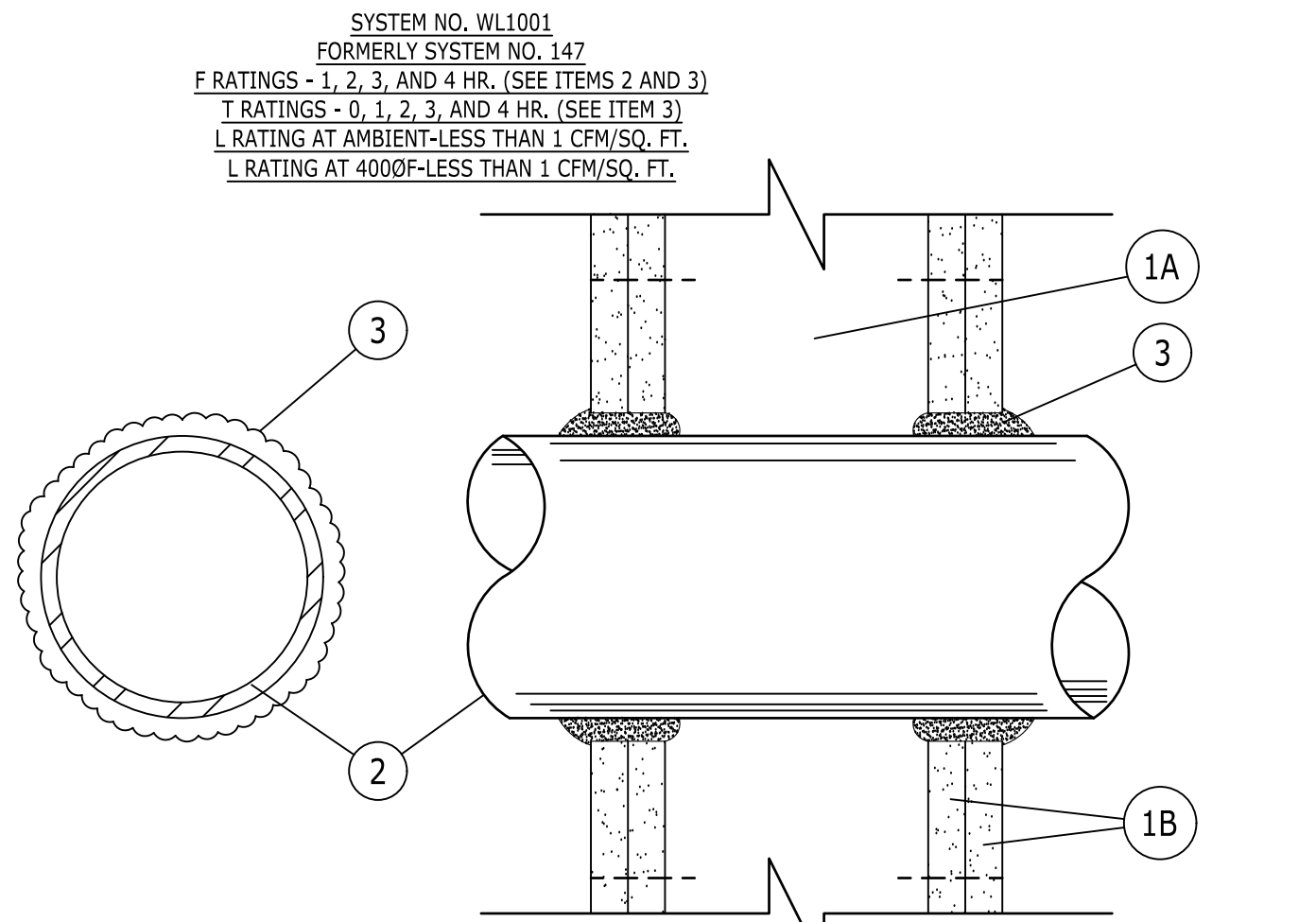
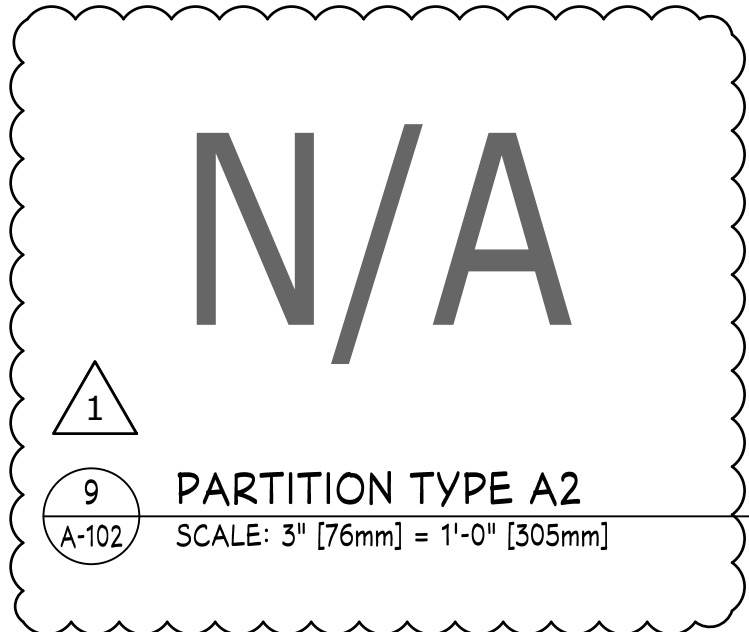
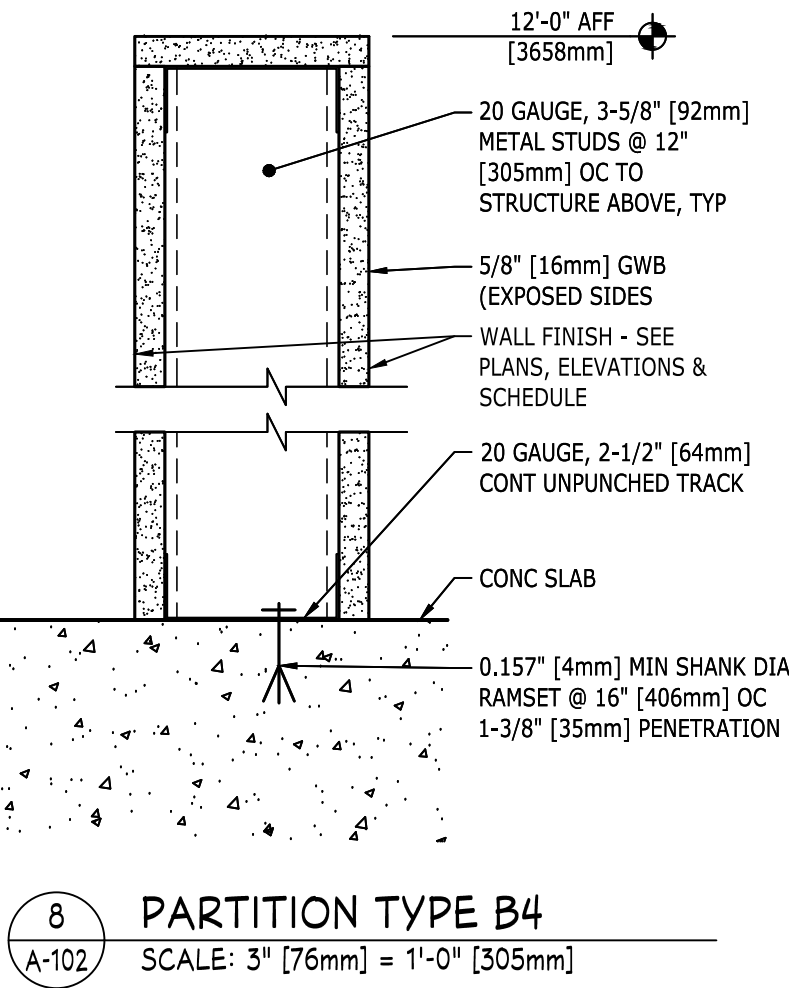
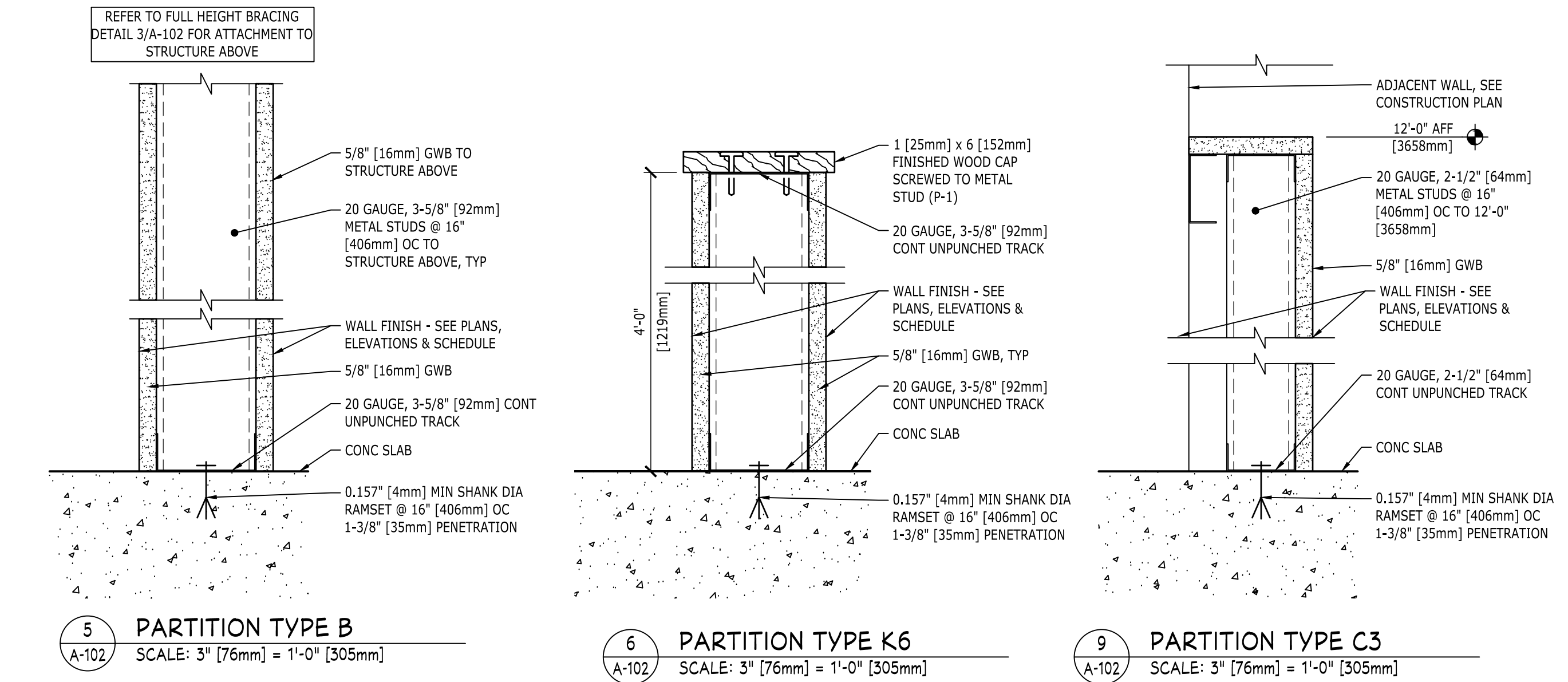
INFORMATION SHEET



CONSTRUCTION
PLAN

A-101.00

KINGS PLAZA
SPACE 2248
5100 KINGS PLAZA
BROOKLYN, NY
11234



1. WALL ASSEMBLY- THE 1, 2, 3, OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS-WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 IN. [51mm] BY 4 IN. [102mm] LUMBER SPACED 16 IN. [406mm] OC WITH NOM 2 IN. [51mm] BY 4 IN. [102mm] LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. [92mm] WIDE BY 1-3/8 IN. [35mm] DEEP CHANNELS SPACED MAX 24 IN. [610mm] OC.
- B. WALLBOARD, GYPSUM*-NOM 1/2 IN. [13mm] OR 5/8 IN. [16mm] THICK, 4 FT. [1219mm] WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIA OF OPENING IS 1-1/2 IN. [38mm].
2. PIPE OR CONDUIT-NOM 12 IN. [305mm] DIA (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 12 IN. [305mm] DIA (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. [305mm] DIA (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, NOM 6 IN. [152mm] DIA (OR SMALLER) STEEL CONDUIT, NOM 4 IN. [102mm] DIA (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6 IN. [152mm] DIA (OR SMALLER) TYPE L OR (OR HEAVIER) COPPER TUBING OR NOM 1 IN [25mm] DIA (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2HR. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. [102mm] DIA MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
3. FILL, VOID OR CAVITY MATERIAL*-CAULK-CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. [6mm] DIA BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CONDUIT DIA IN.	ANNULAR SPACE, IN.	F RATING, IN.	T RATING, HR.
1	0 to 3/16 [5mm]	1 or 2	0+, 1 or 2
1	1/4 [6mm] to 1/2 [13mm]	2 or 4	3 or 4
4	0 to 1/4 [6mm]	1 or 2	0
4	0 to 1-1/2 [38mm]	1 or 2	0
6	1/4 [6mm] to 1/2 [13mm]	3 or 4	0
12	3/16 [5mm] to 3/8 [10mm]	1 or 2	0

+ WHEN COPPER PIPE IS USED, T RATING IS 0HR.

0 TO 1-1/2 IN. [38mm] ANNULAR SPACE APPLIES ONLY WHEN TYPE CP-25 WB+ CAULK IS USED AND ONLY WHEN THE MIN THICKNESS OF THE GYPSUM WALLBOARD IS 5/8 [16mm] IN. FOR 1HR RATED WALLS AND 1-1/4 IN. [32mm] FOR 2HR RATED WALLS.

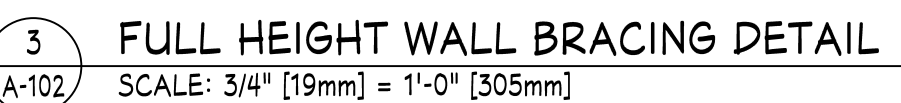
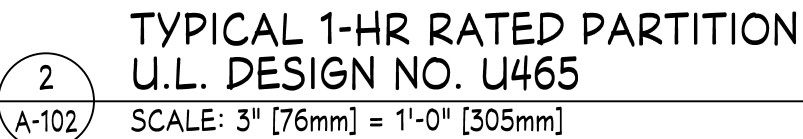
MINNESOTA MINING & MFG. CO. - CP 25WB+
*BEARING THE UL CLASSIFICATION MARKING.

1. FLOOR AND CEILING RUNNERS -(NOT SHOWN)-CHANNEL SHAPED RUNNERS, 3-5/8 IN. [92mm] WIDE (MIN), 1-1/4 IN. [32mm] LEGS, FORMED FROM NO. 25 MSG (MIN) GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. [610mm] OC MAX.
- 1A. AS AN ALTERNATE TO ITEM 1 CEILING RUNNER*-25 MSG MIN GALV STEEL WIDTH TO ACCOMMODATE STUD, WITH 3 OR 4 IN. LEGS OFFSET AT MIDPOINT 5/8 IN. [16mm] TO ACCOMMODATE WALL CLADDING THICKNESS. ATTACHED TO CEILING WITH FASTENERS SPACES 24 IN. [610mm] OC. THE WALL CLADDING SHALL OVERLAP WALLBOARD 1-1/4 IN. [32mm] MIN. FIRE TRACK CORP.
2. METAL STUDS-CHANNEL SHAPED, 3-5/8 IN. [92mm] WIDE (MIN), 1-1/4 IN. [32mm] LEGS, 3/8 IN. [10mm] FOLDED BACK RETURNS, FORMED FROM NO. 25 MSG (MIN) GALV STEEL SPACED 16 IN. [406mm] OC MAX.
3. BATTS AND BLANKETS*-(OPTIONAL)-MINERAL WOOD OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY. SEE BATTS AND BLANKETS (B212) CATEGORY FOR THE NAMES OF CLASSIFIED COMPANIES.
4. WALLBOARD, GYPSUM* 5/8 IN. [16mm] THICK, 4 FT. [1219mm] WIDE, ATTACHED TO METAL STUDS AND FLOOR AND CEILING TRACK WITH 1 IN. [25mm] LONG, TYPE 2 SELF-TAPPING STEEL SCREWS SPACED 8 IN. [203mm] O.C. ALONG EDGES OF BOARD AND 12 IN. [305mm] O.C. IN THE FIELD OF THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY. WHEN ATTACHED TO ITEM 6 (FURRING CHANNELS), WALLBOARD IS SCREW ATTACHED TO FURRING CHANNELS WITH 1 IN. [25mm] LONG, TYPE 5 STEEL SCREWS SPACED 12 IN. [305mm] O.C.

BOREAL GYPSUM INC. - TYPE BG-C.
CANADIAN GYPSUM CO., LTD. - TYPES C, SCX, SHX, WRX.
CONTINENTAL GYPSUM COMPANY - TYPE CG-C.
DOMTAR GYPSUM INC. - TYPE 5 OR C.
EAGLE-GYPSUM PRODUCTS - TYPE EG-C.
GEORGIA-PACIFIC CORP., GYPSUM DIV. - TYPE GPFS-6 OR GPFS-C.
NATIONAL GYPSUM CO., CHARLOTTE, NC - TYPE SK-G, FSW-G.
NATIONAL GYPSUM CO., RIYADH, SAUDI ARABIA - TYPE FR OR VR.
PABCO GYPSUM CO. - TYPE PG-C.
REPUBLIC GYPSUM CO., - TYPE RG-C.
STANDARD GYPSUM CORP., - TYPE SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP. - TYPE TP-S.
UNITED STATES GYPSUM CO. - TYPE AR, C, JP-X2, SCX, SHX, WRC, OR WRX.
WESTROC INDUSTRIES LTD. - TYPE WESTROC FIREBOARD.

- 4A. WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEM 4)-NOM 3/4 IN. [19mm] THICK, 4 FT. [1219mm] WIDE, INSTALLED AS DESCRIBED IN ITEM 4 WITH SCREW LENGTH INCREASED TO 1-1/4 IN. [32mm]
- 4B. WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEMS 4 AND 4A) 5/8 IN. [16mm] THICK INSTALLED AS DESCRIBED IN ITEM 4. JOINT COVERING (ITEM 5) NOT REQUIRED.
5. JOINT TAPE AND COMPOUND-VINYL DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, 2 IN. [51mm] WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOMINAL 3/32 IN. [2mm] THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD. JOINTS REINFORCED.
6. FURRING CHANNEL*-(OPTIONAL-NOT SHOWN)-RESILIENT 25 MSG GALV STEEL FURRING CHANNELS SPACED VERTICALLY MAX 24 IN. [610mm] O.C., FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. [13mm] LONG TYPE S-12 PAN-HEAD STEEL SCREWS.

*BEARING THE UL CLASSIFICATION MARKING.

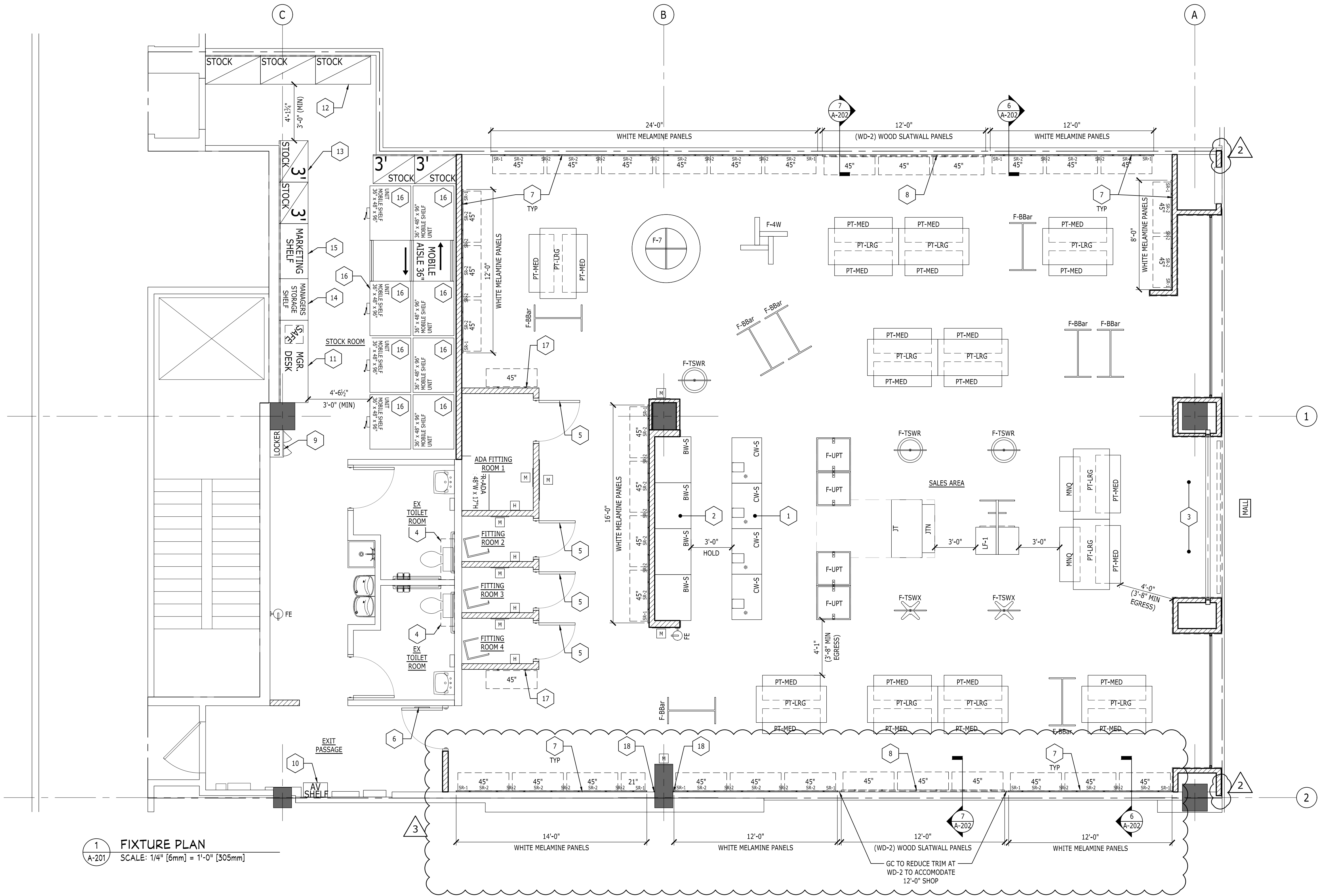


NOTE: ANY PARTITION THAT EXCEEDS 17'-6" IN HEIGHT WITH 3 5/8" x 20 GA. METAL STUDS SHALL REQUIRE BRACING. SEE 3/A-102.

NO.	DATE	DESCRIPTION
1	05/22/19	INTERNAL REVISIONS

DATE:	5/17/2019
DRAWN BY:	HCG
PROJECT NO.:	18468

WALL TYPE DETAILS



1
A-201
FIXTURE PLAN
SCALE: 1/4" [6mm] = 1'-0" [305mm]

KEY NOTES:

- 4 SECTION CASHWRAP. SEE ELEVATIONS.
- 4 SECTION BACKWRAP. SEE ELEVATIONS.
- SECURITY SYSTEM. COORDINATE WITH VENDOR.
- TOILET ROOM SHELVEING. (2) SURFACE MOUNTED STANDARDS WITH (2) 12" [305mm] DEEP x 36" [914mm] WIDE WHITE MELAMINE SHELVES.
- FITTING ROOM DOOR AND FRAME ASSEMBLY. SEE FITTING ROOM SHEETS FOR DETAILS.
- 13" [330mm] WIDE x 49" [1245mm] TALL MIRROR ON BACK OF STOCK DOOR.
- PERIMETER WALL PANELS, HARDWARE & SHELVES. 6" [152mm] METAL STRAPPING ON WALLS. SEE INTERIOR ELEVATIONS & 6/A-202.
- (WD-2) WOOD SLATWALL. SEE INTERIOR ELEVATIONS & 7/A-202.
- STAFF LOCKERS. SECURE THE LOCKERS TO THE WALL & FLOOR.
- AUDIO/VIDEO WALL SHELF. SEE ELECTRICAL PLANS.
- MANAGER'S DESK & SAFE BELOW DESK. SLEEVE BOLT SAFE TO FLOOR AS SHOWN IN FIXTURE HANDBOOK. SEE 1/A-202.
- 4'-0" [1219mm] STOCK SHELVES (STANDARD). 4'-0 5/8" [1235mm] WIDE x 2'-0 5/8" [625mm] DEEP x 11'-0" [3658mm] HIGH STOCK ROOM SHELVEING. ANCHOR TO FLOOR AND ADJACENT SHELVES PER FIXTURE HANDBOOK. FOR SHELVEING ADJACENT TO A WALL, ANCHOR TO WALLS USING VENDOR SUPPLIED COMPONENTS. ALL VERTICAL UPRIGHTS FOR THE SHELVEING UNITS MUST BE SECURED TO THE WALL USING SURFACE MOUNTED HORIZONTAL BLOCKING AT THE BOTTOM, MIDDLE & TOP OF THE SHELVEING UNIT. SEE ELEVATION 3/A-202.
- 3'-0" [914mm] STOCK SHELVES. 3'-0 5/8" [930mm] WIDE x 2'-0 5/8" [625mm] DEEP x 11'-0" [3658mm] HIGH STOCK ROOM SHELVEING. ANCHOR TO FLOOR AND ADJACENT SHELVES SIMILAR TO (STANDARD) STOCK SHELVES. SEE SIMILAR ELEVATION 3/A-202.
- 3'-0" [914mm] WIDE MANAGER'S STORAGE SHELF. ANCHOR TO FLOOR AND ADJACENT SHELVES SIMILAR TO (STANDARD) STOCK SHELVES. SEE ELEVATION 2/A-202 FOR EQUIPMENT LOCATIONS.
- 4'-0" [1219mm] WIDE MARKETING STORAGE SHELF. 6'-2" [1880mm] CLEAR STORAGE SPACE. ANCHOR TO FLOOR AND ADJACENT SHELVES SIMILAR TO (STANDARD) STOCK SHELVES. SEE ELEVATION 4/A-202.
- MOBILE STOCK ROOM SHELVEING UNIT. ALL FLOOR TRACKS TO BE LEVELED PRIOR TO INSTALLATION OF SHELVEING. SEE MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.
- SURFACE MOUNT STANDARDS, POWDER COATED TO MATCH (P-7). FURNISHED BY VENDOR, INSTALLED BY GC. ZIP TIES FOR MOUNTING FBI BY GC.
- GC TO INSTALL 3/8" MIN HAT CHANNELS ON EITHER SIDE OF EXISTING COLUMN.

