ABBREVIATIONS

ACOUSTICAL CEILING TILE ABOVE FINISHED FLOOR ALUM ALUMINUM ALTERNATE BUILDING BEAM BOTTOM **BOTTOM OF** CENTER LINE CEILING CLEAR CONCRETE MASONRY UNIT COLUMN CONC CONCRETE CONSTRUCTION CONT CONTINUOUS DEPTH OR DEEP DETAIL DIMENSION DOOR **DOUBLE** DRAWING **EXPANSION JOINT** ELEVATION

ELEC ELECTRICAL **EMERGENCY** EXISTING EXISTING **EXPANSION** EXTERIOR FURNISHED & INSTALLED FINISH FLOOR FINISHED FLOOR FACE OF

GALVANIZED GAUGE, OR GAGE GENERAL CONTRACTOR GYPSUM BOARD/ DRYWALL GYPSUM BOARD/ DRYWALL HOLLOW METAL

HEIGHT or HIGH HEATING/ VENTILATION/ AIR CONDITIONING LENGTH OR LONG LEASE LINE

MANUFACTURER MASONRY MAXIMUM MDF MEDIUM DENSITY FIBERBOARD MECH MECHANICAL METAL MINIMUM MISCELLANEOUS MOUNTED MOISTURE RESISTANT MOUNTING

NOT APPLICABLE ON CENTER OPPOSITE HAND OUTSIDE DIMENSION PHONE PATR

PAINTED QUANTITY REFERENCE REINF. REINFORCING ROUGH OPENING

SIMILAR STD STANDARD STRUCTURAL or STRUCTURE STRUCT

TEMPERED THICK TO MATCH EXISTING TOP OF TUBULAR STEEL TYPICAL

UNLESS NOTED OTHERWISE UNDERSIDE U/S

VINYL COMPOSITION TILE VERT VERTICAL

WIDTH OR WIDE WOOD WITH

AEROPOSTALE

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

CONTACTS

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TENANT COORDINATOR

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BUILDING DEPARTMENT

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ARCHITECT LGA PARTNERS, LP

HALLBERG ENGINEERING 1750 COMMERCE COURT WHITE BEAR LAKE, MN 55110 CONTACT: DAVE QUIGLEY

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PROJECT MANAGER LGA PARTNERS, LP

SUITE 400

1425 FORBES AVENUE

RIOR DEMOLITION OF NON-LOAD BEARING PARTITIONS AND CODE PRESCRIBED VALUE DESIGN VALUE .DING ENVELOPE - N/A - NO CHANGE EXTERIOR BUILDING JILDING MECHANICAL N/A - NO CHANGE N/A - NO CHANGE N/A - NO CHANGE N/A - NO CHANGE CTRICAL POWER & N/A - NO CHANGE N/A - NO CHANGE TION 505 THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL DGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE H THE 2014 NEW YORK CITY CONSERVATION CODE

REQUIRED INSPECTIONS

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

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 REO'D SYSTEM UPGRADES ARE APPLICABLE.

TOTAL MEANS OF EGRESS = 2 (ACCESSIBLE)

5. MINIMUM EGRESS DOOR WIDTH = 36" [914mm]

3. COMMON PATH OF TRAVEL DOES NOT EXCEED 75'-0"

MINIMUM PATH OF EGRESS = 44"

4. MAXIMUM DEAD-END CORRIDOR < 20 FT

CODE INFORMATION

<u>USE GROUP:</u> M - MERCANTILE OCCUPANCY CALCULATION: CONSTRUCTION TYPE: IIB TOTAL SQUARE FOOTAGE = FULLY SPRINKLED: YES SALES AREA: REQUIRED EXITS: 2 2670 sf / 60 sf PER PERSON = FURNISHED EXITS: 2 NON-SALES AREA: 859 sf / 300 sf PER PERSON = TOTAL OCCUPANT LOAD = /1 \> 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 & PROFESSIONAL JUDGMENT, ALL WORK UNDER THIS

APPLICATION IS IN COMPLIANCE WITH THE 2016 NYCECC. DESCRIPTION OF PROJECT: 'AEROPOSTALE' 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

- 1. 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.
- 2. 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
- 3. THE GC SHALL MEET WITH AN AUTHORIZED REPRESENTATIVE OF THE LANDLORD TO REVIEW CONSTRUCTION PROCEDURES ("PRE-CON" 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.
- 4. 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
- 5. 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. 6. 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. 7. GC TO CONTACT AEROPOSTALE PRIOR TO START OF CONSTRUCTION TO CONFIRM ALL VENDOR SUPPLIED
- ITEMS, INSTALLATION AND SCHEDULE. 8. PICTURES OF THE JOB SITE MUST BE SENT TO THE CONSTRUCTION MANAGER OR PROJECT MANAGER EVERY FRIDAY BY 10 AM EST, ALONG WITH THE AEROPOSTALE REQUIRED "CONTRACTOR FORM" SPREADSHEET. THE SPREADSHEET HAS BEEN PROVIDED WITH THE BID PACKAGE FROM THE ARCHITECT. AT ANY TIME, AEROPOSTALE'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 AEROPOSTALE'S PLAN ROOM WEBSITE.
- 9. "PROVIDE" OR "PROVIDED" REFERS TO BOTH FURNISH AND INSTALL BY THE PARTY LISTED 10. 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
- 11. 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. 12. 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.
- 13. GC SHALL FURNISH FIRE ALARM AND/OR SPRINKLER SHOP DRAWINGS AND PERMITS IF REQUIRED WORK APPLIES. MALL REQUIRED VENDORS.

DRAWING ISSUE LIST

BRIEF DESCRIPTION
CLIENT REVIEW SET ORIGINAL SET LANDLORD 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, 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, 07/25/19 CONSTRUCTION SET REVISION 3 - CONSTRUCTION REVISIONS REVISED SHEET LIST: A101, A201, A301,

∕₁\ DRAWING INDEX

・G-100 ノ INFORMATION SHEET G-101 INFORMATION SHEET ' A-101 **〈** CONSTRUCTION PLAN , A**-**102 丿 WALL TYPE DETAILS A-201 FIXTURE PLAN FIXTURE DETAILS
INTERIOR ELEVATIONS A-301 A-302 WALL FINISH PLAN FLOOR FINISH PLAN A-501 <

COVER SHEET

FITTING ROOM INTERIOR ELEVATIONS REFLECTED CEILING PLAN A-701 LIGHTING PLAN A-801 < STOREFRONT ELEVATION AND DETAILS A-901

STOREFRONT SECTIONS

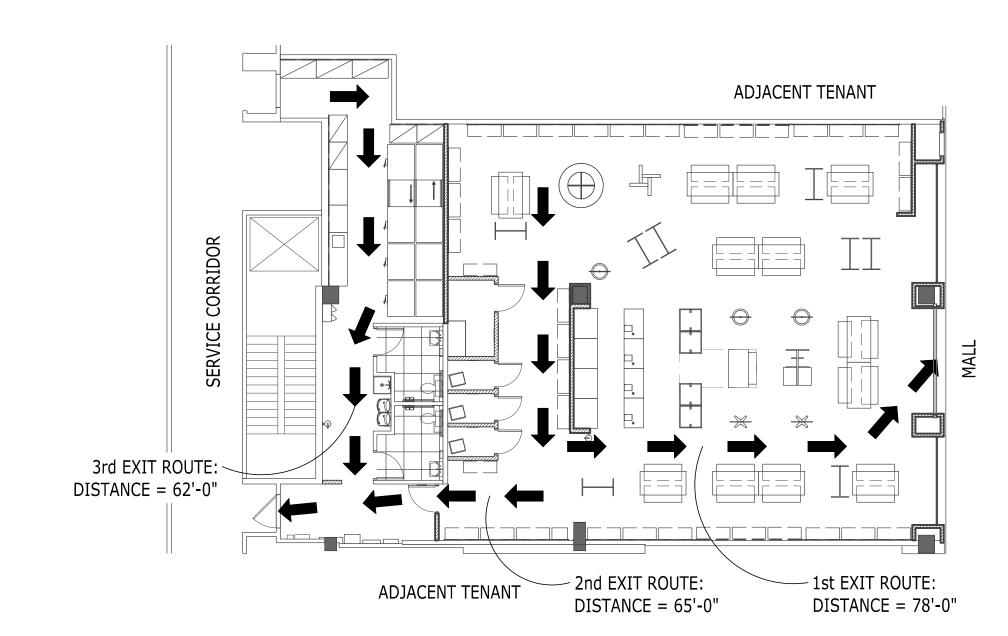
M-000 ✓ MECHANICAL TITLE SHEET AND DETAILS M-100 HVAC PLAN M-200 < MECHANICAL SPECIFICATIONS ELECTRICAL TITLE SHEET & PANEL SCHEDULES E-000 < > E-100 LIGHTING PLAN

E-101 · LIGHTING PLAN, SCHEDULE & DETAILS E-200 POWER PLAN E-300 ` ELECTRICAL DETAILS ELECTRICAL SPECIFICATIONS

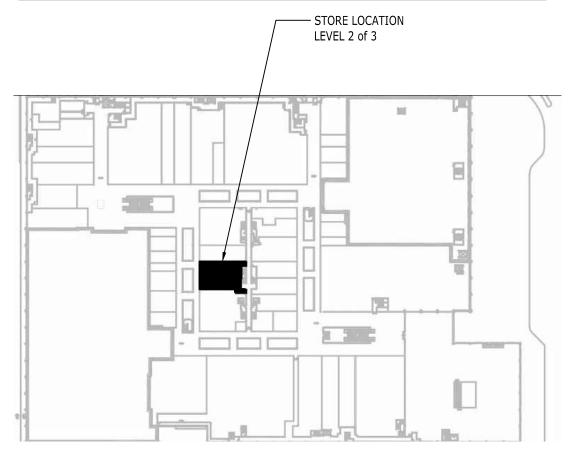
DEFERRED SUBMITTALS

- 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.

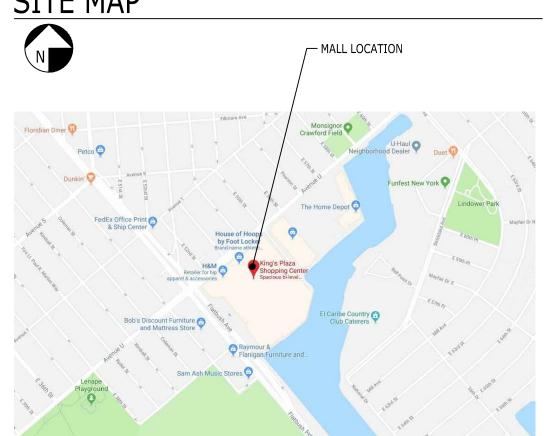
EGRESS PLAN



KEY PLAN



SITE MAP



AÉROPOSTALE

KINGS PLAZA

SPACE 2248

5100 KINGS PLAZA

BROOKLYN, NY

11234

₱412.243.3430 **₹**412.224.4747

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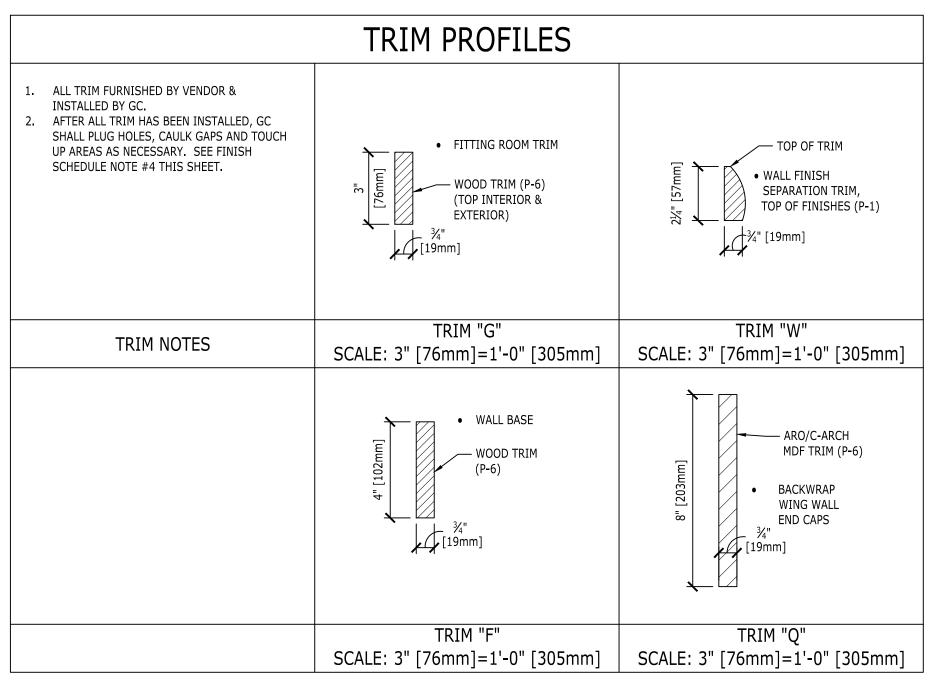
08/02/2019 CONSTRUCTION REVISIONS 06/17/2019 LANDLORD REVISIONS 05/22/19 INTERNAL REVISIONS

DRAWN BY: HCG PROJECT NO.: 18468

NO. DATE DESCRIPTION

COVER SHEET

T-100.00



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.
- 2. ALL INTERIOR WALL AND CEILING FINISHES SHALL MEET THE FOLLOWING SPECIFICATIONS:

WALLS & CEILINGS 26 TO 75 MAX MALL SIDE A. CLASS 'B' FLAME SPREAD INDEX B. SMOKE DENSITY RATING 300 MAX

WALLS & CEILINGS 76 TO 200 MAX A. CLASS 'C' FLAME SPREAD INDEX B. SMOKE DENSITY RATING 450 MAX

- 3. 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.
- 4. 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. EGGSHELL FINISH: ALL INTERIOR GWB WALLS IN SALES AREA. ALL WOOD TRIM, UNO. ALL INTERIOR WOOD SURFACES AND DOORS.

ALL INTERIOR GWB WALLS IN TOILET ROOMS AND STOCK AREA.

- 5. ALL DOORS AND FRAMES TO BE PAINTED TO MATCH COLOR OF ADJACENT SURFACES (EGGSHELL FINISH).
- 6. 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. II 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.
- 7. GC TO FURNISH AND INSTALL 4" [102mm] HIGH COVE BASE IN STOCK ROOM. COLOR AS SELECTED IN FINISH SCHEDULE.
- NOT USED.

SEMI-GLOSS FINISH:

- 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
- 10. AFTER INSTALLATION OF ALL FIXTURES, GC TO TOUCH UP ANY SURFACES THAT MAY BE DAMAGED.
- 11. 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.
- 12. 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:

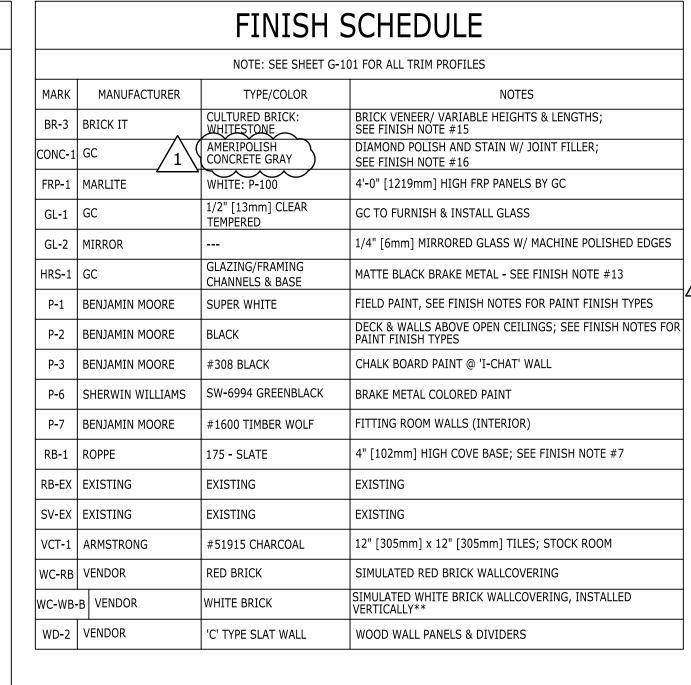
*ARDEX - FEATHER FINISH: SELF-DRYING, CEMENT BASED FINISHING UNDERLAYMENT *MAPEI - PLANIPREP FF: PREMIUM SKIMCOATING AND PATCHING COMPOUND *MAPEI - PLANIPATCH: FAST-SETTING, POLYMER-MODIFIED, CEMENT-BASED PATCHING COMPOUND

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

- 13. THE GC SHALL TRIM BRAKE METAL & SCRIBE BASE WHERE REQUIRED ON SITE, VERIFY IN FIELD.
- 14. NOT USED.
- 15. 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".

16. DIAMOND POLISH AND STAIN CONCRETE GRAY; 2 COATS AND APPLY STAIN PROTECTOR. JOINT FILLER -↑ FURNISH AND INSTALL METSQUIRE MAQUIRE POLYERUEA CRACK AND JOINT FILLER TO MATCH DYE COLOR.



		D	OOR	SCH	IEDL	JLE
DOOR	TYPE	SIZE	MATE DOOR	RIAL FRAME	FIRE RATING	NOTES
1		12'-0" [3658mm] W x 10'-0" [3048mm] H	ALUM.			OVERHEAD ROLLING GRILLE**
2	Α	3'-0" [914mm] x 7'-0" [2134mm]	H.M.	H.M.		PAINT DOOR & FRAME (P-6)
3	В	3'-0" [914mm] x 7'-0" [2134mm] EX	H.M.	H.M.		*PAINT DOOR & FRAME (P-1) INTERIOR
4.1	Α	3'-0" [914mm] x 7'-0" [2134mm] EX	H.M.	H.M.		*PAINT DOOR & FRAME (P-1)
4.2	Α	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
1 6	F	2'-8" [813mm] x 6'-8" [2032mm]	WD	WD		FURNISHED BY AEROPOSTALE FIXTURE VENDOR; INSTALLED BY GC
7	F	2'-8" [813mm] x 6'-8" [2032mm]	WD	WD		FURNISHED BY AEROPOSTALE FIXTURE VENDOR; INSTALLED BY GC
8	F	2'-8" [813mm] x 6'-8" [2032mm]	WD	WD		FURNISHED BY AEROPOSTALE FIXTURE VENDOR; INSTALLED BY GC
* INSP	FCT. RF	PAIR, AND/OR REPLACE AS R	EOUIRED FO	R PROPER		ORDER.

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 GC TO F & I EXTERIOR TENANT [914mm] [914mm] IDENTIFICATION SIGNAGE ON EX (VIF) EXTERIOR SIDE OF DOOR PER LANDLORD'S STANDARDS — PEEP HOLE HARDWARE - PULL HANDLE SCHEDULE

2½" 2'-8" 2½" [57mm] [813mm] [57mm]

34" RO

OPEN

OPEN

BARRICADE GRAPHICS:

CARLA DIBENEDETTO

PHONE: 772-257-7156

BOSTON BARRICADE COMPANY

MILKY WHITE

ACRYLIC

-FIRE RATED DOOR ASSEMBLY -PAINT PER THE LANDLORD'S SPECIFICATIONS -DOOR CLOSER @ TENANT SIDE OF DOOR

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AÉROPOSTALE

KINGS PLAZA

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OPEN MILKY WHITE ACRYLIC DOOR HARDWARE SCHEDULE

* GC TO FURNISH & INSTALL ALL DOOR HARDWARE, UNLESS NOTED OTHERWISE. * ALL HARDWARE IS "SCHLAGE" UNLESS NOTED OTHERWISE

(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

OR PLUGS.

+ (1)EA. DOOR STOP 520 US26D

<u>DOOR # 3</u>: NOTE: DOOR IS EXISTING TO REMAIN, REMOVE ALL HARDWARE ON CORRIDOR SIDE OF DOOR AND COVER WITH PLATES

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.

+ (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 SENSORMATIC / ADT PHONE: 215-946-8118

3'-0" 2½" [914mm] [57mm]

38" RO

OPEN

(E)

CONCRETE FLOOR POLISHING BRICK (BR-3): BRADY CRIBBS NATIONAL CONCRETE POLISHING PHONE: 440-665-7080

SOUND SYSTEM TONY BOITANO JAMES KULP BRICK-IT PLAY NETWORK PHONE: 631-591-9221 PHONE: 425-629-2776 EMAIL: jkulp@brickit.com tboitano@playnetwork.com

MARY ANN GUGLIELMO SPENCER TECHNOLOGIES PHONE: 508-595-9496 EXT: 2042 PHONE: 772-257-7156

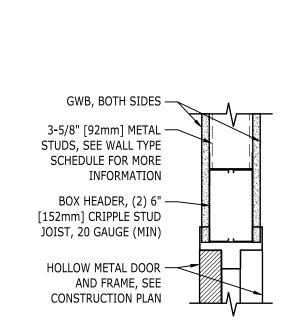
CARLA DIBENEDETTO BOSTON BARRICADE COMPANY

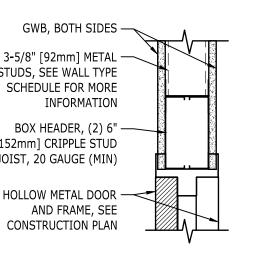
Ш	1	05/22/19	INTERNAL REVISIONS
	NO.	DATE	DESCRIPTION

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

INFORMATION SHEET

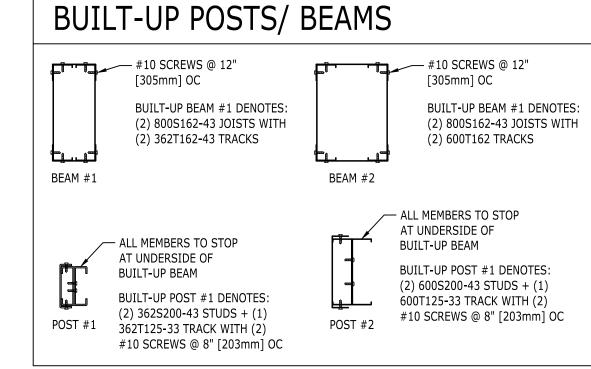
G-100.00





DOOR HEADER DETAIL

G-100/ SCALE: 1-1/2" [38mm] = 1'-0" [305mm]



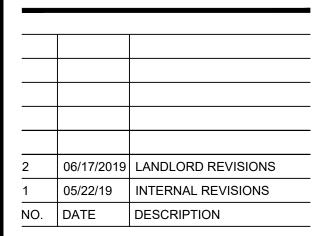
	3 ICABLE	!		1 1	GENERAL	
	EXISTING NOT APPL	JRNISH	JRNISH	STALL	JRNISH ISTALL	REMARKS
HANICAL - REFER TO MECHANICAL SHEETS FOR ADDITIONAL IN	집 ≥ FORMATIOI	/ 도 돌	[[
/AC UNITS OOF WORK			/		• •	
/AC UNIT CURB /AC DISTRIBUTION - DUCTWORK, DIFFUSERS, ETC.	.		\rightarrow			
R BALANCING				1 1	• •	
(HAUST FAN/ LIGHT COMBO (HAUST DUCTWORK		2222				
TURN AIR GRILLES				1 1	• •	
/AC WARRANTY CALLS /AC FILTER CHANGE	111111			•		SEE NOTE #3 BELOW AFTER CONSTRUCTION COMPLETION
JCT SMOKE DETECTION	**************************************			-	• •	
MOKE EVACUATION SYSTEM RANSFER GRILLE FIRE DAMPERS	•					
RE SPRINKLER SHUT-OFF					• •	
PRINKLER SYSTEM MODIFICATION JSTOM COLORED SPRINKLER ESCUTCHEONS					• •	SEE NOTE #1 & 4 BELOW
UMBING FIXTURES (H.C. ACCESSIBLE)	•					SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION
ATER & SEWER STUB-INS ATER & SEWER PIPING						
	1.000.10 1.000.00 1.000.00 1.000.00 1.000.00					
<u>TRICAL—BEFEB TO ELECTRICAL SHEETS FOR ADDITIONAL INFO</u> ETER SOCKET	PRMATION—	$\widetilde{}$	Y	$ \mathbf{Y} $	• •	
ECTRICAL SERVICE					• •	
RANSFORMER ECTRICAL PANELS				-	• •	LL TO SUPPLY DISCONNECT PANEL ONLY. GC TO ADD BREAKERS, SEE ELECTRICAL DRAWINGS
IRING, CIRCUITING, RECEPTACLES, SWITCHES, ETC.						
NT-5e CABLES & CONDUITS WW VOLTAGE WIRING (PLENUM RATED)				Н	• •	TERMINATION BY VENDOR, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
DNNECTION & WIRING OF CASHWRAP/ BACKWRAP	10000			•	• •	CONTACT AEROPOSTALE CONSTRUCTION MANAGER
O.S. SYSTEM ELEPHONE SYSTEM				•		CONTACT AEROPOSTALE CONSTRUCTION MANAGER CONTACT AEROPOSTALE CONSTRUCTION MANAGER
GHTING CONTROL SYSTEM AD LIMITER SYSTEM	1.77.7.		•	1 1	•	INCLUDE PROPER PROGRAMMING, SEE ELECTRICAL SHEETS
CCUPANCY SENSORS		******		-	• •	
KIT SIGNS MERGENCY LIGHTING	10000		•		•	
GHT FIXTURES & TRACK	10000		•		•	
MPS GHT AT MANAGERS DESK		*****	•		•	CONTACT AEROPOSTALE CONSTRUCTION MANAGER FOR SPEC
AIN SIGN WHIP					• •	COORDINATE W/ VENDOR
OSED CIRCUIT TV CAMERA SYSTEM SNSORMATIC SECURITY SYSTEM (*SEE NOTE #2 BELOW)				•	•	CONTACT AEROPOSTALE CONST. MANAGER / WIRING & CONDUIT BY GC
DUND-SYSTEM CONTROL OF THE PROPERTY OF THE PRO			•			CONTACT AEROPOSTALE CONST. MANAGER/WIRING & CONDUIT, BY GC
RE ALARM NÉL ALARM DEVICE @ REAR DOOR	$\checkmark \downarrow \downarrow \land$	₩	Ų,	H	\$	SEE NOTE #1.8 4 BELOW
OOR BELL AND CONTACT					• •	
ALL LANDLORD REQUIRED CONTRACTORS.	G THE FIRS ETERMINE T I SAME DAY	ST WE THE C	EEK (APA) PON:	OF C BILI SE T	CONS TY O	L HVAC OUTAGES DURING THE ONE YEAR WARRANTY PERIOD.

