

KIOSK DESIGN CRITERIA



(INDOOR KIOSKS ONLY)



WELCOME!

Kiosk/Floating Retail

The kiosk/floating retail shop will afford your business and product unparalleled exposure and long term real estate within our centers.

The kiosk gives you the ability to have front and center interaction with the shopper from multiple viewpoints.

The kiosk design is entirely customized to fit your business, product and merchandising strategy to maximize sales and company success.

Our specialized Macerich kiosk design team provides you a level of service that extends beyond the local level so that your individual, as well as national needs are answered and expectations exceeded.



Addendum Log

December 2018

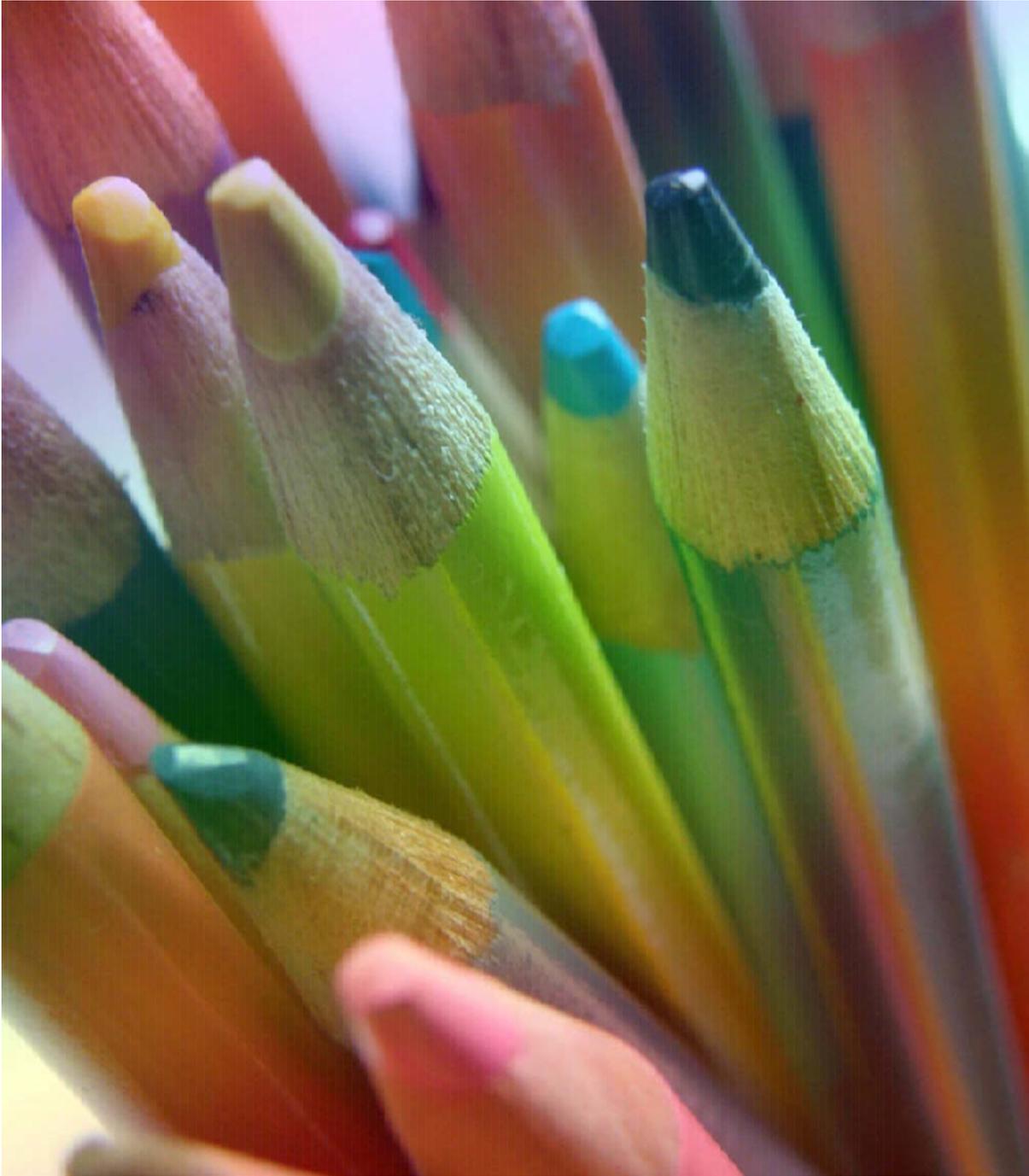
Manual updated

January 2019

Drawings added/addendum log generated

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Macerich strives to differentiate its shopping environment through fresh, innovative design and unique retail offerings. We transform everyday shopping into a truly unexpected and exhilarating experience.

Innovative design has proven to stimulate customer interest which in turn drives sales. For Macerich and kiosk tenants to achieve this goal, we ask our tenants to fabricate a high quality, experiential retail design that is cohesive and complimentary to the overall shopping center environment.

The following guidelines highlight the required design details and inspirational vision for kiosk retail tenants.

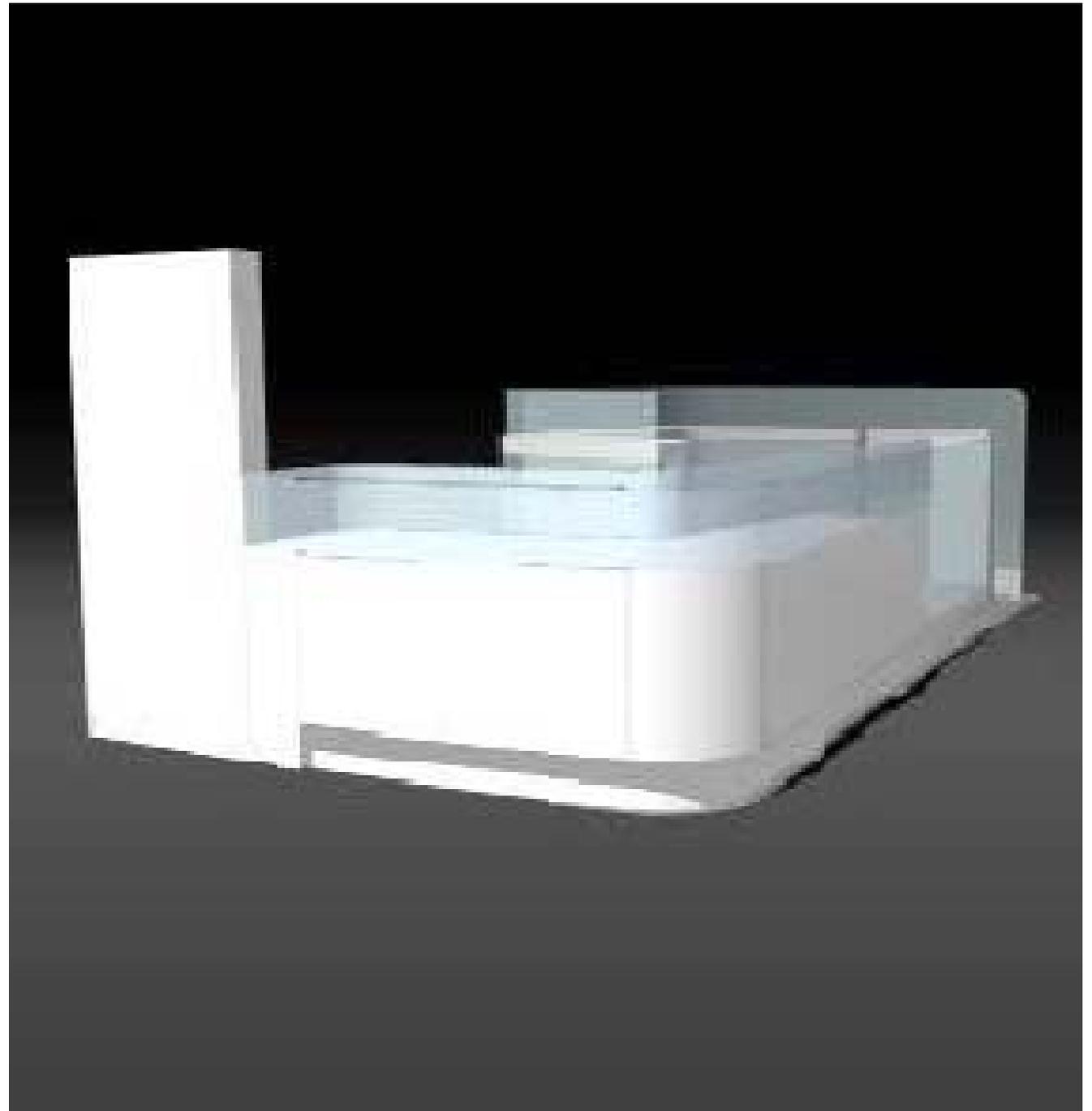
D E S I G N S T R A T E G Y

KIOSK/ FLOATING RETAIL

D R Y

PLAN YOUR FLOW

DRY KIOSKS ARE FOR PRODUCTS THAT CAN
BE SOLD WITHOUT THE USE OF A KITCHEN





PLAN YOUR FLOW

There are multiple solutions to layouts. We encourage an open layout, for the following reasons:

- Increased SKUs. your unit can be shopped from inside and outside.
- encourages interactive shopping.
- Lets the customer assess before engaging (transition time).
- makes for a sculptural design which in turn draws attention to your product.



INCREASED SKUS



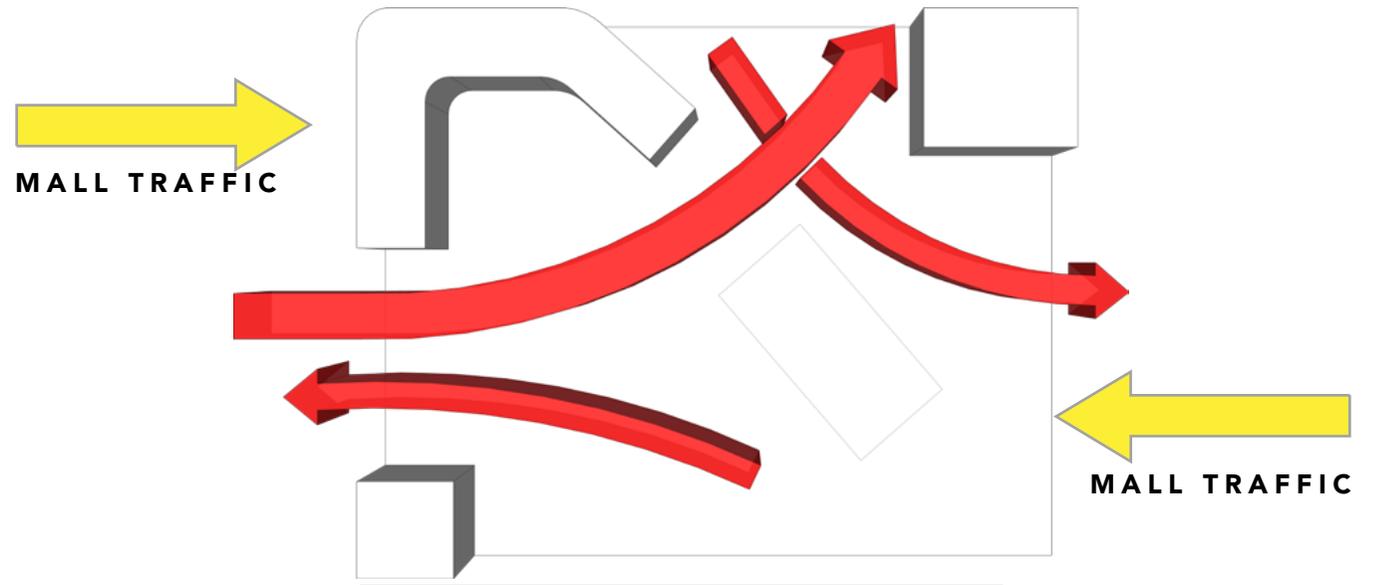
INTERACTIVE SHOPPING



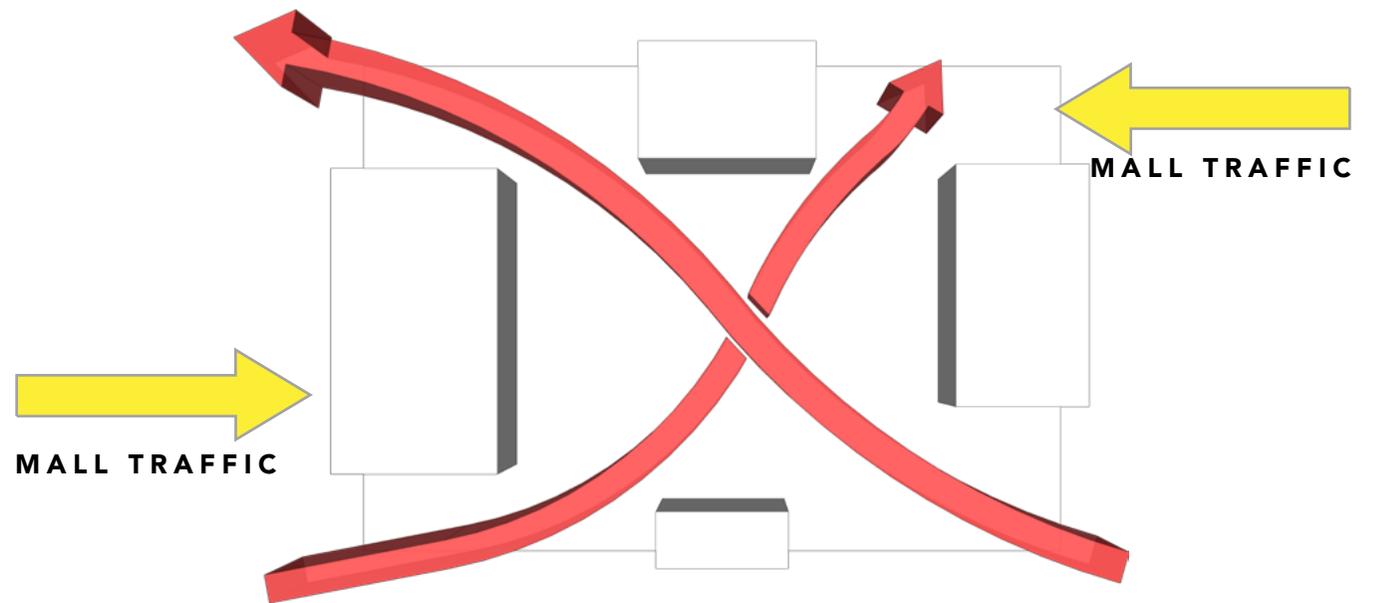
SCULPTURAL DESIGN

PLAN YOUR FLOW

There are multiple solutions to layouts. Illustrated are a couple of examples of layouts and customer traffic flow within the layouts.



Take the flow of mall traffic into consideration





KIOSK/ FLOATING RETAIL

W E T

TAKE A SEAT AND RELAX

Wet Kiosks are units that sell food and refreshment

Macerich's vision is to create food uses as "dwell" areas or destinations for the core malls.



TAKE A SEAT AND RELAX

We encourage curves and angles to differentiate public spaces versus back of house areas for the following reasons:

- it encourages areas for seating and dwelling.
- it creates transitional areas for shopping versus resting.
- it makes for a sculptural design which in turn draws attention to your business.
- curves, plants, soft lines create an inviting and relaxing atmosphere to encourage dwell time.





As you determine the layout of your kiosk, consider your customer's traffic flow and queuing.



**KIOSK/
FLOATING RETAIL**

- As you lay out the plan, make accommodations for customer flow and queuing.
- Conceal equipment with translucent panels to maintain clean sight lines.

DEDICATED KIOSK SEATING



FOOD AND COFFEE



MENU BOARD APPLICATIONS



Menu board applications should be seamless and flow naturally into overall design.



KIOSK/ FLOATING RETAIL

INSPIRATIONS

GET INSPIRED

INSPIRATIONS TO HELP YOU
VISUALIZE WHAT KIND OF
SIGNS WE CAN PRODUCE

URBAN

ARTISAN

WHIMSICAL

INVITING

ARTSY

THEATRICAL

URBAN





GET INSPIRED

INSPIRATIONS TO HELP YOU VISUALIZE
WHAT KIND OF DESIGNS WE CAN PRODUCE

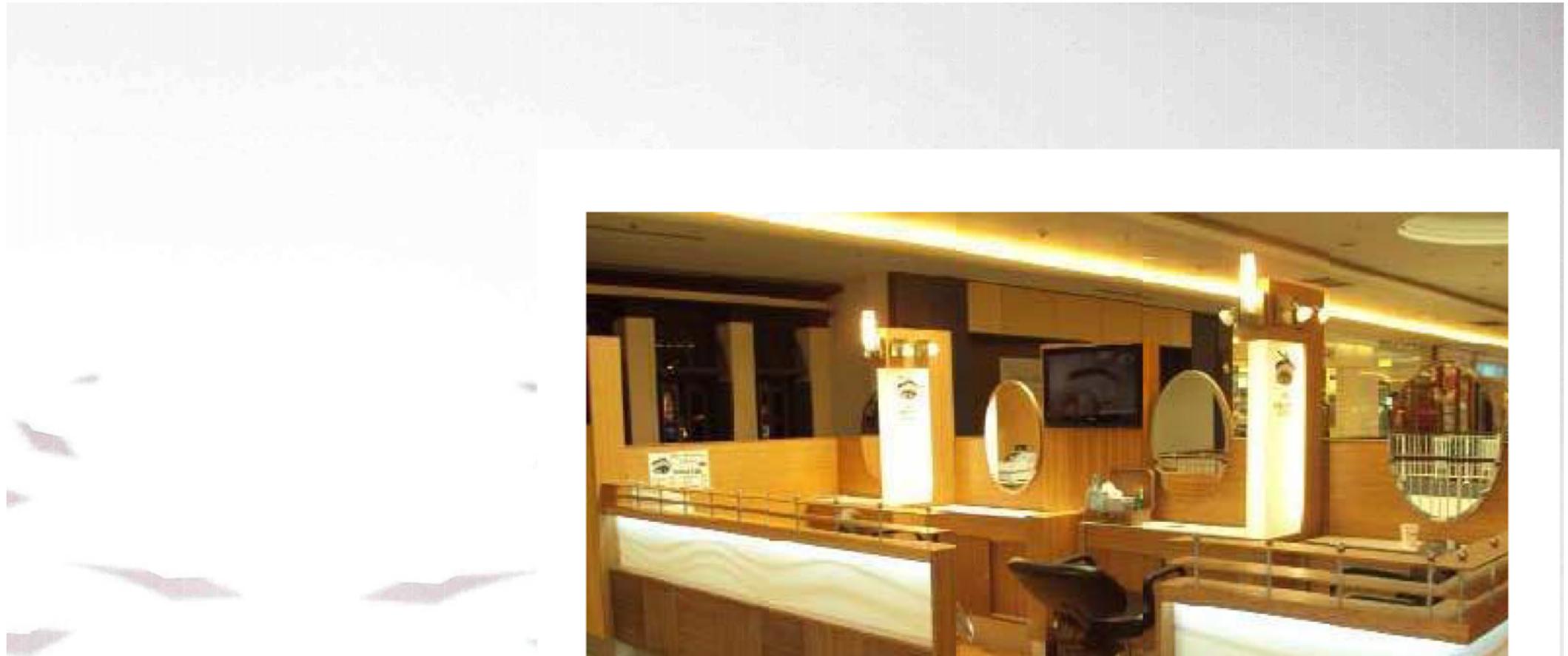




KIOSK / FLOATING RETAIL WET







G E T I N S P I R E D

INSPIRATIONS TO HELP YOU VISUALIZE
WHAT KIND OF DESIGNS WE CAN PRODUCE



KIOSK / FLOATING RETAIL DRY



KIOSK / FLOATING RETAIL : WET

ARTISTEN

WHIMSICAL





G E T I N S P I R E D

INSPIRATIONS TO HELP YOU VISUALIZE
WHAT KIND OF DESIGNS WE CAN PRODUCE



KIOSK/FLOATING RETAIL: DRY



KIOSK / FLOATING RETAIL WET

WHIMSICAL

INVITING





G E T I N S P I R E D

INSPIRATIONS TO HELP YOU VISUALIZE
WHAT KIND OF DESIGNS WE CAN PRODUCE



KIOSK / FLOATING RETAIL DRY



KIOSK / FLOATING RETAIL WET

INVITING



ARTSY



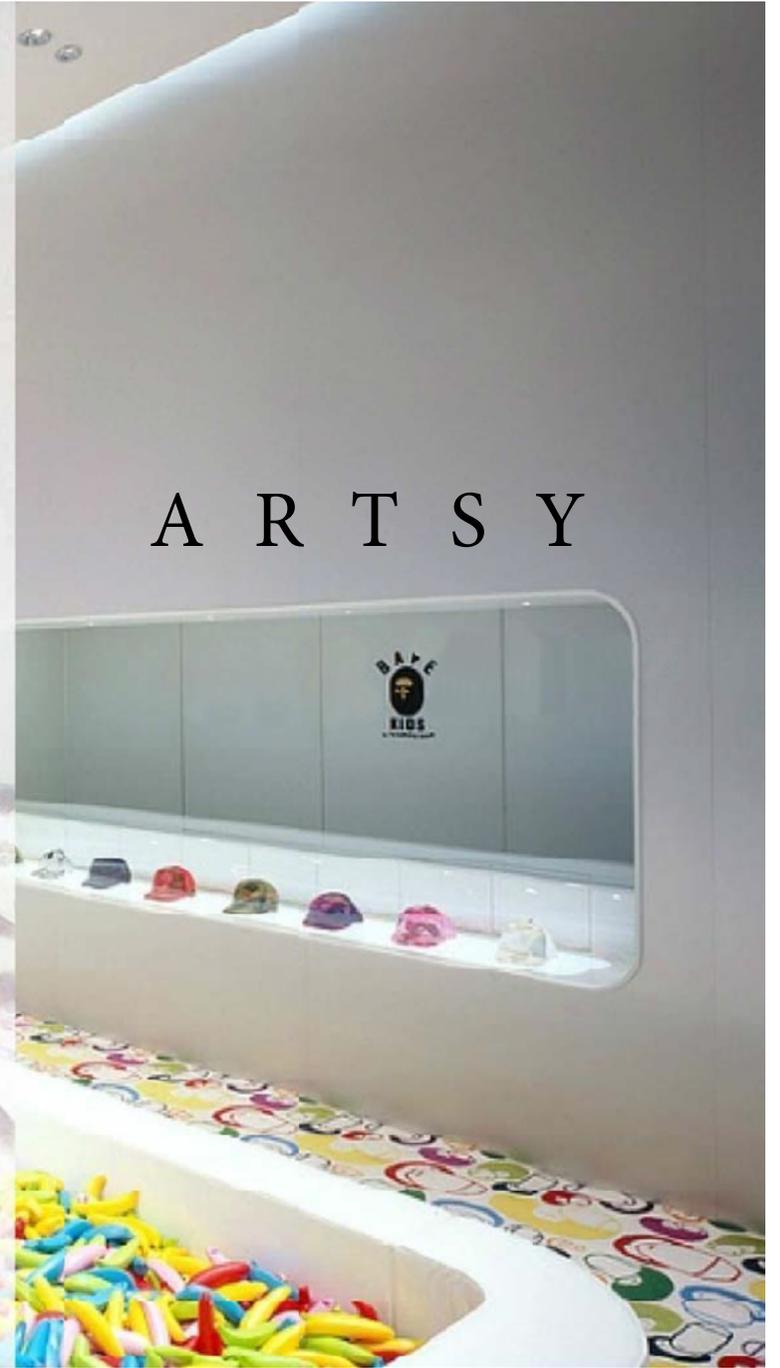
GET INSPIRED
INSPIRATIONS TO HELP YOU VISUALIZE
WHAT KIND OF DESIGNS WE CAN PRODUCE