GENERAL NOTES:

- PRIOR TO FIXTURE INSTALLATION, REFER TO THE FIXTURE HANDBOOK FOR INFORMATION ON ASSEMBLY OF THE FIXTURES. IF THE HANDBOOK IS NOT AVAILABLE, CALL THE PROJECT MANAGER (SEE COVER SHEET) FOR A REPLACEMENT.
- FOR ALL PERIMETER WALL PANELS: GC SHALL INSTALL BRACKETS, SHELVEING AND HARDWARE PRIOR TO TURNOVER. REFER TO FIXTURE INSTALLATION GUIDE FOR MORE INFORMATION.
- GC SHALL PLACE ALL FLOOR FIXTURES IN ACCORDANCE WITH PLAN, LEVELED IN PLACE, AND ALL DAMAGED/MISSING LEVELERS TO BE REPLACED.
- FREE STANDING FLOOR FIXTURES SHALL BE PLACED TO ALLOW A 44" [1118mm] WIDE MIN EGRESS AISLE, CONTINUOUS FROM FRONT TO BACK OF SALES AREA.
- IT IS THE FIXTURE VENDOR'S RESPONSIBILITY TO SHIP THE PERIMETER PANEL HEIGHTS AS INDICATED ON THESE PLANS.

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2	06/17/2019	LANDLORD REVISIONS
NO.	DATE	DESCRIPTION

DATE:	05/17/2019
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PROJECT NO.:	18468

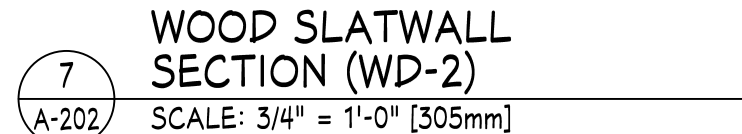
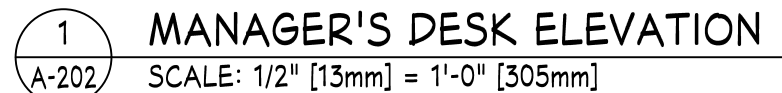
FIXTURE
PLAN

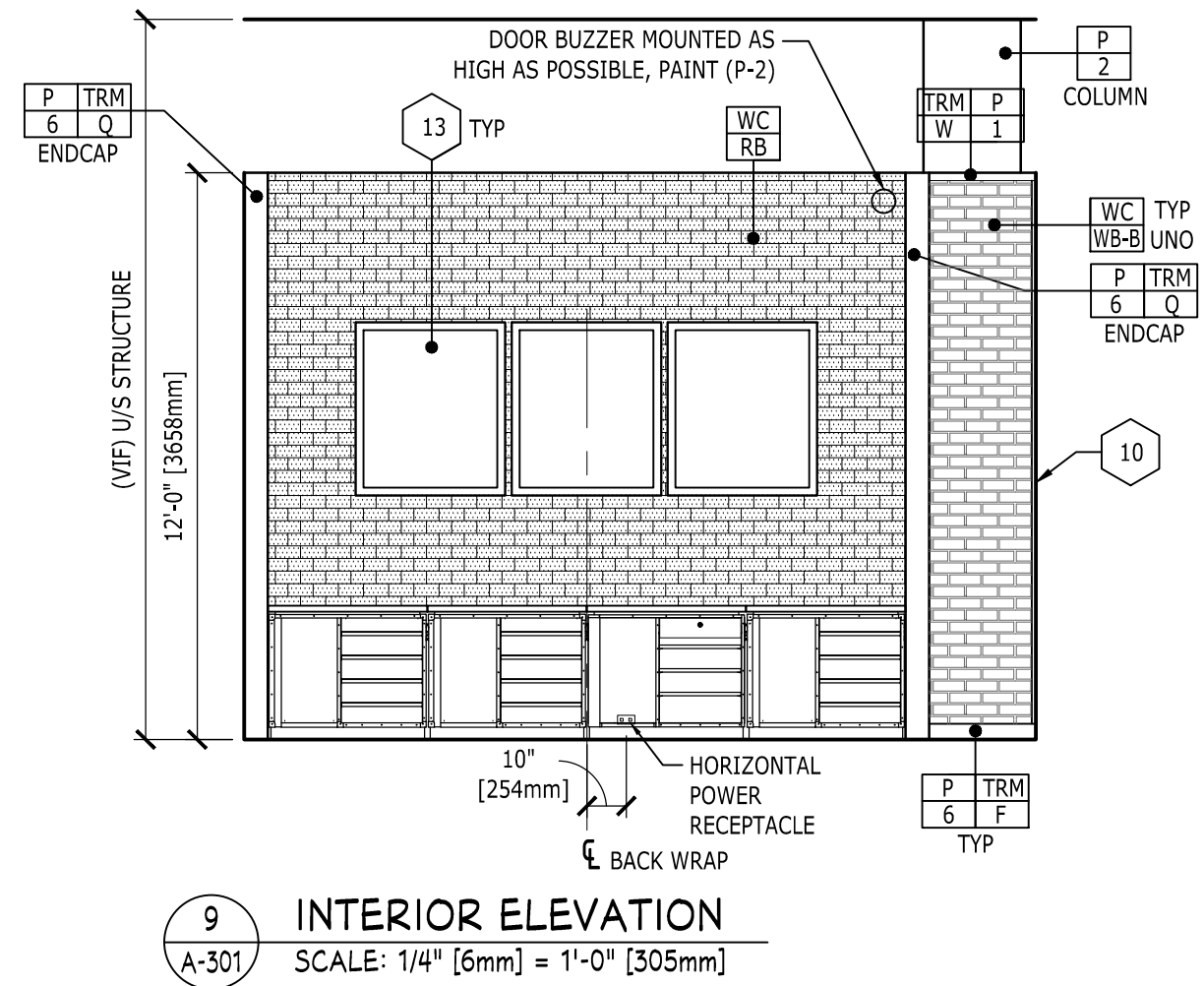
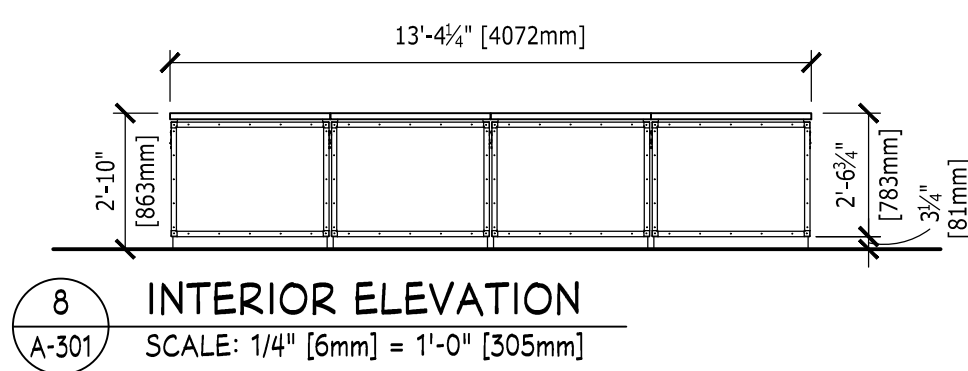
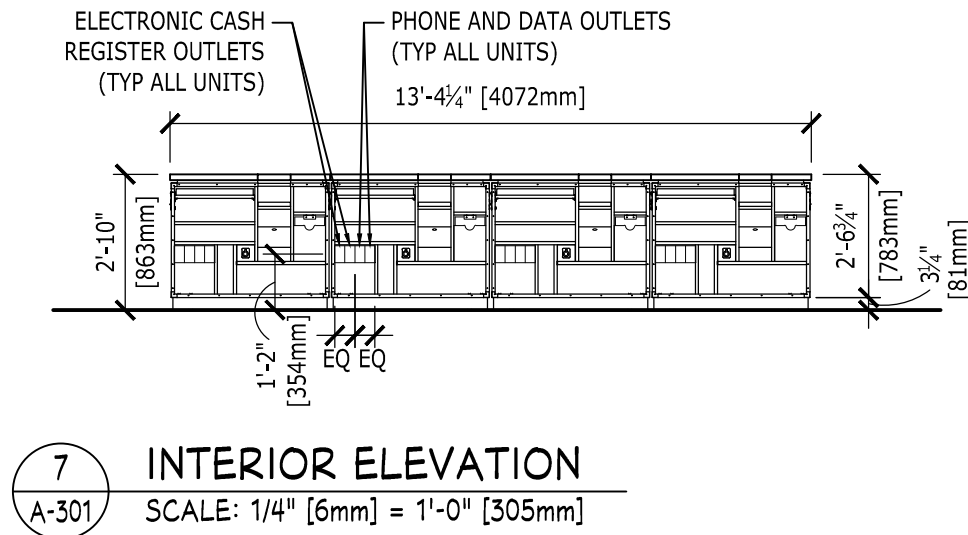
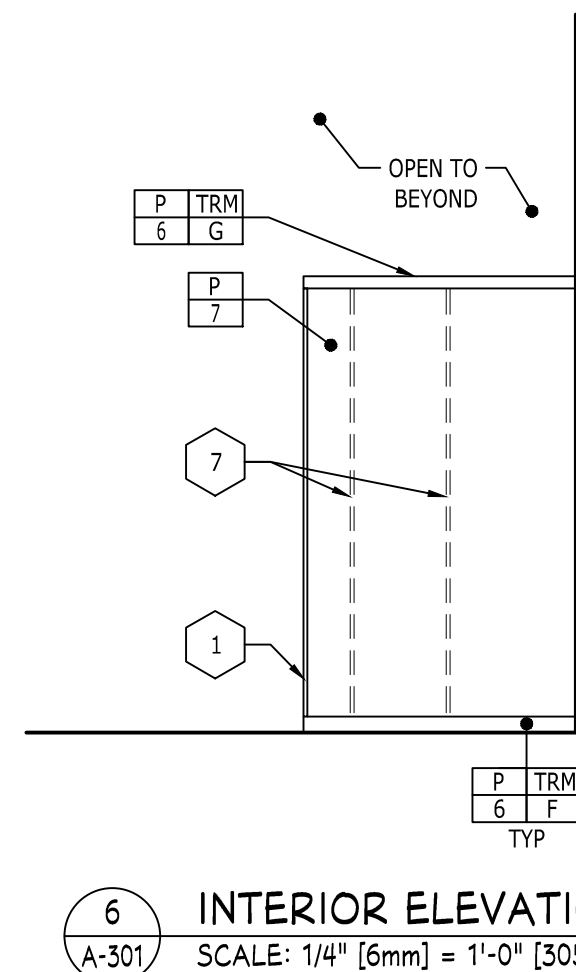
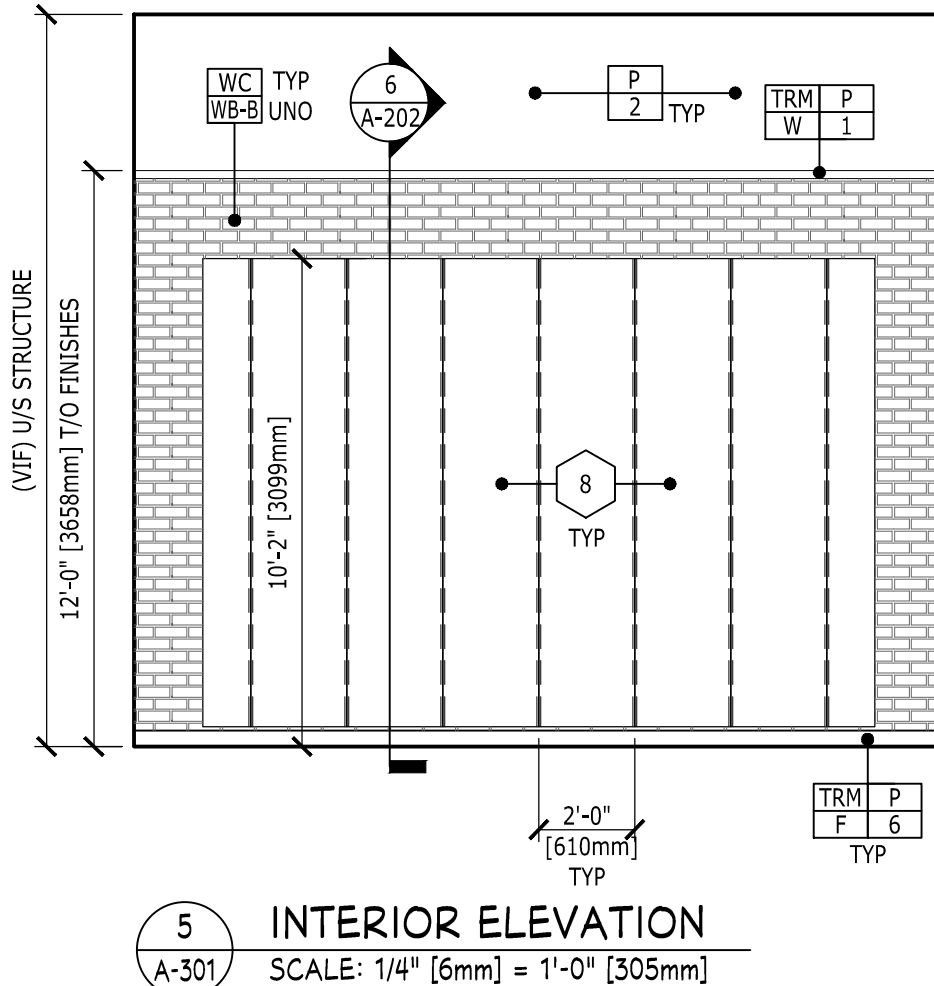
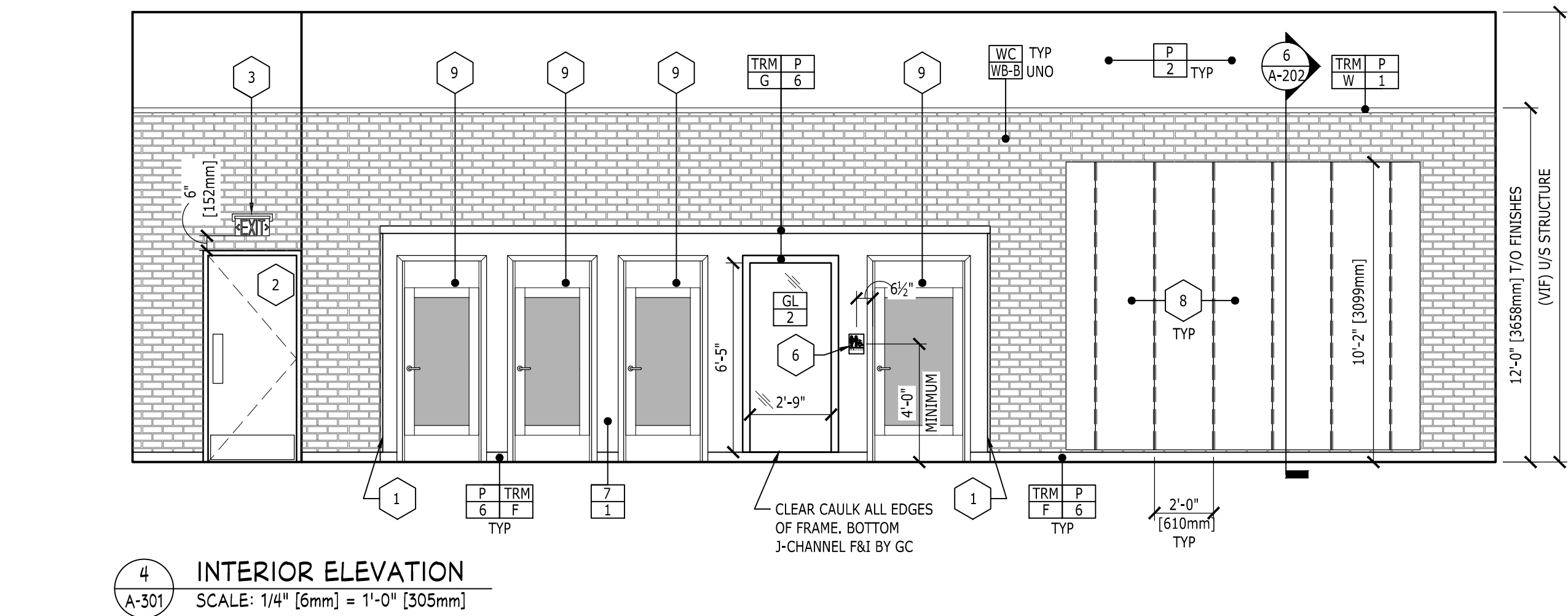
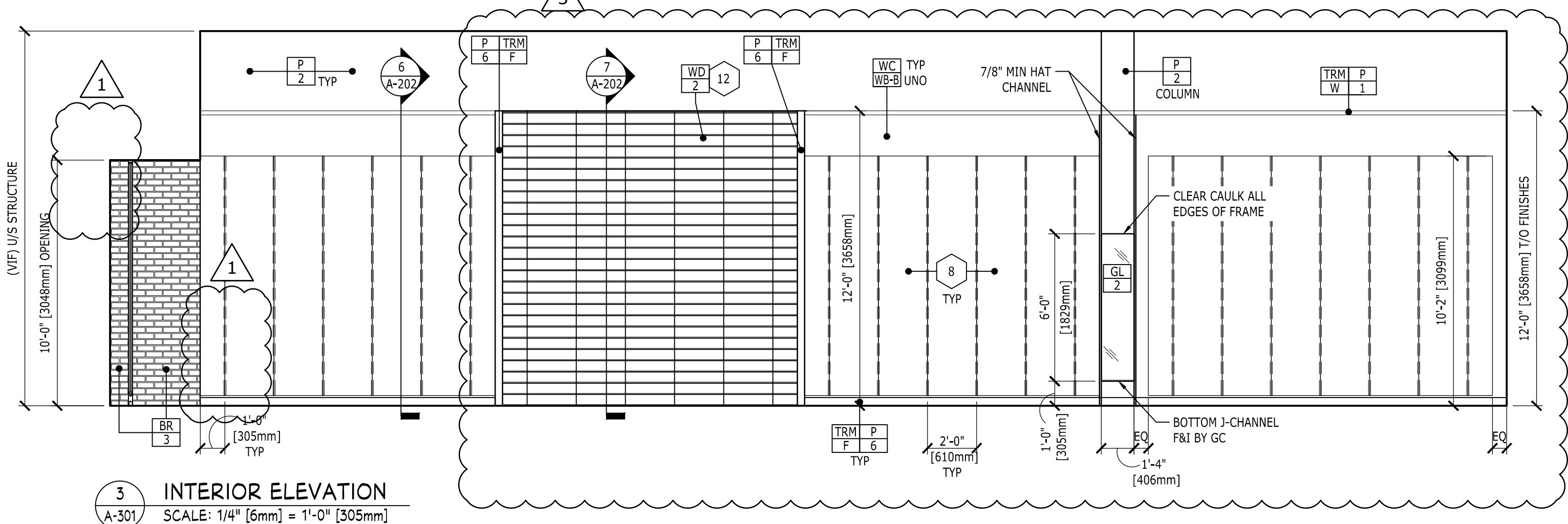
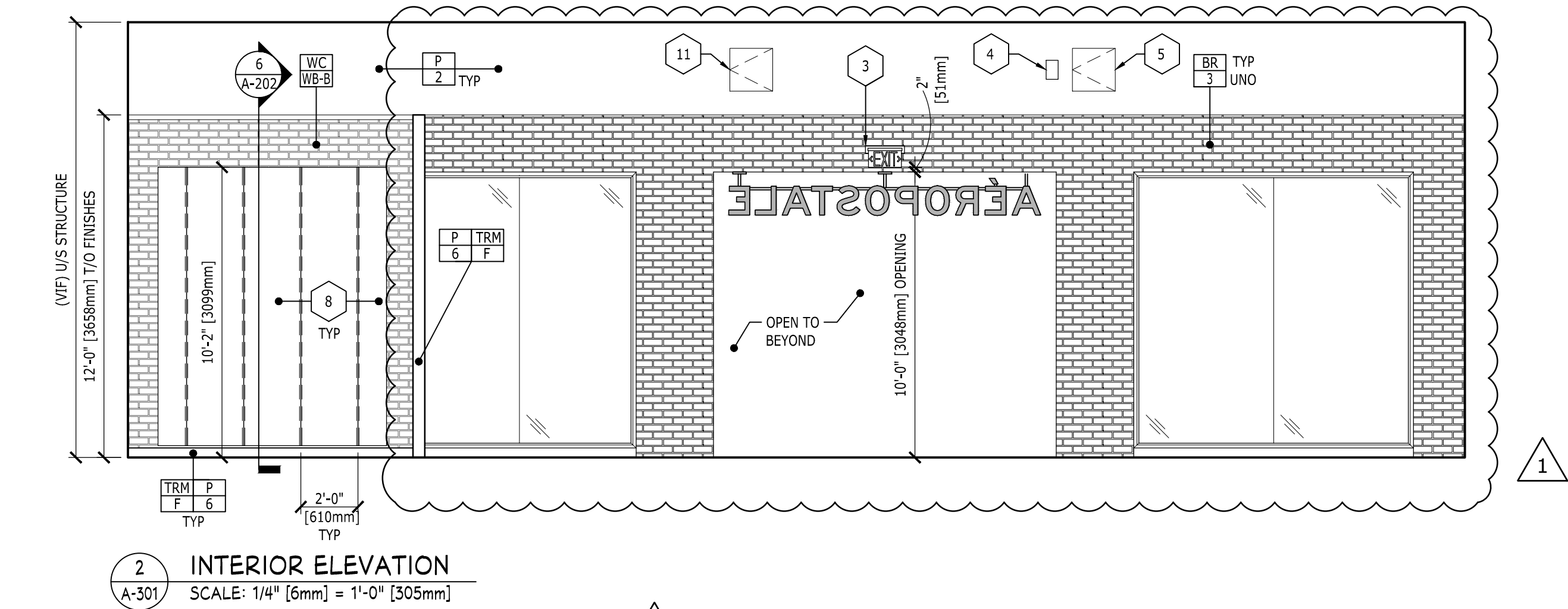
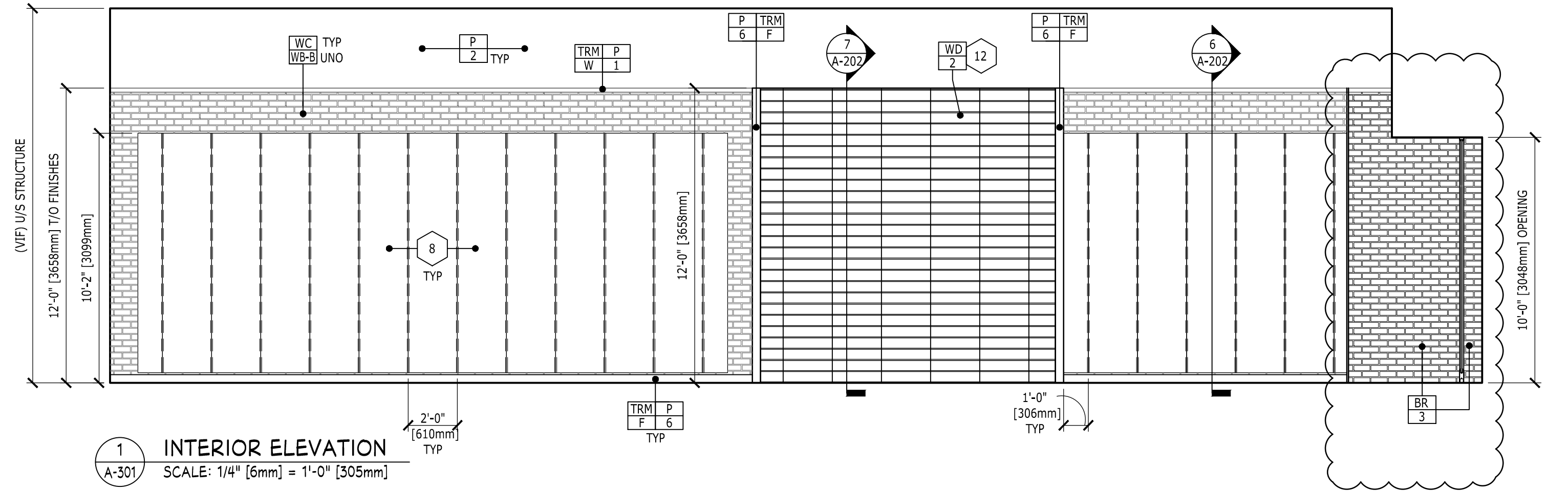
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1	05/22/19	INTERNAL REVISIONS
NO.	DATE	DESCRIPTION

FIXTURE DETAILS

A-202.00





GENERAL NOTES:

- SEE SHEET G-100 FOR FINISH SCHEDULE.
- SEE SHEET A-501 FOR FITTING ROOM ACCESSORY MOUNTING HEIGHTS.
- TOUCH UP ALL FURNISHED FIXTURE MATERIAL AFTER INSTALLATION.
- REFER TO FIXTURE INSTALLATION HANDBOOK FOR ADDITIONAL INFORMATION.
- REFER TO SHEET G-100 FOR ADDITIONAL INFORMATION REGARDING PAINTING OF NON-SALES FLOOR WALLS.
- IT IS THE FIXTURE VENDORS RESPONSIBILITY TO SHIP THE PERIMETER PANEL HEIGHTS AS INDICATED ON THESE PLANS.
- INSTALL PERIMETER WALL PANELS BY FIRST TAKING THE HIGH POINT OF THE FLOOR AND SETTING THE CONTROL LINE.