RESPONS	SIE	3I	Ĺ	Ī	ΓΥ	′ (SCHEDULE	
	STING	NOT APPLICABLE	FURNISH LANDLORD		INSTALL VENDOR	TURNISH GENERAL NSTALL CONTRACTOR		
ENERAL PLANT PERO		<u>- </u>	- -	- Ju	.:1 F.			
BUILDING PERMIT/ FEES OTHER PERMITS, FEES, INSURANCE						•	TENANT TO REIMBURSE ACTUAL COSTS OF PERMIT IF REQUIRED	
TRASH REMOVAL & DUMPSTER _CONCRETE SLAB - STRUCTURAL	~	_				• •	INCLUDING NEW DUMPSTER FOR OPS TRUCK, SEE NOTE #1 BELOW	
TEMPORARY BARRICADES	× ·	Ĭ				•	BARRICADE BY LL AT COST TO GC, NOT EXCEED \$3000.)/2\
BARRICADE GRAPHICS CLEAN-UP & FINAL CLEANING	-	1		^ <u>•</u>	\sim	•	BOSTON BARRICADES - GC TO COORDINATE	
TOREFRONT								
DEMOLITION		•						1
NEUTRAL PIERS & LANDLORD BULKHEAD METAL REVEALS	•			- 100 - 100			NEW 3/4" [19mm] BLACK NEUTRAL CHANNEL	1
STRUCTURAL STEEL, LIGHT GAGE FRAMING & CONNECTIONS ROLLING GRILLE, SUPPORT & HARDWARE TUBE STEEL COLUMNS AND CONNECTIONS FOR ROLLING GRILLE TUBE STEEL COLUMNS GLAZING CHANNELS (HRS-1)		•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		•	• •	GC TO COORDINATE W/ VENDOR	
GLASS BRAKE METAL EXTRUSIONS (HRS-1)		•				• •		
FIRE RATED WOOD BLOCKING		- 1			 	• •		1
SHEATHING SIGN ASSEMBLY					•	• •		1
BLADE SIGN & HARDWARE BRICK VENEER & MORTAR (BR-3)		•				• •	GC TO CONTACT REQUIRED VENDOR FOR PRODUCTS	-
WINDOW GRIDS & FROSTING		•					The state of the s	† -
								1
ENERAL CONSTRUCTION DEMOLITION		•						<u> </u>
TRENCHING OF CORE DRILLING OF EXISTING SLAB DEMISING PARTITION STUDS						• •	GC TO X-RAY SLAB PRIOR TO ANY CUTTING]
DEMISING PARTITION GWB		- (c)		(2.00 (2.00 (2.00 (2.00)		• •		1
FIRE SPRAY FIRE STOPPING	**************************************	•				• •		1
CARPENTRY, ROUGH & FINISH BLOCKING & METAL STRAPPING					- 1	• •		
SOUND INSULATION				2.00 2.00 2.00 2.00		• •		1
INTERIOR PARTITION GWB, METAL STUDS, FURRING, ETC. ACOUSTIC CEILING & APPLICABLE FRAMING/ SUSPENSION				7.17. 7.17. 7.17. 7.17.		• •	EXISTING AT TOILET ROOM	_
GYPSUM BOARD CEILING & APPLICABLE FRAMING/ SUSPENSION ACCESS PANELS				222	<u> </u>	• •		-
UNISTRUT/ KINDORF, THREADED ROD & CONNECTIONS	920			- 100 - 100 - 100 - 100 - 100		• •		<u>†</u>
DOORS & FRAMES DOOR HARDWARE	: .			200		• •		1
FITTING ROOM DOORS AND HARDWARE PAINTING		8				• •		1
MOISTURE TEST - FLOOR				7.00			WITHIN 3 DAYS OF THE COMPLETION OF DEMOLITION	1
FLOOR PREPARATION; INCLUDING FLOATING IF NECESSARY FLOOR PROTECTION; INCLUDING CLEANING/ SEALING/ WAXING				- 100 - 100		• •		_
-CONCRETE FLOOR-STAIN AND POLISH MALL TILE FLOORING & GROUT		\Rightarrow			·· V	? .	REPAIRS BY TENANT	2
TENANT TILE FLOORING TENANT GROUT		•	1		\square			
TENANT-VINYL FLOORING & REQUIRED ADHESIVE	$\downarrow \downarrow$	•	\downarrow	\Rightarrow	$ \mid \mid$	\downarrow		
VCT FLOORING, REQUIRED ADHESIVE & SEALANT SHEET VINYL FLOORING, REQUIRED ADHESIVE & SEALANT							RESTROOMS ONLY RESTROOMS ONLY	\
REDUCER STRIP ADHESIVES, ETC. FLOOR TRANSITION STRIPS		→		\ 	$\downarrow \downarrow$	• •	RESTROOMS ONLY	// 2\
SCHLUTER FLOOR TRANSITION STRIP					- F	• •		1
RUBBER COVE BASE WALLPAPER GRAPHICS						• •		_
FRP PANELS BRICK VENEER & MORTAR (BR-3)	•					• •	GC TO CONTACT REQUIRED VENDOR FOR PRODUCTS	
TRIM/ CROWN MOLDING						•		1
								1
IXTURES: ALL ITEMS TO BE DELIVERED WITH FIXTURE PACKAGE, UNL PERIMETER WALL UNITS: WALL PANELS, DIVIDER PANELS, SHELVING, & HARDWA		OTE	D C	IHTC ●	ERW]	ISE •		
(WD-2) WOOD SLAT WALL CASHWRAP & BACKWRAP						•		1
FREE STANDING FIXTURES		- 10 0		•		•		1
ALL NON-SALES SHELVING MANAGERS DESK & SHELVING					34 E	•]
SAFE LOCKERS	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				<u> </u>		OPS TRUCK OPS TRUCK]
AV RACK				: : : : : : : : : : : : : : : : : : :	-		OPS TRUCK	1
EMPLOYEE COUNTER		•		12.00 10 10 10 10 10 10 10 10 10 10 10 10 1				}
ISCELLANEOUS ACCESSORIES: BACKWRAP FLIP FRAMES]
FITTING ROOM HARDWARE / HOOKS	10000 10000 10000 10000	- 6 2 2 3						1
FITTING ROOM BENCHES/ CHAIRS FITTING ROOM MIRRORS & MASTICS/ FRAMES	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00		: • ::::		• •		1
WINDOW DISPLAY GRIDS THROW RUG		•	10.10 10.10 10.10 10.10	•		•	OPS TRUCK	1
VISUAL FIXTURE/MANNEQUINS, ETC.	4	\Rightarrow	\Rightarrow	•	•	_	VISUAL-DEPARTMENT	KA.
TOILET ROOM ACCESSORIES (HARDWARE) FIRE EXTINGUISHERS		1	1	^		• •		1/2
ADA SIGNAGE @ ACCESSIBLE FITTING ROOM ADA SIGNAGE @ TOILET ROOM(S)		- 10 0			_	• •	SIGN TO BE BLACK WITH CONTRAST & BRAILLE LETTERS	-
	1000	- 1		1333		_	<u> </u>	1

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



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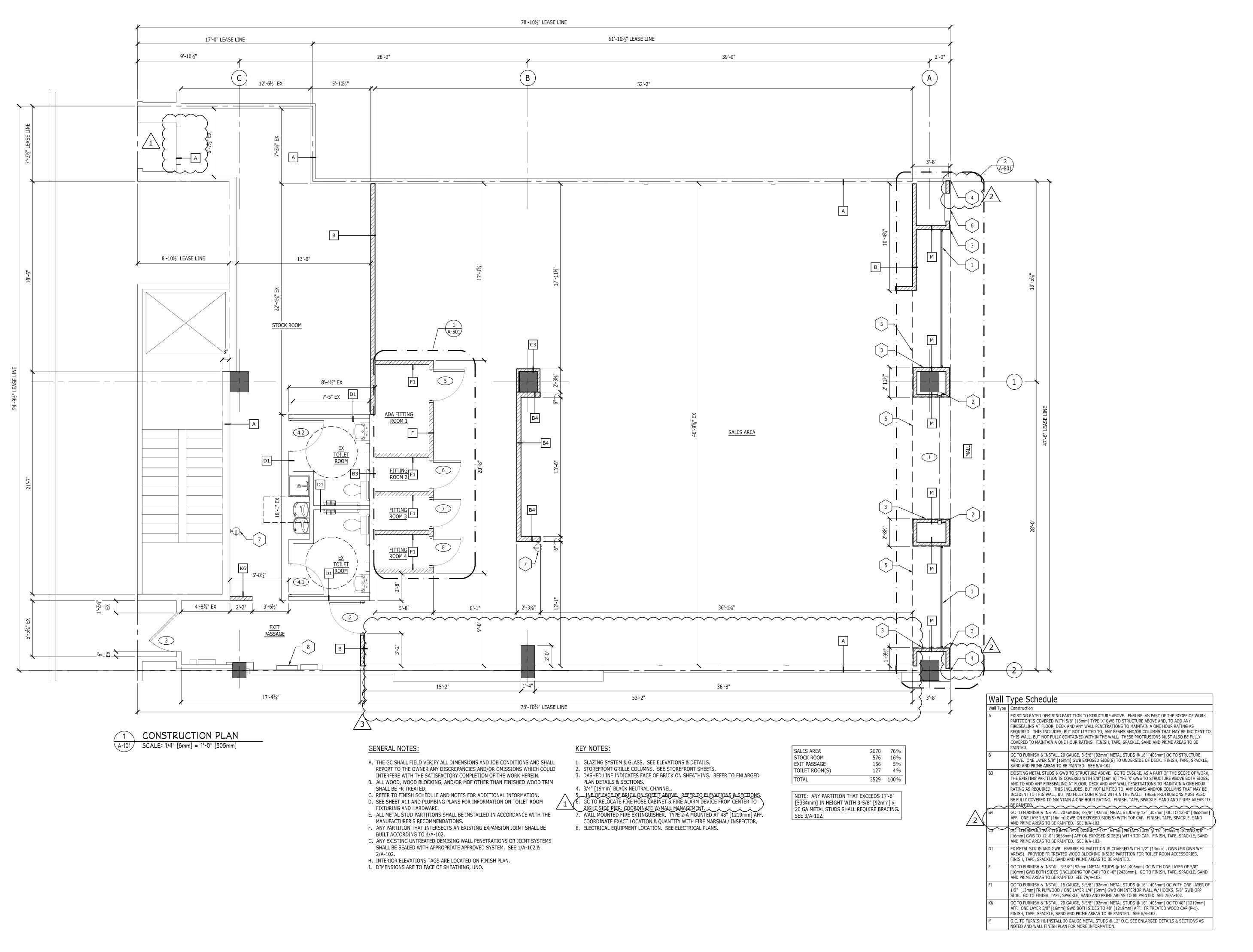
DATE: 06/01/2019

DRAWN BY: PWG

PROJECT NO.: 19156

INFORMATION SHEET

G-101.00



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KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234



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3 08/02/2019 CONSTRUCTION REVISIONS
2 06/17/2019 LANDLORD REVISIONS
1 05/22/19 INTERNAL REVISIONS

DATE: 05/17/2019

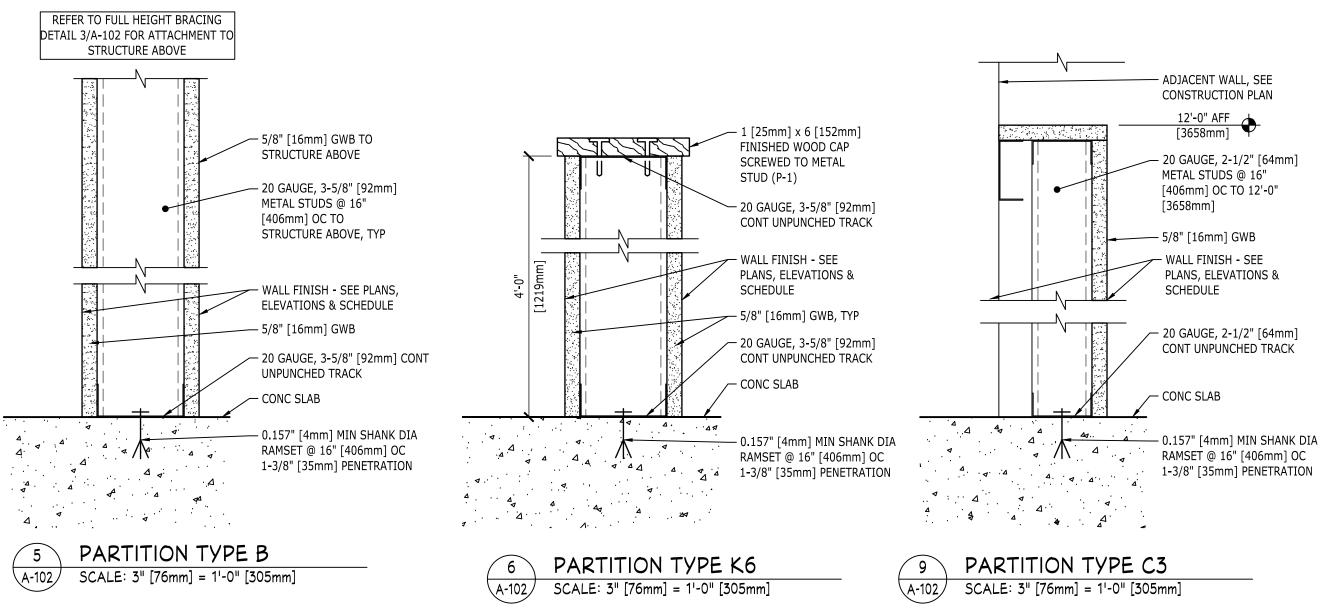
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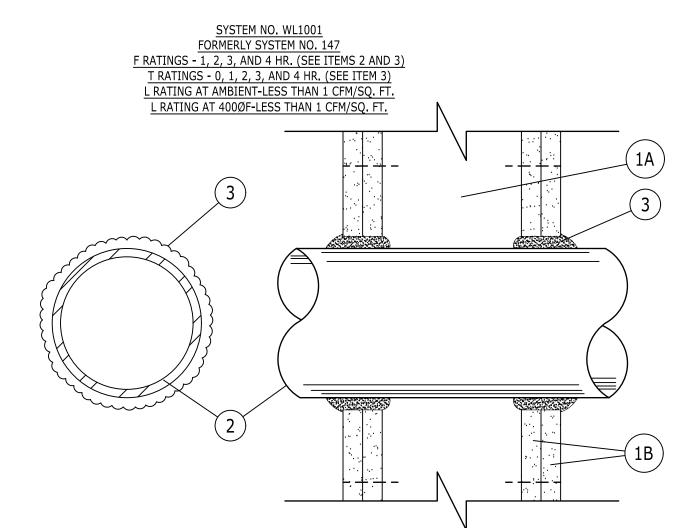
PROJECT NO.: 18468

NO. DATE DESCRIPTION

CONSTRUCTION PLAN

A-101.00





- 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 13-1/2 IN. [343mm].
- 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 DICTED AS SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
- 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 FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

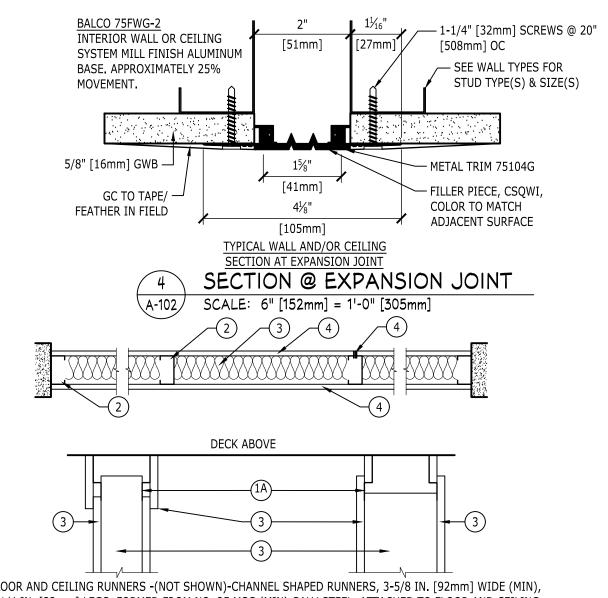
F	T
RATING,	RATING,
<u>HR.</u>	<u>HR.</u>
1 or 2	0+, 1 or 2
2 [13mm] 2 or 4	3 or 4
1 or 2	0
m] 1 or 2	0
2 [13mm] 3 or 4	0
/8 [10mm] 1 or 2	0
	RATING, <u>HR.</u> 1 or 2 2 [13mm] 2 or 4 1 or 2

+ 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 U.L. DESIGN NO. WL1001

SCALE: N.T.S.



- 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.
- 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.
- BATTS AND BLANKETS*-(OPTIONAL)-MINERAL WOOD OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY. SEE BATTS AND BLANKETS (BZJZ) CATEGORY FOR THE NAMES OF CLASSIFIED
- 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 S 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 FSK-G, FSW-G.

NATIONAL GYPSUM CO., RIYADH, SAUDI ARABIA - TYPE FR OR WR.

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-5.

UNITED STATES GYPSUM CO. - TYPE AR, C, IP-X2, SCX, SHX, WRC, OR WRX.

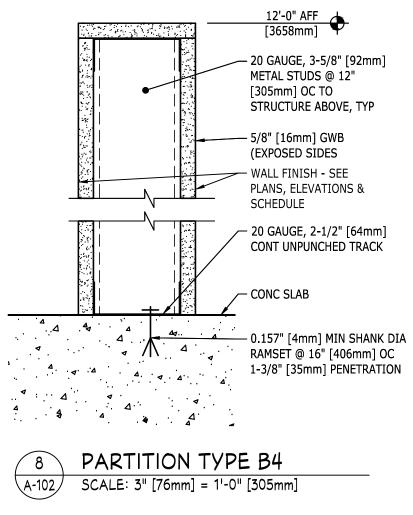
WESTROC INDUSTRIES LTD. - TYPE WESTROC FIREBOARD.

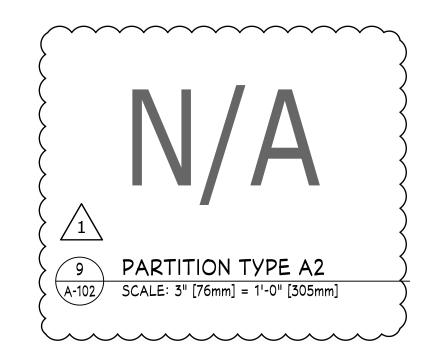
- WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEM 4)-NOM 3/4 IN. [19mm] THICK, 4 FT. [1219mm] WIDE, INSTALLED AS DESCRIBED IN ITEM 4 WITH SCREW LENGTH INCREASED TO 1-1/4 IN. [32mm] UNITED STATES GYPSUM CO. TYPE AR.
- WALLBOARD, GYPSUM*-(AS AN ALTERNATE TO ITEMS 4 AND 4A) 5/8 IN. [16mm] THICK INSTALLED AS DESCRIBED IN ITEM 4. JOINT COVERING (ITEM 5) NOT REQUIRED.

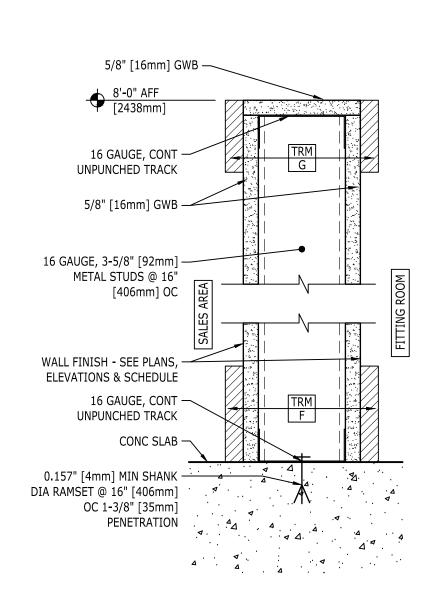
 UNITED STATES GYPSUM CO. TYPE WSX.
- JOINT TAPE AND COMPOUND-VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, 2 IN. [51mm] WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOMINAL 3/32 IN. [2mm] THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD. JOINTS REINFORCED.
- 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.

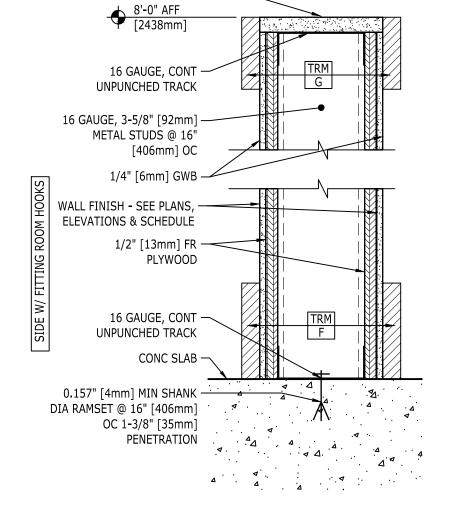
 *BEARING THE UL CLASSIFICATION MARKING.

TYPICAL 1-HR RATED PARTITION U.L. DESIGN NO. U465 SCALE: 3" [76mm] = 1'-0" [305mm]





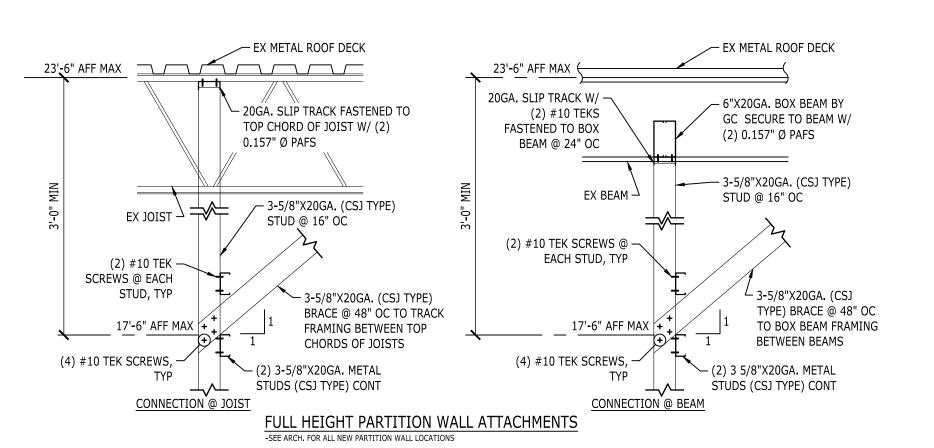




5/8" [16mm] GWB —

7A PARTITION TYPE F
A-102 SCALE: 3" [76mm] = 1'-0" [305mm]





FULL HEIGHT WALL BRACING DETAIL

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

AÉROPOSTALE #99

KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234



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

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

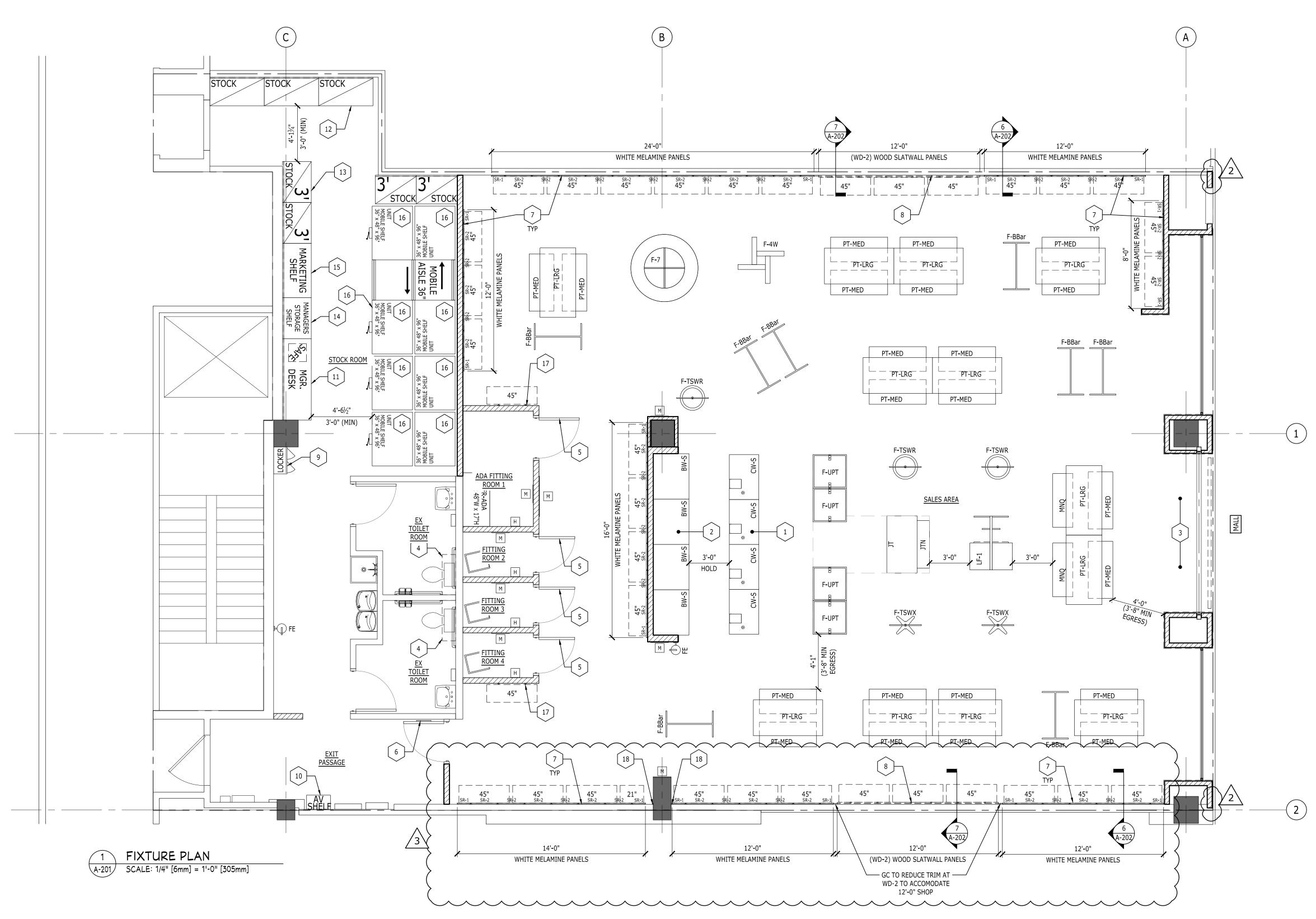
WALL TYPE DETAILS

NOTE: ANY PARTITION THAT EXCEEDS 17'-6"

SHALL REQUIRE BRACING. SEE 3/A-102.

IN HEIGHT WITH 3 5/8" x 20 GA. METAL STUDS

A-102.00



KEY NOTES:

- 1. 4 SECTION CASHWRAP. SEE ELEVATIONS.
- 2. 4 SECTION BACKWRAP. SEE ELEVATIONS. 3. SECURITY SYSTEM. COORDINATE WITH VENDOR.
- 4. TOILET ROOM SHELVING. (2) SURFACE MOUNTED STANDARDS WITH (2) 12" [305mm] DEEP x 36" [914mm] WIDE WHITE MELAMINE SHELVES.
- 5. FITTING ROOM DOOR AND FRAME ASSEMBLY. SEE FITTING ROOM SHEETS FOR DETAILS.
- 6. 13" [330mm] WIDE x 49" [1245mm] TALL MIRROR ON BACK OF STOCK DOOR. 7. PERIMETER WALL PANELS, HARDWARE & SHELVES. 6" [152mm] METAL STRAPPING ON WALLS.
- SEE INTERIOR ELEVATIONS & 6/A-202. 8. (WD-2) WOOD SLATWALL. SEE INTERIOR ELEVATIONS & 7/A-202.
- 9. STAFF LOCKERS. SECURE THE LOCKERS TO THE WALL & FLOOR.
- 10. AUDIO/ VIDEO WALL SHELF. SEE ELECTRICAL PLANS. 11. MANAGER'S DESK & SAFE BELOW DESK. SLEEVE BOLT SAFE TO FLOOR AS SHOWN IN FIXTURE
- HANDBOOK. SEE 1/A-202. 12. 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 SHELVING. ANCHOR TO FLOOR AND ADJACENT SHELVES PER FIXTURE HANDBOOK. FOR SHELVING ADJACENT TO A WALL, ANCHOR TO WALLS USING VENDOR SUPPLIED COMPONENTS. ALL VERTICAL UPRIGHTS FOR THE SHELVING UNITS MUST BE SECURED TO THE WALL USING SURFACE MOUNTED HORIZONTAL BLOCKING AT THE
- BOTTOM, MIDDLE & TOP OF THE SHELVING UNIT. SEE ELEVATION 3/A-202. 13. 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 SHELVING. ANCHOR TO FLOOR AND ADJACENT SHELVES SIMILAR
- TO (STANDARD) STOCK SHELVES. SEE SIMILAR ELEVATION 3/A-202. 14. 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. 15. 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. 16. MOBILE STOCK ROOM SHELVING UNIT. ALL FLOOR TRACKS TO BE LEVELED PRIOR TO
- INSTALLATION OF SHELVING. SEE MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL
- 17. SURFACE MOUNT STANDARDS, POWDER COATED TO MATCH (P-7). FURNISHED BY VENDOR, INSTALLED BY GC. ZIP TOGGLES FOR MOUNTING F&L BY GC. $\sqrt{3}$ 18. GC TO INSTALL $\frac{7}{8}$ " MIN HAT CHANNELS ON EITHER SIDE OF EXISTING COLUMN.

GENERAL NOTES:

- A. 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.
- B. FOR ALL PERIMETER WALL PANELS: GC SHALL INSTALL BRACKETS, SHELVING AND HARDWARE PRIOR TO TURNOVER. REFER TO FIXTURE INSTALLATION GUIDE FOR MORE
- INFORMATION.
- C. GC SHALL PLACE ALL FLOOR FIXTURES IN ACCORDANCE WITH PLAN, LEVELED IN PLACE, AND ALL DAMAGED/MISSING LEVELERS TO BE REPLACED.
- D. FREE STANDING FLOOR FIXTURES SHALL BE PLACED TO ALLOW A 44" [1118mm] WIDE MIN
- EGRESS AISLE, CONTINUOUS FROM FRONT TO BACK OF SALES AREA.
- E. IT IS THE FIXTURE VENDOR'S RESPONSIBILITY TO SHIP THE PERIMETER PANEL HEIGHTS AS INDICATED ON THESE PLANS.