KIOSK/FLOATING RETAIL: DRY

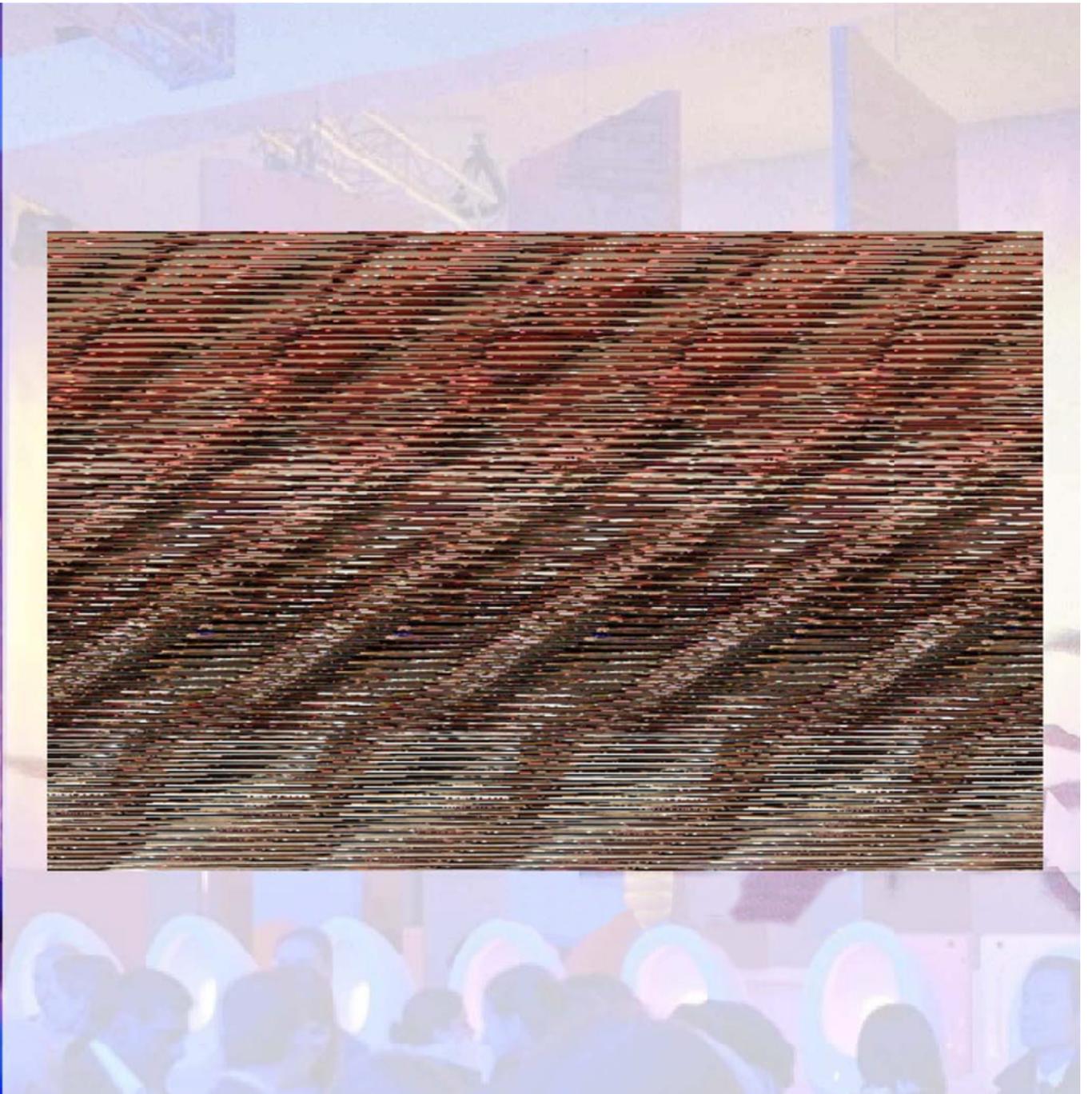


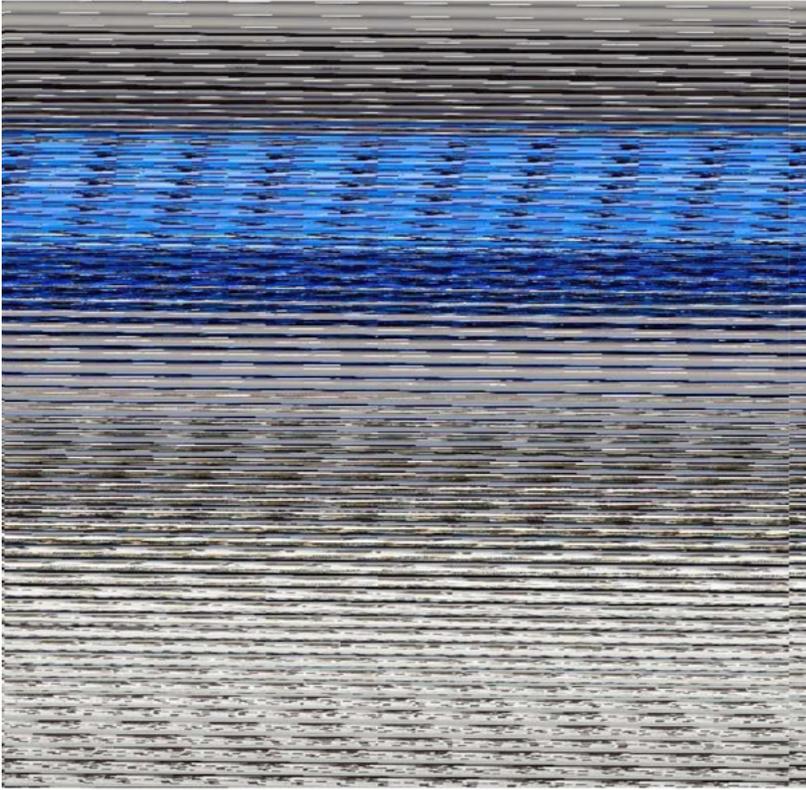
A R T S Y



KIOSK / FLOATING RETAIL DRY







GET INSPIRED

INSPIRATIONS TO HELP YOU VISUALIZE
WHAT KIND OF DESIGNS WE CAN PRODUCE

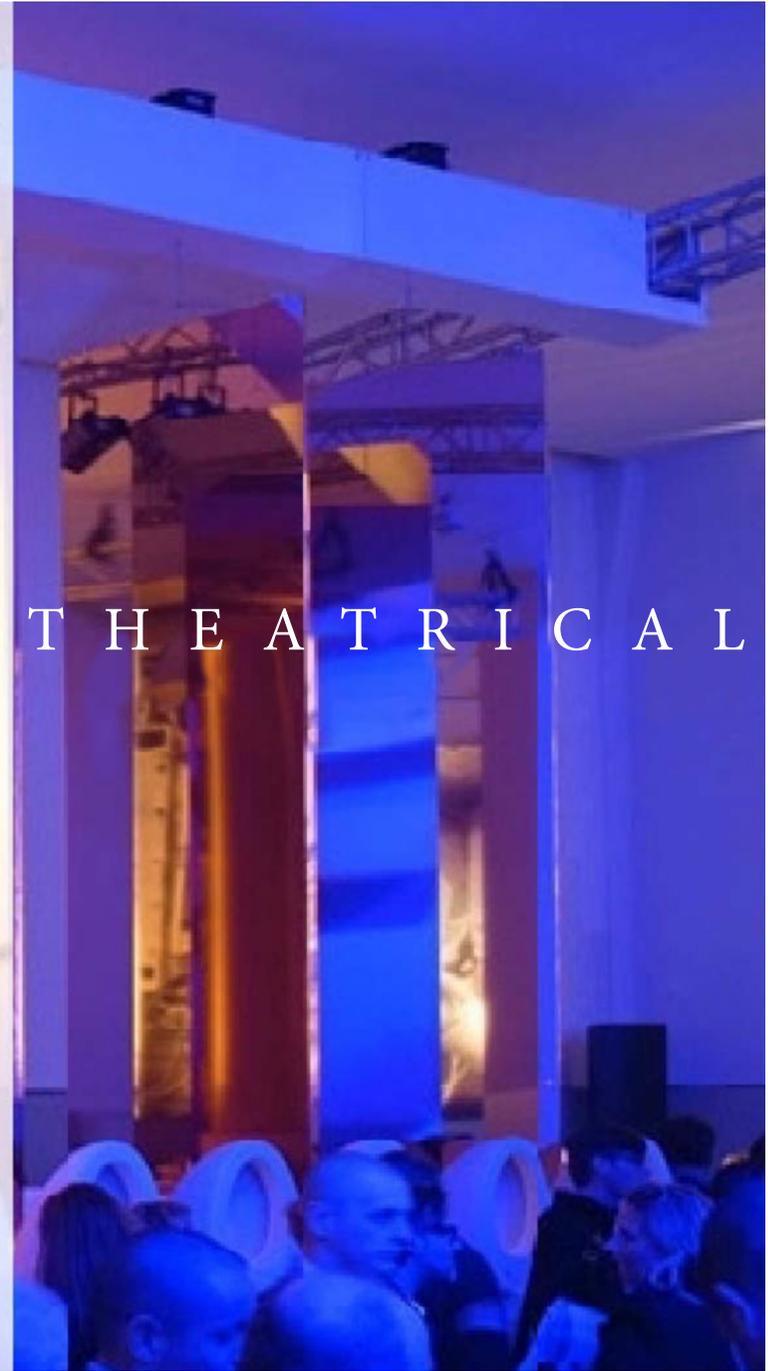


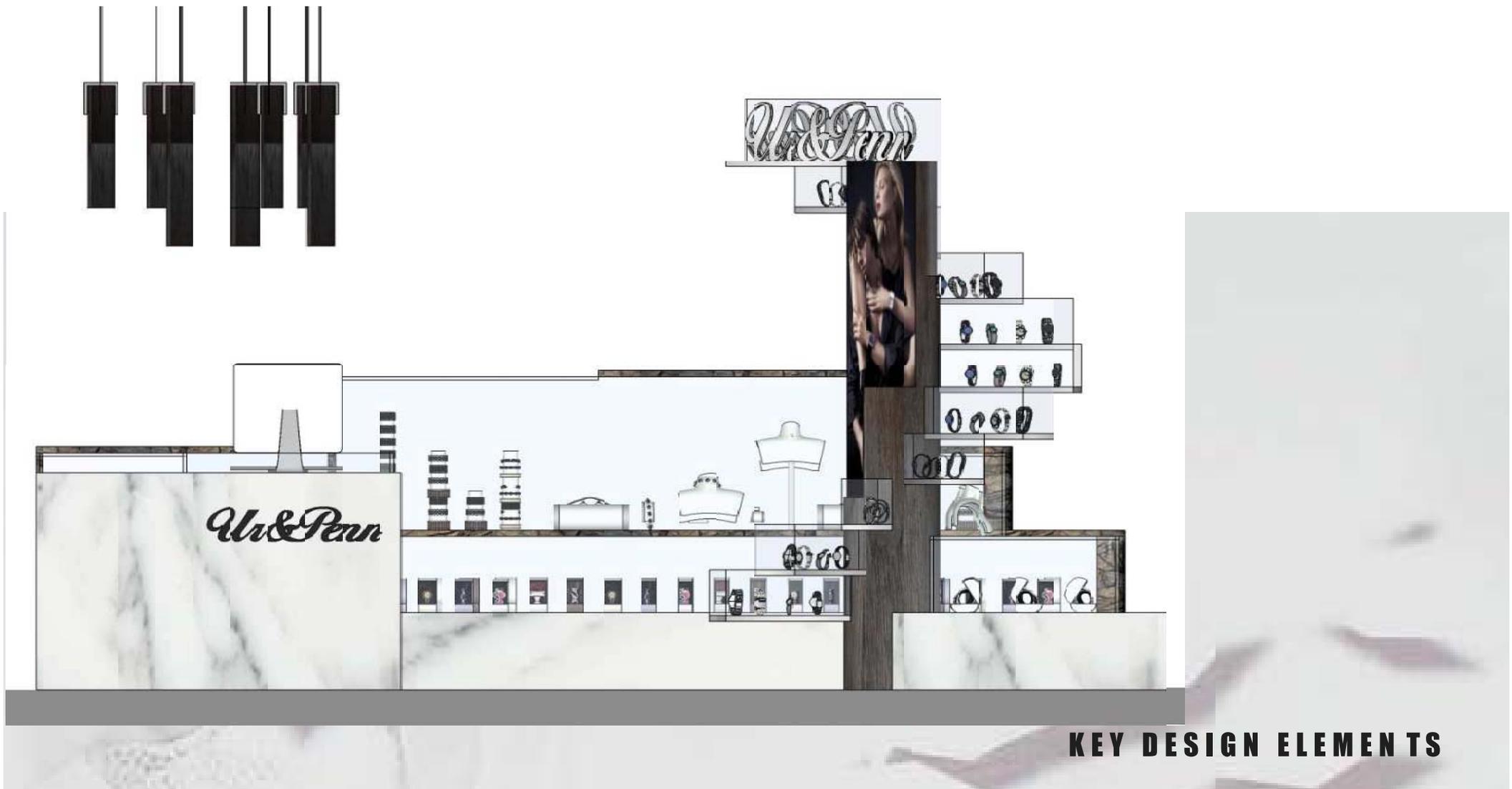
KIOSK / FLOATING RETAIL DRY



KIOSK / FLOATING RETAIL WET

T H E A T R I C A L

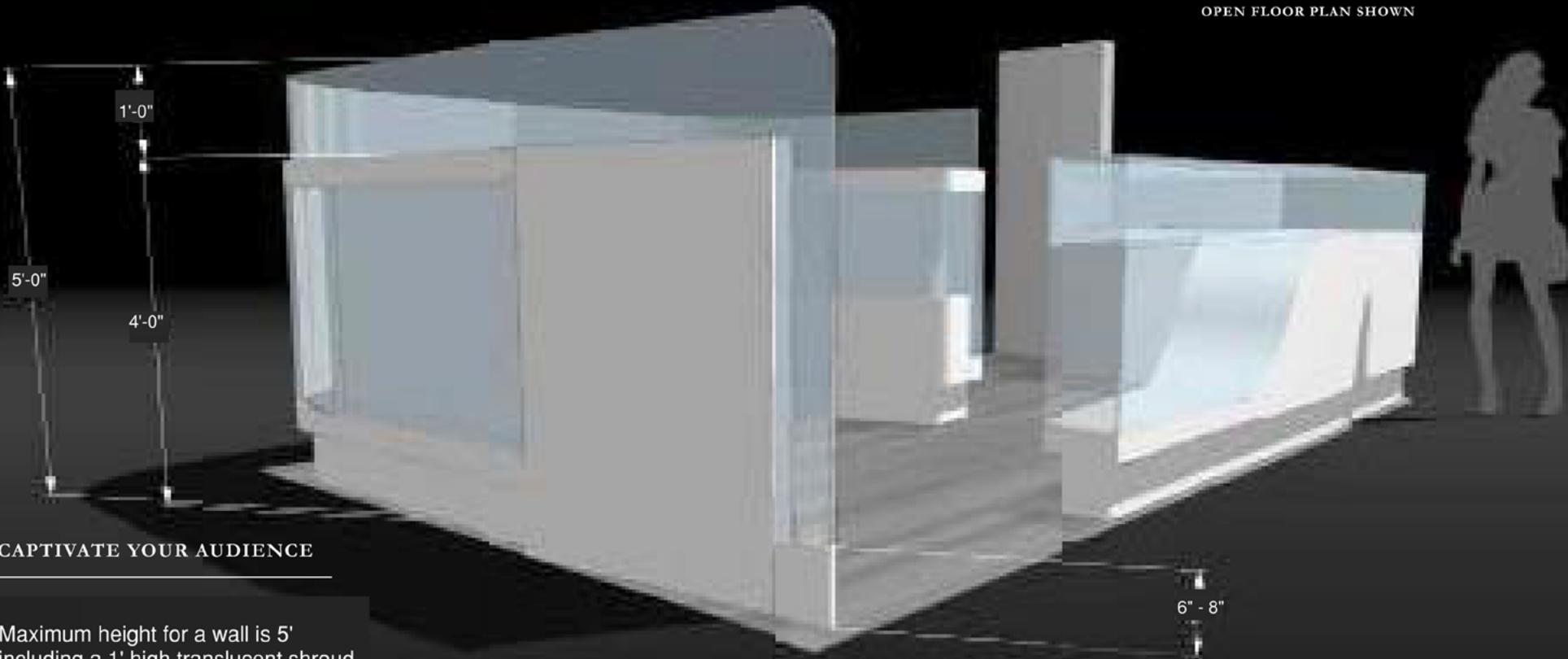




KEY DESIGN ELEMENTS

LAYERING IN ELEVATIONS

OPEN FLOOR PLAN SHOWN



CAPTIVATE YOUR AUDIENCE

Maximum height for a wall is 5' including a 1' high translucent shroud element on top.
Solid surface may be used to a 4' height maximum.
A 6"-8" toe kick is required.



LAYERING IN ELEVATIONS

How can you make a wall / elevation into a canvas for communication to the customer as they walk towards or by your kiosk?

- by incorporating patterns and textures.
- by overlay of materials to create dimensionality.
- by molding shapes to create softness.
- by overlapping to create shadows and depth.



WHAT IS A PYLON?

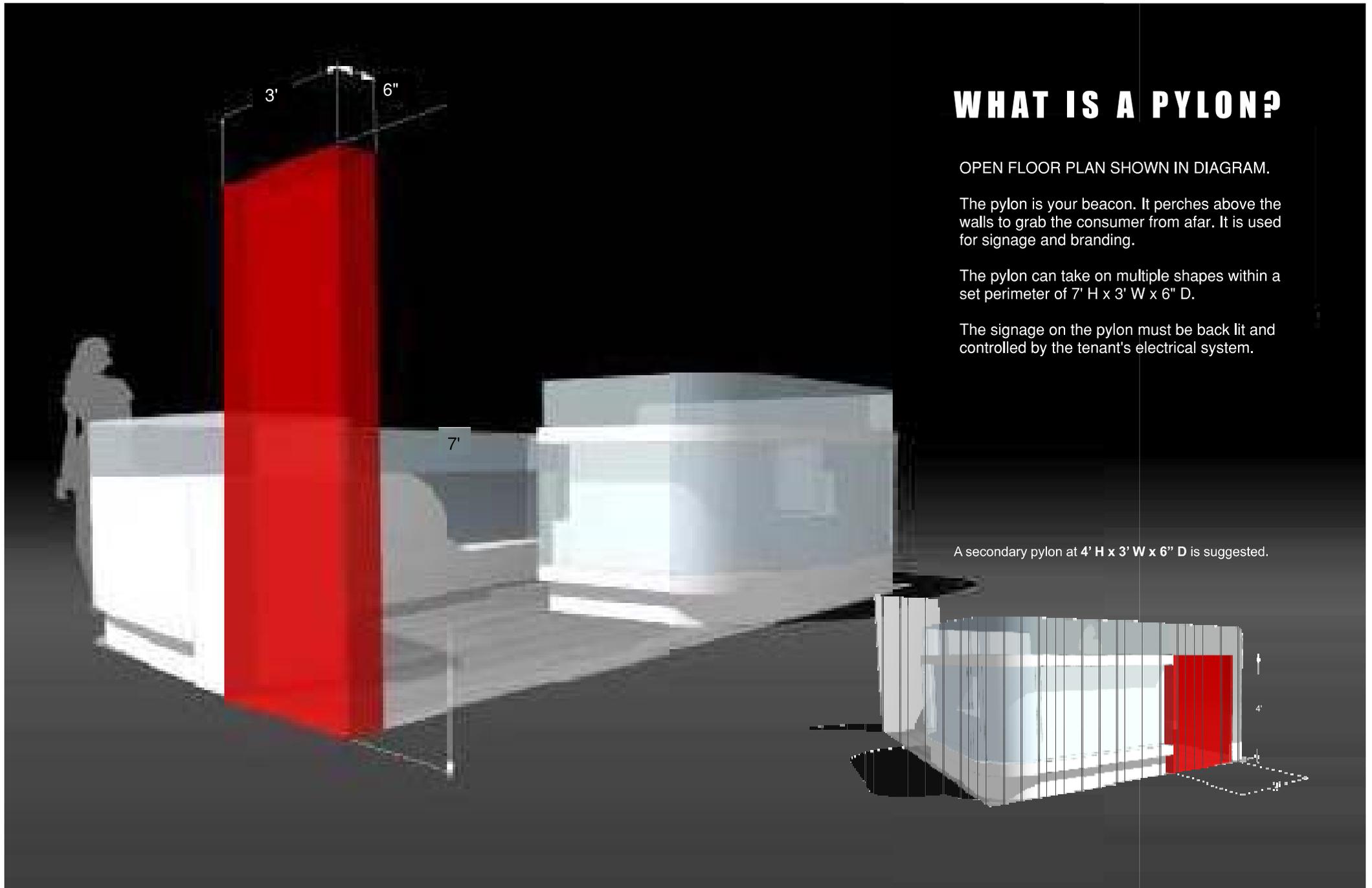
OPEN FLOOR PLAN SHOWN IN DIAGRAM.

The pylon is your beacon. It perches above the walls to grab the consumer from afar. It is used for signage and branding.

The pylon can take on multiple shapes within a set perimeter of 7' H x 3' W x 6" D.

The signage on the pylon must be back lit and controlled by the tenant's electrical system.

A secondary pylon at 4' H x 3' W x 6" D is suggested.





STAND OUT FROM THE CROWD

If there is a column within your lease space, it offers a unique opportunity for added signage, branding and accent lighting.



PYLONS

STAND OUT FROM THE CROWD

We encourage a pylon shape that enhances your brand experience and communicates what you are offering.

The design must be integrated and cohesive with the retail design.

No freestanding neon or face lit signs are permitted.

The Landlord must approve all tenant signage in writing prior to installation.

BRANDING

BE THE WHOLE PACKAGE

A brand is a name, term, design, symbol, color or any other feature that identifies a seller's goods or services as distinct from those of other sellers. Whether you have a developed brand or you are just starting your first business, the kiosk team will work closely with you to enhance your brand and image to not only fit with the Macerich experience, but to stand out. Each center is unique with it's own set of criteria based on many factors such as demographics, location, look and feel, etc. This is why the integration of your brand is critical to your success.

Signage, graphics, materials, shapes, colors, textures, patterns and the overall look and feel of your kiosk, are all tools you can use to communicate your brand in a way that tells the customer your story and creates a lasting experience to your customer.

Environmental as well as back lit graphics are encouraged. No tag lines are permitted.



Graphics must be mounted behind frameless glass or acrylic. An option is to mount the graphic behind glass/acrylic on stand offs.



TECHNOLOGY / MEDIA



Technology can enhance your on line operation by transforming your kiosk space into a multi functional one that lends itself to being a pick up location, payment booth, billboard, etc.



S P E C I A L F X

- Technology can become an extension of you.
- Technology can serve multiple functions.
- Technology can supplement the sales force with interactive screens for ordering, design yourself items, etc.
- Technology keeps you and your business connected with your customer.

TECHNOLOGY / MEDIA



SPECIAL FX

LCD screens help you tell a story.

Technology can help make menu boards easier to update and better communicate your offerings to your customer via LCD screens loops.



LCD screens must be built in and flush mounted. All cables must be concealed. No third party advertising is allowed. All media must be approved by landlord prior to installation.





M A T E R I A L S A N D F I N I S H E S

Materials and finishes should be durable to holdup against foot traffic and cleaning machinery.

Recommended materials must be applied to a minimum of the exterior surfaces.

A material sample board must be submitted for Landlord approval before fabrication can begin.

Building materials must be fire retardant, fire treated or non-flammable. Class A materials per building codes must be used.

Materials and finishes must be durable to hold up against foot traffic and cleaning equipment.

Building materials must be fire treated or non - flammable, class A fire retardent materials per building code.

Selected materials must be authentic and natural such as woods, stones, reclaimed woods, mosaic tiles, etc.

Plastic laminates are not permitted with the exception of colorcore or wood pattern high performance plastic laminates.

MATERIAL SOURCE OPTIONS



FABRICS

www.carnegiefabrics.com
www.themomgroup.com
www.maharam.com



PLASTIC SOLID

www.formica.com



VINYL/WALL COVERINGS

www.wolf-gordon.com



METALS

www.mozdesigns.com
www.chemetal.com



DIMENSIONAL PATTERNED SHEETS

www.interlam-design.com



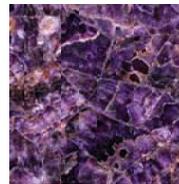
ACRYLICS AND RESINS

www.3form.com
www.chemcastltd.com
www.acrylite-shop.com



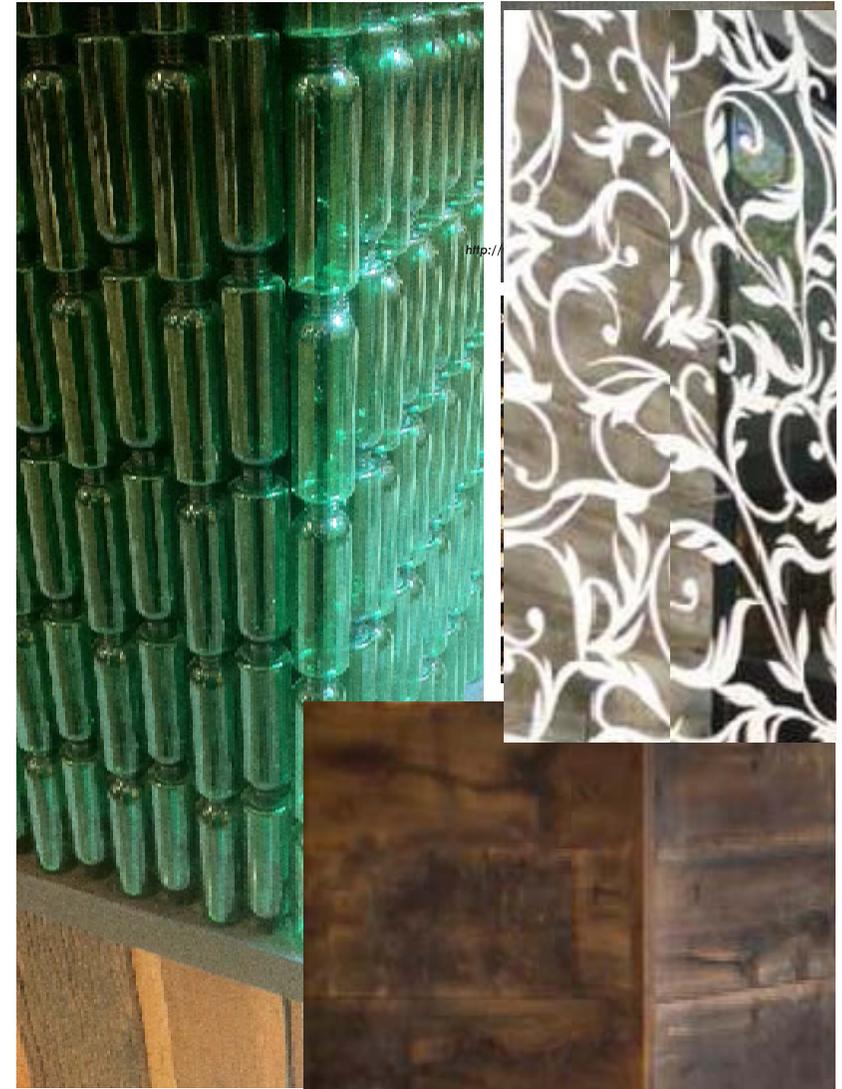
PORCELAIN / GLASS / MOSAIC TILES

www.porcelanosa.com
www.dalile.com



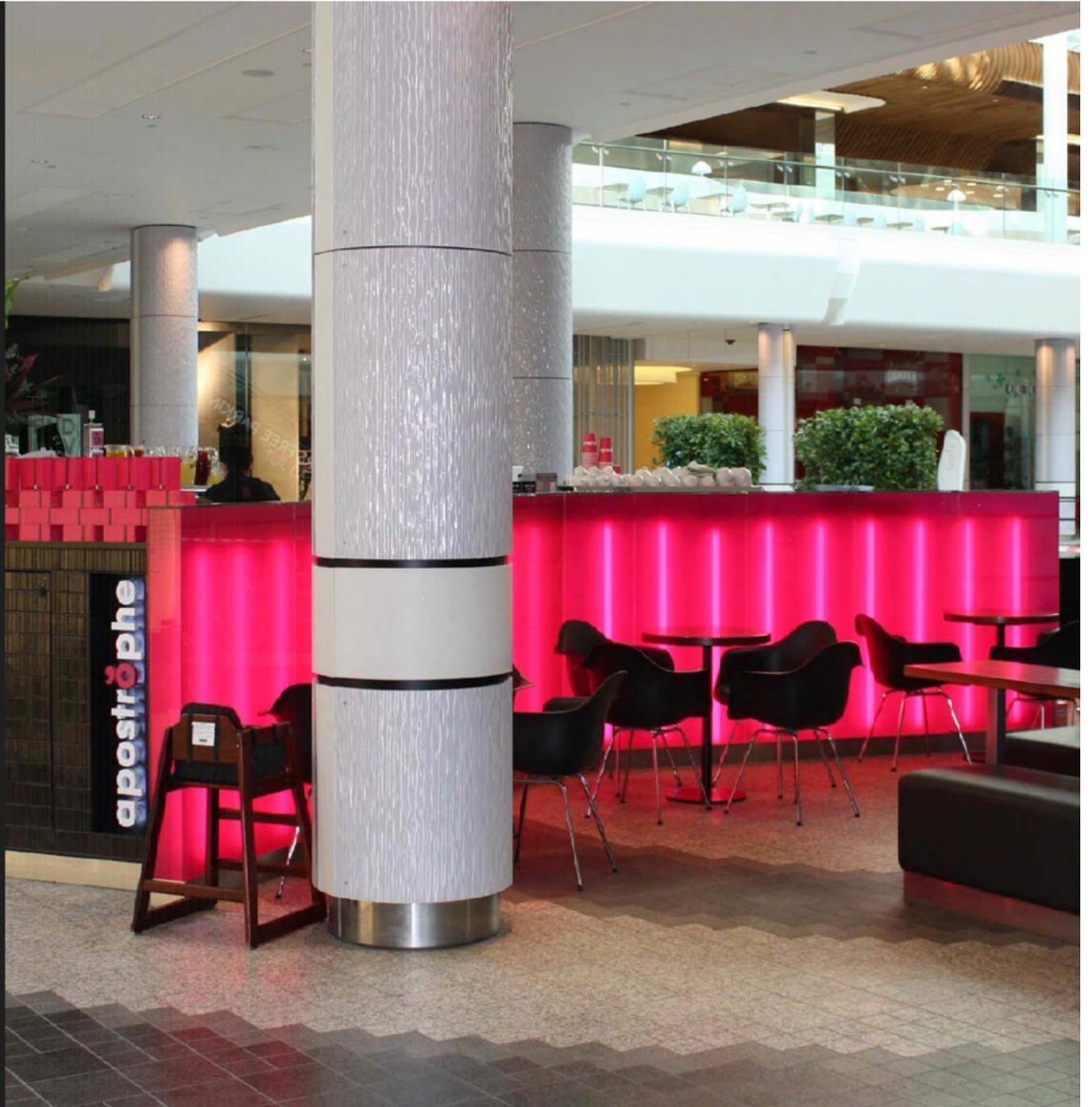
SOLID SURFACES

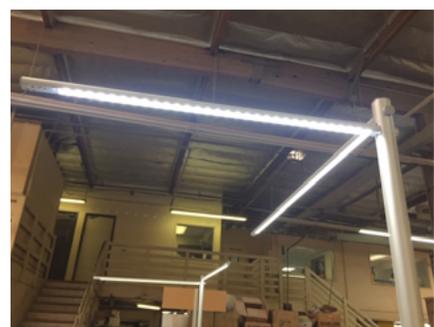
www.duponts.com/surfaces
www.caesarstone.com
www.himacs.com
www.staron.com



Listed vendors are suggestions only.

ILLUMINATION
AND
LIGHTING





Light Bar example

T I M E T O S H I N E

- Light fixtures must be low profile and approved by Macerich.
- Case lighting must be seamlessly integrated into the design.
- Ensure that the light source is concealed.
- If your kiosk is located under the ceiling, additional lighting elements may be considered.
- No track lighting or cable hung fixtures are allowed.
- No overhead canopies are allowed.

All lighting must meet applicable building codes and safety requirements and will require Landlord approval prior to installation.



Fig. 1



A C C E S S G A T E

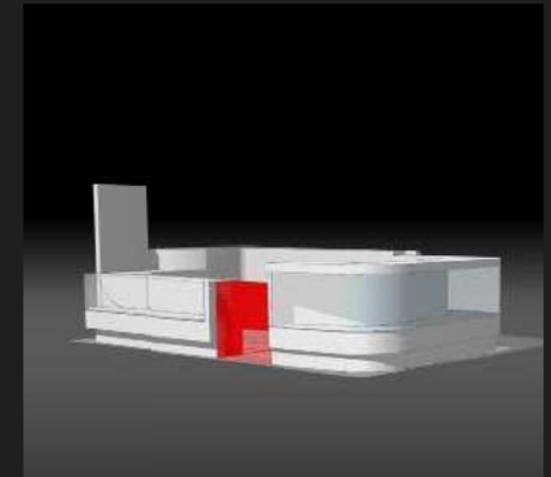
I N - N - O U T

A gate to enter a kiosk is a necessity.

However it is not necessary for the customer to know where the gate is.

The gate must be seamlessly integrated into the design to avoid being an eyesore.

The gate should be no more than 1" maximum above the finished floor.