KEY NOTES:

- 1" [25mm] X 1" [25mm] WHITE METAL CORNER GUARD.
- SALES/ STOCK DOOR AND FRAME TO BE PAINTED (P-6).
- EXIT SIGN CENTERED ABOVE DOOR.
- ALARM/ COUNTER LOCATION FOR SENSORMATIC SYSTEM TO BE MOUNTED ON BULKHEAD ABOVE CEILING ELEMENTS. GC TO COORDINATE WITH VENDOR. GC SHALL REMOVE, PAINT (P-2) & REATTACH COVER ON SENSORMATIC ALARM BOX. PROTECT COUNTER AND SPEAKER HOLE.
- ACCESS PANEL FOR SENSORMATIC SYSTEM & STOREFRONT SIGN. MOUNT IN BULKHEAD ABOVE FINISHES.
- ACCESSIBLE FITTING ROOM SIGNAGE. FINISH TO BE BLACK & WHITE.
- SURFACE MOUNT STANDARDS, POWDER COATED TO MATCH (P-7). FURNISHED BY VENDOR, INSTALLED BY GC. ZIP TOGGLES FOR MOUNTING F&I BY GC.
- PERIMETER WALL PANELS, STANDARDS & HARDWARE.
- FITTING ROOM DOOR AND FRAME ASSEMBLY.
- 1" [25mm] X 1" [25mm] BLACK METAL CORNER GUARD.
- ACCESS PANEL FOR STOREFRONT SIGN POWER.
- (WD-2) WOOD SLATWALL.
- 38" X 44" FLIP FRAMES. COORDINATE INSTALL ON-SITE.

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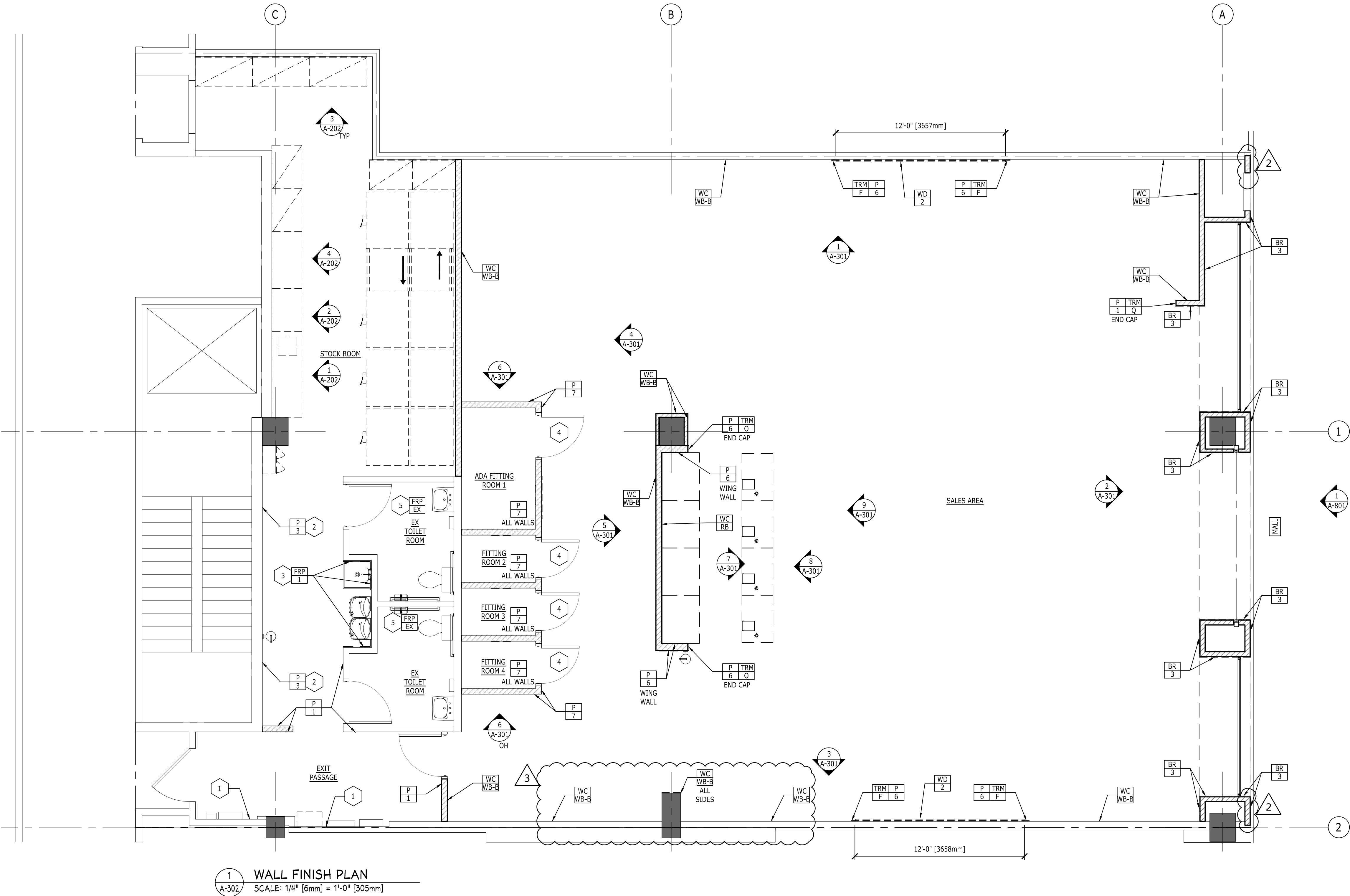
INTERIOR ELEVATIONS

3	08/02/2019	CONSTRUCTION REVISIONS
2	06/17/2019	LANDLORD REVISIONS
NO.	DATE	DESCRIPTION

DATE:	05/17/2019
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PROJECT NO.:	18468

WALL
FINISH
PLAN

A-302.00



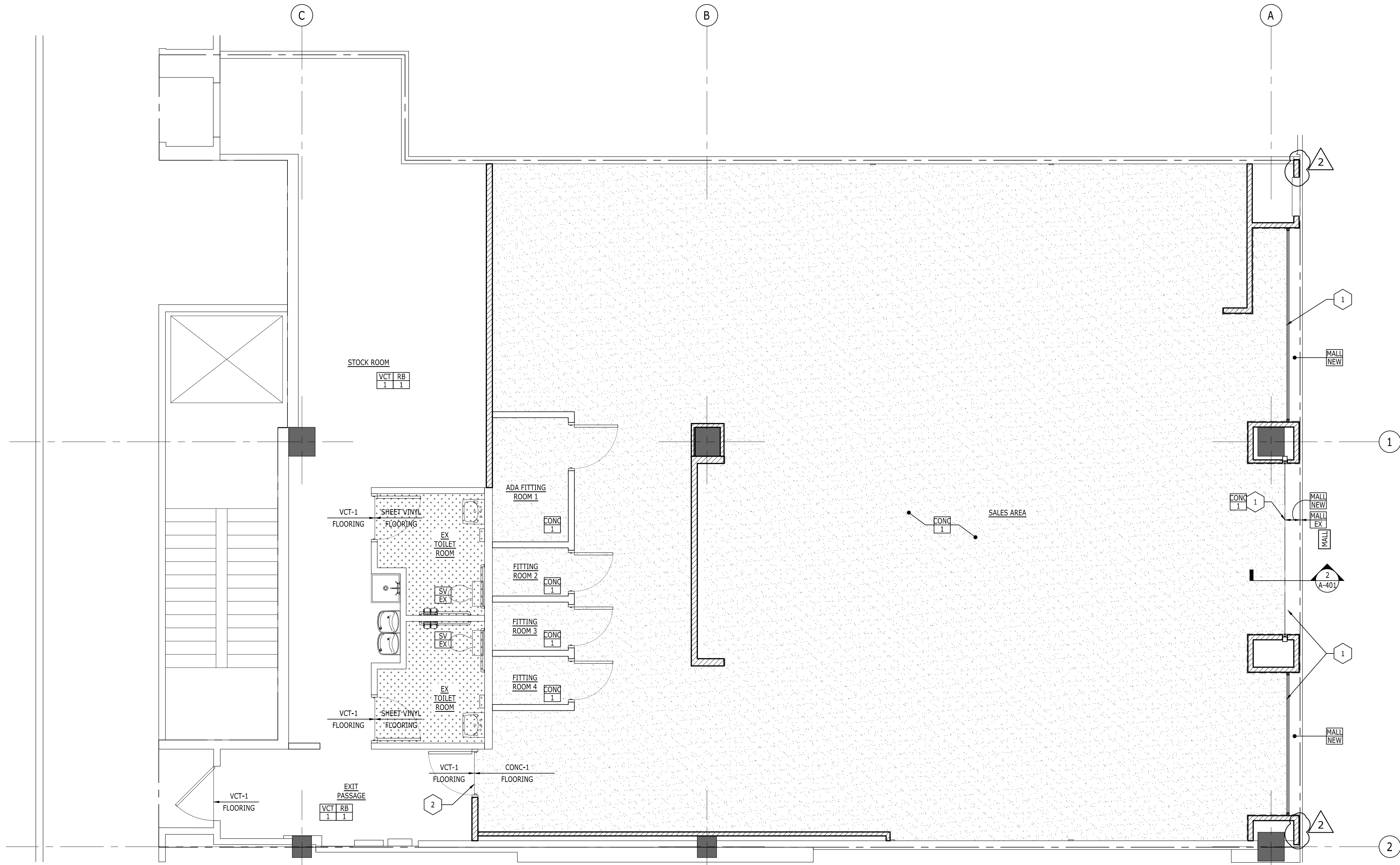
1 WALL FINISH PLAN
SCALE: 1/4" [6mm] = 1'-0" [305mm]

GENERAL NOTES:

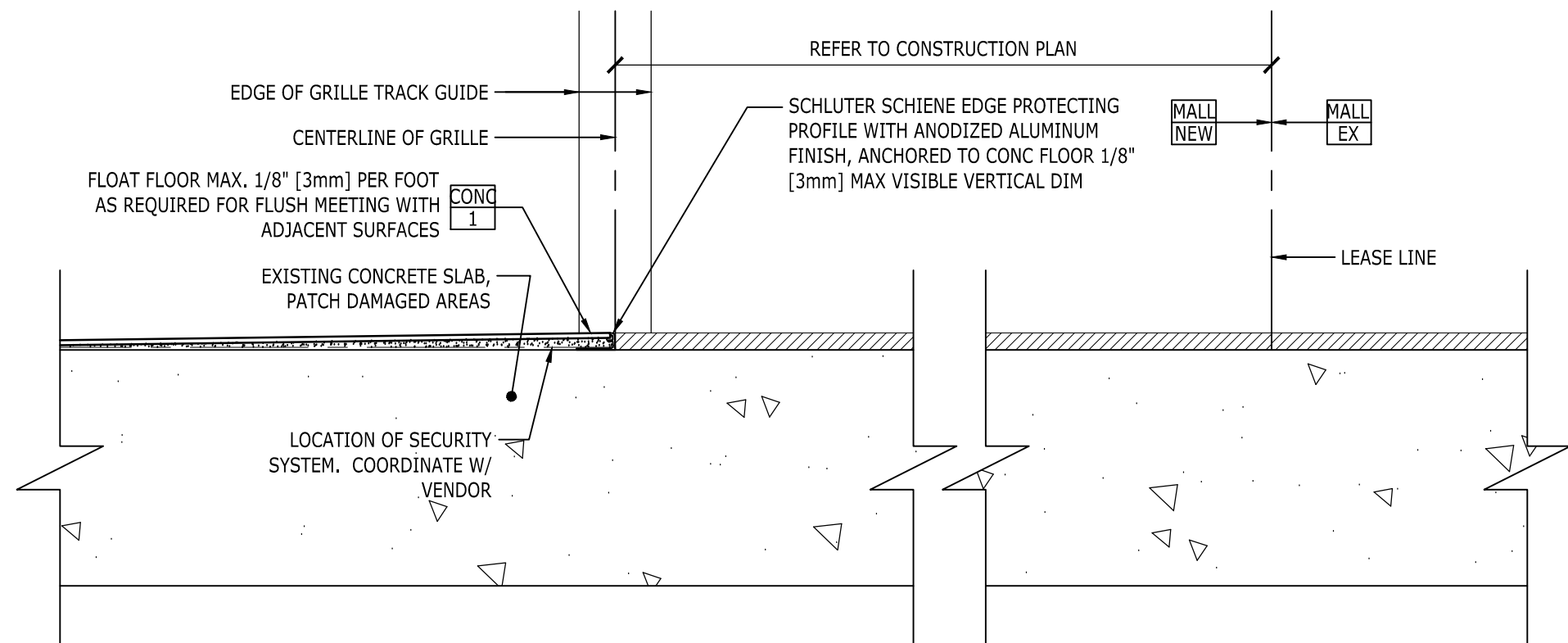
- A. SEE SHEET G-100 FOR FINISH SCHEDULE.
- B. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
- C. FOR NON-SALES AREA WALL FINISHES, REFER TO FINISH NOTES ON SHEET G-100.

KEY NOTES:

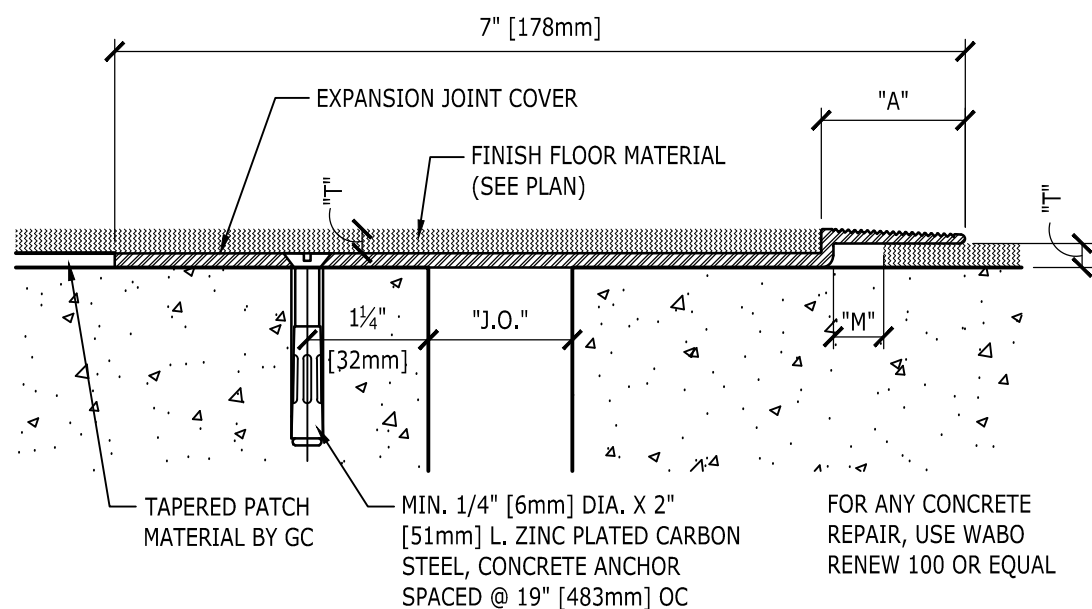
- 1. PAINT PLYWOOD BEHIND THE ELECTRICAL PANELS TO MATCH ADJACENT WALL FINISHES.
- 2. 'TEAM WALL'; PAINT ENTIRE WALL (P-3).
- 3. IF NOT EXISTING, GC TO F&I WALL PANELS (FRP-1) TO 48" AFF AT REAR AND SIDE OF MOP SINK & DRINKING FOUNTAIN.
- 4. ALL FITTING ROOM DOOR TRIM TO BE PAINTED (P-6).
- 5. EXISTING WALL PANELS (FRP-EX) TO 48" AFF AT ALL TOILET ROOM WALLS.



1 FLOOR FINISH PLAN
SCALE: 1/4" [6mm] = 1'-0" [305mm]



2 TRANSITION DETAIL
SCALE: 6" [152mm] = 1'-0" [305mm]



TYPICAL FLOOR TO FLOOR SECTION AT EXPANSION JOINT

3 EXPANSION JOINT SECTION
SCALE: 6" [152mm] = 1'-0" [305mm]

PROFILE SELECTION CHART							
SYSTEM DIMENSIONS			JOINT OPENING AND HORIZONTAL MOVEMENT				
MFR.	MODEL NO.	EXPOSED "A"	FLOOR COVERING THICKNESS "T"	"M"	"J.O." INSTALL	"J.O." MINIMUM	"J.O." MAXIMUM TOTAL MOVEMENT
WABO	FJS-200.125	1-1/2"	1/8"	1/2"	2"	1-1/2"	2-1/2"
		38mm	3mm	13mm	51mm	38mm	64mm
WABO	FJS-200.250	1-1/2"	1/4"	1/2"	2"	1-1/2"	2-1/2"
		38mm	6mm	13mm	51mm	38mm	64mm
WABO	FJS-200.375	1-1/2"	3/8"	1/2"	2"	1-1/2"	2-1/2"
		38mm	10mm	13mm	51mm	38mm	64mm

- J.O. MINIMUM AND MAXIMUM VALUES ARE AFTER THERMAL MOVEMENT OCCURS. MODEL NO. DETERMINED BY THICKNESS OF FINISH FLOOR MATERIAL (UP TO 3/8" [10mm] MAX).
- AT EXISTING EXPANSION JOINTS IN THE FLOOR, USE THIS DETAIL AND THE APPROPRIATE PROFILE FROM THE CHART. IF THE EXPANSION JOINT CONTINUES IN THE WALL OR CEILING, REFER TO DETAIL 4/A-102.

GENERAL NOTES:

- THE FLOORING MATERIAL (CONC-1) IS BY FLOORING VENDOR. SEE SHEET G-100.
- FOLLOW MANUFACTURER'S INSTRUCTIONS FOR CLEANING AND SEALING (VCT-1).
- INSTALL FLOORING BEFORE PERIMETER SALES AREA FIXTURES, CASH WRAP & BACK WRAP ARE SET.
- BUTT JOINT ALL FLOOR TRANSITIONS AS TIGHT AS POSSIBLE TO PROVIDE FLUSH TRANSITION, TYP UNO.
- SEE 3/A-401 FOR EXPANSION JOINT CONDITION(S), IF APPLICABLE.
- SEE INTERIOR ELEVATIONS FOR BASE LOCATIONS.
- SEE FINISH SCHEDULE ON SHEET G-100 FOR INFORMATION ON FINISHES.
- H. ADD ALTERNATE:** IF NOT EXISTING, PROVIDE WATERPROOF MEMBRANE PER LANDLORD REQUIREMENTS IN ALL WET AREAS, INCLUDING, BUT NOT LIMITED TO, AREAS AROUND AND BENEATH DRINKING FOUNTAINS AND MOP SINK (IF APPLICABLE). SHEET VINYL FLOORING (SV-1) IN TOILET ROOM IS A WATERPROOF MEMBRANE.
- WITHIN 3 DAYS OF THE COMPLETION OF DEMOLITION, GC IS RESPONSIBLE FOR TESTING THE CONCRETE SLAB FOR MOISTURE CONTENT USING WAGNER RELATIVE HUMIDITY RAPID RH TESTING KIT. CONTACT PRODUCT MANUFACTURER PRIOR TO BIDDING FOR TESTING, EXISTING CONDITIONS RECOMMENDATIONS AND COMPLETE APPLICATION INSTRUCTIONS. PROVIDE ADD ALTERNATE BID ON BID FORM. SEE MOISTURE CHART ON THIS SHEET FOR TESTING REQUIREMENTS & PRODUCT SPECIFICATIONS.
- PLACE EXCESS FLOORING ON STOCK ROOM SHELF.

KEY NOTES:

- FLOORING TO CLOSURE LINE / THRESHOLD. SEE DETAIL 2/A-401.
- BUTT JOINT FLOORING MATERIALS AS TIGHT AS POSSIBLE, MAINTAINING SMOOTH COMPLIANT TRANSITION. ADJACENT FLOORING SHALL NOT BE VISIBLE FROM SALES AREA.