AÉROPOSTALE

KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234



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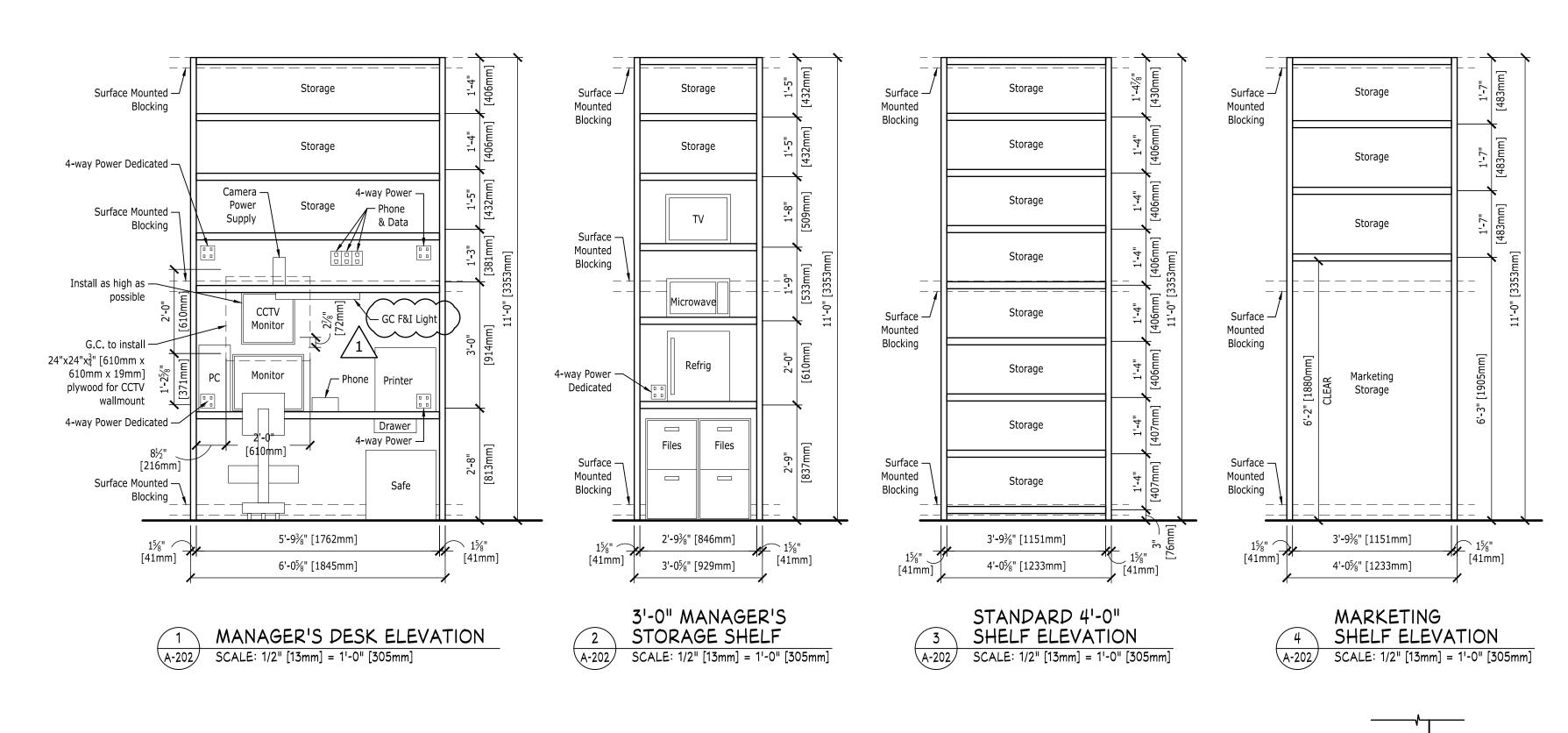
3 08/02/2019 CONSTRUCTION REVISIONS

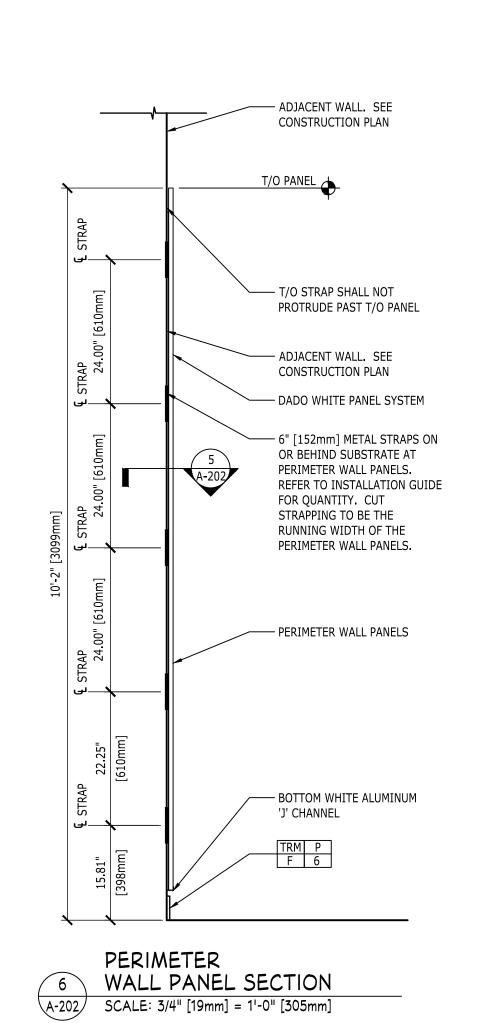
06/17/2019 LANDLORD REVISIONS NO. DATE DESCRIPTION

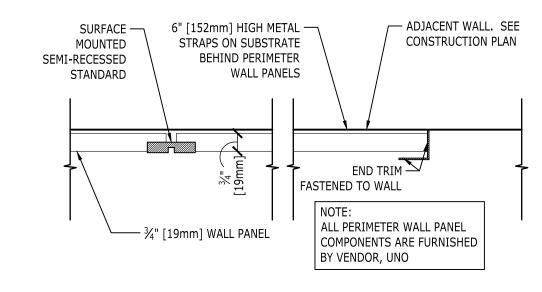
DATE: 05/17/2019 DRAWN BY: HCG PROJECT NO.: 18468

FIXTURE PLAN

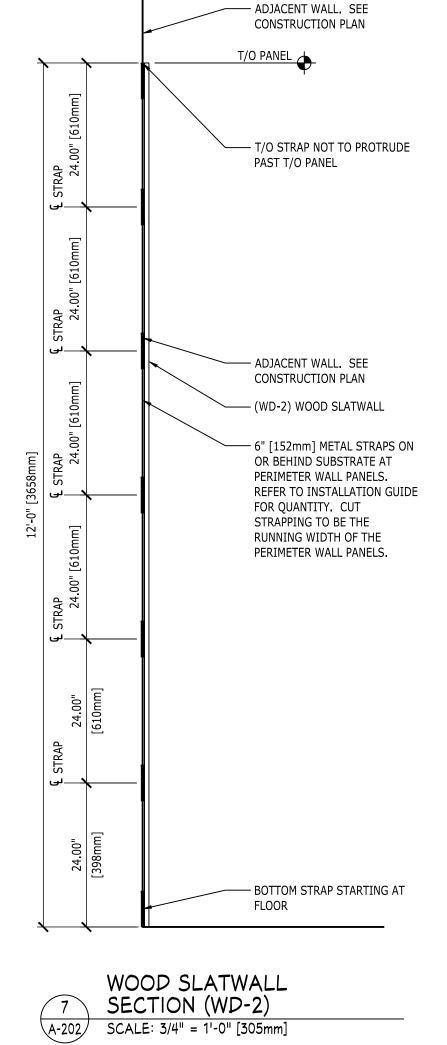
A-201.00











AÉROPOSTALE #99

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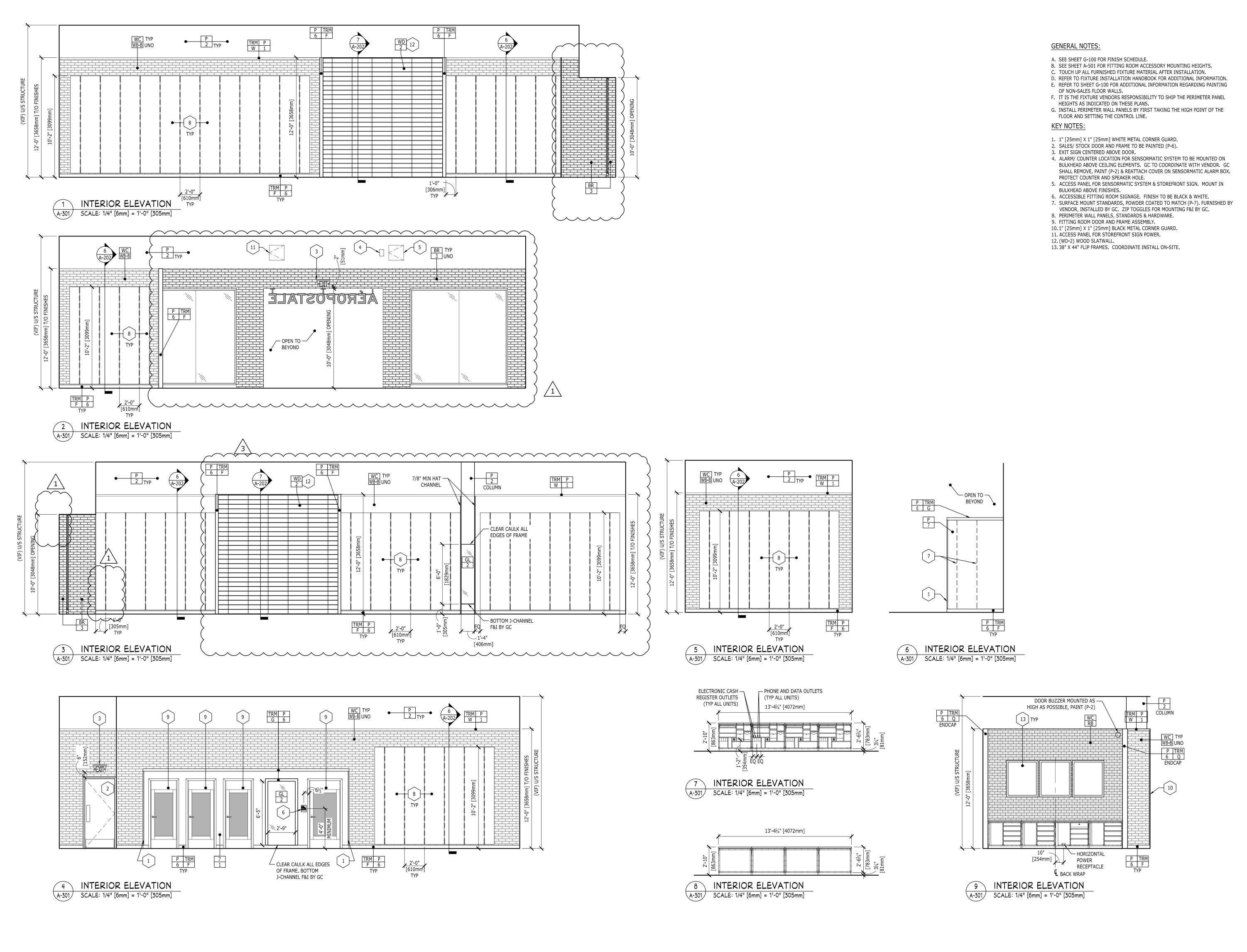
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1	05/22/19	INTERNAL REVISIONS
NO.	DATE	DESCRIPTION
		· · · · · · · · · · · · · · · · · · ·

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

FIXTURE DETAILS

A-202.00

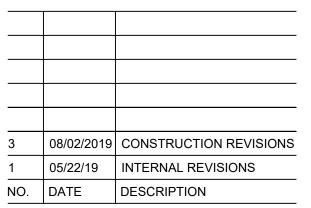


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KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234



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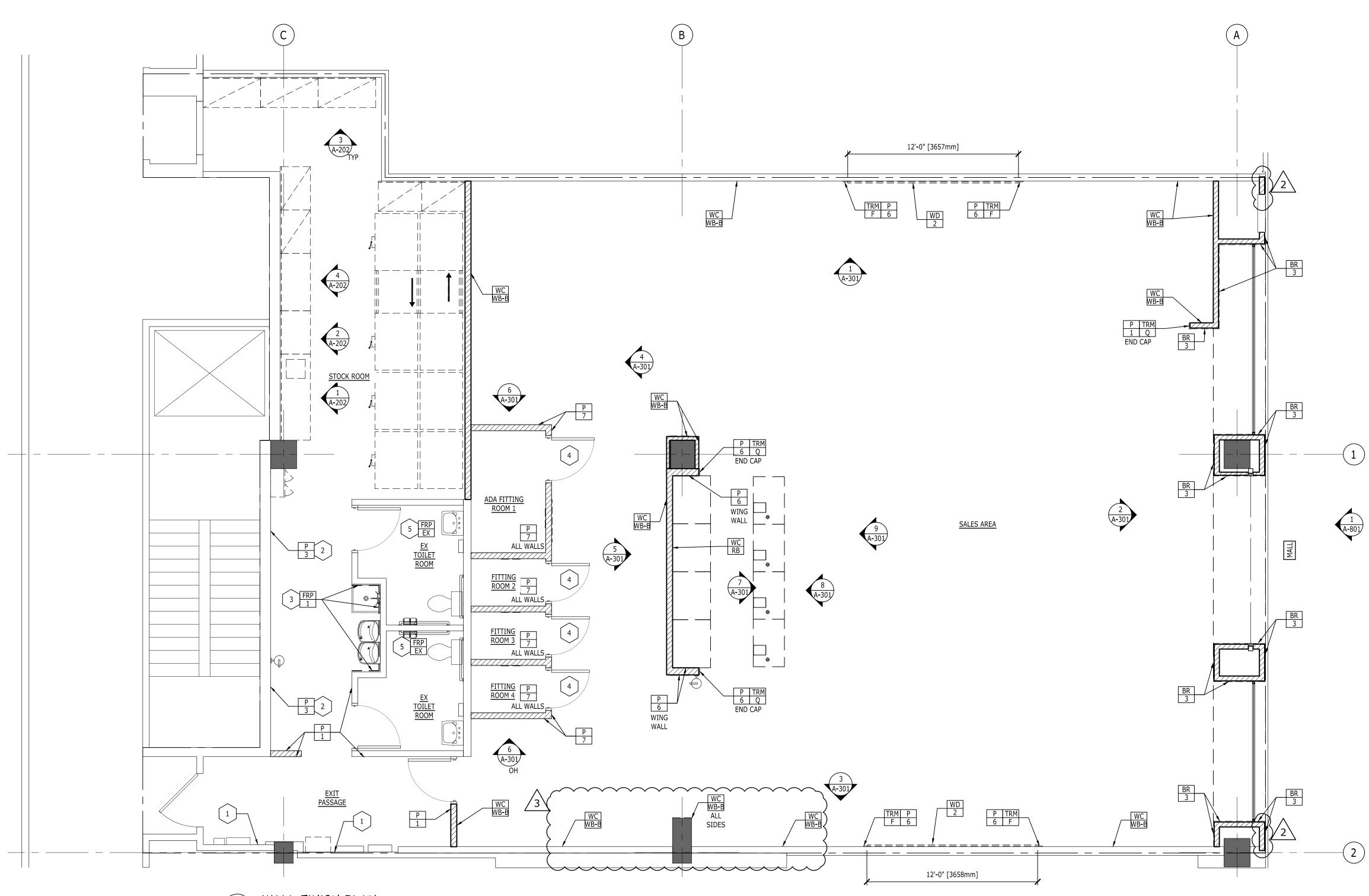
DATE: 05/17/2019

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PROJECT NO.: 18468

INTERIOR ELEVATIONS

A-301.00



1 WALL FINISH PLAN
A-302 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.
- 'TEAM WALL', PAINT ENTIRE WALL (P-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.

AÉROPOSTALE

9

KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234



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3 08/02/2019 CONSTRUCTION REVISIONS
2 06/17/2019 LANDLORD REVISIONS

NO. DATE DESCRIPTION

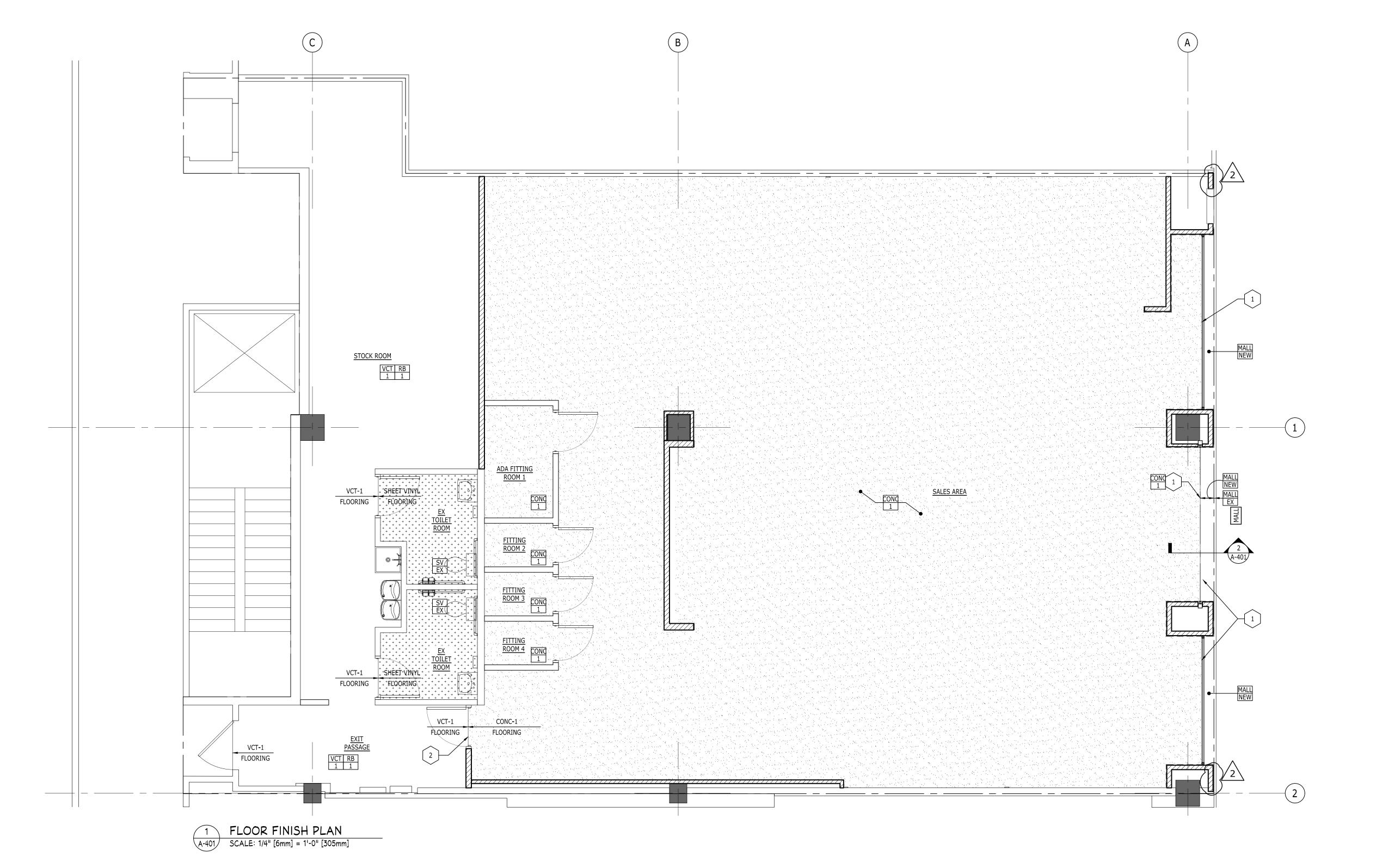
DATE: 05/17/2019

DRAWN BY: HCG

PROJECT NO.: 18468

WALL FINISH PLAN

A-302.00



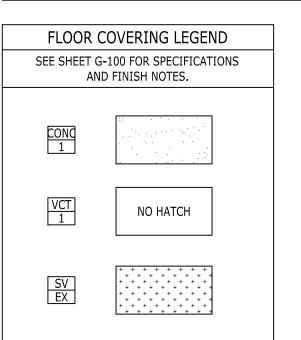


- A. THE FLOORING MATERIAL (CONC-1) IS BY FLOORING VENDOR. SEE
- B. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR CLEANING AND SEALING
- C. INSTALL FLOORING BEFORE PERIMETER SALES AREA FIXTURES, CASH
- WRAP & BACK WRAP ARE SET. D. BUTT JOINT ALL FLOOR TRANSITIONS AS TIGHT AS POSSIBLE TO
- PROVIDE FLUSH TRANSITION, TYP UNO. E. SEE 3/A-401 FOR EXPANSION JOINT CONDITION(S), IF APPLICABLE.
- F. SEE INTERIOR ELEVATIONS FOR BASE LOCATIONS. G. SEE FINISH SCHEDULE ON SHEET G-100 FOR INFORMATION ON
- 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.
- I. 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. J. PLACE EXCESS FLOORING ON STOCK ROOM SHELF.

KEY NOTES:

1. FLOORING TO CLOSURE LINE / THRESHOLD. SEE DETAIL 2/A-401. 2. 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%	ApacEncapseal 2 COAT SYSTEM				
90% +	ARDEX MC RAPID MOISTURE CONTROL SYSTEM				



PROFILE SELECTION CHART

J.O. MINIMUM AND MAXIMUM VALUES ARE <u>AFTER</u> THERMAL MOVEMENT OCCURS. MODEL NO.

AT EXISTING EXPANSION JOINTS IN THE FLOOR, USE THIS DETAIL AND THE APPROPRIATE PROFILE

DETERMINED BY THICKNESS OF FINISH FLOOR MATERIAL (UP TO 3/8" [10mm] MAX).

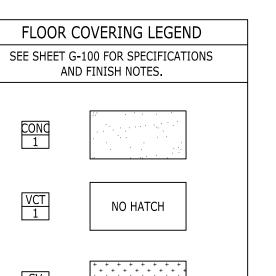
JOINT OPENING AND HORIZONTAL MOVEMENT

SYSTEM DIMENSIONS

WABO | FJS-200.375 |

4/A-102.

EXPOSED | FLOOR COVERING |



A-401.00

2 06/17/2019 LANDLORD REVISIONS

06/01/2019

NO. DATE DESCRIPTION

DRAWN BY: PWG

PROJECT NO.: 19156

FLOOR

FINISH

PLAN

AÉROPOSTALE

C3 CENTRE

SPACE #B312

SIR SOLOMON

HOCHOY HIGHWAY

NORTH OF CORINTH

INTERCHANGE

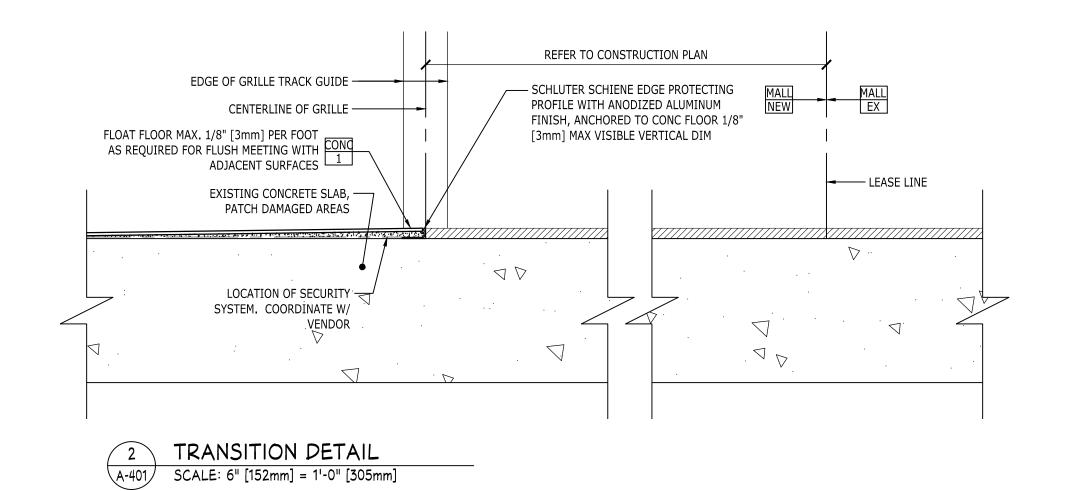
CORINTH, SAN

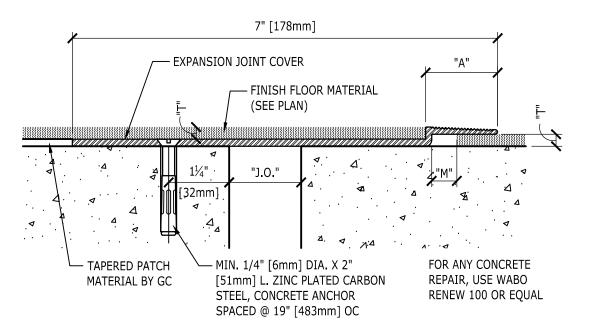
FERNANDO, TRINIDAD

₱ 412.243.3430 **₹** 412.224.4747

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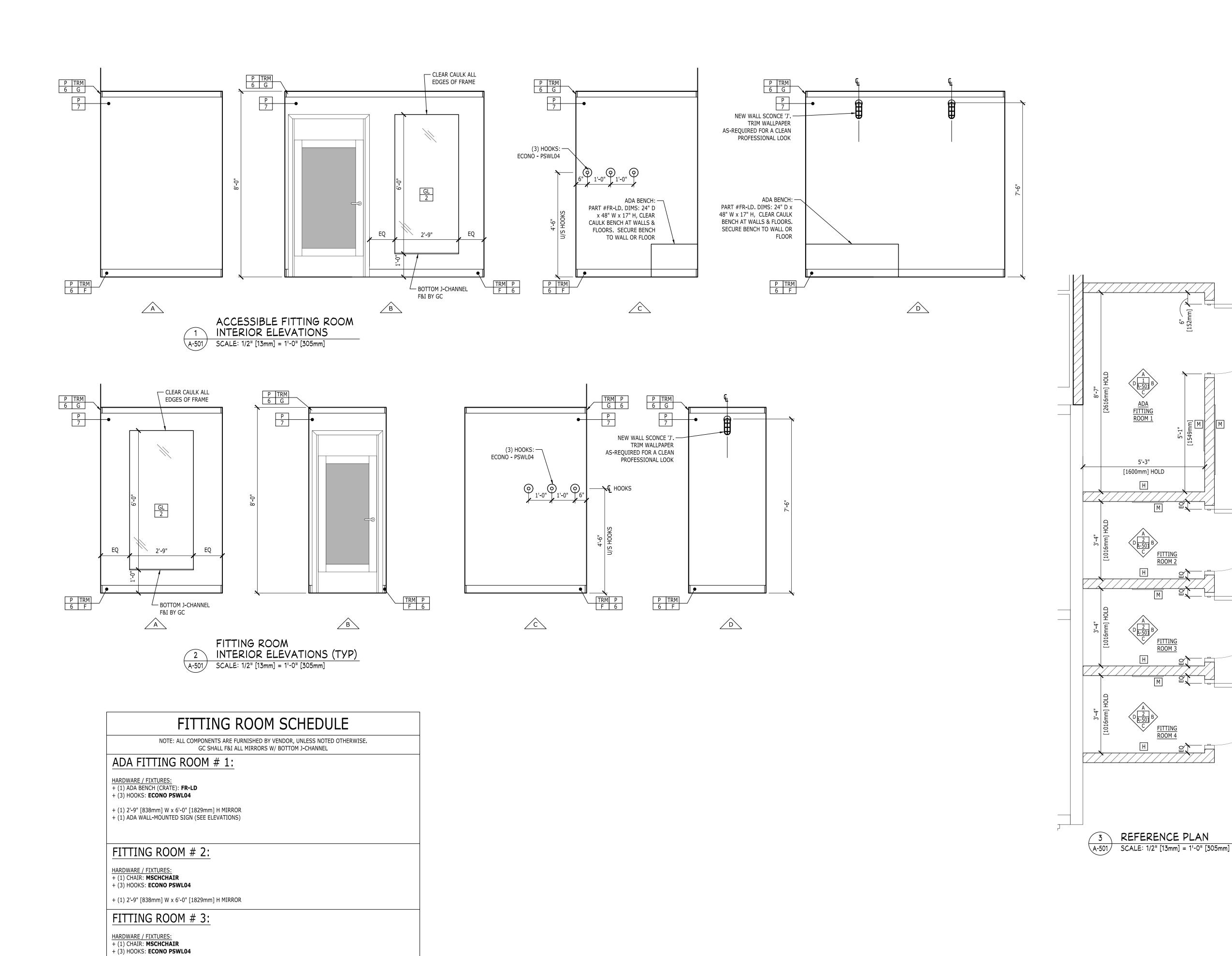
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TYPICAL FLOOR TO FLOOR SECTION AT EXPANSION JOINT

