# 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.

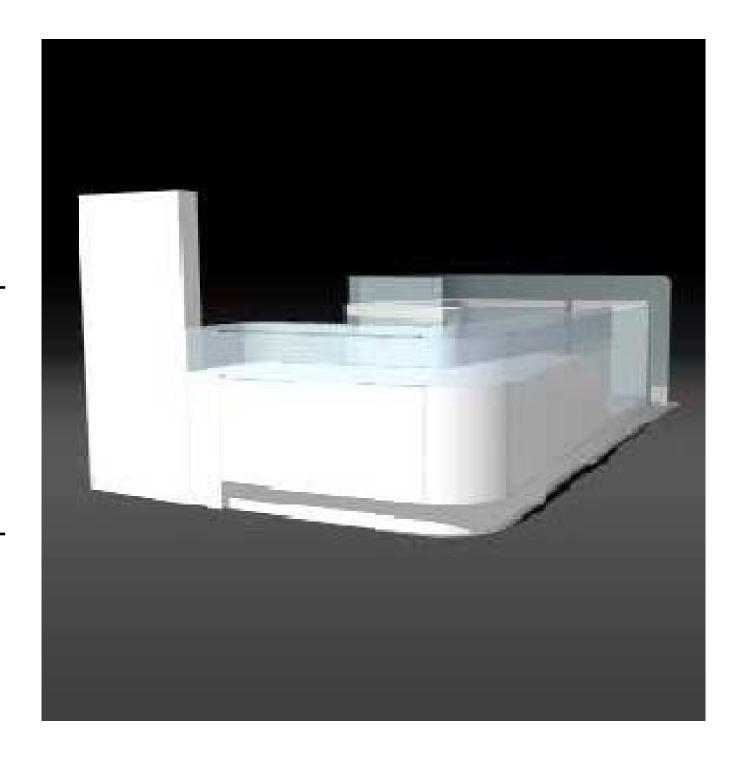
# DESIGN STRATEGY

# KIOSK/ FLOATING RETAIL

D R Y

PLAN YOUR FLOW

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







INCREASED SKUS



INTERACTIVE SHOPPING



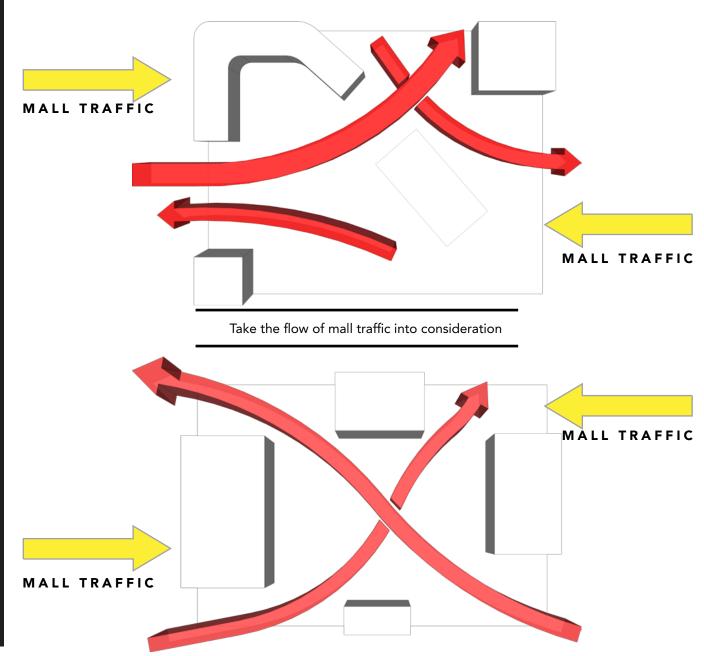
SCULPTURAL DESIGN

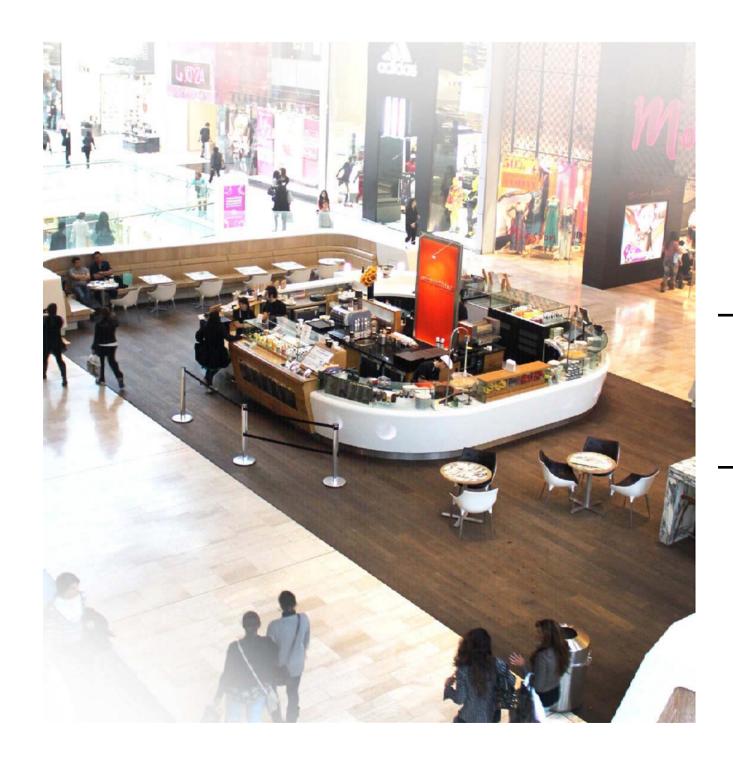
### PLAN YOUR FLOW

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









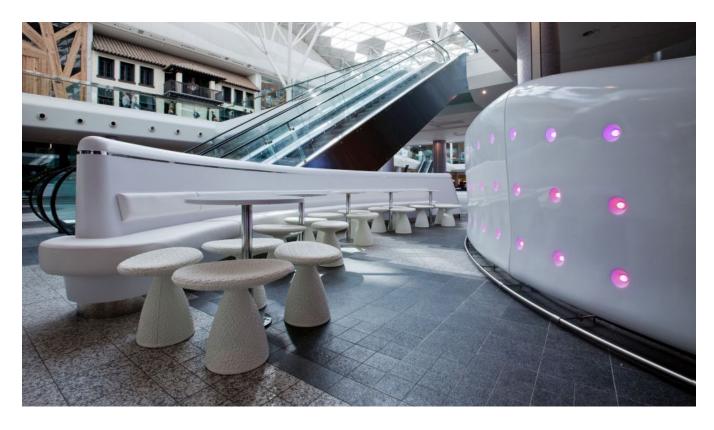
# KIOSK/ FLOATING RETAIL

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.







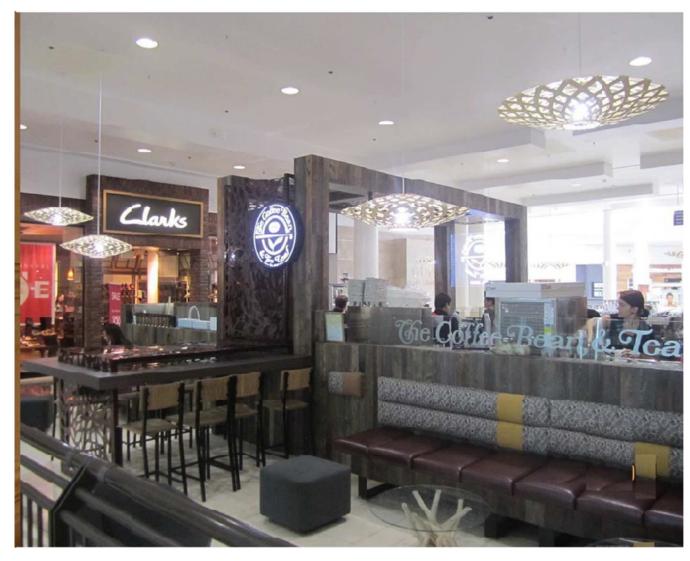
As you determine the layout of your kiosk, consider your customer's traffic flow and queuing.



### 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.



# CONDIMENTS/UTENSILS/MENUS







### condiments/utensils

Condiments, flatware, napkin holders, etc., are to be integrated seamlessly into the overall design. Loose items placed on counter-tops are not permitted.

To maintain a clean and orderly image, equipment cables, cords and loose items are required to be hidden from public view. The design of your kiosk should include shrouding.

### menus

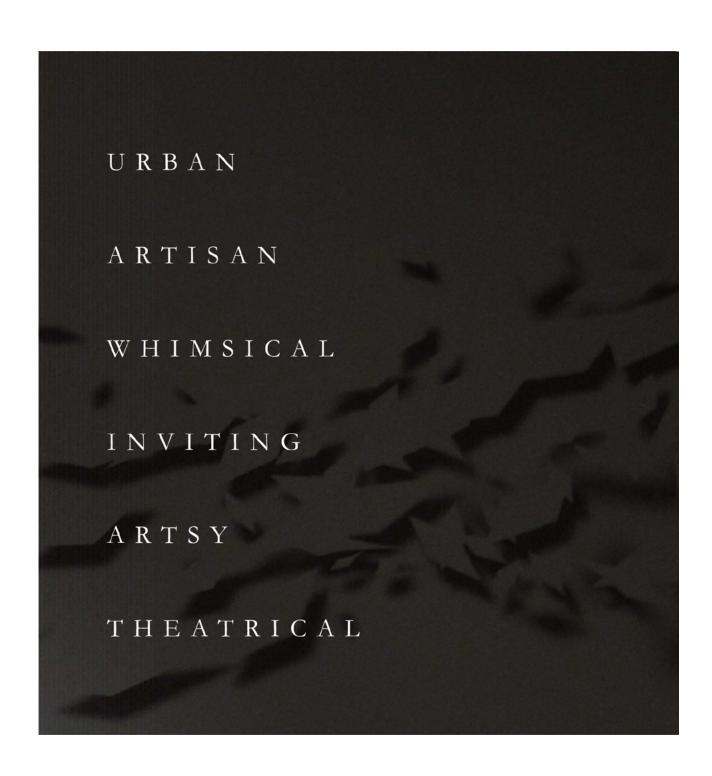
All menu board applications must be a part of the overall design. (FIG 1). No loose menu boards are allowed. The top of the menu board cannot exceed a height of 5'. The exception is when the menu board is on the pylon.