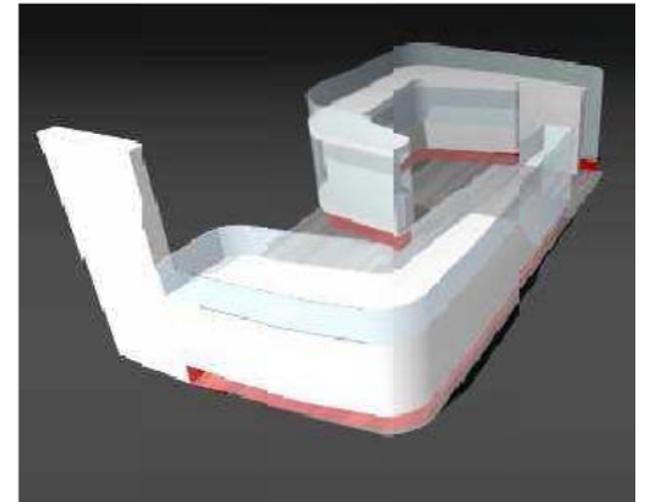
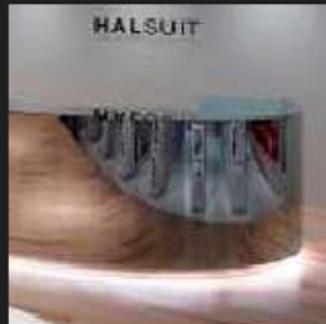


T O E K I C K

The toe kick has an important function.

It minimizes damage to materials above the kick as it takes the wear from foot traffic and cleaning machinery.

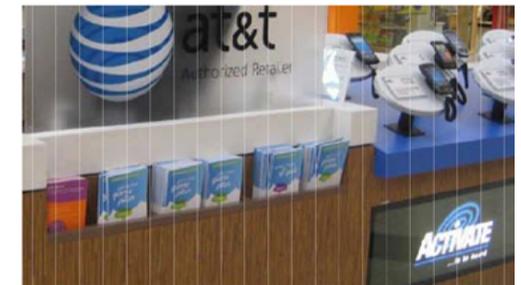
The toe kick must therefore be of a durable material.





S T O R A G E

- All interior storage must have doors or fixed fronts within the retail space.
- All cabinet hardware must be low profile, commercial grade stainless steel.
- Integrate all counter top displays into the design. No freestanding loose spinners or displays are permitted.
- No handwritten signs are allowed.
- Landlord must approve all tenant signage in writing prior to installation.
- Storage within a kiosk space is a necessity.
- All front counter service equipment must be shrouded to conceal cables or loose items from public view.



Bins and brochure holders must be integrated into the overall design.



Low profile hardware for cabinets and drawers are required.

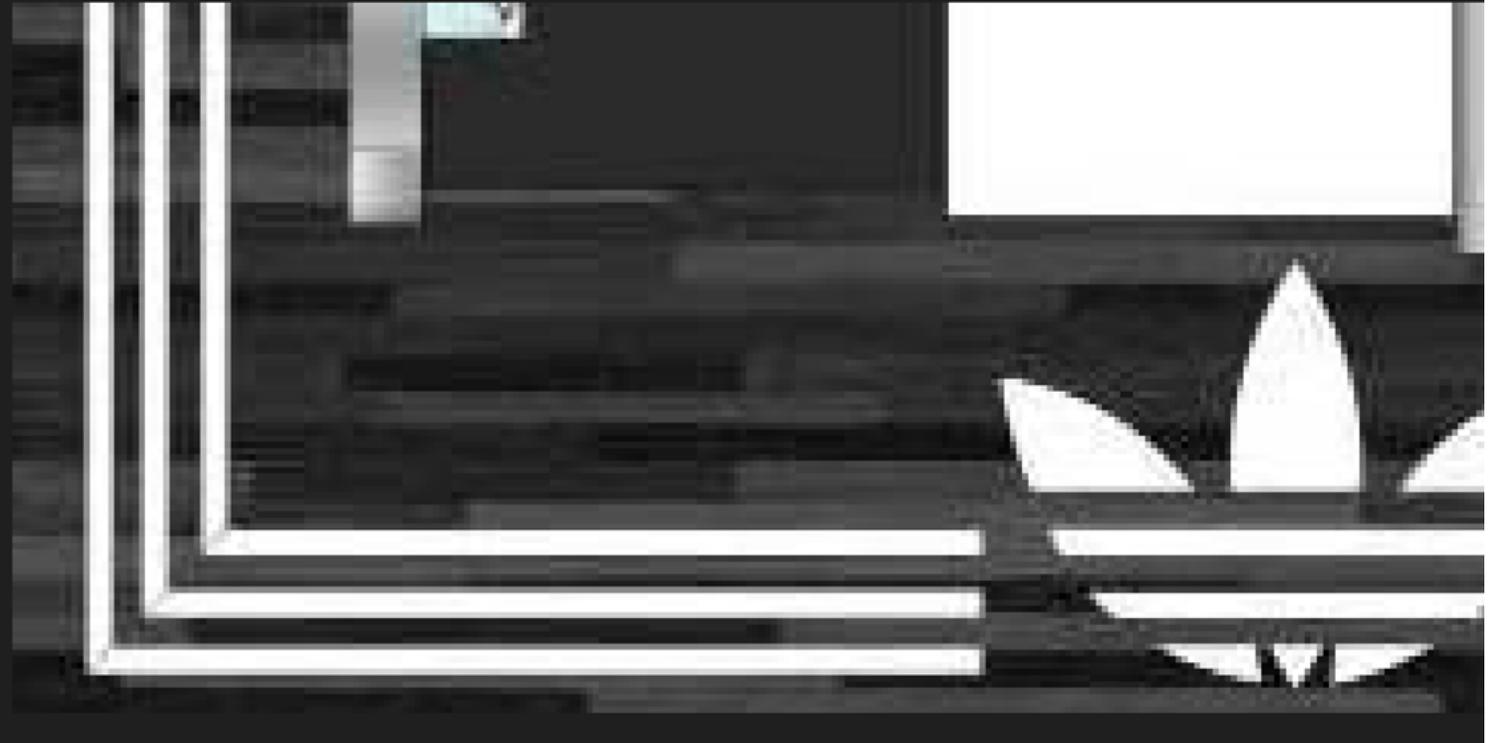
FLOORING

Flooring is important in an open layout for the following reasons:

- It is inviting and welcoming
- It defines your footprint
- Conduits can be run between cabinetry beneath the floor.
- Encouraged material is wood-like plank for a warm look and feel.
- All flooring must be approved by Landlord prior to installation.



It is a code requirement to comply with the ADA. (1"=12" TRANSITIONAL SLOPE).

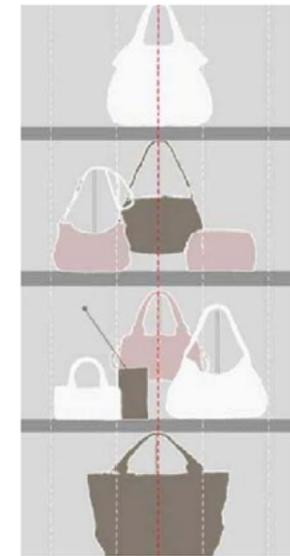


www.karndean.com

VISUAL MERCHANDISING

SET YOUR STAGE, SELL A STORY

Start with a center feature, (best sellers / hot items), and merchandise out symmetrically.



Strong visual presentation and merchandising are essential and integral components of retail design.

Always try to create triangular composition within style groups or color groups. (display in groups of three or five).

Start with a center feature, (best sellers / hot items), and merchandise out symmetrically.

Balance merchandise asymmetrically or symmetrically.



F O O D

D I S P L A Y

FEAST FOR YOUR EYES

Visible food preparation is an added value resulting in excitement and interaction for the customer.

NO ODOR PRODUCING EQUIPMENT SHALL BE USED WITHIN THE KIOSK. TENANT MUST ENCLOSE ALL ODOR WITHIN THEIR PREMISES.



FIG. 2

FOOD PRESENTATION

Present freshly made options from the menu. This will entice the eyes and provide an instant way to purchase an item.

Display the fresh goods in an appetizing manner, behind clean and clear glass.

LABELS / SIGNS

Label all the items that are displayed. Utilize signage that accents the design of the kiosk.

Signage should be printed professionally on card stock and proper display methods.

FEAST FOR YOUR EYES

Display the goods in an appetizing manner.

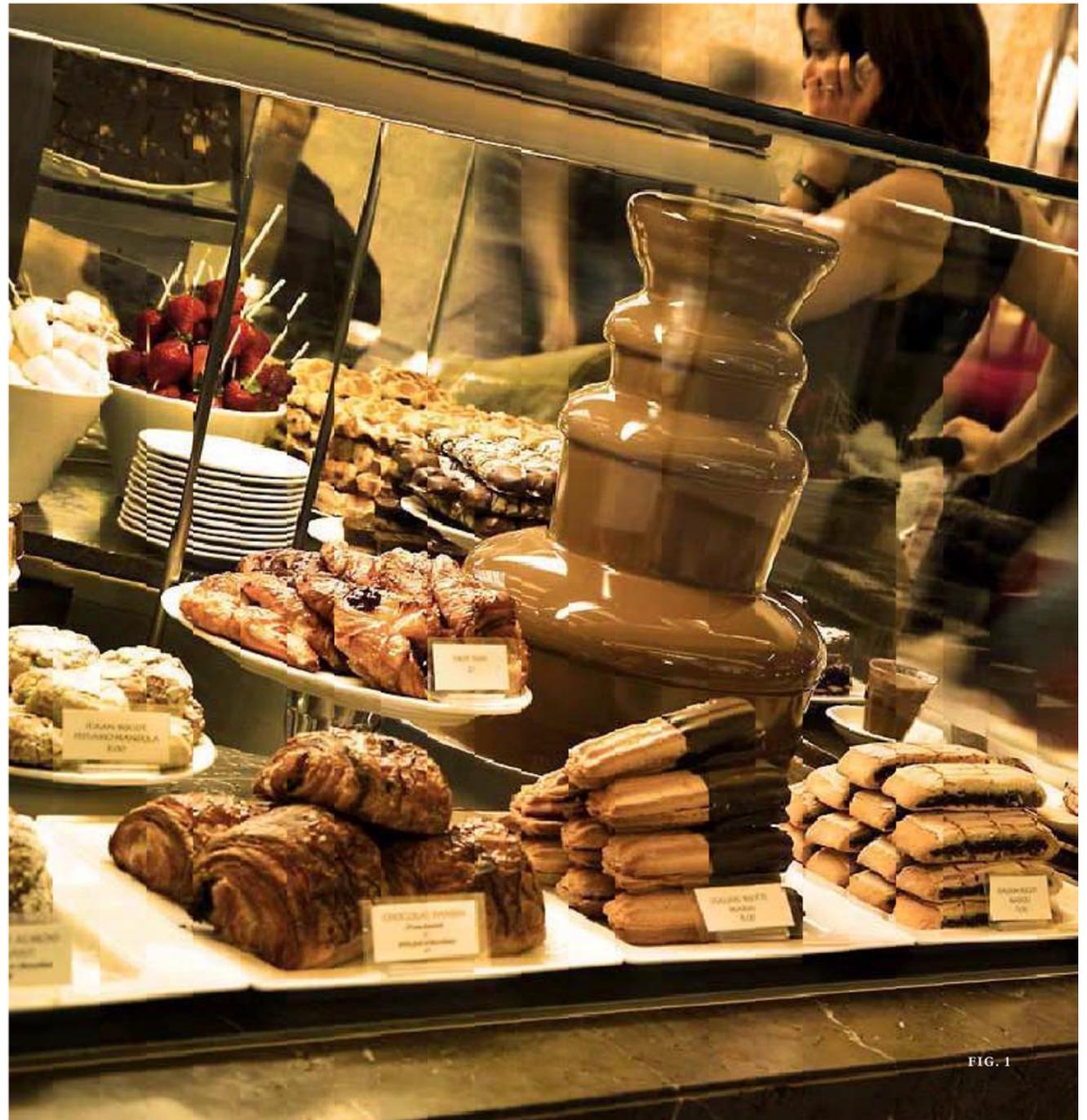


FIG. 1



FIG. 1

FEAST FOR YOUR EYES

Check local building codes
for compliance requirements.

codes/permits

Obstructive overhead canopies are not permitted.

An alternative solution to an overhead canopy should be used if one is required by the Health Department. (see image above for approved HD overhead).

Check local building codes for requirements on plumbing venting inside a wall or if it occurs on the exterior wall.

Solid walls may go to 4'-0" high. (check with local building codes for structural requirements).

Coordinated with the mall operations manager regarding electrical and plumbing coordination.

Check local codes for ADA compliance.

PROCESS

HOW TO SUBMIT:

All drawings shall be submitted electronically to www.tcsantamonica@macerich.com, www.tcrochester@macerich.com or www.tcphoenix@macerich.com. A welcome letter with password access will be sent to the tenant contact as listed in the lease documentation. If you have trouble gaining access to the website, contact one of the Macerich tenant coordination team.

The tenant is responsible for proper engineering, safety, design and compliance with all applicable governing codes and regulations of the kiosk. The Landlord's approval of the tenant's drawings do not imply and or infer compliance with these requirements. The Landlord's review and approval is only to ensure compliance with the Landlord's criteria manual.

This approval does not relieve the tenant of responsibility for:

- Compliance with lease documents.
- Field verification of dimensions and existing conditions.
- Discrepancies between final drawings and as - built conditions of the tenant's space.
- Coordination with other trades and job conditions and compliance with any and all governing codes and regulations applicable to the tenant's work.

WHAT TO SUBMIT:

All drawing submittals must be prepared by an architect or engineer registered with the local jurisdiction.

It is the tenant's sole responsibility to comply with all laws, codes and regulations as may apply.

- Drawing sheet format: 24" x 36".
- Submitted document format: a single adobe PDF containing all sheets in order.

Drawings must be submitted to Macerich for approval in the following two phases:

PRELIMINARY SUBMITTAL:

A design intent package with a minimum of:

- a color rendering of the kiosk.
- a material sample board, (8 1/2" x 11" minimum), clearly noting the kiosk name and mall.
- a floor plan
- sections and elevations of the kiosk.
- concept inspirational images.
- photos of existing kiosk / concept, (if available).

Approval of the preliminary drawings does not imply approval to begin construction.

FINAL SUBMITTAL:

A 100% submittal set - full construction set including:

- a cover sheet including a vicinity map, location plan, (LOD), all code compliance notes required by the city.
- a floor plan fully detailed and scaled, showing all components, counters, cash wraps, islands, condiment area layout, partitions etc.
- all finishes and fixtures with complete schedules and keyed to plans / elevations.
- details and sections through each side as well as the pylon, the counter edge, millwork, toe kick, raised flooring, wall caps, special conditions, etc.
- all interior and exterior elevations with sign locations and dimensions.
- anything necessary to describe structures or design features not depicted or easily understood.
- electrical drawings including a plan layout,
- plumbing drawings, (if applicable).
- equipment schedule.
- sign shop drawings, with plan, elevations, sections, materials and details).

The Landlord shall notify tenant's architect of the corrections required, if any. The architect must conform to the approved preliminary drawings, construction requirements, this tenant criteria manual and other items as may be deemed relevant to Macerich's tenant coordinator. The Landlord shall return one complete set or the revised final approved working drawing set which shall be referred to as the "final working drawings".

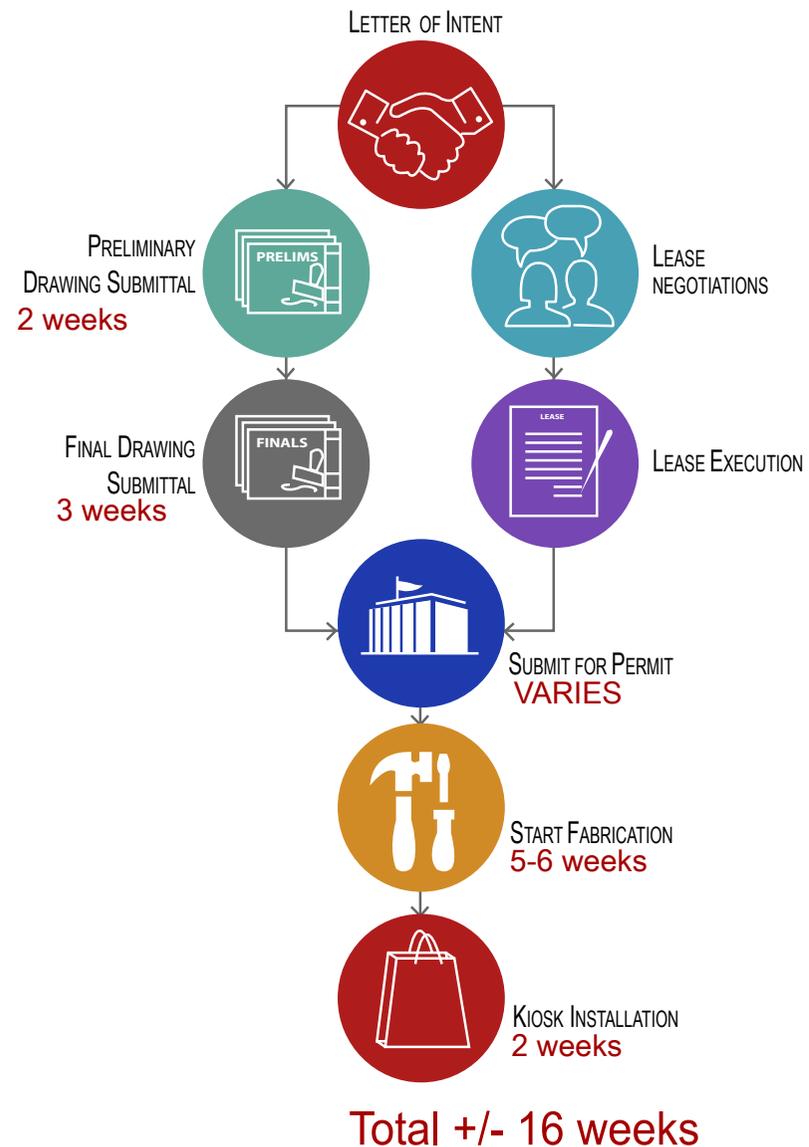
LANDLORD APPROVAL:

The Landlord's approval of the construction documents is for compliance with criteria.

By reviewing these drawings, the landlord, it's agents and consultants assume no responsibility for code compliance, including but not limited to ADA requirements, dimensional accuracy, engineering accuracy or completeness of drawings for construction purposes.

The landlord's design manager reserves the right to use discretion to assure all stores conform to the criteria and have a strong visual presentation, good design principles and is harmonious with the surrounding tenants and base building "look and feel".

The tenant and GC must have the stamped Landlord approved drawing set on site at all times during construction / installation.



The tenant's general contractor is required to contact Macerich's mall management office, (operations manager) and arrange a pre-construction meeting with him/her as well as the on site tenant coordinator, to review all construction and installation requirements when working at the mall.

This meeting will go over the following items:

- Building permits
- Contractor's fees
- All insurance requirements
- All bonds
- Access time to project
- Parking
- All delivery schedules and designated locations
- Service elevator requirements
- Security requirements
- Construction utilities
- Required landlord approved drawings
- Any construction restrictions

T H E F A B R I C A T I O N

Construction Updates:

Fabricator must provide updates and photographs at key stages.

- 1: After framework is complete, but before finishes are applied.
- 2: Once 50% of finishes have been applied.
- 3: After completion prior to shipping.



T H E FABRICATION

AC Design
360 Industrial Loop
Staten Island, NY 10309
p: 718.227.8100
www.acdesigncorp.com

Sunconure
Peter Schuwerk - President
6230 Stone Road,
Suite E, Port Richie
FL 34668
P: 727.572.6491
info@sunconureinc.com

NBI
8520 Wellsford Place
SantaFe Springs, CA 90670
p: 562.696.1400
f: 562.696.1411
sales@nbfixtures.com
www.nbfixtures.com

Wide Angle Marketing
Kraig Kaijala
27D Old Colony Road
Hubbardston, MA 01452
p: 978.928.5400
f: 978.360.6816
kraig@wideanglemarketing.com
www.wideanglemarketing.com

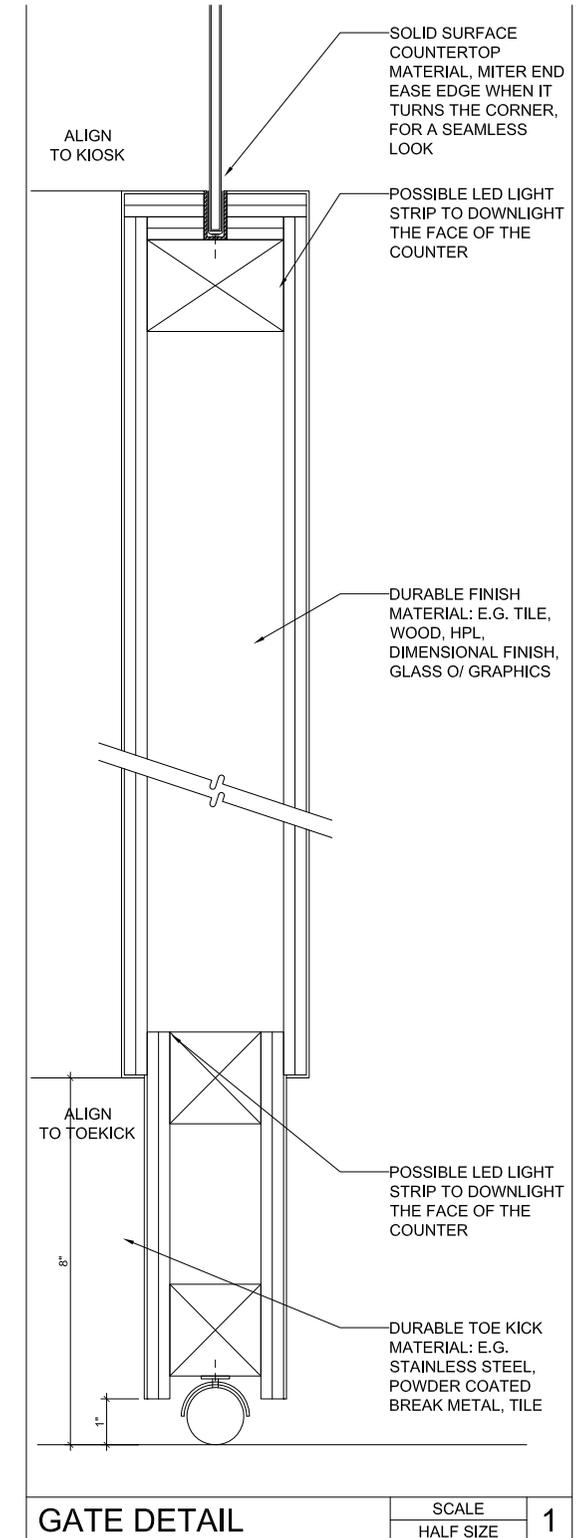
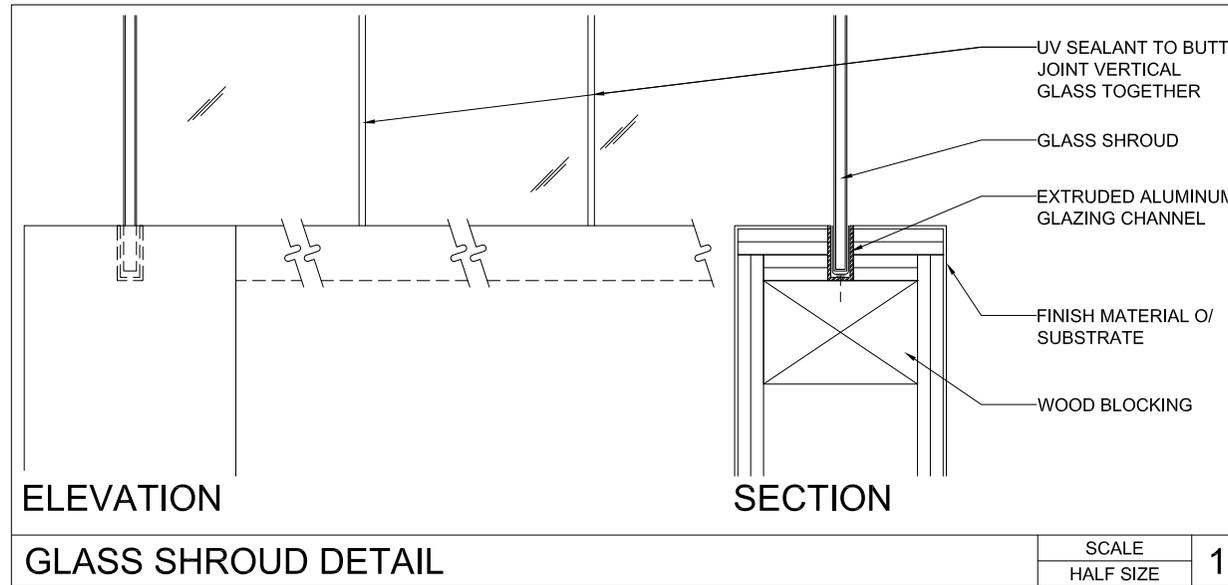
Finn Retail
Robert Herrmann, Principal
rherrmann@finnretail.com
1941-45 East Watkins
Phoenix, AZ 85034
p: 602.278.4672
www.finnretail.com

**THE ABOVE LIST ARE VETTED FABRICATORS THAT HAVE BEEN USED
FREQUENTLY TO BUILD KIOSKS IN OUR MALLS. THEY ARE SUGGESTIONS ONLY.**

GLOSSARY

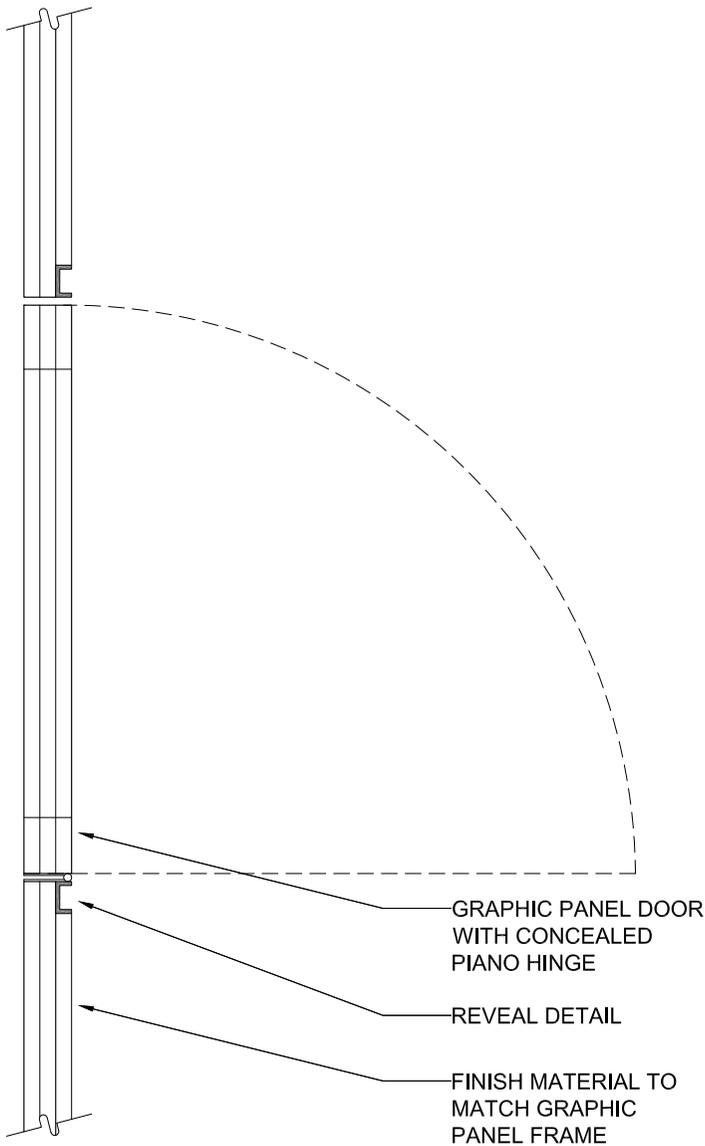
branding	a name, logo, color used to identify a product source / business.
cohesive	appropriately integrated / unified.
commercial grade	of a quality that sustains high traffic wear and tear.
compliance	to adhere to a recommended or required course.
designate	to select for a specific purpose.
durability	the ability to withstand and endure abuse.
environmental graphics	graphics that cover a field.
experiential	making meaning from direct experience.
floating retail	Macerich's new global re design of the traditional kiosk.
flush mounted	even or level with an adjacent surface, forming the same plane.
innovative	a new and inventive way to do things.
plan-o-gram	a diagram of fixtures and products that illustrate how and where things are placed.
promoting sales	to contribute to the increase and growth of sales.
push - through lettering	of a material that allows to shine through.
pylon	sign / graphic tower / "beacon".
shrouding	covering from public view.
sustainability	the capacity to endure.
toe kick	a recess of the bottom of the cabinet to provide toe space when standing next to a cabinet.