EXPANSION JOINT SECTION A-401 SCALE: 6" [152mm] = 1'-0" [305mm]



+ (1) 2'-9" [838mm] W x 6'-0" [1829mm] H MIRROR

+ (1) 2'-9" [838mm] W x 6'-0" [1829mm] H MIRROR

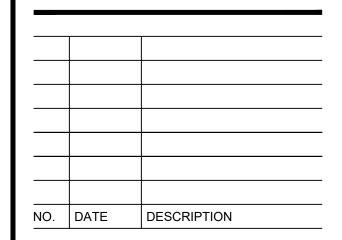
FITTING ROOM # 3:

HARDWARE / FIXTURES: + (1) CHAIR: MSCHCHAIR + (3) HOOKS: ECONO PSWL04 AÉROPOSTALE #99

KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234



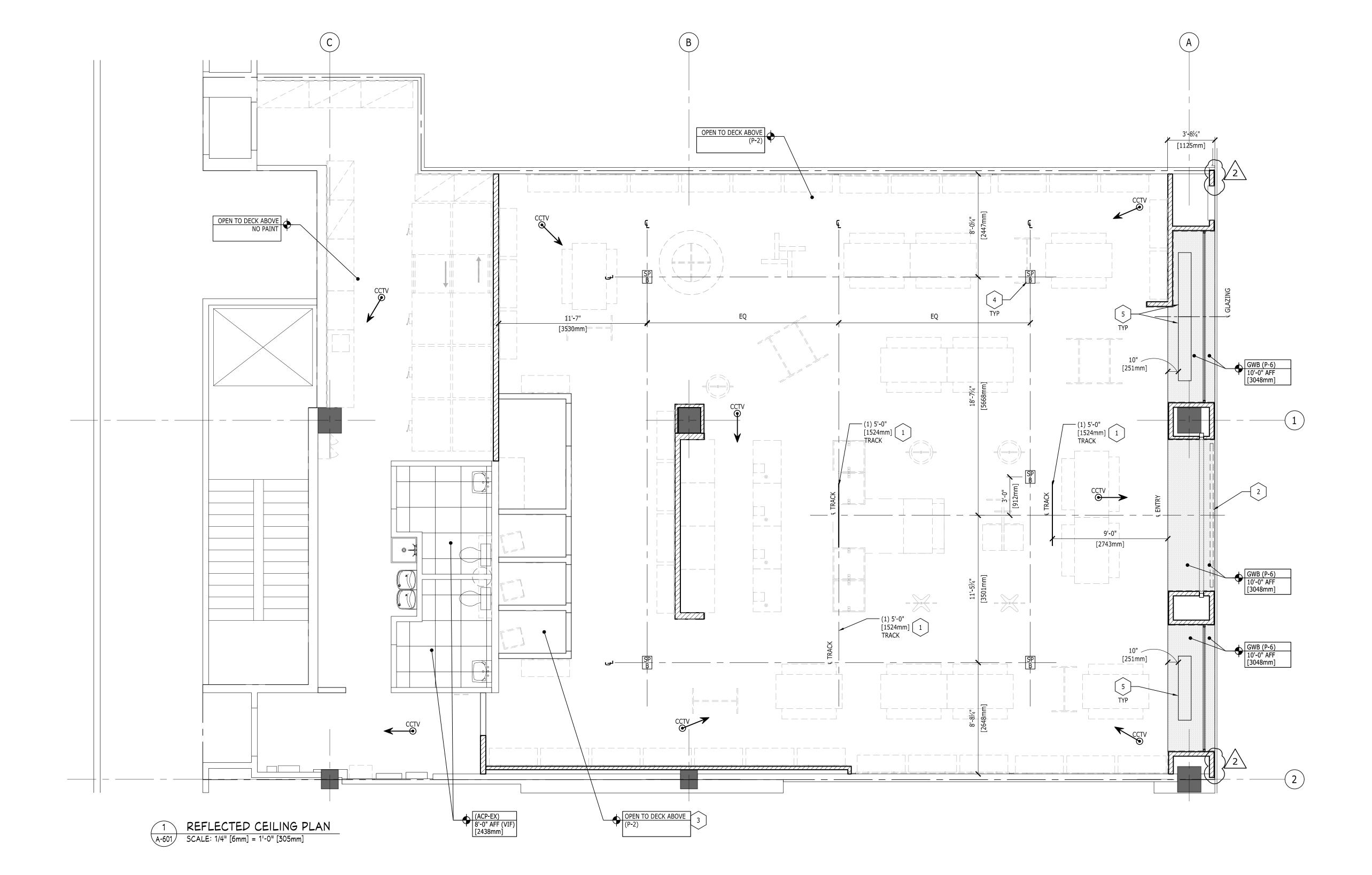
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FITTING ROOM INTERIOR ELEVATIONS

A-501.00



GENERAL NOTES:

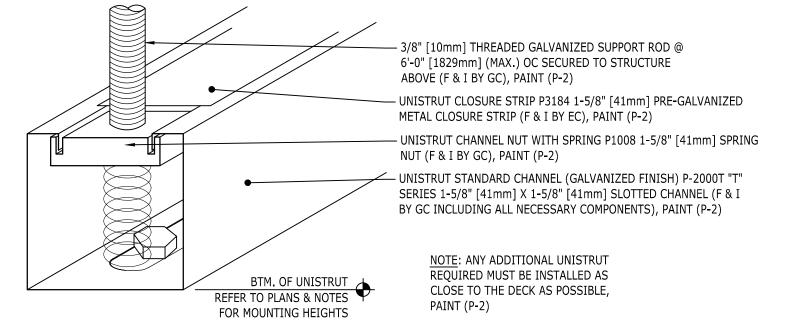
- A. ALL SPRINKLER MAINS AND BRANCH LINES MUST BE RAISED ABOVE THE SPECIFIED CEILING/ BULKHEAD HEIGHTS AT GC'S EXPENSE. REFER TO SPRINKLER PLANS FOR
- ADDITIONAL INFORMATION. B. ALL SPRINKLER HEADS IN STOCK ROOM TO BE 30" [762mm] ABOVE THE HIGHEST
- STOCK SHELF (MINIMUM). C. ANY GWB CEILING/ BULKHEAD SYSTEM THAT INTERSECTS AN EXISTING EXPANSION
- JOINT SHALL BE BUILT ACCORDING TO 4/A-102.
- D. REFER TO MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. E. REFER TO LIGHTING PLAN FOR LIGHT LOCATIONS.
- F. DIMENSIONS ARE TO THE CENTERLINE OF OBJECTS, UNLESS NOTED OTHERWISE. G. REFER TO SHEET G-100 FOR ADDITIONAL INFORMATION REGARDING PAINTING OF THE
- H. DIFFUSERS SHALL MATCH SPECIFIED CEILING COLOR. REFER TO PLANS & G-100 FOR
- I. 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:

- 1. SURFACE MOUNTED MARKETING TRACKS (P-2). SEE DETAIL 2/A-601.
- 2. LINE OF STOREFRONT SIGN. SEE SIGN SHOP DRAWINGS. 3. OPEN TO DECK ABOVE FITTING ROOMS.

5. SURFACE MOUNTED MARKETING GRID.

- 4. MUSIC SYSTEM. COORDINATE EXACT SPEAKER (SP) QUANTITY AND LOCATIONS WITH VENDOR.
- SYMBOL LEGEND BLACK, KINDORF MOUNTED SPEAKER (12'-6" AFF) CCTV, SEE ELECTRICAL DRAWINGS



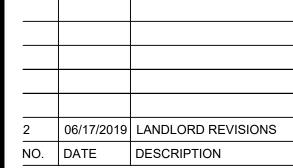
UNISTRUT DETAIL A-601 SCALE: 1/4" [6mm] = 1'-0" [305mm]

AÉROPOSTALE

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



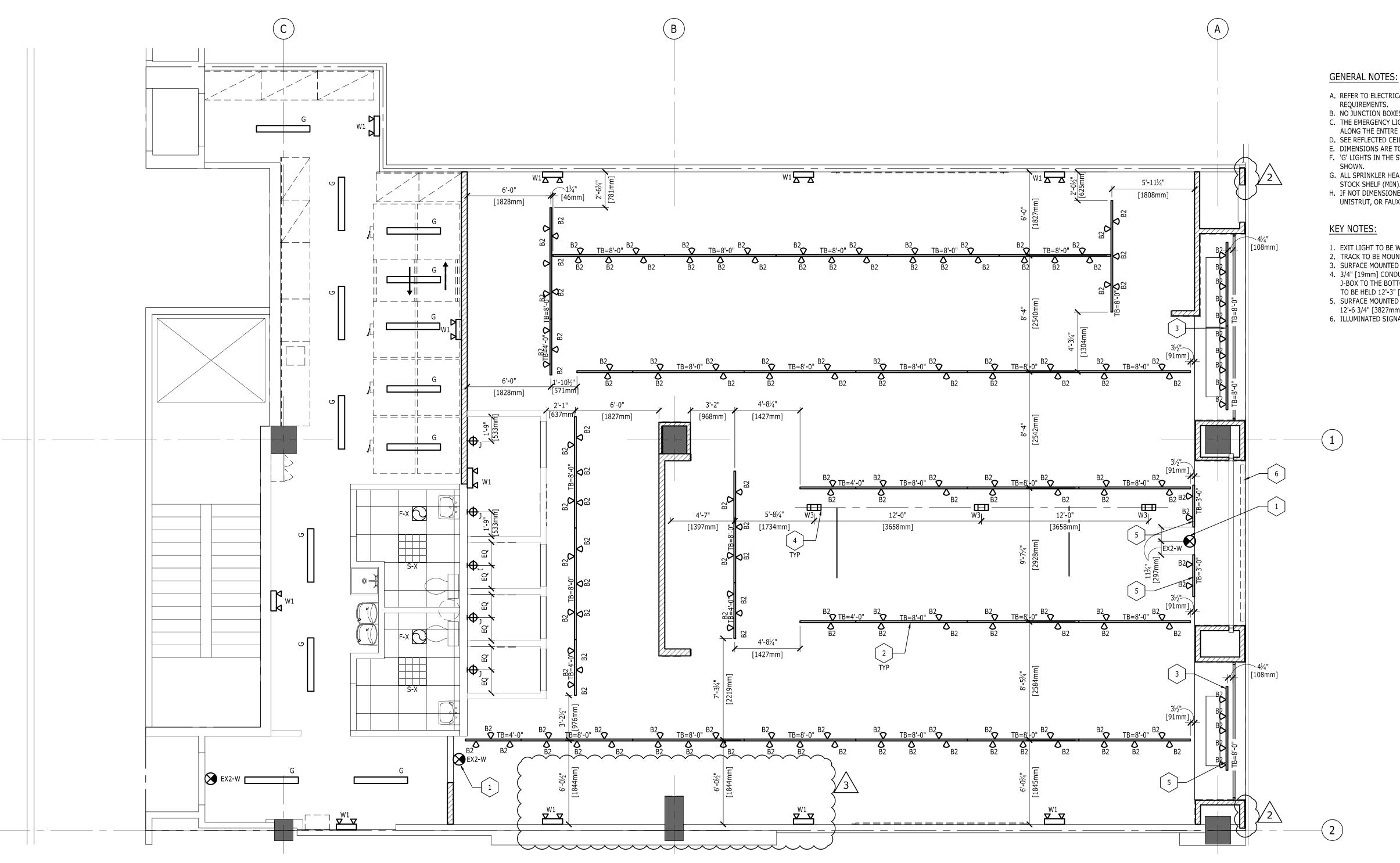
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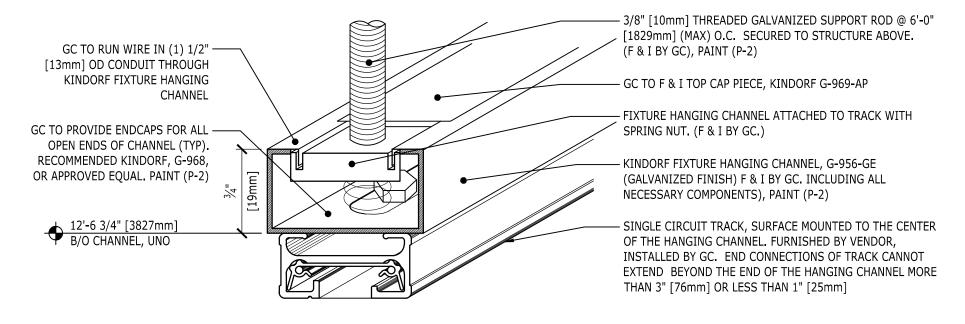
DATE: 06/01/2019 DRAWN BY: PWG PROJECT NO.: 19156

REFLECTED CEILING PLAN

A-601.00



LIGHTING PLAN A-701 SCALE: 1/4" [6mm] = 1'-0" [305mm]



2 KINDORF DETAIL A-701 SCALE: N.T.S.

	LIGHTING FIXTURE SCHEDULE										
SYMBOL	TYPE	MANUFACTURER	PRODUCT NUMBER	FINISH	DESCRIPTION	LAMPING	MTG. METHOD	MTG. HGT.	VOLTS	COMMENTS	
ТВ	TRACK	ONUL	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	
<u> </u>	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	
Q	F-X		EXISTING EXHAUST FAN		FAN		SURFACE	CEILING		EXISTING EXHAUST FAN	
	G	LAMAR	#S132-E8U-NY-WG140P	WHITE	STRIP LIGHT	(1) 32 WATT T8 3500K	PENDANT	13'-0"	120	MOUNTING COMPONENTS FURNISHED & INSTALLED BY GC	
Ф	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	
22	W1	NAVILITE	N1WH-ADV	WHITE	EMERGENCY LIGHT	INCLUDED	WALL	11'-8"/SALES 13'-0"/STOCK	120	BATTERY BACK-UP	
B	W3	NAVILITE	N2BL-MOD	SEE COMMENTS	SALES SURFACE EMERGENCY LIGHT	INCLUDED	KINDORF	KINDORF (OPEN CLG)	120		

A. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION AND

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 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.

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'-6 3/4" [3827mm] AFF.

6. ILLUMINATED SIGNAGE. SEE SIGN SHOP DRAWINGS.



AÉROPOSTALE

KINGS PLAZA

SPACE 2248

5100 KINGS PLAZA

BROOKLYN, NY

11234

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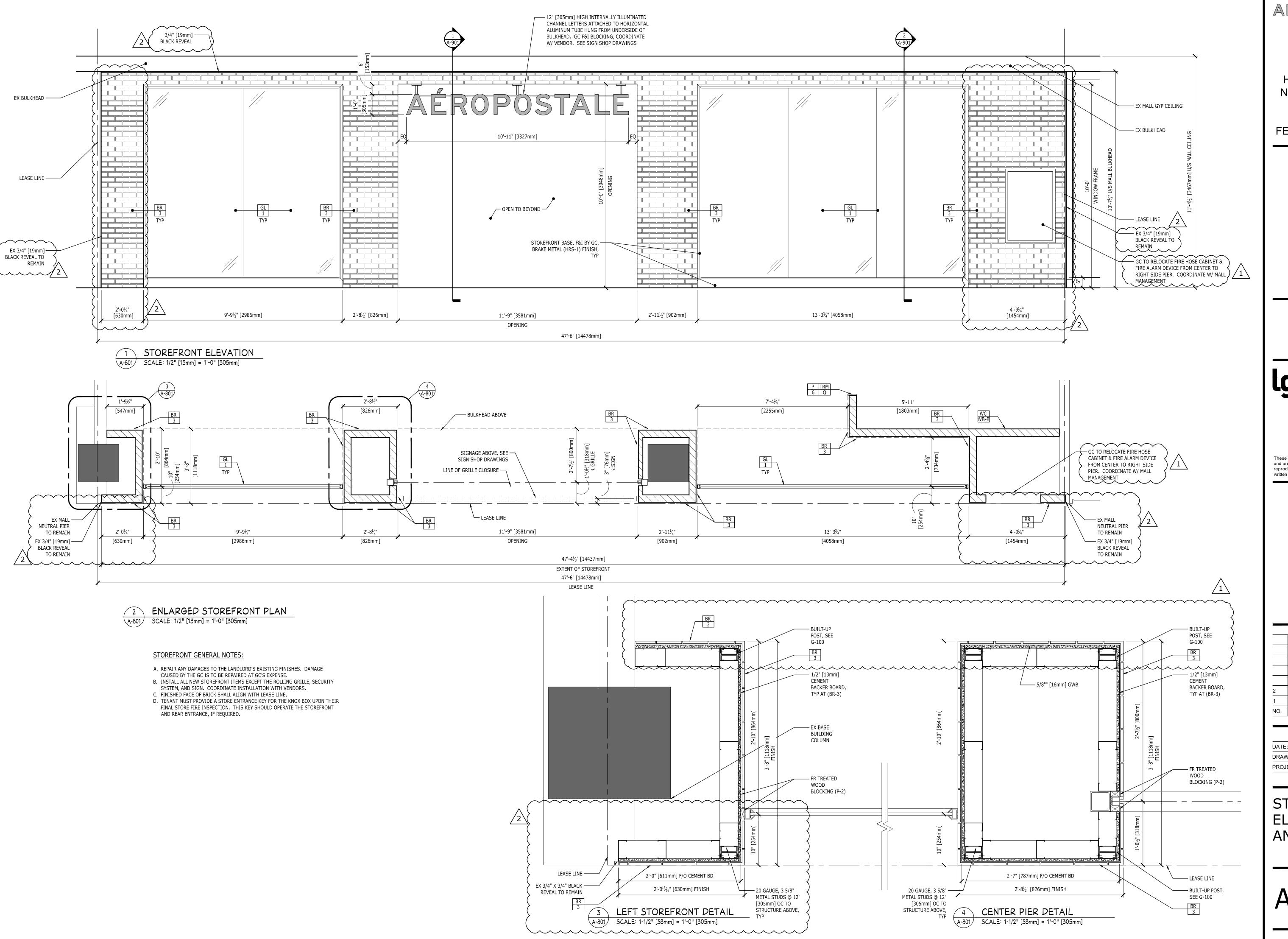
3 08/02/2019 CONSTRUCTION REVISIONS 2 06/17/2019 LANDLORD REVISIONS

DRAWN BY: HCG PROJECT NO.: 18468

NO. DATE DESCRIPTION

LIGHTING PLAN

A-701.00



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

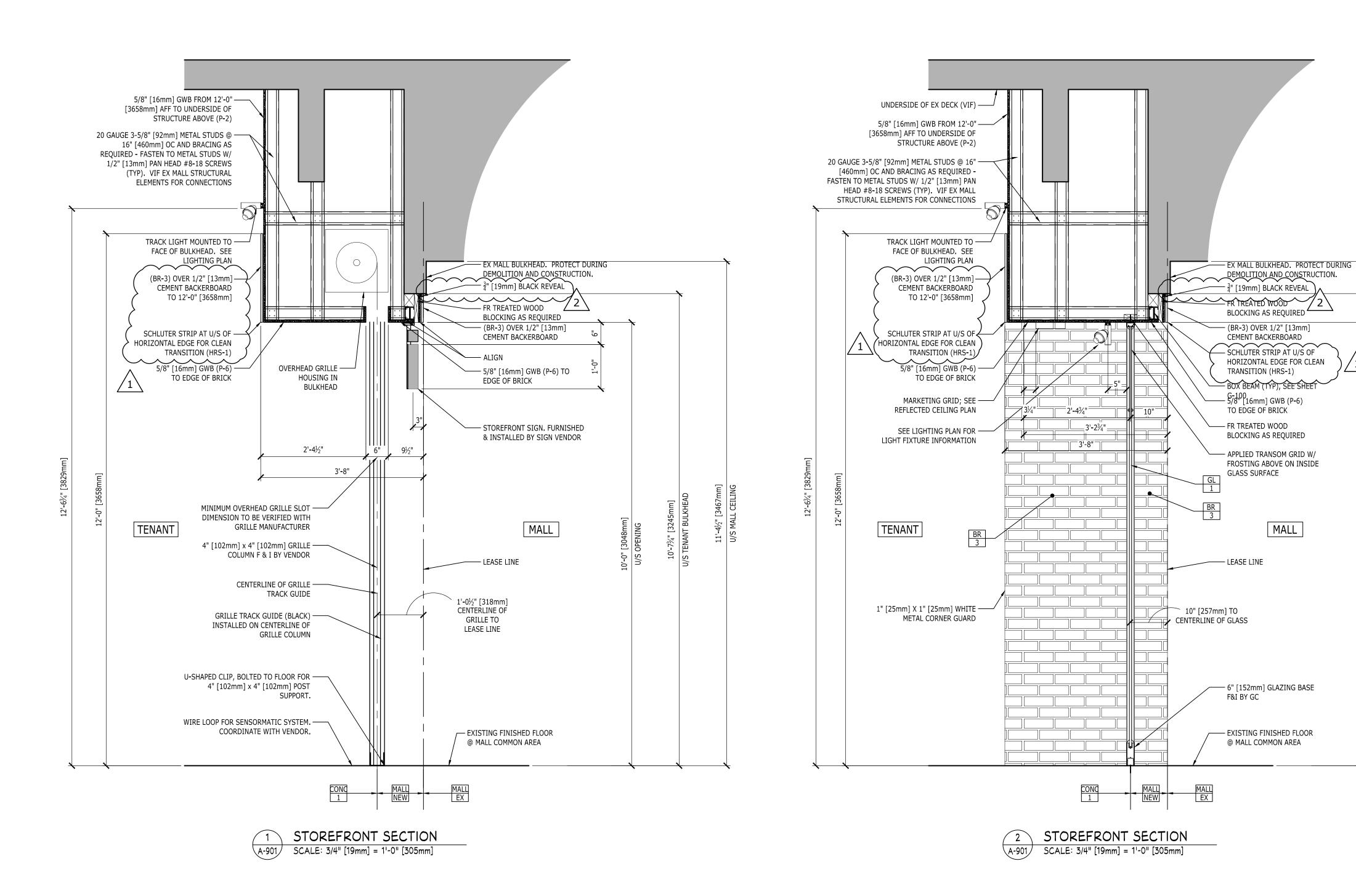
 DATE:
 06/01/2019

 DRAWN BY:
 PWG

 PROJECT NO.:
 19156

STOREFRONT ELEVATION AND DETAILS

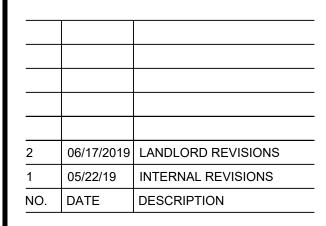
A-801.00



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



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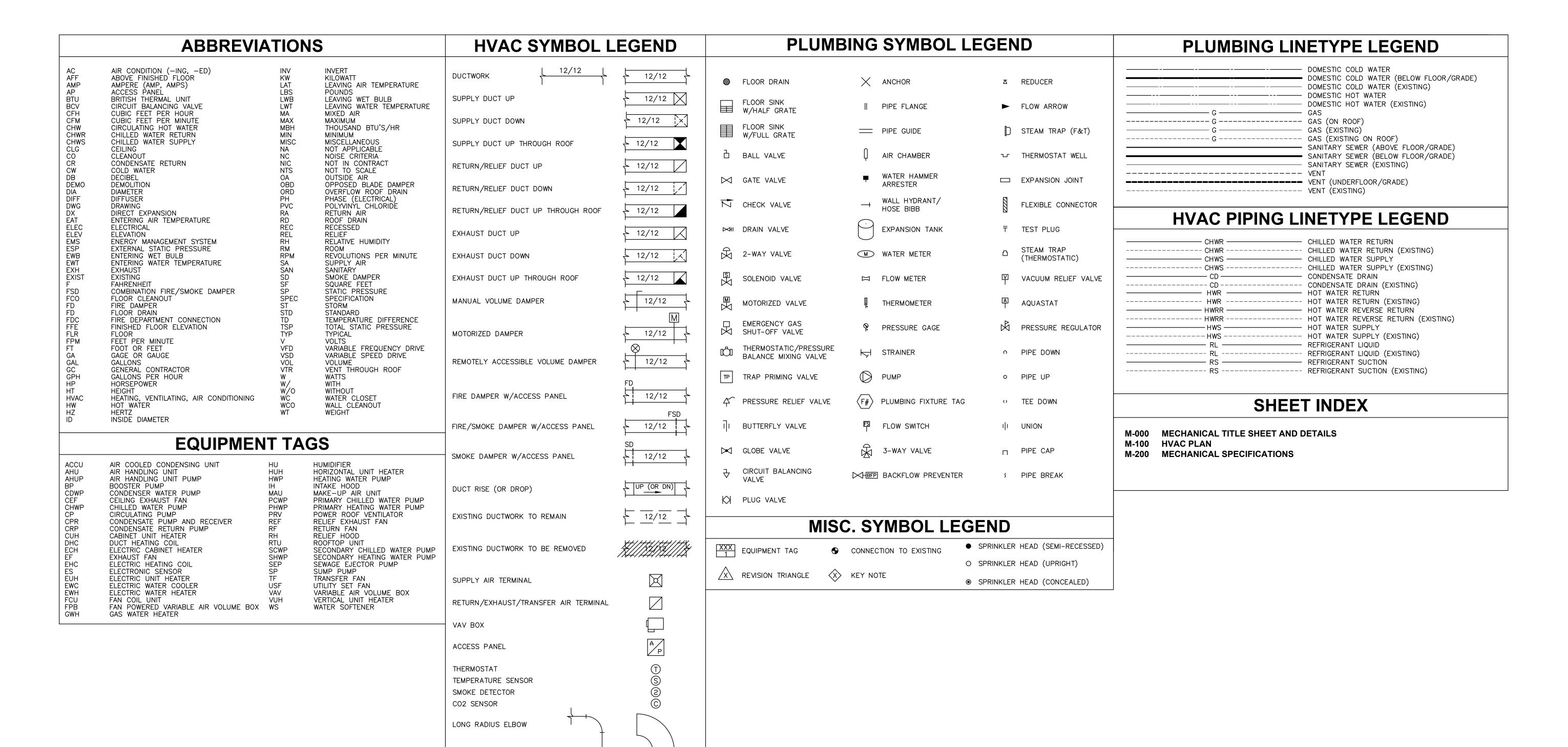
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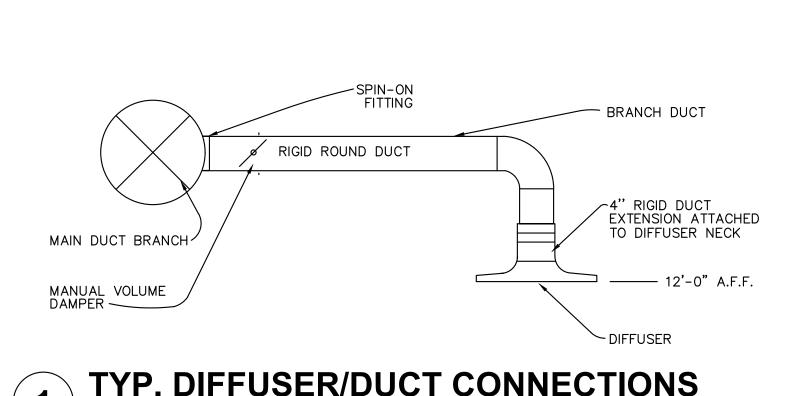
DRAWN BY: PWG

PROJECT NO.: 19156

STOREFRONT SECTIONS

A-901.00



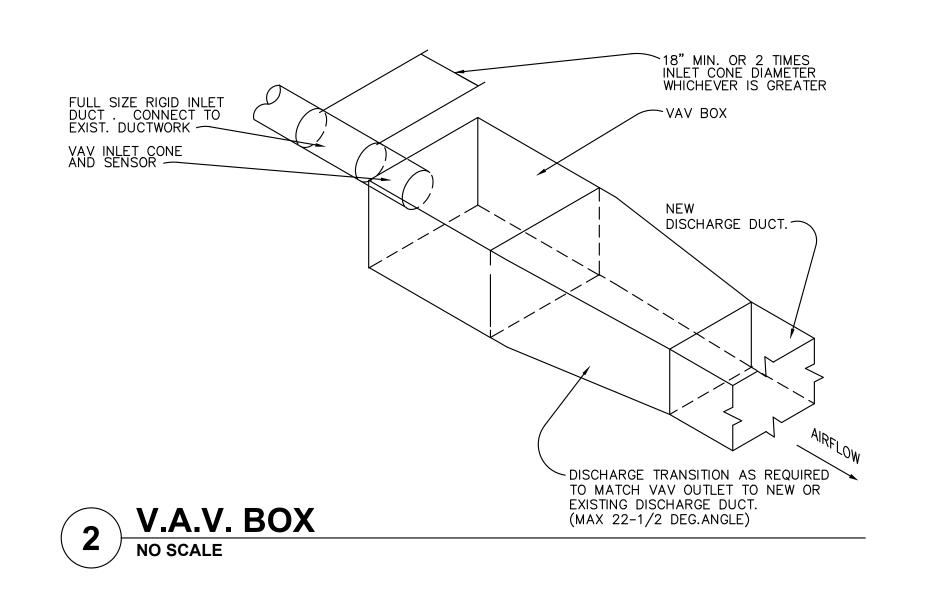


DUCT MOUNT DIFFUSER

NO SCALE

SHORT RADIUS ELBOW WITH VANES

DIFFUSER TYPE NECK SIZE AIRFLOW QUANTITY



<u>'x'|xx''</u>ø xxx (x)

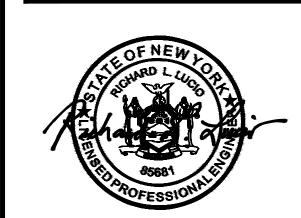
AÉROPOSTALE

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/RLL

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.