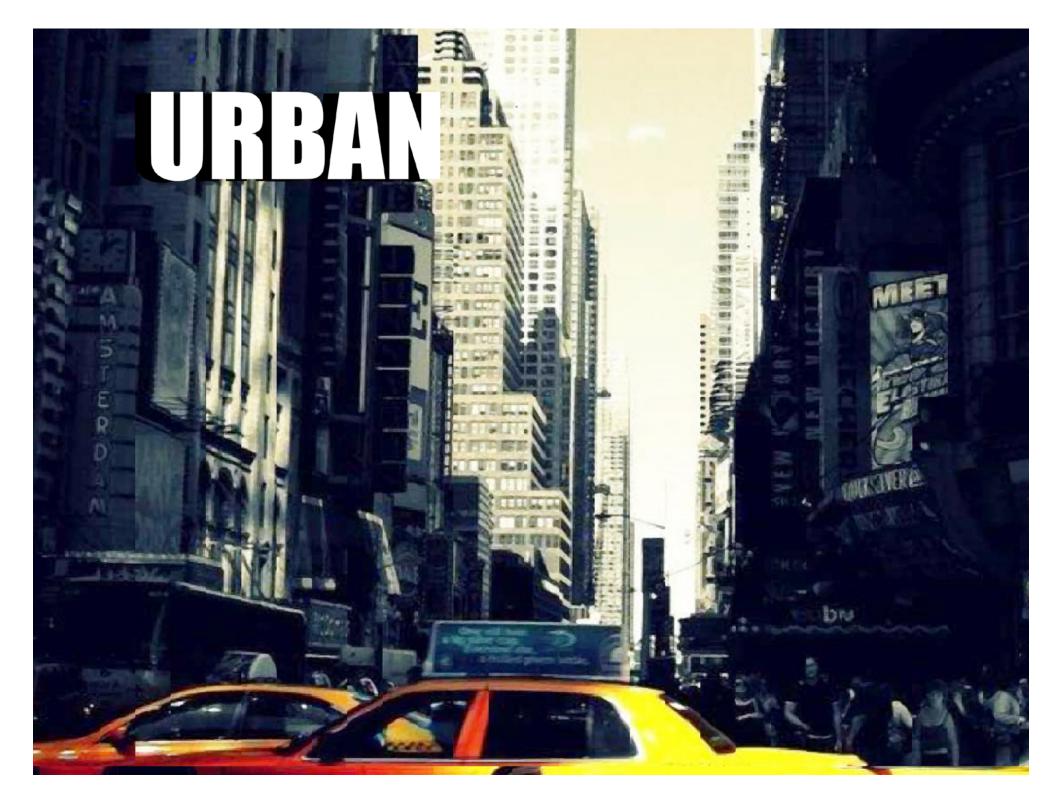


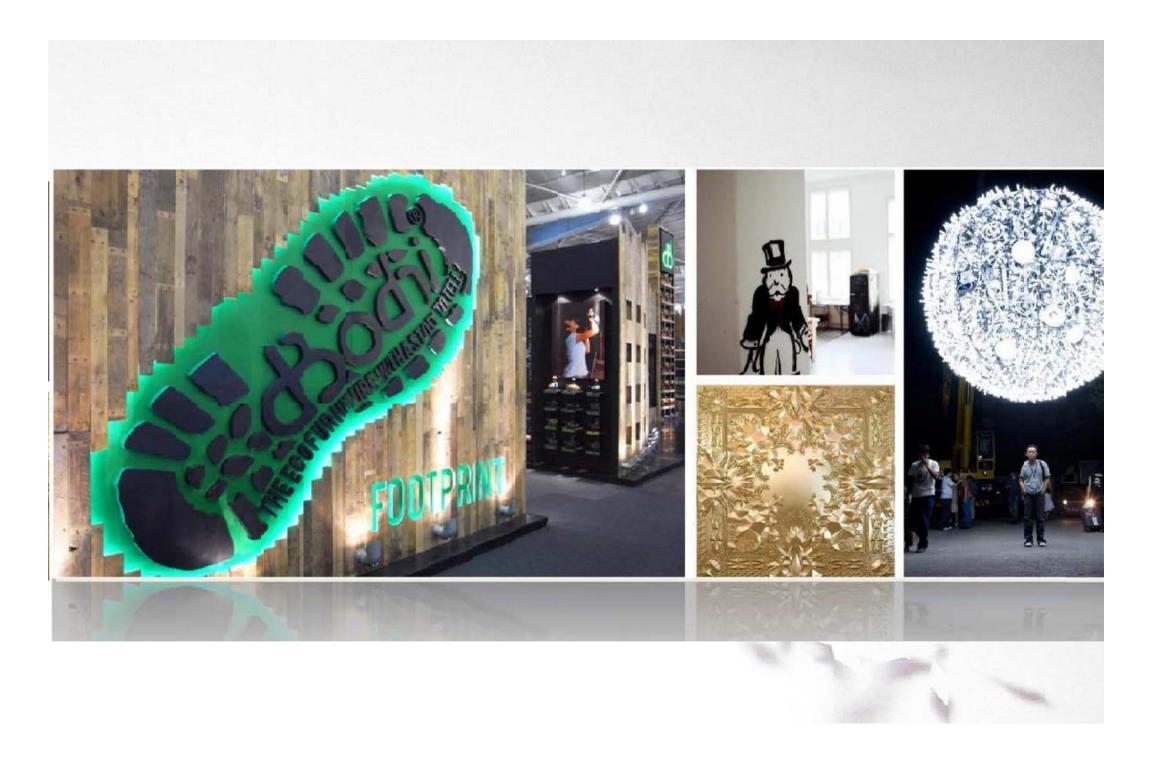
# KIOSK/ FLOATING RETAIL

# **INSPIRATIONS**

### G E T I N S P I R E D



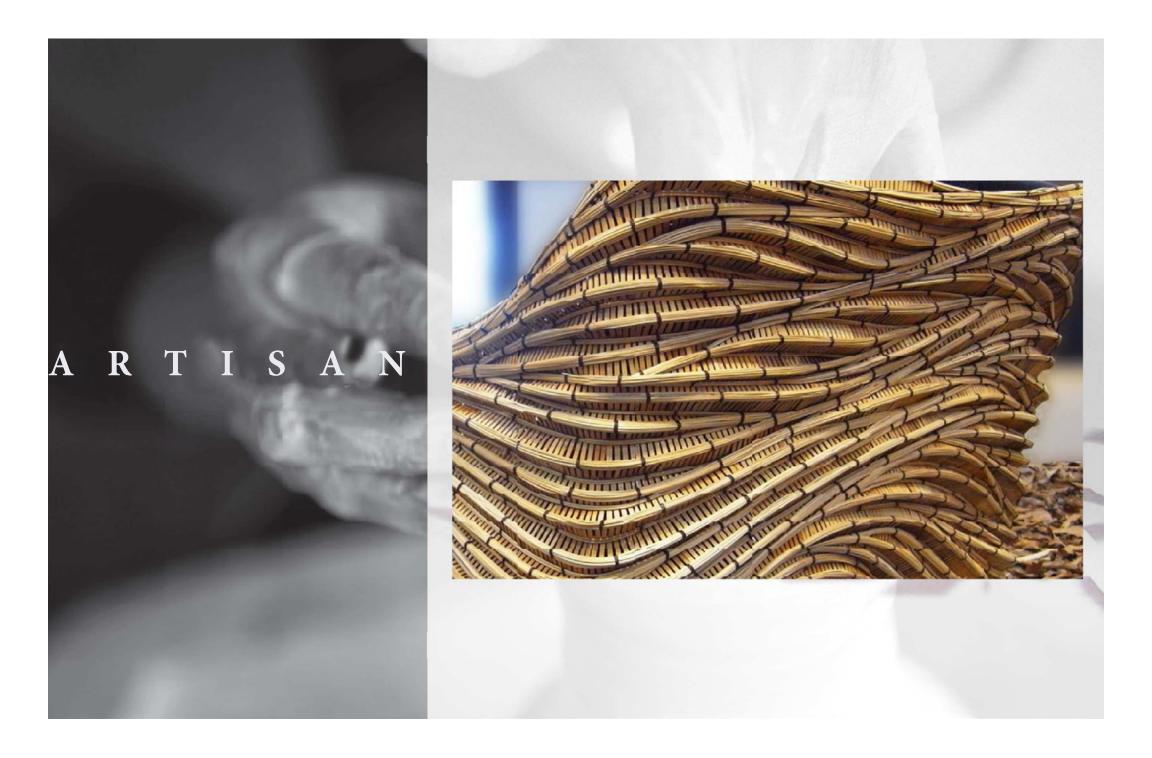


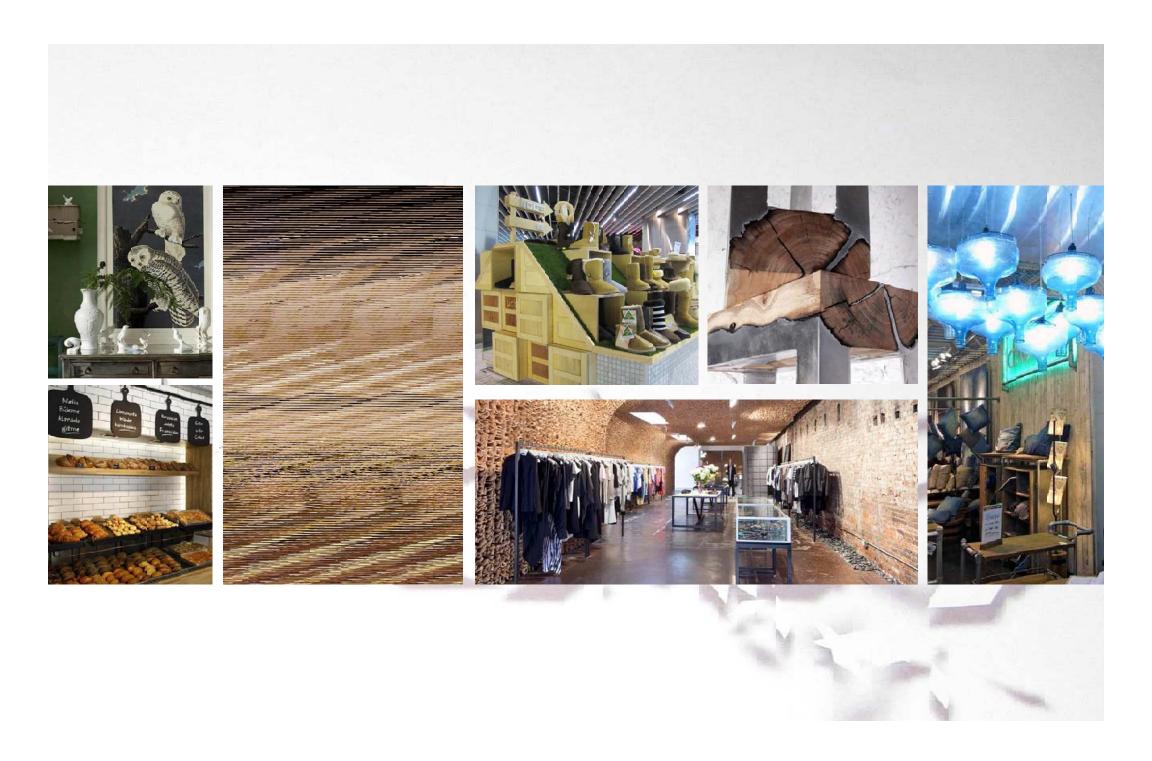




### GET INSPIRED







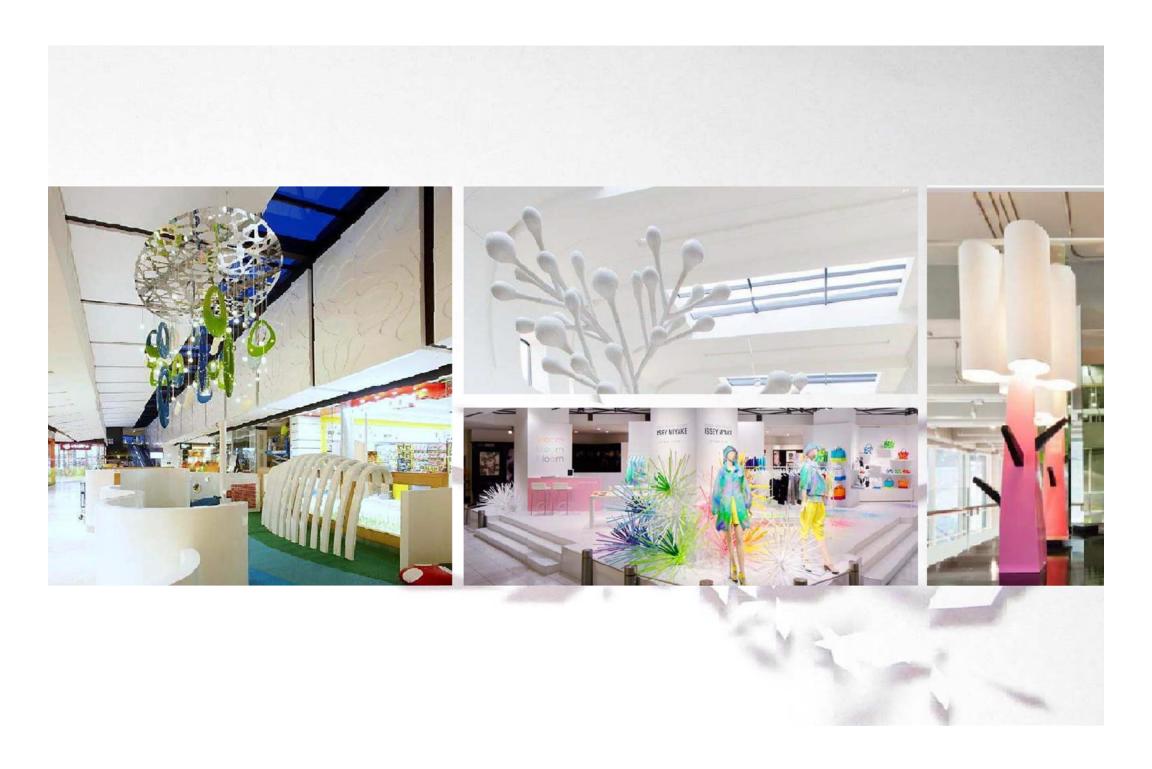


### GET INSPIRED

KIOSK / FLOATING RETAIL DRY







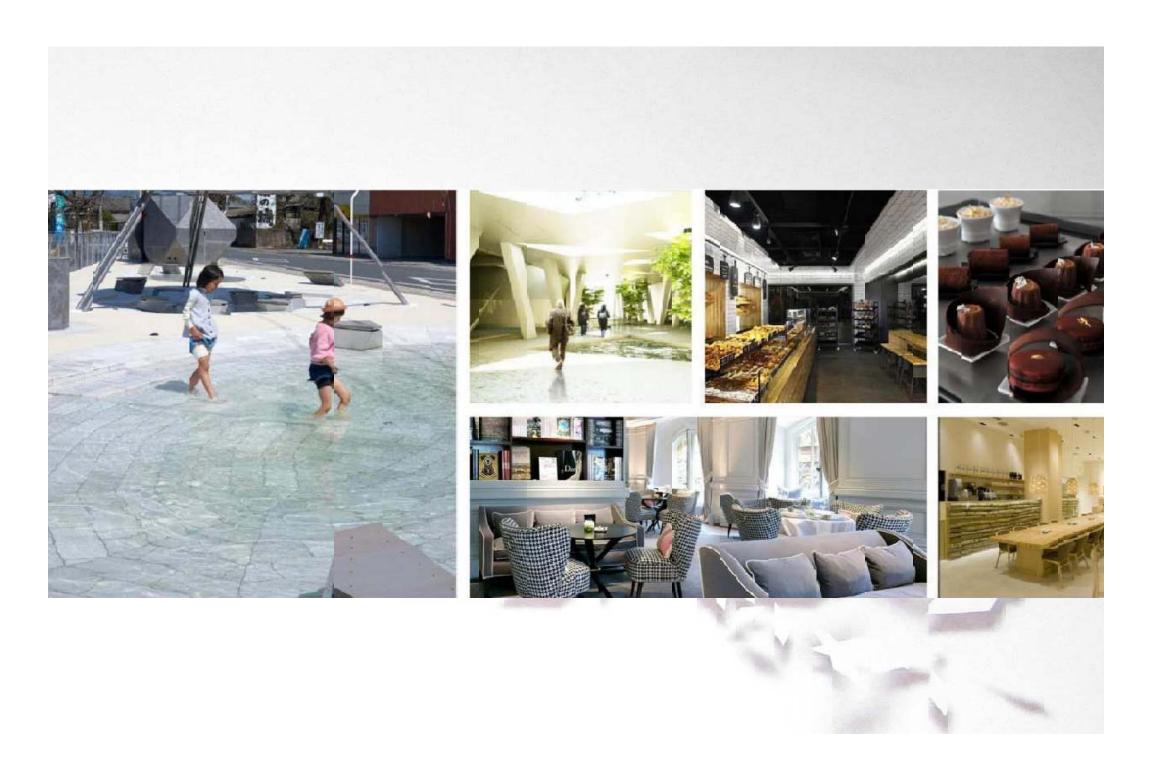
### G E T I N S P I R E D



KIOSK/FLOATING RETAIL: DRY







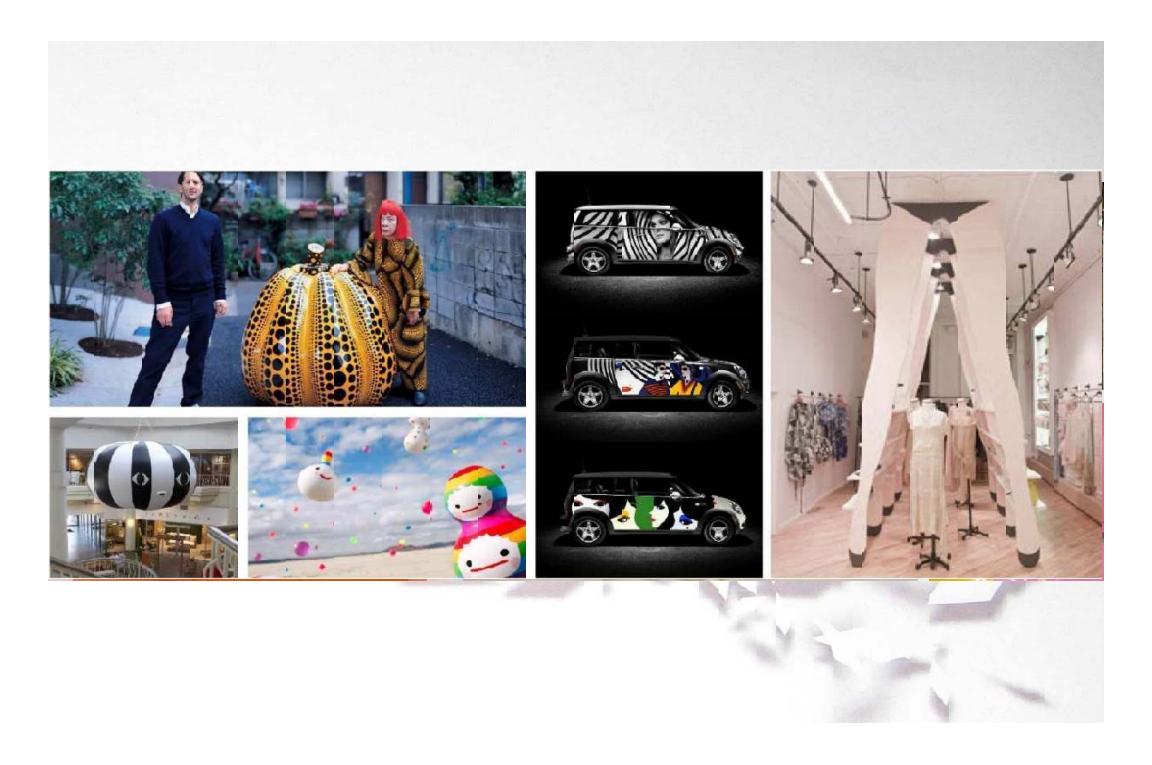
# TYVE B

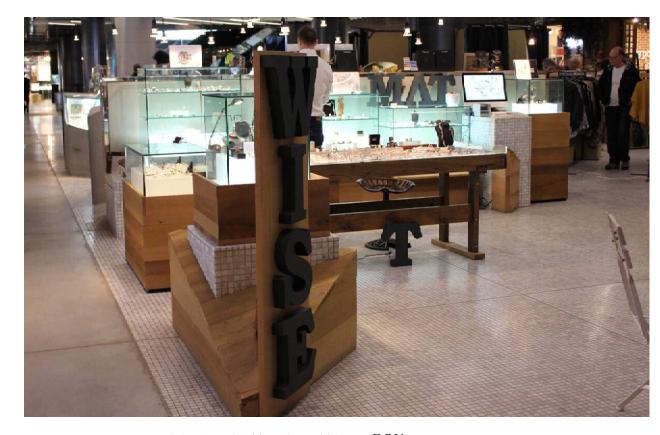
### KIOSK / FLOATING RETAIL DRY

### G E T I N S P I R E D





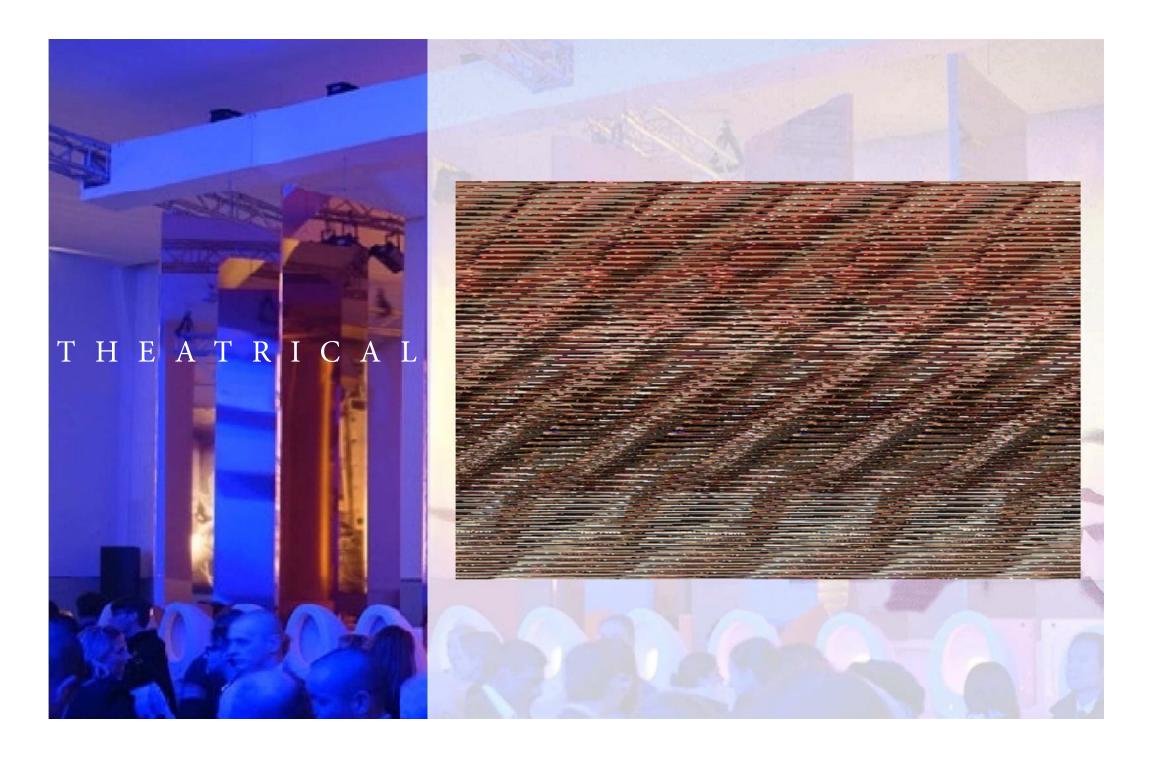


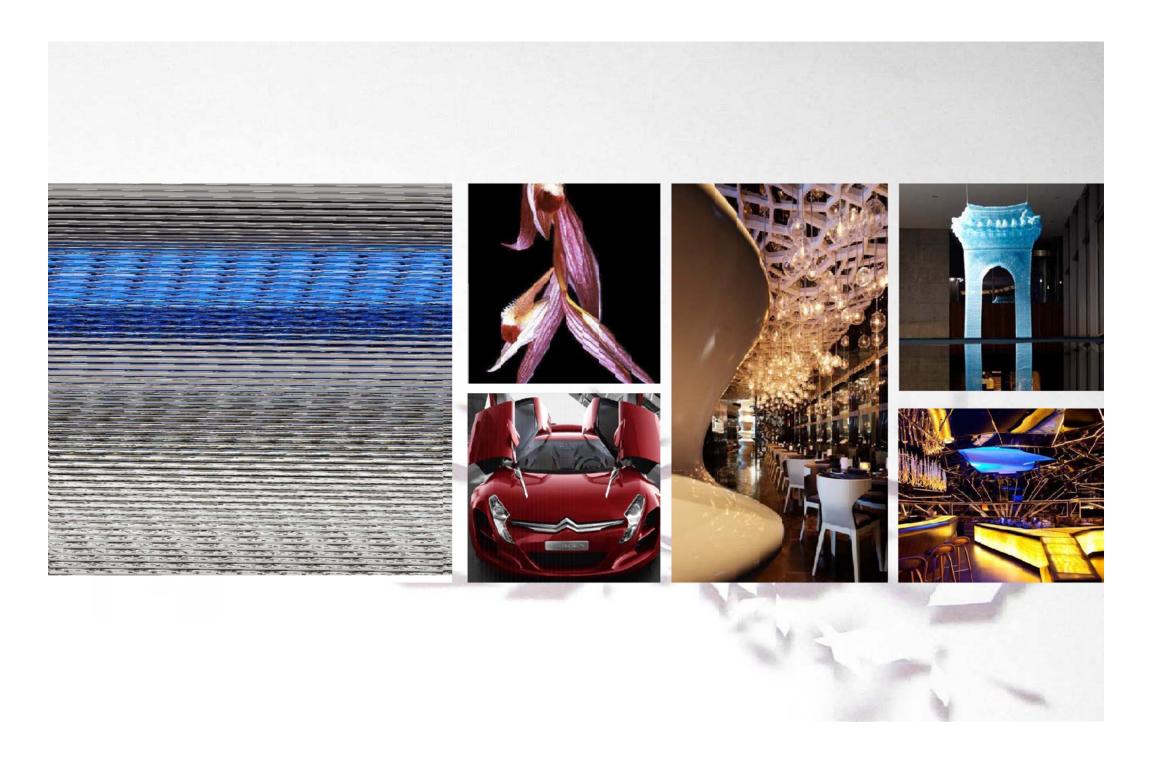


### KIOSK/FLOATING RETAIL: DRY

### G E T I N S P I R E D





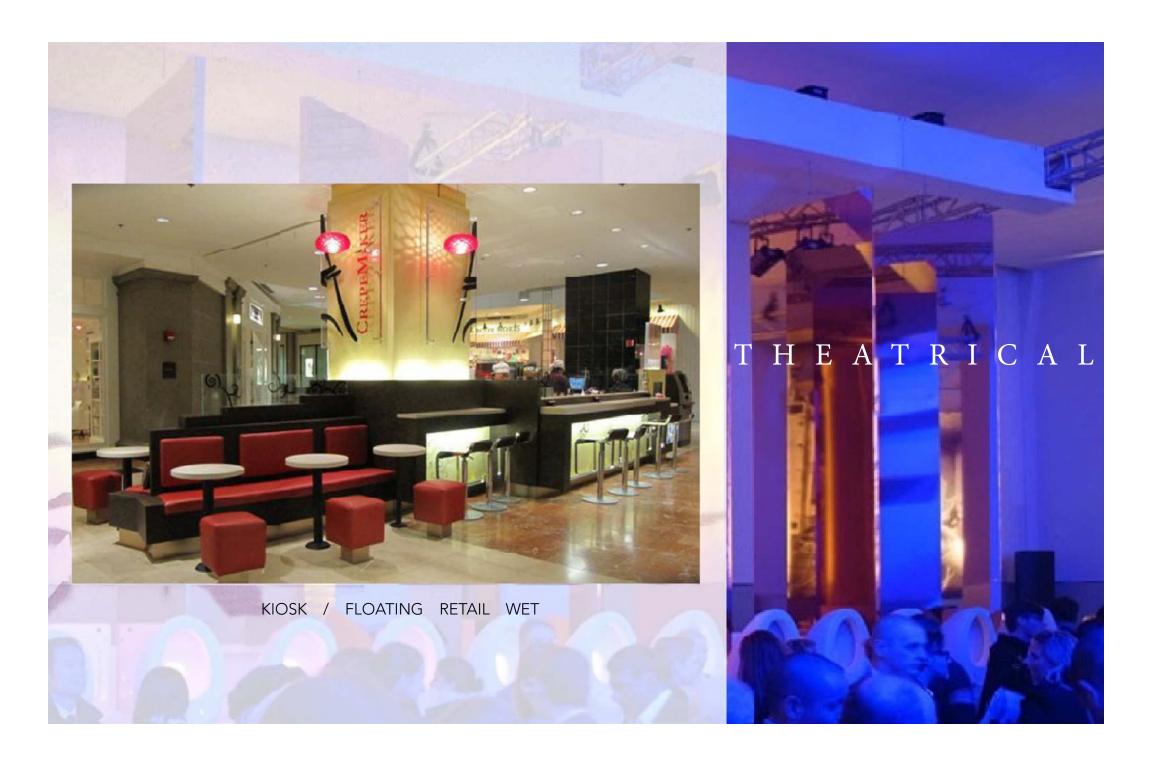


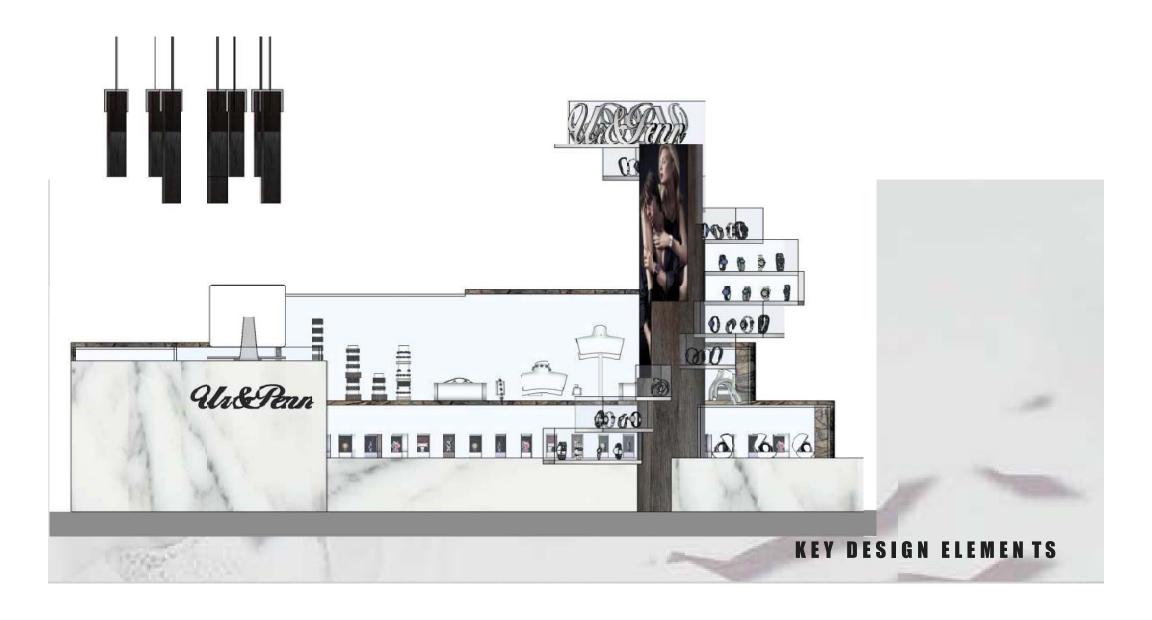
# COACH

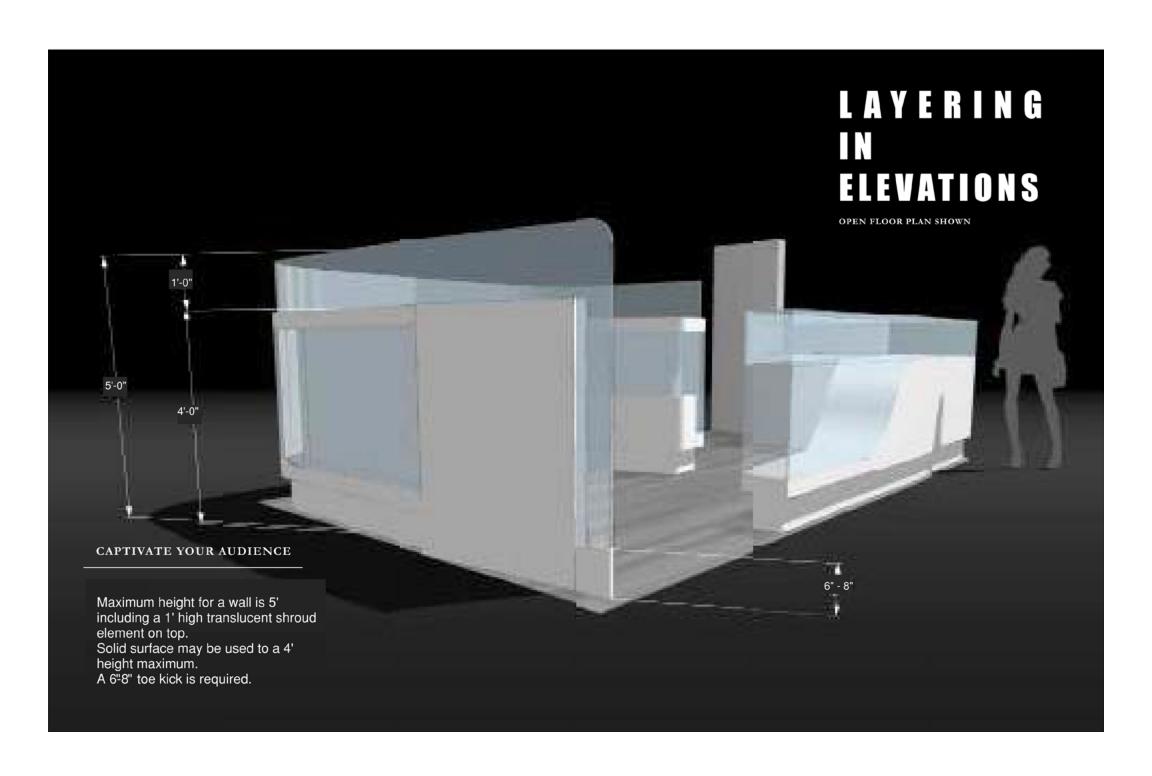
### KIOSK / FLOATING RETAIL DRY

### G E T I N S P I R E D

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









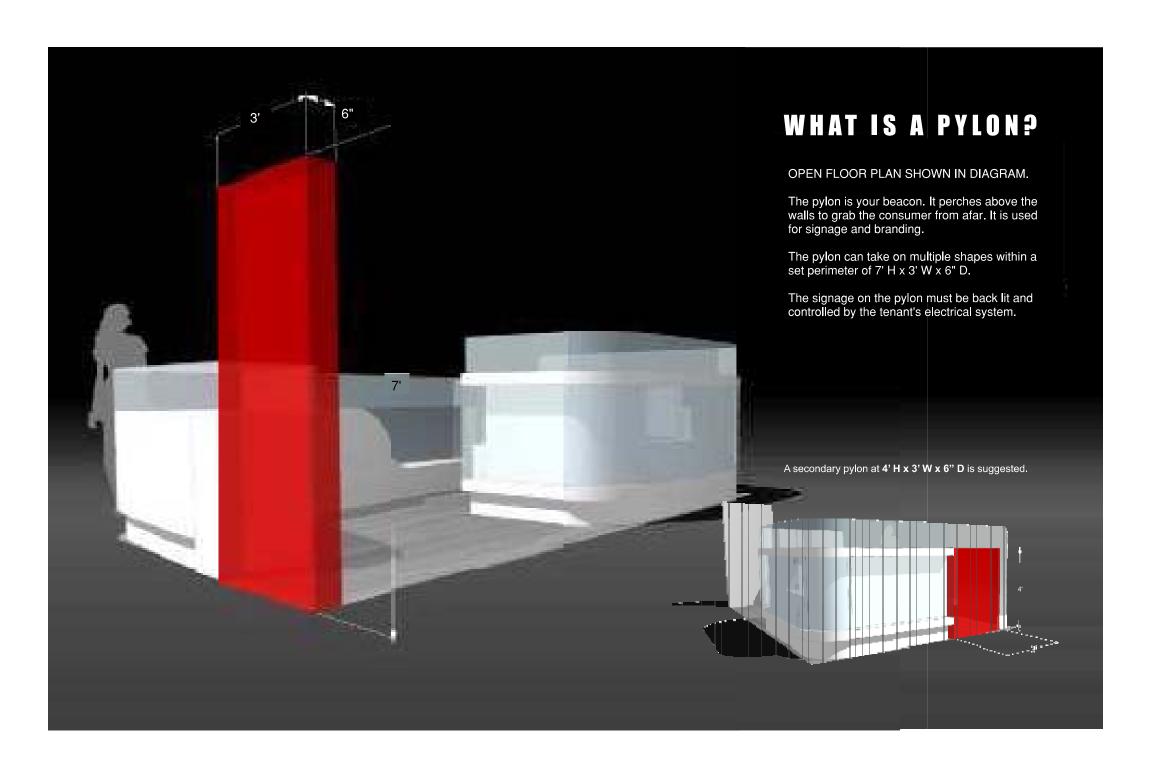


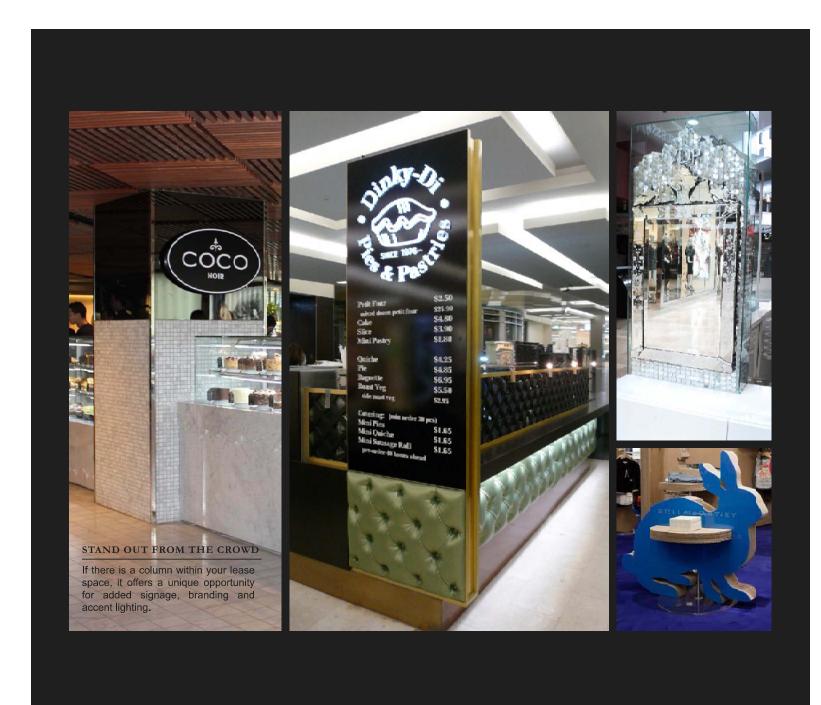


### **LAYERING IN ELEVATIONS**

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.





# **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

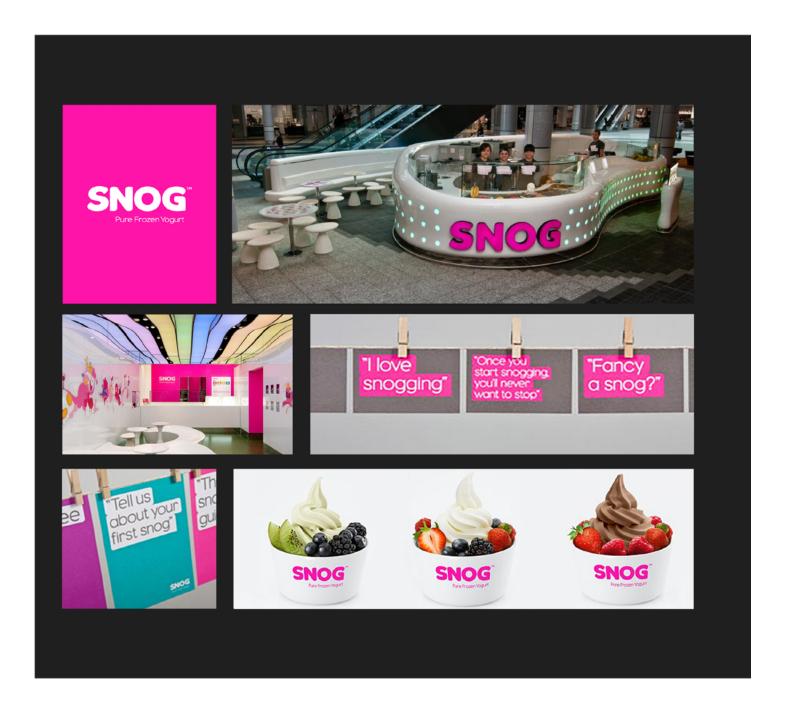