DETAIL DRAWINGS



DETAIL DRAWINGS

NOTE: FOR INTERCHANGEABLE FRAMELESS GRAPHIC PANEL, CHANGE GRAPHICS FROM BACK BY DOING CONCEALED HINGES AND REVEAL DETAILS, USE FOR BACK LIGHT PANELS AS WELL FOR EASY ACCESS IN REPLACING LIGHTS, USE CONCEALED/MAGNET ACTIVATED LOCKS TO SECURE DOOR

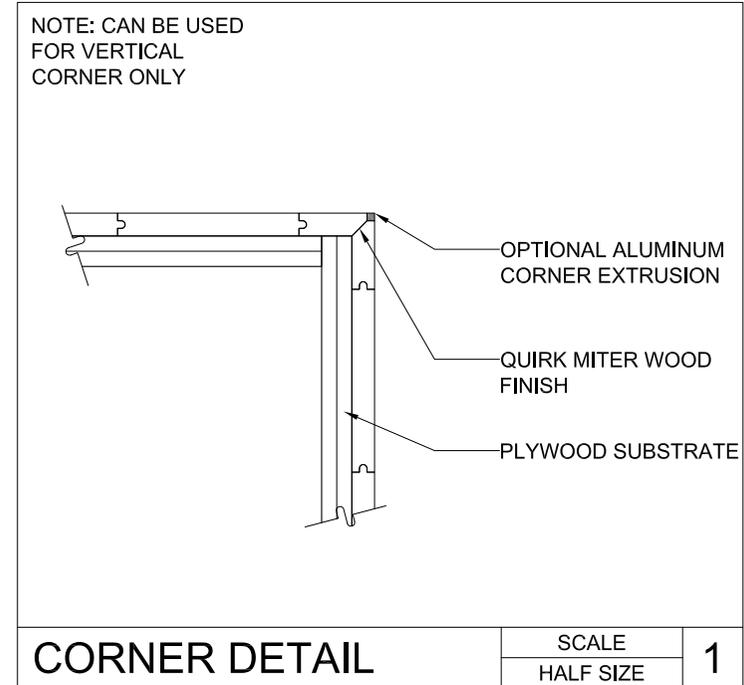
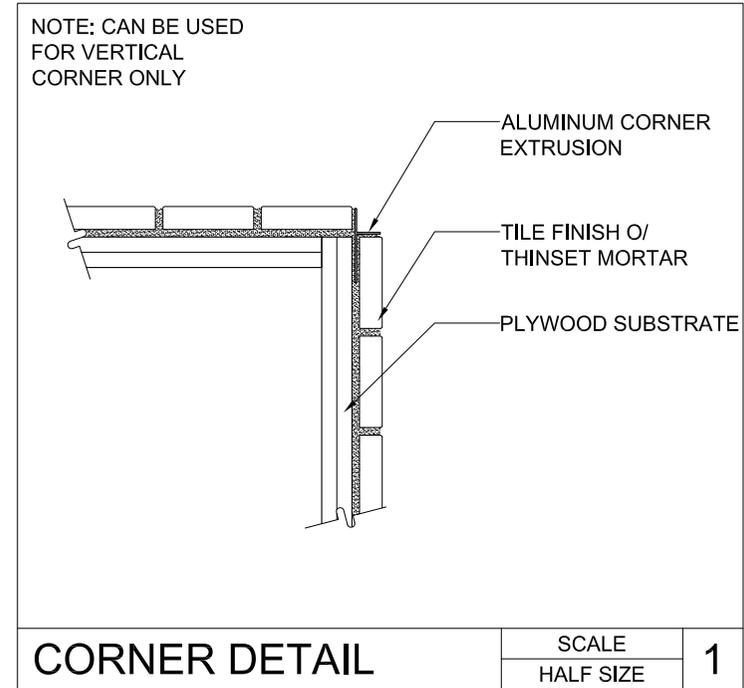
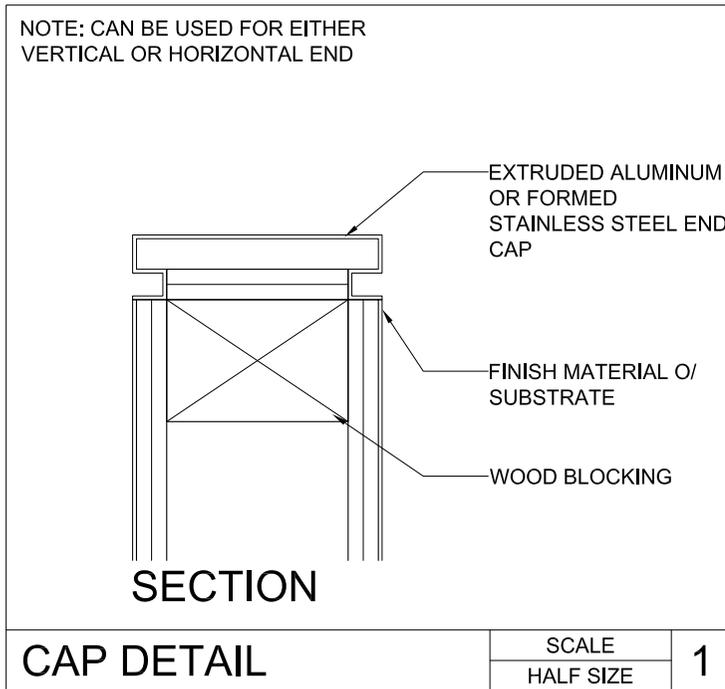


GRAPHIC PANEL DOOR WITH CONCEALED PIANO HINGE
 REVEAL DETAIL
 FINISH MATERIAL TO MATCH GRAPHIC PANEL FRAME

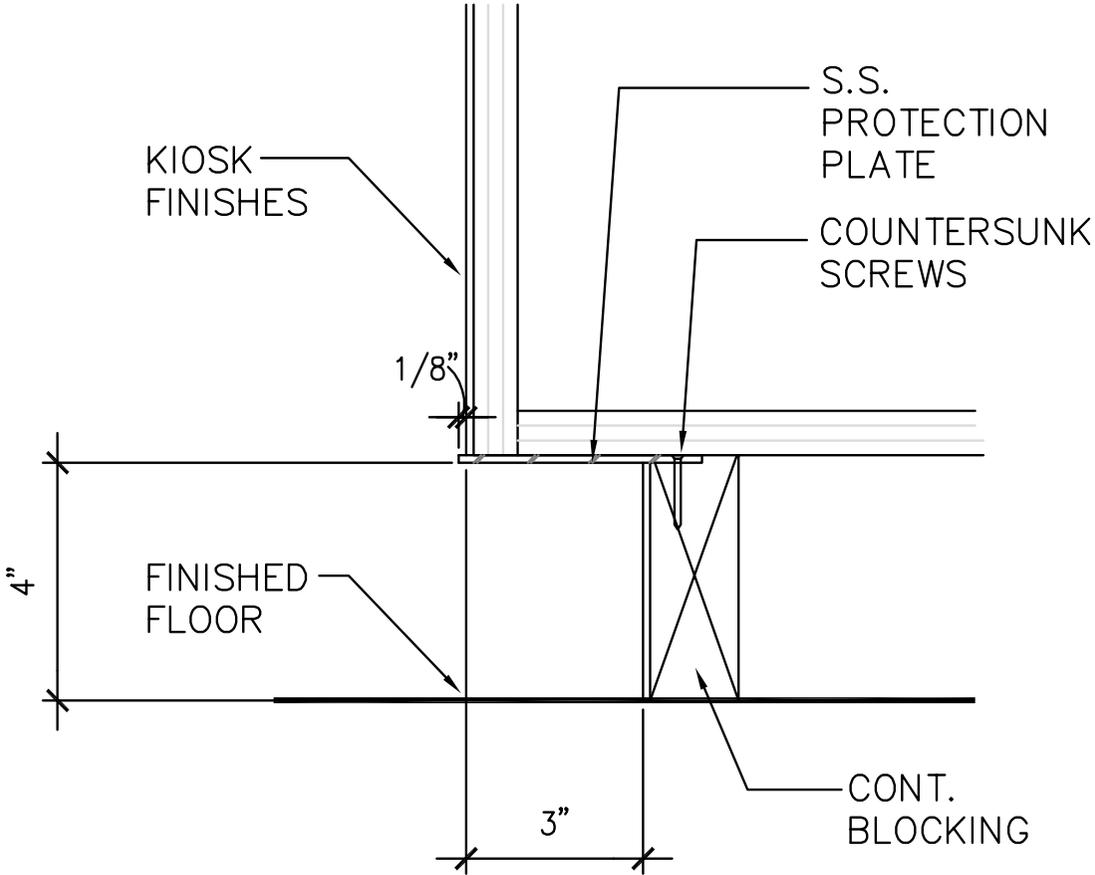
GRAPHIC FRAME

SCALE	1
HALF SIZE	

DETAIL DRAWINGS



DETAIL DRAWINGS



TOE KICK SS EXTRUSION DETAIL

KEYNOTE LEGEND :

PROJECT/ TENANTS NAME & LOGO

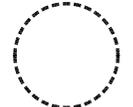
EDIT/ CHANGE

ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

EDIT/ CHANGE



ARCHITECT/ DESIGNER/ FABRICATOR PROFESSIONAL SEAL (IF REQUIRED)

CONSULTANT:

CONSULTANTS COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

EDIT/ CHANGE

PROJECT NAME :

PROJECT/ TENANTS NAME & LOGO

EDIT/ CHANGE

EDIT/ CHANGE

DEFERRED SUBMITTAL LIST :

THE FOLLOWING IS THE LIST OF DEFERRED SUBMITTALS REQUIRED BY THE BUILDING DEPARTMENT WHICH WILL BE UNDERTAKEN BY GENERAL CONTRACTORS SUPPLIERS AND/OR SUBCONTRACTORS UNDER SEPARATE PERMIT APPLICATIONS. GENERAL CONTRACTOR IS RESPONSIBLE FOR SUBMITTAL OF THESE DOCUMENTS TO THE ARCHITECT FOR REVIEW AND APPROVAL FOR GENERAL CONFORMANCE WITH THE DESIGN OF THE PROJECT PRIOR TO SUBMITTAL TO THE BUILDING AUTHORITIES FOR PERMIT AS OUTLINED IN UBC. DE § 4.2 - NO WORK IS PERMITTED TO START UNTIL THE PROPOSED WORK HAS BEEN APPROVED BY THE ARCHITECT AND PERMITTED BY THE LOCAL BUILDING AUTHORITIES.

- ILLUMINATED BUSINESS SIGNAGE **F APPLICABLE**
- FIRE SUPPRESSION (SPRINKLER) SYSTEM **F APPLICABLE**
- FIRE ALARM & SMOKE DETECTION SYSTEM **F APPLICABLE**
- ELECTRICAL & PLUMBING **F APPLICABLE**

EDIT/ CHANGE

SCOPE OF WORK :

SCOPE OF WORK FOR THIS SUBMITTAL IS LIMITED TO REMODELING/ TENANT IMPROVEMENTS FOR A NEW OPEN KIOSK/ LEASE SPACE IN AN EXISTING 2-STORY INDOOR MALL AT SHOPPING CENTER FOR A NEW TENANT INCLUDING ELECTRICAL AND PLUMBING WORK. NO INCREASE IN SIZE, CHANGE OF USE OR MODIFICATION TO EXISTING EMERGENCY EXITING ROUTES AT THE COMMON AREAS OF THE MALL IS PROPOSED.

RESPONSIBILITY MATRIX (R1)

T - TENANT (OWNER/ OWNERS VENDOR) GC - GENERAL CONTRACTOR
L - LANDLORD NA - NOT APPLICABLE
E - EXISTING

SECTION	DESCRIPTION	FURNISHED BY	INSTALLED BY	EXISTING
02050	CONSTRUCTION BARRICADE	GC	GC	
02050	DEMOLITION (14)	GC	GC	
03000	CONCRETE			
	CONCRETE SLAB ON GRADE (14)	L	L	E
	CORING/ TRENCHING (AND X-RAY CONFIRMATION TESTING PRIOR)	GC	GC	
	PATCHING AND SELF-LEVELING CEMENTITIOUS UNDERLAYMENT	GC	GC	
05000	METAL FABRICATIONS	GC	GC	
06000	ROUGH CARPENTRY	GC	GC	
06400	FINISH CARPENTRY	GC	GC	
06405	CABINETRY (11) (12)	GC	GC	
07000	ROOFING (CUTTING, PATCHING, CURB MOUNTED EQUIPMENTS) (14)	NA	NA	
07812	REPAIR DAMAGES TO SPRAYED REROFPROOF ON STEEL STRUCTURE	NA	NA	
07920	SEALANTS	GC	GC	
08100	DOORS AND FRAMES (10)	GC	GC	
08400	GLAZING, HANGING, DOORS AND HARDWARE	GC	GC	
08710	DOOR HARDWARE (10)	GC	GC	
08800	GYPSUM BOARD AND METAL STUD FRAMING	GC	GC	
09000	TILE & STONE	GC	GC	
09305	METAL TRANSITION STRIP (AT FLOOR FINISH TRANSITIONS)	GC	GC	
09510	SUSPENDED CEILING OR CANOPY SYSTEM	GC	GC	
09600	STONE/ PORCELAIN TILE	GC	GC	
09640	OTHER FLOORING	NA	NA	
09900	PAINTING	GC	GC	
10400	SIGNAGE			
	MAIN ILLUMINATED STOREFRONT SIGN (107)	GC	GC	
	GRAPHICS PANELS AND FRAMED POSTERS (10)	T	GC	
	APPLIQUE FLEX DECAL SIGNS, PLAQUES AND VINYL LETTERS	GC	GC	
10520	FIRE EXTINGUISHERS	GC	GC	
10530	FIRE PROTECTION (20)			
	SPRINKLER MAIN TO THE LEASED PREMISES	L	L	
	SPRINKLER MODIFICATIONS WITHIN THE LEASED PREMISES (104) (10)	GC	GC	
	AUDIBLE & VISUAL FIRE/ LIFE SAFETY ALARM SYSTEM (104)	GC	GC	
	SMOKE DETECTORS & HVAC DUCT SMOKE ALARMS (104)	GC	GC	
15400	PLUMBING (10)			
	SANITARY WASTE - POINT OF CONNECTION	L	L	E
	SANITARY VENT - POINT OF CONNECTION	L	L	E
	DOMESTIC WATER LINE - POINT OF CONNECTION	L	L	E
	ALL PLUMBING LINE EXTENSIONS (WITHIN OR BELOW THE PREMISES)	GC	GC	
	HOT WATER HEATER	GC	GC	
	GREASE INTERCEPTOR	GC	GC	
	ALL PLUMBING FIXTURES	GC	GC	
15500	HEATING, VENTILATION AND AIR CONDITIONING (HVAC)			
	NEW HVAC SYSTEM (RTUs) INCLUDING NEW ROOF OPENINGS	NA	NA	E
	BRANCH DUCTING, GRILLES, REGISTERS AND DIFFUSERS	NA	NA	E
	ACCESS PANELS AT CONTROLS ABOVE CEILING	NA	NA	E
	ALL VENTILATION & FILTRATION EQUIPMENT	GC	GC	
	ALL COOR MITIGATION EQUIPMENT	GC	GC	
16000	ELECTRICAL (10)			
	MAIN SWITCH, FUSE AND METER (17)	L	L	E
	SERVICE CONDUITS TO LEASED PREMISES (17)	L	L	E
	FEEDERS TO LEASED PREMISES	GC	GC	
	ELECTRICAL TRANSFORMER	GC	GC	
	PANELS, DISCONNECT SWITCHES AND TIME CLOCK	GC	GC	
	LIGHT FIXTURES, LAMPS, EXIT AND EMERGENCY LIGHTS (103) (10)	T	GC	
	OTHER ELECTRICAL WORK WITHIN THE LEASED PREMISES (103) (10)	GC	GC	
	TELEPHONE CONDUIT TO THE LEASED PREMISES	L	L	
	TELEPHONE WIRING TO THE LEASED PREMISES	GC	GC	
	TELEPHONE CONDUIT RUN WITHIN LEASED PREMISES & TEL BOARD	GC	GC	
	TELEPHONES AND TELEPHONE SERVICE WIRING (107)	T	T	
	MERCHANDISE SECURITY EQUIPMENT & AUDIO SYSTEM (107) (103) (10)	GC	GC	

SYMBOLS



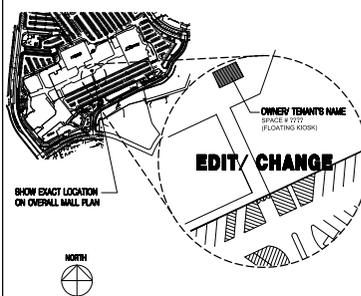
LANDLORD REQUIRED NOTES :

ANY VARIANCE BETWEEN THESE APPROVED DRAWINGS AND THE ACTUAL SITE CONDITIONS WILL BE THE TENANT'S RESPONSIBILITY.
 SLAB X-RAY REQUIRED PRIOR TO ANY SLAB PENETRATIONS.
 THE TENANT'S CONTRACTOR IS TO SCHEDULE THE PRE-CONSTRUCTION MEETING WITH THE MALL OPERATIONS PLEASE BRING COPIES OF THE APPROVED DRAWINGS & ALL REQUIRED DOCUMENTS AS IDENTIFIED IN THE RULES AND REGULATIONS.
 NEW FOOD KIOSK REQUIRE QUARRY TILE FLOOR & BASE OVER A WATERPROOF MEMBRANE. REVIEW MATERIAL SPECIFICATION WITH THE MALL OPERATIONS. WATERPROOFING IS TO CONTINUE UP THE WALLS A MINIMUM OF 6" BEHIND THE BASE.
 ALL CEILING SUPPORT IS TO BE FROM THE STRUCTURAL MEMBERS ABOVE, NO SUSPENSION FROM THE LANDLORD DECK IS PERMITTED.
 ALL STRUCTURAL MEMBERS TO BE PREPROOFED - REPAIR ANY DAMAGE DURING DEMOLITION AND MAINTAIN THE EXISTING RATING.
 ALL SECURITY DEVICES TO BE CONCEALED. LOW PROFILE SECURITY CAMERAS ARE TO BE FULLY INTEGRATED INTO KIOSK DESIGN.

PROJECT DATA

ADDRESS: **TENANT NAME** SPACES NO. 11111 (KIOSK)
 USE: RETAIL (BOOTH/ KIOSK) **EDIT/ CHANGE**
 OCCUPANCY: M - MERCANTILE
 AREA: SALES/ SERVICE (KIOSK) 150 SQ. FEET / 15 (CUF) = 10
 TOTAL AREA 150 SQUARE FEET (GROSS) : 10 OCCUPANTS
 NO. OF EXIT REQUIRED (LESS THAN 50 OCCUPANTS) = 1 (ONE)
 NO. OF EXIT PROVIDED = 2 (TWO)
 CONSTRUCTION: TYPE I - NON-COMBUSTABLE - FULLY SPRINKLERED ENCLOSED, TWO STORY SHOPPING CENTER
 BUILDING CODE: BUILDING CODE W/ CURRENT AMENDMENTS
 PLUMBING CODE: PLUMBING CODE W/ CURRENT AMENDMENTS
 ELECTRICAL CODE: ELECTRICAL CODE W/ CURRENT AMENDMENTS
 MECHANICAL CODE: MECHANICAL CODE W/ CURRENT AMENDMENTS
 ENERGY CODE: 2010 TITLE 24 ENERGY STANDARDS
 ACCESSIBILITY CODE: BUILDING CODES AND AMERICAN W/ DISABILITIES ACT (ADA)
 FIRE CODE: FIRE CODES W/ AMENDMENTS (OR LATEST)
 BUILDING DEPARTMENT:
 FIRE DEPARTMENT:
 LANDLORD: TENANT COORDINATOR (KIOSKS): TEL: EMAIL:
 OWNER/ TENANT: OWNER/ TENANTS NAME, CONTACT INFO, ADDRESS & TEL/ FAX NUMBERS
 ARCHITECT/ DESIGNER/ FABRICATOR: ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME, ADDRESS & TEL/ FAX NUMBERS
EDIT/ CHANGE

KEY PLAN



INDEX OF DRAWINGS

ARCHITECTURAL

A00	TITLE SHEET
C10	LOD (A2 EXHIBIT), SITE AND PARKING ACCESSIBILITY REFERENCE PLAN
A01	CONDITIONS & SPECIFICATIONS
A02	CONDITIONS & SPECIFICATIONS
A03	CONDITIONS & SPECIFICATIONS
A04	CONDITIONS & SPECIFICATIONS (PLUMBING & ELECTRICAL)
A05	ADA ACCESSIBILITY DETAILS & NOTES
A10	DESIGN RENDERINGS/ 3D VIEWS
A11	FLOOR PLANS, FINISH SCHEDULE & NOTES AND DESIGN RENDERINGS
A20	EXTERIOR ELEVATIONS & OVERALL SECTIONS
A21	INTERIOR ELEVATIONS
A30	CABINETRY & CONSTRUCTION DETAILS
A31	SIGNAGE DETAILS F APPLICABLE
A40	FINISHES & MATERIALS - FIRE RATING/ CODE COMPLIANCE DATA

ELECTRICAL

E-1	ELECTRICAL SPECIFICATIONS, GENERAL NOTES & INDEX OF DRAWINGS
E-2	ELECTRICAL SPECIFICATIONS, SINGLE LINE DIAGRAM & SYMBOLS LEGEND
E-3	ELECTRICAL POWER & LIGHTING PLANS & EQUIPMENT SCHEDULE
E-4	ELECTRICAL PANEL & LIGHT FIXTURE SCHEDULES AND DETAILS
E-5	TITLE 24 (T-24) ENERGY COMPLIANCE FORMS & LIGHTING CONTROL DIAGRAM

PLUMBING

P-1	PLUMBING SPECIFICATIONS & GENERAL NOTES
P-2	PLUMBING PSCHEDULES
P-3	PLUMBING RISER DIAGRAMS
P-4	PLUMBING PLANS (WATER & GAS/ WASTE & VENT)
P-5	PLUMBING DETAILS

EDIT/ CHANGE

LANDLORD APPROVAL STAMP & NOTES :

LEAVE BLANK FOR APPROVAL STAMP/ COMMENTS

VICINITY PLAN :



REVISIONS :

NO.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN SUBMITTAL	??-??-2012
2	CONSTRUCTION DOCUMENTS SUBMITTAL	??-??-2012

Job Number : 11111
 Checked by : 11111
 Drawn by : 11111
 Approved by : 11111

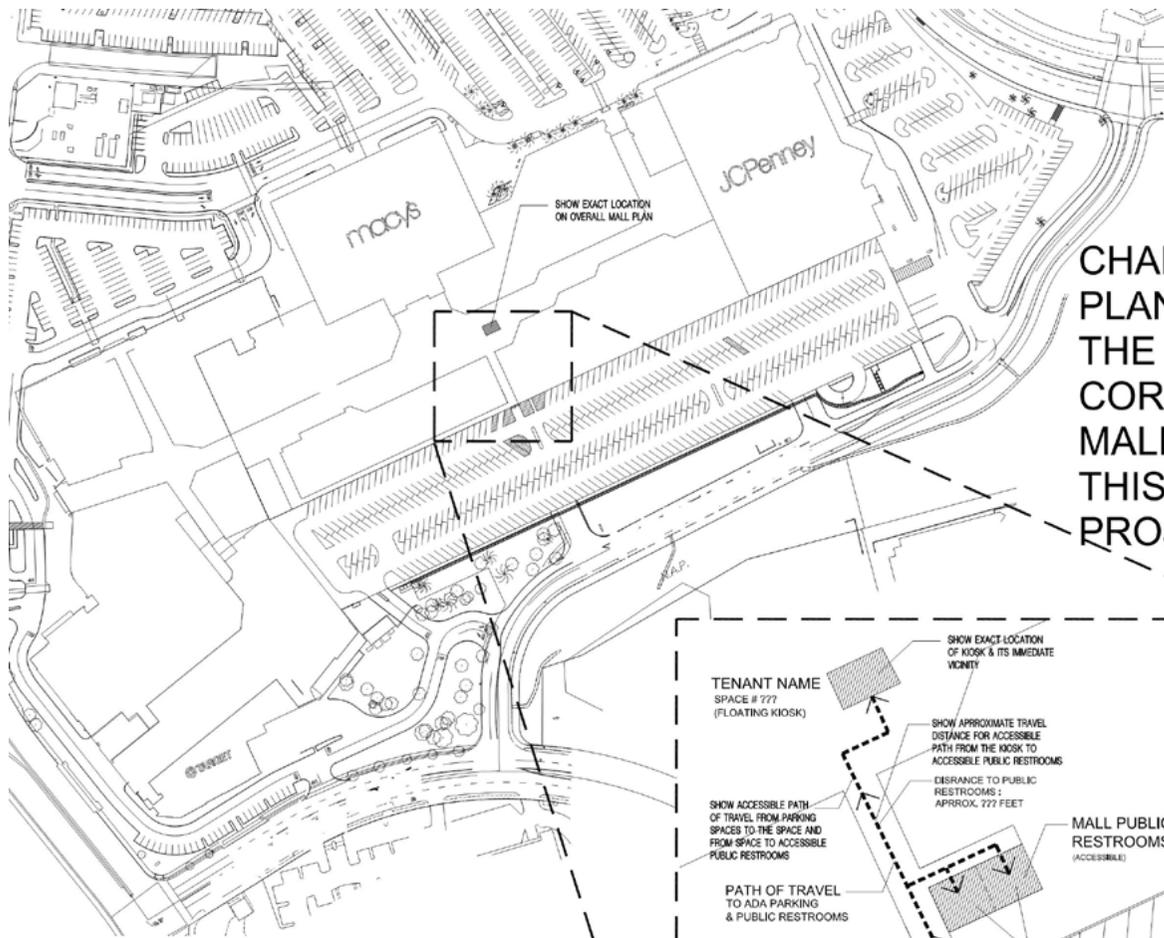
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SHEET TITLE :

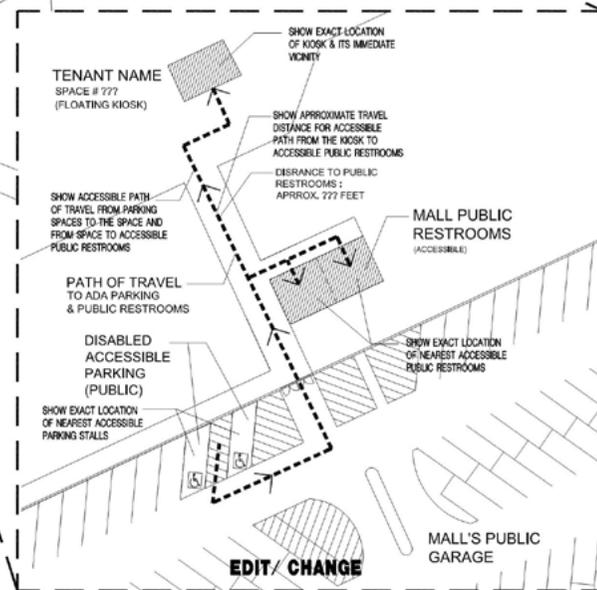
TITLE SHEET

SCALE: NONE
 ISSUE DATE: ??-??-2012

EDIT/ CHANGE
SHEET A0.0



CHANGE PLAN TO THE CORRECT MALL FOR THIS PROJECT.



ADD COPY OF LANDLORD'S LEASE EXHIBIT SHOWING THE LEASE AREA LOCATION AND DIMENSIONS

LANDLORD EXHIBIT

ADD COPY OF LANDLORD'S ANY OTHER LEASE EXHIBITS AS MAY BE APPLICABLE OR REQUIRED

LANDLORD EXHIBIT - ??

SITE PLAN & ACCESSIBLE PATH OF TRAVEL TO ADA PARKING & PUBLIC RESTROOMS GROUND LEVEL N.T.S.



COMPANY TEL & FAX NUMBERS

EDIT/ CHANGE



ARCHITECT/ DESIGNER/ FABRICATOR PROFESSIONAL SEAL (IF REQUIRED)

CONSULTANT:

CONSULTANTS COMPANY NAME & LOGO
 COMPANY ADDRESS
 COMPANY TEL & FAX NUMBERS

EDIT/ CHANGE

PROJECT NAME:

PROJECT/ TENANT'S NAME & LOGO

EDIT/ CHANGE

MALL NAME
 ADDRESS
 SPACE NUMBER

REVISIONS:

NO.	DESCRIPTION	DATE
△	SCHEMATIC DESIGN SUBMITTAL	??-??
△	CONSTRUCTION DOCUMENTS SUBMITTAL	

MALL NAME
 ADDRESS
 SPACE NUMBER

Job Number: ????