MOISTURE BARRIER CHART		
GC SHALL PERFORM RELATIVE HUMIDITY TEST USING WAGNER RELATIVE RAPID HUMIDITY RH TESTING PROBE. GC SHALL FOLLOW WRITTEN SPECIFICATIONS PROVIDED BY MANUFACTURER. USE THE BELOW INFORMATION AS A GUIDELINE FOR PRODUCT SPECIFICATION.		
MOISTURE LEVEL	MOISTURE BARRIER SPECIFICATION	
80% & BELOW	NO MOISTURE BARRIER	
81% - 89%	ApacEncapsel 2 COAT SYSTEM	
90% +	ARDEX MC RAPID MOISTURE CONTROL SYSTEM	

FLOOR COVERING LEGEND	
SEE SHEET G-100 FOR SPECIFICATIONS AND FINISH NOTES.	
CONC 1	
VCT 1	NO HATCH
SV EX	

AÉROPOSTALE

C3 CENTRE
SPACE #B312
SIR SOLOMON
HOCHOY HIGHWAY
NORTH OF CORINTH
INTERCHANGE
CORINTH, SAN
FERNANDO, TRINIDAD

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2	06/17/2019	LANDLORD REVISIONS
NO.	DATE	DESCRIPTION

DATE: 06/01/2019
DRAWN BY: PWG
PROJECT NO.: 19156

FLOOR
FINISH
PLAN

A-401.00

KINGS PLAZA
SPACE 2248
5100 KINGS PLAZA
BROOKLYN, NY
11234



SCALE: 1/2" [13mm] = 1'-0" [305mm]



SCALE: 1/2" [13mm] = 1'-0" [305mm]

<p>NOTE: ALL COMPONENTS ARE FURNISHED BY VENDOR, UNLESS NOTED OTHERWISE. GC SHALL F&I ALL MIRRORS W/ BOTTOM J-CHANNEL</p>
<h2><u>ADA FITTING ROOM # 1:</u></h2> <p>HARDWARE / FIXTURES: + (1) ADA BENCH (CRATE): FR-LD + (3) HOOKS: ECONO PSWL04</p> <p>+ (1) 2'-9" [838mm] W x 6'-0" [1829mm] H MIRROR + (1) ADA WALL-MOUNTED SIGN (SEE ELEVATIONS)</p>
<h2><u>FITTING ROOM # 2:</u></h2> <p>HARDWARE / FIXTURES: + (1) CHAIR: MSCHCHAIR + (3) HOOKS: ECONO PSWL04</p> <p>+ (1) 2'-9" [838mm] W x 6'-0" [1829mm] H MIRROR</p>
<h2><u>FITTING ROOM # 3:</u></h2> <p>HARDWARE / FIXTURES: + (1) CHAIR: MSCHCHAIR + (3) HOOKS: ECONO PSWL04</p> <p>+ (1) 2'-9" [838mm] W x 6'-0" [1829mm] H MIRROR</p>
<h2><u>FITTING ROOM # 3:</u></h2> <p>HARDWARE / FIXTURES: + (1) CHAIR: MSCHCHAIR + (3) HOOKS: ECONO PSWL04</p> <p>+ (1) 2'-9" [838mm] W x 6'-0" [1829mm] H MIRROR</p>



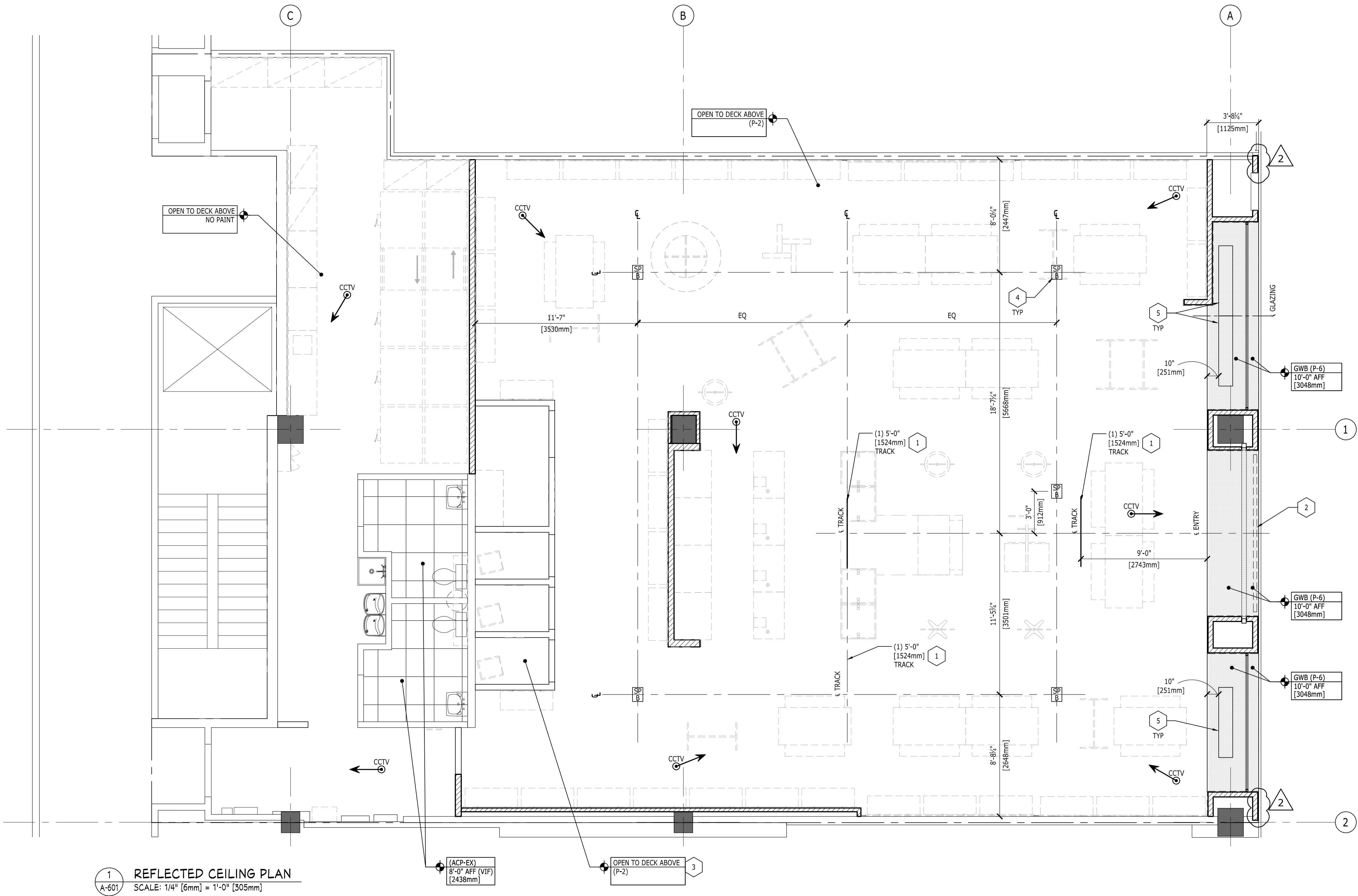
SCALE: 1/2" [13mm] = 1'-0" [305mm]

NO.	DATE	DESCRIPTION

DATE:	5/17/2019
DRAWN BY:	HCG
PROJECT NO.:	18468

FITTING ROOM INTERIOR ELEVATIONS

A-501.00



1 REFLECTED CEILING PLAN
A-601 SCALE: 1/4" [6mm] = 1'-0" [305mm]

GENERAL NOTES:

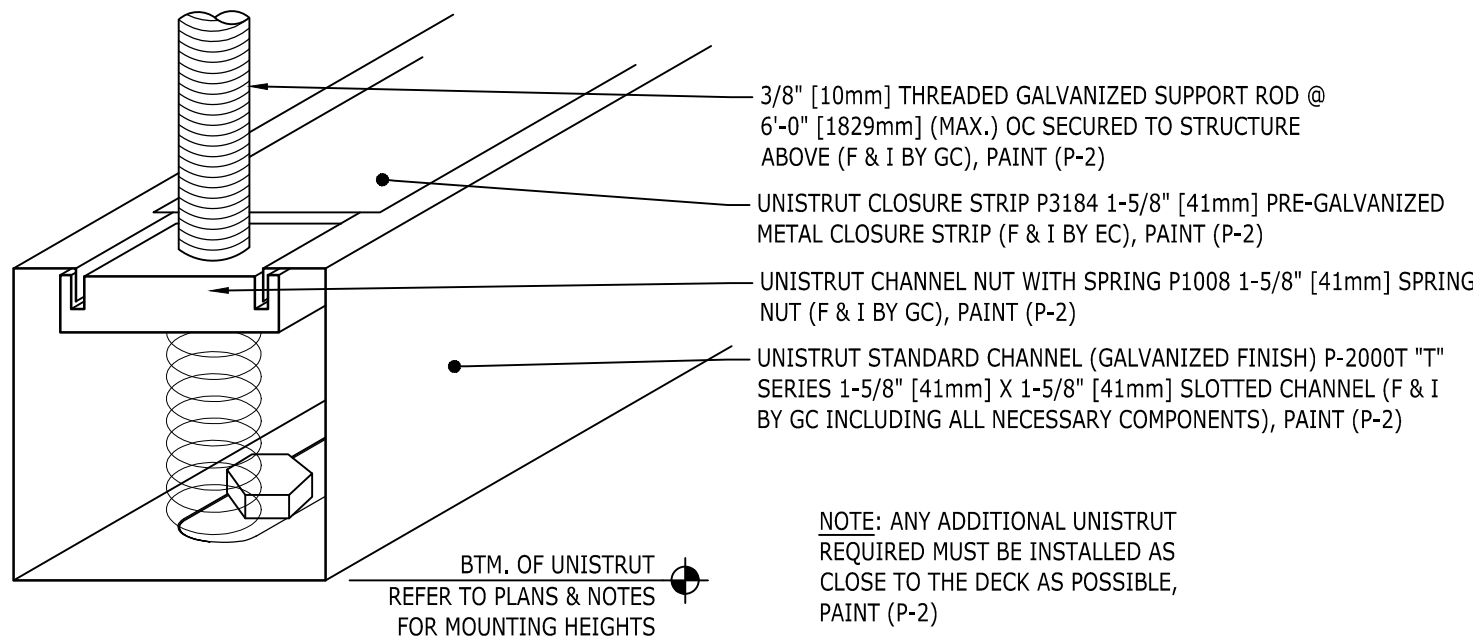
- ALL SPRINKLER MAINS AND BRANCH LINES MUST BE RAISED ABOVE THE SPECIFIED CEILING/ BULKHEAD HEIGHTS AT GC'S EXPENSE. REFER TO SPRINKLER PLANS FOR ADDITIONAL INFORMATION.
- ALL SPRINKLER HEADS IN STOCK ROOM TO BE 30" [762mm] ABOVE THE HIGHEST STOCK SHELF (MINIMUM).
- ANY GWB CEILING/ BULKHEAD SYSTEM THAT INTERSECTS AN EXISTING EXPANSION JOINT SHALL BE BUILT ACCORDING TO 4/A-102.
- REFER TO MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- REFER TO LIGHTING PLAN FOR LIGHT LOCATIONS.
- DIMENSIONS ARE TO THE CENTERLINE OF OBJECTS, UNLESS NOTED OTHERWISE.
- REFER TO SHEET G-100 FOR ADDITIONAL INFORMATION REGARDING PAINTING OF THE STOCK ROOM WALLS.
- DIFFUSERS SHALL MATCH SPECIFIED CEILING COLOR. REFER TO PLANS & G-100 FOR FINISH.
- INSTALL 24" [610mm] x 24" [610mm] ACCESS PANEL(S) IN GWB CEILING AT ANY AND ALL LOCATIONS WHERE TENANT OR LL EQUIPMENT NEEDING ACCESS OCCURS. COORDINATE ON-SITE.

KEY NOTES:

- SURFACE MOUNTED MARKETING TRACKS (P-2). SEE DETAIL 2/A-601.
- LINE OF STOREFRONT SIGN. SEE SIGN SHOP DRAWINGS.
- OPEN TO DECK ABOVE FITTING ROOMS.
- MUSIC SYSTEM. COORDINATE EXACT SPEAKER (SP) QUANTITY AND LOCATIONS WITH VENDOR.
- SURFACE MOUNTED MARKETING GRID.

SYMBOL LEGEND

SP B	BLACK, KINDORF MOUNTED SPEAKER (12'-6" AFF)
CCTV ←	CCTV, SEE ELECTRICAL DRAWINGS



2 UNISTRUT DETAIL
A-601 SCALE: 1/4" [6mm] = 1'-0" [305mm]

2	06/17/2019	LANDLORD REVISIONS
NO.	DATE	DESCRIPTION

DATE:	06/01/2019
DRAWN BY:	PWG
PROJECT NO.:	19156

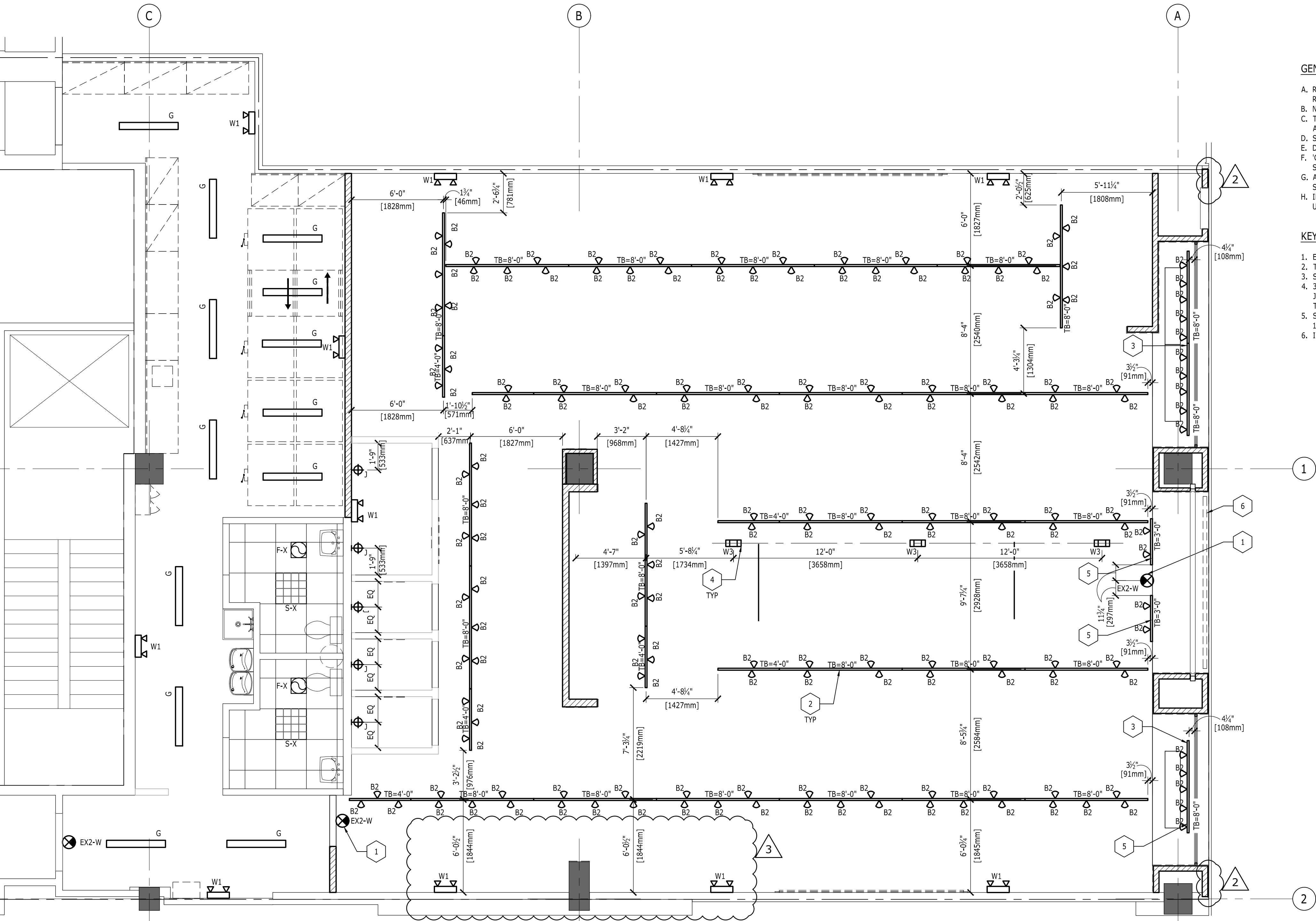
REFLECTED
CEILING
PLAN

GENERAL NOTES:

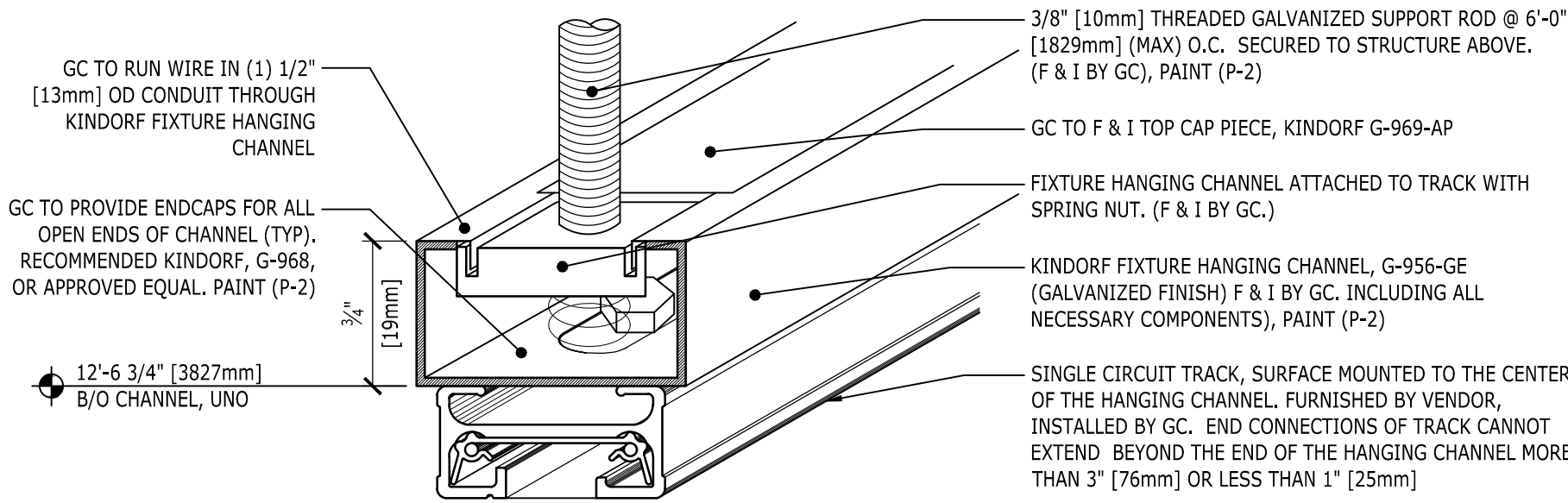
- A. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- B. NO JUNCTION BOXES TO BE INSTALLED BELOW THE CEILING HEIGHT.
- C. THE EMERGENCY LIGHTS WILL PROVIDE AN AVERAGE OF ONE (1) FOOTCANDLE ALONG THE ENTIRE MEANS OF EGRESS PER NFPA 101; 7.9.
- D. SEE REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.
- E. DIMENSIONS ARE TO THE CENTERLINE OF OBJECTS, UNLESS NOTED OTHERWISE.
- F. 'G' LIGHTS IN THE STOCK ROOM ARE TO BE CENTERED IN AISLES AS GRAPHICALLY SHOWN.
- G. ALL SPRINKLER HEADS IN STOCK ROOM TO BE 30" [762mm] ABOVE THE HIGHEST STOCK SHELF (MIN).
- H. IF NOT DIMENSIONED, LIGHT TRACKS ARE TO BE CENTERED WITHIN THE ROOM, UNISTRUT, OR FAUX BEAMS AS SHOWN.

KEY NOTES:

- 1. EXIT LIGHT TO BE WALL MOUNTED ON BULKHEAD. SEE INTERIOR ELEVATIONS.
- 2. TRACK TO BE MOUNTED TO KINDORF. SEE 2/A-701.
- 3. SURFACE MOUNTED TRACKS ON BULKHEAD ABOVE.
- 4. 3/4" [19mm] CONDUIT (P-2) SUSPENDED FROM KINDORF TRACK ABOVE. MOUNT J-BOX TO THE BOTTOM OF CONDUIT FOR 'W3' LIGHT FIXTURE. BOTTOM OF J-BOX TO BE HELD 12'-3" [3734mm].
- 5. SURFACE MOUNTED TRACKS ON BULKHEAD ABOVE. MOUNT B/O OF TRACK AT 12'-5 3/4" [3827mm] AFF.
- 6. ILLUMINATED SIGNAGE. SEE SIGN SHOP DRAWINGS.



1 LIGHTING PLAN
SCALE: 1/4" [6mm] = 1'-0" [305mm]



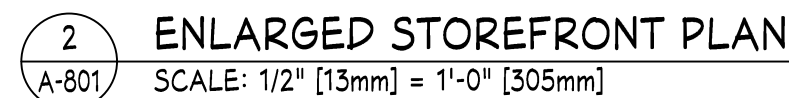
2 KINDORF DETAIL
SCALE: N.T.S.

LIGHTING FIXTURE SCHEDULE

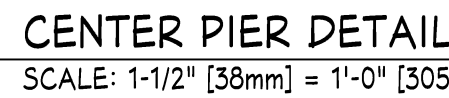
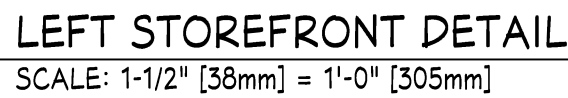
SYMBOL	TYPE	MANUFACTURER	PRODUCT NUMBER	FINISH	DESCRIPTION	LAMPING	MTG. METHOD	MTG. HGT.	VOLTS	COMMENTS
TB	TRACK	JUNO	TRACK ONE CIRCUIT 4' [1219mm], 6' [1829mm] , 8' [2438mm] BL	BLACK	TRACK	---	PENDANT	SEE 2/A-701	120	# = TRACK LENGTH, REFER TO ELECTRICAL DWGS. FOR TRACK LENGTHS; SURFACE/ KINDORF MOUNTED; 1 CIRCUIT TRACK
B2	CONTECH	CTL610-P-BL	LA630-P CONE SHADE-BL	BLACK	ACCENT	LED 14.5W	TRACK	SEE 2/A-701	120	TRACK MOUNTED LED ADJUSTABLE ACCENT FIXTURE; ELECTRONIC BALLAST
F-X	--	--	EXISTING EXHAUST FAN	--	FAN	--	SURFACE	CEILING	--	EXISTING EXHAUST FAN
G	LAMAR	#S132-EBU-NY-WG140P		WHITE	STRIP LIGHT	(1) 32 WATT T8 3500K	PENDANT	13'-0"	120	MOUNTING COMPONENTS FURNISHED & INSTALLED BY GC
J	BOCK LIGHTING	P37-312ST12G9		SEE COMMENTS	FITTING ROOM LIGHT	GE #FLE26W/2/T21/XL 26W CFL	WALL	SEE ELEVATIONS	120	FINISH: G16 - SILVER WRINKLE, POWDER COAT. MOUNT J-BOX AT 100" [2540mm] AFF.
EX2-W	NAVILITE	NXPB3RWH-AERO		WHITE	EXIT LIGHT	INCLUDED	SEE ELEVATIONS FOR LOCATIONS	---	120	EXIT LIGHT, SURFACE MOUNTED. WALL MOUNT 6" [152mm] ABOVE DOOR
S-X	--	--	EXISTING 2X2 LIGHT	--	EXISTING 2X2 LIGHT	--	SURFACE	CEILING	--	EXISTING 2X2 LIGHT
W1	NAVILITE	N1WH-ADV		WHITE	EMERGENCY LIGHT	INCLUDED	WALL	11'-8"/SALES 13'-0"/STOCK	120	BATTERY BACK-UP
W3	NAVILITE	NZBL-MOD		SEE COMMENTS	SALES SURFACE EMERGENCY LIGHT	INCLUDED	KINDORF	KINDORF (OPEN CLG)	120	---

C3 CENTRE
SPACE #B312
SIR SOLOMON
HOCHOY HIGHWAY
NORTH OF CORINTH
INTERCHANGE
CORINTH, SAN
FERNANDO, TRINIDAD

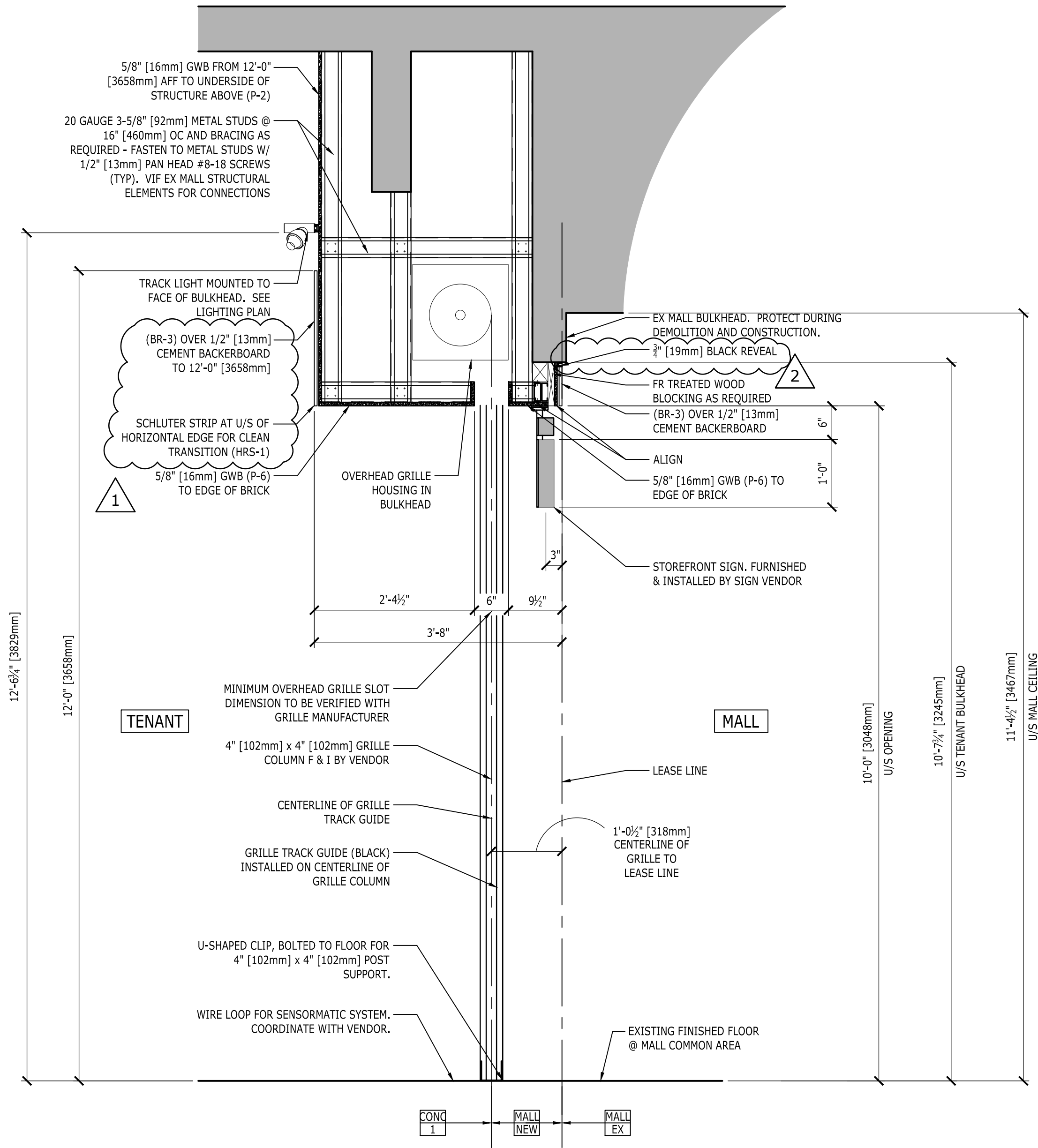
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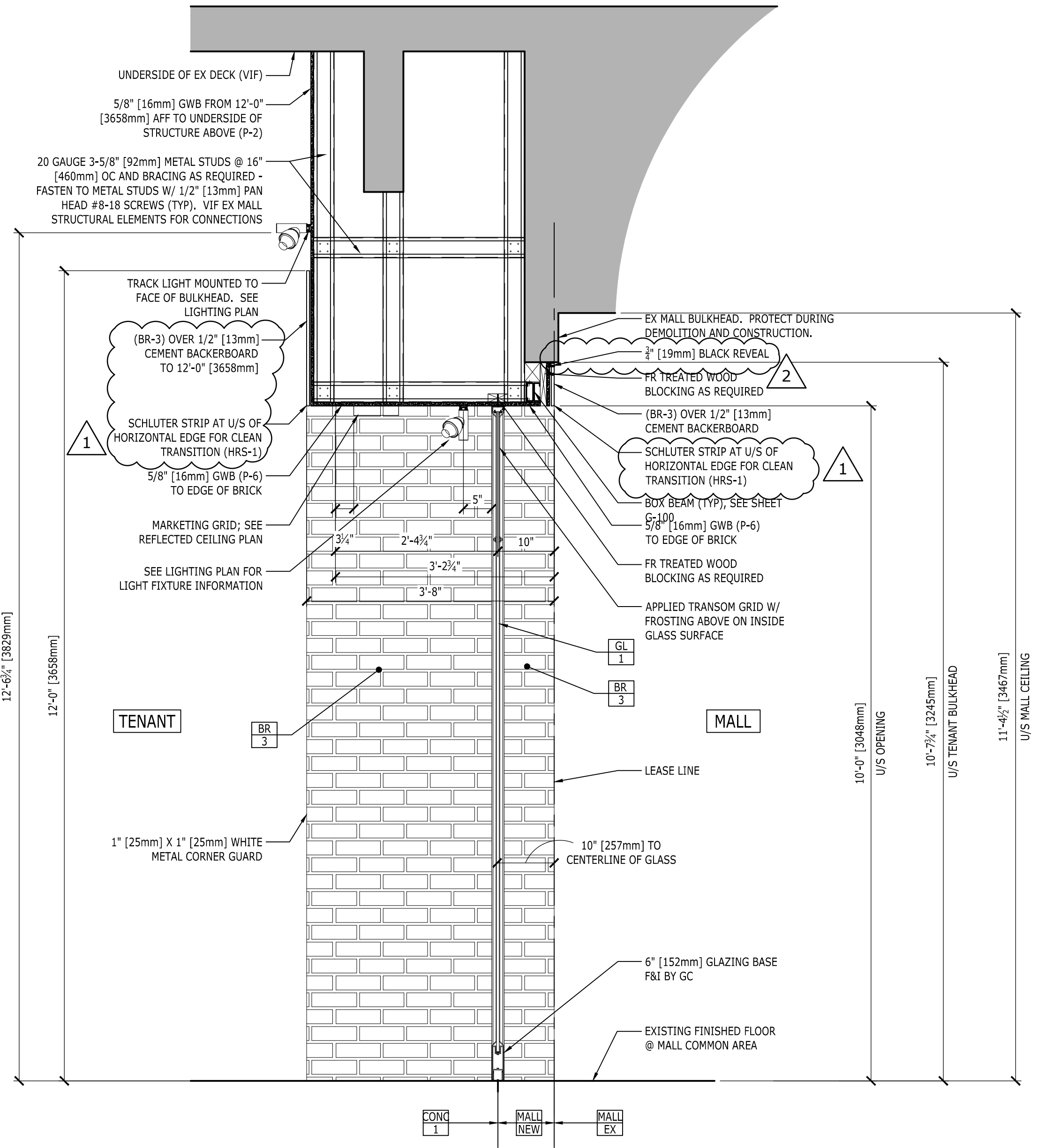
- A. REPAIR ANY DAMAGES TO THE LANDLORD'S EXISTING FINISHES. DAMAGE CAUSED BY THE GC IS TO BE REPAIRED AT GC'S EXPENSE.
- B. INSTALL ALL NEW STOREFRONT ITEMS EXCEPT THE ROLLING GRILLE, SECURITY SYSTEM, AND SIGN. COORDINATE INSTALLATION WITH VENDORS.
- C. FINISHED FACE OF BRICK SHALL ALIGN WITH LEASE LINE.
- D. TENANT MUST PROVIDE A STORE ENTRANCE KEY FOR THE KNOX BOX UPON THEIR FINAL STORE FIRE INSPECTION. THIS KEY SHOULD OPERATE THE STOREFRONT AND REAR ENTRANCE, IF REQUIRED.