A brand is a name, term, design, symbol, color or any other feature that identifies a seller's goods or services as distinct from those of other sellers. Whether you have a developed brand or you are just starting your first business, the kiosk team will work closely with you to enhance your brand and 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.



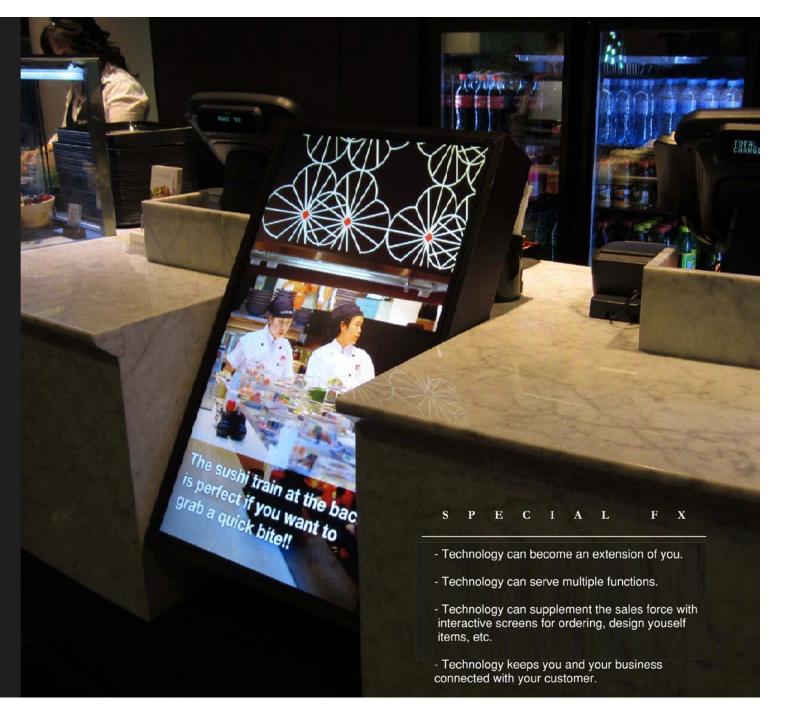
Graphics must be mounted behind frameless glass or acrylic. An option is to mount the graphic behind glass/acrylic on stand offs.



# TECHNOLOGY / M E D I A



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.





# TECHNOLOGY / M E D I A



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.













# MATERIALS AND FINISHES

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.daltile.com



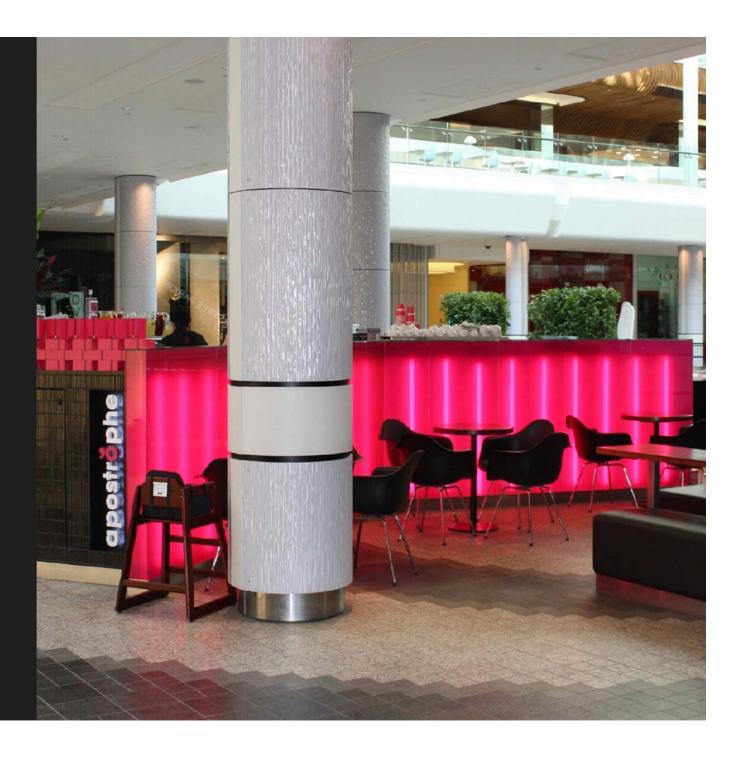
SOLID SURFACES

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



Listed vendors are suggestions only.

# 





TIME TO SHINE

- 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.





Light Bar example



# ACCESS GATE

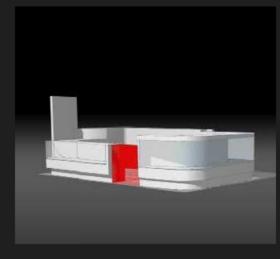
IN - N - OUT

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.

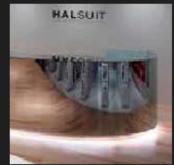