Drawn by: ????

SHEET TITLE:

SITE EGRESS REFERENCE PLAN

SCALE: NTS
 ISSUE DATE: ??-??-2012

EDIT/ CHANGE SHEET C10

SITE EGRESS REFERENCE

CONDITIONS AND SPECIFICATIONS:

DIVISION FIVE : METALS (CONTINUED)

SECTION 05700 - ORNAMENTAL METALS

- A. GENERAL: PROVIDE CUSTOM ORNAMENTAL METAL ITEMS AS INDICATED WITH ACCESSORIES AND ATTACHMENT DEVICES AS REQUIRED FOR COMPLETE, FINISHED INSTALLATION.
- B. ORNAMENTAL METAL ITEMS:
1. PROVIDE BREAK METAL SHAPES AS INDICATED ON DRAWINGS.
- C. SUBMITTALS: FURNISH PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES OF EACH EXPOSED METAL FINISH.
- D. FABRICATOR: FIRM WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE FABRICATING ORNAMENTAL METAL ITEMS SIMILAR TO THOSE REQUIRED FOR PROJECT.
- E. STAINLESS STEEL: ASTM A666, TYPE 302/304 CORROSION RESISTANT STAINLESS STEEL WITH NO. 4 SATIN DIRECTIONAL FINISH.
- F. ALUMINUM: MINIMUM ASTM 6208, 6061-T6 PLATE AND SHEET, ASTM B221, 6063-T6 EXTRUSIONS, SIZED FOR STRENGTH AND DURABILITY CONSISTENT WITH APPLICATION INVOLVED.
1. FINISH: PROVIDE FACTORY FORMULATED POLYESTER TGC POWDER COATING MATERIALS INTENDED FOR POWDER COATING APPLICATION CUSTOM COLOR AS DIRECTED BY ARCHITECT.
- G. BRACKETS AND ANCHORS: UNEXPOSED PLATES, ANGLES AND SUPPORTS MAY BE STEEL; EXPOSED ITEMS TO ORNAMENTAL METAL TYPE AND FINISH.
- H. FASTENERS: TYPE REQUIRED FOR SPECIFIC USAGE; PROVIDE CONCEALED FASTENERS EXCEPT WHERE SPECIFICALLY APPROVED; WHERE EXPOSED MATCH TYPE AND FINISH OF METAL BEING FASTENED.
1. CONCEALED STEEL FASTENERS: HOT-DIPPED GALVANIZED MINIMUM G90 WHERE BUILT INTO EXTERIOR WALLS OR SUBJECT TO HIGH HUMIDITY.
- L. FABRICATOR: FABRICATE COMPONENT CONNECTIONS TO SUPPORT SPECIFIED DESIGN LOADS.
1. SELECT MATERIALS FOR STRAIGHTNESS, FREE OF DEFECTS AND IRREGULARITIES.
 2. EXPOSED-TO-VIEW SURFACES EXHIBITING PITTING, SEAM MARKS, ROLLER MARKS, TOIL, GRANNING, STAINS, DISCOLORATIONS, AND IMPERFECTIONS ON FINISHED UNITS ARE NOT ACCEPTABLE.
 3. MAKE EXPOSED JOINTS FLUSH BUT TYPE, HARLINE JOINTS WHERE MECHANICALLY FASTENED; PROVIDE CONCEALED CONNECTION DEVICES WITH HIDDEN FASTENERS.
 4. SEPARATE DISSIMILAR MATERIALS WITH BITUMINOUS PAINT WHERE CONCEALED, WITH PREFORMED SEPARATORS, OR SIMILAR METHOD TO PREVENT CORROSION.
- J. INSTALLATION: INSTALL ORNAMENTAL METAL ITEMS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INSTALLATION INSTRUCTIONS, AND APPROVED SHOP DRAWINGS.
1. INSTALL PLUMB, TRUE AND IN CORRECT RELATION TO ADJACENT WORK, FREE FROM DISTORTION, AND FREE FROM DETRIMENTAL TO APPEARANCE AND PERFORMANCE.
 2. PRIOR TO SECURING CONTINUOUS ITEMS, ADJUST TO ENSURE PROPER MATCHING AT BUTT JOINTS AND CORRECT ALIGNMENT THROUGHOUT THEIR LENGTH.
 3. REPAIR OR REPLACE ITEMS DAMAGED OR MARRED DURING CONSTRUCTION.

DIVISION SIX: WOOD AND PLASTICS

SECTION 06105 - MISCELLANEOUS ROUGH CARPENTRY

- A. GENERAL: PROVIDE MISCELLANEOUS BLOCKING AND PLYWOOD.
- B. STANDARDS: COMPLY WITH REQUIREMENTS OF AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC), AMERICAN PLYWOOD ASSOCIATION (APA), AND APPLICABLE CODE REQUIREMENTS.
- C. BLOCKING: COMPLY WITH PS 20; GRADED BY AN AGENCY CERTIFIED BY NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA) AND OF TYPE RECOMMENDED FOR APPLICATION INVOLVED; DOUGLAS FIR OR SOUTHERN PINE, MINIMUM CONSTRUCTION GRADE S-DRY.
- D. PLYWOOD: PROVIDE MINIMUM APA C-D EXTERIOR (CDX) PLYWOOD, STRESS RATED WHERE SPANNING SUPPORTING MEMBERS; FIRE RATED TREATED; MINIMUM 3/4" THICK UNLESS OTHERWISE INDICATED.
1. PLYWOOD STANDARDS: COMPLY WITH PS1 (ANSI A119.1).
 2. PLYWOOD PANEL BOARDS: PROVIDE PANEL BOARDS FOR ELECTRICAL AND COMMUNICATION PANEL BOARDS; APA C-D PLYWOOD, INTERIOR TYPE PLYWOOD WITH EXTERIOR GLUE, FIRE RETARDANT TREATED; MINIMUM 1/2" THICK.
- E. TREATED WOOD: PRESSURE TREAT WOOD IN CONTACT WITH CONCRETE AND WITH ROOFING; FIRE TREAT WOOD CONCEALED IN INTERIOR; FIRE TREAT BLOCKING AT ROOFING WHERE REQUIRED BY APPLICABLE AUTHORITIES.
1. PRESSURE TREATED: WATER-BORNE PRESERVATIVES FOR ABOVE GROUND USE CONFORMING TO AIAW C20 AND C27.
 2. FIRE TREATED: CONFORM TO AFWA C20 AND C27, INTERIOR TYPE A AT INTERIOR APPLICATIONS; PASS ASTM D2989 RAIN TEST WHERE AT EXTERIOR WALLS AND ROOF; IDENTIFY WITH FPM.
 3. KILN-DRY TREATED WOOD TO 19 % MOISTURE CONTENT AND DISCARD WARPED AND DAMAGED PIECES.
- F. FASTENERS: PROVIDE FASTENERS AS REQUIRED FOR COMPLETE, SECURE INSTALLATION OF MISCELLANEOUS ROUGH CARPENTRY; GALVANIZED AT EXTERIOR LOCATIONS AND PRESSURE TREATED WOOD; SIZE AND TYPE TO SUIT APPLICATION; PROVIDE WASHERS FOR NUTS AND BOLTS.
- G. INSTALLATION: COMPLY WITH REFERENCED STANDARDS AND APPLICABLE CODE REQUIREMENTS.
1. PLYWOOD: COMPLY WITH RECOMMENDATIONS OF AMERICAN PLYWOOD ASSOCIATION (APA) FOR FABRICATION AND INSTALLATION OF PLYWOOD WORK.
 2. PLACE MISCELLANEOUS ROUGH CARPENTRY TRUE TO LINES AND LEVELS.
 3. CORRELATE LOCATION SO ATTACHED WORK WILL COMPLY WITH DESIGN REQUIREMENTS, AND BE PROPERLY LOCATED.
 4. CONSTRUCT MEMBERS OF CONTIGUOUS PIECES OF LONGEST POSSIBLE LENGTHS.
 5. FIT CARPENTRY WORK TO OTHER WORK; SCRIBE AND COPE AS REQUIRED FOR ACCURATE FIT.
 6. SECURELY ATTACH CARPENTRY WORK TO SUBSTRATES BY ANCHORING AND FASTENING AS REQUIRED BY RECOGNIZED STANDARDS.
 7. PROVIDE WASHERS UNDER BOLT HEADS AND NUTS IN CONTACT WITH WOOD.

SECTION 06200 - FINISH CARPENTRY

- A. GENERAL: PROVIDE WOOD TRIM, WOOD SHELVING, AND ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.
- B. STANDARDS: CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI)/QUALITY STANDARDS OR WOODWORK INSTITUTE OF CALIFORNIA (WIC) "MANUAL OF MILLWORK" STANDARDS; MINIMUM WIC/CUSTOM GRADE.
- C. SUBMITTALS: FURNISH PRODUCT DATA FOR MANUFACTURED ITEMS, SHOP DRAWINGS FOR CUSTOM ITEMS, SAMPLES OF EACH EXPOSED FINISH.
- D. CERTIFICATION: CERTIFICATION WILL NOT BE REQUIRED.
- E. MANUFACTURER: **TBD**
- F. DELIVERY, STORAGE AND HANDLING: COMPLY WITH AWI OR WIC STANDARDS AND MANUFACTURER RECOMMENDATIONS.
- G. WOOD TRIM: PREMIUM GRADE FOR OPAQUE PAINT FINISH; WHITE BIRCH OR POPLAR UNLESS OTHERWISE INDICATED.
- H. WOOD SHELVING: AWI OR WIC/CUSTOM GRADE, PARTICLEBOARD, OR HARDWOOD-EDGED PLYWOOD.

- L. ANCHORS, NAILS AND SCREWS: SELECT THE MATERIAL, TYPE, SIZE AND FINISH REQUIRED BY EACH SUBSTRATE FOR SECURE ANCHORAGE; PROVIDE TOOTHED STEEL OR LEAD EXPANSION BOLT SCREWS FOR DRILLED-IN-PLACE ANCHORS.
- K. FABRICATOR: FABRICATE FINISH CARPENTRY ITEMS IN ACCORDANCE WITH SPECIFIED QUALITY STANDARDS.
- L. INSTALLATION: INSTALL WORK CONSISTENT WITH SPECIFIED QUALITY GRADE, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS; SHM AS REQUIRED, USING CONCEALED SHIMS.
- M. PREPARATION FOR FIELD FINISHING: SAND WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS; APPLY WOOD FILLER IN EXPOSED NAIL AND SCREW INDENTATIONS AND LEAVE READY TO RECEIVE SITE-APPLIED FINISHES.
1. SEAL CONCEALED AND SEMI-CONCEALED SURFACES; BRUSH APPLY ONLY, USING PRIMER CONSISTENT WITH FINISH COATS SPECIFIED UNDER SECTION 09500 -- PAINTS AND COATINGS.

SECTION 06400 - ARCHITECTURAL WOODWORK

- A. GENERAL: INSTALL TENANT FURNISHED CASEWORK AND COUNTERTOPS INDICATED TO BE TENANT FURNISHED AND PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.
- B. STANDARDS: CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI)/QUALITY STANDARDS OR WOODWORK INSTITUTE OF CALIFORNIA (WIC) "MANUAL OF MILLWORK" STANDARDS; MINIMUM PREMIUM GRADE.
- C. SUBMITTALS: FURNISH PRODUCT DATA FOR CONTRACTOR FURNISHED ACCESSORIES INCLUDING SAMPLES OF EXPOSED MATERIALS.
- D. STORAGE AND HANDLING: COMPLY WITH MANUFACTURER RECOMMENDATIONS.
- E. ACCESSORIES: PROVIDE AS INDICATED AND AS REQUIRED TO INSTALL ARCHITECTURAL WOODWORK AS INDICATED; COORDINATE ACCESSORIES REQUIRED FOR INSTALLATION OF OWNER FURNISHED ARCHITECTURAL WOODWORK NOT FURNISHED WITH ARCHITECTURAL WOODWORK.
- F. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND REFERENCED STANDARDS. TAKE SPECIAL CARE COORDINATING INSTALLATION OF OWNER FURNISHED ARCHITECTURAL WOODWORK WITH MANUFACTURER RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
1. INSTALL WORK CONSISTENT WITH SPECIFIED QUALITY GRADE, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS.
 2. SCRIBE AND CUT FOR ACCURATE FIT TO OTHER FINISHED WORK.
 3. ENSURE MECHANICAL AND ELECTRICAL FITS AFFECTING ARCHITECTURAL WOODWORK ARE PROPERLY PLACED, COMPLETE, AND HAVE BEEN INSPECTED BY ARCHITECT PRIOR TO COMMENCEMENT OF INSTALLATION.
 4. SECURE WORK TO GROUNDS, STRIPPING AND BLOCKING WITH COUNTERSINK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR A COMPLETE INSTALLATION.
 5. SCRIBE AND CUT FOR ACCURATE FIT TO OTHER FINISHED WORK.
 6. ATTACH ARCHITECTURAL WOODWORK SECURELY IN PLACE WITH UNIFORM JOINTS PROVIDING FOR THERMAL AND BUILDING MOVEMENTS.
- G. ACCEPTABLE TOLERANCES:
1. VARIATION FROM TRUE POSITION: MAXIMUM 1/16" AT ANY POSITION AND MAXIMUM 1/8" IN ANY 10'-0" LENGTH.
 2. ADJOINING SURFACES OF SAME MATERIAL: NO VARIATION PERMITTED.

DIVISION SEVEN: THERMAL AND MOISTURE PROTECTION

SECTION 07500 - ROOF REPAIRS

- A. GENERAL: REPAIR EXISTING ROOFING SYSTEM AS REQUIRED FOR NEW CONSTRUCTION, WITH COMPONENTS AND ACCESSORIES AS REQUIRED FOR COMPLETE WEATHERIGHT INSTALLATION. G.C. TO USE LANDOWNER'S ROOFING CONTRACTOR.
- B. STANDARDS: CONFORM TO NATIONAL ROOFING CONTRACTOR'S ASSOCIATION ROOFING AND WATERPROOFING MANUAL, 4TH OR 5TH EDITION.
- C. WARRANTY: PROVIDE FOR CORRECTING FAILURE OF ROOF REPAIRS TO RESIST PENETRATION OF WATER AND DAMAGE FROM WIND, WARRANTY PERIOD OF TWO YEARS.
- D. ROOFING SYSTEM: MATCH EXISTING ROOFING, NO SUBSTITUTIONS PERMITTED; PROVIDE MATERIALS CAPABLE OF MAINTAINING EXISTING WARRANTIES; CONFORM TO REQUIREMENTS OF NRCA ROOFING MANUAL.
- E. SYSTEM: PROVIDE COMPLETE SYSTEM WITH ACCESSORIES AS REQUIRED FOR REPAIRS, INCLUDING INSULATION WHERE EXISTING ROOFING IS INSULATED.
- F. ROOF SYSTEM REPAIRS: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND NRCA AND NRCA RECOMMENDATIONS FOR ROOF TYPE SPECIFIED.
1. REMOVE EXISTING ROOFING AS REQUIRED FOR PROJECT; REMOVE ONLY AS MUCH ROOFING AS CAN BE REPLACED IN SAME DAY UNLESS OTHERWISE APPROVED IN ADVANCE BY ARCHITECT.
 2. INSPECT SUBSTRATES AND ROOF DECK TO ENSURE SUBSTRATES AND DECK ARE CLEAN AND SMOOTH, FREE OF DEPRESSIONS, WAVES OR PROJECTIONS, AND ARE PROPERLY SLOPED TO DRAINS, VALLEYS, OR SAGES.
 3. INSULATION APPLICATION: ATTACH INSULATION IN ACCORDANCE WITH INSULATION MANUFACTURER'S INSTRUCTIONS AND NRCA RECOMMENDATIONS FOR INSTALLATION OF INSULATION ON DECK INVOLVED.
 4. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF COMPOSITION TYPE BASE, WALL AND FIELD FLASHINGS.
 5. COORDINATE METAL FLASHINGS AND COUNTERFLASHING.
 6. COORDINATE INSTALLATION OF ROOF DRAINS AND RELATED FLASHINGS.
 7. MOP IN AND SEAL FLASHINGS AND FLANGES OF ITEMS PROJECTING THROUGH MEMBRANE.
- F. MAINTAIN ANY EXISTING ROOF SYSTEM WARRANTIES.

SECTION 07810 - PATCHING EXISTING FIREPROOFING

- A. GENERAL: PATCH EXISTING FIREPROOFING AS REQUIRED BY APPLICABLE CODES FOR CONSTRUCTION TYPE; NO ASBESTOS PERMITTED.
- B. DESIGN REQUIREMENTS: PROVIDE MATERIALS CAPABLE OF ATTAINING FIRE RATINGS AS REQUIRED FOR TYPE I, FIRE RESISTIVE.
- C. PERFORMANCE REQUIREMENTS: PROVIDE MATERIALS LISTED BY UL OR INDEPENDENT TESTING AND INSPECTION AGENCY ACCEPTABLE TO APPLICABLE AUTHORITIES.
1. FIRE RESISTANCE RATINGS: COMPLY WITH REQUIRED RATINGS BASED ON TESTS IN ACCORDANCE WITH ASTM E119.
 2. SURFACE BURNING CHARACTERISTICS: MAXIMUM 25 FLAME SPREAD AND 25 SMOKE DENSITY WHEN TESTED IN ACCORDANCE WITH ASTM E84.
- D. CERTIFICATE: SUBMIT MANUFACTURER CERTIFICATION INDICATING ACCEPTABILITY AND MATERIAL COMPLIANCE WITH APPLICABLE CODES AND CONTRACT DOCUMENTS.
1. CERTIFICATION SHALL INDICATE NEW MATERIALS USED TO PATCH EXISTING FIREPROOFED MEMBERS AT NEW AND EXISTING WORK ARE COMPATIBLE WITH EXISTING FIREPROOFING MATERIALS AND MEET ALL PERFORMANCE REQUIREMENTS.
 2. QUALIFICATION OF APPLICATOR: FIRM ACCEPTABLE TO MANUFACTURER OF FIREPROOFING MATERIALS, WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE ON PROJECTS OF SIMILAR SCOPE.
 3. MANUFACTURER'S PRODUCTS: MATCH EXISTING BUT NOT LESS THAN W.R. GRACE/MONOKOTE OR ALBANI MANUFACTURING DIVISION STANCHION/DURASPRAY.

- G. INSTALLATION: INSTALL IN ACCORDANCE MANUFACTURER RECOMMENDATIONS AND FIRE TEST RESULTS AS REQUIRED TO PROVIDE REQUIRED FIRE RATINGS.
1. PROTECT ADJACENT SURFACES AND EQUIPMENT FROM DAMAGE BY OVERSPRAY, FALLOUT, AND DRIFTING; MASK ADJACENT WORK AS REQUIRED; CLOSE OFF AND SEAL DUCT WORK IN AREAS WHERE FIREPROOFING IS BEING APPLIED.
 2. CLEAN SUBSTRATE OF DIRT, DUST, GREASE, OIL, LOOSE MATERIAL, PAINTS, PRIMERS, AND OTHER MATTER WHICH AFFECTS BOND OF SPRAYED FIREPROOFING.
 3. CLEAR SUBSTRATE IN SUFFICIENT THICKNESS AND DENSITY TO ACHIEVE REQUIRED FIRE RATINGS.
 4. APPLY FIREPROOFING OVER SUBSTRATE, BUILDING TO REQUIRED THICKNESS WITH AS MANY PASSES OR STAGES NECESSARY TO COVER WITH MONOLITHIC BLANKET OF UNIFORM DENSITY AND TEXTURE.

SECTION 07840 - FIRESTOPPING

- A. GENERAL: PROVIDE PENETRATION-TYPE FIRESTOPPING FOR TIME-RATED FLOOR, WALL, AND PARTITION ASSEMBLIES CAPABLE OF PREVENTING PASSAGE OF FLAME, SMOKE AND HOT GASES.
- B. CODES: CONFORM TO APPLICABLE CODE REQUIREMENTS FOR BOTH F AND T RATINGS.
- C. STANDARDS: PASS ASTM E814 THROUGH-PENETRATION FIRE STOPS, ASTM E119 FIRE TESTS AND ASTM E84 FLAME SPREAD/SMOKE CONTRIBUTION MAXIMUM 25/25.
- D. MANUFACTURERS: 3M/FIRE BARRIER, STI/SPECSPEC/ OR PENSLI, OR HULTI/FIRESTOP SYSTEMS.
- E. GENERAL: CHOOSE PRODUCTS AND METHODS MEETING APPLICABLE CODES AND SPECIFICATION REQUIREMENTS FOR EACH FIRESTOPPING APPLICATION, SUBJECT TO ARCHITECT'S ACCEPTANCE.
- F. FIRESTOPPING MATERIALS: FURNISH MATERIALS FOR PENETRATIONS IN TIME-RATED FLOOR, WALL, AND PARTITION ASSEMBLIES CAPABLE OF PREVENTING PASSAGE OF FLAME, SMOKE, AND HOT GASES.
1. PENETRATION TEST: FURNISH MATERIALS PASSING ASTM E814 FOR PENETRATION FIRE STOPPING INDICATING MAINTENANCE OF TIME-RATED ADJACENT ASSEMBLIES.
 2. FIRESTOPPING: MAINTAIN FIRE RATING OF ASSEMBLY IN WHICH FIRESTOPPING IS INSTALLED, SUCH AS FLOOR, PARTITION, OR WALL, IN ACCORDANCE WITH ASTM E119 TESTS.
- G. INSTALLATION: INSTALL IN ACCORDANCE MANUFACTURER RECOMMENDATIONS AND FIRE TEST RESULTS AS REQUIRED TO PROVIDE REQUIRED FIRE RATINGS.
1. FIELD INSPECTIONS: MAINTAIN COPY OF MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS AT EACH WORK AREA.

SECTION 07900 - JOINT SEALERS

- A. GENERAL: PROVIDE EXTERIOR AND INTERIOR JOINT SEALERS NOT PROVIDED ELSEWHERE; TYPE SUITABLE FOR APPLICATION INDICATED WITH ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
- B. INSTALLER QUALIFICATIONS: FIRM WITH MINIMUM FIVE YEAR'S SUCCESSFUL EXPERIENCE ON PROJECTS OF SIMILAR TYPE AND SIZE, USING SPECIFIED PRODUCTS.
- C. SUBMITTALS: FURNISH PRODUCT DATA AND SAMPLES OF EXPOSED JOINT SEALERS IN REQUIRED COLORS.
- D. WARRANTY: REPAIR OR REPLACE JOINT SEALERS WHICH FAIL TO PERFORM AS INTENDED, INCLUDING OF LEAKING, CRUMBLING, HARDENING, SHRINKAGE, BLEEDING, SAGGING, STAINING AND LOSS OF ADHESION; WARRANTY PERIOD TWO YEARS.
- E. EXTERIOR NON-TRAFFIC JOINTS: GE/SILPRUF, DOW/790-795, OR PEORCA/854, LOW MODULUS SILICONE SEALANT.
- F. TRAFFIC BEARING JOINTS: MAMCO/VULKEM 245, OR PEORCA/NR-200 UREXPAF, MULTI-COMPONENT POLYURETHANE, SELF-LEVELING JOINT SEALER.
- G. MILDEW-RESISTANT SANITARY SEALANTS: GE/SANITARY SEALANT, DOW/BATHUB CAULK, OR PEORCA/863 #345 WHITE; PROVIDE AT INTERIOR AREAS WHERE SEALANT WILL BE EXPOSED TO WATER.
- H. GENERAL INTERIOR JOINT SEALER: PEORCA/AC-20 OR SONNEBORN/SONOLAC, ACRYLIC OR LATEX EMULSION.
- I. MISCELLANEOUS MATERIALS: PRIMERS, SEALERS, JOINT CLEANERS, BOND BREAKER TAPE, AND SEALANT BACKER RODS AS RECOMMENDED BY SEALANT MANUFACTURER FOR APPLICATIONS INDICATED.
1. OVERSIZE BACKER ROD MINIMUM 30 % TO 50 % OF JOINT OPENING.
- J. COLORS: AS INDICATED OR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
- K. PREPARATION: CLEAN JOINT SURFACES IMMEDIATELY BEFORE INSTALLATION OF JOINT SEALER, AND PRIME OR SEAL WITH SEALANT SURFACES AS COMMENTED BY MANUFACTURER.
- L. INSTALLATION: COMPLY WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND ASTM C1193.

1. EMPLOY INSTALLATION TECHNIQUES WHICH WILL ENSURE JOINT SEALERS ARE DEPOSITED IN UNIFORM, CONTINUOUS RIBBONS WITHOUT GAPS OR AIR POCKETS, WITH COMPLETE "WETTING" OF BOND SURFACES.

EDIT / CHANGE

DIVISION EIGHT: DOORS AND WINDOWS

SECTION 08110 - STEEL DOORS AND FRAMES

- A. GENERAL: PROVIDE STEEL DOORS AND FRAMES AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION; COORDINATE WITH SECTION 09700 -- HARDWARE.
- B. STANDARDS: COMPLY WITH STEEL DOOR INSTITUTE "STANDARD STEEL DOORS AND FRAMES" OR MAMM HOLLOW METAL MANUFACTURERS ASSOCIATION "HOLLOW METAL MANUAL."
1. FIRE RATED STANDARDS: FURNISH MATERIALS TESTED, LABELED AND INSPECTED BY UL, WARNACK HERSEY, OR TESTING AGENCY ACCEPTABLE TO APPLICABLE AUTHORITIES.
- C. SUBMITTALS: SUBMIT PRODUCT DATA.
- D. MANUFACTURERS: AMWELD, LCO, OR PIONEER.
- E. HOLLOW METAL DOORS: FLUSH HOLLOW METAL DOORS FULL FLUSH TYPE; SD MODEL 1, MAMM TYPE B FULL FLUSH WITH UNFILED EDGE, CLOSE TOP AT EXTERIOR DOORS.
1. CORE: PROVIDE STEEL STIFFENED CORE; INSULATED AT EXTERIOR DOORS.
 2. GAGE: PROVIDE MINIMUM 18 GAGE AT INTERIOR DOORS, MINIMUM 16 GAGE AT EXTERIOR DOORS.
- F. PRESSED STEEL (HOLLOW METAL) FRAMES: MINIMUM 16 GAGE KNOCK-DOWN FIELD-ASSEMBLED FRAMES.
- G. FIRE RATED UNITS: CONFORM TO NFPA 80; PROVIDE UL OR WARNACK HERSEY LABELED DOORS AND FRAMES AS REQUIRED.
- H. ACCESSORIES: PROVIDE DOOR SLIDERS, ANCHORS, AND ACCESSORIES.
- I. FABRICATION: CONFORM TO REQUIREMENTS OF SD OR NAAMM.
1. DOOR SLIDERS: PLACE MINIMUM THREE SINGLE BUMPERS ON SINGLE DOOR FRAMES; SPACE EQUALLY ALONG STRIKE JAMBS; PLACE TWO SINGLE BUMPERS ON DOUBLE DOOR FRAME HEADS.
 2. FINISH: PRIME PAINT INTERIOR UNITS, GALVANIZE AND PRIME PAINT EXTERIOR UNITS; MINIMUM 60 GALVANIZING; CLEAN, DEGREASE AND FACTORY PRIME PAINT.
 3. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND EITHER SD OR NAAMM STANDARDS.
1. INSTALL FIRE RATED UNITS IN CONFORMANCE WITH FIRE LABEL REQUIREMENTS AND NFPA 80.
 2. INSTALL DOORS AND FRAMES PLUMB AND SQUARE, AND WITH MAXIMUM DIAGONAL DISTORTION OF 1/16".

THESE ITEMS MAY NOT BE APPLICABLE-VERIFY

SECTION 08200 - WOOD DOORS AND FRAMES

SECTION 08310 - ACCESS DOORS AND PANELS

- A. GENERAL: PROVIDE ACCESS DOORS AS REQUIRED FOR ACCESS TO VALVES AND CONTROLS LOCATED BEHIND FINISHED WALLS AND CEILINGS NOT OTHERWISE ACCESSIBLE, WITH ACCESSORIES FOR COMPLETE INSTALLATION.
1. COORDINATE WITH VARIOUS TRADES FOR CONTROLS AND VALVES WHICH MAY BE CONCEALED.
- B. SUBMITTALS: FURNISH PRODUCT DATA FOR EACH TYPE OF ACCESS DOOR AND PANEL.
- C. MANUFACTURERS: MILCOR, J.L INDUSTRIES, OR KARP.
- D. TYPE: FLUSH TYPE AT NON FIRE RATED CONSTRUCTION, STANDARD UL APPROVED FRAMED TYPE AT FIRE RATED CONSTRUCTION, KEY OPERATED.
1. FRAMES: FABRICATE FROM MINIMUM 16 GAGE.
 2. DOORS: FLUSH PANEL TYPE, FABRICATE FROM MINIMUM 14 GAGE STEEL.
 3. HINGE: PROVIDE CONTINUOUS PIANO TYPE HINGE.
 4. FINISH: FINISH WITH MANUFACTURER'S FACTORY-APPLIED ENAMEL PRIME COAT APPLIED OVER PHOSPHATE COATING ON STEEL.
- E. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND APPLICABLE REQUIREMENTS FOR FIRE RATINGS.
1. SET FRAMES ACCURATELY IN POSITION AND SECURELY ATTACH TO SUPPORTS WITH FACE PANELS PLUMB OR LEVEL IN RELATION TO ADJACENT FINISH SURFACES.
 2. ADJUST HARDWARE AND DOORS AFTER INSTALLATION FOR PROPER OPERATION.
 3. REMOVE AND REPLACE DOORS OR FRAMES WHICH ARE WARPED, BOWED OR OTHERWISE DAMAGED.