A-801.00



1 STOREFRONT SECTION
A-901 SCALE: 3/4" [19mm] = 1'-0" [305mm]

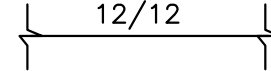
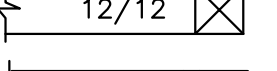
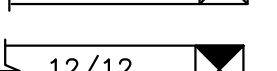
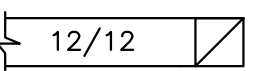
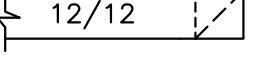
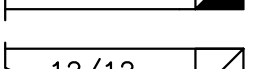
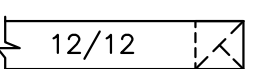
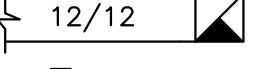
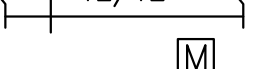
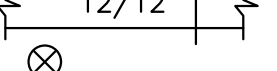
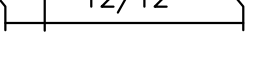
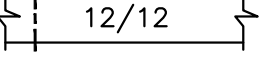
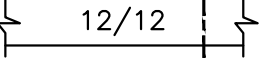
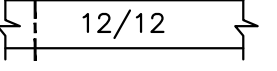
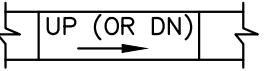
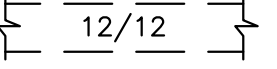
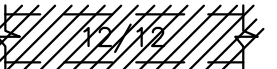

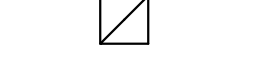





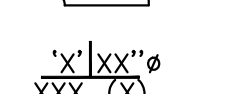
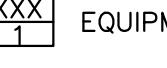








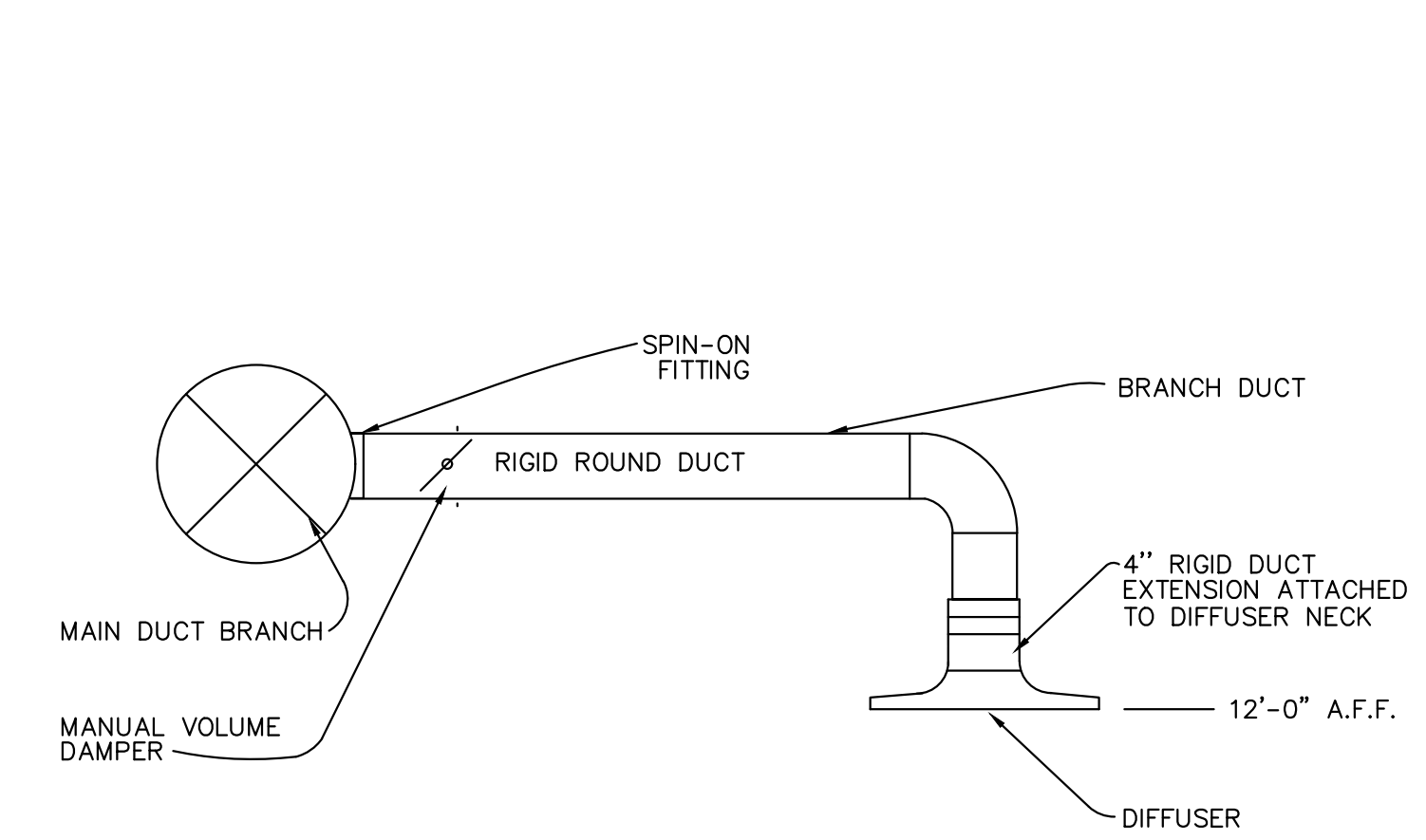
2 STOREFRONT SECTION
A-901 SCALE: 3/4" [19mm] = 1'-0" [305mm]

2	06/17/2019	LANDLORD REVISIONS
1	05/22/19	INTERNAL REVISIONS
NO.	DATE	DESCRIPTION

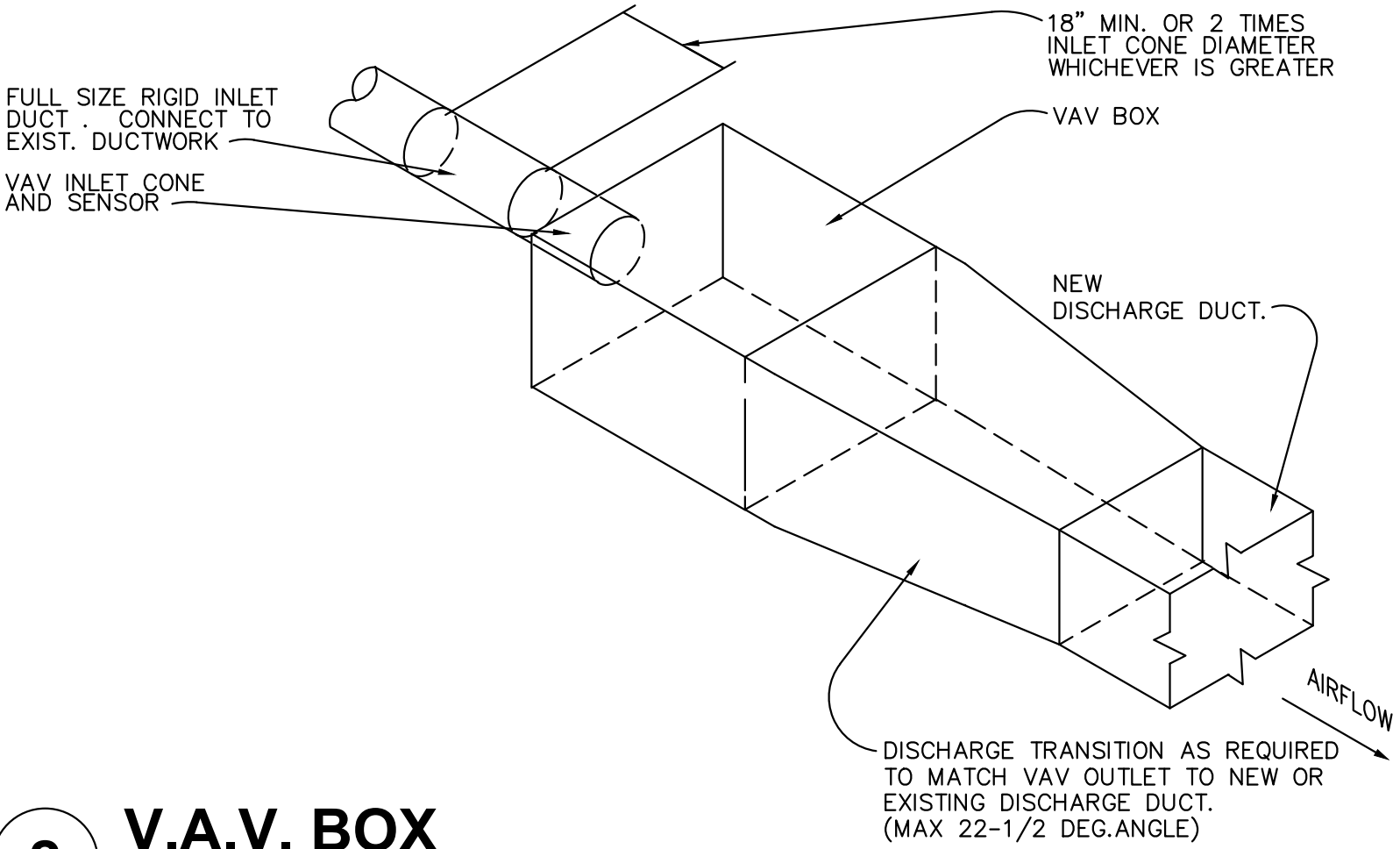
DATE:	06/01/2019
DRAWN BY:	PWG
PROJECT NO.:	19156

STOREFRONT SECTIONS

ABBREVIATIONS			HVAC SYMBOL LEGEND			PLUMBING SYMBOL LEGEND			PLUMBING LINETYPE LEGEND																					
AC AFF AMP AP BTU BCV CFH CFM CHW CHWR CHWS CLG CO CR CW DB DEMO DIA DIFF DWG DX EAT ELEC ELEV EMS ESP EWB EWT EXH EXIST F FSD FCO FD FDC FFE FLR FPM FT GA GAL GC GPH HP HT HVAC HW HZ ID	AIR CONDITION (-ING, -ED) ABOVE FINISHED FLOOR AMPERE (AMP, AMPS) ACCESS PANEL BRITISH THERMAL UNIT CIRCUIT BALANCING VALVE CUBIC FEET PER HOUR CUBIC FEET PER MINUTE CIRCULATING HOT WATER CHILLED WATER RETURN CHILLED WATER SUPPLY CEILING CLEANOUT CONDENSATE RETURN COLD WATER DECIBEL DEMOLITION DIAMETER DIFFUSER DRAWING DIRECT EXPANSION ENTERING AIR TEMPERATURE ELECTRICAL ELEVATION ENERGY MANAGEMENT SYSTEM EXTERNAL STATIC PRESSURE ENTERING WET BULB ENTERING WATER TEMPERATURE EXHAUST EXISTING FAHRENHEIT COMBINATION FIRE/SMOKE DAMPER FLOOR CLEANOUT FIRE DAMPER FLOOR DRAIN FIRE DEPARTMENT CONNECTION FINISHED FLOOR ELEVATION FLOOR FEET PER MINUTE FOOT OR FEET GAGE OR GAUGE GALLONS GENERAL CONTRACTOR GALLONS PER HOUR HORSEPOWER HEIGHT HEATING, VENTILATING, AIR CONDITIONING HOT WATER HERTZ INSIDE DIAMETER	INV KW LAT LBS LWB LWT MA MAX MBH MIN MISC NA NC NIC NTS OBD ORD PH PVC RA RD REC REL RH RM RPM SA SAN SD SF SP SPEC ST STD TD TSP TYP V VFD VSD VOL VTR W W/ W/O WC WCO WT	INVERT KILOWATT LEAVING AIR TEMPERATURE POUNDS LEAVING WET BULB LEAVING WATER TEMPERATURE MIXED AIR MAXIMUM THOUSAND BTU'S/HR MINIMUM MISCELLANEOUS NOT APPLICABLE NOISE CRITERIA NOT IN CONTRACT NOT TO SCALE OUTSIDE AIR OPPOSED BLADE DAMPER OVERFLOW ROOF DRAIN PHASE (ELECTRICAL) POLYVINYL CHLORIDE RETURN AIR ROOF DRAIN RECESSED RELIEF RELATIVE HUMIDITY ROOM REVOLUTIONS PER MINUTE SUPPLY AIR SANITARY SMOKE DAMPER SQUARE FEET STATIC PRESSURE SPECIFICATION STORM STANDARD TEMPERATURE DIFFERENCE TOTAL STATIC PRESSURE TYPICAL VOLTS VARIABLE FREQUENCY DRIVE VARIABLE SPEED DRIVE VOLUME VENT THROUGH ROOF WATTS WITH WITHOUT WATER CLOSET WALL CLEANOUT WEIGHT	DUCTWORK 	SUPPLY DUCT UP 	SUPPLY DUCT DOWN 	SUPPLY DUCT UP THROUGH ROOF 	RETURN/RELIEF DUCT UP 	RETURN/RELIEF DUCT DOWN 	RETURN/RELIEF DUCT UP THROUGH ROOF 	EXHAUST DUCT UP 	EXHAUST DUCT DOWN 	EXHAUST DUCT UP THROUGH ROOF 	MANUAL VOLUME DAMPER 	MOTORIZED DAMPER 	REMOTELY ACCESSIBLE VOLUME DAMPER 	FIRE DAMPER W/ACCESS PANEL 	FIRE/SMOKE DAMPER W/ACCESS PANEL 	SMOKE DAMPER W/ACCESS PANEL 	DUCT RISE (OR DROP) 	EXISTING DUCTWORK TO REMAIN 	EXISTING DUCTWORK TO BE REMOVED 	SUPPLY AIR TERMINAL 	RETURN/EXHAUST/TRANSFER AIR TERMINAL 	VAV BOX 	ACCESS PANEL 	THERMOSTAT TEMPERATURE SENSOR SMOKE DETECTOR CO2 SENSOR 	LONG RADIUS ELBOW 	SHORT RADIUS ELBOW WITH VANES 	DIFFUSER TYPE NECK SIZE AIRFLOW QUANTITY xxx (X)
EQUIPMENT TAGS						MISC. SYMBOL LEGEND																								
ACCU AHU AHUP BP CDWP CEF CHWP CP CPR CRP CUH DHC ECH EF EHC ES EUH EWC EWH FOU FPB GWH	AIR COOLED CONDENSING UNIT AIR HANDLING UNIT AIR HANDLING UNIT PUMP BOOSTER PUMP CONDENSER WATER PUMP CEILING EXHAUST FAN CHILLED WATER PUMP CIRCULATING PUMP CONDENSATE PUMP AND RECEIVER CONDENSATE RETURN PUMP CABINET UNIT HEATER DUCT HEATING COIL ELECTRIC CABINET HEATER EXHAUST FAN ELECTRIC HEATING COIL ELECTRONIC SENSOR ELECTRIC UNIT HEATER ELECTRIC WATER COOLER ELECTRIC WATER HEATER FAN COIL UNIT FAN POWERED VARIABLE AIR VOLUME BOX GAS WATER HEATER	HU HUH HWP IH MAU PCWP PHWP PRV REF RF RH RTU SCWP SHWP SEP SP TF USF VAV VUH WS	HUMIDIFIER HORIZONTAL UNIT HEATER HEATING WATER PUMP INTAKE HOOD MAKE-UP AIR UNIT PRIMARY CHILLED WATER PUMP PRIMARY HEATING WATER PUMP POWER ROOF VENTILATOR RELIEF EXHAUST FAN RETURN FAN RELIEF HOOD ROOFTOP UNIT SECONDARY CHILLED WATER PUMP SECONDARY HEATING WATER PUMP SEWAGE EJECTOR PUMP SUMP PUMP TRANSFER FAN UTILITY SET FAN VARIABLE AIR VOLUME BOX VERTICAL UNIT HEATER WATER SOFTENER																											



1 TYP. DIFFUSER/DUCT CONNECTIONS
NO SCALE DUCT MOUNT DIFFUSER



2 V.A.V. BOX
NO SCALE



1	5-21-2019	REV#1 INTERNAL REV.
NO.	DATE	DESCRIPTION

DATE: 05-18-2019

JOB NO: R19-3417.003

DRAWN: KMH

CHECKED: LAK/RL

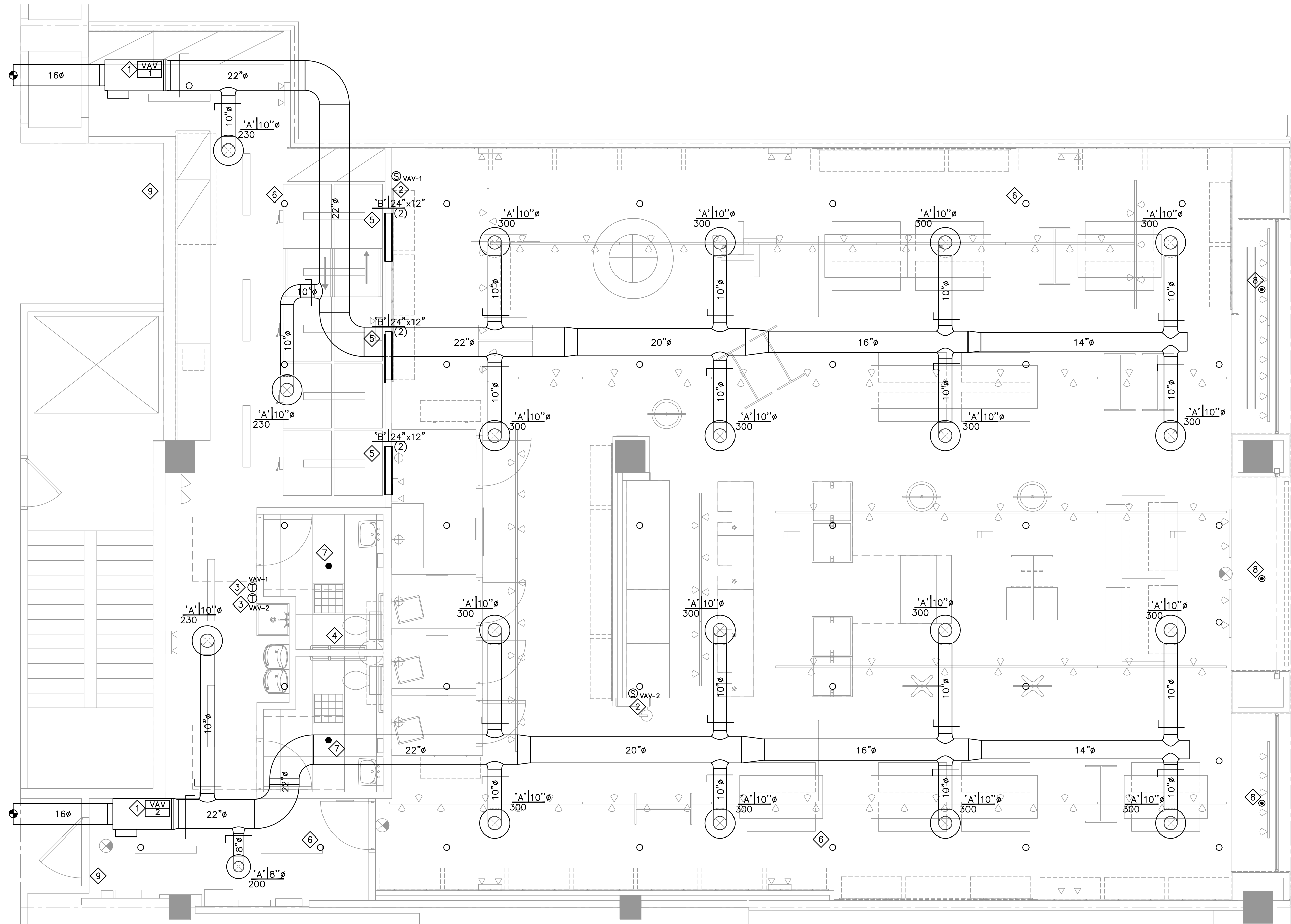
MECHANICAL
TITLE SHEET
AND DETAILS

SHEET NUMBER

M-000.00

GENERAL NOTES

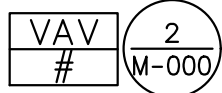
- A. THE MECHANICAL CONTRACTOR IS REQUIRED TO PROVIDE AS PART OF BASE BID A SERVICE CONTRACT INCLUDING CHANGING OF FILTER UPON CONSTRUCTION COMPLETION, MONTHLY FILTER CHANGES AND CLEANING AND MAINTENANCE FOR A PERIOD OF 1 YEAR FROM TURNOVER OF SPACE. PROVIDE WARRANTY FOR EQUIPMENT FOR ONE YEAR.
- B. COORDINATE LOCATIONS OF DIFFUSER GRILLES W/ARCH REFLECTED CEILING PLAN.
- C. SUBMIT COPIES OF TEST & BALANCE REPORT TO LANDLORD, OWNER & ENGINEER.
- D. ADJUST DISCHARGE PATTERN OF THE DIFFUSER FOR A VERTICAL FLOW.
- E. REMOVE ALL EXISTING FIRE SPRINKLER HEADS AND DROP LEGS. PROVIDE NEW HEADS OF TYPE SHOWN. REWORK BRANCHES AND MAINS AS REQUIRED FOR NEW ELEVATION. HEADS TO BE UPRIGHT, SEMI-RECESSED OR FULLY RECESSED. FULLY RECESSED TO BE PROVIDED WITH WHITE COVERS UNLESS OTHERWISE NOTED. FIRE PROTECTION WORK TO BE PROVIDED BY LANDLORD APPROVED CONTRACTOR. SEE SPRINKLER PLANS FOR MORE INFORMATION.
- F. CONTRACTOR SHALL COMPLETELY REMOVE FROM THE PREMISES ALL EQUIPMENT, PIPING, DUCTWORK, DIFFUSERS, GRILLES, CONTROLS, CONTROL WIRING, ETC. AND ALL ASSOCIATED SUPPORTS, BRACING, PADS, ETC. NOT BEING REUSED OR SHOWN ON TO REMAIN WHETHER IN THE DEMISED SPACE, ON THE ROOF OR OTHERWISE LOCATED OUTSIDE OF THE DEMISED SPACE. DO NOT ABANDON. REFER TO ARCHITECTURAL DEMOLITION PLANS.
- G. DIFFUSER RUNOUT EQUAL TO DIFFUSER CONNECTION UNLESS OTHERWISE SPECIFIED.
- H. SPRINKLER HEADS ALONG PERIMETER TO BE ADJUSTED TO FIXTURE HEIGHTS. COORDINATE IN FIELD. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAIL. SEE SPRINKLER PLANS FOR MORE INFORMATION.
- I. SPRINKLER HEAD LOCATIONS ARE FOR REFERENCE ONLY. THE FINAL LOCATIONS NEED TO BE INSTALLED PER CODE AND ARE THE RESPONSIBILITY OF THE CONTRACTOR WHO INSTALLS.
- J. REFER TO ARCHITECTURAL PLANS FOR CEILING HEIGHTS.
- K. HVAC SUBSTITUTIONS SHALL BE SUBMITTED AT TIME OF BID. SEE MECHANICAL SPECIFICATIONS FOR SUBSTITUTION REQUIREMENTS.
- L. ALL SPRINKLER BRANCH LINES & MAINS MUST BE RAISED ABOVE THE SPECIFIED CEILING/BULKHEAD/COVE HEIGHTS AT G.C.'S EXPENSE.
- M. BOTTOM OF DUCTWORK SHALL BE A MINIMUM OF 13'-6" A.F.F. G.C. TO FIELD. VERIFY EXACT CONDITIONS (DRAWINGS MAY NOT SHOW EVERY RISE AND OFFSET REQUIRED FOR THE WORK). G.C. IS RESPONSIBLE AT THEIR OWN EXPENSE TO INSTALL PIPING AND DUCTWORK TO ACCOMMODATE THE BUILDING STRUCTURE AND WORK OF ALL OTHER TRADES AND WITH ALL REQUIRED OFFSETS WHILE MAINTAINING MINIMUM DUCT HEIGHT AND DIFFUSER MOUNTING HEIGHT REQUIREMENT. NOTIFY THE AEROPOSTALE PROJECT MANAGER IMMEDIATELY IF A HEIGHT CANNOT BE ACHIEVED.
- N. DRAWINGS MAY NOT SHOW EVERY RISE AND OFFSET REQUIRED FOR THE WORK. INSTALL PIPING AND DUCTWORK TO ACCOMMODATE THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES, WITH ALL REQUIRED OFFSETS AND WITHOUT EXTRA COST TO THE OWNER.