The gate should be no more than 1" maximum above the finished floor.











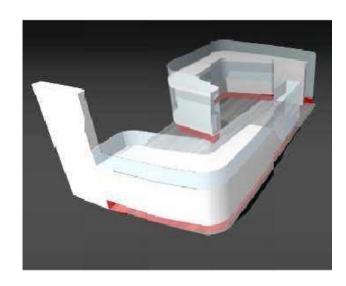


# T O E K I C K

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.





# STORAGE

- 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.

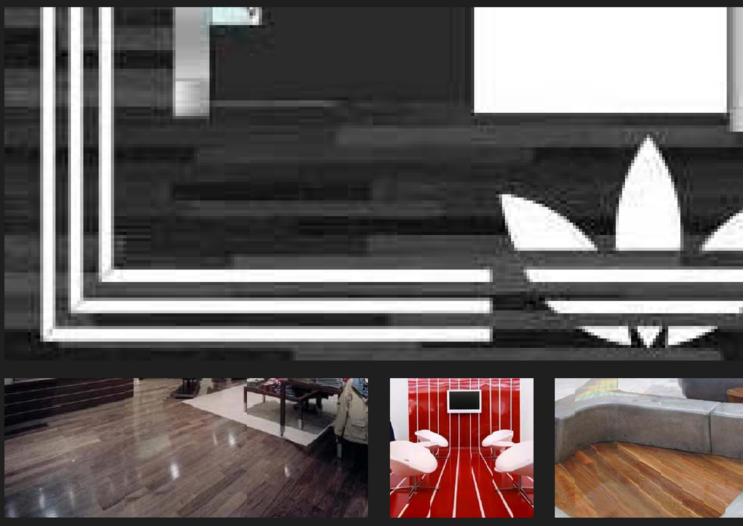
# FLOORING

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.



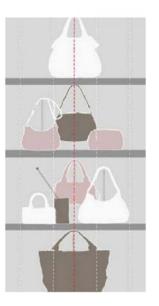
It is a code requirement to comply with the ADA. (1"=12" TRANSITIONAL SLOPE).



www.karndean.com



# VISUAL MERCHANDISING



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 0 0 D

# DISPLAY

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

### 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, ( \$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".

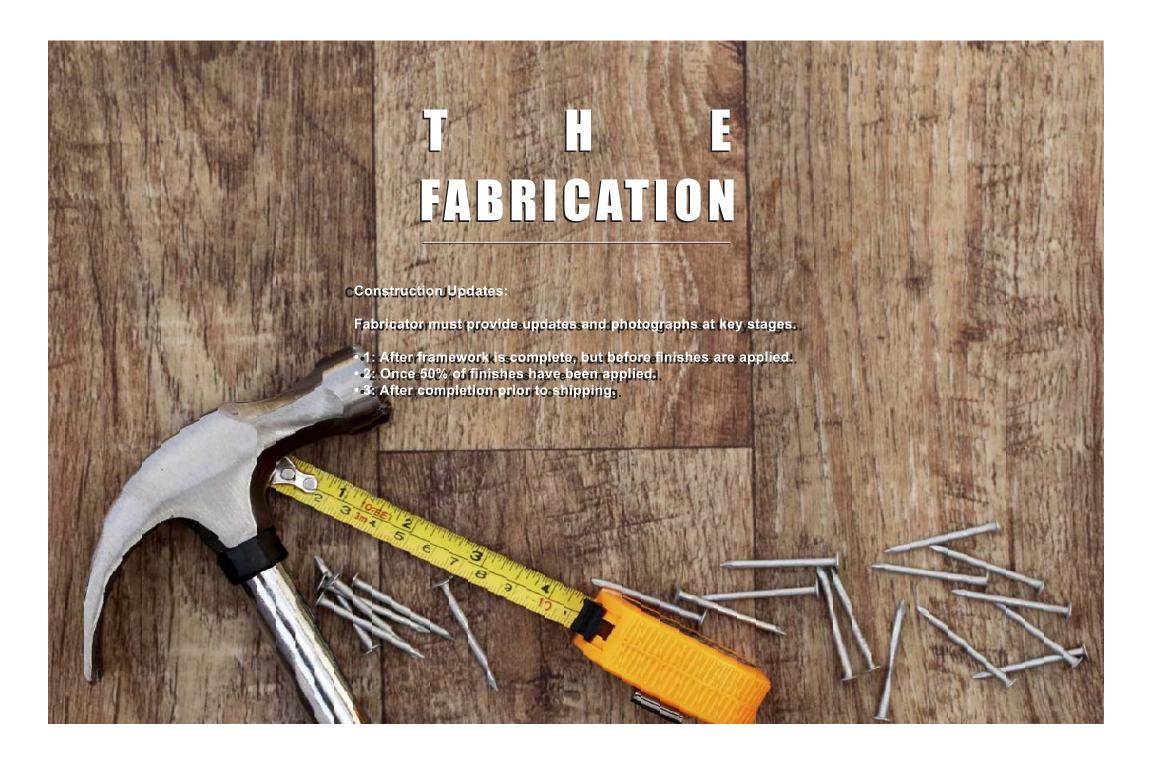
The tenant and GC must have the stamped Landlord approved drawing set on site at all times during construction / installation,



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 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.

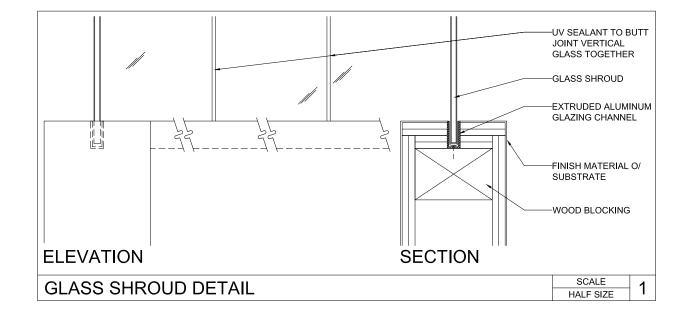
**push - through lettering.....** of a material that allows to shine through.

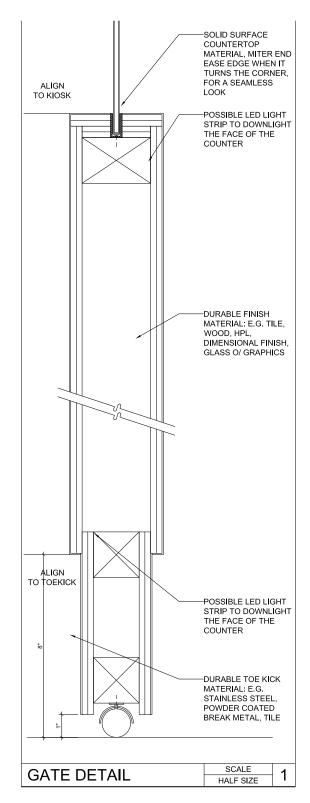
**pylon.....** sign / graphic tower / "beacon".