16ø 1 1 22″ø 0 22″ø 0 22″ø 230 230 230 230 230 230 230 230 230 230	
9	SVAV-1 S 18 12 4" x12" O 1A 110" Ø 300 S
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VARIABLE AIR VOLUME BOX (VAV (2) (M-000) VAV-1 VAV-2 SALES/STOCK AREA SALES/STOCK AREA AREA SERVED 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 0.18 0.17 ELECTRIC HEATING COIL 60/87.5 60/87.7 EAT/LAT CONTROL STEPS SCR (MODULATING) | SCR (MODULATING) V-PH-CY 208/3/60 208/3/60 LECTRICAL V-PH-CY 208/3/60 208/3/60 DISCONNECT DIV. 16 DIV. 16 REMARKS

GRILLE AND DIFFUSER SCHEDULE (M-000)										
TYPE	А	В								
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

- 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.
- 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.
- 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.
- 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).
- SEMI-RECESSED SPRINKLER HEAD MOUNTED IN TOILET ROOM CEILING (TYPICAL).
- 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/RLL

HVAC PLAN

SHEET NUMBER

M-100.00

15010 GENERAL PROVISIONS

- A. FURNISHING LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED AS SHOWN ON THE DRAWINGS AND SPECIFIED IN DIVISION 15
- 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
- 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

AND OPERABLE INSTALLATION EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THE CONTRACT

- 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
- 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.
- 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.

 K. INSTALL: TO RECEIVE AT THE JOB SITE, STORE, ASSEMBLE, ERECT, SET IN PLACE, ANCHOR,

 ADDITION OF THE PROTECT OF AN ITEST START LIB. AND MAKE BEADY FOR OWNER'S LISE.
- 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
- 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 CONTRACTORS 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 DUCTWORK TO ACCOMMODATE THE BUILDING STRUCTURE 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.

 ILL MACRETIC STARTERS DISCONNECTS AND POWER WIRING PROVIDED BY THE ELECTRICAL
- 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
- 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 COMPLETE.

 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

- 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

AND REMOVE TEMPORARY IDENTIFICATION.

- 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 TECHNIQUES 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:

 1. GLASS FIBER (FLEXIBLE): JOHNS MANVILLE MICROLITE XG SERIES, FORMALDEHYDE-FREE.
- EQUIVALENT PRODUCTS: CERTAINTEED, KNAUF, OWENS-CORNING.
 2. GLASS FIBER (RIGID): JOHNS MANVILLE MANVILLE 800 SERIES SPIN-GLAS.
- 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.

EQUIVALENT PRODUCTS: CERTAINTEED, KNAUF, OWENS-CORNING.

- 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 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.
- J. 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:
- 1. IN BUILDINGS WITH EXISTING FIRE PROTECTION SYSTEMS, THE CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK WITH THE OWNER TO MINIMIZE DISRUPTION OF THAT SYSTEM.
- 2. 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.
- 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.

COORDINATE PIPING WITH STRUCTURAL, MECHANICAL PIPING AND DUCTWORK, AND ELECTRICAL

- WITHIN THE BUILDING. PIPING CONFLICTS BETWEEN SYSTEM SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.

 O. CONDUCT ALL APPLICABLE TESTS AS REFERENCED IN NFPA STANDARD 13. ALL NECESSARY
- O. CONDUCT ALL APPLICABLE TESTS AS REFERENCED IN NEPA STANDARD 13. ALL NECESSARY
 TESTS SHALL BE CONDUCTED IN CONFORMANCE WITH REQUIREMENTS OF NEPA.
 P. WIRING FOR FLOW SWITCHES, VALVE SUPERVISORY SWITCHES, SUPERVISORY PRESSURE
 SWITCHES, AND POWER TO AIR COMPRESSORS WILL BE PROVIDED UNDER DIVISION 16.
- COORDINATE LOCATION OF THESE DEVICES WITH THE ELECTRICAL CONTRACTOR.

 Q. 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.

 R. JE REQUIRED, SPRINKLER HEAD IN STOREFRONT BREAK METAL SHALL MATCH MT-1 FINISH
- R. 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.
- C. INSULATED FLEXIBLE DUCTS:
 1. 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

HAVING G60 ZINC COATING OF IN CONFORMANCE WITH ASTM A90.

- INCHES WG POSITIVE AND 1.0 INCHES WG NEGATIVE. MAXIMUM VELOCITY: 4000 FPM.
 TEMPERATURE RANGE: -10 DEGREES F TO 160 DEGREES F.

 D. FIBERGLASS DUCT BOARD IS NOT ALLOWED.

 E. FABRICATE AND SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION
- IN LOCAL CODES.

 F. INSTALLATION GENERAL:

 1. INSTALL AND SEAL DUCTS IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION

STANDARDS - METAL AND FLEXIBLE, UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED

- 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
- AREAS.
 4. DUCT HANGERS SHALL NOT ATTACH TO BOTTOM CHORD OF STEEL JOIST OR METAL
- ROOF DECKING. ATTACH TO TOP CHORD OF STEEL JOIST.

 5. CONNECT DIFFUSERS OR LIGHT TROFFER BOOTS TO LOW PRESSURE DUCTS DIRECTLY OR WITH 3 FEET MAXIMUM LENGTH OF FLEXIBLE DUCT HELD IN PLACE WITH STRAP OR

PARTITIONS, SMOKE BARRIERS, AND CONSTRUCTION ENCLOSED COMPARTMENTALIZED

- 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.
- TEMPORARY FILTERS, OR BYPASS DURING CLEANING.

 2. 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, NAILOR, POTTORFF, PREFCO, RUSKIN, SAFE-AIR. PROVIDE MANUAL, SINGLE OR MULTIBLADE DAMPERS, AS INDICATED AND AS CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS.
- 1. 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, 16-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.
- 2. 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 VENTFABRICS AND YOUNG REGULATOR CO.
- DAMPERS SHALL BE COATED WITH RED ZINC CHROMATE PRIMER OVER A BOND COAT.
 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 15906.
- D. PROVIDE OUTSIDE AIR INTAKE DAMPER THAT CLOSES THAT CLOSES 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:
 1. 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 WAS BASED. ACCEPTABLE MANUFACTURERS INCLUDE, TRANE, TITUS, ENVIRO-TEC, PRICE, ANEMOSTAT, KRUEGER, NAILOR & 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.

 2. 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.

 3. 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 GC. 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.

 3. 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:
 1. SINGLE ELLIPTICAL BLADE THAT REQUIRES NOMINAL 60 DEGREE ROTATION FROM FULLY OPENED
- TO FULLY CLOSED POSITIONS.

 2. 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 INDICATED ON END OF SHAFT ON OUTSIDE OF CASING.

- G. EXTERNAL TAPS SEPARATE FROM SENSOR OR CONTROLLER TAPS FOR FLOW ADJUSTMENT IN FIFLD.
- 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 DRAWNICS.
- 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
- 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:1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 2. PROVIDE CEILING ACCESS DOORS OR LOCATE UNITS ABOVE EASILY REMOVABLE CEILING COMPONENTS.

SUPPORT UNITS INDIVIDUALLY FROM STRUCTURE. DO NOT SUPPORT FROM ADJACENT

DUCTWORK.
4. 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, NAILOR, 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°F 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.
- EACH TERMINAL SHALL BE EQUIPPED WITH LABELING SHOWING UNIT LOCATION, SIZE, AND MINIMUM AND MAXIMUM CFM SETPOINTS.
 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:

 1. 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.
- 2. 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
- 3. COOLING CYCLE UNOCCUPIED HOURS: THE VARIABLE AIR VOLUME CONTROL DAMPER SHALL BE CLOSED.
 4. 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:

 1. TESTING, ADJUSTMENT, AND BALANCING OF NEW AIR SYSTEMS.
- 2. 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.

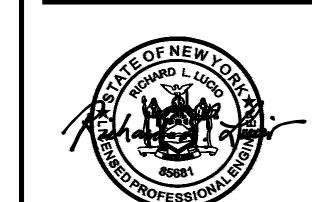


AÉROPOSTALE

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

JOB NO: R19-3417.003

DRAWN: KMH

DATE: 05-18-2019

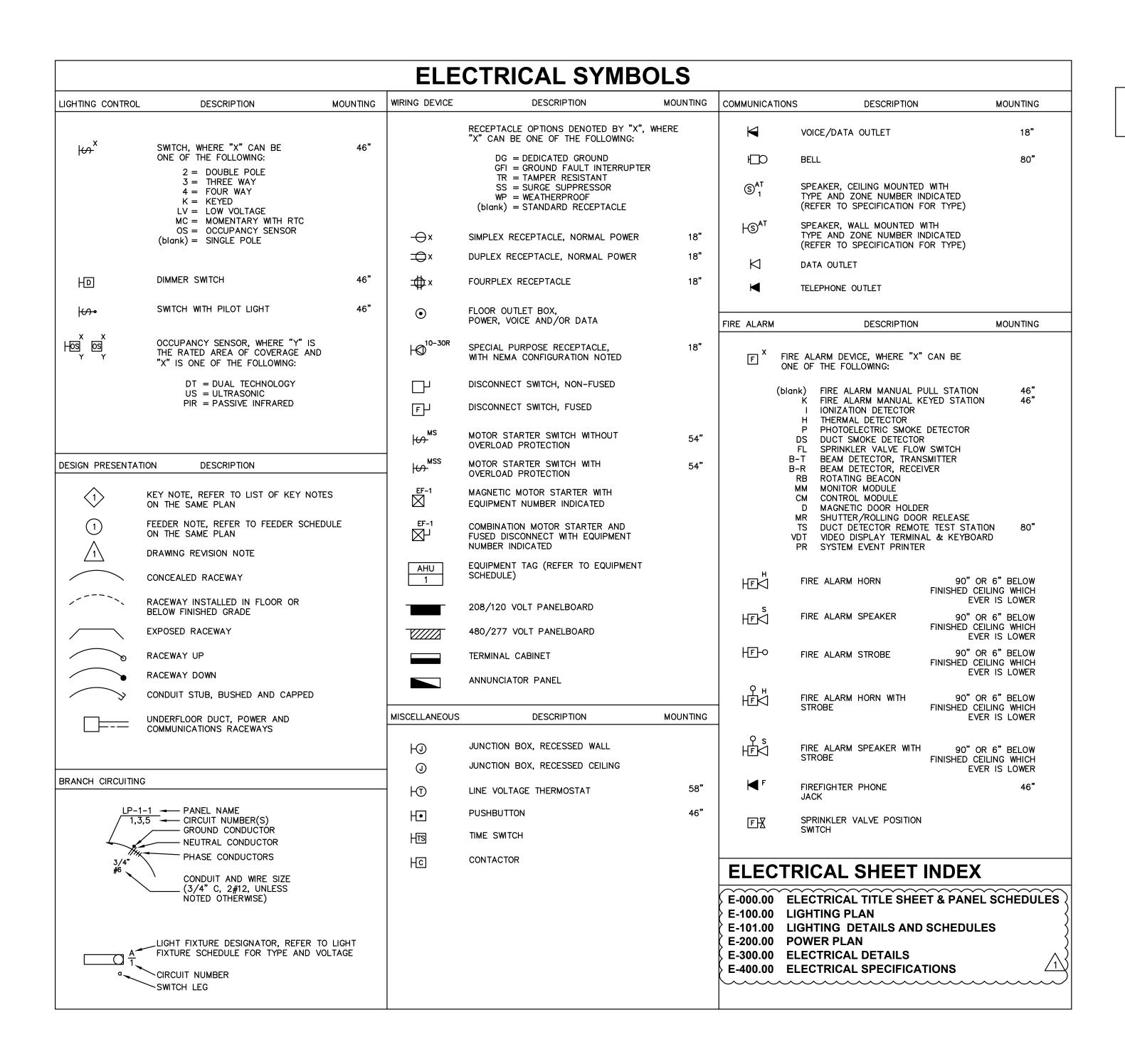
CHECKED: LAK/RLL

NO. DATE DESCRIPTION

MECHANICAL SPECIFICATIONS

SHEET NUMBER

M-200.00



SEE POWER RISER DIAGRAM ON SHEET E3 FOR ADDTIONAL INFORMATION

			PAN	EL "I	LP-1	" BY	′ LAI	NDL	ORE)				
Location: Stockroom	A10.4	0,000	/N /IN I \					208/120 Volt, 3ø, 4w						
Mounting: Surface						Main: CB 200A								
Circuit Description	KVA	СВ	NO.	NOTE	Α	В	С	NOTE	NO.	СВ	KVA	Circuit Description		
EXIT / EMERGENCY / NIGHT LIGHTING	0.5	20/1	1	Α	Χ			Α	2	20/1	0.4	CASH REGISTER		
STOREFRONT SIGN	1.2	20/1	3			X		Α	4	20/1	0.4	CASH REGISTER		
RESTROOM LIGHTING / EXHAUST FAN	0.4	20/1	5	EX			X	Α	6	20/1	0.4	CASH REGISTER		
SHOW WINDOW REC	0.2	20/1	7		Χ			Α	8	20/1	0.4	CASH REGISTER		
SHOW WINDOW REC.	0.4	20/1	9			X			10	20/1	0.8	CASH WRAP RECEPTACLES		
SHOW WINDOW TRACK LIGHTING	0.5	20/1	11				X		12	20/1	0.6	BACK WRAP RECEPTACLES		
SALES PERIMETER TRACK LIGHTING	1.0	20/1	13		X				14	20/1	0.8	SALES AREA RECEPTACLES		
SALES PERIMETER TRACK LIGHTING	1.2	20/1	15			X			16	20/1	8.0	SALES AREA RECEPTACLES		
SALES CENTER TRACK LIGHTING	0.6	20/1	17				X	Α	18	20/1	0.1	SENSORMATIC/SHOPPER TRACK		
SALES CENTER TRACK LIGHTING	0.6	20/1	19		X				20	20/1	0.8	STOCKROOM RECEPTACLES		
TELEPHONE BOARD REC,	0.4	20/1	21			X		EX	22	20/1	1.2	RESTROOM GFI RECEPTACLE		
STOCKROOM LIGHTING	0.6	20/1	23				X		24	20/1	0.0	SPARE		
TIME CLOCK / CONTACTORS	0.2	20/1	25	Α	X				26	20/1	0.4	MANAGER STORAGE SHELF RECEPT.		
FITTING ROOM LIGHTING	0.2	20/1	27			X			28	20/1	0.8	MANAGER'S DESK		
	4.1		29				X		30	20/1	0.8	MANAGER'S DESK		
VAV-1	4.1	35/3	31		X				32		4.1			
	4.1		33			X			34	35/3	4.1	VAV-2		
WP/GFI REC./LTG.	0.5	20/1	35				X		36		4.1			
EWC-1	1.0	20/1	37	EX	Χ			Α	38	20/1	0.4	A/V RACK		
EXIST. WATER HEATER (XWH-1)	1.5	20/2	39	EX		Χ		Α	40	20/1	0.4	A/V RACK		
	1.5	20/1	41				X	EX	42	20/1	1.2	RESTROOM GFI RECEPTACLE		
					Α	В	С							
CONNECTED KVA:	47.8				14.9	17.5	15.4]				DESIGN DEMAND KVA: 52.6		
CONNECTED HIGH PHASE AMPS:	145.8											DESIGN DEMAND AMPS: 146.0		

PANEL NOTES:

A - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE.

B - PROVIDE HACR CIRCUIT BREAKER

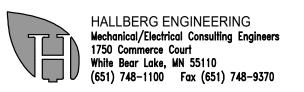
EX- EXISTING EQUIPMENT TO REMAIN.

BALANCE PHASE LOADS TO WITHIN 10% OF EACH OTHER.

PANEL A - LOAD SUMMARY								
	CONNECTED DESIGN DE							
	KVA	FACTOR	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					

AÉROPOSTALE

KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234





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	5-21-2019	REV#1 INTERNAL REV.
$\overline{}$	DATE	DECODIBIION

NO. DATE DESCRIPTION

DATE: 05-18-2019

JOB NO: R19-3417.003

DRAWN: CTC

CHECKED: DJQ/PJF

ELECTRICAL TITLE SHEET & PANEL **SCHEDULES**

SHEET NUMBER

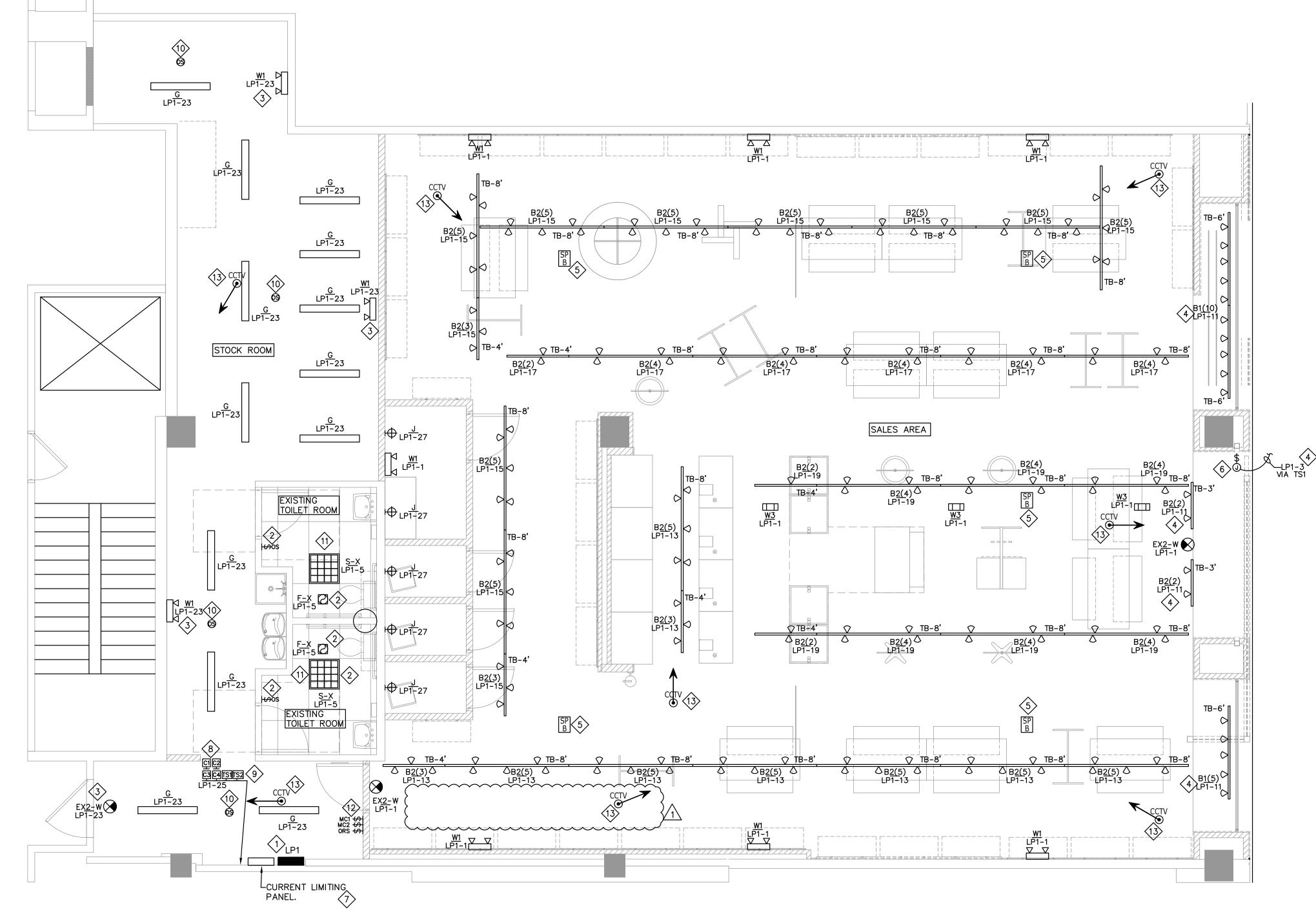
NOTE:
ALL LOW VOLTAGE WIRING FOR POS,
DATA AND TELEPHONE SHALL BE RUN
IN CONDUIT.

NOTE:
SEE LIGHT CONTACTOR SCHEDULE AND
DIAGRAM ON SHEET E-101.00 FOR
MORE INFORMATION.

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

GENERAL NOTES

- 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.
- STOCKROOM LIGHTS ARE TO BE CENTERED IN AISLES.
- . ELECTRICAL SYSTEM SHALL BE GROUNDED AND BONDED PER NEC REQUIREMENTS AND AUTHORITY HAVING JURISDICTION.





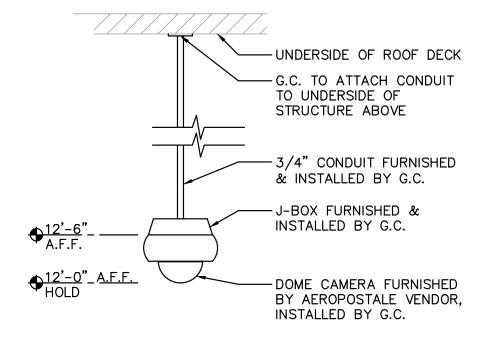
KEY NOTES

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 AT 48" A.F.F.: INFRARED & ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER: DW-100-24-W WITH BZ50 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.
- CONNECT EXIT AND EMERGENCY FIXTURES IN REAR AREAS AHEAD OF LOCAL SWITCHING CONTROL, IN ACCORDANCE WITH THE N.E.C.
- THE CIRCUITS NOTED (LP1-3,7,9 & 11) ARE TO BE CONTROLLED BY THE TIME CLOCK. COORDINATE EXACT 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#E68384. COORDINATE THE EXACT REQUIREMENTS WITH SIGN VENDOR. RE-USE EXISTING J-BOX IF APPLICABLE.

- 7 CURRENT LIMITING SUB-PANEL: JUNO-AERO-MOD87. PANEL SUPPLIED BY AEROPOSTALE. REFER TO DETAIL 3/E-101.00.
- 8 PROVIDE MULTIPOLE LIGHTING CONTACTORS (C1, C2, C3 AND C4) FOR SALES AREA LIGHTING AND STOREFRONT LIGHTING AND RECEPTACLES.
 MOUNT ADJACENT TO ELECTRICAL PANELS. REFER TO DETAIL 4/E-101.00 FOR ADDITIONAL INFORMATION.
- 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 DETAIL 4/E-101.00 FOR ADDITIONAL INFORMATION.
- 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.
- EXISTING LIGHT/FAN COMBINATION TO REMAIN. RE-CIRCUIT AS INDICATED. CLEAN, REPAIR AND RELAMP AS REQUIRED. FIELD VERIFY.

- PROVIDE MOMENTARY CONTACT SWITCHES OVERRIDE, 'MC-1' AND 'MC-2' FOR CONTROL SWITCHES OF SALES AREA LIGHTING. REFER TO DETAIL 1 4/E-101.00 FOR ADDITIONAL INFORMATION. PROVIDE PERMANENT LABEL FOR EACH SWITCH.
- 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.