SECTION 08700 - HARDWARE

- A. GENERAL: PROVIDE DOOR HARDWARE FOR HOLLOW METAL DOORS AND PROVIDE CYLINDERS FOR DOORS PROVIDED WITH HARDWARE, WITH ACCESSORIES AS REQUIRED FOR COMPLETE OPERATIONAL INSTALLATION.
- B. STANDARDS: COMPLY WITH BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA) ANSI/BHMA 156 SERIES STANDARDS.
- C. CODES AND REGULATIONS: COMPLY WITH STATE AND FEDERAL REQUIREMENTS FOR ENSURING ACCESS FOR PERSONS WITH DISABILITIES.
1. FIRE RATED DOORS: COMPLY WITH REQUIREMENTS OF NFPA 80 AND APPLICABLE CODES FOR FIRE RATED DOOR HARDWARE; PROVIDE HARDWARE BEARING UNDERWRITERS LABORATORY (UL) LABELS.
 2. SUBMITTALS: FURNISH SHOP DRAWINGS, PRODUCT DATA INCLUDING KEYING SCHEDULE, AND SAMPLES OF EACH REQUIRED STYLE AND FINISH.
 3. SUPPLY TEMPLATES TO DOOR AND FRAME MANUFACTURERS FOR PROPER AND ACCURATE SIZING AND LOCATIONS OF CUT-OUTS FOR HARDWARE.
- E. GENERAL MATERIALS: PROVIDE COMPLETE HARDWARE WITH ACCESSORIES AS REQUIRED FOR DOORS AND APPLICATIONS INDICATED AND NOT PROVIDED UNDER OTHER SECTIONS.
- F. HINGES: HAGER, LAWRENCE, MCKINNEY, OR STANLEY; FULL MORTISED BUTT HINGES; SIZE AND NUMBER AS RECOMMENDED BY MANUFACTURER; NONREMOVABLE PINS AT EXTERIOR; OUTSWINGING DOORS, BALL-BEARING HINGES AT FIRE RATED DOORS AND DOORS WITH CLOSERS.
- G. LOCKSETS/LATCHSETS: SCHLAGE, SARGENT, YALE, OR U-COMAGE; FULL MORTISE LOCKSETS TYPED AT DOORS TO PUBLIC AREAS, CYLINDRICAL LOCKSETS AND LATCHSETS AT OTHER LOCATIONS; SOLID LEVER TYPE WITH ROSE; KEYING AS DIRECTED BY OWNER; PROVIDE CYLINDERS FOR DOORS FURNISHED WITH LOCKS.
- H. OVERHEAD CLOSERS: LCM/4000 SERIES OR NORTON/7500 FULLY ADJUSTABLE; MODERN TYPE WITH COVER.
- I. ACCESSORIES: PROVIDE DOOR STOPS, THRESHOLDS, WEATHERSTRIPPING, TRIM, COORDINATORS AND ACCESSORIES AS REQUIRED FOR COMPLETE OPERATIONAL DOOR INSTALLATION.
1. THRESHOLDS, STOPS, TRIM, AND MISCELLANEOUS HARDWARE: PROVIDE AS INDICATED, AS SPECIFIED, AS INCLUDED IN HARDWARE SCHEDULE, AND AS REQUIRED FOR COMPLETE INSTALLATION.
 2. WEATHERSTRIPPING: PROVIDE CONTINUOUS WEATHERSTRIPPING AT TOP AND SIDES OF EXTERIOR DOORS.
 3. FIRE RATED GASKETS: PROVIDE CONTINUOUS FIRE RATED GASKETS AT TOP AND SIDES OF FIRE RATED DOORS.
 4. THROUGH BOLTS: THROUGH BOLTS AND GROMMET NUTS SHALL BE AVOIDED ON DOOR FACES IN HIGHLY VISIBLE AREAS, UNLESS NO ALTERNATIVE IS POSSIBLE, AS DIRECTED AND APPROVED, AND SHALL NOT BE USED FOR SOLID WOOD CORE DOORS.
- J. FINISH: BHMA 626 (US260), SATIN FINISHED CHROMIUM PLATED UNLESS OTHERWISE INDICATED.
- K. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, BHMA, AND APPLICABLE REQUIREMENTS FOR ACCESS AND FOR FIRE RATINGS.
1. FIT HARDWARE PRIOR TO PAINTING, THEN REMOVE PAINTING OF DOORS AND FRAMES BEFORE FINAL INSTALLATION OF HARDWARE.
 2. HEIGHTS TO COMPLY WITH APPLICABLE CODES AND BHMA RECOMMENDATIONS.
 3. HARDWARE GROUPS: REFER TO DRAWINGS. THESE ITEMS MAY NOT BE APPLICABLE-VERIFY

DIVISION NINE: FINISHES

SECTION 09260 - GYPSUM BOARD ASSEMBLIES

- A. GENERAL: PROVIDE GYPSUM BOARD SYSTEMS INCLUDING METAL FRAMING ACCESSORIES, GYPSUM BOARD, JOINT TREATMENT, ACoustICAL INSULATION, ACoustICAL SEALANT, AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
- B. STANDARDS: COMPLY WITH ASTM C754, ASTM C840, AND REQUIREMENTS FOR FIRE RATINGS.
1. DEFLECTIONS: MAXIMUM L/240 TYP., L/360 AT LOCATIONS INDICATED TO RECEIVE TLE.
- C. FIRE-RATED ASSEMBLIES: LISTED BY UNDERWRITER'S LABORATORY, GYPSUM ASSOCIATION (GA) FILE NO.'S IN GA-600 FIRE RESISTANCE DESIGN MANUAL, OR OTHER LISTING APPROVED BY APPLICABLE AUTHORITIES.
- D. SYSTEMS RESPONSIBILITY: PROVIDE PRODUCTS MANUFACTURED BY OR RECOMMENDED BY MANUFACTURER OF GYPSUM BOARD TO MAINTAIN SINGLE-SOURCE RESPONSIBILITY FOR SYSTEM.
- E. SUBMITTALS: FURNISH PRODUCT DATA.
- F. MANUFACTURERS: USG, GEORGIA PACIFIC, OR NATIONAL GYPSUM.

(CONDITIONS & SPECIFICATIONS CONTINUE ON SHEET A03)

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ARCHITECT/ DESIGNER/ FABRICATOR
COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL. & FAX NUMBERS

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ARCHITECT/ DESIGNER/ FABRICATOR
PROFESSIONAL SEAL OF REQUIRED

CONSULTANT:

CONSULTANTS COMPANY
NAME & LOGO

COMPANY ADDRESS

COMPANY TEL. & FAX NUMBERS

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PROJECT NAME:

PROJECT/ TENANTS NAME & LOGO

EDIT / CHANGE

REVISIONS:

NO.	DESCRIPTION	DATE
△	SCHEMATIC DESIGN SUBMITTAL	11-17-2012
△	CONSTRUCTION DOCUMENTS SUBMITTAL	11-17-2012

Job Number: 7777

Checked by: 7777

Drawn by: 7777

Approved by: 7777

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SHEET TITLE:

CONDITIONS AND SPECIFICATIONS

SCALE: NONE

ISSUE DATE: 11-17-2012

EDIT / CHANGE
SHEET A0.2

CONDITIONS AND SPECIFICATIONS:

DIVISION NINE: FINISHES (CONTINUED)

SECTION 09260 – GYPSUM BOARD ASSEMBLIES (CONTINUE)

- G. METAL FRAMING: CONFORM TO ASTM C754; COMPLETE 1/8 GAGE AND LIGHTER STEEL FRAMING AND SUSPENSION SYSTEM FOR GYPSUM BOARD SYSTEMS; PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
1. MANUFACTURED SUSPENSION SYSTEM SUCH AS CHICAGO METALLIC/DRYWALL SYSTEM IS ACCEPTABLE.
- H. GYPSUM BOARD: CONFORM TO C840; UL LISTED FIRE RESISTANT GYPSUM BOARD.
- STANDARD: ASTM C36, 5/8" THICK.
 - CORE BOARD: ASTM C442, 1" THICK.
- I. GYPSUM BOARD ACCESSORIES: COMPLY WITH ASTM C840.
- PROVIDE PROTECTIVE COATED STEEL CORNER BEADS AND EDGE TRIM; TYPE DESIGNED TO BE CONCEALED IN FINISHED CONSTRUCTION BY TAPE AND JOINT COMPOUND.
 - CORNER BEADS: MANUFACTURER'S STANDARD METAL BEADS.
 - REINFORCING TAPE, JOINT COMPOUND, ADHESIVE, WATER, FASTENERS: TYPES RECOMMENDED BY SYSTEM MANUFACTURER AND CONFORMING WITH ASTM C475.
 - FIRE RATED CONSTRUCTION: COMPLY WITH UNDERWRITER'S LABORATORIES CERTIFIED FIRE TESTS AND APPLICABLE CODE REQUIREMENTS.
 - SHaft WALL SYSTEM: PROVIDE AT SHAFTS AND WHERE INDICATED.
 - ACUSTICAL ACCESSORIES: PROVIDE ASTM C865, TYPE I ACUSTICAL INSULATION AND ASTM C919 PAINTABLE ACUSTICAL SEALANTS WHERE ACUSTICAL SYSTEMS ARE INDICATED. L. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, REFERENCED STANDARDS, AND APPLICABLE REQUIREMENTS FOR FIRE RATINGS AND ACUSTICAL RATINGS.
 - SPECIAL METAL STUD AND GYPSUM DOOR: PROVIDE SPECIAL CONFIGURATION AS INDICATED ON DRAWINGS.
 - METAL FRAMING: ERECT METAL FRAMING IN ACCORDANCE WITH ASTM C754 AND MANUFACTURER'S RECOMMENDATIONS.
 - INSTALL MEMBERS TRUE TO LINES AND LEVELS TO PROVIDE SURFACE FLATNESS WITH MAXIMUM VARIATION OF 1/8" IN 10'-0" IN ANY DIRECTION.
 - DOOR OPENING FRAMING: INSTALL DOUBLE STUDS AT DOOR FRAME JAMBS; INSTALL RUNNERS ON EACH SIDE OF OPENING AT FRAME HEAD HEIGHT BETWEEN JAMB STUDS AND ADJACENT STUDS.
 - INSTALL METAL FRAMING BACKING: WHERE REQUIRED FOR SUPPORT OF FIXTURES, CABINETS, ACCESSORIES AND HARDWARE.
 - COORDINATE INSTALLATION OF BUCKS, ANCHORS, BLOCKING, ELECTRICAL AND MECHANICAL WORK WHICH IS TO BE PLACED IN OR BEHIND PARTITION FRAMING; ALLOW ITEMS TO BE INSTALLED AFTER FRAMING IS COMPLETE.
 - CEILING FRAMING INSTALLATION: ERECT IN ACCORDANCE WITH ASTM C754 AND MANUFACTURER'S RECOMMENDATIONS; REINFORCE OPENINGS IN CEILING SUSPENSION SYSTEM.
 - LATERALLY BRACE ENTIRE SUSPENSION SYSTEM.
 - GYPSUM BOARD INSTALLATION: INSTALL IN ACCORDANCE WITH ASTM C840 AND MANUFACTURER'S RECOMMENDATIONS. USE SCREWS WHEN FASTENING GYPSUM BOARD TO FURRING AND TO FRAMING.
 - FOR FIRE RATED SYSTEMS COMPLY WITH REQUIREMENTS FOR FIRE RATINGS.
 - PLACE CORNER BEADS AT EXTERNAL CORNERS; USE LONGEST PRACTICAL LENGTHS.
 - PLACE EDGE TRIM WHERE GYPSUM BOARD ADJES DISSIMILAR MATERIALS.
 - TAPE, FILL, AND SAND EXPOSED JOINTS, EDGES, CORNERS AND OPENINGS TO PRODUCE SURFACE READY TO RECEIVE FINISHES; FEATHER COATS ONTO ADJACING SURFACES.
 - FINISHING: COMPLY WITH GYPSUM ASSOCIATION (GA) LEVELS OF GYPSUM BOARD FINISH GA LEVEL 4, THREE COAT FINISHING AND SANDING IS REQUIRED FOR SURFACES INDICATED TO BE PAINTED; PROVIDE FLUSH, SMOOTH JOINTS AND SURFACES READY FOR APPLIED PAINT FINISHES.
 - REMOVE AND REPLACE DEFECTIVE WORK.
 - ACUSTICAL ACCESSORIES INSTALLATION.
 - PLACE ACUSTICAL INSULATION TIGHT WITHIN SPACES, AROUND CUT OPENINGS, BEHIND AND AROUND ELECTRICAL AND MECHANICAL ITEMS WITHIN PARTITIONS, AND TIGHT TO ITEMS PASSING THROUGH PARTITIONS.
 - PLACE ACUSTICAL SEALANT WITHIN PARTITIONS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS; INSTALL ACUSTICAL SEALANT AT GYPSUM BOARD PERIMETER, AT BASE LAYER AND FACE LAYER OF GYPSUM BOARD, AND PENETRATIONS OF PARTITIONS.
 - TOLERANCE: MAXIMUM 1/4" SPACE BETWEEN GYPSUM BOARD AT FLOOR, CEILING, AND PENETRATIONS.
 - INSTALL ELECTRICAL BOX PADS WITH PADS MOLDED AND PRESSED ON BACK SIDE OF BOX; CLOSING OPENINGS, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, FOR COMPLETE ACUSTICAL BARRIER.

SECTION 09300 – TILE

EDIT/ CHANGE

- SECTION 09510 – ACUSTICAL CEILING**
- A. GENERAL: PROVIDE ACUSTICAL CEILINGS INCLUDING SUSPENSION SYSTEM, TRIM, AND ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.
- B. STANDARDS: CONFORM TO ASTM C635 FOR METAL SUSPENSION SYSTEM AND ASTM C636 FOR INSTALLATION OF ACUSTICAL CEILINGS.
- C. PERFORMANCE REQUIREMENTS: PROVIDE PRODUCTS LISTED BY UNDERWRITERS LABORATORIES (UL).
1. FLAME SPREAD/SMOKE DENSITY: PROVIDE PRODUCTS MEETING CODE REQUIREMENTS FOR MAXIMUM 25 FLAME SPREAD AND MAXIMUM 25 SMOKE DENSITY.
- D. SEISMIC REQUIREMENTS: COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS FOR SEISMIC BRACING OF CEILING SUSPENSION SYSTEM, AND WITH ASTM E580.
- E. SUBMITTALS: SUBMIT PRODUCT DATA, SHOP DRAWINGS INDICATING LAYOUT, AND SAMPLES OF GRID, TRIM, AND CEILING UNITS.
- F. INSTALLER: FIRM WITH MINIMUM THREE YEAR'S SUCCESSFUL EXPERIENCE IN PROJECTS OF SIMILAR TYPE AND SCOPE; ACCEPTABLE TO MANUFACTURER OF ACUSTICAL UNITS.
- G. PROJECT CONDITIONS: DO NOT INSTALL CEILINGS UNTIL BUILDING IS ENCLOSED, SUFFICIENT HEAT IS PROVIDED, DUST GENERATING ACTIVITIES HAVE TERMINATED AND OVERHEAD MECHANICAL WORK IS COMPLETED, TESTED AND APPROVED; ALLOW WET WORK TO DRY PRIOR TO INSTALLATION.
- H. ACUSTICAL UNITS: TYPES AND MANUFACTURERS AS INDICATED ON DRAWINGS.
- I. SUSPENSION SYSTEM AS INDICATED ON DRAWINGS.
- J. PREPARATION: MEASURE CEILING AREA AND ESTABLISH LAYOUT OF ACUSTICAL UNITS TO BALANCE BORDER WIDTHS AT OPPOSITE EDGES OF EACH CEILING; DO NOT USE LESS THAN HALF WIDTH UNITS AT BORDERS.
- COORDINATE WITH OTHER WORK SUPPORTED BY OR PENETRATING THROUGH CEILINGS, INCLUDING LIGHT FIXTURES, HVAC EQUIPMENT AND PARTITION SYSTEMS.
- K. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, ASTM C636, AND APPLICABLE REQUIREMENTS FOR FIRE RATINGS.
- FINISHED CEILINGS: TRUE TO LINES AND LEVELS AND FREE FROM WARPED, SOILED OR DAMAGED GRID OR ACUSTICAL UNITS.
 - INSTALL CEILING SYSTEMS IN A MANNER CAPABLE OF SUPPORTING SUPERIMPOSED LOADS, WITH MAXIMUM PERMISSIBLE DEFLECTION OF 1/8" IN 10'-0".
 - ENSURE SUSPENSION SYSTEM IS LOCATED TO ACCOMMODATE FITTINGS AND UNITS OF EQUIPMENT WHICH IS TO BE PLACED AFTER INSTALLATION OF CEILING GRID.
 - WHERE DUCTS OR OTHER EQUIPMENT PREVENT REGULAR SPACING OF HANGERS, REINFORCE NEAREST ADJACENT HANGERS AND RELATED CARRYING CHANNELS AS REQUIRED TO SPAN REQUIRED DISTANCE.
 - INSTALL EDGE MOLDS AT INTERSECTION OF CEILING AND VERTICAL SURFACES, USING MAXIMUM LENGTHS, STRAIGHT, TRUE TO LINE AND LEVEL; MITER CORNERS.
 - FIT ACUSTIC UNITS IN PLACE, FREE FROM DAMAGED EDGES OR DEFECTS DETRIMENTAL TO APPEARANCE AND FUNCTION; LAY DIRECTIONALLY PATTERNED UNITS ONE WAY WITH PATTERN AS DIRECTED; FIT BORDER UNITS NEATLY AGAINST ADJUTING SURFACES.
 - INSTALL UNITS LEVEL, IN UNIFORM PLANE AND FREE FROM TWIST, WARP AND DENTS.
 - INSTALL HOLD-DOWN CURBS WHERE REQUIRED BY APPLICABLE CODES AND WHERE CEILING IS WITHIN 20'-0" OF AN EXTERIOR DOOR.
 - ADJUSTMENT: ADJUST SAGS OR TWISTS WHICH DEVELOP IN CEILING SYSTEM AND REPLACE ANY PART WHICH IS DAMAGED OR FAULTY.

SECTION 09640 – WOOD FLOORING

- SECTION 09650 – RESILIENT TILE FLOORING**
- A. GENERAL: PROVIDE RESILIENT TILE FLOORING SYSTEM AND RESILIENT BASE, WITH ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.
- B. SUBMITTALS: FURNISH PRODUCT DATA AND SAMPLES OF EACH TYPE OF FLOORING AND BASE COLOR AND PATTERN SELECTED.
- C. PROJECT CONDITIONS: ENSURE FLOOR SURFACES ARE SMOOTH AND FLAT WITH MAXIMUM VARIATION OF 1/8" IN 10'-0". ENSURE CONCRETE FLOORS ARE DRY AND EXHIBIT NEGATIVE ALCALINITY, CARBONATING AND DUSTING.
- D. VINYL SHEET FLOORING: NOMINAL 0.080" THICK VINYL SHEET CONFORMING TO FS L-F-475, TYPE II, GRADE A; COLOR AS INDICATED, AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS WHERE NOT OTHERWISE INDICATED.
- MANUFACTURERS: ARMOSTRONG, LONSEAL, OR VPI FLOOR PRODUCTS.
 - FLAMMABILITY: 0.45 WATTS/SQ.CM. OR HIGHER, ASTM E648.
- E. INTEGRAL BASE ACCESSORIES: PROVIDE MANUFACTURER'S STANDARD COE SUPPORT STRIPS AND FINISHED METAL TOP EDGE STRIPS; TYPE AND COLORS AS SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
- F. EDGE STRIPS AND ACCESSORIES: RUBBER OR VINYL EDGE STRIPS MATCHING RESILIENT FLOORING.
- G. SUBFLOOR FILLER: WHITE PREMIXED LATEX-CEMENT PASTE DESIGNED FOR PROVIDING THIN SOLID SURFACE FOR LEVELING AND MINOR RAMPING OF SUBSURFACE TO ADJACENT FLOOR FINISHES. USE MATERIAL CAPABLE OF BEING APPLIED AND FEATHERED OUT TO ADJACENT FLOOR WITHOUT SPALLING.
- H. PRIMER AND ADHESIVES: WATERPROOF NONTOTOX TYPES AS RECOMMENDED BY FLOORING MANUFACTURER FOR SPECIFIED MATERIAL AND APPLICATION.
- I. SEALER AND WAX: TYPE RECOMMENDED BY FLOORING MANUFACTURER FOR MATERIAL TYPE AND LOCATION.
- J. PREPARATION: CONFORM WITH ASTM F710 AND MANUFACTURER'S RECOMMENDATIONS FOR PREPARATION; REMOVE SUBFLOOR RIDGES AND BUMPS; FILL LOW SPOTS, CRACKS, JOINTS, HOLES AND DEFECTS WITH SUBFLOOR FILLER.
- K. INSTALLATION: COMPLY WITH FLOORING AND BASE MANUFACTURER RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS; SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER FOR FULL ADHESION; SCRIBE TO FLOORING WITH MINIMUM SEAMS, WITH PATTERN PARALLEL TO BUILDING LINES TO PRODUCE SYMMETRICAL PATTERN; TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR OPENINGS WHERE ADJACENT FLOOR FINISH IS DISSIMILAR; INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES OF FLOORING.
- L. INTEGRAL COE BASE: PROVIDE INTEGRAL COVERED BASE INCLUDING COE SUPPORT STRIP OR FILLER AND METAL TOP EDGE STRIP; INSTALL TOP EDGE STRIP LEVEL WITH FLOOR LINES, WITH TIGHTLY BUTTED JOINTS, MITERED CORNERS; USE LONGEST TOP EDGE PIECES AVAILABLE; MINIMUM 48" BETWEEN JOINTS.
- M. MAKING: CLEAN, SEAL AND WAX FLOOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- N. CLEANING: REMOVE EXCESS ADHESIVE FROM FLOOR, BASE AND WALL SURFACES.

EDIT/ CHANGE

SECTION 09655 – RESILIENT SHEET FLOORING

- A. GENERAL: PROVIDE RESILIENT SHEET FLOORING WITH ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.
- B. SUBMITTALS: FURNISH PRODUCT DATA AND SAMPLES OF EACH TYPE OF FLOORING COLOR AND PATTERN SELECTED AND EACH TYPE OF EXPOSED INTEGRAL BASE ACCESSORY.
- C. PROJECT CONDITIONS: ENSURE FLOOR SURFACES ARE SMOOTH AND FLAT WITH MAXIMUM VARIATION OF 1/8" IN 10'-0". ENSURE CONCRETE FLOORS ARE DRY AND EXHIBIT NEGATIVE ALCALINITY, CARBONATING AND DUSTING.
- D. VINYL SHEET FLOORING: NOMINAL 0.080" THICK VINYL SHEET CONFORMING TO FS L-F-475, TYPE II, GRADE A; COLOR AS INDICATED, AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS WHERE NOT OTHERWISE INDICATED.
- MANUFACTURERS: ARMOSTRONG, LONSEAL, OR VPI FLOOR PRODUCTS.
 - FLAMMABILITY: 0.45 WATTS/SQ.CM. OR HIGHER, ASTM E648.
- E. INTEGRAL BASE ACCESSORIES: PROVIDE MANUFACTURER'S STANDARD COE SUPPORT STRIPS AND FINISHED METAL TOP EDGE STRIPS; TYPE AND COLORS AS SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
- F. EDGE STRIPS AND ACCESSORIES: RUBBER OR VINYL EDGE STRIPS MATCHING RESILIENT FLOORING.
- G. SUBFLOOR FILLER: WHITE PREMIXED LATEX-CEMENT PASTE DESIGNED FOR PROVIDING THIN SOLID SURFACE FOR LEVELING AND MINOR RAMPING OF SUBSURFACE TO ADJACENT FLOOR FINISHES. USE MATERIAL CAPABLE OF BEING APPLIED AND FEATHERED OUT TO ADJACENT FLOOR WITHOUT SPALLING.
- H. PRIMER AND ADHESIVES: WATERPROOF NONTOTOX TYPES AS RECOMMENDED BY FLOORING MANUFACTURER FOR SPECIFIED MATERIAL AND APPLICATION.
- I. SEALER AND WAX: TYPE RECOMMENDED BY FLOORING MANUFACTURER FOR MATERIAL TYPE AND LOCATION.
- J. PREPARATION: CONFORM WITH ASTM F710 AND MANUFACTURER'S RECOMMENDATIONS FOR PREPARATION; REMOVE SUBFLOOR RIDGES AND BUMPS; FILL LOW SPOTS, CRACKS, JOINTS, HOLES AND DEFECTS WITH SUBFLOOR FILLER.
- K. INSTALLATION: COMPLY WITH FLOORING AND BASE MANUFACTURER RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS; SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER FOR FULL ADHESION; SCRIBE TO FLOORING WITH MINIMUM SEAMS, WITH PATTERN PARALLEL TO BUILDING LINES TO PRODUCE SYMMETRICAL PATTERN; TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR OPENINGS WHERE ADJACENT FLOOR FINISH IS DISSIMILAR; INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES OF FLOORING.
- L. INTEGRAL COE BASE: PROVIDE INTEGRAL COVERED BASE INCLUDING COE SUPPORT STRIP OR FILLER AND METAL TOP EDGE STRIP; INSTALL TOP EDGE STRIP LEVEL WITH FLOOR LINES, WITH TIGHTLY BUTTED JOINTS, MITERED CORNERS; USE LONGEST TOP EDGE PIECES AVAILABLE; MINIMUM 48" BETWEEN JOINTS.
- M. MAKING: CLEAN, SEAL AND WAX FLOOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- N. CLEANING: REMOVE EXCESS ADHESIVE FROM FLOOR, BASE AND WALL SURFACES.

EDIT/ CHANGE

SECTION 09900 – PAINTS AND COATINGS

- A. GENERAL: PROVIDE PAINTING OF EXPOSED ITEMS AND SURFACES NOT PREFINISHED, AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.
- B. SUBMITTALS: SUBMIT PRODUCT DATA, AND SAMPLES OF EACH TYPE OF PAINTING, PREFINISHED ITEMS; CONCEALED AND INACCESSIBLE AREAS, CODE-REQUIRED LABELED.
- C. STANDARDS: PROVIDE MATERIALS APPROVED FOR USE BY APPLICABLE AIR QUALITY MANAGEMENT DISTRICT FOR LIMITATIONS OF VOLATILE ORGANIC COMPOUNDS FOR ARCHITECTURAL COATINGS.