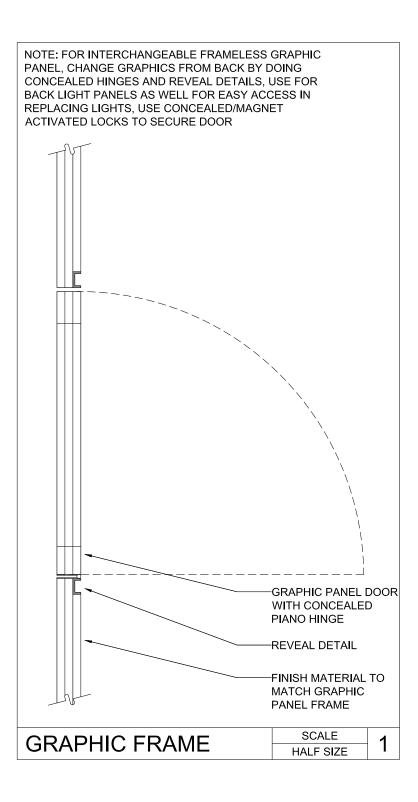
shrouding..... covering from public view.

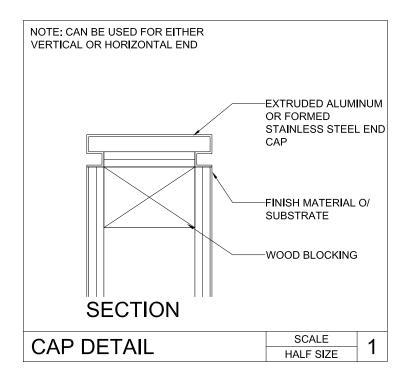
sustainability..... the capacity to endure.

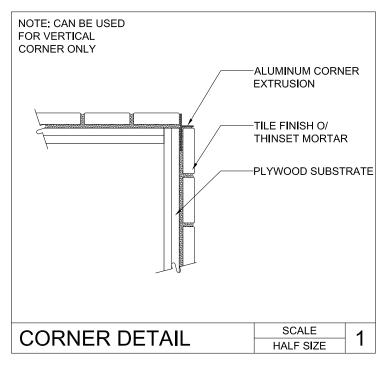
toe kick....... a recess of the bottom of the cabinet to provide toe space when standing next to a cabinet.

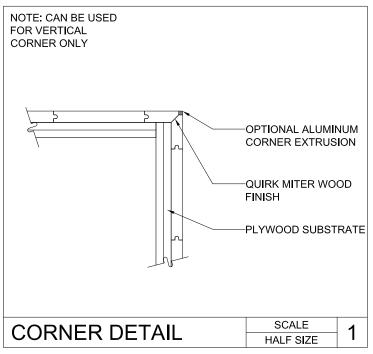


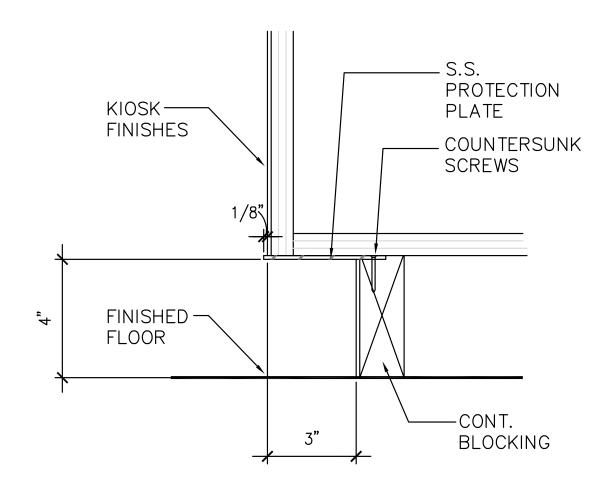












TOE KICK SS EXTRUSION DETAIL

### **KEYNOTE LEGEND:** PROJECT/ TENANT'S NAME & LOGO **EDIT/ CHANGE** RESPONSIBILITY MATRIX (9) **SYMBOLS** PROJECT DATA T - TENANT (OWNER/ OWNERS VENDOR) GC - GENERAL CONTRACTOR FURNISHED BY INSTALLED BY MATERIAL L - LANDLORD **EDIT/ CHANGE** USE : OCCUPANCY: SECTION 8'-0" CELING HEIGHT AREA: 02050 CONSTRUCTION BARRICADE GC GC 02050 DEMOLITION (114) GC GC --- 1/A3.0 SECTION 03300 CONCRETE CONCRETE SLAB ON GRADE (114) CONSTRUCTION: CORING/ TRENCHING (AND X-RAY CONFIRMATION TESTING PRIOR) GC GC $\mathbf{1}$ PATCHING AND SELE-LEVELING CEMENTITIOUS LINDERLAYMENT GC GC BUILDING CODE: GC GC 06500 METAL FABRICATIONS PLUMBING CODE: 06000 ROUGH CARPENTRY GC GC COLUMN GRID ELECTRICAL CODE 1 06400 FINSH CARPENTRY GC GC MECHANICAL CODE 06405 CABINETRY (111)(112) GC GC ENERGY CODE 07500 ROOFING (CUTTING, PATCHING, CURB MOUNTED EQUIPMENTS) (104) NA NA **23** KEYNOTE 07812 REPAIR DAMAGES TO SPRAYED FIREPROFING ON STEEL STRUCT ACCESSBUTY CODE: **EDIT/ CHANGE** 07920 SEALANTS FIRE CODE: 123 GC GC FOOD SERVICE EQUIPMENT/ CABINETRY & FIXTURE 08100 DOORS AND FRAMES (108) 08400 GLAZING, AWNINGS, DOORS AND HARDWARE BUILDING DEPARTMENT 08710 DOOR HARDWARE (108) GC GC (123)

GC GC

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GC GC

GC GC

GC

(ABC)

(23)

◬

√1/4" PER FOOT

\* TOP OF CURB

♦ 8'-0" SOFFIT

09260 GYPSUM BOARD AND METAL STUD FRAMING

09510 SUSPENDED CELING OR CANOPY SYSTEM 09600 STONE/ PORCELAIN TILE

09305 METAL TRANSITION STRIP (AT FLOOR FINISH TRANSITIONS)

MAIN ILLUMINATED STOREFRONT SIGN (107)

GRAPHICS PANELS AND FRAMED POSTERS (112)

SPRINKLER MODIFICATIONS WITHIN THE LEASED PREMISES (04) (10)

AUDIBLE & VISUAL FIRE/ LIFE SAFETY ALARM SYSTEM (04)

SMOKE DETECTORS & HVAC DUCT SMOKE ALARMS

SANITARY WASTE - POINT OF CONNECTION

SANTARY VENT - POINT OF CONNECTION

HOT WATER HEATER

GREASE INTERCEPTOR

ALL PLUMBING EXTURES

DOMESTIC WATER LINE - POINT OF CONNECTION ALL PLUMBING LINE EXTENSIONS (WITHIN OR BELOW THE PREMISE

HEATING, VENTILATION AND AIR CONDITIONING (HVAC) NEW HVAC SYSTEM (RTUS- INCLUDING NEW ROOF OPENINGS)

ACCESS PANELS AT CONTROLS AROVE CELLING

ALL VENTILATION & FILTERATION EQUIPMENT

SERVICE CONDUITS TO LEASED PREMISES (117)

PANELS, DISCONNECT SWITCHES AND TIME CLOCK

TELEPHONE CONDUIT TO THE LEASED PREMISES

TELEPHONES AND TELEPHONE SERVICE WIRING (107)

TELEPHONE WIRING TO THE LEASED PREMISES

LIGHT FIXTURES, LAMPS, EXIT AND EMERGENCY LIGHTS (103) (119)

OTHER ELECTRICAL WORK WITHIN THE LEASED PREMISES (103) (119

TELEPHONE CONDUIT RUN WITHIN LEASED PREMISES & TEL BOARD GC GC

MERCHANDISE SECURITY EQUIPMENT & AUDIO SYSTEM (107) (109) (114) GC GC

ALL ODOR MITIGATION EQUIPMENT ELECTRICAL (103)

MAIN SWITCH, FUSE AND METER (17)

FEEDERS TO LEASED PREMISES

BRANCH DUCTING, GRILLES, REGISTERS AND DIFFUSERS

09300 TILE & STONE

09640 OTHER FLOORING

10520 FIRE EXTINGUISHERS

09900 PAINTING

10400 SIGNAGE

INDEX OF DRAWINGS \_\_\_\_\_\_ TENANT MANE SPACES NO. ????? (KIOSK) TITLE SHEET LOD (A2 EXHIBIT), SITE AND PARKING ACCESSIBILITY REFERENCE PLAN RETAL (BOOTH/ KIOSK) EDIT/ CHANGE CONDITIONS & SPECIFICATIONS M - (MERCANTILE) CONDITIONS & SPECIFICATIONS SALES/ SERVICE IXIOSKI 150 SQ. FEET / 15 (OLF) = 10 CONDITIONS & SPECIFICATIONS TOTAL AREA 150 SQUARE FEET (GROSS): 10 OCCUPANTS CONDITIONS & SPECIFICATIONS (PLAUMBING & ELECTRICAL) NO. OF EXIT REQUIRED (LESS THAN 50 OCCUPANTS) = 1 (ONE) ADA ACCESSIBILITY DETAILS & NOTES NO. OF EXIT PROVIDED = 2 (TWO) DESIGN RENDERINGS/ 3D VIEWS FLOOR PLANS, FINISH SCHEDULE & NOTES AND DESIGN RENDERINGS EXTERIOR ELEVATIONS & OVERALL SECTIONS PLUMBING CODE W/ CURRENT AMENDMENTS ELECTRICAL CODE W/ CURRENT AMENDMENTS MECHANICAL CODE W/ CURRENT AMENDMENTS CABINETRY & CONSTRUCTION DETAILS 2010 TITLE 24 ENERGY STANDARDS SIGNAGE DETAILS F APPLICABLE BUILDING CODES AND AMERICAN W/ FINISHES & MATERIALS - FIRE RATING/ CODE COMPLIANCE DATA FIRE CODES W/ AMENDMENTS (OR LATEST) ELECTRICAL ELECTRICAL SPECIFICATIONS, GENERAL NOTES & INDEX OF DRAWINGS ELECTRICAL SPECIFICATIONS, SINGLE LINE DIAGRAM & SYMBOLS LEGEND ELECTRICAL POWER & LIGHTING PLANS & FOLIPMENT SCHEDULE FIRE DEPARTMENT ELECTRICAL PANELL & LIGHT FIXTURE SCHEDULES AND DETAILS TITLE 24 (T-24) ENERGY COMPLAINCE FORMS & LIGHTING CONTROL DIAGR PLUMBING LANDLORD : PLUMBING SPECIFICATIONS & GENERAL NOTES TENANT COORDINATOR (KIOSKS): TEL: EMAIL: PLUMBING PSCHEDULES PLUMBING RISER DIAGRAMS OWNER/ TENANT : PLUMBING PLANS (WATER & GAS/ WASTE & VENT) OWNER/ TENANT'S NAME, CONTACT INFO, ADDRESS & TEL/ FAX. NUMBERS PLUMBING DETAILS **EDIT/ CHANGE** ARCHITECT/ DESIGNER/ FABRICATOR

### LANDLORD APPROVAL STAMP & NOTES:

LEAVE BLANK FOR APPROVAL STAMP/ COMMENTS

VICINITY PLAN:

### **KEY PLAN**

ANY VARIANCE BETWEEN THESE APPROVED DRAWINGS AND THE ACTUAL SITE CONDITIONS WILL BE THE TENANT'S RESPONSIBILITY.

WINDOW

REVISION

DATUM POINT

- DETAIL NUMBER

-SHEET NUMBER

PARTITION / WALL TYPES

CHANGE OF FLOOR ELEVATION

LANDLORD REQUIRED NOTES:

THE TENANT'S CONTRACTOR IS TO SCHEDULE THE PRE-CONSTRUCTION MEETING WITH THE MALL OPERATIONS PLEASE BRING COPES OF THE APPROVED DRAWINGS & ALL FEGURED DOCUMENTS AS DENTIFIED IN THE FILLES AND REGULATION.

NEW FOOD KIOSK REQUIRE QUARRY TILE FLOOR & BASE OVER A WATERPROOF MEMBRANE. REVIEW MATERIAL SPECIFICATION WITH THE MALL OFERATIONS; WATERPROOFING IS TO CONTINUE UP THE WALLS A MINIMUM OF 8' BEHND 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 FIREPROCFED - REPAIR ANY DAMAGE DURING DEMOLITION AND MAINTAIN THE EXISTING THE RATING. ALL SECURITY DEVICES TO BE CONCEALED. LOW PROFILE SECURITY CAMERAS ARE TO BE FULLY INTEGRATED INTO KIOSK DESIGN.

BHOW EXACT LOCATION ON OVERALL MALL PLAN 

COMPANY NAME , ADDRESS & TEL/ FAX. NUMBERS

**EDIT/ CHANGE** 

- OWNERY TEMANTS NAME EDITY CHANGE

TITLE SHEET

SCALE : NONE ISSUE DATE: 77-77-2012

**EDIT/ CHANGE** SHEET AO.O

ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL. & FAX NUMBERS

**EDIT/ CHANGE** 

ARCHITECT/ DESIGNER/ FABRICATOR

PROFESSIONAL SEAL (IE REQUIRED)

CONSULTANT'S COMPANY NAME & LOGO

COMPANY TEL & FAX NUMBERS

**EDIT/ CHANGE** 

PROJECT/ TENANT'S NAME & LOGO

**EDIT/ CHANGE** 

CONSTRUCTION DOCUMENTS

Approved by: ????

This document contains information proprietary to **COMPANY NAME**Architects his artif is furnished in containne for the limited purpose of evaluation
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purpose and may not be espectuated or declosed to others without the prior
within content of COMPANY NAME.