AÉROPOSTALE #00

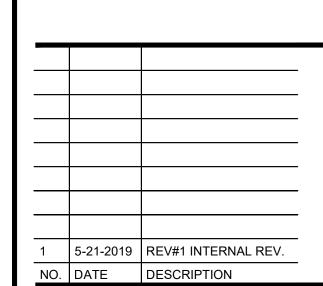
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LIGHTING PLAN

SHEET NUMBER

E-100.00

	LIGHTING FIXTURE SCHEDULE										
SYMBOL	TYPE	MANUFACTURER	PRODUCT NUMBER	FINISH	DESCRIPTION	LAMPING	MTG. METHOD	MTG. HGT.	VOLTS	COMMENTS	
TW	TRACK	JUNO	TRACK ONE CIRCUIT 4' [1219mm], 6' [1829mm], 8' [2438mm] WH	WHITE	TRACK		SURFACE	CEILING	120	# = TRACK LENGTH, REFER TO ELECTRICAL DWGS. FOR TRACK LENGTHS; SURFACE/ KINDORF MOUNTED; 1 CIRCUIT TRACK	
ТВ	TRACK	JUNO	TRACK ONE CIRCUIT 4' [1219mm], 6' [1829mm], 8' [2438mm] BL	BLACK	TRACK		PENDANT	SEE 2/A7	120	# = TRACK LENGTH, REFER TO ELECTRICAL DWGS. FOR TRACK LENGTHS; SURFACE/ KINDORF MOUNTED; 1 CIRCUIT TRACK	
<u>♥</u>	B1	CONTECH	CTL610-P-BL LA630-P CONE SHADE-WH	WHITE	ACCENT	LED 14.5W	TRACK	CEILING	120	GWB CEILING MOUNTED AT STOREFRONT; ELECTRONIC BALLAST	
<u> </u>	B2	CONTECH	CTL610-P-BL LA630-P CONE SHADE-BL	BLACK	ACCENT	LED 14.5W	TRACK	SEE 2/A7	120	TRACK MOUNTED LED ADJUSTABLE ACCENT FIXTURE; ELECTRONIC BALLAST	
	F-X		EXISTING EXHAUST FAN		FAN		SURFACE	CEILING		EXISTING EXHAUST FAN	
	G	LAMAR	#S132-E8U-NY-WG140P	WHITE	STRIP LIGHT	(1) 32 WATT T8 3500K	PENDANT	13'-0"	120	MOUNTING COMPONENTS FURNISHED & INSTALLED BY GC	
Ф	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	
<u> </u>	W1	NAVILITE	N1WH-ADV	WHITE	EMERGENCY LIGHT	INCLUDED	WALL	13'-0" IN STOCK AND 11'-8" IN SALES AREA	120	BATTERY BACK-UP	
<u> </u>	W3	NAVILITE	N2BL-MOD	SEE COMMENTS	SALES SURFACE EMERGENCY LIGHT	INCLUDED	KINDORF	KINDORF (OPEN CLG)	120		

LP1-11

BA

LP1-13

10A

LP1-15

5A

LP1-17

SPACE

SPACE

SPACE

3 LIMITING PANEL DIAGRAM
NTS

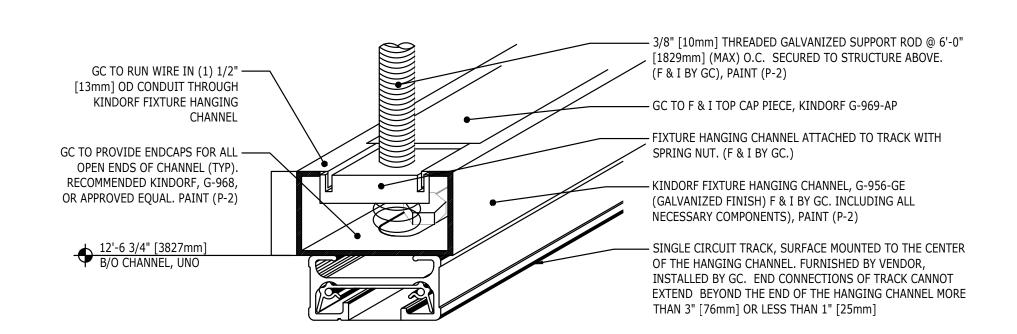
CONTACTOR SCHEDULE

CONTROL COIL V LINE V POLES AMP CIRCUITS

LIGHTING FIXTURE GENERAL NOTES:

A. EXIT AND EMERGENCY LIGHT FIXTURE TYPES AND LOCATIONS ARE SUBJECT TO BUILDING DEPT. AND LANDLORD APPROVAL.

B. ALL LIGHTING FIXTURES, EQUIPMENT, DEVICES, ETC. SHALL BE U.L. LISTED.



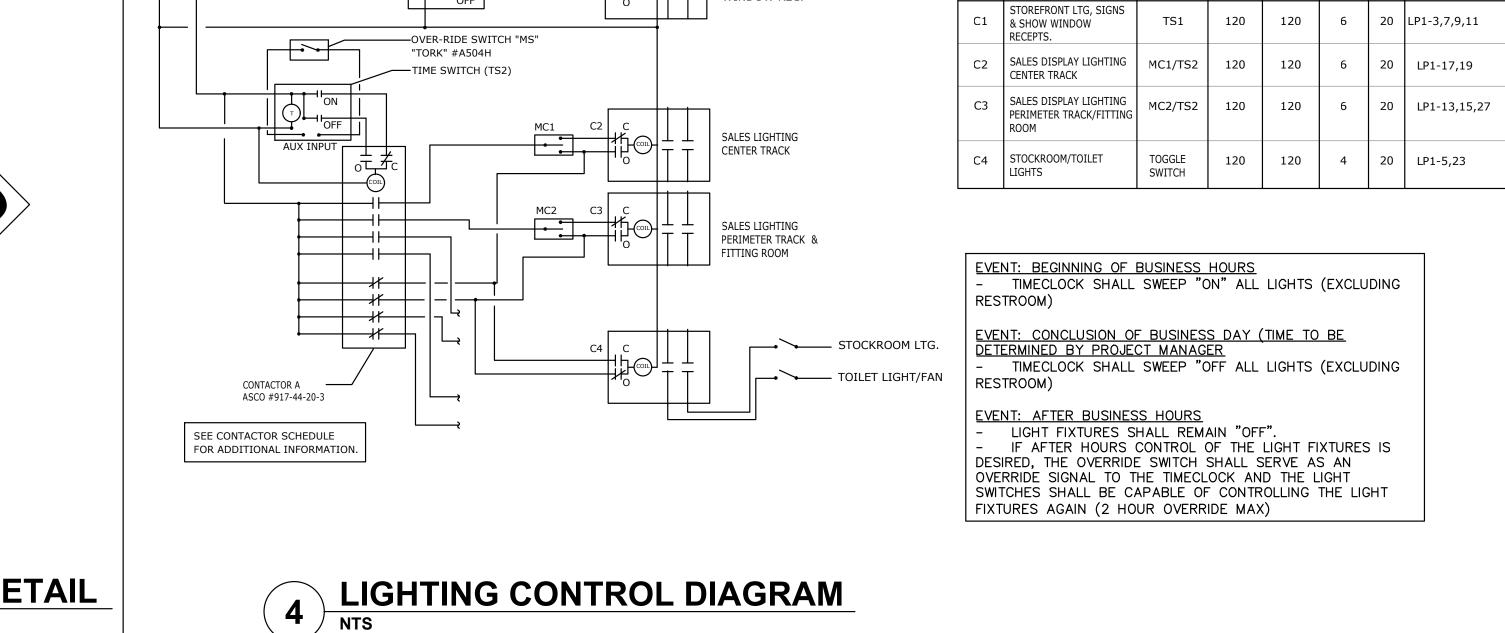
TRACK HANGING DETAIL



LP1-25

NEUTRAL LINE





STOREFRONT LIGHTS

SIGN & SHOW

WINDOW REC.

CABINET #1

TIME SWITCH (TS1)

ON OFF

	MECHANICAL EQUIPMENT SCHEDULE														
EQUIPMENT TAG	EQUIPMENT NAME	VOLT/ PHASE	MCA	МОСР	HP	KW	CONDUIT - WIRE	STARTER BY	STARTER TYPE STARTER SIZE	DISCONNECT BY	DISC. SWITCH	FUSE SIZE	PANEL	CIRCUIT NUMBER	
VAV-1	VAV-BOX UNIT	208/3	34.7	35			3/4"C3#8, 1#10 GND.	N/A	N/A	DIV. 16	60A/3P	35	LP1	29,31,33	
VAV-2	VAV-BOX UNIT	208/3	34.7	35		1	3/4"C3#8, 1#10 GND.	N/A	N/A	DIV. 16	60A/3P	35	LP1	32,34,36	
F-X	EXISTING LIGHT FAN COMBO	120/1			FRAC		3/4"C-2#12, 1#12 GND.	NA	NA				LP1	5	BY L.L.
XWH-1	EXISTING WATER HEATER	208/1		20		3.0	3/4"C-2#10, 1#10 GND.	NA	NA				LP1	39,41	BY L.L.

AÉROPOSTALE #99

> KINGS PLAZA SPACE 2248 5100 KINGS PLAZA BROOKLYN, NY 11234





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1	5-21-2019	REV#1 INTERNAL REV.
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DATE: 05-18-2019

JOB NO: R19-3417.003

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LIGHTING DETAILS AND SCHEDULES

SHEET NUMBER

F-10100

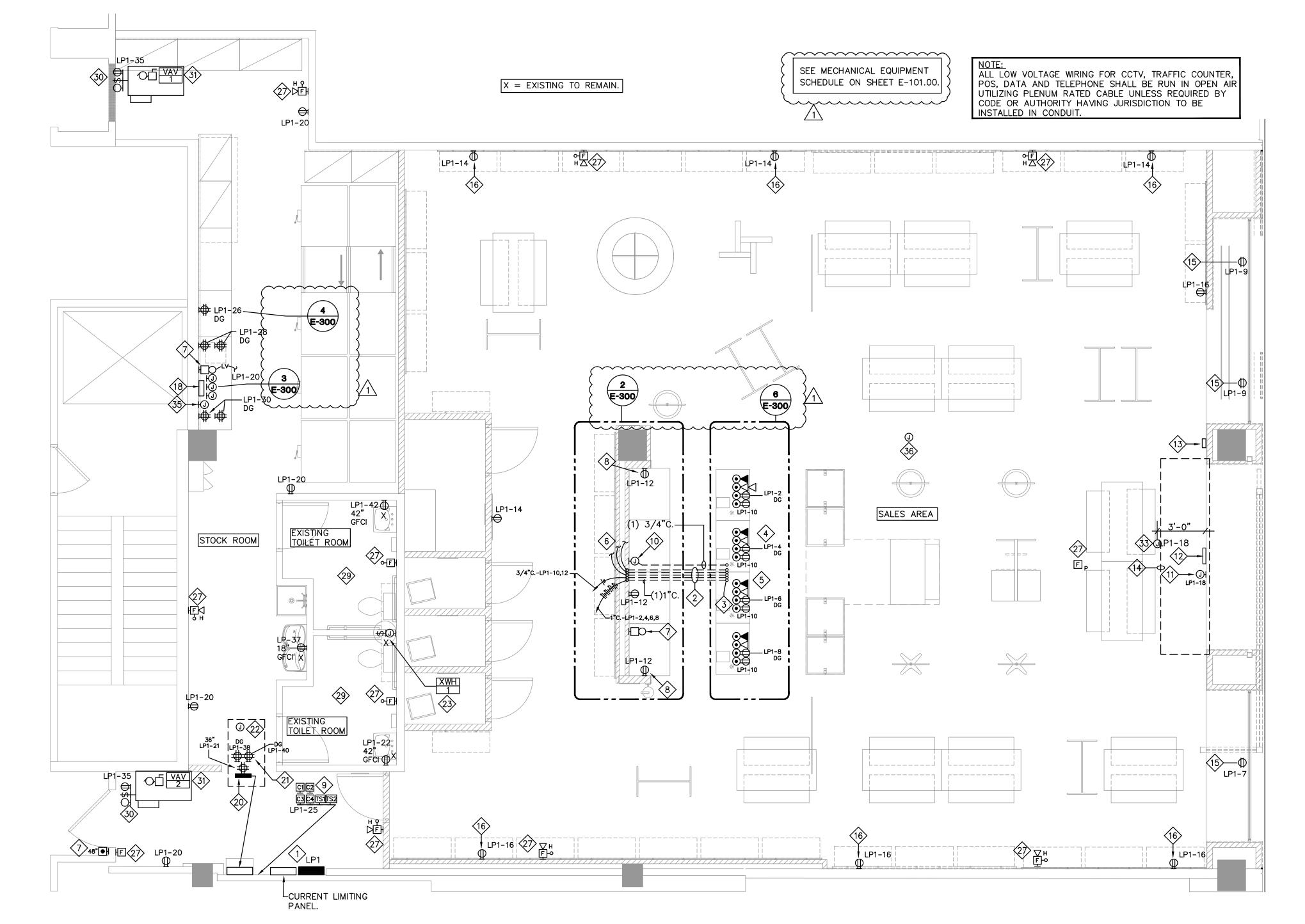
NOTE: ALL LOW VOLTAGE WIRING FOR POS, DATA AND TELEPHONE SHALL BE RUN IN CONDUIT.

GENERAL NOTES

- 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.
- 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.
- PROVIDE A NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT. NEUTRAL SHARING IS NOT ALLOWED.
- ELECTRICAL SYSTEM SHALL BE GROUNDED AND BONDED PER NEC REQUIREMENTS AND AUTHORITY HAVING JURISDICTION

- POWER PLAN KEY NOTES 1) ELECTRICAL SERVICE EQUIPMENT LOCATION. REFER TO DETAIL 1/E-300.00 AND PANELBOARD SCHEDULES ON SHEET E-000.00 FOR ADDITIONAL INFORMATION.
- $\langle 2 \rangle$ provide floor penetrations for conduit and wire as shown. Verify APPROVED FLOOR SLAB PENETRATION LOCATIONS AND THE FOLLOWING REQUIREMENTS WITH LANDLORD'S REPRESENTATIVE AND THE TENANT'S ARCHITECT PRIOR TO BID: CORING AND SLEEVING, CONDUIT ROUTING IN CEILING OF SPACE BELOW, FIREPROOFING AND SEALING, ETC. MAY BE REQUIRED TO PERFORM RADAR/SONAR/X-RAY VERIFICATION SURVEY AND/OR USE LANDLORD'S OR A LANDLÓRD APPROVED CORING CONTRACTOR. ALL WORK SHALL BE AT TENANT'S EXPENSE.
- (3) CONDUITS FROM STUB-UP LOCATION TO CASH REGISTER POWER AND TECHNOLOGY DEVICES AND CASH WRAP LIGHTING ARE TO BE SURFACE MOUNTED ON FLOOR IN SPACE BELOW CASEWORK.
- 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.
- (5) E.C. TO PROVIDE DATA AND TELEPHONE RUNS AS INDICATED AND EXTEND ALL PHONE AND DATA CABLES WITHIN THE FIXTURE RACEWAY TO EACH P.O.S. LOCATION. PROVIDE A 24" CAT-5e SERVICE LOOP AT EACH P.O.S. LOCATION. REFER TO DETAILS 5/E-300.00 AND 6/E-300.00) FOR FURTHER INFORMATION. E.C. TO ENSURE BOTH ENDS OF ALL DATA/TELEPHONE RUNS ARE CLEARLY LABELED AT BOTH ENDS.
- 6 PLENUM RATED CAT-5e CABLING FROM MANAGER DESK TO DEVICES AT CASHWRAP/BACKWRAP. REFER TO DETAIL 5/E-300.00 FOR FURTHER INFORMATION
- (7) IF NOT EXISTING, PROVIDE SERVICE DOOR BELL SYSTEM: EDWARDS: 340-4G5-24VAC BELL, ONE (1) BELL LOCATED AT BACK WRAP WALL AND ONE (1) BELL NEXT TO MANAGER'S DESK 852 WEATHERPROOF PUSHBUTTON, 592 TRANSFORMER. REFER TO DETAIL 2/E-300.00.) BELL SYSTEM WIRE NEED NOT BE INSTALLED IN CONDUIT, UNLESS REQUIRED BY THE LANDLORD OR LOCAL AUTHORITY. FIELD VERIFY.
- (8) DUPLEX RECEPTACLE TO BE MOUNTED HORIZONTALLY AT 6"AFF. ABOVE
- $\sim\sim\sim\sim\sim$ 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 BOARD 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 AEROPOSTALE
- 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 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. FLOOOR 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
- (15) PROVIDE DUPLEX RECEPTACLE MOUNTED 6" ABOVE WINDOW FRAME FOR SHOW WINDOW RECEPTACLE. CIRCUITS TO BE ROUTED VIA TIME CLOCK. REFER TO 1 DETAIL 4/E-101.00. RE-USE EXISTING IF APPLICABLE. MATCH ADJACENT
- (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.
- 21 A/V RACK FURNISHED AND INSTALLED BY AEROPOSTALE VENDOR. INSTALL I.T. RACK AND DATA SHELF ON THE TELEPHONE BOARD PRIOR TO WEEK 6 OF CONSTRUCTION. SHELF TO BE MOUNTED ON BOTTOM POSITION OF THE RACK WITH 7" SHELF FACING TOWARD THE WALL. PROVIDE (2) QUAD RECEPTACLES MOUNTED IN THE BOTTOM OF THE PLYWOOD OR JUST BELOW THE PLYWOOD AT HEIGHT TO BE DETERMINED BY AEROPOSTALE PROJECT MANAGER. VERIFY IN FIELD.

RACK SPEC: 'STARTECH' #RK812WALLOA SHELF SPEC: 'STARTECH' #CABSHELF1U



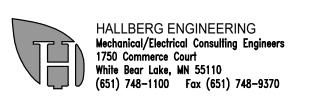


- 22 PROVIDE J-BOX FOR TERMINATION POINT FOR CAT-5e WIRELESS CONNECTION. LOCATE THE J-BOX NEAR THE A/V RACK AS HIGH AS POSSIBLE TO AVOID INTERFERENCE WITH THE STOCK SHELVING. COORDINATE EXACT LOCATIONS WITH CONSTRUCTION PROJECT MANAGER PRIOR TO INSTALLATION. REFER TO DETAIL 5/E-300.00.
- (23) EXISTING 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.
- $\langle 25 \rangle$ 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.

- 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.
- 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 5/E-300.00.

AÉROPOSTALE

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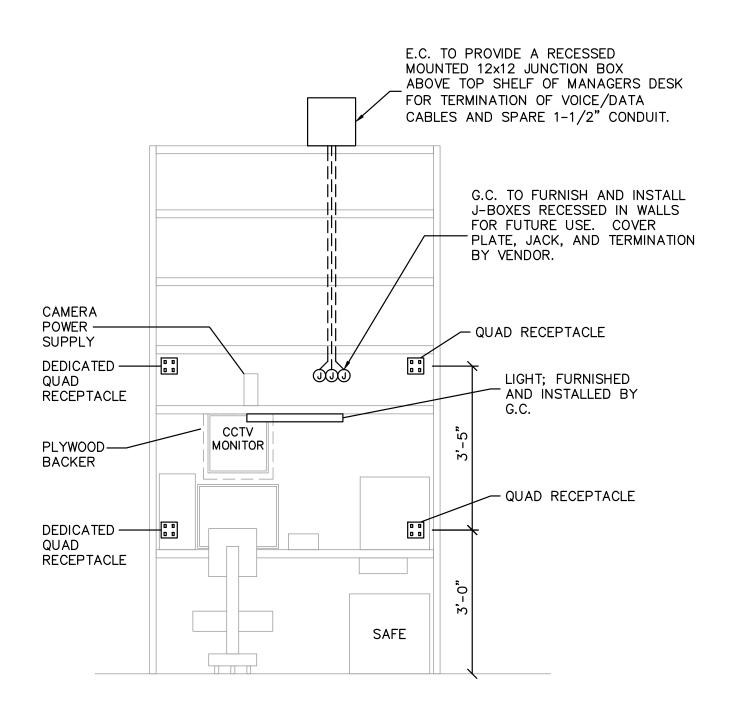
1	5-21-2019	REV#1 INTERNAL REV.
NO.	DATE	DESCRIPTION

DATE: 05-18-2019 **JOB NO:** R19-3417.003 DRAWN: CTC

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POWER PLAN

SHEET NUMBER

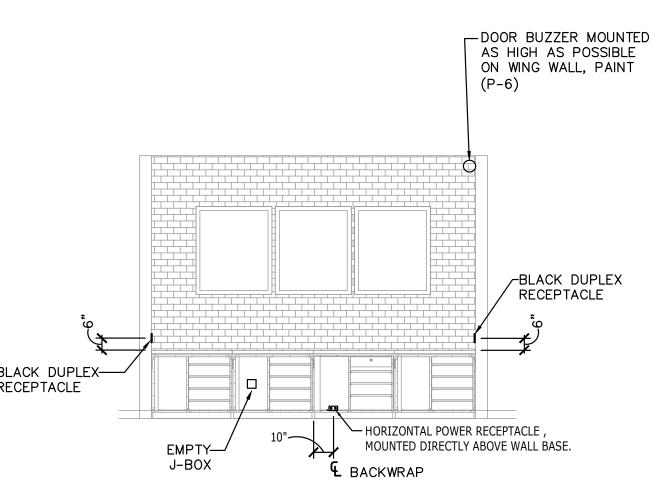


MANAGER DESK ELEVATION

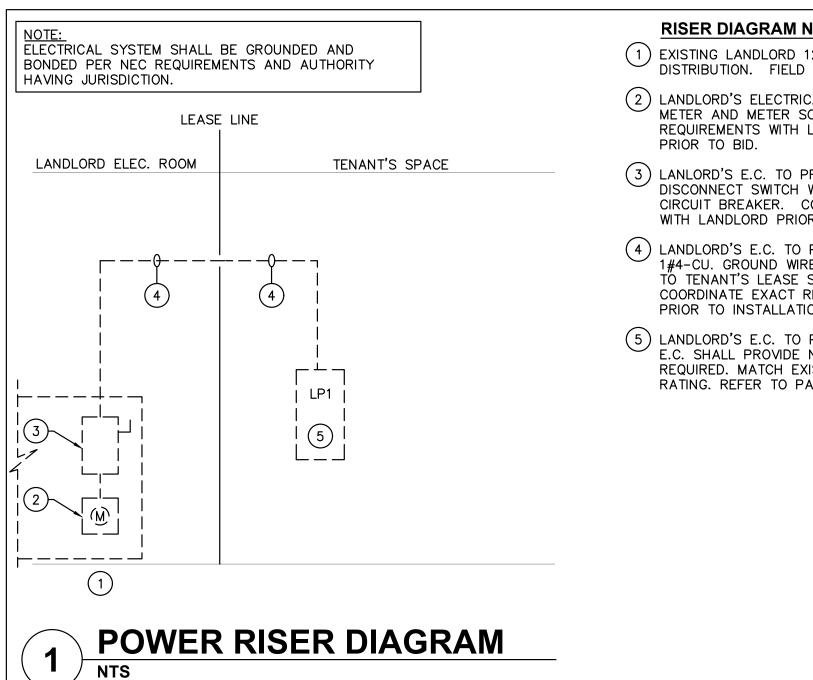
NOTE: ALL LOW VOLTAGE WIRING FOR POS, DATA AND TELEPHONE SHALL BE RUN IN CONDUIT.

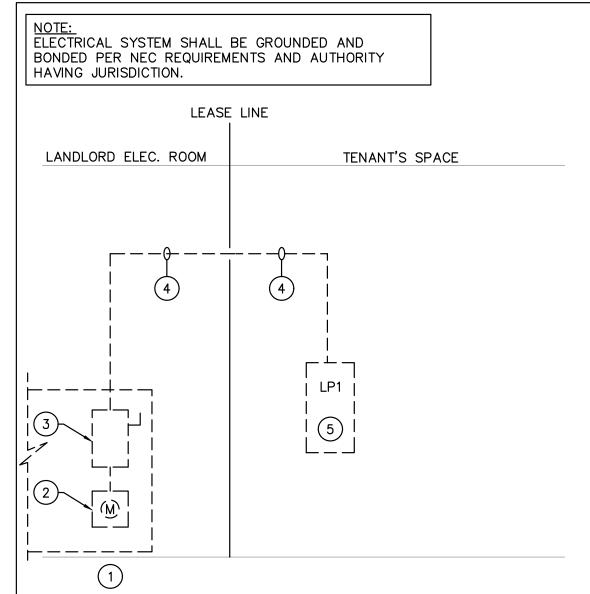
NOTE:
G.C. VENDOR REQUIRED TO OBTAIN LOW VOLTAGE PERMIT (IF REQUIRED). PERMIT COST TO BE REIMBURSED BY ÀEROPOSTALÉ.

NOTE: E.C. TO PROVIDE CAT-5e DATA AND TELEPHONE RUNS AS INDICATED AND EXTEND ALL CAT-5e PHONE AND DATA CABLES WITHIN THE FIXTURE RACEWAY TO EACH P.O.S. CABINET. PROVIDE A 24" CAT-5e SERVICE LOOP AT GARBAGE CAN COMPARTMENT. E.C. TO CLEARLY LABEL CABLES ON BOTH ENDS FOR USE BY OTHERS. TERMINATION BY AEROPOSTALE VENDOR.



BACK WRAP ELEVATION





RISER DIAGRAM NOTES

1 EXISTING LANDLORD 120/208V, 3PH, 4W ELECTRICAL DISTRIBUTION. FIELD VERIFY.

2 LANDLORD'S ELECTRICAL CONTRACTOR TO PROVIDE METER AND METER SOCKET. COORDINATE EXACT REQUIREMENTS WITH LANDLORD AND UTILITY COMPANY

3 LANLORD'S E.C. TO PROVIDE 200A, 3P, 4W, DISCONNECT SWITCH WITH (3)200A FUSES OR 200A/3P CIRCUIT BREAKER. COORDINATE EXACT REQUIREMENTS WITH LANDLORD PRIOR TO INSTALLATION AND BID.

(4) LANDLORD'S E.C. TO PROVIDE 2"C.-4#3/0-CU. & 1#4-CU. GROUND WIRE. FROM LANDLORD DISTRIBUTION TO TENANT'S LEASE SPACE/CLOSET PREMISES. COORDINATE EXACT REQUIRÉMENTS WITH LANDLORD PRIOR TO INSTALLATION AND BID.

5 LANDLORD'S E.C. TO PROVIDE PANEL LP1. TENANT'S E.C. SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. MATCH EXISTING EQUIPMENT TYPE AND AIC RATING. REFER TO PANEL SCHEDULES ON SHEET EO.



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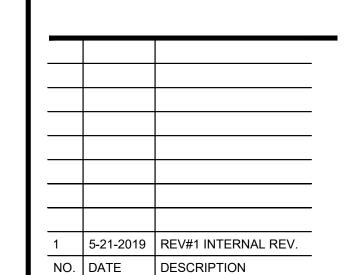
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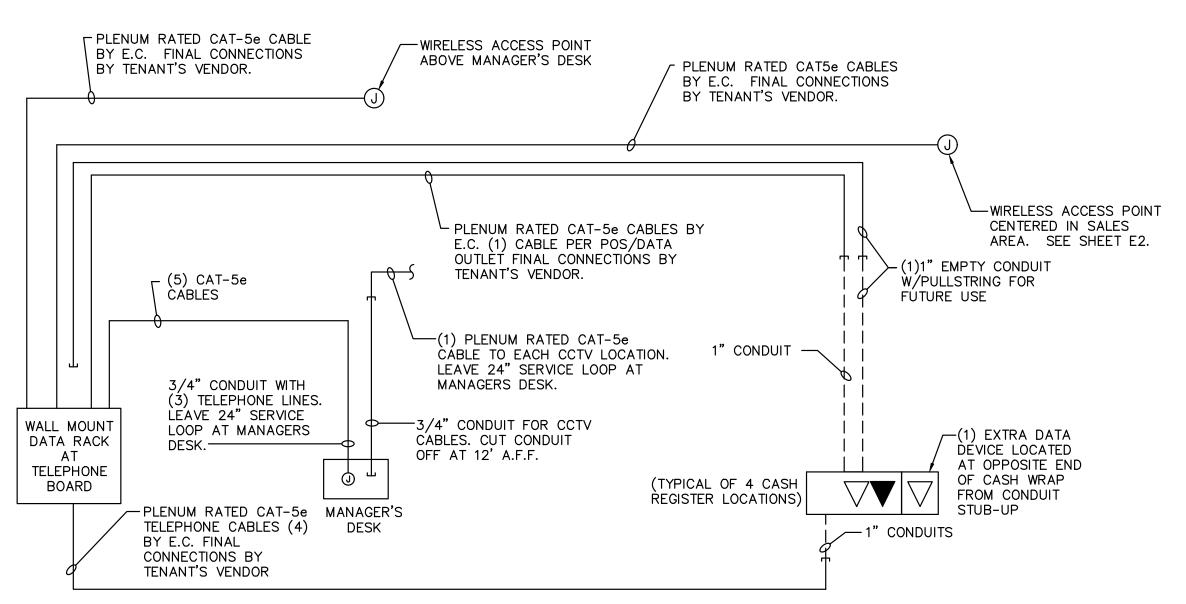


DATE: 05-18-2019 **JOB NO:** R19-3417.003

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> **ELECTRICAL DETAILS**

> > SHEET NUMBER



P.O.S./TELEPHONE WIRING DIAGRAM

SEE SHEET E2 FOR VOICE AND DATA DEVICE QUANTITIES.