1 HVAC PLAN

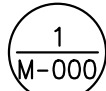
1/4" = 1'-0"

VARIABLE AIR VOLUME BOX



UNIT TAG	VAV-1	VAV-2	
AREA SERVED	SALES/STOCK AREA	SALES/STOCK AREA	
MANUFACTURER	TITUS	TITUS	
MODEL NUMBER	DESV016	DESV016	
MAXIMUM CFM	2860	2830	
MINIMUM CFM	1150	1140	
INLET DUCT SIZE	16"ø	16"ø	
NC @ 0.5" SP	22	22	
APD	0.18	0.17	
ELECTRIC HEATING COIL			
KW	10	10	
EAT/LAT	60/87.5	60/87.7	
CONTROL STEPS	SCR (MODULATING)	SCR (MODULATING)	
V-PH-CY	208/3/60	208/3/60	
ELECTRICAL			
V-PH-CY	208/3/60	208/3/60	
DISCONNECT	DIV. 16	DIV. 16	
REMARKS	-	-	

GRILLE AND DIFFUSER SCHEDULE



TYPE	A	B		
ITEM	SUPPLY	TRANSFER		
DESCRIPTION	DUCT MOUNT	SURFACE MOUNT		
MANUFACTURER	TITUS	TITUS		
MODEL NUMBER	TMRA	350RL		
REMARKS	STD. WHITE FINISH WITH OPPOSED BLADE DAMPER	PAINTABLE FINISH TO MATCH P-1, REFER TO ARCH.		

KEY NOTES

1. REPLACE EXISTING VAV WITH NEW VAV PROVIDED BY TENANT CONTRACTOR. CONNECT INTO EXISTING LANDLORD SUPPLY DUCTWORK. FIELD VERIFY EXACT LOCATION OF EXISTING SUPPLY DUCTWORK. VERIFY APPROVED LOCATION OF UNIT WITH LANDLORD. NOTIFY LAMI GRUBB MANAGEMENT IF ANY DISCREPANCIES.
2. PROVIDE REMOTE TEMPERATURE SENSOR FOR VAV CONTROL MOUNTED AT 4'-0" A.F.F. REFER TO SPEC 15906. IF CASHWRAP WALL IS NOT CONTINUOUS TO CEILING, ROUTE SENSOR WIRING IN CONDUIT IN FLOOR TRENCH.
3. PROVIDE HONEYWELL T7984C 1053, OR APPROVED EQUAL, ELECTRONIC MODULATING CONTROL THERMOSTAT FOR EACH UNIT. MOUNT THERMOSTAT AT 4'-0" A.F.F.
4. LANDLORD PROVIDED EXHAUST AND PLUMBING FIXTURES. CLEAN OFF CONSTRUCTION DEBRIS.
5. PROVIDE TRANSFER GRILLE AS HIGH AS POSSIBLE ON BOTH STOCK AND SALES SIDE OF WALL.
6. UPRIGHT SPRINKLER HEAD MOUNTED IN AREAS WITH NO CEILING (TYPICAL).
7. SEMI-RECESSED SPRINKLER HEAD MOUNTED IN TOILET ROOM CEILING (TYPICAL).
8. FULLY RECESSED SPRINKLER HEAD MOUNTED IN CEILING. G.C. SHALL PROVIDE WHITE COVER (TYPICAL).
9. MAINTAIN EXISTING RETURN PATH TO RETURN CORRIDOR (TYPICAL).

AÉROPOSTALE

#99

KINGS PLAZA
SPACE 2248
5100 KINGS PLAZA
BROOKLYN, NY
11234



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1 5-21-2019 REV#1 INTERNAL REV.

NO. DATE DESCRIPTION

DATE: 05-18-2019

JOB NO: R19-3417.003

DRAWN: KMH

CHECKED: LAK/RL

HVAC
PLAN

SHEET NUMBER

M-100.00

KINGS PLAZA
SPACE 2248
5100 KINGS PLAZA
BROOKLYN, NY
11234



HALLBERG ENGINEERING
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1428 Forbes Ave., Suite 400 Pittsburgh, PA 15219
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1	5-21-2019	REV#1 INTERNAL REV.
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NO.	DATE	DESCRIPTION
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DATE: 05-18-2019

JOB NO: R19-3417.003

DRAWN: KMH

CHECKED: LAK/RL

MECHANICAL
SPECIFICATIONS

SHEET NUMBER

M-200.00

15010 GENERAL PROVISIONS

- A. FURNISHING LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED AS SHOWN ON THE DRAWINGS AND SPECIFIED IN DIVISION 15.
- B. ALL WORK SHALL BE COMPLETE AND SHALL BE LEFT IN OPERATING CONDITION.
- C. INCLUDE ALL PARTS AND LABOR WHICH ARE INCIDENTAL AND NECESSARY FOR A COMPLETE AND OPERABLE INSTALLATION EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS.
- D. ARRANGE WITH APPROPRIATE UTILITY COMPANIES TO PROVIDE TEMPORARY AND PERMANENT UTILITY SERVICES AS REQUIRED AND COORDINATE THEIR INSTALLATION WITH CONSTRUCTION PROGRESS OF THIS PROJECT. PAY ALL FEES AND COSTS CHARGED BY UTILITY COMPANIES FOR UTILITY SERVICES.
- E. OBTAIN ALL TEMPORARY AND PERMANENT PERMITS AND LICENSES REQUIRED IN CONNECTION WITH THIS DIVISION'S WORK. PAY ALL FEES AND EXPENSES REQUIRED FOR SUCH PERMITS AND LICENSES.
- F. REQUEST INSPECTIONS AS REQUIRED BY REGULATING AGENCIES AND/OR REGULATIONS. PAY ALL CHARGES FOR INSPECTIONS BY REGULATING AGENCIES OF INSTALLATIONS OF PLANS SPECIFICATIONS.
- G. PROVIDE THE OWNER WITH A CERTIFICATE OF FINAL INSPECTION AND APPROVAL BY ENFORCEMENT AUTHORITIES.
- H. MEET OR EXCEED ALL CURRENT APPLICABLE CODES, ORDINANCES AND REGULATIONS FOR ALL INSTALLATIONS. PROMPTLY NOTIFY THE ENGINEER, IN WRITING, IF THE CONTRACT DOCUMENTS APPEAR TO CONFLICT WITH GOVERNING CODES AND REGULATIONS. CONTRACTOR ASSUMES ALL RESPONSIBILITY AND COSTS FOR CORRECTING NON-COMPLYING WORK INSTALLED WITHOUT NOTIFYING THE ENGINEER.
- I. HIGHER QUALITY OF WORKMANSHIP AND MATERIALS INDICATED IN THE CONTRACT DOCUMENTS TAKES PRECEDENCE OVER THAT ALLOWED IN REFERENCED CODES AND STANDARDS.
- J. FURNISH: TO OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, DELIVER TO THE JOB SITE IN NEW CONDITION READY FOR INSTALLATION, UNLOAD AND UNPACK, AND GUARANTEE. INSTALL: TO RECEIVE AT THE JOB SITE, STORE, ASSEMBLE, ERECT, SET IN PLACE, ANCHOR, APPLY, FINISH, PROTECT, CLEAN, TEST, START-UP, AND MAKE READY FOR OWNER'S USE.
- L. PROVIDE: TO FURNISH AND INSTALL.
- M. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONAL DIFFERENCES, WEIGHTS, ELECTRICAL REQUIREMENTS AND ANY OTHER RESULTING CHANGES, WHEN USING EQUIPMENT OTHER THAN THAT SCHEDULED ON THE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL COSTS INCURRED AS A RESULT OF SUBSTITUTIONS.
- N. BEFORE SUBMITTING A PROPOSAL ON THE WORK CONTEMPLATED, EXAMINE THE SITE OF THE PROPOSED WORK AND BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS AND LIMITATIONS. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF MISUNDERSTANDING AS TO THE AMOUNT OF WORK INVOLVED NOR BIDDERS LACK OF KNOWLEDGE OF EXISTING CONDITIONS WHICH COULD HAVE BEEN DISCOVERED OR REASONABLY ANTICIPATED PRIOR TO BIDDING.
- O. MECHANICAL EQUIPMENT AND SYSTEMS SHOWN ON THE DRAWINGS AS EXISTING, HAVE BEEN BASED ON EXISTING PLANS, AND MAY NOT BE INSTALLED AS ORIGINALLY SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND MAKE EXACT DETERMINATION OF THE EXISTENCE, LOCATION AND CONDITION OF SUCH FACILITIES PRIOR TO SUBMITTING A BID.
- P. CONSULT THE DRAWINGS AND SPECIFICATIONS OF DIVISION 16 AND OTHER TRADES FOR CORRELATING INFORMATION AND LAY OUT WORK SO THAT IT WILL COORDINATE WITH OTHER TRADES. VERIFY DIMENSIONS AND CONDITIONS (I.E., FINISHED CEILING HEIGHTS, FOOTING AND FOUNDATION ELEVATIONS, BEAM DEPTHS, ETC.) WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- Q. DRAWINGS MAY NOT SHOW EVERY RISE AND OFFSET REQUIRED FOR THE WORK. INSTALL PIPING AND EQUIPMENT TO THE WORKING SURFACE OF THE BUILDING AND THE WORK OF OTHER TRADES, WITH ALL REQUIRED OFFSETS AND WITHOUT EXTRA COST TO THE OWNER.
- R. OBTAIN EXACT LOCATION OF CONNECTION TO EQUIPMENT, FURNISHED BY OTHERS, FROM THE PERSON FURNISHING THE EQUIPMENT.
- S. GUARANTEE AND MAINTAIN THE STABILITY OF WORK AND MATERIALS AND KEEP SAME IN PERFECT REPAIR AND CONDITION FOR THE PERIOD OF ONE (1) YEAR AFTER THE FINAL COMPLETION OF THE WORK AS EVIDENCED BY ISSUANCE OF THE FINAL CERTIFICATE BY THE ARCHITECT.
- T. DEFECTS OF ANY KIND DUE TO FAULTY WORK OR MATERIALS APPEARING DURING THE ABOVE MENTIONED PERIOD MUST BE IMMEDIATELY MADE GOOD BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE ENTIRE SATISFACTION OF THE OWNER AND ARCHITECT AND ENGINEER. INCLUDE DAMAGE TO THE FINISH OR THE BUILDING RESULTING FROM THE ORIGINAL DEFECT OR REPAIRS.
- U. MAGNETIC STARTERS, DISCONNECTS, AND POWER WIRING PROVIDED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE SPECIFIED.
- V. CONTROL AND INTERLOCK WIRING PROVIDED BY THE MECHANICAL CONTRACTOR, UNLESS OTHERWISE SPECIFIED.
- W. PROVIDE ONLY PRODUCTS FROM MANUFACTURER'S WITH LOCAL REPRESENTATION THAT CAN PROVIDE COMPLETE COVERAGE, PARTS AND LABOR, FOR REPLACEMENT AND SERVICE OF THEIR PRODUCTS. PROVIDE ONLY EQUIPMENT THAT WILL FIT IN THE SPACE AVAILABLE AND BE COMPLETELY SERVICEABLE. BRING ANY CONFLICTS TO THE ENGINEER'S ATTENTION PRIOR TO ORDERING THE EQUIPMENT.
- X. COORDINATE/SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE ANY DISRUPTIONS. CONFINE ALL INTERRUPTIONS TO THE SMALLEST POSSIBLE AREA. PROVIDE TEMPORARY CONNECTIONS IF REQUIRED TO PROVIDE CONTINUITY OF SERVICE.
- Y. INSPECT ALL AREAS AFFECTED BY THE INTERRUPTIONS AND RETURN ALL AUTOMATICALLY CONTROLLED EQUIPMENT, ELECTRICALLY OPERATED EQUIPMENT TO THE SAME OPERATING CONDITION PRIOR TO THE INTERRUPTION.
- Z. NO FIRE SPRINKLER OR FIRE ALARM SYSTEMS ARE TO REMAIN INACTIVE AT THE END OF THE WORK DAY. ASSURE THAT THE FIRE SPRINKLER OR FIRE ALARM SYSTEM IS OPERATIONAL AT THE END OF EACH WORK DAY. COORDINATE WITH THE OWNER.
- AA. PROVIDE NEW MATERIAL AND EQUIPMENT, UNLESS NOTED OTHERWISE. PROTECT EQUIPMENT AND MATERIAL FROM DAMAGE, DIRT AND THE WEATHER.
- AB. PROVIDE THE HIGHEST QUALITY WORKMANSHIP AND PERFORM ALL WORK ONLY BY SKILLED MECHANICS. INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, INSTRUCTIONS AND CURRENT STANDARDS.
- AC. THE ENGINEER RESERVES THE RIGHT TO REJECT MATERIAL OR WORKMANSHIP NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, BEFORE OR AFTER INSTALLATION.
- AD. ALL PIPING AND DUCTWORK SHALL BE RUN IN THE MOST DIRECT AND STRAIGHT MANNER POSSIBLE MAINTAINING PROPER GRADING.
- AE. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT MOST PIPING AND DUCTWORK BE CONCEALED, WHERE EXPOSED, RUN AS CLOSE TO CEILING AND/OR WALL AS POSSIBLE PARALLEL WITH ADJACENT STRUCTURAL OR ARCHITECTURAL ELEMENTS.
- AF. DO NOT INSTALL PIPING OR DUCTWORK IN ANY SWITCHGEAR, TRANSFORMER, ELEVATOR EQUIPMENT, TELEPHONE, OR ELECTRICAL EQUIPMENT ROOM, UNLESS IT IS A BRANCH SERVING THAT ROOM.
- AG. DO NOT INSTALL PIPING OR DUCTWORK ABOVE SWITCHBOARDS, PANELBOARDS, CONTROL PANELS, MOTOR CONTROL CENTERS, ETC.
- AH. ARRANGE WORK TO FACILITATE MAINTENANCE, REPAIR OR REPLACEMENT OF EQUIPMENT. PROVIDE ACCESS FOR DEVICES THAT REQUIRE MAINTENANCE. FOR CONCEALED DEVICES, VERIFY THAT ACCESS PANELS ARE PROPERLY LOCATED AND LABELED.
- AI. INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- AJ. PERFORM ALL CUTTING AND PATCHING NECESSARY TO WORK, UNLESS SPECIFICALLY DELEGATED TO THE GENERAL CONTRACTOR. OBTAIN SPECIAL PERMISSION FROM THE STRUCTURAL ENGINEER BEFORE CUTTING STRUCTURAL MEMBERS OR FINISHED MATERIAL. PERFORM ALL PATCHING IN SUCH A MANNER AS TO LEAVE NO VISIBLE TRACE AND RETURN THE AREA AFFECTED TO THE CONDITION OF UNDISTURBED WORK. PERFORM ALL PATCHING BY WORKERS EXPERIENCED, SKILLED, AND LICENSED FOR THE PARTICULAR TYPE OF WORK INVOLVED. INFERIOR WORK WILL NOT BE ACCEPTED.
- AK. PATCH ALL HOLES LEFT AS A RESULT OF DEMOLITION OF MECHANICAL EQUIPMENT AND DEVICES.
- AL. DRILL ALL HOLES IN MASONRY WITH ROTARY DRILL. IMPACT TOOLS ARE NOT ALLOWED. CORE DRILL ALL HOLES IN MASONRY AND CONCRETE FOR MECHANICAL PENETRATIONS. PROVIDE AND DISPOSE OF ALL WATER REQUIRED FOR CORE DRILLING. COORDINATE WITH OTHER TRADES TO PREVENT DAMAGE FROM WATER.
- AM. PREVENT THE SPREAD OF DUST, DEBRIS, AND OTHER MATERIAL INTO ADJACENT AREAS.
- AN. REPLACE ALL CEILING TILES DAMAGED DURING INSTALLATION OF WORK, WITH NEW TILE.
- AO. REFINISH ALL MECHANICAL EQUIPMENT DAMAGED DURING SHIPPING AND/OR INSTALLATION TO ITS ORIGINAL CONDITION. REMOVE ALL RUST, PRIME, AND PAINT PER MANUFACTURER'S RECOMMENDATIONS FOR FINISH EQUAL TO ORIGINAL.
- AP. DO NOT USE HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS PROVIDED IN THIS SCOPE OF WORK FOR TEMPORARY HEATING, VENTILATING AND AIR CONDITIONING DURING CONSTRUCTION.
- AQ. PROTECT OPENINGS AND EQUIPMENT FROM OBSTRUCTION, BREAKAGE, MISUSE, DAMAGE OR BLEMISHES. PROTECT MATERIALS AND EQUIPMENT IMMEDIATELY UPON RECEIPT AT THE JOB SITE OR IMMEDIATELY AFTER THEY HAVE BEEN REMOVED FROM THEIR SHIPPING CONTAINERS. UNLESS NOTED OTHERWISE, KEEP THEM CLEAN AND UNDAMAGED UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE OWNER. WHEN A PORTION OF THE BUILDING IS OCCUPIED BY THE OWNER BEFORE SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, MAKE ARRANGEMENTS TO TRANSFER RESPONSIBILITY FOR PROTECTION AND HOUSEKEEPING FOR THE OCCUPIED PORTION.

- AR. PROTECT PIPE, DUCT AND EQUIPMENT OPENINGS WITH TEMPORARY PLUGS OR CAPS. KEEP OPENINGS COVERED UNTIL PERMANENT CONNECTIONS ARE MADE.
- AS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO MECHANICAL EQUIPMENT, MATERIALS OR WORK UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE OWNER.
- AT. KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH, CAUSED BY HIS EMPLOYEES OR WORK, AT ALL TIMES. REMOVE RUBBISH, TOOLS, SCAFFOLDING, AND SURPLUS MATERIALS FROM AND ABOUT THE BUILDING, AND LEAVE WORK AREAS "BROOM CLEAN" OR ITS EQUIVALENT UPON COMPLETION OF THE WORK. CLEAN MECHANICAL EQUIPMENT AND REMOVE TEMPORARY IDENTIFICATION.
- AU. IN CASE OF DISPUTE, THE OWNER WILL REMOVE THE RUBBISH AND CHARGE THE COST TO THE CONTRACTOR.
- AV. BEFORE START-UP, LUBRICATE, CHARGE, AND FILL SYSTEMS AS SPECIFIED AND ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- AW. CLEAN, DISINFECT, AND TEST ALL PLUMBING AND PIPING SYSTEMS.
- AX. PERFORM TESTING, ADJUSTING AND BALANCING IN ACCORDANCE WITH THAT SECTION.
- AY. OPERATE, EQUIPMENT AND SYSTEMS IN ALL THEIR OPERATING MODES, TO VERIFY PROPER OPERATION, PRIOR TO FINAL FIELD OBSERVATION AND OWNER INSTRUCTIONS.
- AZ. ATTEND PRE-TESTING CONFERENCE AS SCHEDULED BY TESTING, ADJUSTING AND BALANCING CONTRACTOR.
- BA. PROVIDE ASSISTANCE TO TEST, ADJUSTING AND BALANCING CONTRACTOR BY MAKING ADJUSTMENTS TO SYSTEM AND SYSTEM COMPONENTS REQUIRED FOR ACHIEVING DESIGN PERFORMANCE.
- BB. IF ACCEPTABLE PERFORMANCE OF ANY TEST IS NOT ACHIEVED, MAKE THE NECESSARY CORRECTIONS AND THE TEST SHALL BE REPEATED UNTIL ACCEPTABLE PERFORMANCE IS ACHIEVED.
- BC. FULLY INSTRUCT THE OWNER'S DESIGNATED PERSONNEL IN THE OPERATION OF EACH MECHANICAL SYSTEM AT THE TIME IT IS PUT INTO SERVICE. PROVIDE INSTRUCTION USING COMPETENT INSTRUCTORS AND FACTORY TRAINED PERSONNEL.
- BD. INCLUDE DOCUMENTATION OF INSTRUCTIONS IN THE OPERATION AND MAINTENANCE MANUALS.
- BE. OBTAIN A WRITTEN STATEMENT FROM THE OWNER THAT HIS DESIGNATED PERSONNEL HAVE BEEN INSTRUCTED.
- BF. SUBMIT COMPLETED BOUND OPERATION AND MAINTENANCE MANUALS TO OWNER INCLUDING SHOP DRAWINGS, WARRANTIES, TEST REPORTS, CERTIFICATIONS, TEST AND BALANCE REPORTS, SYSTEM VALIDATION REPORTS AND RECORD DRAWINGS.

15025 DEMOLITION

- A. FURNISH LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR CUTTING, DEMOLITION, REMOVAL, PATCHING, AND RESTORATION WORK NECESSARY TO ACCOMPLISH AND COMPLETE ALL DEMOLITION, INCLUDING ANY RELOCATION OR REUSE OF EXISTING MATERIALS, EQUIPMENT, SYSTEMS, AS WELL AS THE DISPOSITION OF SALVAGED MATERIALS OR DEBRIS.
- B. ACCOMPLISH ALL WORK OF CUTTING, REMOVAL, DEMOLITION, RELOCATION, PATCHING, AND RESTORATION BY USING ONLY MECHANICS SKILLED IN THE TRADE REQUIRED. PROVIDE FOR THE SAFETY OF THE EXISTING BUILDING AND PERSONNEL, AS WELL AS FOR NEW CONSTRUCTION AS A RESULT OF WORK, PROCEDURES, OPERATIONS OR ACTIVITIES UNDER THIS CONTRACT.
- C. WHERE THE WORK OF REMOVALS, DEMOLITION, CUTTING AND SIMILAR WORK INVOLVES STRUCTURAL CONSIDERATIONS, CONSULT WITH STRUCTURAL ENGINEER. EXERCISE EXTREME CARE TO AVOID DAMAGE AND PRESERVE THE SAFETY OF THE STRUCTURE AND OF ALL PERSONNEL. PARTICULAR CARE MUST BE TAKEN WHERE THE DEMOLITION OR REMOVALS OCCUR ADJACENT TO OCCUPIED AREAS.
- D. UTILIZE COMPETENT AND QUALIFIED TECHNICAL ASSISTANCE TO DEVELOP SAFE METHODS AND PROCEDURES TO ACCOMPLISH THE WORK, INCLUDING TEMPORARY SHORING AND SUPPORTS. METHODS OF REMOVAL AND OTHER CONSIDERATIONS. DESIGN AND PLACE ALL PERMANENT OR TEMPORARY SUPPORTS TO CARRY ALL LOADS DOWN TO SOUND BEARING.