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COMPANY ADDRESS

CONSULTANT:

PROJECT NAME:

REVISIONS :

### **EDIT/ CHANGE DEFERRED SUBMITTAL LIST:**

THE FOLLOWING IS THE LIST OF DEFERRED SUBMITTAL REQUERED BY THE BUILDING DEPARTMENT WHICH WIL REQUERED BY THE BULDING DEPARTMENT WHICH WILL BE UNDEFINED BY DEBENDED, CONTROLTORS SUPPLIES AND ORI SIZE OFFICIAL STREET, AND ORI SIZE OFFI SIZE

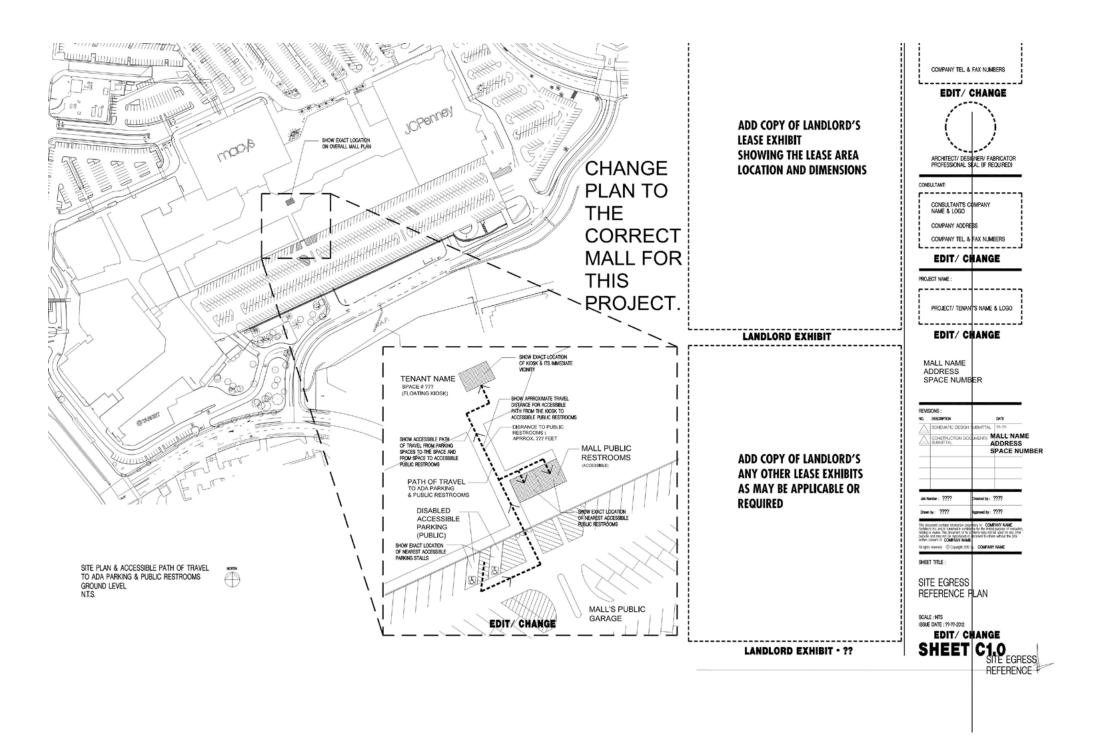
2. FIRE SUPPRESSION (SPRINKLER) SYSTEM IF APPLICABLE

3. FIRE ALARM & SMOKE DETECTION SYSTEM FAPPLICA 4. ELECTRICAL & PLUMBING FAPPLICABLE

### EDIT/ CHANGE **SCOPE OF WORK:**

SCOPE OF WORK FOR THIS SLBMITTAL IS LIMITED TO REMODELING TENANT IMPOVEMENTS FOR A NEW YORK WORK THAT SEVEN AND ASSET OF THE WORK THAT SEVEN AND ASSET OF THE WORK OF THE WORK





### **CONDITIONS AND SPECIFICATIONS:**

TABLE OF CONTENTS DIVISION 0: CONDITIONS OF THE CONTRAC 00700 GENERAL CONDITIONS (AIA A201-1997) 00800 SUPPLEMENTARY CONDITIONS DIVISION 1: GENERAL REQUIREMENTS GENERAL REQUIREMENTS
SUMMARY OF WORK
ADMINISTRATIVE REQUIREMENTS
QUALITY REQUIREMENTS
TEMPORARY FACILITIES AND CONTROLS PRODUCT REQUIREMENTS SUBSTITUTIONS AND PRODUCT OPTIONS 01630 DIVISION 2: SITE CONSTRUCTION DIVISION 3: CONCRETE 03540 CEMENTITIOUS LINDERLAYMENT DIVISION 4: MASONRY DIVISION 5: METALS
05500 METAL FABRICATIONS
05700 ORNAMENTAL METALS DIVISION 6: WOOD AND PLASTICS
06105 MISCELLANEOUS ROUGH CARPENTRY
06200 FINISH CARPENTRY
ARCHITECTURAL WOODWORK DIVISION 7 07560 07810 07840 07900 THERMAL AND MOISTURE PROTECTION ROOF REPAIRS PATCHING EXISTING FIREPROOFING FIRESTOPPING JOINT SEALERS DIVISION 8: DOORS AND WINDOWS 08110 STEEL DOORS AND FRAMES WOOD DOORS AND FRAMES
ACCESS DOORS AND PANELS
HARDWARE
GLASS 08200 08310 08700 08810 DWISION 9: FINISHES
09260 CYPSUM BOARD ASSEMBLIES
09300 TILE
09510 ACQUISTICAL CEILINGS WOOD FLOORING RESILIENT TILE FLOORING RESILIENT SHEET FLOORING PAINTS AND COATINGS DIVISION 10: SPECIALTIES DIVISION 11: EQUIPMENT DIVISION 12: FURNISHINGS DIVISION 13: SPECIAL CONSTRUCTION DIVISION 15: MECHANICAL (REFER TO MECHANICAL DRAWINGS) DIVISION 16: FLECTRICAL (REFER TO ELECTRICAL DRAWINGS)

### **EDIT/ CHANGE**

### DIVISION ZERO: CONDITIONS OF THE CONTRACT

SECTION 00700 - GENERAL CONDITIONS

A. GENERAL CONDITIONS: THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA DOCUMENT A201, 1997 EDITION, IS A PART OF THIS CONTRACT, AND SHALL GOVERN WORK.

. GOVERN WORK.

1. A COPY WILL BE MADE AVAILABLE BY ARCHITECT LIPON REQUEST.

SECTION 00800 - SUPPLEMENTARY CONDITIONS

A. CONDITIONS AND REQUIREMENTS: GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND DINSION 1, GENERAL REQUIREMENTS CONTIAN INFORMATION INCESSARY FOR COMPLETION OF DEVERY PART OF PROJECT.

B. DINSION 1: WHERE PROVISIONS OF GENERAL CONDITIONS RELIZE TO PROJECT ADMINISTRATION OF MORN-FEALTER REQUIREMENTS OF THE CONTRACT, THOSE PRAGRAPHS ARE DEPANDED IN DIMSION 1.

C. SUBCONTRACTORS: CONTRACTOR AGREES TO BIND SUBCONTRACTORS AND MATERIAL SUPPLIERS TO TERMS OF GENERAL AND SUPPLIEMENTARY CONDITIONS, INCLIDING ARBITRATION.

PAYMENTS: SEE CONSTRUCTION CONTRACT.

Patients: See Construction Contract.

NISCULANCE AS APPROVED BY LUNDORD/TENANT.

MISCELLARGOUS DETINITIONS:

1. APPROVED. FOURES WRITTEN ACTION BY ARCHITECT AS DOES TERMS SUCH AS DIRECTED, SELECTED, REQUIRED, ORDERED, DESIGNATED, ACCEPTED, ACCEPTABLE, AND SATISFACTORY FURNISH: SUPPLY AND DELIVER TO PROJECT, UNLESS OTHERWISE STATED IN

GREATER DETAIL

GREATER DETAIL.

3. INSTAIL: OPERATIONS AT PROJECT, FROM INSPECTING AND UNLOADING, TO COMPLETION IN PLACE, READY FOR INTENDED USE.

4. PROVIDE: FURNISH AND INSTAIL, COMPLETE AND READY FOR INTENDED USE, UNLESS OTHERWISE STATED IN GREATER DETAIL.

### DIVISION ONE: GENERAL REQUIREMENTS

SECTION 01100 - SUMMARY OF WORK

SCOPE: PROJECT CONSISTS OF CONSTRUCTION OF THE 'BARE ESCENTUALS' STORE AS

A SCORE PROJECT CONSISTS OF CONSINULUIN OF THE BONE EXAMINALS STATE AS MINORATED IN CONTRACT DOCUMENTS.

1. ITEMS NOTED THE (NOT IN CONTRACT) WILL BE FURNISHED AND INSTALLED BY LANDLORP (FURNAT OR UNDER SEPARATE CONTRACT).

2. HAZARODUS MATERIALS: NOT IN CONTRACT; LANDLORD WILL PROVIDE FOR HAMBURG OF HAZARODUS MATERIALS: NOT IN CONTRACT PRIOR TO THIS PROJECT, IT HAZARODUS MATERIALS SHORT SEPARATE CONTRACT PRIOR TO THIS PROJECT, IT HAZARODUS MATERIALS SHORT SEPARATE CONTRACT PRIOR TO THIS PROJECT, IT HAZARODUS MATERIALS SHORT SEPARATE CONTRACT PRIOR TO THIS PROJECT, IT HAZARODUS MATERIALS SHORT SEPARATE CONTRACT PRIOR TO THE PROJECT, IT HAZARODUS MATERIALS SHORT SEPARATE CONTRACT PRIOR TO THE PROJECT STATE OF THE P

H BUILDING MANAGEMENT. CONTRACTOR USE OF PREMISES: LIMIT TO AREAS INDICATED ON DRAWINGS AND AS SPECIFIED;

C. CONTRACTOR USE OF PREMISES. LIMIT TO AREAS INDICATED ON DRAWINGS AND AS SPECIFIED; LIMIT ACCESS AS DIRECTED BY TENTA & LANDLORD.

D. LINES AND LEVELS ENDIRECTIONS: ESTABLISH LINES AND LEVELS BY USE OF RECOGNIZED ENGINEERING. PROTECTION CONTROL AND REFERENCE POINTS. E. REGULATORY REQUIREMENTS: PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE CODES. COMEY WITH HIS COME REMINIST FOR CONSTRUCTION, INFORM ACCHIECT OF STANDARDS. ONE WITH STANDARDS FERENCED EXCEPT WARRE MORE RIGHT. STANDARDS. ONE WITH STANDARDS FERENCED EXCEPT WARRE MORE RIGHT. STANDARDS COME WITH STANDARDS FERENCED EXCEPT WARRE MORE RIGHT. ONE WITH STANDARDS FERENCED EXCEPT WARRE NOT EXCEPT WHICH STANDARD IS THAT IN EFFECT AS OF DATE DOCUMENTS ARE ESSUED, EXCEPT WHICH SPECIFIC DATE IS SPECIFIED. THE PROJECT AS INDICATED ON DRAWINGS TO BE DELIVERED TO PROJECT SITE FOR CONTRACTOR INSTALLATIONS.

CONTRACTOR SHALL INSPECT, RECEIVE, UNLOAD, STORE, INSTALL AND FINISH.

### SECTION 01300 - ADMINISTRATIVE REQUIREMENTS

A. PROCEDURES: CONTRACTOR SHALL REVIEW AND APPROVE SUBMITTALS PRIOR TO SUBMITTING TO TENANT'S PROJECT MANAGER; INFORM TENANT'S PROJECT MANAGER IN WRITING AT TIME OF SUBMISSION OF ANY PROPOSED DEVATION FROM CONTRACT DOCUMENTS.

MINISTRUCT OF ART PROTUNDED LEVERIDIDE FROM CONTRIGET DOCUMENTS.

1. SUBMITTAL SECONTRACTOR REPRESENTS THAT FERD MEASUREMENTS, FIELD CONSTRUCTION CORTERAL MATERIAS, CATALOS NUMBERS AND SMILAR DATA HAVE BEEN DETERMINED AND SMILAR DATA HAVE BEEN DETERMINED AND SMILAR DATA HAVE BEEN CONSTRUCT AND ASSESSMENT OF SMILAR DATA SHALL NOT SEE CONSTRUCT MANAGER SHALL BE FOR DESIGN CONCEPT ONLY AND SHALL NOT SEE CONSTRUCT AS APPROVING DEPARTMENT FROM CONCEPT ONLY AND SHALL NOT SEE CONSTRUCT AS APPROVING DEPARTMENT FROM

CONSTRUCTION PROGRESS SCHEDULE: BAR CHARTS OR CONTRACTOR'S STANDARD B. CONTROLLING TROBERS SCHEDULES, UPDATED REGULARLY, NO LESS THAN MONTHLY.

C. SCHEDULE OF VALUES, AA FORM G703 OR APPROVED FORMAT.

D. SHOP DRAWNES: SUBMIT ONE REPRODUCIBLE NOT TWO PRINTS, PROVIDE FOR CUSTOM PRODUCTS AND PRODUCTS NOT FULLY IDENTIFIED BY PRODUCT DATA.

PROJUCTS AND PROJUCTS NOT PICLE RESIDENCE BY CONTRACTOR PLUS TWO FOR TEMANT'S PROJECT MANAGER, INDICATE ITEM TO BE USED WHERE DATA FOR MORE THAN ONE PRODUCT OR OPTION IS INCLUDED; PROVIDE FOR EACH STOCK MANUFACTURED ITEM.
F. SAMPLES: PROVIDE SAMPLES FOR EACH TYPE OF EXPOSED FINISH, COLOR, AND TEXTURE;

MINIMUM SIZE 6", MAXIMUM SIZE 12" UNLESS OTHERWISE SPECIFIED; SUBMIT ONE SAMPLE FOR ARCHITECT TO RETAIN, ONE SAMPLE FOR FIELD OFFICE, AND NUMBER REQUIRED BY CONTRACTOR. MANUFACTURER'S CERTIFICATES: PROVIDE TWO.
 COORDINATION: COORDINATE USE OF PREMISES AND ACCESS TO SITE UNDER DIRECTION OF

LANDLORD/TENANT; COORDINATE WORK TO ASSURE EFFICIENT AND ORDERLY SEQUENCE OF

LANDLORD/TENMI; COORDINATE WORK TO ASSURE EFFICIENT AND ORDERLY SEQUENCE OF INSTALLATION OF CONSTRUCTION LEARNING ITEMS AND FOR SEPARATE CONTRACTS.

1. MAKE PROVISIONS FOR TENMIN INSTALLED ITEMS AND FOR SEPARATE CONTRACTS.

1. MAKE PROVISIONS FOR TENMIN INSTALLED GENERAL COMPARISE.

2. VERFIT VANCHITEMS OF THE TEMPLIFIED OF CONTRACTS AND EXPORTED OF INSTALLING, CONNECTION TO AND PLACING SIGNED FOURTH IN SETTING THE ORDER OF THE TEMPLIFIED AND EXCEPTION.

3. CORDINATE SPACE REQUIREMENTS AND INSTALLATION OF MECHANICAL AND ELECTRICAL WORK, CONCEAL PIPES, DUCTS, AND WINNERS IN PRINSED AREAS; COORDINATE LOCATIONS OF FUTURES AND OUTLIEST WITH FINISHES.

1. PROJECT MEETINGS: SCHEDULE AND ADMINISTER MEETINGS, MAKE PHYSICAL ARRANGEMENT, PREPARER CARRIAN, PRESIDE AT MEETINGS AND RECORD MINUTES.

### SECTION 01400 - QUALITY REQUIREMENTS

GENERAL: MAINTAIN QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PRODUCTS,

SERVICES, SITE CONDITIONS AND WORKMANSHIP.

B. MANUFACTURER'S FIELD SERVICES: WHEN SPECIFIED IN RESPECTIVE SPECIFICATION SECTIONS, REQUIRE MANUFACTURER OR SUPPLIER TO HAVE QUALIFIED PERSONNEL PROVIDE ON—SITE OBSERVATIONS AND RECOMMENDATIONS.

ERNATIONS AND RECOMMENDATIONS.

A REPRESENTANT SHALL:
A REPRESENTANT SHALL:
A REPRESENTANT SHALL:
A RESERVE FELD MASSIM FAME METHOD CONTINUES OF SURFACES, OBSERVE
A RESERVE FELD MASSIM FAME METHOD CONTINUES OF SURFACES, OBSERVE
B. PROVINE RECOMMENDATIONS FOR INSTALLATION AND WORKMANCHIP.
C. WHITER REQUIRED, START, TEST, AND ADJUST COUPPEUT MAS PREPLICABLE.
D. SUBMIT WRITTEN REPORT TO TEMMET'S PROFICE MANAGER OF SOSSERATIONS.
MOCK-LIPS: CONSTRUCT FELD SAMPLES AND MOCK-LIPS ON SITE AS REQUIRED.
RESINCE LOBOORDY SERVICES. TESTING SHALL BE FAM APPROVED TESTING LUDORATORY,
RESINCE LOBOORDY SERVICES. TESTING SHALL BE FAME APPROVED TESTING UNL DORATORY,
RESINCE LOBOORDY SERVES. TESTING SHALL BE FAME FOR BY TEMMET MASSIME FOR GROWING.
TESTING PECURED WILL BE FAME FOR BY TEMMET MASSIME FOR GROWING.
2. CONTRACTOR SHALL FURNISH MATERIALS AND SAMPLES FOR TESTS AND SHALL ASSIST
TESTING LIBRORITORY OF REQUISITED.

### SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS

SECTION OF SOME - LEMPORARY FACULIES AND CONTROLS AND TEMPORARY CONTROLS AS REQUIRED TO COMPLETE PROJECT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND TO CONFORM WITH REQUIREMENTS OF APPLICABLE AUTHORITIES.