- D. SUBMITTALS: FURNISH PRODUCT DATA AND SAMPLES.
- Duplicate painted finishes of approved samples on actual wall surfaces and components for approval prior to commencing work.
 - Delivery: Deliver materials to job site in original, new and unopened packages and containers bearing manufacturer's name and label.
 - Manufacturers: Sherwin-Williams or Benjamin Moore.
- G. MATERIAL QUALITY: PROVIDE TOP LINE QUALITY COMMERCIAL GRADE (PROFESSIONAL PAINTER) MATERIALS; MATERIALS NOT BEARING MANUFACTURER'S IDENTIFICATION AS A BEST-GRADE PRODUCT SHALL NOT BE ACCEPTABLE.
- Primers: Provide premium grade primers recommended by paint manufacturer for substrates indicated and for finish systems specified.
 - Undercoats and barrier coats: Provide undercoat paints produced by same manufacturer as finish coats; use only thinners approved by paint manufacturer, and use only when recommended limits.
 - Finish coats: Provide finish coats capable of being washed with mild detergent without loss of color, sheen, or pigments.
 - Finish coat coordination: Provide finish coats which are compatible with prime paints, undercoats, and barrier coats used.
 - Volatile organic compounds: Provide materials with minimal volatile organic compounds (VOC); comply with applicable regulations.
- H. COLORS AND FINISHES: PURE, NON-FADING, APPLICABLE TYPES TO SUIT SERVICE INDICATED; NO LEAD CONTENT PERMITTED.
- Prior to commencement of painting work, architect will furnish color chips for surfaces to be painted.
- I. PREPARATION: PERFORM PREPARATION AND CLEANING PROCEDURES IN ACCORDANCE WITH PAINT MANUFACTURER'S INSTRUCTIONS AND AS SPECIFIED FOR SUBSTRATE CONDITION.
- Examine areas and conditions under which painting work is to be applied. Start of painting work indicates acceptance of surfaces and conditions of substrates for surface with no further preparatory area.
 - Remove hardware, accessories, and items in place and not to be painted, or provide protection prior to surface preparation and painting; after painting re-install removed items.
- J. APPLICATION: APPLY PAINT IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS; USE APPLICATIONS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED.
- Apply additional coats when stains or blemishes show through final coat, until paint is a uniform finish, color and appearance.
 - Paint doors on tops, bottoms and side edges same as faces.
 - Provide extra attention to assure dry film thickness at corners and crevices is equivalent to that of flat surfaces.
 - Paint surfaces behind movable equipment and furniture same as similar exposed surfaces; paint surfaces behind permanently-fixed equipment and furniture with prime coat only.
 - Paint interior surfaces of ducts, where visible through registers or grilles, with a flat, non-reflective black paint.
 - Paint back sides of access panels and removable or hinged covers to match exposed surfaces.
 - Paint doors on tops, bottoms and side edges same as faces.
 - Sand lightly between each succeeding enamel and each varnish coat.
- K. SCHEDULING PAINTING: APPLY FIRST COAT TO SURFACES THAT HAVE BEEN CLEANED, PRETREATED OR PREPARED FOR PAINTING AS SOON AS PRACTICABLE AFTER PREPARATION. ALLOW TIME BETWEEN SUCCESSIVE COATINGS TO PERMIT PROPER DRYING. DO NOT RECOAT UNTIL PAINT FEELS FIRM AND DOES NOT DEFORM OR FEEL STICKY UNDER MODERATE THUMB PRESSURE.
- L. MINIMUM COATING THICKNESS: APPLY MATERIALS AT NOT LESS THAN MANUFACTURER'S RECOMMENDED SPREADING RATE, TO ESTABLISH A TOTAL DRY FILM THICKNESS AS RECOMMENDED BY COATING MANUFACTURER.
- M. PRIME COATS: APPLY TO ITEMS NOT PREVIOUSLY PRIMED; RECOAT PRIMED AND SEALED SURFACES WHERE THERE IS EVIDENCE OF SUCTION SPOTS OR UNSEALED AREAS IN FIRST COAT.
- N. FINISH COATS: PROVIDE EVEN TEXTURE; LEAVE NO LAPS, IRREGULARITY IN TEXTURE, SKID MARKS, OR OTHER DEFECTS.
- O. PAINT SYSTEMS: PROVIDE MINIMUM TWO COAT PLUS PRIMER SYSTEMS.
- EXT. PAINTED METAL: SEMI-GLOSS 100 % ACRYLIC.
 - GYPSUM BOARD WALLS: EGGSHELL (SATIN) LATEX EMULSION.
 - BOARD CEILING: WHITE LATEX EMULSION.
 - TOILET ROOM WALLS AND CEILINGS: SEMI-GLOSS ACRYLIC ENAMEL.
 - INT. PAINTED METAL: SEMI-GLOSS 100 % ACRYLIC.
 - GRADE PAINTED WOOD: SEMI-GLOSS 100 % ACRYLIC.
 - CONCRETE FLOORS: CLEAR PENETRATING SEAL; ONE COAT SYSTEM ACCEPTABLE.
 - FLOOR STRIPES: TRAFFIC BEARING, NON-SLIP STRIPE PAINT; ONE COAT SYSTEM ACCEPTABLE.
- P. SHEENS: COMPLY WITH ASTM D523, REFLECTANCE OF PAINT.
- Q. CLEAN-UP: DURING PROGRESS OF WORK, REMOVE DISCARDED MATERIALS, RUBBISH, CANS AND RAGS FROM SITE AT END OF EACH WORK DAY.
- Clean glass and paint-sprattered surfaces immediately by proper methods of washing and scraping, using care not to scratch or damage finished surfaces.
 - Remove temporary protective wrappings provided by others for protection of their work, after completion of painting operations.
- R. REPAIR: AT COMPLETION OF WORK OF OTHER TRADES, TOUCH-UP AND RESTORE DAMAGED SURFACES OR DEFACED PAINTED SURFACES.

DIVISION TEN: SPECIALTIES

EDIT/ CHANGE

SECTION 10810 – TOILET ACCESSORIES

- A. GENERAL: PROVIDE TOILET ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.
- B. CODES AND REGULATIONS: COMPLY WITH STATE AND FEDERAL REQUIREMENTS FOR ENSURING ACCESS FOR PERSONS WITH DISABILITIES.
- C. SUBMITTALS: SUBMIT PRODUCT DATA.
- D. MANUFACTURERS: BOROCK, BRADLEY, OR AMERICAN SPECIALTIES.
- E. TYPES: STAINLESS STEEL ACCESSORIES AS INDICATED ON DRAWINGS; PROVIDE GRAB BARS WITH CONCEALED MOUNTING, SIZES AND SHAPES AS INDICATED AND AS REQUIRED BY APPLICABLE CODES AND REGULATIONS.
- F. MATERIALS: STAINLESS STEEL, ASTM A666, COMMERCIAL GRADE, TYPE 302/304, MINIMUM SATIN FINISH, SATIN CHROME ACCEPTABLE WHERE STAINLESS STEEL IS NOT AVAILABLE FOR ACCESSORY ITEM SCHEDULED; GAGES AS STANDARD WITH MANUFACTURER OF SPECIFIED ITEMS.
- G. SURFACES: SCREWS AND BOLTS: HOT DIP GALVANIZED, AS RECOMMENDED BY ACCESSORY MANUFACTURER FOR COMPONENT AND SUBSTRATE.
- H. CONCEALED SURFACES: PRETREAT AND CLEAN, SPRAY APPLY ONE COAT PRIMER AND ENAMEL FINISH.
- I. FABRICATION: WELD AND GRIND SMOOTH JOINTS OF FABRICATED COMPONENTS; FORM EXPOSED SURFACES FROM ONE SHEET OF STOCK, FREE OF JOINTS.
- Fabricate units with tight seams and joints; exposed edges rolled; hang doors and access panels with continuous piano hinges; provide concealed anchorage where possible.
 - Provide steel anchor plates and anchor components for installation.

DIVISION ELEVEN: EQUIPMENT (NOT USED)
DIVISION TWELVE: FURNISHINGS (NOT USED)
DIVISION THIRTEEN: SPECIAL CONSTRUCTION (NOT USED)
DIVISION FOURTEEN: CONVEYING SYSTEMS (NOT USED)

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△	CONSTRUCTION DOCUMENTS SUBMITTAL	??-??-2012

Job Number: ???? Checked by: ????
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CONDITIONS AND SPECIFICATIONS

SCALE: NONE
 ISSUE DATE: ??-??-2012

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**INCLUDE 3D DESIGN RENDERINGS OF THE KIOSK - MULTI VIEWS TO
SHOW ALL ITS SIDES FOR EASY REFERENCE TO DRAWINGS & DETAILS**

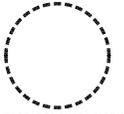
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SCALE: NOT APPLICABLE
ISSUE DATE: ??-??-2012

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SHEET A1.0**

KEYNOTE LEGEND :

EDIT/ CHANGE

EDIT/ CHANGE

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EDIT/ CHANGE

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

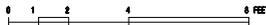
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EDIT/ CHANGE

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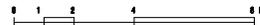
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EDIT/ CHANGE

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

ADD "EXTERIOR ELEVATION" - VIEW 4

EDIT/ CHANGE

2 KIOSK EXTERIOR - FRONT ELEV.  6 FEET
SCALE: 1/2" = 1'-0"

ANCHORING/ SEISMIC CONNECTION DETAILS

EDIT/ CHANGE

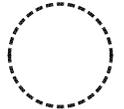
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EXTERIOR ELEVATIONS

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KEYNOTE LEGEND :

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EDIT/ CHANGE

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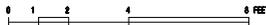
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EDIT/ CHANGE

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

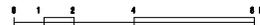
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EDIT/ CHANGE

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

ADD "INTERIOR ELEVATION" - VIEW 4

EDIT/ CHANGE

2 KIOSK INTERIOR - FRONT ELEV.  6 FEET
SCALE: 1/2" = 1'-0"

MISC. CABINERY & CONSTRUCTION DETAILS

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ADD CABINET SECTION

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1. SECTION AT ?????
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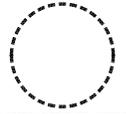
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△	SCHEMATIC DESIGN SUBMITTAL	??-??-2012
△	CONSTRUCTION DOCUMENTS SUBMITTAL	??-??-2012

Job Number : ????

Checked by : ????

Drawn by : ????

Approved by : ????

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SHEET TITLE :

CABINERY DETAILS

SCALE : 1" = 1'-0"
ISSUE DATE : ??-??-2012

EDIT/ CHANGE
SHEET A3.0

KEYNOTE LEGEND :

EDIT/ CHANGE

MATERIAL & FINISH RATINGS - PER CBC, SECTION 803

- ◆ APPLIED INTERIOR CEILING AND WALL FINISHES IN TARE LIMITED TO CLASS "A" MATERIALS, WITH A MAXIMUM FLAME-SPREAD INDEX OF 0-25 AND A MAXIMUM SMOKE DEVELOPED INDEX OF 0-450 - PER CBC 803.11
- ◆ STABILITY - INTERIOR FINISH MATERIALS REGULATED BY THIS CHAPTER SHALL BE APPLIED OR OTHERWISE FASTENED IN SUCH A MANNER THAT SUCH MATERIALS WILL NOT READILY BECOME DETACHED WHEN SUBJECTED TO ROOM TEMPERATURES OF 200F (93C) FOR NOT LESS THAN 30 MINUTES - PER CBC SECT. 803.2
- ◆ FIRE-RETARDANT COATINGS THE REQUIRED FLAME SPREAD OR SMOKE-DEVELOPED INDEX OF SURFACES IN EXISTING BUILDINGS SHALL BE ALLOWED TO BE ACHIEVED BY APPLICATION OF APPROVED FIRE-RETARDANT COATINGS, PAINTS OR SOLUTIONS TO SURFACES HAVING A FLAME SPREAD INDEX EXCEEDING THAT ALLOWED. SUCH APPLICATIONS SHALL COMPLY WITH NFPA 703 AND THE REQUIRED FIRE-RETARDANT PROPERTIES SHALL BE MAINTAINED OR RENEWED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS - PER CBC SECT. 803.4
- ◆ FIRE-RETARDANT TREATED WOOD IS ANY WOOD PRODUCT WHICH WHEN IMPREGNATED WITH CHEMICALS BY A PRESSURE PROCESS OR OTHER MEANS DURING MANUFACTURE, SHALL HAVE, WHEN TESTED IN ACCORDANCE WITH ASTM E 84, A LISTED FRAME SPREAD INDEX OF 25 OR LESS AND SHOW NO SIGNIFICANT PROGRESSIVE COMBUSTION WHILE THE TEST IS CONTINUED FOR AN ADDITIONAL 20-MINUTE PERIOD. IN ADDITION, THE FLAME FRONT SHALL NOT PROGRESS MORE THAN 135 FEET (40.230 MM) BEYOND THE CENTERLINE OF THE BURNERS AT ANYTIME DURING THE TEST.
- ◆ SITE-FABRICATED STRETCH SYSTEMS, WHERE USED AS NEWLY INSTALLED INTERIOR WALL OR INTERIOR CEILING FINISH MATERIALS, SITE-FABRICATED STRETCH SYSTEMS SHALL BE TESTED IN THE MANNER INTENDED FOR USE, AND SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 803.11 OR 803.12 IF THE MATERIALS ARE TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, SPECIMEN PREPARATION AND MOUNTING SHALL BE IN ACCORDANCE WITH ASTM E 2573 - PER CBC, SECTION 803.3

ADD ANY ADDITIONAL CODE REFERENCES/ NOTES AS MAY BE REQUIRED AS PPLICABLE.

EDIT/ CHANGE

ADD SPECIFICATIONS AND DATA SHEET SAMPLES FROM MANUFACTURERS, TESTING AGENCIES OR CODE APPROVED RESEARCH REPORTS FOR MATERIALS AND FINISHES USED.

EDIT/ CHANGE

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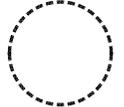
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SHEET TITLE :

FINISHES & MATERIALS SPECS & RATING DATA

SCALE : N/A
 ISSUE DATE : ??-??-2012

EDIT/ CHANGE SHEET A4.0

ELECTRICAL NOTES

- CONTRACTOR SHALL APPLY FOR ALL PERMITS AND INSPECTION REQUIRED BY LEGAL AUTHORITIES.
- ALL WORKS AND MATERIALS SHALL BE IN FULL COMPLIANCE WITH THE LATEST AND MOST STRINGENT APPLICABLE CODE OR REGULATION.
- CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR ANY ADDITIONAL COSTS FOR MATERIAL OR LABOR TO COMPLY WITH THESE CODES OR REGULATIONS.
- CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITION OF THE PREMISES ON WHICH THE WORK IS PERFORMED AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE CONTRACT.
- ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE LISTED, LABELED AND INSTALLED PER RECOGNIZED ELECTRICAL TESTING LABORATORY OR AGENCY.
- ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER.
- DESIGN DRAWINGS ARE DIAGRAMMATIC ONLY AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION CONDITIONS WILL PERMIT.
- NOTHING ON THIS DESIGN DRAWING SHALL BE DEEMED AS TO VIOLATE THE LATEST AND MOST STRINGENT APPLICABLE CODES OR REGULATIONS.
- ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER FOR CLARIFICATION OR CORRECTION DURING BIDDING PROCESS.
- ALL OPENINGS AROUND ELECTRICAL PENETRATIONS THRU FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS AS DETERMINED BY CODE OR REGULATION.
- ITEMS INDICATED ON THESE PLANS SHALL BE FURNISHED, INSTALLED AND CONNECTED WITH ALL REQUIRED ACCESSORIES AND PERMITS (EVEN IF NOT INDICATED FOR A COMPLETE FUNCTIONAL, OPERATIONAL SYSTEM, THE INFORMATION GIVEN IS NOT LIMITED TO EXACT LOCATION AND POINT OF CONNECTION AND THE NUMBER OF CONNECTIONS, AND THE CONNECTORS, AND THE COORDINATION WITH OTHER TRADES.
- ALL GROUNDING SHALL BE IN FULL COMPLIANCE WITH NATIONAL ELECTRICAL CODE. INCOMING SERVICE SHALL BE PER UTILITY GROUNDING COMPANY REQUIREMENTS.
- UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PIPE WITH SCHEDULE 40 PVC BENDS AND STEEL RISERS. ALL UNDERGROUND CONDUITS SHALL CONTAIN A GROUND CONDUCTOR AND SHALL BE SIZED PER CODE REQUIREMENT.
- ALL PANELS SHALL BE PANELBOARD WITH BOLT-ON TYPE CIRCUIT BREAKERS UNLESS NOTED AS LEAD TERMINALS WHICH ARE PLUG-IN TYPE BREAKERS.
- ALL RUSSED DISCONNECTS SHALL BE FUSED PER NAMEPLATE UNLESS NOTED.
- CONTRACTOR SHALL SUBMIT CATALOG CUTS OF MAIN SWITCH BOARDS BEFORE PLACING ORDERS AND PURCHASE.
- ALL CONDUCTORS SHALL BE COPPER TYPE THW, THWN, XHHW, THHN 600V INSULATION UNLESS OTHERWISE NOTED.
- ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE.
- ALL CONDUITS SHALL BE RIGID CONDUIT OR EMT. MINIMUM CONDUIT SHALL BE SUPPORTED ACCORDING TO CODE. ALL DUPTY CONDUITS SHALL BE RIGID. FLEXIBLE METAL CONDUIT TYPE (FMC) SHALL BE PERMITTED TO BE USED PER 2008 NEC ARTICLE 348.
- FLEXIBLE CONDUITS SHALL BE USED FOR FINAL CONNECTION TO MOTORS AND OTHER VIBRATING EQUIPMENT. EXPANSION COUPLINGS SHALL BE USED AT BUILDING EXPANSION JOINTS. CONTRACTOR TO INSTALL FLEXIBLE CONDUIT WHERE FLEXIBILITY TO EQUIPMENT OR LOAD IS REQUIRED. FOLLOW NEC AND BUILDING DESIGN CRITERIA FOR FURTHER REQUIREMENTS.
- NON METALLIC BUSHINGS OR INSULATED METALLIC BUSHINGS SHALL BE PROVIDED FOR ALL CONDUIT TERMINATION.
- ALL LIGHTING FIXTURES AS SPECIFIED ARE OR APPROVED EQUAL. CATALOG CUTS OF SUBSTITUTIONS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL BEFORE CONSTRUCTION.
- PROVIDE ILLUMINATED EXIT SIGNS AS REQUIRED WITH SELF CONTAINED EMERGENCY BATTERY PACK AS ACCEPTED BY FIRE MARSHAL.
- PULL BOXES OR JUNCTION BOXES ARE REQUIRED TO BE MINIMUM TWELVE (12) GAUGE GALVANIZED STEEL. BOXES IN WALL SHALL BE GALVANIZED PRESSED STEEL OR CAST METAL. GASKET AROUND BOXES TO ELIMINATE NOISE TRANSMISSION. PLASTER RINGS SHALL BE PROVIDED FOR ALL FLUSH MOUNTED BOXES. PLASTER ELECTRICAL BOXES OF ANY KIND WILL NOT BE ALLOWED.
- IF THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL THINGS REQUIRED TO MAKE A COMPLETE AND OPERATIVE SYSTEM CONTRACTOR SHALL FURNISH ALL LABOR MATERIALS, EQUIPMENT, OR MISCELLANEOUS SERVICE REQUIRED TO ACCOMPLISH THIS RESULT.
- CONTRACTOR SHALL BID THE PROJECT AS INDICATED AND SPECIFIED ON THE DRAWINGS WHEN SUBSTITUTING MATERIALS OR EQUIPMENT OTHER THAN AS SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT CATALOG CUTS AND AMOUNT OF CREDIT FOR SUBSTITUTION TO BID, FOR APPROVAL.
- ALL NOTES AND SCHEDULES LISTED ON DRAWINGS OF OTHER SECTIONS OF THIS PROJECT WITH REFERENCE TO ELECTRICAL CONTRACTOR OR ELECTRICIAN APPLY TO THIS SECTION OF CONTRACT.
- ALL ELECTRICAL WORK NOTED ON AC AND PLUMBING DRAWINGS TO BE DONE UNDER THIS SECTION.
- SUBMIT 4 COPIES OF SHOP DRAWINGS FOR APPROVAL WITHIN 30 DAYS OF AWARD OF CONTRACT. CONTRACTOR SHALL VERIFY DIMENSIONS OF EQUIPMENT AND MAKE SURE THEY COMPLY WITH ALL APPLICABLE CODE REQUIREMENTS RELATING TO CLEAR WORK SPACE AROUND EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS.
- SUBMIT 4 COPIES OF MATERIAL LIST FOR APPROVAL WITHIN 30 DAYS OF AWARD OF THE CONTRACT. THE RIGHT IS RESERVED TO SUBMITTAL OF ANY SAMPLES OF FURNISHED MATERIAL, IF DEEMED NECESSARY BY THE OWNER.
- SUBSTITUTION OF ANY MATERIAL OR EQUIPMENT SHALL BE APPROVED BY ARCHITECT BEFORE INSTALLATION.
- BEFORE FINAL ACCEPTANCE OF WORK CONTRACTOR IS TO INURE ALL EQUIPMENT SYSTEMS ARE INSTALLED AND FUNCTIONING PROPERLY BY PERFORMING REQUIRED FIELD TESTS.
- EXTEND MIN 2" TELEPHONE CONDUIT TO TELEPHONE BACKBOARD UNLESS NOTED OTHERWISE.
- THIRD PARTY CERTIFICATION: ALL PACKAGED EQUIPMENT SHALL BE INDEPENDENTLY THIRD PARTY LABELED AS A SYSTEM FOR ITS INTENDED USE BY A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) IN ACCORDANCE WITH OSHA FEDERAL REGULATIONS 29CFR1910.333 AND 389, AS WELL AS NFPA 70E PART 470 NATIONAL ELECTRICAL CODE NEC ARTICLE 90.7.
- AS PER NEC APPROPRIATE CONDUIT AND WIRE TYPE SHALL BE USED FOR WET LOCATIONS, HAZARDOUS LOCATIONS, CORROSIVE ENVIRONMENT OR SIMILAR SPECIAL CONDITIONS.
- ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE TYPE WRITTEN IDENTIFICATION DIRECTORY CARD IN EACH ELECTRICAL PANEL IDENTIFYING ALL BRANCH CIRCUITS.
- ALL WIRING OF ANY MUST BE INSTALLED IN CONDUIT OR MUST BE ARMORED CABLE BOX. ARMORED CABLE WILL ONLY BE ALLOWED ON CONCEALED BRANCH CIRCUIT WIRING WITHIN THE DENIED PREMISES EXPOSED AND/OR OPEN WIRING OF ANY KIND WILL NOT BE ALLOWED.
- IF IS THE ELECTRICAL CONTRACTOR RESPONSIBILITY TO PROPERLY BALANCE ALL CIRCUITS BETWEEN PHASES OF THE SYSTEM REGARDLESS OF CIRCUITING INDICATED.
- A NEUTRAL FAULT TEST IS REQUIRED PRIOR TO ENERGIZING CIRCUITS.

SYMBOL & LEGEND

SYMBOLS	DESCRIPTION
	DUPLEX RECEPTACLE 20A-150V, 2W GROUNDING TYPE, +1F AFF. LIGN.
	DUPLEX RECEPTACLE 20A-150V, 2W GROUND FAULT CIRCUIT INTERRUPTER, +1F AFF. LIGN.
	QUADPLEX RECEPTACLE 20A-150V, 2W GROUND FAULT INTERRUPTION TYPE, +1F AFF. LIGN.
	DUPLEX RECEPTACLE 20A-150V, 2W + ISOLATED GROUND TYPE, +1F AFF. LIGN.
	QUADPLEX RECEPTACLE 20A-150V, 2W + ISOLATED GROUND TYPE, +1F AFF. LIGN.
	SINGLE RECEPTACLE 20A-150V, 2W GROUNDING TYPE, +1F AFF. LIGN.
	DUPLEX RECEPTACLE 20A-150V, 2W GROUNDING TYPE, +1F AFF. LIGN. TWSTLOOK RECEPTACLE
	DUPLEX RECEPTACLE 20A-150V, 2W GROUNDING TYPE, CEILING MTD. LIGN.
	SINGLE RECEPTACLE 20A-200V GROUNDING TYPE, +1F AFF. LIGN.
	TELEPHONE OUTLET WITH 3/4" CONDUIT TO TEL. BACKBOARD, +1F AFF. LIGN.
	COMPUTER DATA OUTLET WITH 3/4" CONDUIT TO DATA LINE TERMINAL, +1F AFF. LIGN.
	COMBINATION TELEPHONE & DATA OUTLET, +1F AFF. LIGN. WITH 3/4" CONDUIT TO DATA TERMINAL AND TELEPHONE BACKBOARD.
	TELEVISION OUTLET WITH 3/4" CONDUIT TO TELEVISION TERMINAL, +1F AFF. LIGN.
	TOGGLE SWITCH 20A-150V FLUSH MOUNT AT 4" OR AS NOTED. SUBSCRIPT: A-TYPICAL SUBSCRIPTS: THE FOLLOWING: 2 - DOUBLE POLE K - KEY 1 - MANUAL TIME D - DIMMER 3 - THREE WAY P - FLOOT LIGHT O - OCCUPANCY SENSOR SWITCH 4 - FOUR WAY A, B, C, D - RECITURES CONTROLLED & QUANTITY OF SWITCHES
	DISCONNECT SWITCH WITH FUSED AS NOTED
	DISCONNECT SWITCH NON-FUSED
	MOTOR OUTLET
	MD: MAIN DISTRIBUTION PANEL
	LIGHTING OR APPLIANCE PANEL
	PLYWOOD BACKBOARD FOR MAIN TELEPHONE TERMINATION
	CONDUIT RUN CONCEALED BELOW FLOOR OR GRADE WITH 1/2" CONDUIT-2M2 UNLESS OTHERWISE NOTED.
	CONDUIT RUN CONCEALED ABOVE CEILING OR WALLS WITH 1/2" CONDUIT-2M2 +1F2 GND. UNLESS OTHERWISE NOTED.
	1/2" CONDUIT-3M2 + 1/2 GND. LIGN.
	3/4" CONDUIT-4M2 + 1/2 GND. LIGN.
	3/4" CONDUIT-4M2 + 1/2 GND. LIGN.
	CONDUIT RUN EXPOSED
	TELEPHONE CONDUIT 2" MINIMUM LIGN.
	CONDUIT STUB-UP
	CONDUIT STUB-DOWN
	HOMERUN TO PANEL. HATCH MARKS INDICATE NUMBER OF #12 WIRES IN CODE SIZE CONDUITS LIGN.
	JUNCTION BOX
	THERMOSTAT
	METER
	MAIN SERVICE SWITCHBOARD
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION
CG	CONDUIT ONLY
HP	HORSE POWER
WP	WEATHER PROOF
N	NEW
E	EXISTING

SPECIFIC NOTES:

- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. DO NOT SCALE. THE ELECTRICAL DRAWING FOR LOCATION OF ANY ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING ITEMS OR FEATURES. REFER TO EACH RESPECTIVE DRAWINGS FOR EXACTNESS OF INFORMATION.
- IF ANY DISCREPANCY WILL OCCUR BETWEEN ELECTRICAL AND ARCHITECTURAL DRAWINGS, THEN THE ARCHITECTURAL WILL GOVERN.
- ALL WORK SHALL BE PER LATEST CALIFORNIA BUILDING FIRE AND ELECTRICAL CODE ALONG WITH ALL APPLICABLE LOCAL AND STATE LAWS AND REGULATIONS.
- SUFFICIENT ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT TO PERMIT READY AND SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT AS REQUIRED PER CEC. 10.26.

NOTES:

ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE LANDLORDS' DESIGN CRITERIA MANUAL.
ALL CONTRACTORS SHALL OBTAIN A COPY FROM THE LANDLORDS' TENANT COORDINATOR OR OPERATIONS MANAGER AND BECOME FAMILIAR WITH THE REQUIREMENTS CONTAINED WITHIN PRIOR TO BIDDING THE JOB.
WHERE LANDLORDS REQUIREMENTS CONFLICT WITH CODES OR ORDINANCES, THE STRICTEST INTERPRETATION SHALL APPLY.

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SINGLE LINE DIAGRAM & ELECTRICAL WIRING NOTES

EDIT/ CHANGE

PROVIDE ELECTRICAL SINGLE LINE DIAGRAM & NOTES

EDIT/ CHANGE

GENERAL NOTES:

- ALL EQUIPMENT NEW & EXISTING SHALL BE RATED AT MIN. AC RATINGS OF UTILITY CO.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITION BEFORE BIDDING.
- VERIFY ALL DISTANCES IN FIELD. CONTRACTOR TO FIELD MEASURE THE EXACT LOCATION AND DISTANCES FROM MAIN DISTRIBUTION TO ALL NEW PANELS LOCATION.
- ALL EQUIPMENT AND FEEDER SHOWN DASHED ARE EXISTING TO REMAIN. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT AND FEEDERS FOR NEC COMPLIANCE.
- ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE LISTED, LABELED AND INSTALLED AS PER A RECOGNIZED ELECTRICAL TESTING AGENCY.
- NO PIPING, DUCTS OR EQUIPMENT FOREGO TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.
- PROVIDE AND MAINTAIN REQUIRED WORK SPACE, ADEQUATE ILLUMINATION, ACCESS TO WORK SPACE AND HEAD ROOM ABOUT ELECTRICAL EQUIPMENT.
- ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY THE EXISTING ELECTRICAL AND BUILDING CONDITIONS PRIOR TO HIS BID. ANY DISCREPANCY BETWEEN THE PLANS AND FIELD CONDITION SHALL BE REPORTED TO ARCHITECT.
- PROVIDE PERMANENT ENGRAVED LABEL FOR UNIT METER.
- FUSE SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDER.
- THE ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE PROVISION OF THE 2010 CEC. ALL WORKS TO COMPLY LATEST CALIFORNIA BUILDING CODES AND REQUIRED LOCAL OR CITY CODES.
- MULTI-WIRE CIRCUITS SHALL COMPLY WITH 2008 AND INCORPORATE POLE TIES INTO PANEL. SCHEDULED SINGLE POLE BREAKERS SHOWN WITHOUT TIES. EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNPROTECTED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES.