15081 DUCTWORK INSULATION

- A. MATERIALS: CONFORM TO MAXIMUM FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/50 IN ACCORDANCE WITH ASTM E84, NFPA 255 AND UL 723.
- B. CONFORM TO LOCAL CODE AND ASTM STANDARDS FOR "K"VALUE, MOISTURE VAPOR TRANSMISSION, MAXIMUM MOISTURE ABSORPTION, JACKET, INSULATING CEMENT, AND ADHESIVE.
- C. INSTALL IN ACCORDANCE WITH NAIMA NATIONAL INSULATION STANDARDS.
- D. MANUFACTURER:
- GLASS FIBER (FLEXIBLE): JOHNS MANVILLE MICROLITE XG SERIES, FORMALDEHYDE-FREE. EQUIVALENT PRODUCTS: CERTAINTED, KNAUF, OWENS-CORNING.
 - GLASS FIBER (RIGID): JOHNS MANVILLE MANVILLE 800 SERIES SPIN-GLAS. EQUIVALENT PRODUCTS: CERTAINTED, KNAUF, OWENS-CORNING.
- E. EXHAUST AND RELIEF AIR DUCTS WITHIN 10 FT OF EXTERIOR OPENINGS: FLEXIBLE GLASS FIBER BLANKET - EXTERNAL: 1-1/2 INCHES THICK.
- F. SUPPLY DUCTS - UNCONDITIONED/INDIRECTLY CONDITIONED SPACE: FLEXIBLE GLASS FIBER BLANKET - EXTERNAL: MIN. INSTALLED R-4.2.
- G. SUPPLY DUCTS - DIRECTLY CONDITIONED SPACE: NONE REQUIRED.
- H. TRANSFER DUCTS: FLEXIBLE GLASS FIBER DUCT LINER: 1/2 INCH THICK.
- I. RETURN DUCTS (FROM HVAC UNIT TO 3' AFTER FIRST CHANGE IN DUCT DIRECTION FOR SOUND ATTENUATION): FLEXIBLE GLASS FIBER DUCT LINER: 1/2 INCH THICK.
- J. INSULATION THICKNESS SHALL BE PER PER SPECIFICATION, LOCAL CODE OR ASHRAE STANDARD 90.1-2004, WHICHEVER IS MORE STRINGENT.

15325 SPRINKLER SYSTEMS

- A. CONTRACTOR SHALL DESIGN AND HYDRAULICALLY CALCULATE THE NEW AND RENOVATION OF EXISTING PIPING SYSTEMS, INCLUDING LOCATION OF ALL VALVES, DEVICES, AND SPRINKLER HEADS. DESIGN SPRINKLER SYSTEM PIPING BASED ON HAZARD RATING AS OF THE MOST STRINGENT OF THE REGULATING AGENCIES RESPONSIBLE FOR THIS FACILITY, INCLUDING THE OWNER INSURANCE COMPANY REQUIREMENTS AND THE GOVERNING AUTHORITIES, FM OR AS DETERMINED BY LOCAL REQUIREMENTS. PERFORM WORK IN ACCORDANCE WITH NFPA 13.
- B. SUBMIT SHOP DRAWINGS, PRODUCT DATA, AND HYDRAULIC CALCULATIONS TO AUTHORITY HAVING JURISDICTION, AND OWNER'S INSURANCE UNDERWRITER FOR APPROVAL. SUBMIT PROOF OF APPROVAL TO ARCHITECT/ENGINEER.
- C. PROVIDE EXTRA SPRINKLERS UNDER PROVISIONS OF NFPA 13.
- D. PROVIDE SUITABLE WRENCHES FOR EACH SPRINKLER TYPE.
- E. PROVIDE METAL STORAGE CABINET FOR EXTRA SPRINKLERS LOCATED ADJACENT TO THE VALVE ASSEMBLY.
- F. SPRINKLER MANUFACTURERS: AUTOMATIC SPRINKLER OF AMERICA, RELIABLE AUTOMATIC SPRINKLER COMPANY, STAR SPRINKLER COMPANY, VIKING CORPORATION.
- G. WATER FLOW SWITCH: VANE TYPE SWITCH FOR MOUNTING HORIZONTAL OR VERTICAL, WITH TWO CONTACTS; RATED 10 AMP AT 125 VOLT AC AND 2.5 AMP AT 24 VOLT DC.
- H. INSTALL SYSTEM IN ACCORDANCE WITH NFPA 13.
- I. INSPECTOR'S TEST CONNECTION: FOR EACH SPRINKLER SYSTEM AND FOR EACH WATERFLOW ALARM DEVICE, WHERE MULTIPLE DEVICES OCCUR, PROVIDE AN INSPECTOR'S TEST ASSEMBLY. PROVIDE A FLOW SWITCH FOR EACH SYSTEM. SET RETARD ON FLOW SWITCHES TO 30 SECONDS OR AS REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION.
- K. EXISTING FIRE PROTECTION SYSTEMS:
- IN BUILDINGS WITH EXISTING FIRE PROTECTION SYSTEMS, THE CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK WITH THE OWNER TO MINIMIZE DISRUPTION OF THAT SYSTEM.
 - NO FIRE PROTECTION SYSTEM IS TO REMAIN DEACTIVATED AT THE END OF THE WORK DAY UNLESS AGREED TO WITH THE PROPERTY OWNER, AND A SUITABLE FIRE PROTECTION SCHEME SUCH AS A MANNED FIRE WATCH, HAS BEEN IMPLEMENTED AND APPROVED BY THE OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL FIRE PROTECTION SYSTEMS ARE FILLED, AND THE SYSTEM FUNCTIONAL BEFORE COMPLETING HIS WORK DAY.
- L. CENTER SPRINKLERS IN ONE DIRECTION ONLY IN CEILING TILE WITH LOCATION IN OTHER DIRECTION VARIABLE, DEPENDENT UPON SPACING AND COORDINATION WITH CEILING ELEMENTS.
- M. ENSURE REQUIRED DEVICES ARE INSTALLED AND CONNECTED AS REQUIRED TO FIRE ALARM SYSTEM.
- N. COORDINATE PIPING WITH STRUCTURAL, MECHANICAL PIPING AND DUCTWORK, AND ELECTRICAL WITHIN THE BUILDING. PIPING CONFLICTS BETWEEN SYSTEM SHALL BE REMOVED AND REPLACED AT NO CHARGE TO THE OWNER.
- O. CONDUCT ALL APPLICABLE TESTS AS REFERENCED IN NFPA STANDARD 13. ALL NECESSARY TESTS SHALL BE CONDUCTED IN CONFORMANCE WITH REQUIREMENTS OF NFPA.
- P. WIRING FOR FLOW SWITCHES, VALVE SUPERVISORY SWITCHES, SUPERVISORY PRESSURE SWITCHES, AND POWER TO AIR COMPRESSORS WILL BE PROVIDED UNDER DIVISION 16.
- Q. COORDINATE LOCATION OF THESE DEVICES WITH THE ELECTRICAL CONTRACTOR.
- R. SPRINKLER HEAD LOCATIONS ARE FOR REFERENCE ONLY. THE FINAL LOCATIONS NEED TO BE INSTALLED PER CODE AND ARE THE RESPONSIBILITY OF THE CONTRACTOR WHO INSTALLS.
- S. IF REQUIRED, SPRINKLER HEAD IN STOREFRONT BREAK METAL SHALL MATCH MT-1 FINISH.
- S. IF REQUIRED, SPRINKLER HEAD IN FEATURE WALL SHALL BE BEIGE/TAN TO MATCH FIXTURE.

15810 DUCTWORK

- A. PERFORM WORK IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED IN LOCAL CODES.
- B. GALVANIZED STEEL DUCTS: ASTM A653 GALVANIZED STEEL SHEET, LOCK_FORMING QUALITY, HAVING G80 ZINC COATING OF IN CONFORMANCE WITH ASTM A90.
- C. INSULATED FLEXIBLE DUCTS:
- MANUFACTURERS: FLEX-AIRE, FLEXMASTER, NORFLEX, THERMAFLEX, WIREMOLD.
 2. TWO PLY VINYL FILM SUPPORTED BY HELICALLY WOUND SPRING STEEL WIRE; FIBERGLASS INSULATION; POLYETHYLENE VAPOR BARRIER FILM. PRESSURE RATING: 10 INCHES WG POSITIVE AND 1.0 INCHES WG NEGATIVE. MAXIMUM VELOCITY: 4000 FPM. TEMPERATURE RANGE: -110 DEGREES F TO 160 DEGREES F.
- D. FIBERGLASS DUCT BOARD IS NOT ALLOWED.
- E. FABRICATE AND SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED IN LOCAL CODES.
- F. INSTALLATION - GENERAL:
- INSTALL AND SEAL DUCTS IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED IN LOCAL CODES.
 - SUPPORT DUCTWORK IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, CHAPTER 4, HANGERS AND SUPPORTS.
 - PROVIDE FIRESTOP SYSTEMS FOR PIPE AND DUCT THROUGH-PENETRATIONS OF THE FOLLOWING FIRE-RESISTANCE-RATED ASSEMBLIES, INCLUDING BOTH EMPTY OPENINGS AND OPENINGS CONTAINING PENETRATING ITEMS: FLOOR AND CEILINGS, WALLS AND PARTITIONS, SMOKE BARRIERS, AND CONSTRUCTION ENCLOSED COMPARTMENTALIZED AREAS.
 - DUCT HANGERS SHALL NOT ATTACH TO BOTTOM CHORD OF STEEL JOIST OR METAL ROOF DECKING. ATTACH TO TOP CHORD OF STEEL JOIST.
 - CONNECT DIFFUSERS OR LIGHT TROFFER BOOTS TO LOW PRESSURE DUCTS DIRECTLY OR WITH 5 FEET MAXIMUM LENGTH OF FLEXIBLE DUCT HELD IN PLACE WITH STRAP OR CLAMP.
- G. PROTECTION: DURING CONSTRUCTION, PROVIDE TEMPORARY CLOSURES OF METAL OR TAPED POLYETHYLENE ON OPEN DUCTWORK TO PREVENT CONSTRUCTION DUST FROM ENTERING DUCTWORK SYSTEM.
- H. CLEANING:
- CLEAN DUCT SYSTEM AND FORCE AIR AT HIGH VELOCITY THROUGH DUCT TO REMOVE ACCUMULATED DUST. TO OBTAIN SUFFICIENT AIR, CLEAN HALF THE SYSTEM AT A TIME. PROTECT EQUIPMENT WHICH MAY BE HARMED BY EXCESSIVE DIRT WITH TEMPORARY FILTERS, OR BYPASS DURING CLEANING.
 - CLEAN DUCT SYSTEMS WITH HIGH POWER VACUUM MACHINES. PROTECT EQUIPMENT WHICH MAY BE HARMED BY EXCESSIVE DIRT WITH FILTERS, OR BYPASS DURING CLEANING.

15820 DUCTWORK ACCESSORIES

- A. BALANCING DAMPERS: AIR BALANCE, CESCO, GREENHECK, NALOR, POTTORFF, PREFCO, RUSKIN, SAFE-AIR. PROVIDE MANUAL, SINGLE OR MULTIBLADE DAMPERS, AS INDICATED AND AS CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS.
- B. DAMPERS SHALL HAVE RIGID: 2-IN. X 1/2-IN. X 10 GAUGE CHANNEL FRAMES, BALL OR BRONZE SLEEVE BEARINGS, 1/2-IN. POLISHED STEEL AXLES, 18-GAUGE, REINFORCED, FELT-EDGED BLADES (NOT OVER 8-IN. WIDE) AND STOP FRAMES AROUND THE ENTIRE PERIMETER. VOLUME DAMPERS IN DUCTS LARGER THAN 12-IN. X 6 IN. SHALL BE THE OPPOSED BLADE TYPE. DAMPERS IN ROUND DUCTS AND DUCTS 12-IN. X 6-IN. AND SMALLER SHALL BE BUTTERFLY TYPE. ROUND BUTTERFLY TYPE VOLUME DAMPERS SHALL BE 30 GAUGE, GALVANIZED STEEL THROUGH 12-IN. DIAMETER; 28 GAUGE FOR ABOVE 12-IN.
- C. ALL DAMPERS SHALL BE EQUIPPED WITH STANDARD QUADRANTS OF SUITABLE SIZE IN EQUIPMENT ROOMS/AREAS AND YOUNG #301A, OR EQUAL, RECESSED-TYPE IN FINISHED AREAS. PROVIDE QUADRANT LOCKING DEVICE FOR EACH DAMPER ON ONE END OF THE SHAFT AND AN END BEARING PLATE ON THE OTHER END FOR DAMPER LENGTHS OVER 12-IN. PROVIDE EXTENDED QUADRANT LOCKS AND EXTENDED BEARING PLATES FOR EXTERNALLY INSULATED DUCTWORK. APPROVED MANUFACTURERS ARE VENTIFABRICS AND YOUNG REGULATOR.
3. DAMPERS SHALL BE COATED WITH RED ZINC CHROMATE PRIMER OVER A BOND COAT.
4. VOLUME DAMPERS, SPLITTERS AND DEFLECTORS SHALL BE PROVIDED IN ALL DUCTS TO PERMIT ACCURATE BALANCING OF THE SYSTEM. THE DAMPERS, SPLITTERS AND DEFLECTORS SHALL BE ADJUSTED TO SATISFY THE HEATING AND VENTILATING REQUIREMENTS OF THE CONDITIONED SPACE AND LOCKED IN PLACE.
- B. INSTALL ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, NFPA 90A, AND FOLLOW SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
- C. INSTALL CONTROL DAMPERS FURNISHED IN SECTION 15096.
- D. PROVIDE OUTSIDE AIR INTAKE DAMPER THAT CLOSSES THAT CLOSSES AUTOMATICALLY UPON FAN SHUTDOWN.
- E. PROVIDE BACKDRAFT DAMPERS ON EXHAUST FANS OR EXHAUST DUCTS NEAREST TO OUTSIDE AND WHERE INDICATED.

15830 FANS

- A. MANUFACTURERS: GREENHECK, COOK, TWIN CITY FAN.
- B. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

15840 VARIABLE AIR VOLUME (VAV) BOX

- A. AEROPOSTALE HAS A NATIONAL ACCOUNT WITH TRANE.
- B. MANUFACTURER SUBSTITUTIONS:
- THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, WITH HIS BID QUOTATION, A LIST OF ANY PROPOSED SUBSTITUTIONS OF MATERIALS AND EQUIPMENT FOR THOSE ON WHICH THE ORIGINAL DESIGN MATERIALS ARE BASED. ACCEPTABLE MANUFACTURERS INCLUDE, TRANE, TITUS, ENVIRO-TEC, PRICE, ANEMOSTAT, KRUEGER, NALOR & METAL-AIRE. A FULL DESCRIPTION OF ALL PROPOSED SUBSTITUTED ITEMS, THE CHANGE TO THEIR BID PRICE OR OTHER REASONS FOR SUCH SUBSTITUTIONS SHALL ACCOMPANY THE BID. ALL ACCESSORIES, ETC., SUPPLIED WITH SUBSTITUTED MANUFACTURER'S PRODUCT SHALL ALSO BE INCLUDED IN THE BID. THE G.C. ACKNOWLEDGES THAT THE ALTERNATE UNIT WILL BE ORDERED AND RECEIVED WITHIN THE SPECIFIED TIME FRAME. IF THE SUBSTITUTION HAS AN OPERATING WEIGHT HEAVIER THAN THE ONE WHICH THE ORIGINAL DESIGN WAS BASED, THE G.C. SHALL BE RESPONSIBLE FOR EMPLOYING P.S. FROM AEROPOSTALE'S STRUCTURAL ENGINEER TO OBTAIN NECESSARY DETAILS AND CALCULATIONS AT THE G.C.'S EXPENSE.
 - IF THE CONTRACTOR DOES NOT SUBMIT PROPOSED SUBSTITUTIONS WITH THEIR BID THE OWNER SHALL CONSIDER THE BIDDER TO BE PROPOSING THE MANUFACTURERS AND MODEL NUMBERS SPECIFIED HEREIN AND SHOWN ON THE CONTRACT DRAWINGS, AND SUCH EQUIPMENT IS AVAILABLE TO MEET THE PROJECT DEADLINES AS STATED ON THE INVITATION TO BID.
 - SUBSTITUTIONS AFTER CONTRACT AWARD SHALL ONLY BE PERMITTED AT THE DISCRETION OF THE P.S. FROM AEROPOSTALE PROJECT MANAGER. ANY AND ALL COSTS ASSOCIATED WITH A SUBSTITUTION AFTER CONTRACT AWARD SHALL BE THE RESPONSIBILITY OF THE G.C. SUCH COSTS SHALL INCLUDE, BUT NOT BE LIMITED TO, EQUIPMENT, LABOR, ENGINEERING, ARCHITECTURAL FEES, PERMIT UPGRADES, STRUCTURAL, ROOFING, AMONG ANY AND ALL OTHER COSTS.
- C. CASING OF 22 GAGE ZINC COATED SHEET STEEL USING MECHANICAL LOCKING SEAMS TO FORM LEAK RESISTANT ASSEMBLY.
- D. DISCHARGE CONNECTION SLIP AND DRIVE INTEGRAL WITH BOX CASING.
- E. INTERNAL LINING:
- FOIL FACED THERMAL/ACOUSTICAL FIBER BOARD WITH ALUMINUM LAMINATE FACING, 1" THICK, DENSITY NOT LESS THAN 4-1/4 POUNDS PER CUBIC FOOT, CONFORMING TO NFPA 90A, UL 181 AND ASTM C665. ALUMINUM FACING EXPOSED TO AIR STREAM.
 - THERMAL/ACOUSTICAL GLASS FIBER WITH ALUMINUM LAMINATE FACING, 1" THICK, DENSITY NOT LESS THAN 4-1/4 POUNDS PER CUBIC FOOT, CONFORMING TO NFPA 90A, UL 181, AND ASTM C665. ALUMINUM FACING EXPOSED TO AIR STREAM.
 - THERMAL GLASS FIBER, 1" THICK, DENSITY NOT LESS THAN 1-1/2 POUNDS PER CUBIC FOOT, WITH SHEET METAL LINER COVERING THE FIBER INSULATION.
- F. DAMPER:
- SINGLE ELLIPTICAL BLADE THAT REQUIRES NOMINAL 60 DEGREE ROTATION FROM FULLY OPENED TO FULLY CLOSED POSITIONS.
 - MECHANICALLY ATTACH TO SHAFT WITH THREADED FASTENERS OR WELDED. SHAFT MUST BE CONTINUOUS, SINGLE PIECE RUNNING FULL DIAMETER OF INLET THROUGH CASING. ROTATE IN NYLON, SELF-LUBRICATING BEARINGS.
 - TEAR RESISTANT NEOPRENE LIP SEAL AROUND PERIMETER TO FORM TIGHT SEAT FOR FULL SHUT-OFF POSITION.
 - POSITION INDICATED ON END OF SHAFT ON OUTSIDE OF CASING.

- G. EXTERNAL TAPS SEPARATE FROM SENSOR OR CONTROLLER TAPS FOR FLOW ADJUSTMENT IN FIELD.
- H. IDENTIFICATION LABEL, PIPING DIAGRAM, AND FLOW CHART MOUNTED ON UNIT.
- I. SET MINIMUM CFM AT 30% OF THE MAXIMUM DESIRED CFM UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- J. MAXIMUM DISCHARGE NC OF 30 AT THE MAXIMUM CFM BASED ON 1/2 INCH WATER GAUGE INLET STATIC PRESSURE. MAXIMUM RADIATED NC OF 30.
- K. MAXIMUM PRESSURE DROP 0.10 INCH WATER GAUGE ACROSS THE BOX AT SELECTED FLOW RATES.
- L. ELECTRIC HEATER COIL: HEATER SHALL BE PROVIDED WITH HELIX WOUND NICHROME ELEMENTS CONTACTORS, FUSING WIRED FOR TWO STAGES OF CAPACITY CONTROL. PROVIDE A RESETTABLE HIGH TEMPERATURE LIMIT SWITCH AND CAPACITIES AS SHOWN ON THE SCHEDULE.
- M. INSTALLATION:
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - PROVIDE CEILING ACCESS DOORS OR LOCATE UNITS ABOVE EASILY REMOVABLE CEILING COMPONENTS.
 - SUPPORT UNITS INDIVIDUALLY FROM STRUCTURE. DO NOT SUPPORT FROM ADJACENT DUCTWORK.
 - PROVIDE MINIMUM OF THREE DIAMETERS OF STRAIGHT RIGID DUCT ON INLET OF AIR TERMINAL UNIT.

15850 AIR INLETS AND OUTLETS

- A. GRILLES, REGISTERS AND DIFFUSERS: MANUFACTURERS: TITUS, ANEMOSTAT, KRUEGER, METALAIRE, NALOR, PRICE, TUTTLE & BAILEY.

15906 AUTOMATIC CONTROLS (VAV)

- A. HONEYWELL T7984C 1053, OR APPROVED EQUAL, ELECTRONIC MODULATING CONTROL THERMOSTAT FOR EACH UNIT. MOUNT THERMOSTAT AT 4'-0" A.F.F.
- B. THE TERMINAL UNIT MANUFACTURER SHALL PROVIDE PRESSURE INDEPENDENT DIGITAL ELECTRONIC CONTROLS WHICH CAN BE RESET TO MODULATE AIRFLOW BETWEEN AND THE MAXIMUM CATALOGED CFM.
- C. THE TERMINAL UNIT SHALL INCORPORATE A MULTI-POINT, CENTER AVERAGING VELOCITY SENSOR. THE VELOCITY CONTROLLER SHALL HAVE A CONSTANT 2' RESET SPAN REGARDLESS OF MINIMUM AND MAXIMUM AIR FLOW LIMITS. VELOCITY CONTROLLER AND THERMOSTAT ARE BY TERMINAL MANUFACTURER.
- D. CONTROL DEVICES SHALL BE FACTORY SET FOR THE SCHEDULED MINIMUM AND MAXIMUM FLOW RATES. VELOCITY MEASURING POINTS WILL BE INTEGRATED WITH THE THERMOSTAT FOR FIELD BALANCING AIRFLOW.
- E. EACH TERMINAL SHALL BE EQUIPPED WITH LABELING SHOWING UNIT LOCATION, SIZE, AND MINIMUM AND MAXIMUM CFM SETPOINTS.
- F. THE TERMINAL MANUFACTURER SHALL PROVIDE A 24 VAC REVERSIBLE DAMPER ACTUATOR. THE ACTUATOR SHALL BE A DIRECT-COUPLED, SHAFT-MOUNTED TYPE WITHOUT EXTERNAL LINKAGES. A MAGNETIC CLUTCH AND LINKAGE RELEASE BUTTON SHALL BE INTEGRAL TO THE ACTUATOR. THE DAMPER SHALL BE FACTORY SET IN AN OPEN POSITION.
- G. THE TERMINAL MANUFACTURER SHALL PROVIDE A CLASS 2, 24 VAC CONTROL VOLTAGE TRANSFORMER WITH INTERNAL CURRENT LIMITING PROTECTION. ALL CONTROLS SHALL BE INSTALLED IN APPROVED NEMA 1 ENCLOSURE. ALL COMPONENTS MUST BE COMPATIBLE FOR USE WITH GROUNDED CONTROL CIRCUITS PER UL 1995.
- H. SEQUENCE OF OPERATION: VARIABLE AIR VOLUME SYSTEM, COOLING WITH ELECTRIC HEAT:
- COOLING CYCLE - OCCUPIED HOURS: THE THERMOSTAT SHALL MODULATE THE VARIABLE AIR VOLUME CONTROL DAMPER BETWEEN MINIMUM AND MAXIMUM POSITIONS AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE OCCUPIED COOLING SETPOINT OF THE THERMOSTAT.
 - HEATING CYCLE - OCCUPIED HOURS: UPON A DROP IN SPACE TEMPERATURE BELOW THE OCCUPIED HEATING SETPOINT OF THE THERMOSTAT, AND WITH THE VARIABLE AIR VOLUME CONTROL DAMPER IN THE MINIMUM POSITION, THE ELECTRIC HEATING COIL SHALL CYCLE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE THERMOSTAT SETPOINT.
 - COOLING CYCLE - UNOCCUPIED HOURS: THE VARIABLE AIR VOLUME CONTROL DAMPER SHALL BE CLOSED.
 - HEATING CYCLE - UNOCCUPIED HOURS: THE VARIABLE AIR VOLUME CONTROL DAMPER SHALL BE CLOSED AND THE ELECTRIC HEATING COIL SHALL BE DE-ENERGIZED.