1. CONTRACT GOVERNING AUTHORITIES TO ESTABLISH EXTRAT OF TEMPORARY FACULITES AND TEMPORARY FOWER. PROVIDE POWER SERVICE AND LIGHTING REQUIRED FOR OPERATIONS.

8. TEMPORARY FOWER. PROVIDE POWER SERVICE AND LIGHTING REQUIRED FOR OPERATIONS BY MITH BROWNEN HIMMS AND USERSTORMS BOXES LICENSE TO ALLOW SERVICE AND LIGHTING BY WITH BROWNEN HIMMS AND USERS SERVICE AND LIGHTING BY WITH BROWNEN HIMMS AND USERS SERVICE. AND SERVICE AND SANITARY SERVICES: PROVIDE AND MAINTAIN REQUIRED DRINKING WATER AND SANITARY FACULITIES WITH POLICIOSIDES.

1. NOSES, DUST, AND POLLITION CONTROL. PROVIDE MATERIALS AND EQUIPMENT RECESSARY TO COMPLY WITH LOAD. REQUIREMENTS FOR MOSE SON, THE POLICY AND POLLITION CONTROL.

E. BANGRIES, PROVIDE AS REQUIRED TO FORDIES MATERIALS AND EQUIPMENT RECESSARY TO COMPLY WITH LOAD. REQUIREMENTS FOR MOSE SET PLANS.

2. SECURITY MAINTAIN SITE AND MATERIALS SECURE DURING CONSTRUCTION FERIOR.

2. SECURITY MAINTAIN SITE AND MATERIALS SECURE DURING CONSTRUCTION FERIOR.

2. SECURITY: MAINTAIN SITE AND MATERIALS SECURE DURING CONSTRUCTION PERIOD.

CLEANING: CONTROL ACCUMULATION OF WASTE MATERIALS AND RUBBISH; DISPOSE OF OFF-SITE AT INTERVALS APPROVED BY TENANT'S PROJECT MANAGER AND ACCEPTABLE TO

OFF-STE AT INTERNALS APPROVED BY TENANT'S PROJECT MANAGER AND ACCEPTABLE TO APPLICABLE ANTHORIES.

G. SORS SUBJECT TO APPROVAL OF TENANT'S PROJECT MANAGER.

H. FIELD OFFICE. PROVIDE WEATHER-THORT PRED OFFICE, WITH LIGHTING, ELECTRICAL OUTLETS, HEATING, AND VENTILATING EQUIPMENT, AND COUPPED WITH FURNITURE.

1. TIELPHONE SERVICE: PROVIDE TEEPHONE SERVICE AND FAX SERVICE TO SITE DURING CONTROL SERVICE. PROVIDE TEEPHONE SERVICE AND FAX SERVICE TO SITE DURING CONTROL SERVICE PROVIDE TEEPHONE SERVICE AND FAX SERVICE AND FAX SERVICE TO SERVICE PROVIDE PROVID

### SECTION 01600 - PRODUCT REQUIREMENTS

SECTION 01600 — PRODUCT REQUIREMENTS

A. CONTROCT MOUNT. BEST OWN METRIALS AND PRODUCTS IN CONTROCT DOCUMENTS, WHERE LISTED IN CONTROCT DOCUMENTS, MITERIALS AND PRODUCTS BY MANUFACTURERS NOT LISTED SHALL NOT BE USED WITHOUT WRITED APPROVAL.

B. PRODUCTS: COMPONENTS SUPPLIED IN QUANTITY SHALL BE INTERCHANGEABLE, PROVIDE NEW MATERIALS UNLESS OTHERWISE DIESTED IN CONTROCT DOCUMENTS.

C. MISTALLATION: ROSSES OTHERWISE DIESTED IN CONTROCT DOCUMENTS.

C. MISTALLATION: ROSSES OTHERWISE DIESTED IN CONTROCT PROJECTION FOR THE CONTROL TO THE CONTROL OF THE MAIN ACCORDANCE WHEN NO LONGER NEEDED.

CONSTRUCTION OF PROTOCES, TEMPORE WHEN NO LONGER NEEDED.

### SECTION 01630 - SUBSTITUTIONS AND PRODUCT OPTION

A SUBSTITUTIONS AND PRODUCT OPTIONS: PROVIDE PRODUCTS INDICATED OR APPROVED. REQUESTS FOR SUBSTITUTIONS OF OTHER PRODUCTS WILL BE CONSIDERED IF SUBMITTED IN

CONTRACTOR OPTIONS: PROVIDE PRODUCTS AND MANUFACTURERS NAMED IN

1. CONTRACTOR OPTIONS: PROVIDE PRODUCTS AND MANUFACTURERS NAMED IN SPECIFICATIONS, SUBMIT REQUEST FOR SUBSTITUTION FOR PRODUCTS AND MANUFACTURERS NOT SPECIFICALLY MANDE MHERE NAMES ARE LUSTED.
2. SUBSTITUTIONS: CONTRACTOR SAMEL, MASCISTAGT PROPOSED SUBSTITUTIONS AND DETERMINE IF EQUIMALENT TO PRODUCTS SPECIFIED. SUBMITIVES SHALL INCLUDE: COST OR TIME MEDICATES OF SUBSTITUTIONS, PAULIE TO INDICATE COST OR THE EMPERT IS JUSTIFICATION FOR REJECTION FOR REJECTION FOR THE CONTRACTOR HIS MASCISTAGTED PROPOSED PRODUCTS AND DETERMINES IT MESTS OR PETERS SPECIFIED PRODUCTS AND WAVES CLAIMS FOR ADDITIONAL COSTS THAT SUBSEQUENTLY BECOME

APPAMENT.

A RACHITECT'S DUTIES: TENANT'S PROJECT MANAGER SHALL BE JUDGE OF ACCEPTABLITY AND RESERVES RIGHT TO REJECT PROPOSED SUBSTITUTION BASED ON INSUFFICIENT INFORMATION; USE ONLY SUBSTITUTIONS APPROVED IN WRITING, TENANT'S PROJECT MANAGER HAS THE RIGHT TO EMPLOY ARCHITECT TO EVALUATE AND APPROVE SUBSTITUTIONS.

### SECTION 01700 - EXECUTION REQUIREMENTS

A. INSTALLER QUALIFICATIONS: INSTALLERS TO HAVE MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE INSTALLING TIBUS SIMILAR TO THOSE REQUIRED FOR PROJECT, EXCEPT FOR INMOVIDUALS IN TRAINING UNDER DIRECT SUPERVISION OF EXPERIENCED INSTALLER. HIS EXAMINED.

B. EXAMINATION: BECOMINION INSTALLATION OF A PRODUCT SIGNIFIES INSTALLER HIS EXAMINED SUBSTRATES, AREA, AND CONDITIONS FOR COMPLIANCE WITH MANUFACTURE REQUIREMENTS FOR TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE.

C. MANUFACTURES' INSTITUCTIONS, UNETWOOR WITH MANUFACTURERS' RECOMMENDATIONS OR INSTRUCTIONS, DISTRIBUTE COPIES TO PERSONS INVOLVED, AND MAINTAIN ONE SET IN TELLO THERE.

ONE SET IN FIELD OFFICE.

D. INSTALLATION COUNEY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS UNLESS MORE RESTRICTIVE REQUIREMENTS AND SEPECIFICATION OF THE PROPERTY AND STREET, PROVIDE VENTATION TO AND CONCESSIONAND NOT TRAPPING WITHER WITH IMPERIOUS SHEET, PROVIDE VENTATION TO AND CONCESSIONAND NOT TRAPPING WITHER WITH IMPERIOUS SHEET, PROVIDE VENTATION TO AND CONCESSIONAND OF THE COMPONENTS AS REQUIRED; PATCH DISTURBED AREAS TO MARCH ADJUSTMENT MATERIANS AND RISNESS.

TO MATCH ADJACENT MATERIAS AND FINISHES.

1. RETINISHEN'S REFINISH DITIES SURFACES AS NECESSARY TO PROVIDE EVEN FINISH TO MATCH ADJACENT FINISHES; FOR CONTINUOUS SURFACES RETINISH TO NEAREST MITIESTECTION, FOR AN ASSEMBLY RETINISH DITIES.

6. FINIA. CLEANING: CLEAN INTERIOR AND EXTERNEY SURFACES PROPED TO VEW, REJOVE TEMPORATY LIGIES, STANS, AND FOREON SUSFITANCES, PUSUAL TRANSPARENT AND GLOSSY SURFACES, WICHOM CAPPETED AND SOFT SIRREYS, CLOAN DUCK LEEN STEEL.

7. SUBSTANTIAL COMMETITION PROVIDE DOCUMENTATION STRINGS (CLEAN STEEL.) COMPLETED. WHERE OWNER REQUIRES USE OF SPACE PRIOR TO FINAL COMPLETION, PROVIDE LIST OF ITEMS TO BE COMPLETED.

COMPLETE, WHERE OWNER REQUIRES USE OF SPACE PRIOR TO FINAL COMPLETION, PROVIDE LIST OF ITEMS TO SE COMPLETION. OF ITEMS TO SE COMPLETION AND TO SHAPE THE STATE OF THE STATE O

### SECTION 01735 - SELECTIVE DEMOLITION

A SELECTIVE DEMOLITION: REMOVE FROM SITE EXISTING MATERIALS, CONSTRUCTION AND UTILITIES AS NEEDED TO COMPETE PROJECT, REMOVE EXISTING ELEMENTS INDICATED AND DEMOCRATIC AND DEMOCRATIC REPORT OF THE PROJECT OF REPORT OF THE PROJECT, REPLACE OF REPARE ELEMENTS UNDICESSERVE VERWINGED OF DOMACED DURING CONSTRUCTION.

2. CAREFULLY REMOVE AND STORE THESI INDICATE FOR REUSE IN PROJECT AND COORDINATE WITH OTHER TRADES FOR MODIFICATIONS AND REINSTILLATION.

3. PROJECTION: PROPERTY MODIFICATION AND SETLIFICATION OF ADJUNCTIC STRUCTURE, PROVIDE BRACING, SHORING, AND UNDERPINNING AS REEDED AND BE RESPONSIBLE FOR SAFETY AND SUPPORT OF STRUCTURES. ASSUME LABILITY FOR SUCH MOVEMENT AND SETTLEMENT. 4. UTILITIES, CONTACT APPLICABLE UTILITY COMPANIES PRIOR TO DISCONNECTING UTILITIES:

DISCONTINUE WORK IF UNEXPECTED UTILITY LINES ARE ENCOUNTERED. DETERMINE LINE SOURCE AND USE PRIOR TO REMOVAL. CAP AND IDENTIFY EXISTING UTILITY LINES REMOVED.

### SECTION 01800 - SYSTEMS DEMONSTRATIONS

A. SUMMARY: PROJECT INCLUDES SPECIAL FACILITY START-UP PROCESS TO BRING FACILITY TO FULLY OPERATIONAL STATE, FREE OF DEFICIENCIES, IN MOST EFFICIENT AND TIMELY MANNER

### DIVISION TWO: SITE CONSTRUCTION

### DIVISION THREE: CONCRETE

SECTION 03540 - CEMENTITIOUS UNDERLAYMENT

A. GENERAL: PROVIDE POURED COMENTATIONS UNDERLANMENT SYSTEM, NOT INTENDED AS FINISHED TRAFFIC SURFACE, INCLUDING ACCESSORES AS REQUIRED FOR COMPLETE INSTALLATION, B. INSTALLER FINISH MINTH MINIMANUAL SYMEMS SUCCESSORE DEPERENCE, REQUIRED FOR COMPLETE INSTALLATION OF SPECIFIED METERALS, PROPERTY EQUIPPED AND ACCEPTABLE TO MANUFACTURER. SUBMITIMALS THROUGH MUNIFACTURER SITEMAN MUNIFACTURERS LITEMATURE.

D. MANUFACTURER: ARDOS, NO. /K-15; W.R.BONGAL CO. /SELF-LECTLING WEAR TOPPING.

E. SYSTEM-POURBLE CEMENTITION, HIGH-STRENCHE, FAST-SSTITION, (NON-SHIPM),

SELF-LECTLING UNDERLAYMENT; MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, ASTM.

49.
INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND INSTALLATION

### DIVISION FOUR: MASONRY

### DIVISION FIVE: METALS

SECTION 05500 - METAL FABRICATIONS

GENERAL: PROVIDE MISCELLANEOUS METAL SHAPES AND FABRICATIONS AS REQUIRED AND NOT LUDED AS PART OF OTHER SECTIONS, WITH ANCHORS AND ACCESSORIES AS REQUIRED FOR

ABLUED AS PART OF OTHER SECTIONS, WITH ANCHORS AND ACCESSIONES AS REQUIRED AS COMPLETE INSTALLATION.

B. SUBMITTALS: FURNISH SHOP DRAWNINGS FOR CUSTOM FABRICATIONS, PRODUCT DATA FOR MANUFACTURED INTESS, PROVIDE TEMPLATES FOR ANCHORS INSTALLATION BY OTHERS.
C. STEEL SHAPES: ASTM ASS STEEL.
O. GROUT: PROVIDE NON-SHRINK, NON-METALLIC, PRE-MIXED, FACTORY PACKAGED, NON-STRONK, NON-METALLIC, PRE-MIXED, FACTORY PACKAGED, NON-METALLIC, PRE-MIXED, PROMISED, NON-METALLIC, PROMISED, PROMISED, NON-METALLIC, PRE-MIXED, PROMISED,

NON-SIANING, NON-CORROSIVE, NON-CASCOUGH STROOT, THE SPECIFICALLY RECOMMENT.
MANUFACTURER FOR APPLICATIONS INDICATED.
E. FASTENERS AND ROUGH HARDWARE: TYPE EQUIRED FOR SPECIFIC USAGE; PROVIDE
E. FASTENERS AND ROUGH HARDWARE: TYPE WHERE BUILT INTO EXTERIOR WALLS. WELDING MATERIALS: AWS D1.1, TYPE REQUIRED FOR MATERIALS BEING WELDED.
PAINT: PROVIDE PRIMERS AS RECOMMENDED BY PAINT MANUFACTURERS FOR SUBSTRATES AND

G. PAINT: PHOTOLE PRINCES AS RECOMMENDED BY PAINT AMADIACIDEDS FOR SUBSTRAILS AND PAINTS SECRETED IN SECTION GOODS — PAINTING.

1. GALWARDAN REPARA PAINT: RIGHZ ZIRC-DUST CONTENT PAINT FOR REGULAWAIZING RELIABLY AND PROPERTY SECURED, CRIMO BELLOS TO CONTINUOUS, GANCOTH MOD FLICH WITH ADMICTAT FIRSHED SURFACES, AND EASE EMPOSED DEEDS TO APPROXIMATE 1/32" UNFORM MODIUS.

1. WANGE EMPOSED JOINTS FLIGH BUTT THYE, HARRIAGE JOINTS WHERE MECHANICALLY FLICKTIVE TO THE MECHANICALLY

PASIENDU.

2. FIT AND SHOP ASSEMBLE IN LARGEST PRACTICAL SECTIONS FOR DELIVERY.

1. FINISHES: GALVANIZE AND PRIME PAINT EXTERIOR MISCELLAMEOUS METAL, PRIME PAINT INTERIOR MISCELLAMEOUS METAL; GALVANIZE COATING MINIMUM G90 COATING, GALVANIZED AFTER EMPROYADIA.

CLEAN SURFACES OF RUST, SCALE, GREASE AND FOREIGN MATTER PRIOR TO APPLYING GALVANIZED OR PAINTED FINISH.

GALVANIZED OR PAINTED FINISH.

INSTALLATION: INSTALL ITEMS SQUARE AND LEVEL, ACCURATELY FITTED AND FREE FROM DISTORTION OR DEFECTS DETRINENTAL TO APPEARANCE OR PERFORMANCE; ENSURE ALIGNMENT WITH ADJACENT CONSTRUCTION; COORDINATE WITH RELATED WORK TO ENSURE NO INTERRUPTION JATION.
SUPPLY ITEMS REQUIRING TO BE CAST INTO OR EMBEDDED IN OTHER MATERIALS TO

1. Support Heigh Requirement of Be used into the reduced in other materials to Appropriate Trades.

2. After installation, touch—up field welds and scratched and damaged Suppraces; use preimer consistent with shop coat or recommended for Galvanized Surfaces, as applicable.