3'-0" MANAGER'S STORAGE SHELF

Surface –

Mounted

Blocking

Surface —

Mounted

Blocking

DEDICATED QUAD-

RECEPTACLE

Surface —

Mounted

Blocking

Storage

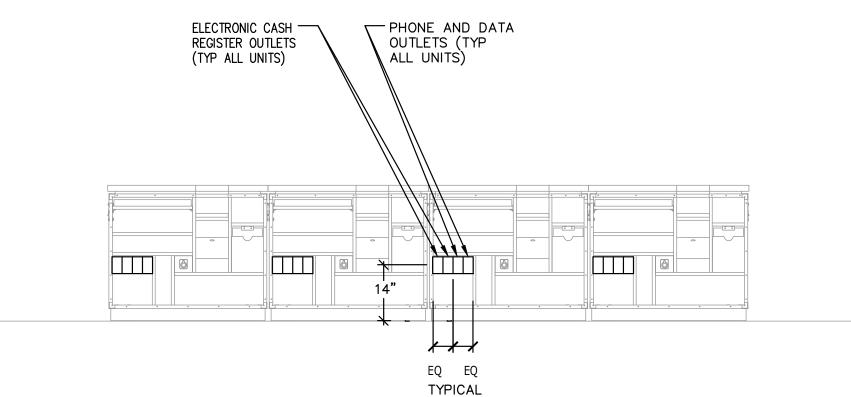
Storage

TV

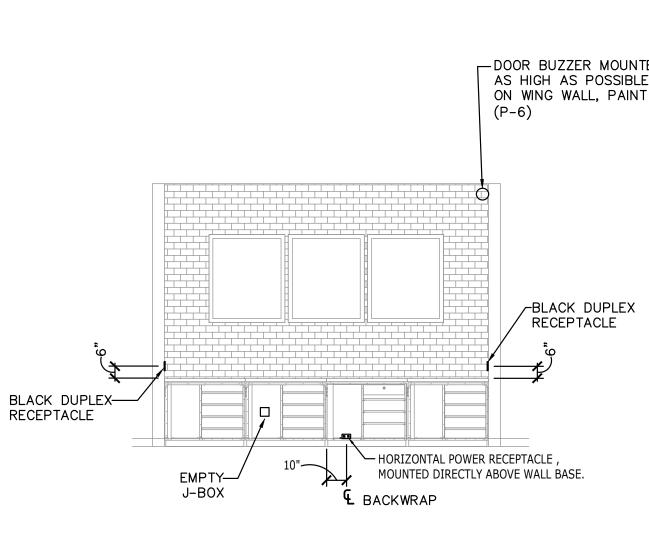
Microwave

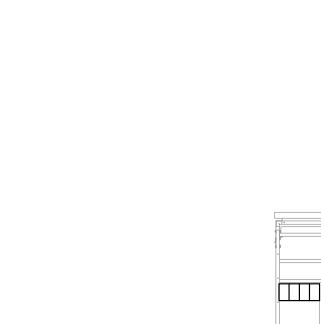
Refrig

Files Files



CASHWRAP ELEVATION





COMPLETE INSTALLATION OF ELECTRICAL WORK SHOWN IN THE CONTRACT DOCUMENTS AND SPECIFIED IN DIVISION 16. B. 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. SUCH ITEMS INCLUDE NUTS, BOLTS, ANCHORS, BRACKETS, SLEEVES, OFFSETS IN

- CONDUIT, FITTINGS, RELAYS, ETC. C. ARRANGE WITH LANDLORD 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. D. 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 E. REQUEST INSPECTIONS AS REQUIRED BY REGULATING AGENCIES AND/OR REGULATIONS. PAY ALL
- CHARGES FOR INSPECTIONS BY REGULATING AGENCIES OF INSTALLATIONS OF PLANS AND INCLUDE STATE AND LOCAL SALES TAXES IN THE BID. KEEP ACCURATE RECORDS OF THESE TAXES
- FURNISH SUCH RECORDS TO THE TENANT UPON REQUEST. 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.
- H. HIGHER QUALITY OF WORKMANSHIP AND MATERIALS INDICATED IN THE CONTRACT DOCUMENTS TAKES PRECEDENCE OVER THAT ALLOWED IN REFERENCED CODES AND STANDARDS. THE TERMS DEFINED BELOW APPLY TO ALL WORK INCLUDED IN DIVISION 16. THE WORK - AS DEFINED IN THE 1997 AIA DOCUMENT A201: "THE TERM 'WORK' MEANS THE CONSTRUCTION AND SERVICES REQUIRED BY THE CONTRACT DOCUMENTS WHETHER COMPLETED OR PARTIALLY COMPLETED, AND INCLUDES ALL OTHER LABOR, MATERIALS, EQUIPMENT AND SERVICES PROVIDED OR TO BE PROVIDED BY THE CONTRACTOR TO FULFILL
- THE CONTRACTOR'S OBLIGATIONS. THE WORK MAY CONSTITUTE THE WHOLE OR A PART OF FURNISH - TO OBTAIN IN NEW CONDITION READY FOR INSTALLATION INTO THE WORK. INSTALL - TO STORE, SET IN PLACE, CONNECT AND PLACE INTO OPERATION INTO THE WORK. PROVIDE - TO FURNISH AND INSTALL.
- CONNECT TO BRING SERVICE TO THE EQUIPMENT AND MAKE FINAL ATTACHMENT INCLUDING NECESSARY SWITCHES, OUTLETS, BOXES, TERMINATIONS, ETC. CONDUIT - INCLUDES IN ADDITION TO CONDUIT, ALL FITTINGS, PULL BOXES, HANGERS AND OTHER SUPPORTS AND ACCESSORIES RELATED TO SUCH CONDUIT. CONCEALED - HIDDEN FROM SIGHT IN CHASES, FURRED SPACES, SHAFTS, HUNG CEILINGS. EMBEDDED IN CONSTRUCTION, IN CRAWL SPACES OR BURIED. 8. EXPOSED: NOT INSTALLED UNDERGROUND NOR CONCEALED AS DEFINED ABOVE.
- THE DRAWING AND SPECIFICATIONS CONSTITUTE THE CONTRACT DOCUMENTS. ANY ITEM NOTED IN THE SPECIFICATION OR SHOWN ON THE DRAWINGS IS INCLUDED IN THE CONTRACT DOCUMENTS. K. ALL ELECTRICAL DETAILS AND DRAWINGS ARE DIAGRAMMATIC, UNLESS SPECIFICALLY NOTED. FIELD VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES, IN WRITING, PRIOR TO INSTALLATION.
- INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY PRECAUTIONS REQUIRED WITH THIS WORK IN ACCORDANCE WITH THE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND OTHER GOVERNING AGENCIES. M. DO NOT REMOVE OR DISTURB ANY ASBESTOS CONTAINING MATERIALS FROM THE PROJECT.
- IMMEDIATELY STOP WORK AND NOTIFY THE TENANT IF ASBESTOS CONTAINING MATERIALS ARE 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. CONDUITS, PIPES, DUCTS, LIGHTS, DEVICES, SPEAKERS, ETC., SHOWN ON THE DRAWINGS AS EXISTING HAVE BEEN BASED ON EXISTING PLANS AND MAY NOT BE INSTALLED AS ORIGINALLY

SHOWN. IT IS THE CONTRACTORS 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 MECHANICAL 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. NOTIFY THE ARCHITECT/ENGINEER OF ANY CONFLICTS THAT CANNOT BE RESOLVED. IN THE FIELD BY AFFECTED TRADES DEDLACEMENT OF WORK DUE TO LACK O FAILURE TO VERIFY EXISTING CONDITIONS WILL BE COMPLETED AT NO COST TO THE TENANT. Q. INSTALL ALL CONDUIT, CABLE TRAY, BUSDUCT, EQUIPMENT, ETC. ALLOWING PROPER CODE AND MAINTENANCE CLEARANCES AND TO AVOID BLOCKING PASSAGEWAYS AND ACCESS PANELS.

WHERE WORK MUST BE REPLACED DUE TO THE FAILURE OF THE CONTRACTOR TO VERIFY THE

- CONDITIONS EXISTING ON THE JOB, SUCH REPLACEMENT MUST BE ACCOMPLISHED AT NO COST TO THE TENANT. THIS APPLIES TO SHOP FABRICATED WORK AS WELL AS TO WORK FABRICATED IN S. THROUGHOUT THE COURSE OF THE WORK, MINOR CHANGES AND ADJUSTMENTS TO THE INSTALLATION MAY BE REQUESTED BY THE ENGINEER. THE CONTRACTOR SHALL MAKE ADJUSTMENTS WITHOUT ADDITIONAL COST TO THE TENANT, WHERE SUCH ADJUSTMENTS ARE
- NECESSARY TO THE PROPER INSTALLATION AND OPERATION WITHIN THE INTENT OF THE CONTRACT OCUMENTS. THIS DOES NOT INCLUDE WORK ALREADY COMPLETED. OBTAIN EXACT LOCATION OF CONNECTION TO EQUIPMENT, FURNISHED BY OTHERS, FROM THE PERSON FURNISHING THE FOUIPMENT. DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND WHAT IS CALLED FOR IN EITHER ONE IS AS BINDING AS IF CALLED FOR IN BOTH.
- INCLUDE THE BETTER QUALITY, GREATER QUANTITY OR HIGHER COST FOR AN ITEM OR ARRANGEMENT WHERE A DISAGREEMENT EXISTS IN THE DRAWINGS AND SPECIFICATIONS. W. 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. 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 TENANT AND ARCHITECT AND ENGINEER. INCLUDE DAMAGE TO THE FINISH OR THE BUILDING RESULTING FROM THE ORIGINAL DEFECT OR REPAIRS. REPLACE ALL RECEPTACLES, SWITCHES, COVERPLATES, ETC., DAMAGED BY ANY CONTRACTOR
- MATERIALS FURNISHED FOR THE TEMPORARY LIGHT AND POWER SYSTEM REMAIN CONTRACTORS PROPERTY. REMOVE WHEN THERE IS NO LONGER ANY NEED FOR TEMPORARY LIGHT AND POWER OR WHEN DIRECTED BY THE ARCHITECT
- AA. COORDINATE/SCHEDULE ALL WORK WITH THE TENANT TO MINIMIZE ANY DISRUPTIONS. CONFINE ALL INTERRUPTIONS TO THE SMALLEST POSSIBLE AREA. PROVIDE TEMPORARY CONNECTIONS IF REQUIRED TO PROVIDE CONTINUITY OF SERVICE.
- BB. INSPECT ALL AREAS AFFECTED BY THE INTERRUPTIONS AND RETURN ALL AUTOMATICALLY CONTROLLED EQUIPMENT, ELECTRICALLY OPERATED EQUIPMENT TO THE SAME OPERATING
- CC. NO FIRE ALARM SYSTEMS ARE TO REMAIN INACTIVE AT THE END OF THE WORK DAY. ASSURE THAT THE FIRE ALARM SYSTEM IS OPERATIONAL AT THE END OF EACH WORK DAY. COORDINATE
- DD. DO NOT DISTURB NORMAL USE OF THE FACILITY, EXCEPT WITHIN THE IMMEDIATE CONSTRUCTION AREA. KEEP WALKS, DRIVEWAYS, ENTRANCES, ETC. FREE AND CLEAR OF EQUIPMENT, MATERIAL
- EE. STORE ALL EQUIPMENT AND MATERIAL IN A PLACE AND MANNER THAT MINIMIZES CONGESTION AND S APPROVED BY THE TENANT
- FF. PROVIDE NEW MATERIAL AND EQUIPMENT, UNLESS NOTED OTHERWISE. PROTECT EQUIPMENT AND MATERIAL FROM DAMAGE. DIRT AND THE WEATHER. GG. 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 NECA STANDARDS. HH. THE TENANT RESERVES THE RIGHT TO REJECT MATERIAL OR WORKMANSHIP NOT IN ACCORDANCE WITH THE SPECIFICATIONS, BEFORE OR AFTER INSTALLATION. PERFORM ALL CUTTING AND PATCHING NECESSARY TO WORK, UNLESS SPECIFICALLY DELEGATED) THE GENERAL CONTRACTOR. OBTAIN SPECIAL PERMISSION FROM THE LANDLORD 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
- JJ. PATCH ALL HOLES LEFT AS A RESULT OF DEMOLITION OF ELECTRICAL EQUIPMENT AND DEVICES. KK. PREVENT THE SPREAD OF DUST, DEBRIS, AND OTHER MATERIAL INTO ADJACENT AT LL. REPLACE ALL CEILING TILES DAMAGED DURING INSTALLATION OF WORK, WITH NEW TILE. MM. PROVIDE MINIMUM 4" HIGH CONCRETE PADS FOR ALL FLOOR MOUNTED EQUIPMENT.
- NN. SIZE PAD TO PROVIDE A MINIMUM 2" OVERLAP AROUND PERIMETER OF EQUIPMENT.

- OO. REFINISH ALL ELECTRICAL 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. PAINT ALL NEW RACEWAY SYSTEMS IN EXPOSED FINISHED AREAS
- UU. AFTER TESTS HAVE BEEN MADE AND ACCEPTED, CLEAN LIGHT FIXTURES, PANELS AND OTHER EQUIPMENT INSTALLED BY THE CONTRACTOR, LEAVING THE ENTIRE WORK AREA IN A CLEAN AND COMPLETE WORKING ORDER VV. OPERATE EQUIPMENT AND SYSTEMS IN ALL THEIR OPERATING MODES, TO VERIFY PROPER OPERATION, PRIOR TO FINAL INSPECTION AND OWNER INSTRUCTIONS. NOTIFY THE ENGINEER, IN

WRITING, THAT ALL SYSTEMS HAVE BEEN TESTED AND ARE FUNCTIONING AND OPERATING

- WW. INCLUDE DOCUMENTATION OF INSTRUCTIONS IN THE OPERATION AND MAINTENANCE MANUALS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ELECTRICAL EQUIPMENT OR MATERIALS UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE TENANT. KEEP ALL EQUIPMENT CLEAN MATERIALS UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE TENANT.
- <u>125 DEMOLITION</u>
 EXAMINE THE BUILDING TO DETERMINE ACTUAL CONDITIONS AND EXTENT OF WORK PRIOR TO BIDDING THE PROJECT, REFER ANY UNCLEAR DETAILS OR CONFLICTS TO THE ARCHITECT/ENGINEER FOR CLARIFICATION PRIOR TO BIDDING THE DRAWINGS. VERIFY THAT FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS ARE AS SHOWN OF
- VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED FACILITIES. BEGINNING OF DEMOLITION MEANS INSTALLER ACCEPTS EXISTING CONDITIONS. COORDINATE PHASING OF THE DEMOLITION WORK WITH THE CONSTRUCTION SEQUENCE SCHEDULE. DISCONNECT ELECTRICAL SYSTEMS IN WALLS, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL, COORDINATE UTILITY SERVICE OUTAGES WITH LANDLORD. IDENTIFY EXISTING ELECTRICAL EQUIPMENT SUCH AS CONDUITS, BOXES, PULLBOXES, CONDUIT BODIES, AND CONDUIT RACKS THAT WILL NEED ADDITIONAL SUPPORT DUE TO THE DEMOLITION OF HE EXISTING SUPPORTS.

PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS. INCLUDING TELEPHONE AND DATA SYSTEMS, IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH

- EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. NOTIFY AND OBTAIN PERMISSION FROM TENANT, ARCHITECT/ENGINEER AT LEAST 24 HOURS BEFORE PARTIALLY OR DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA. EXISTING FIRE ALARM SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS ACCEPTED. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. NOTIFY AND OBTAIN PERMISSION FROM LANDLORD. ARCHITECT/ENGINEER AND LOCAL FIRE SERVICE AT LEAST 24 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREA ADJACENT TO WORK AREA. EXISTING TELEPHONE /DATA SYSTEM: MAINTAIN EXISTING SYSTEMS IN SERVICE UNTIL NEW SYSTEMS ARE COMPLETE AND READY FOR SERVICE AND ACCEPTED. DISABLE SYSTEMS ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. NOTIFY AND OBTAIN PERMISSION FROM LANDLORD, ARCHITECT/ENGINEER AND TELEPHONE UTILITY COMPANY AT LEAST 24 HOURS BEFORE PARTIALLY OR COMPLÉTELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY
- DEMOLISH AND EXTEND EXISTING ELECTRICAL WORK UNDER AND THIS SECTION, AND AS INDICATED N THE DRAWINGS. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION. PROVIDE SUPPORTS FOR ALL EXISTING ELECTRICAL EQUIPMENT THAT WAS SUPPORTED PREVIOUSLY BY DEMOLISHED WALLS, FLOORS, CEILING OR OTHER STRUCTURES. PROVIDE NEW SUPPORTS FROM STRUCTURAL MEMBERS NOT SLATED FOR DEMOLITION, PRIOR TO ANY DEMOLITION. TENANT RESERVES THE RIGHT OF FIRST REFUSAL TO OBTAIN MATERIAL SHOWN TO BE REMOVED UNDER THIS CONTRACT. ITEMS NOT RETAINED BY THE TENANT BECOME THE PROPERTY OF THE CONTRACTOR AND MUST BE REMOVED FROM THE PREMISES. DEMOLISH AND REMOVE ALL ELECTRICAL SYSTEMS INDICATED FOR DEMOLITION. NO PORTION OF

CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.

THESE SYSTEMS MAY BE ABANDONED IN PLACE.

- REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT IN WALLS, FLOORS, OR COLUMNS BACK TO A POINT WHERE PATCHING CAN BE ADEQUATELY PERFORMED AND PATCH SURFACES. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS, WHICH ARE NOT REMOVED.
- DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT DISCONNECT AND REMOVE ABANDONED LUMINARIES. REMOVE BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS, WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE. EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING LECTRICAL INSTALLATIONS, OR AS SPECIFIED. RELOCATE AND REROUTE CONDUIT AND WIRING AS
- REQUIRED FOR CONDUIT CONCEALED IN WALLS OR STRUCTURE BEING ALTERED AS PART OF THE REMODELING, MAINTAIN CONTINUITY TO ALL DEVICES IN AND DOWNSTREAM OF REMODELED WORK, REROUTE EXISTING RACEWAY AND WIRING, WHICH IS EXPOSED DUE TO REMOVAL OF EXISTING CONSTRUCTION. CONCEAL NEW RACEWAY AND WIRING AND MAINTAIN OPERATION. AA. IF CONDUCTORS ARE REQUIRED TO BE REMOVED FROM EXISTING RACEWAYS, INSTALL WITH NEW
- PROVIDE NEW COVERPLATES THROUGHOUT THE REMODELED AREAS. DISPOSE OF FLUORESCENT LAMPS, BALLASTS, AND OTHER HAZARDOUS MATERIALS IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.
- DD. PRIOR TO REINSTALLATION OF USED EQUIPMENT, THOROUGHLY INSPECT EACH ITEM AND REPORT ANY DEFECTS TO THE ENGINEER/ARCHITECT IN WRITING INSTRUCTIONS FOR CORRECTIVE MEASURES WILL BE GIVEN AT THE TIME AND THE CONTRACT AMOUNT ADJUSTED ACCORDINGLY. IF NO DEFECTS ARE REPORTED, THE MATERIAL WILL BE INCLUDED UNDER THE CONTRACTOR'S ONE-YEAR GUARANTEE AS OUTLINED IN SECTION 16010
- PANELBOARDS: CLEAN EXPOSED SURFACES AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT BREAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING REVISED CIRCUITING ARRANGEMENT. LUMINARIES: REMOVE EXISTING LUMINARIES FOR CLEANING. USE MILD DETERGENT TO CLEAN ALL
- EXTERIOR AND INTERIOR SURFACES; RINSE WITH CLEAN WATER AND WIPE DRY. REPLACE LAMPS, BALLASTS, AND BROKEN FLECTRICAL PARTS. INSTALL RELOCATED MATERIALS AND EQUIPMENT AS INDICATED ON THE DRAWINGS.
- 16050 BASIC MATERIALS AND METHODS A. PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR ALL BRANCH CIRCUITS. DO NOT SHARE NEUTRAL CONDUCTORS. ENCASE ALL CONDUCTORS IN A CONTINUOUS RACEWAY SYSTEM. PROVIDE PULL AND JUNCTION BOXES AS REQUIRED BY THE NEC. SIZE ALL RACEWAY PER THE NEC WITH OVERSIZE CONDUITS AS INDICATED. PROVIDE MINIMUM 3/4" CONDUIT FOR BRANCH CIRCUIT HOMERUNS, PROVIDE
- MINIMUM 1/2" CONDUIT, UNLESS, NOTED OTHERWISE. PROVIDE EMT FOR ALL CONDUCTORS UNLESS NOTED OTHERWISE. PROVIDE CONCRETE-TIGHT STEEL COMPRESSION OR STEEL SETSCREW TYPE FITTINGS, COUPLINGS AND BUSHINGS. CAST OR INDENTOR TYPE DEVICES ARE NOT ACCEPTABLE. ALL FITTINGS USED IN PLENUM APPLICATIONS SHALL BE RATED FOR SUCH USE. PROVIDE IMC OR CONCRETE-ENCASED PVC CONDUIT FOR SERVICE ENTRANCE CONDUCTORS. PVC CONDUIT MAY BE USED UNDERGROUND OR BELOW CONCRETE SLABS. PROVIDE COATED RIGID STEEL ELBOWS FOR ALL ELBOWS WHERE PVC IS USED.
- PROVIDE FLEXIBLE METAL CONDUIT FOR CONNECTIONS TO TRANSFORMERS, MOTORS AND OTHER VIBRATING PIECES OF EQUIPMENT, PROVIDE LIQUID-TIGHT CONDUIT FOR ALL CONNECTIONS IN DAMP OR WET LOCATIONS. PROVIDE GROUND TYPE FITTINGS AND GROUNDING CONDUCTOR INSIDE ALL EXIBLE CONDUIT. ADJUST CONDUIT SIZE IF REQUIRED. PROVIDE RECESSED OUTLET BOXES AND JUNCTION BOXES IN ALL NEW CONSTRUCTION. CONCEAL ALL CONDUIT WORK IN NEW CONSTRUCTION, EXCEPT MECHANICAL ROOMS. CONDUIT AND BOXES N MECHANICAL ROOMS MAY BE RUN EXPOSED
- PROVIDE EXPANSION FITTINGS WHERE RACEWAY CROSSES BUILDING EXPANSION JOINTS RUN ALL EXPOSED CONDUIT IN A NEAT, WORKMANLIKE MANNER PARALLEL TO THE BUILDING LINES. TIGHT TO THE WALL AND CEILING SURFACES, AND FIRMLY SUPPORT WITH CONDUIT CLAMPS OR HANGERS. PROVIDE TWO (2) HOLE MOUNTING STRAPS, MINIMUM THREE (3) FEET ON CENTER, FOR ALL SURFACE CONDUIT MOUNTED ON WALLS LESS THAN SIX (6) FEET ABOVE FINISHED FLOOR. PLACE CONDUITS AT LEAST 8" AWAY FROM ALL HOT PIPING AND SURFACES INCLUDING DOMESTIC PROVIDE GALVANIZED CODE GAUGE STEEL JUNCTION AND PULL BOXES WITH SCREW ON COVERS OF TYPE, SHAPE AND SIZE REQUIRED TO SUIT EACH INSTALLATION. PROVIDE GASKETING IN DAMP
- AND DUSTY LOCATIONS. PROVIDE CAST BOXES IN WEATHERPROOF, VAPOR TIGHT AND EXPLOSION PROVIDE 4" BOXES THROUGHOUT. PROVIDE 3 1/2" DEEP BOXES WHERE INSTALLED IN MASONRY, 2 1/2" MINIMUM ELSEWHERE. PROVIDE SINGLE GANG MUD OR TILE RING FOR SINGLE DEVICES.

- MOUNT OUTLETS BOXES IN EXPOSED MASONRY WALLS WITH THE BOTTOM OF THE BOX ON THE TOP OF THE MORTAR JOINT AND THE VERTICAL LINE OF THE BOX EITHER ON THE MORTAR JOINT OR ON THE CENTER LINE OF THE MASONRY UNIT, PLUMB AND ACCURATELY ALIGN ALL WALL OUTLETS IN ROWS. MOUNT CEILING BOXES SYMMETRICAL WITH WALLS, BEAMS AND/OR TILES. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS ARE FROM THE CENTER OF THE OUTLET BOX TO THE FINISHED FLOOR DIRECTLY BELOW THE OUTLET. EXTERIOR HEIGHTS ARE FROM INSIDE ADJACENT DOOR, OR IF NO DOOR, FROM THE FIRST FLOOR ABOVE GRADE, UNLESS NOTED
- COORDINATE THE LOCATION OF ALL OUTLETS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS EFORE INSTALLATION. COORDINATE ALL DOOR SWINGS IN THE FIELD BEFORE LOCATING SWITCHES. PROVIDE NEW WIRING DEVICES IN EACH OUTLET INDICATED ON THE DRAWINGS. PROVIDE ALL DEVICES FROM ONE MANUFACTURER. COLOR TO MATCH ADJACENT SURFACE APPROVED TOGGLE SWITCH MANUFACTURERS/MODEL NUMBERS:

20A/120-277 WALL SWITCHES

	MFR.	1-POLE	1-POLE W/PILOT	2-POLE	3-WAY	4-WAY	KEYED 1 POLE	MOM. CONTACT
	COOPER	2221	2221PL	2222	2223	2224	2221L	1995
	HUBBELL	HBL1221	HBL1221PL	HBL1222	HBL1223	HBL1224	HBL1221L	HBL1557
l	P&S	PS20AC1	PS20AC1-RL	PS20AC2	PS20AC	3 PS20AC4	PS20AC1-L	1251
	LEVITON	1221-2	1221-2PL	1222-2	1223-2	1224-2	1221-2L	1257
Ρ.	APPROVE	APPROVED STANDARD RECEPTACLE MANUFACTURERS/MODEL NUMBERS:						
	20A/125V STANDARD RECEPTACLES							
	MFR.	SIMPLEX	DUPLEX	GF	7	IG .	rvss	TAMPER RESISTANT

 XGF20
 IG536-2
 5362S
 TR8300

 GFR5352-A
 IG536-2
 HBL5360SA
 HBL8300SG
 A

 2094
 IG630-0
 8300SP
 TR63H

 8899
 5362-IG
 7380
 8300-SG

 HUBBELL
 HBL536-1
 HBL536-2
 GFR53

 P&S
 5361
 5362A OR PT5362-A
 2094
 *PROVIDE THE CORRESPONDING HOSPITAL GRADE DEVICE WHEN THIS DEVICE IS USED.

- Q. PROVIDE NEW COVERPLATES OVER ALL BOXES WITH THE FOLLOWING SPECIFICATIONS: ALL FINISHED AREAS AND UNFINISHED AREAS PROVIDE PLASTIC COVERS, COLOR TO MATCH ADJACENT SURFACE OR AS SELECTED BY THE ARCHITECT. PROVIDE APPROPRIATE COVERS OVER SPECIAL PURPOSE RECEPTACLES. PROVIDE NEW WEATHERPROOF COVERPLATES FOR OUTLETS AND SWITCHES AS INDICATED ON THE DRAWINGS AND FOR ALL EXTERIOR DEVICES. PROVIDE WRE AND CARLE WITH INSULATION VOLTAGE RATING FOLIAL TO OR GREATER THAN THE
- APPLIED SYSTEM VOLTAGE, PROVIDE SOLID OR STRANDED COPPER CONDUCTORS WITH TYPE THWN. THHN, OR XHHN INSULATION FOR NO. 12 AWG AND NO. 10 AWG CONDUCTORS. PROVIDE STRANDED D COPPER CONDUCTORS WITH TYPE THWN, THHN, OR XHHW INSULATION FOR NO. 8 AWG AND LARGER CONDUCTORS. PROVIDE MINIMUM NO. 12 AWG CONDUCTOR SIZE, UNLESS NOTED OTHERWISE. USE THE MINIMUM CONDUCTOR SIZE WHEN NO SIZE IS INDICATED. ALL CONDUCTORS TO BE COLOR-CODED AS FOLLOWS;120/208 VOLT SYSTEMS-PHASE A(BLACK), PHASE B(RED), PHASE C(BLUE), NEUTRAL(WHITE). 277/480 VOLT SYSTEMS-PHASE A(BROWN), PHASE B(ORANGE), PHASE C(YELLÓW), NEUTRAL(WHITE WITH TRACER OR GRAY), GROUNDING SYSTEM(GREEN). PRIOR TO TURNING THE BUILDING OVER TO THE OWNER TURN ON ALL EQUIPMENT IN THE BUILDING INCLUDING LIGHTING AND WITH A MULTIMETER, READ THE CURRENT DRAWN ON EACH HOT LEG OF FEEDER SUPPLYING EACH DISTRIBUTION PANEL. IF THE CURRENT IN ANY ONE LEG VARIES MORE THAN 5% (PLUS OR MINUS) FROM THE ARITHMETIC AVERAGE OF THE CURRENT IN ALL THE HOT
- LEGS, RECONNECT THE BRANCH CIRCUITS TO OBTAIN A BALANCED LOADING PROVIDE FIRE BARRIERS AROUND CONDUIT, PIPE, TUBING, BUS DUCTS AND CABLES PASSING THROUGH SMOKE AND FIRE RATED FLOORS AND WALLS. PROVIDE CP 25, 303 AND PSS7904 SERIES BY 3M, OR "FLAME-SAFE" SYSTEM BY THOMAS AND BETTS CORP FOR FIRE SEALS. MAKE CONNECTIONS TO ALL MOTORS AND EQUIPMENT FURNISHED AND SET IN PLACE BY OTHERS. PROVIDE STARTERS, MANUAL CONTROLS AND AUXILIARY EQUIPMENT WHERE INDICATED IN
- SCHEDULES AND SPECIFIED HERFIN. PROVIDE ALL DISCONNECT SWITCHES AS INDICATED IN SCHEDULES, SPECIFIED HEREIN AND REQUIRED BY CODE. FREE RUN CABLES TO BE SECURED TIGHT AGAINST STRUCTURE. BUNDLE ALL LOW VOLTAGE CABLES TOGETHER WHENEVER POSSIBLE.