15950 TESTING, ADJUSTING AND BALANCING

- A. WORK INCLUDES:
- TESTING, ADJUSTMENT, AND BALANCING OF NEW AIR SYSTEMS.
 - MEASUREMENT OF FINAL OPERATING CONDITION OF HVAC SYSTEMS.
- B. SERVICES PROVIDED BY QUALIFIED PERSONNEL OF MECHANICAL CONTRACTOR OR INDEPENDENT QUALIFIED TESTING AND BALANCING AGENCY.
- C. PERFORM TOTAL SYSTEM BALANCE IN ACCORDANCE WITH AABC NATIONAL STANDARDS FOR FIELD MEASUREMENT AND INSTRUMENTATION, TOTAL SYSTEM BALANCE OR NEBB PROCEDURAL STANDARDS FOR TESTING, BALANCING AND ADJUSTING OF ENVIRONMENTAL SYSTEMS.
- D. VERIFY THAT SYSTEMS ARE COMPLETE AND OPERABLE BEFORE COMMENCING WORK.
- E. AIR HANDLING SYSTEMS: ADJUST TO WITHIN PLUS OR MINUS 5 PERCENT OF DESIGN FOR SUPPLY SYSTEMS AND PLUS OR MINUS 10 PERCENT OF DESIGN FOR RETURN AND EXHAUST SYSTEMS. ADJUST OUTSIDE AIR TO WITHIN 0 TO PLUS 10 PERCENT OF DESIGN.
- F. AIR OUTLETS AND INLETS: ADJUST TOTAL TO WITHIN PLUS 10 PERCENT AND MINUS 5 PERCENT OF DESIGN TO SPACE. ADJUST OUTLETS AND INLETS IN SPACE TO WITHIN PLUS OR MINUS 10 PERCENT OF DESIGN.
- G. ADJUST AIR HANDLING AND DISTRIBUTION SYSTEMS TO PROVIDE REQUIRED OR DESIGN SUPPLY, RETURN, OUTSIDE AIR, AND EXHAUST AIR QUANTITIES.

#99

	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	5.6	1.25	7.0
RECEPTACLES	7.1	1.0	7.1
SIGN	1.2	1.25	1.5
WATER HEATER	3.0	1.0	3.0
HVAC - LARGEST	12.3	1.25	15.4
HVAC - REMAINING	12.3	1.0	12.3
MISCELLANEOUS	6.3	1.0	6.3
TOTAL KVA:	47.8		52.6
TOTAL AMPS:	132.8		146.0

E-000.00	ELECTRICAL TITLE SHEET & PANEL SCHEDULES
E-100.00	LIGHTING PLAN
E-101.00	LIGHTING DETAILS AND SCHEDULES
E-200.00	POWER PLAN
E-300.00	ELECTRICAL DETAILS
E-400.00	ELECTRICAL SPECIFICATIONS

1

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DATE: 05-18-2019

JOB NO: R19-3417.003

DRAWN: CTC

CHECKED:DJQ/PJF

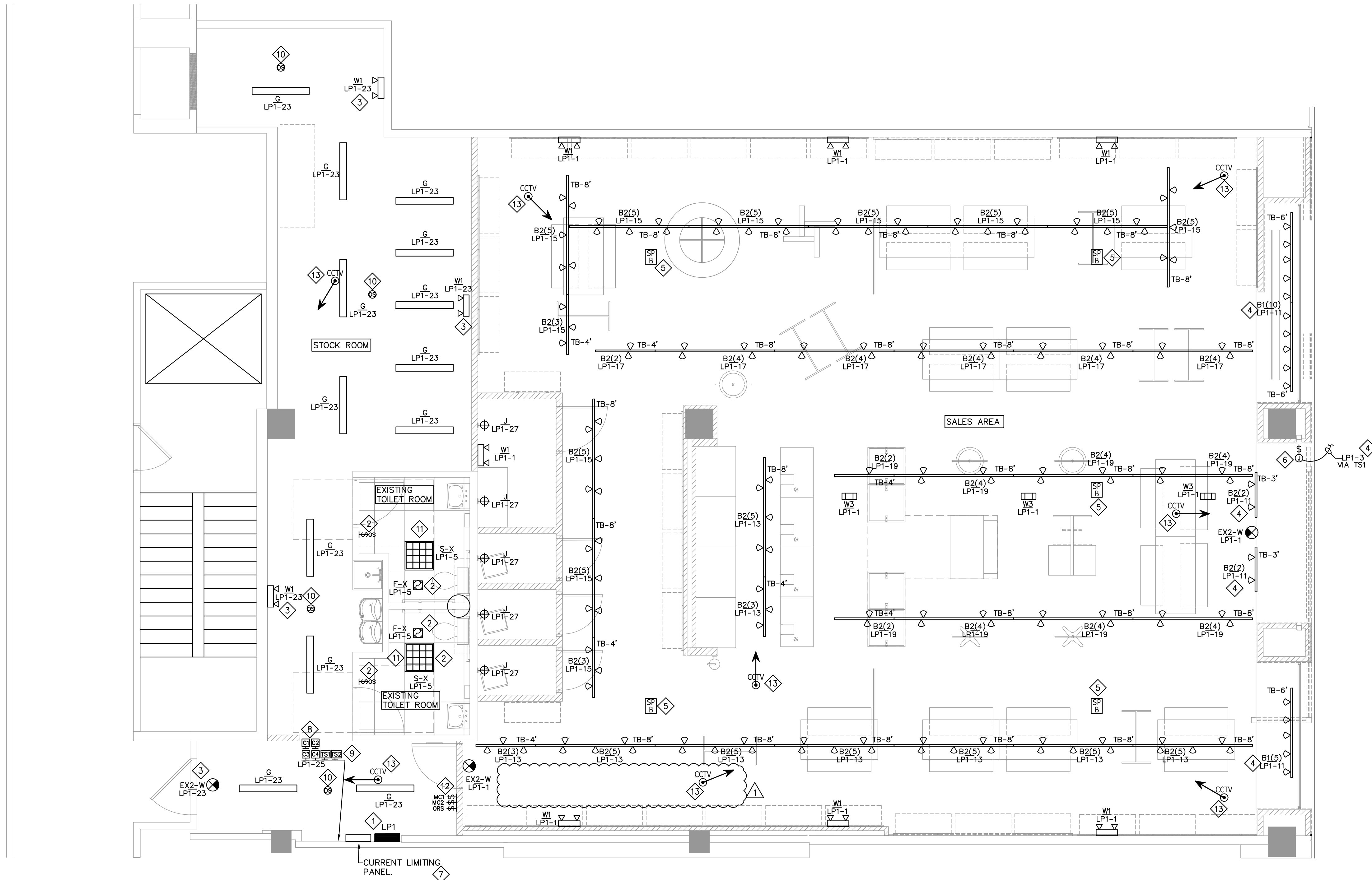
SHEET NUMBER

E-000.00

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NOTE:
SEE LIGHT FIXTURE SCHEDULE AND
DETAILS ON SHEET E-101/00 FOR
MORE INFORMATION.

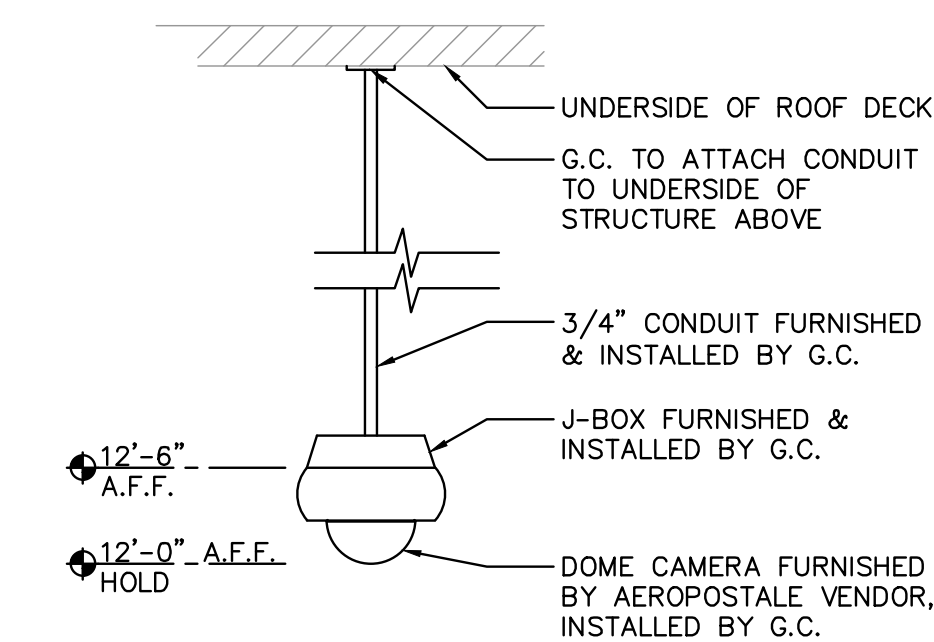
- A. ELECTRICAL CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR ALL LIGHT FIXTURE LOCATIONS.
- B. CONTRACTOR SHALL COMPLETELY REMOVE ALL EQUIPMENT, PANELBOARDS, DEVICES, FIXTURES, WIRING, CONDUIT, ETC. AND ALL ASSOCIATED SUPPORTS, BRACING, PADS, ETC. NOT BEING REUSED OR SHOWN TO REMAIN WHETHER IN THE DEMISED SPACE, ON THE ROOF OR OTHERWISE LOCATED OUTSIDE OF THE DEMISED SPACE. DO NOT ABANDON IN PLACE.
- C. ALL LINEAR FLUORESCENT LIGHT FIXTURES SHALL BE INSTALLED TO MEET THE REQUIREMENTS OF NEC SECTION 410-130(G) REGARDING LOCAL DISCONNECTING MEANS.
- D. ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 75' SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF 1 CONDUCTOR SIZE. INSTALLING CONTRACTOR SHALL DETERMINE ACTUAL CONDUCTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.
- E. PROVIDE A NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT. NEUTRAL SHARING IS NOT ALLOWED. PROVIDE MULTI-BREAKER AS ALTERNATE PER NEC REQUIREMENT.
- F. STOCKROOM LIGHTS ARE TO BE CENTERED IN AISLES.
- G. ELECTRICAL SYSTEM SHALL BE GROUNDED AND BONDED PER NEC REQUIREMENTS AND AUTHORITY HAVING JURISDICTION.



1 LIGHTING PLAN

- 1 ELECTRICAL SERVICE EQUIPMENT LOCATION. REFER TO DETAIL 1/E-300.00, AND PANELBOARD SCHEDULES ON SHEET E-000.00.
- 2 IF NOT EXISTING, PROVIDE WALL MOUNTED OCCUPANCY SENSOR MOUNTED 4' ON A.F.F., INFRARED, & ULTRASONIC SENSOR. PROVIDE 1/2" DIA. WATTSTOPPER, DW-100-24-W WITH B250 POWER PACK FOR THE TOILET ROOM. OCCUPANCY SENSOR SHALL CONTROL EXISTING FANS AND LIGHTS. PROVIDE ALL POWER PACKS AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES. PROPOSED SUBSTITUTIONS MUST BE SUBMITTED AND APPROVED BY AEROPOSTALE PROJECT MANAGER AT TIME OF BID.
- 3 CONNECT EXIST AND EMERGENCY FIXTURES IN REAR AREAS AHEAD OF LOCAL SWITCHING CONTROL, IN ACCORDANCE WITH THE N.E.C.
- 4 THE CIRCUITS NOTED (LP1-3,7,9 & 11) ARE TO BE CONTROLLED BY THE TIME CLOCK. COORDINATE EXIST SCHEDULING FORMAT WITH LANDLORD.
- 5 SPEAKER AND WIRING PROVIDED BY AEROPOSTALE'S VENDOR.
- 6 PROVIDE J-BOX FOR STORE SIGN. TENANT'S E.C. TO PROVIDE DISCONNECTING MEANS FOR SIGN. SIGN UL#668384. COORDINATE THE EXACT REQUIREMENTS WITH SIGN VENDOR. RE-USE EXISTING J-BOX IF APPLICABLE.

- | | | | |
|----|--|----|--|
| 7 | CURRENT LIMITING SUB-PANEL, JUNG-AERO-MOD87. PANEL SUPPLIED BY AEROPOSTALE. REFER TO <u>DETAIL 3/E-101.00</u> . | 12 | PROVIDE MOMENTARY CONTACT SWITCHES OVERRIDE, 'MC-1' AND 'MC-2' FOR CONTROL SWITCHES OF SALES AREA LIGHTING. REFER TO <u>DETAIL 4/E-101.00</u> FOR ADDITIONAL INFORMATION. PROVIDE PERMANENT LABEL FOR EACH SWITCH. |
| 8 | PROVIDE MULTIPOLAR LIGHTING CONTACTORS (C1, C2, C3 AND C4) FOR SALES AREA LIGHTING AND STOREFRONT LIGHTING AND RECEPTACLES. MOUNT ADJACENT TO ELECTRICAL PANELS. REFER TO <u>DETAIL 4/E-101.00</u> FOR ADDITIONAL INFORMATION. | 13 | PROVIDE 3/4" CONDUIT STEMMED DOWN WITH AN OCTAGONAL J-BOX MOUNTED ON END OF CONDUIT FOR CCTV CAMERA LOCATION(S). J-BOX HEIGHT TO MATCH BOTTOM OF LIGHT FIXTURE IN STOCKROOM (AND BOTTOM OF TRACK LIGHT IN SALES AREA). PROVIDE PLENUM RATED CAT5 CABLE FROM SYSTEM HEADEND LOCATED IN EQUIPMENT SHELF TO EACH J-BOX LOCATION. PROVIDE 24" ADDITIONAL CAT-5 SERVICE LOOP IN EACH J-BOX. VERIFY EXACT CAMERA LOCATION(S) PRIOR TO ROUGH-IN. FINAL CONNECTIONS BY TEANT'S VENDOR. |
| 9 | PROVIDE TIMECLOCKS (TS1 & TS2) FOR MASTER CONTROL OF STOREFRONT ILLUMINATED SIGNAGE AND DISPLAYS. MOUNT ADJACENT TO ELECTRICAL PANELS IN ELECTRICAL CLOSET. COORDINATE SETTINGS WITH STORE OPERATIONS. REFER TO <u>DETAIL 4/E-101.00</u> FOR ADDITIONAL INFORMATION. | | |
| 10 | PROVIDE PENDANT/RECESSED MOUNTED OCCUPANCY SENSOR, INFRARED & ULTRASONIC 360 DEGREE OCCUPANCY SENSOR WATTSTOPPER: DT-305. MOUNTING HEIGHT TO MATCH BOTTOM OF LIGHT FIXTURES. PROVIDE BZ-200 ALL POWER PACKS, AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES. PROPOSED SUBSTITUTIONS MUST BE SUBMITTED AND APPROVED BY AEROPOSTALE PROJECT MANAGER AT TIME OF BID. | | |
| 11 | EXISTING LIGHT/FAN COMBINATION TO REMAIN. RE-PAIR AS INDICATED. CLEAN, REPAIR AND RELAMP AS REQUIRED. FIELD VERIFY. | | |



2 CCTV CAMERA DETAIL

1	5-21-2019	REV#1 INTERNAL REV.
NO.	DATE	DESCRIPTION

DATE: 05-18-2019

JOB NO: R19-3417.003

DRAWN: CTC

CHECKED:DJQ/PJF

LIGHTING PLAN

SHEET NUMBER

E-100.00

GENERAL NOTES

- A. CONTRACTOR SHALL COMPLETELY REMOVE ALL EQUIPMENT, PANELBOARDS, DEVICES, FIXTURES, WIRING, CONDUIT, ETC. AND ALL ASSOCIATED SUPPORTS, BRACING, PADS, ETC. NOT BEING REUSED OR SHOWN TO REMAIN WHETHER IN THE DEMISED SPACE, ON THE ROOF OR OTHERWISE LOCATED OUTSIDE OF THE DEMISED SPACE. DO NOT ABANDON IN PLACE.
- B. ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 75' SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF ONE CONDUCTOR SIZE. INSTEAD CONTRACTOR SHALL DETERMINE ACTUAL CONDUCTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.
- C. PROVIDE A NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT. NEUTRAL SHARING IS NOT ALLOWED.
- D. ELECTRICAL SYSTEM SHALL BE GROUNDED AND BONDED PER NEC REQUIREMENTS AND AUTHORITY HAVING JURISDICTION.

1 ELECTRICAL SERVICE EQUIPMENT LOCATION. REFER TO DETAIL 1/E-300.00 AND PANELBOARD SCHEDULES ON SHEET E-000.00 FOR ADDITIONAL INFORMATION.

- 4 THE DEDICATED (DG) CIRCUITS USED TO POWER THE ELECTRONIC CASH REGISTERS SHALL NOT BE USED FOR ANY OTHER PURPOSES. THE CIRCUITS SHALL NOT SHARE THE NEUTRAL OR GROUND WITH OTHER EQUIPMENT. SEPARATE POWER, NEUTRAL, AND DEDICATED GROUND WIRES, MINIMUM SIZE #12 AWG, SHALL BE RUN TO THE CIRCUIT BREAKER PANELBOARD WHERE GROUND WIRE SHALL BE TIED TO THE GROUND TERMINAL ISOLATED FROM NEUTRAL. DO NOT USE THE CONDUIT FOR GROUNDING. ELECTRONIC CASH REGISTER OUTLETS SHALL BE HUBBELL NO. IG-5362, OR APPROVED EQUAL.

- 6 PLENUM RATED CAT-5e CABLING FROM MANAGER DESK TO DEVICES AT CASHWRAP/BACKWRAP. REFER TO DETAIL 5/E-300.00 FOR FURTHER INFORMATION.

- 8 DUPLEX RECEPTACLE TO BE MOUNTED HORIZONTALLY AT 6" AFF. ABOVE COUNTER.

- 9 LOCATION OF CONTACTORS (C1, C2, C3 AND C4), SEE DETAIL 4/E-101.00 FOR ADDITIONAL INFORMATION.

- 10 E.C. TO PROVIDE A 6"x6"x3 1/2"D RECESSED J-BOX AT BACK WRAP FOR
TERMINATION OF (1)3/4" EMPTY CONDUIT. SEE DETAIL 2/E-300.00.

- 11) TENANT'S E.C. TO PROVIDE J-BOX ON WALL ABOVE 12'-0" A.F.F. FOR SENSORMATIC CONTROLLER. PROVIDE (1) CONCEALED 3/4" CONDUIT WITH PULLSTRING TO SENSORMATIC REMOTE ALARM LOCATION. REFER TO KEY NOTE 11 THIS SHEET FOR ALARM LOCATION. PROVIDE (2) 3/4" CONDUITS WITH PULLSTRING TO SENSORMATIC CAPACITOR BOX ENCLOSURE. REFER TO KEY NOTE 12 THIS SHEET FOR LOCATION. COORDINATE ALL REQUIREMENTS WITH ON SITE SENSORMATIC REPRESENTATIVE. THE AC REQUIREMENTS FOR THE SENSORMATIC SYSTEMS THAT AEROPOSTALS USES SHOULD BE AS FOLLOWS:
- THE AC SOURCE MUST BE A 2-WIRE TYPE WITH GROUND.
 - IT MUST NOT SHARE THE AC SOURCE (INCLUDING GROUND) WITH ANY OTHER DEVICES.
 - IT MUST BE ON A 24 HOUR UNSWITCHED OUTLET.
 - IT MUST NOT HAVE MORE THAN 0.5 VAC BETWEEN NEUTRAL AND GROUND.
- G.C. TO TEST AFTER INSTALLATION.

- 12 LOCATION OF CAPACITOR BOARD ENCLOSURE FOR SECURITY SYSTEM.
PROVIDE (2) CONCEALED 3/4" CONDUITS WITH PULLWIRE TO ANTENNAE
LOCATED IN FLOOR SLAB. FLOOR TO BE TRENCHED FOR ANTENNAE LOOP.
COORDINATE ALL REQUIREMENTS WITH ON SITE SENSORMATIC REPRESENTATIVE.

- 13 LOCATION OF SENSORMATIC REMOTE ALARM. E.C. TO PROVIDE A J-BOX AT REMOTE ALARM LOCATION FOR (1)3/4" CONDUIT. COORDINATE EXACT LOCATION WITH ARCHITECT.

- 14 AREA TO BE TRENCHED FOR IN-FLOOR SENSORMATIC LOOP. G.C. TO COORDINATE EXACT WIRING REQUIREMENTS WITH VENDOR AND MALL ON SITE REPRESENTATIVE.

- 15 PROVIDE DUPLEX RECEPTACLE MOUNTED 6" ABOVE WINDOW FRAME FOR SHC
WINDOW RECEPTACLE. CIRCUITS TO BE ROUTED VIA TIME CLOCK. REFER TO
1 DETAIL 4 E-101.00 RE-USE EXISTING IF APPLICABLE. MATCH ADJACENT
FINISH / COLOR.

- 16 OUTLET LOCATED IN PERIMETER FIXTURE PANELS. COORDINATE INSTALLATION WITH MILLWORK PACKAGE. OUTLET COVER TO BE WHITE. RE-USE EXISTING IF APPLICABLE.

- 17 NOT USED.

- 18 E.C. TO PROVIDE 12x12 JUNCTION BOX RECESSED MOUNTED ABOVE TOP SHELF OF MANAGERS DESK FOR PULLING OF VOICE DATA CABLES AND SPARE 1-1/2" CONDUIT. AEROPOSTALE VENDOR TO FURNISH AND INSTALL THE COVER PLATES AND JACKS, SEE 3/E-300.00.

- 19 NOT USED.

- 20 PROVIDE TELEPHONE EQUIPMENT BACKBOARD LOCATION. REFER TO DETAIL 5/E-300.00 FOR FURTHER INFORMATION. RE-USE EXISTING IF APPLICABLE.

- 2) A/V RACK FURNISHED AND INSTALLED BY AEROPOSTALE VENDOR. INSTALL I.T. RACK AND DATA SHELF ON THE TELEPHONE BOARD PRIOR TO WEEK 6 CONSTRUCTION. SHELF TO BE MOUNTED ON BOTTOM POSITION OF THE RACK WITH 7" SHELF FACING TOWARD THE WALL. PROVIDE (2) QUAD RECEPTACLE MOUNTED IN THE BOTTOM OF THE PLYWOOD OR JUST BELOW THE PLYWOOD AT HEIGHT TO BE DETERMINED BY AEROPOSTALE PROJECT MANAGER. VERIFY IN FIELD.

22 PROVIDE J-BOX FOR TERMINATION POINT FOR CAT-5e WIRELESS CONNECTION. LOCATE THE J-BOX NEAR THE A/V RACK AS HIGH AS POSSIBLE TO AVOID INTERFERENCE WITH THE STOCK SHELVING. COORDINATE EXACT LOCATIONS WITH CONSTRUCTION PROJECT MANAGER PRIOR TO INSTALLATION. REFER TO (DETAIL 5/E-300.00.)

23. EXISTING 208V, 1 PHASE, 3.0 KW ON WATER HEATER (XWH-1 TO REMAIN). MAINTAIN EXISTING CIRCUITRY AND FEEDER. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E-101.00 FOR MORE INFORMATION. VERIFY EXACT LOCATION.

- 24 NOT USED.

- 25 NOT USED.

- 26 NOT USED.

27. PROVIDE FIRE ALARM DEVICES AS INDICATED AND CONNECT TO LANDLORD'S FIRE ALARM SYSTEM. COORDINATE EXACT REQUIREMENTS WITH LANDLORD FIRE ALARM CONTRACTOR PRIOR TO BID AND INSTALLATION. REUSE/RELOCATE EXISTING DEVICES IF APPLICABLE. FIRE ALARM DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL LOCATIONS NEED TO BE INSTALLED PER CODE AND ARE THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING IT.

- 28 NOT USED.

- 29 SEE SHEET E-100.00 FOR MORE INFORMATION. 1

- 30 PROVIDE PORCELAIN SOCKET WITH 60W/A19 LAMP, SWITCH AND GFI DUPLEX RECEPTACLE ADJACENT TO VAV-1.

- 31 MECHANICAL EQUIPMENT. SEE MECHANICAL EQUIPMENT SCHEDULE ON SHEET E-101.00 FOR MORE INFORMATION.

- 32 NOT USED.

- 33 GC TO PROVIDE J-BOX 3 FEET INSIDE THE DOOR AND 12'-0" AFF. TO THE BOTTOM OF BOX WITH CAT-5 WIRE PULLED TO IT RACK FOR PEOPLE COUNTER. COORDINATE EXACT LOCATIONS WITH SUPPLIER AND CONSTRUCTION PROJECT MANAGER PRIOR TO INSTALLATION.

- 34 NOT USED.

- 35 E.C. TO PROVIDE JUNCTION BOX RECESSED MOUNTED ON OPPOSITE SIDE OF SHELF FROM CCTV LOCATION FOR PULLING CCTV CABLES. TERMINATION OF CCTV CABLES BY VENDOR. (SEE DETAIL 3/E-300.00.)

- 36 PROVIDE J-BOX FOR TERMINATION POINT FOR CAT-6 WIRELESS CONNECTION AT 12'-0" AFF. LOCATE THE J-BOX EXACT IN THE CENTER OF THE SALES AREA. COORDINATE EXACT LOCATION WITH CONSTRUCTION PROJECT MANAGER PRIOR TO INSTALLATION. REFER TO DETAIL S/E-300.00.



1/4" = 1'-0"

STATE OF NEW YORK
PAUL J. FETTING
LICENSED PROFESSIONAL ENGINEER
085551

DATE: 05-18-2019

JOB NO: R19-3417.003

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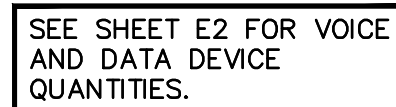
E-200.00



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CHECKED: DJQ/PJF

SHEET NUMBER

E-300.00

SHEET NUMBER