SERIES RATING NOTES:

- ALL OVERCURRENT DEVICE ENCLOSURES WILL BE IDENTIFIED AS SERIES RATED AND LABELED IN ACCORDANCE WITH NEC 199910-2(2).
- THE OVERCURRENT DEVICES SHALL BE AC RATED PER MANUFACTURERS LABELING OF THE ELECTRICAL EQUIPMENT.
- CONTRACTOR TO PROVIDE SERIES RATED CIRCUIT BREAKERS & FUSES TO MATCH EXISTING.

KEYNOTES:

PROVIDE SINGLE LINE DIAGRAM KEYNOTES

EDIT/ CHANGE

COMPLIANCE NOTES:

- THE ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE PROVISION OF THE 2010 CALIFORNIA ELECTRICAL CODE. ALL WORKS TO COMPLY LATEST CALIFORNIA BUILDING CODES AND REQUIRED LOCAL OR CITY CODES.
- GROUNDING AND BONDING NOTES:**
- PROVIDE GROUNDING CONDUCTOR FOR FLEXIBLE METAL CONDUIT SUPPLIED BY OVER 20 AMPS.
 - WHERE A GROUND WIRE IS NOT SPECIFIED, CONDUIT AND ITS CONNECTOR SHALL BE UL APPROVED FOR USE AS GROUNDING CONDUCTORS.
 - GROUNDING CONDUCTORS SMALLER THAN No. 6 SHALL BE IN RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, RIGID NONMETALLIC CONDUIT, ELECTRICAL METALLIC TUBING OR CABLE ARMOR.
- APPLICABLE CODES:**
- 2010 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 CCR
 - 2008 NATIONAL ELECTRICAL CODE AND 2010 CALIFORNIA AMENDMENTS
 - ALL DESIGN AND PLANS BASED ON THE 2010 CEC AND 2008 CALIFORNIA ENERGY EFFICIENCY STANDARD.

VOLTAGE DROP CALCULATION AT PANEL: ????

PROVIDE VOLTAGE DROP CALCULATIONS

EDIT/ CHANGE

PROVIDE LABEL ON SWITCHBOARD TO READ:

CAUTION-SERIES RATED SYSTEM 22 KVA AVAILABLE. IDENTIFIED REPLACEMENT COMPONENT REQUIRED. ALL CIRCUIT BREAKERS MUST BE SERIES RATED FOR USE. INTENDED ALL FUTURE PANELS MUST COMPLY TO THIS SERIES RATING.

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2	CONSTRUCTION DOCUMENTS SUBMITTAL	11-11-2012

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SHEET TITLE:

ELECTRICAL SPECS, SINGLE LINE DIAGRAM AND SYMBOLS

SCALE: NOT TO SCALE
ISSUE DATE: 11-11-2012

EDIT/ CHANGE SHEET E-2

PROVIDE APPLICABLE TITLE 24 ENERGY COMPLIANCE CALCULATION & CERTIFICATION FORMS

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PROVIDE APPLICABLE TITLE 24 ENERGY COMPLIANCE CALCULATION & CERTIFICATION FORMS

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SHEET TITLE :

TITLE 24 COMPLIANCE FORMS

SCALE : NOT TO SCALE
ISSUE DATE : ??-??-2012

EDIT/ CHANGE
SHEET E-5

SPECIFICATIONS

DIVISION 15400 - PLUMBING

SECTION 15401 - SUMMARY OF WORK

A. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, ETC. NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE PLUMBING SYSTEMS AS CALLED FOR IN THE SPECIFICATIONS, SHOWN ON DRAWINGS AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

1. CONTRACTOR SHALL DETERMINE THE LOCATION OF EXISTING WATER SUPPLY AND DRAIN LINES AND MAKE PROPER CONNECTIONS, THERE TO, INCLUDING VENTS.
2. ALL MATERIALS SHALL BE NEW AND SHALL FIT THE SPACE AVAILABLE. VERIFY ALL DIMENSIONS AT THE SITE.
3. ALL VALVES, CLEANOUTS, ETC. SHALL BE SO LOCATED AND INSTALLED TO PERMIT ACCESS FOR SERVICE WITHOUT DAMAGE TO BUILDING OR FINISHED MATERIALS.

SECTION 15402 - MATERIALS

A. REFER TO PLANS FOR SCHEDULES OF EQUIPMENT AND FIXTURES. AMERICAN STANDARDS, KOBLES AND CRANE ARE CONSIDERED ACCEPTABLE AS EQUALS. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

B. SANITARY PIPING

1. WASTE, DRAIN AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON RISE AND SPOST BELOW, NO RISE ABOVE GROUND. VENT PIPING ABOVE FLOOR 2" OR SMALLER MAY BE GALVANIZED STEEL.
2. INSULATE ALL HORIZONTAL RUNS OF PIPING LOCATED IN CEILING SPACES OF TENANTS IN SPACES BELOW WHEN APPLICABLE. INSULATION TO BE AS SPECIFIED FOR WATER PIPING.
3. INTERIOR CONDENSATE PIPING SHALL BE TYPE "H" HARD DRAIN COPPER TUBE WITH 95-5 TIN-ANTIMONY SOLDERED JOINTS AND WROUGHT COPPER FITTINGS WITH DIELECTRIC SEPARATION BETWEEN DISSIMILAR METALS. EXTERIOR CONDENSATE PIPING MAY BE SCHEDULE 40 PVC PIPING WITH SOLVENT WELDED FITTINGS IF APPROVED FOR USE BY THE LANDLORD.
3. POTABLE WATER PIPING
 1. BELOW GRADE: TYPE "K", ANNEALED TEMPERED COPPER TUBE FOR PIPE SIZES 2 INCHES AND SMALLER. BRAZE ALL JOINTS.
 2. ALL OTHER: TYPE "L" HARD DRAIN COPPER TUBE WITH SWEAT JOINTS AND CAST WROUGHT COPPER FITTINGS AND 95-5 TIN-ANTIMONY SOLDER.
4. PIPING OF DISSIMILAR METALS MUST BE ELECTRICALLY SEPARATED.
5. INSULATE ALL HOT WATER, COLD WATER AND INTERIOR CONDENSATE PIPING WITH 1" THICK (K-1220 @ 75°F) PIPE INSULATION WITH AN ALL SERVICE JOCKET TO MEET LOCAL CODES.
6. INSULATE THE TRAP, SANITARY AND SUPPLY PIPING UNDER LAVATORY WITH 1/2" ARMOSTRONG "ARMAFLEX" PIPING INSULATION OR TRUSBERG MODEL 1020 WHITE "HAND LAY GUARD" INSULATION KIT TO COMPLY WITH ADA REQUIREMENTS.
7. INSTALL AIR CHAMBER SHOCK ABSORBERS IN BOTH HOT AND COLD LINES OF PIPING SYSTEM TO PREVENT NOISE AND DAMAGE DUE TO WATER.
8. CLEAN-OUTS AND FLOOR DRAINS SHALL BE INSTALLED PER LOCAL CODES. ALL FLOOR DRAINS SHALL HAVE DEEP SEAL TRAPS. PROVIDE TRAP PRIMERS FOR FLOOR DRAINS.
9. ESCUTCHEONS SHALL BE CHROME PLATED, SIZE AS REQUIRED AND PLACED AT ALL PIPE PENETRATIONS AT WALLS, FLOORS, AND CEILINGS IN FINISHED AREAS.
10. LEAKAGE TESTS SHALL BE PER LOCAL CODES.
11. FLASHING SHALL BE SEALED WATER TIGHT AND PERFORMED IN ACCORDANCE WITH THE LANDLORD'S CRITERIA. USE A LANDLORD APPROVED ROOFING CONTRACTOR WHERE APPLICABLE AND INCLUDE ALL COSTS IN BID.
12. PROVIDE WATER METER AND REMOTE HEADER PER LANDLORD'S CRITERIA OR LOCAL UTILITIES REQUIREMENTS IF APPLICABLE.

DIVISION 15300 - FIRE PROTECTION (IF APPLICABLE)

SECTION 15301 - SUMMARY OF WORK

A. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, ETC. NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE SPRINKLER SYSTEMS AS CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

1. INSTALLATION OF NEW WET SPRINKLER SYSTEM AS REQUIRED TO PROTECT COVERAGE IN ACCORDANCE WITH NFPA-13 LOCAL CODES AND LANDLORD'S CRITERIA.
2. TAPS, RISERS, LATERALS, BRANCHES, VALVES, HAMMER, SPRINKLER HEADS AND ALL COMPONENTS REQUIRED FOR A COMPLETE SYSTEM.
3. DESIGN DRAWINGS, HYDRAULIC CALCULATIONS, SUBMITTALS AND APPROVALS.
4. PERMITS, FEES, INSPECTIONS AND CHARGES.
5. TESTS AND TEST CERTIFICATES.

IT IS INTENDED THAT THE CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.

B. THIS FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR SUBMITTING COORDINATED DRAWINGS, HYDRAULIC CALCULATIONS, HEAD TYPES AND COLORS TO ALL AUTHORITIES HAVING JURISDICTION FOR APPROVAL. NO WORK SHALL BEGIN UNTIL ALL APPROVALS HAVE BEEN RECEIVED.

SECTION 15302 - MATERIALS

A. SPRINKLER HEADS

1. ALL SPRINKLER HEADS SHALL BE NEW U.L. FM LISTED AND APPROVED AUTOMATIC SPRAY TYPE AS MANUFACTURED BY GRINNELL, RELIABLE, STAR, OR WING.
2. ALL SPRINKLER HEADS SHALL BE RATED FOR 165F UNLESS INDICATED OTHERWISE ON DRAWINGS OR REQUIRED BY LOCAL CODES.
3. VERIFY HEAD TYPES AND COLORS WITH TENANT AND SUBMIT WITH SPRINKLER DRAWINGS FOR PERMIT.
4. LOCATIONS OF ALL HEADS SHOULD BE APPROVED BY TENANT AND THE LOCAL FIRE PROTECTION OFFICIAL BEFORE INSTALLATION.
 1. SALES/TOILET ROOMS - SEMI-RECESSED WITH WHITE ESCUTCHEONS AND CHROME HEADS.
 2. STOCKROOM - ROUGH BRONZE UPRIGHT HEAD.
 3. STORAGE - CONCEALED HEADS WITH WHITE COVERPLATES.

B. PIPING

1. SCHEDULE 40, BLACK STEEL PIPE, ASTM A-53 FOR FERROUS PIPING, WELDED AND SEAMLESS, AND 8-36-10-70 FOR WROUGHT STEEL PIPE.
2. CAST IRON OR MALLEABLE IRON SOLDERED FITTINGS FOR PIPES 2 INCHES AND SMALLER, SOLDERED OR CAST IRON FLANGED JOINTS FOR PIPES LARGER THAN 2 INCHES.
3. GALVANIZED OR BLACK MALLEABLE IRON WITH BRASS SEAT SOLDERED UNIONS FOR PIPES 2 INCHES AND SMALLER.
4. INSTALLED TYPE COUPLERS ARE ACCEPTABLE, WHERE APPROVED BY CODE AND THE LANDLORD.
5. SPRINKLER SPACING SHALL NOT EXCEED 130 SQ. FT. IN "SALES" AREAS AND 100 SQ. FT. IN "STOCK" AREAS. COMPLY WITH LANDLORD'S DESIGN CRITERIA. PIPE SIZING SHALL BE BASED ON NFPA ORDINARY HAZARD.
6. ALL SPRINKLER LINES SHALL BE INSTALLED CONCEALED, AVOIDING INTERFERENCE WITH OTHER TRADES.
7. WHERE POSSIBLE, REWORK THE EXISTING SPRINKLER SYSTEM TO MEET THE NEW REQUIREMENTS OF THIS DESIGN AND INCLUDE ALL COSTS TO RAISE OR RELOCATE EXISTING PIPING TO OBTAIN CEILING HEIGHTS SHOWN ON DRAWINGS. IN NEW CONSTRUCTION THE LANDLORD MAY PROVIDE ONLY A STUB-IN TO THE SPACE. THE CONTRACTOR SHALL CONNECT AND EXTEND NEW PIPING AS REQUIRED. VERIFY ALL REQUIREMENTS PRIOR TO BID.
8. PROVIDE AND INSTALL A VALVED TEST CONNECTION IN AN ACCESSIBLE LOCATION FOR THE SPRINKLER SYSTEM AS REQUIRED OR REQUESTED BY THE MALL, LOCAL INSPECTOR, OR TENANT'S INSURANCE CARRIER.
9. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY LEAKS IN ANY OF THE EQUIPMENT INSTALLED BY THEM. ALL REPAIRS OR REPLACEMENT OF DAMAGES SHALL BE AT THIS CONTRACTOR'S EXPENSE.
10. PROPERLY CONSERVE AND PROTECT THE LANDLORD'S MATERIAL AND TEST CERTIFICATES AND RECORDS OF THE LANDLORD, AND AUTHORITIES HAVING JURISDICTION.

SYMBOLS AND LEGEND

SYMBOLS	ABBREVIATION	DESCRIPTION
W	W	SEWER WASTE ABOVE
W	W	SEWER WASTE BELOW
V	V	VENT LINE
CW	CW	COLD WATER
HW	HW	HOT WATER
HW	HW	HOT WATER RETURN
GW	GW	GREASE WASTE
G	G	GAS
CD	CD	CONDENSATE DRAIN
SOL	SOL	SOIL, WASTE ABOVE FLOOR OR GRADE
CWV	CWV	COMBINATION WASTE & VENT
DS	DS	DOWNSPOUT
DS	DS	NEW TO EXISTING CONNECTION
FS	FS	FLOOR SINK
WCO	WCO	WALL CLEAN OUT
CD	CD	CLEAN OUT TO GRADE
FD	FD	FLOOR DRAIN
POC	POC	POINT OF CONNECTION
TP	TP	TRAP PRIMER
AP	AP	ACCESS PANEL
ASR	ASR	AUTO. FIRE SPRINKLER RISER
BFP	BFP	BACKFLOW PREVENTER
BC	BC	BALANCING COCK
CB	CB	CATCH BASIN
COYB	COYB	CLEANOUT IN YARD BOX
CO	CO	CLEANOUT
HDR	HDR	HEADER
I.D.	I.D.	INDIRECT DRAIN
I.E.	I.E.	INVERT ELEVATION
MH	MH	MANHOLE
RIC	RIC	ROUGH-IN & CONNECT
RD	RD	ROOF DRAIN
SOC	SOC	SHUT OFF COCK
SOV	SOV	SHUT OFF VALVE
NA	NA	NOT APPLICABLE
N.I.C.	N.I.C.	NOT IN CONTRACT
ORD	ORD	OVERFLOW ROOF DRAIN
PRV	PRV	PRESSURE REDUCING VALVE
(N)	(N)	NEW
(E)	(E)	EXISTING
PPF	PPF	PLUMBING & FIRE PROTECTION

ENERGY COMMISSION NOTES (CALIFORNIA)

1. DOMESTIC WATER HEATERS SHALL BE CERTIFIED AND LISTED BY THE CALIFORNIA ENERGY COMMISSION.
2. ALL HOT WATER SUPPLY AND RETURN PIPING SHALL BE INSULATED PER ENERGY CODE. INSULATE ALL FITTINGS, VALVES, STRAINERS, ETC. BY EITHER PREFABRICATION OR BY FABRICATING FITTINGS FROM METEDED SEGMENTS OF PIPE INSULATION TO AN EQUAL THICKNESS OF ADJOINING PIPE INSULATION.
3. SERVICE WATER HEATING SYSTEM SHALL BE EQUIPPED WITH AUTOMATIC TEMPERATURE CONTROLS CAPABLE OF ADJUSTMENT FROM THE LOWEST TO THE HIGHEST ACCEPTABLE TEMPERATURE SETTING.
4. WHEN A CIRCULATING HOT WATER SYSTEM IS INSTALLED, IT SHALL HAVE A CONTROL CAPABLE OF AUTOMATICALLY TURNING THE CIRCULATING PUMPS WHEN HOT WATER IS NOT REQUIRED. (INDICATED THE CLOCK).
5. ALL PLUMBING FIXTURES SHALL BE LOW FLOW TYPE AND APPROVED BY THE ENERGY CONSERVATION STANDARDS.
6. MECHANICAL CONTRACTOR SHALL OBTAIN PERMISSION TO CUT POST TENSIONED CONCRETE FLOOR OR ROOF FROM MALL FACILITIES PERSONNEL. MALL FACILITIES WILL PROVIDE LIST OF APPROVED X-RAY ASSISTED CONCRETE CUTTING CONTRACTORS FOR MAKING THE NEEDED OPENINGS FOR RUNNING PIPES TO ROOF AND BELOW FLOOR

SHEET INDEX

SHEET	DESCRIPTION	SCALE
P.01	SYMBOLS AND ABBREVIATIONS	NONE
P.02	PLUMBING SCHEDULES	NONE
P.03	PLUMBING RISER DIAGRAMS	NONE
P.04	PLUMBING DETAILS	NONE
PL1	FLOOR 1 PLUMBING PLAN	1/4" = 1'-0"

EDIT/ CHANGE

PLUMBING NOTES

1. ALL WORK SHALL COMPLY WITH THE LATEST STATE PLUMBING CODE, AND LOCAL CODES.
2. ALL CLEAN OUTS SHALL BE ACCESSIBLE AND INSTALLED PER LATEST PLUMBING CODE AND UNIFORM PLUMBING CODE.
3. ALL WATER FAUCETS SHALL BE PROVIDED WITH CODE-APPROVED FLOW RESTRICTORS.
4. SLOPE OF SANITARY SEWER PIPES SHALL NOT BE LESS THAN 2% UNLESS OTHERWISE INDICATED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
5. ALL DOMESTIC HOT WATER PIPING SHALL BE INSULATED AS REQUIRED BY THE ENERGY CODE.
6. ALL PIPING TO BE SEISMICALLY BRACED TO PREVENT SWAYING PER CITY OF BUILDING CODE.
7. PROVIDE SNAP-ON TYPE INSULATION ON TRAPS AND HOT WATER PIPING FOR SINKS AND OTHER A.D.A. ACCESSIBLE FIXTURES.
8. DURING CONSTRUCTION, PROVIDE MECHANICAL PLUGS IN OPEN DRAINS TO PREVENT DAMAGE TO LOWER FLOORS. ALL WATER PIPING LOCATED ABOVE CEILING, RETURN TEMPORARY OR PERMANENT CAPPED CONNECTIONS, SHALL BE PROVIDED WITH LINE-SIZE SHUTOFF VALVES.
9. ROUGH-INS, CONNECTIONS AND TERMINATION OF PLUMBING WORK SHALL BE SEQUENCED IN COORDINATION WITH THE PROJECT SCHEDULE. THE ARCHITECT, AND THE OWNERS OTHER CONTRACTORS AND VENDORS, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FIXTURES AND APPLIANCES.
10. A MINIMUM 1/2" CLEARANCE SHALL BE PROVIDED AROUND PIPES AT ALL PENETRATIONS THROUGH WALLS AND ROOF. THE GAP SHALL BE PACKED THOROUGHLY WITH FOAM, LIGHTWEIGHT INSULATION THROUGH NON RATED WALLS, AND APPROVED UL LISTED FIRE SAFING MATERIAL RATED WALLS TO MATCH WALL RATING.
11. PROVIDE AND INSTALL ACCESSIBLE WATER HAMMER ARRESTERS OF REQUIRED SIZE AND LOCATION. MANUFACTURER AND MODEL NUMBERS SHALL BE PER SPECIFICATIONS.
12. PROVIDE ACCESS PANELS IN WALLS FOR SHUTOFF VALVES, TRAP PRIMERS AND WATER HAMMER ARRESTERS. CONTRACTOR IS ADVISED THAT ITEMS REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE THE AREAS OF CEILING GRID CEILING WITHOUT CONSENT OF ARCHITECT. SUBMIT PROPOSED ACCESS PANEL LOCATIONS TO ARCHITECT FOR APPROVAL.
13. ALL FLOOR DRAINS AND FLOOR SINKS SHALL BE PROVIDED WITH CODE-APPROVED ACCESSIBLE TRAP PRIMERS.
14. INSULATE INDIRECT DRAIN LINES FROM REFRIGERATORS, FREEZERS, ICE BINS, ETC. TO PREVENT CONDENSATION.
15. INSULATE ALL CONDENSATE AND WASTE PIPING RECEIVING CONDENSATE DRAIN INCLUDING THE DRAIN BODY.
16. PROVIDE AND INSTALL CHROME PLATED ANGLE STOPS AT ALL FIXTURES.
17. ALL WATER SHUT-OFF VALVES SHALL BE BALL TYPE VALVES.
18. ALL PIPE PENETRATIONS THROUGH STRUCTURAL MEMBERS AND WALLS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
19. FOR ALL CORING OF FLOOR, CONTRACTOR SHALL X-RAY THE FLOOR SLAB PRIOR TO CORING. COORDINATE WITH LANDLORD PRIOR TO CORE DRILLING.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE LOCAL CODES, LATEST STATE OF PLUMBING CODE, ENERGY CODE AND ALL OTHER GOVERNING CODES AND ORDINANCES.
2. BOTH PROJECT MANUALS, INCLUDING, EQUIPMENT AND FIXTURES AND BUILDING STANDARDS SHALL BE A PART OF THIS WORK.
3. ALL SYMBOLS SHOWN ON THE SYMBOL LIST ARE NOT NECESSARILY USED IN THIS PROJECT.
4. WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND THE PROJECT MANUAL, BUILDING STANDARDS OR SPECIFICATIONS, NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
5. THE WORK OF THIS PROJECT INVOLVES ALTERATION OF THE BASE BUILDING (PPF) SYSTEMS TO ACHIEVE THE ARRANGEMENT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL VISIT THE JOB SITE TO DETERMINE THE EXTENT OF WORK REQUIRED BY THE CONSTRUCTION ACTIVITIES. THE ARCHITECTURAL DRAWINGS SHOW THE CHANGES TO BE MADE. THE CONTRACTOR SHALL REVISE, REARRANGE, REROUTE OR REMOVE EXISTING PLUMBING COMPONENTS AS REQUIRED TO ACCOMMODATE THE CHANGES.
6. THESE DRAWINGS INDICATE THE DESIGN INTENT REQUIREMENTS FOR THE (PPF) SYSTEMS, AND EQUIPMENT. DUE TO STRUCTURAL CONDITIONS, ELECTRICAL WIRING OR PIPING INTERFERENCE, OR FOR OTHER REASONS, THE CONTRACTOR MAY DESIRE TO INSTALL THE WORK IN A MANNER DIFFERENT FROM THAT SHOWN TO ACCOMMODATE EXISTING FIELD CONDITIONS.
7. DURING BID, THE CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF DRAWINGS FOR ALL TRADES, AS ISSUED BY THE ARCHITECT AND REVIEW DIMENSIONS, SPACE REQUIREMENTS AND POINT OF CONNECTIONS TO ALL EQUIPMENT. MAKE ANY MINOR ADJUSTMENTS NECESSARY TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES.
8. UNLESS INSTRUCTED OTHERWISE, THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, AND FEES REQUIRED FOR INSTALLATION OF THE (PPF) WORK, INCLUDING THE LOCAL DEPARTMENT OF BUILDING AND SAFETY, DEPARTMENT OF WATER AND POWER, GAS CO. AND ALL OTHER AGENCIES HAVING JURISDICTION OVER SERVICES TO THIS BUILDING. FURNISH FINAL CERTIFICATE OF INSPECTION OR WRITTEN EVIDENCE OF ACCEPTANCE BY INSPECTION AUTHORITIES FOR ALL WORK INSTALLED.
9. SEE FOOD CONSULTANT DRAWINGS FOR EXTENT OF TENANT IMPROVEMENT WORK, AND EXACT LOCATION OF FIXTURES, EQUIPMENT, DEVICES , ETC.
10. CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO ENSURE AN UNDERSTANDING OF THE COMPLETE SCOPE OF PROJECT PRIOR TO START OF WORK.
11. THE ALTERATION OF THE BASE BUILDING (PPF) SYSTEMS IS A COMPLEX WORK IN NATURE WHICH WILL REQUIRE ACCURATE PLANNING, CAREFUL PREPARATION AND EXECUTION, ATTENTION TO DETAIL AND CLOSE SUPERVISION BY THE CONTRACTOR. THE CONTRACTOR WILL BE REQUIRED TO DO HIS WORK IN FULL COOPERATION WITH THE OTHER CONSTRUCTION TRADES.
12. BEFORE SUBMITTING PROPOSALS FOR THIS WORK, EACH BIDDER SHALL BECOME FAMILIAR WITH DRAWINGS AND SHALL HAVE EXAMINED THE PREMISES AND BE AWARE OF ALL EXISTING CONDITIONS UNDER WHICH HE SHALL BE OBLIGATED TO OPERATE IN PERFORMING HIS CONTRACT. THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY EXTRA COMPENSATION FOR FAILURE TO ALLOW FOR ALL EXISTING CONDITIONS. SUBMITTING OF A BID OR PROPOSAL WILL BE CONSIDERED EVIDENCE OF THE FACT THAT CONTRACTOR IS FULLY AWARE OF THESE CONDITIONS AND IS ABLE TO COMPLETE ALL WORK REQUIRED BY THE DRAWINGS.
13. CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DRAWINGS PRIOR TO COMPLETION OF PROJECT FOR REVIEW BY THE ARCHITECT/ENGINEER.
14. IF ANY EQUIPMENT SUBMITTED BY THE CONTRACTOR IS DIFFERENT FROM THAT SPECIFIED, OR REQUIRES CHANGES IN MATERIAL OR LABOR FROM THAT REQUIRED IN THE CONTRACT DOCUMENTS AFFECTING HIS AND/OR OTHER TRADES, SUCH CHANGES SHALL BE SUBMITTED AS SHOP DRAWINGS. SUBMITTAL SHALL INDICATE CREDIT DUE TO OWNERS IF ANY, BECAUSE OF THE CHANGES. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PAYMENT OF ALL CHARGES RESULTING FROM ADDITIONS OR CHANGES IN THE WORK OF OTHER TRADES NECESSARY TO ACCOMMODATE THE REQUESTED MODIFICATION. ALL CHANGES SHALL BE SHOWN ON RECORD AS-BUILT DRAWINGS.
15. SUBMIT SHOP DRAWINGS AND PRODUCT DATA ACCORDING TO SPECIFICATIONS.

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NO.	DESCRIPTION	DATE
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2	CONSTRUCTION DOCUMENTS SUBMITTAL	??-??-2012

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SHEET TITLE:

SPECIFICATIONS & GENERAL NOTES

SCALE:
 ISSUE DATE: ??-??-2012

EDIT/ CHANGE SHEET P-1

PROVIDE WATER CALCULATIONS

EDIT/ CHANGE

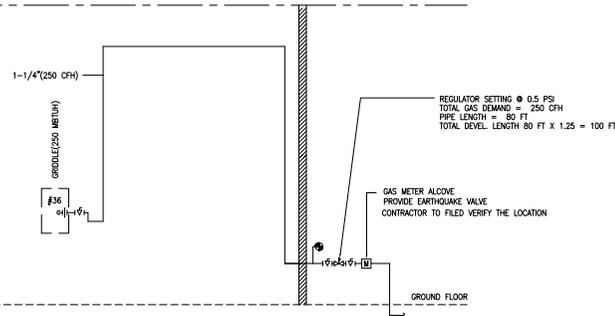
WATER RISER DIAGRAM
NOT TO SCALE

EDIT/ CHANGE

WASTE RISER DIAGRAM
NOT TO SCALE

EDIT/ CHANGE

GAS RISER DIAGRAM
NOT TO SCALE



- NOTES:**
1. PROVIDE LINE SIZE CLEANOUTS PER CPC TABLE 7-6 WHERE NECESSARY
 2. CHANGE 2" VENT HEADER TO 2 1/2" IF HORIZONTAL LENGTH EXCEEDS 40' TO MALL VENT, CPC TABLE 7-5 FOOTNOTE.

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SHEET TITLE :
RISER DIAGRAM

SCALE :
ISSUE DATE : ??-??-2012
EDIT/ CHANGE
SHEET P-3

PROVIDE COLD WATER & HOT WATER PLUMBING PLAN

EDIT/ CHANGE

CW & HW PLUMBING PLAN
SCALE : ??? = 1'-0"

PROVIDE WASTE/ VENT PLUMBING PLAN

EDIT/ CHANGE

WASTE / VENT PLUMBING PLAN
SCALE : ??? = 1'-0"

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SHEET TITLE:

**WASTE/VENT PLAN
CW/HW PLAN**

SCALE:
ISSUE DATE: ??-??-2012

**EDIT/ CHANGE
SHEET P-4**

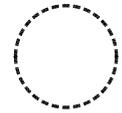
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SHEET P-5

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