16400 - POWER DISTRIBUTION A. RETAIL METERING CENTER.

- PROVIDE METER SECTIONS CONTAINING METER QUANTITIES AS INDICATED ON THE DRAWINGS. F. PROVIDE 3 PHASE, 4 WIRE METERS FOR USE ON 120/208 VOLT AND 277/480 VOLT. 3 PHASE, 4 WIRE SYSTEMS WITH SEVEN (7) JAW METER SOCKETS. METERS FURNISHED BY THE UTILITY COMPANY.
- MOUNT ALL OF THE ABOVE COMPONENTS AS SHOWN ON THE DRAWINGS IN A UL APPROVED AND LABELED, NEMA CLASS 1 FLOOR MOUNTED STEEL ENCLOSURE. ENCLOSURE TO BE CONSTRUCTED TO FINISHED STEEL CLEANED, PRIMED, AND PAINTED WITH BAKED ENAMEL FINISH PRIOR TO SHIPMENT TO THE JOB SITE. PROVIDE FUSES OF THE FOLLOWING TYPES (BUSSMAN USED AS REFERENCE)
- 600 AMPS AND ABOVE: TIME-DELAY TYPE DESIGNED TO HOLD 500% OF RATED CURRENT FOR A MINIMUM OF 4 SECONDS AND CLEAR 20 TIMES CURRENT IN 0.01 SECONDS OR LESS WITH INTERRUPTING RATINGS OF 200,000 AMPERES RMS SYMMETRICAL AND PEAK LET-THROUGH CURRENT AND ENERGY LET-THROUGH VALUES ESTABLISHED BY U.L. STANDARD FOR CLASS L FUSES. PROVIDE KRP-C FUSES. BELOW 600 AMPS: DUAL-ELEMENT CONSTRUCTION WITH INTERRUPTING RATING OF 200,000
- MPERES RMS SYMMETRICAL AND PEAK LET-THRU CURRENT ESTABLISHED BY U.L. STANDARD FOR CLASS RK-1 FUSES. PROVIDE LPN-RK/LPS-RK MOTOR CIRCUITS: PROTECT ALL INDIVIDUAL MOTOR CIRCUITS WITH FULL LOAD AMPERE RATING (FLA) OF 480 AMPERES OR LESS WITH DUAL-ELEMENT TIME-DELAY FUSES. PROVIDE G LPN-RK/LPS-RK. PROTECT LARGER HORSEPOWER MOTORS WITH TIME-DELAY FUSES. PROVIDE KRP-C FUSES. PROVIDE U.L. CLASS RK1, DUAL-ELEMENT TIME-DELAY FOR ALL OTHER
- MOTOR CONTROLLERS: PROTECT NEMA AND IEC STYLE MOTOR CONTROLLERS WITH DUAL-ELEMENT, TIME-DELAY FUSES TO PROVIDE TYPE 2 COORDINATION FOR THE CONTROLLER. PROVIDE LPS-RK FUSES. PROTECT CIRCUIT BREAKER PANELS WITH U.L. CLASS RK1, CLASS L FUSES. PROVIDE LPN-RK,
- LPS-RK. OR KRP-C FUSES. PROVIDE FUSE SIZES AS INDICATED ON THE DRAWINGS. ACCEPTABLE MANUFACTURERS: BUSSMAN, FERRAZ-SHAWMUT OR LITTELFUSE OR RE-APPROVED EQUAL.
- PROVIDE PANELBOARD ASSEMBLIES ADHERING TO THE FOLLOWING SPECIFICATIONS: ENCLOSURES CONSTRUCTED OF GALVANIZED SHEET STEEL OF THICKNESS AS REQUIRED BY CODE. WITH ENAMELED STEEL TRIM, DISTRIBUTED BUSING, HINGED STEEL DOORS LATCHES. LOCKS AND ADJUSTABLE TRIM CLAMPS. PROVIDE NEMA 3R ENCLOSURES FOR EXTERIOR
- PROVIDE WELDED METAL FRAME WITH TYPED CIRCUIT DIRECTORY FOR EACH PANEL. COMPLIANT TO THE FOLLOWING STANDARDS: UL 50, UL 67, NEMA PB-1, NFPA 70 AND FED. SPEC W-P-115C , UL 489, NEMA AB-1, FED. SPEC. W-C-375B/GEN, IEC 157-1 AND BS COMPLIANT TO ARTICLE 408 OF THE NEC: SWITCHBOARDS AND PANELBOARDS. PROVIDE PANELBOARDS WITH SHORT CIRCUIT CURRENT RATINGS AS SHOWN ON THE PLANS.
- PROVIDE 240 VOLT AC RATED PANELBOARDS FOR 208/120 AND 240 VOLT AC SYSTEMS. PROVIDE 480/277 VOLT RATED PANELBOARDS FOR 480/277 VOLT SYSTEMS. PROVIDE TIN-PLATED COPPER BUS BARS OR TIN-PLATED ALUMINUM BUS BARS. PROVIDE PROPER LUGS (75° C. MINIMUM TEMPERATURE RATING) AND GUTTER SPACE FOR
- PROVIDE ALL PANELS BY THE SAME MANUFACTURER. PROVIDE SCREW MOUNTED, ENGRAVED NAMPLATES FOR EACH PANELBOARD.
 PROVIDE MOLDED CASE, NON-ADJUSTABLE, THERMAL-MAGNETIC, QUICK-MAKE, QUICK-BREAK,
 BOLT-ON TYPE CIRCUIT BREAKERS. REFER TO THE SCHEDULES ON THE PLANS FOR SIZES AND QUANTITIES.
- PROVIDE MULTI-POLE BREAKERS WHERE INDICATED ON THE SCHEDULES. HANDLE TIES ON SINGLE POLE BREAKERS ARE NOT ACCEPTABLE SERIES RATING OF CIRCUIT BREAKERS IS NOT ALLOWED. PROVIDE SECONDARY GROUND BUS IN EACH 208/120V PANEL BOARD. ACCEPTABLE MANUFACTURERS:
- SQUARE D TYPE NQOD OF NF SIEMENS TYPE S1 SERIES EATON POW-R-LINE 1A SERIES

5. PRE-APPROVED EQUAL

. SQUARED D TYPE NE

480 VOLT

4. GENERAL ELECTRIC AQ SERIES

SIEMENS TYPE S2 SERIES

EATON POW-R-LINE 2A SERIES

- . GENERAL ELECTRIC AE SERIES . PRE-APPROVED EQUAL PROVIDE PANEL IDENTIFICATION LABEL FOR EACH PANEL INCLUDING PANEL NAME, VOLTAGE AND FEEDER. FOR EXAMPLE: "HDP-1-1, 480/277 V, 3£, 4 WIRE, 2"C - 4 # 4/0 THWN". MOUNT PANELBOARDS AND CABINETS TO 3/4" PLYWOOD BACKER BOARD. MOUNT INDEPENDENT OF M.
- CONDUIT AND RACEWAYS ENTERING BOXES. MOUNT PANELBOARDS WITH CABINET TOP AT 78" ABOVE FINISHED FLOOR. PROVIDE 3/4"EMPTY CONDUITS FROM EACH FLUSH MOUNTED PANELBOARD. WHEN THE FLOOR IS ON GRADE, PROVIDE THREE (3) CONDUITS INTO THE CEILING CAVITY ABOVE, WHEN THE FLOOR HAS ACCESSIBLE SPACE BELOW, PROVIDE TWO (2) CONDUITS INTO THE CEILING SPACE ABOVE
- AND TWO (2) CONDUITS INTO THE ACCESSIBLE SPACE BELOW THE FLOOR. ENDS SHALL BE CAPPED AND SHALL BE TAGGED AT BOTH ENDS WITH PERMANENT TAGS. PROVIDE A CIRCUIT DIRECTORY COMPLETELY TYPED ON THE INTERIOR OF EACH PANEL DOOR. FOUIPMENT GROUND - SOLIDLY GROUND ALL CONDUIT SYSTEMS, SWITCH BOXES, CABINETS, MOTOR FRAMES, SWITCHGEAR, TRANSFORMERS, AND ALL OTHER PERMANENTLY INSTALLED EQUIPMENT IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE TO FORM A CONTINUOUS, PERMANENT AND EFFECTIVE GROUNDING SYSTEM. BOND EXPANSION JOINTS AND
- SPECIFIED HEREIN. WHEN CONNECTING SINGLE PHASE CIRCUITS AND EQUIPMENT TO A THREE (3) PHASE SYSTEM, DISTRIBUTE THE LOADS ON THE PHASES TO ACHIEVE AN APPROXIMATELY BÁLANCED LOADING OF THE THREE-PHASE SYSTEM.

METAL RACEWAY SECTIONS. PROVIDE GROUND CONDUCTOR AS INDICATED ON THE DRAWINGS OR

- PROVIDE "ON-OFF" TOGGLE TYPE MANUAL STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION FOR SINGLE PHASE MOTORS. WHERE MANUAL CONTROL IS INDICATED. PROVIDE EACH SWITCH WITH A RED PILOT LIGHT INDICATING WHEN MOTOR IS ON. PROVIDE FULL VOLTAGE TYPE STARTERS AND THERMAL OVERLOAD PROTECTION AND EXTERNAL MANUAL RESET FOR ALL THREE-PHASE MOTORS, UNLESS INDICATED OTHERWISE. EQUIP EACH STARTER WITH 120 VOLT COIL, CONTROL POWER TRANSFORMER, SECONDARY FUSE BLOCK AND FUSES, AUXILIARY CONTACTS AS INDICATED, RED "ON" PILOT LIGHT, AND "HAND-OFF-AUTO" CONTROL SWITCH. PROVIDE COMBINATION STARTER/DISCONNECT WHEN INDICATED ON THE PLANS. ACCEPTABLE MANUFACTURERS FOR MAGNETIC STARTERS: ALLEN-BRADLEY BULL. 509 & 512,
- PROVIDE MANUAL MOTOR STARTING SWITCH OR TYPE "SS" FUSED DISCONNECT ADJACENT TO EACH 120 VAC SINGLE PHASE MOTOR LOCATED OUT OF SIGHT AND/OR IN EXCESS OF 50'-0" FROM THE CONTROLLER, OR AS INDICATED ON THE DRAWINGS. INTER LOCK ROOFTOP HVAC UNIT FAN STARTER WITH DUCT DETECTOR TO SHUT DOWN FAN UPON

SQUARE D CLASS 8536, EATON, GENERAL ELECTRIC, SIEMENS EQUIVALENT OR PRE-APPROVED

- PROVIDE VENTILATED, INDOOR, DRY-TYPE DISTRIBUTION TRANSFORMER WITH THE CAPACITY AND VOLTAGE CHARACTERISTICS INDICATED ON THE DRAWINGS. TRANSFORMERS 15 KVA AND ABOVE WILL BE DESIGNED TO OPERATE WITH A 115 DEGREES C. TEMPERATURE RISE ABOVE 40 DEGREES AMBIENT. PROVIDE ALL INSULATING MATERIALS FOR A 220 DEGREES C. INSULATION SYSTEM PROVIDE TRANSFORMERS MEETING OR EXCEEDING NEMA CLASS 1 EFFICIENCY REQUIREMENTS AS
- REQUIRED IN THE LOCAL ENERGY CODE. PROVIDE VOLTAGE TAPS AS INDICATED BELOW: PROVIDE TWO 5% FCBN TAPS FOR ALL SINGLE AND 3 PHASE TRANSFORMERS 9 KVA AND
- PROVIDE TWO 2 1/2% FCBN AND TWO 2 1/2% FCAN TAPS FOR ALL 3 PHASE TRANSFORMERS 15 KVA AND BELOW. PROVIDE FOUR 2 1/2% FCBN AND TWO 2 1/2% FCAN TAPS FOR ALL 3 PHASE TRANSFORMERS ABOVE 15 KVA.

PROVIDE SOUND RATINGS NOT EXCEEDING THE FOLLOWING LEVELS:

0 TO 15 KVA, 40 DECIBELS. 15 TO 50 KVA, 45 DECIBELS. 50 TO 150 KVA, 50 DECIBELS.

DETECTOR ACTIVATION.

- 150 KVA OR GREATER, 50 DECIBELS. PROVIDE CONTINUOUS COPPER OR ALUMINUM COIL CONDUCTORS WITH BRAZED OR WELDED ISOLATE TRANSFORMER CORE AND COIL FROM THE ENCLOSURE USING VIBRATION - ABSORBING PROVIDE TRANSFORMERS 75 KVA OR LESS WITH ENCLOSURES SUITABLE FOR WALL, FLOOR OR TRAPEZE MOUNTING. PROVIDE TRANSFORMER LARGER THAN 75 KVA WITH ENCLOSURES SUITABLE FOR FLOOR OR TRAPEZE MOUNTING
- PROVIDE MAXIMUM CASE TEMPERATURES NOT EXCEEDING A 35C TEMPERATURE RISE ABOVE A 40 ACCEPTABLE MANUFACTURERS: EATON, GENERAL ELECTRIC, SIEMENS, SORGEL, HEVI-DUTY JEFFERSON ELECTRIC OR PRE-APPROVED EQUAL
- <u>0 LIGHTING</u> COMPLY WITH NEC AS APPLICABLE TO THE INSTALLATION AND CONSTRUCTION OF LIGHT FIXTURES. COMPLY WITH UBC AS APPLICABLE TO THE INSTALLATION AND CONSTRUCTION OF LIGHT FIXTURES. PROVIDE LIGHT FIXTURES THAT ARE LISTED AND LABELED BY U.L. OR ANOTHER NATIONALLY RECOGNIZED TESTING LABORATORY FOR THE APPLICATION. PROVIDE LAMP BALLASTS THAT COMPLY WITH CERTIFIED BALLAST MANUFACTURERS ASSOCIATION
- STANDARDS AND CARRY THE CBM LABEL.
 COMPLY WITH ALL LOCAL, STATE AND FEDERAL ENERGY CODES. PROVIDE FIXTURES WITH LAMPS, FOR EACH OUTLET SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. SEE FIXTURES LIST ON THE PLAN. PROVIDE FLUORESCENT LAMP BALLASTS WITH THE FOLLOWING MINIMUM SPECIFICATIONS DISCONNECTING MEANS ON THE LINE SIDE OF THE BALLAST TO DISCONNECT ALL HOT AND NEUTRAL CONDUCTORS. AS REQUIRED BY 2008 NEC ARTICLE 410.130G. PROVIDE EITHER

FACTORY-INSTALLED DISCONNECTING MEANS, OR PROVIDE FIELD-INSTALLED DISCONNECT

a. APPROVED FIELD-INSTALLED DISCONNECT WAGO 873

INSIDE THE BALLAST CHANNEL

- TYCO/AMP LIGHT-N-LOK CPGI SERIES T & B STA-KON LD2/LD3 SERIES
- PROVIDE U.L. LISTED AND LABELED, C.B.M. APPROVED BALLASTS. INSTANT START BALLASTS FOR MAXIMUM EFFICIENCY.
- T8 ONLY: PARALLEL-WIRED OPERATION TO ENSURE LIGHT OUTPUT FROM ONE BALLAST EVEN WITH ONE OR TWO LAMPS EXTINGUISHED. COMPACT FLUORESCENT ONLY: SERIES WIRED LAMPS FOR MULTIPLE LAMP CONFIGURATIONS, AND PLUG-IN LEAD CONNECTORS FOR ALL LAMP LEADS CLASS "P" RATED WITH THERMALLY ACTIVATED AUTOMATIC RESETTING PROTECTIVE DEVICES EALED IN HOUSING.
- CURRENT CREST FACTOR: 1.7 OR LESS ON 60 HZ MODULATED CURRENT. COMPLY WITH FCC RULES PART 18 REQUIREMENTS GOVERNING ELECTROMAGNETIC AND RADIO FREQUENCY INTERFERENCE COMPLIES WITH IEEE 587 FOR WITHSTANDING LINE TRANSIENTS, VOLTAGE REGULATION + 10 PERCENT, LIGHT REGULATION + 10 PERCENT. BALLAST FACTOR: 0.88 OR HIGHER.
- POWER FACTOR: GREATER THAN 95 PERCENT SOUND RATING: "A" MINIMUM 5 YEAR WARRANTY INCLUDING \$10/BALLAST LABOR TOTAL HARMONIC DISTORTION: <20%, BUT GREATER THAN 10%.
- END-OF-LIFE LAMP SENSING FOR ALL COMPACT FLUORESCENT BALLASTS. H. APPROVED MANUFACTURERS – T8 ELECTRONIC BALLASTS
- APPROVED MANUFACTURERS COMPACT FLUORESCENT MOTOROLA GOLD EDITION ROBERTSON OSRAM QUICKTRONIC SERIES
- UNIVERSAL LIGHTING TECHNOLOGIES PROVIDE INSIDE FROSTED LAMPS WITH BRASS BASE, RATED 120 VOLTS FOR ALL INCANDESCENT LAMPS, UNLESS NOTED OTHERWISE. APPROVED MANUFACTURERS
- GENERAL ELECTRIC OSRAM/SYLVANIA PRE-APPROVED EQUAL
- PROVIDE MINIMUM 85 CRI FOR ALL FLUORESCENT LAMPS. PROVIDE 4100K COLOR LAMPS FOR ALL

- 1. PROVIDE F032, F025 AND F017 T8 LAMPS FOR ALL 4', 3' AND 2' FIXTURES, RESPECTIVELY, UNLESS NOTED OTHERWISE. APPROVED MANUFACTURERS
- GE STARCOAT SPX PHILLIPS TL80
- PROVIDE SOLID STATE, SLID-TYPE DIMMERS SUITABLE FOR MOUNTING BEHIND A STANDARD DEPTH FACEPLATE AND FOR OPERATION ON COMMON NEUTRAL CIRCUITS. PROVIDE 600 WATTS CAPACITY PER DIMMER UNLESS NOTED OTHERWISE ON THE PLANS. ACCEPTABLE MANUFACTURERS: LUTRON NOVA T-STAR SERIES OR PRE-APPROVED EQUAL SOLID STATE TYPE TIME SWITCHES. PROVIDE SOLID STATE, PROGRAMMABLE 24 HOUR OR 7-DAY, ELECTRIC TIME SWITCH WITH
- BACKUP TO MAINTAIN TIME AND MEMORY SETTING DURING A POWER OUTAGE. PROVIDE ASTRONOMICAL CONTROL. ACCEPTABLE MANUFACTURERS PARAGON EC7000 SERIES TORK MODEL D100 SERIES
- ELECTRICALLY HELD RELAY, 30 AMP BALLAST RATED, 20 AMPS TUNGSTEN RATED @ 277
- APPROVED MANUFACTURERS: SQUARE D CLASS 8903, TYPE 'L' SERIES
- PROVIDE PHOTOELECTRIC SWITCH CONTROL WITH A SET OF SPST CONTACTS RATED AT 120 VOLT AC, 1800VA IN A NEMA 3R ENCLOSURE. UL LISTED.
 APPROVED MANUFACTURERS:
- TORK 2101 SERIES 3. IF USED AS A SENSOR INPUT TO THE LIGHTING CONTROL SYSTEM, PROVIDE PHOTOCELL CONTROLLERS FULLY-COMPATIBLE WITH THE LIGHTING CONTROL PANELS USED ON THIS PROVIDE ALL HANGERS, RODS, MOUNTING BRACKETS, SUPPORTS, FRAMES, ETC. FOR PROPER AND
- SAFE FIXTURE INSTALLATION. INSTALL ALL FIXTURES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND INSTRUCTIONS. PROVIDE FIXTURES COMPLETE WITH ALL AUXILIARIES REQUIRED FOR PROPER. SAFE AND DISTORTION FREE INSTALLATION IN THE VARIOUS CEILING CONSTRUCTIONS IN WHICH THEY APPEAR. COORDINATE CEILING TYPES WITH THE ARCHITECTURAL DRAWINGS AND PROVIDE COMPATIBLE
- NECESSARY TO PREVENT LIGHT LEAKAGE AT THE CEILING LINE. SECURELY SUPPORT ALL LIGHT FIXTURES DIRECTLY FROM BUILDING STRUCTURAL MEMBERS OR 11/2" OR LARGER STEEL CEILING FRAMING CHANNELS. USE STEEL CHANNEL EQUIVALENT TO KINDORF #6029 WHERE IT IS NECESSARY TO SPAN THE BUILDING STRUCTURAL MEMBERS FOR MINIMUM 1/4" DIAMETER LAG SCREWS WHEN ANCHORING INTO WOOD STRUCTURAL MEMBERS. PENETRATE WOOD STRUCTURAL MEMBERS A MINIMUM OF 2" WITH ALL SCREWS. PROVIDE STEEL OR
- THE CEILING SUSPENSION WIRES. SUPPORT ALL LAY-IN FIXTURES INDEPENDENT OF THE CFILING SUPPORT SYSTEM PROVIDE FASTENING CLIPS ON EACH CORNER OF EACH FIXTURE IN ACCORDANCE WITH THE UBC AND STATE BUILDING CODES. EQUIP ALL FIXTURES USING CONDUIT STEMS WITH BALL SWIVEL HANGERS. IN FINISHED AREAS. PROVIDE CANOPIES FOR THE HANGERS. ATTACH FIXTURE HANGERS TO THE CEILING GRID PER CODE. SUPPORT ALL SUSPENDED FLUORESCENT FIXTURES WITH A MINIMUM OF TWO FIXTURE HANGERS
- CORNERS OF THE LIGHT FIXTURES. WHERE MASTER/SLAVE OR INBOARD/OUTBOARD SWITCHING IS INDICATED, PROVIDE TANDEM-WIRED BALLASTS BETWEEN LIGHT FIXTURES AS REQUIRED BY THE LOCAL ENERGY CODE WIRE ALL RECESSED LAY-IN FIXTURES WITH 6 FEET OF FLEXIBLE METAL CONDUIT WITH TYPE 'THHN/THWN" WIRE TO THE OUTLET BOX. PROVIDE GROUNDING TYPE CONNECTORS FOR ALL
- TO PERMIT EACH FIXTURE TO BE ADJUSTED TO FIT CEILING PATTERN AND TO PERMIT "FEED THROUGH" WIRING NEW LAMPS. INSTALL ALL FIXTURES COMPLETE WITH LENSES, DIFFUSERS, REFLECTORS, LOUVERS AND OTHER REQUIRED ACCESSORIES. BB. REPLACE ANY DAMAGED REFLECTORS, DIFFUSERS, LOUVERS OR OTHER COMPONENTS AT NO EXPENSE TO THE OWNER
- CLEAN ALL FIXTURES FREE OF DUST, FINGER PRINTS, PAINT, ETC DD. PERFORM AIMING AND ADJUSTMENT OF ALL LIGHTING FIXTURES IN ACCORDANCE WITH INSTRUCTIONS ISSUED BY THE ENGINEER/TENANT. ADJUST ALL DIRECTIONAL TYPE FIXTURES (INTERIOR AND EXTERIOR) AFTER DARK UNDER THE DIRECTION OF THE ARCHITECT, ENGINEER. AND/OR TENANT. REPLACE ALL DEFECTIVE BALLASTS WITHIN THE GUARANTEE PERIOD AT NO COST TO THE TENANT. INSTALL DIMMERS WHERE INDICATED ON THE DRAWINGS.
- GG INSTALL PHOTOCELL(S) PER MANUFACTURER'S RECOMMENDATIONS AIM AWAY FROM ARTIFICIAL LIGHT SOURCES SUCH AS STREET LIGHTS OR SECURITY LIGHTS. SEAL PENETRATIONS THROUGH ROOF OR PENTHOUSE WALL. HH. INSTALL TIME SWITCHES ADJACENT TO THE SOURCE LIGHTING PANEL, UNLESS SPECIFICALLY LOCATED ELSEWHERE ON THE PLANS.
- PROVIDE "NAMEPLATES" A SPECIFIED IN SECTION 16050 FOR ALL CONTACTORS AND TIME LIGHTS, STORE SIGN, ETC.).
- PROVIDE AN INTENSITY OF NOT LESS THAN 1.0 FOOTCANDLE AT THE FLOOR LEVEL ALONG THE PROVIDE AN EXIT LIGHT AT EACH EXIT AND ALONG THE EGRESS PATH AS REQUIRED.

CONNECT EMERGENCY LIGHTS TO THE UNSWITCHED BRANCH CIRCUIT(S) IN THE AREA PROVIDE

HANDLE-LOCK DEVICE FOR THAT CIRCUIT.

OSRAM SYLVANIA OCTRON 800XP

FOUR (4) SPST CONTACT RATED 20A AT 240 VOLTS. PROVIDE LONG LIFE LITHIUM BATTERY

PRE-APPROVED EQUAL PROVIDE LIGHTING CONTACTORS THAT ADHERE TO THE FOLLOWING SPECIFICATIONS, WHERE LIGHTING CONTROL RELAYS OR CONTACTORS ARE CALLED OUT ON THE DRAWINGS:

- 2 POLE MINIMUM (REFER TO PLANS FOR REQUIRED POLES)
 INSTALLED IN NEMA 1 ENCLOSURE INDOORS, NEMA 3R ENCLOSURE OUTDOORS. COIL VOLTAGE: 24VAC. COORDINATE ACCESSORIES WITH DIVISION 15'S EMS CONTRACTOR.
- ASCO 917 SERIES SIEMENS TYPE CLM
- PARAGON CW/210 SERIES
- PROVIDE FELT OR FIBERGLASS GASKETS ON ALL INCANDESCENT LIGHTING FIXTURES WHERE FIXTURE SUPPORT. WOOD SUPPORTING MEMBERS OR WIRES WILL NOT BE ACCEPTABLE. PROVIDE
- LEAD, EXPANDABLE TYPE, ANCHORS WITH MINIMUM PENETRATION OF 11/2" WHEN ANCHORING TO CONCRETE. WHEN INSTALLING LIGHT FIXTURES IN A SEISMIC ZONE, SECURE TO MEET ALL DO NOT SUSPEND ANY CONDUIT, LIGHT FIXTURES, OR BALLASTS FROM METAL ROOF DECK OR
- SUPPORT ALL SURFACE MOUNTED FLUORESCENT FIXTURES WITH A MINIMUM OF ONE HANGER PER FIXTURE PLUS ONE PER ROW. SUPPORT INDIVIDUAL FIXTURES WITH A MINIMUM OF TWO HANGERS. ATTACH EACH HANGAR TO A DEDICATED ANCHOR. LOCATE HANGARS DIRECTLY ABOVE THE
- PROVIDE OUTLET BOXES ADJACENT TO EACH RECESSED FIXTURE OUTLET IN SUSPENDED CEILINGS AT THE TIME OF SUBSTANTIAL COMPLETION, ALL FIXTURES MUST BE INSTALLED AND LAMPED WITH
- WHERE DIMMERS ARE SHOWN GANGED WITH OTHER DIMMERS AND/OR OTHER DEVICES, SIZE OUTLET SUCH THAT DIMMERS WILL NOT BE UNDERATED.
- SET LONGITUDE AND LATITUDE SETTINGS AND THE ASTRONOMICAL TIME. PROVIDE TIME SETTINGS PER THE TENANT'S DIRECTION. SWITCHES. LABEL CONTACTORS AND TIME SWITCHES TO INDICATE LOAD SERVED (E.G., CANOPY
- 35 EMERGENCY LIGHTING
 PROVIDE AUTOMATIC BATTERY POWERED LIGHTING UNITS AS INDICATED ON THE DRAWINGS. PROVIDE EMERGENCY LIGHTING AS SHOWN ON THE PLANS TO ILLUMINATE THE EGRESS CORRIDORS AND OTHER REQUIRED AREAS. REFER TO THE LIGHT FIXTURE SCHEDULE ON THE DRAWINGS FOR

ALL LOW VOLTAGE WIRING FOR POS, DATA AND TELEPHONE SHALL BE RUN IN

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AÉROPOSTALE

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BROOKLYN, NY



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ELECTRICAL

SHEET NUMBER