(CONDITIONS & SPECIFICATIONS CONTINUE ON SHEET A02)

LEAVE BLANK FOR APPROVAL STAMP/ COMMENTS ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

### **EDIT/ CHANGE**

ARCHITECT/ DESIGNER/ FABRICATOR PROFESSIONAL SEAL (IF REQUIRED)

### CONSULTANT:

CONSULTANT'S COMPANY

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

### **EDIT/ CHANGE**

PROJECT NAME .

PROJECT/ TENANT'S NAME & LOGO

### **EDIT/ CHANGE**

REVISIONS · NO. DESCRIPTION A SCHEMATIC DESIGN SUBMITTAL 22-22-2012 CONSTRUCTION DOCUMENTS ?-??-2012 Job Humber: ???? Charlest by: 7777 Deputy: ???? Append by : ????

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SHEET TITLE:

CONDITIONS AND **SPECIFICATIONS** 

SCALE - NONE ISSUE DATE: ??-??-2012 **EDIT/ CHANGE** 

### **CONDITIONS AND SPECIFICATIONS:**

### DIVISION FIVE: METALS (CONTINUED)

SECTION 05700 - ORNAMENTAL METALS

. General: Provide custom ornamental metal items as indicated with ccessories and attachment devices as required for complete, finished stallation.

1. PROVIDE BREAK METAL SHAPES AS INDICATED ON DRAWINGS.
 C. SUBMITTALS: FURNISH PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES OF EACH EXPOSED METAL FINISH.

EAP-03-ED METAL FINISH.

D. FABRICATOR: FIRM WITH MINIMUM FIVE YEARS SUCCESSFUL EXPERIENCE FABRICATING
ORNAMENTAL METAL ITEMS SIMILAR TO THOSE REQUIRED FOR PROJECT.

UNIOWARDUM, EICH. INCOMES SINUAN I OTIOS REQUIRED TO FRANCES.

E. STAINLESS STEEL ASTM A666, TYPE 302/304 CORROSION RESISTANT STAINLESS

STEEL WITH NO. 4 SAIND DIRECTIONAL FINISH.

F. ALUMINUM: MINIMUM ASTM B203, 6061-T6 PLATE AND SHEET, ASTM B221, 6063-T6

EXTRUSIONS, SIZED FOR STRENGTH AND DURBRUTH CONSISTENT WITH APPLICATION INVOLVED

LVED.

1. FINISH: PROVIDE FACTORY FORMULATED POLYESTER TGIC POWDER COATING
MATERIALS INTENDED FOR POWDER COATING APPLICATION CUSTOM COLOR AS

MATERIAL THE THREE CONTROL PROVIDED CONTROL PURPOSE AND SUPPOSES MAY BE STEELD FROM MATERIAL THREE CONTROL PROVIDED AND SUPPOSES MAY BE STEEL SUPPOSED TEMS TO MATCH ORNMANIAN METAL THE MOT PROVIDE OF THE FORDING TO AN SPECIAL CLASS AS SECOND CLASSE, FORDING CLASSE AND FINISH OF METAL BEING PROVIDE CONCELLED FASTINERS EXCEPT WHERE SPECIALLY APPROVED, WHERE EXPOSED MATCH TIPE AND FINISH OF METAL BEING FASTINERS.

CONCEALED STEEL FASTENERS: HOT-DIPPED GALVANIZED MINIMUM G90 WHERE BUILT INTO EXTERIOR WALLS OR SUBJECT TO HIGH HUMIDITY.

FABRICATION: FABRICATE COMPONENT CONNECTIONS TO SUPPORT SPECIFIED DESIGN

SELECT MATERIALS FOR STRAIGHTNESS, FREE OF DEFECTS AND IRREGULARITIES. EXPOSED—TO—VIEW SURFACES EXHIBITING PITTING, SEAM MARKS, ROLLER EXPOSED-TO-VIEW SURFACES EXHIBITING PITTING, SEAM MARKS, ROLLER MARKS, "OIL CANNING," STAINS, OSCOLORATIONS, AND IMPERFECTIONS ON FINISHED UNITS ARE NOT ACCEPTABLE.
 MAKE EXPOSED JOINS FLUSH BUTT TYPE, HAIRLINE JOINTS WHERE MECHANICALLY FASTENED; PROVIDE CONCEALED CONNECTION DEVICES WITH HIDDEN

SEPARATE DISSIMILAR MATERIALS WITH BITUMINOUS PAINT WHERE CONCEALED.

WITH PREFORMED SEPARATORS, OR SIMILAR METHOD TO PREVENT CORROSION. INSTALLATION: INSTALL ORNAMENTAL METAL ITEMS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INSTALLATION INSTRUCTIONS, AND APPROVED SHOP

INSTALL PLUMS TRUE AND IN CORRECT RELATION TO ADJACENT WORK FREE FROM DISTORTION OR DEFECTS 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

GENERAL: PROVIDE MISCELLANEOUS BLOCKING AND PLYWOOD. STANDARDS: COMPLY WITH REQUIREMENTS OF AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC), AMERICAN PLYWOOD ASSOCIATION (APA), AND APPLICABLE CODE

QUIREMENTS.

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; MININUM CONSTRUCTION GRADE S—DRY.

D. PLYWOOD: PROVIDE MININUM APA OF DE EXTERIOR (COX) PLYWOOD: STRESS RATED D. PLYWOOD: PROVIDE MINIMUM APA C-D EXTERIOR (CDX) PLYWOOD; STRESS RATE WHERE SPANING SUPPORTING MEMBERS; FIRE REFARMONT TERATES; MINIMUM 3/4" THICK UNLESS OTHERWISE INDICATED.

 PLYWOOD STANDARD: COMPLY WITH PS1 (ANSI A199.1).
 PLYWOOD STANDARD: COMPLY WITH PS1 (ANSI A199.1).
 PLYWOOD PARE BOARDS; PROVIDE PANEL BOARDS FOR ELECTRICAL AND COMMUNICATION PANEL BOARDS; APA C-D PULCED, INTERIOR TYPE PLYWOOD

WITH EYTERIOR CILIE FIRE RETARDANT TREATED: MINIMI IN 1/2" THICK

E. TREATED WOOD: PRESSURE TREAT WOOD IN CONTACT WITH CONCRETE AND WITH ROOFING; FIRE TREAT WOOD IN INTERIOR; FIRE TREAT BLOCKING AT ROOFING WHERE REQUIRED BY APPLICABLE AUTHORITIES.

RE REQUIRED BY APPLICABLE AUTHORITIES.

1. PRESSURE TRACTOR WHATE-BORNE PRESERVATIVES FOR ABOVE GROUND USE COMPORAINE TO AMPA CZ AND CS.

2. FIRE TREATER, CONFORM TO AMPA CZO AND CZ7, INTERIOR TYPE A AT INTERIOR APPLICATIONS, PASS ASTAI DZ898 RAIN TEST WHERE AT EXTEROR WALLS AND ROOT; DEDITY WITH FRIM.

3. KILK-DRY TREATED WOOD TO 19 % MOSTURE CONTENT AND DISCARD WARPED AND DAMAGED PIECES.

AND DAMAGED PIECES.
F. FASTEMER'S PROVIDE FASTEMER'S AS REQUIRED FOR COMPLETE, SECURE INSTALLATION OF MISCELLARGOUS ROUGH CARPENTRY; CALVANZED AT EXTERIOR LOCATIONS AND PRESSURE TREASED WOODS, SIZE AND THE TO SUIT PAPILICATION, PROVIDE WASHERS FOR NUTS AND BOUTS.
G. INSTALLATION COMPLY WITH REFERENCED STANDARDS AND APPLICABLE CODE

REQUIREMENT MENTS.
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.

CONSTRUCT MEMBERS OF CONTINUOUS PIECES OF LONGEST POSSIBLE
LENGTHS.
 FIT CARPENTRY WORK TO OTHER WORK; SCRIBE AND COPE AS REQUIRED FOR

6. SECURELY ATTACH CARPENTRY WORK TO SUBSTRATES BY ANCHORING AND FASTENING AS REQUIRED BY RECOGNIZED STANDARDS.

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 OR WOODWORK INSTITUTE OF CALLFORMING (INC.)

STANDARDS, INJURUA WIC/CUSTON GRADE.

C. SUBMITTALS: FURNISH PRODUCT DATA FOR MANUFACTURED ITEMS, SHOP DRAWINGS
FOR CUSTOM TRESS, SAMPLES OF EACH EXPOSED FINISH.

D. CERTIFICATION: CERTIFICATION WILL NOT BE REQUIRED.

CENTIFICATION: CENTER COMPLY WITH AWI OR WIC STANDARDS AND PRIVARY, STORAGE AND HANDLING: COMPLY WITH AWI OR WIC STANDARDS AND WOOD TRIM: PREMIUM GRADE FOR OPAQUE PAINT FINISH; WHITE BIRCH OR POPLAR

H. WOOD SHELVING: AWI OR WIC/CUSTOM GRADE, PARTICLEBOARD, OR HARDWOOD-FDGED PLYWOOD

I. ANCHORS, MAILS AND SCREWS: SELECT THE MATERIAL, TYPE, SIZE AND FINSH REQUIRED BY EACH SUBSTRATE FOR SECURE ANCHORACE; PROVIDE TOOHED STEEL OR LEAD EXPANSION BOLT SCREWS FOR DRILLED—IN-PLACE ANCHORSO. BOLT SCREWS FOR DRILLED—IN-PLACE ANCHORSO. BOLT STANDARD.

I. WOOD FILET. COLOR TO MAICH OND BEING FILLED.

K. PLABECATION: FABRICATE FINISH CAPPENTRY TENS IN ACCORDANCE WITH SPECIFED QUALITY STANDARD.

STANDARD.

L. INSTALLATION: INSTALL WORK CONSISTENT WITH SPECIFIED QUALITY GRADE, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS; SHIM AS REQUIRED, USING CONCEALED SHIMS. IRUE AND STRAIGHT WITH NO DISTORTIONS; SHIM 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

SEAL CONCEALED AND SEMI-CONCEALED SURFACES; BRUSH APPLY ONLY, USING PRIMER CONSISTENT WITH FINISH COATS SPECIFIED UNDER SECTION 09900 - PAINTS AND COATINGS.

### SECTION 06400 - ARCHITECTURAL WOODWORK

TEMAT FURNISHED AND PROVIDE MULESULVILLE AS READINGS FOR GENERAL TON COMMENTAL ATTOM.

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

C. SUBMITIALS: FIRMEN HOUSE! DUTA FOR CONTINUED FORMERS DISCUSSIONES INCLIDING SWIFTED OF EDUCATION MUTERALS. PARENTS OF EDUCATION MUTERALS. PARENTS OF EDUCATION MUTERALS. PROVIDED A CONTINUED FOR INSTALLATION FOR MUTERAL ACCHITECTURAL WOODWORK AS ROCARDED CORROBANCE ACCESSIONES REQUIRED TO INSTALLATION OF OWNER FURNISHED ARCHITECTURAL WOODWORK AS ROCARDED ARCHITECTURAL WOODWORK AS THE ACCOUNT WITH AMOUNT CHURRE RECOMMENDATIONS AND REFERENCES STANDARDS. THAT ESPECIAL CARE COORDINATING INSTALLATION OF OWNER FURNISHED ARCHITECTURAL WOODWORK AS THE AMENACYMENT OF WITH ACCHITECTURAL WOODWORK AS THE AMENACYMENT OF WITH A WOODWORK AS THE AMENACYMENT OF WATER OF WOODWORK AS THE WOODWORK AS THE

INSTALL WORK CONSISTENT WITH SPECIFIED QUALITY GRADE, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS

SCRIBE AND CUT FOR ACCURATE FIT TO OTHER FINISHED WORK. ENSURE MECHANICAL AND ELECTRICAL ITEMS AFFECTING ARCHITECTURAL WOODWORK ARE PROPERLY PLACED, COMPLETE, AND HAVE BEEN INSPECTED BY ARCHITECT PRIOR TO

PROPERLY PLACED, COMPLETE, AND HAVE BEEN INSPECTED BY ARCHITECT PRIOR TO COMMENCIATION OF INSTITLATION. SEPERHER AND BLOCKING WITH COLDITIONS OF INSTITLATION, CONCEASE FASTENERS AND BLIND MALINE AS REQUIRED FOR A COMPLETE INSTITLATION.

5. SCRIBE, AND OUT FOR ACQUIRED FIT TO OTHER THRISTED WORK.

6. ATTACH ARCHITECTURAL WOODWORK SECURELY IN PLACE WITH UNIFORM JOINTS PROVIDING FOR THERMAL AND BUILDING MOVEMENTS.

7. ACCEPTRIEL TOLERANCES.

A. WHENTIAN FROM TRULE POSITION: MAXIMUM 1/16" AT ANY POSITION AND MAXIMUM A. WHENTIAN FROM TRULE POSITION: MAXIMUM 1/16" AT ANY POSITION AND MAXIMUM 1/16" ANY POSITION AND MAXIMUM 1/16" AT ANY POSITION AND MAXIMUM 1/16" ANY POSITION AND MAXIMUM 1/16" AT ANY POSITION AND MAXIM

1/8" IN ANY 10'-0" LENGTH.
B. ADJOINING SURFACES OF SAME MATERIAL: NO VARIATION PERMITTED.

### DIVISION SEVEN: THERMAL AND MOISTURE PROTECTION

SECTION 07560 - ROOF REPAIRS

A. GENERAL: REPAIR EXISTING ROOFING SYSTEM AS REQUIRED FOR NEW CONSTRUCTION, WITH COMPONENTS AND ACCESSORIES AS REQUIRED FOR COMPLETE WEATHERTIGHT INSTALLATION. G.C. TO USE LANDLORD'S ROOFING CONTRACTOR.

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. OROGING SYSTEM MATCH EXISTING ROOFING, NO SUBSTITUTIONS PERMITTED; PROVIDE MATERIALS CAPABLE OF MANIFAINING EXISTING WARRANTES; CONFORM TO REQUIREMENTS OF NRCA

INC MANUAL.

1. SYSTEM: PROVIDE COMPLETE SYSTEM WITH ACCESSORIES AS REQUIRED FOR REPAIRS, INCLUDING INSULATION WHERE EXISTING ROOFING IS INSULATED. E. ROOF SYSTEM REPAIRS: COMPLY WITH MANUFACTURERS' RECOMMENDATIONS AND INSTRUCTIONS AND NRCA RECOMMENDATIONS FOR ROOF TYPE SPECIFIED.

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, WARES OR PROJECTIONS, AND ARE PROPERLY SLOPED TO DEMINS, WALLEY, OR EAVES.

3. INSULATION APPLICATION: ATTACH INSULATION IN ACCORDANCE WITH INSULATION

MANUFACTURER'S INSTRUCTIONS AND NRCA RECOMMENDATIONS FOR INSTALLATION OF

INSULATION ON DECK MODULED.

4. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF COMPOSITION THE BREE, WALL AND FIELD FLASHINGS.

5. COORDINATE INSTALLATION OF ROOF DWANTS AND RELATED FLASHINGS.

6. COORDINATE INSTALLATION OF ROOF DWANTS AND RELATED FLASHINGS.

6. COORDINATE INSTALLATION OF ROOF DWANTS AND RELATED FLASHINGS.

6. COORDINATE INSTALLATION OF ROOF DWANTS AND RELATED FLASHINGS.

6. COORDINATE INSTALLATION OF ROOF DWANTS OF THIS PROJECTIME THROUGH MICHIGANIC.

MAINTAIN ANY EXISTING ROOFING SYSTEM WARRANTIES.

SECTION 07810 - PATCHING EXISTING FIREPROOFING

GENERAL: PATCH EXISTING FIREPROOFING AS REQUIRED BY APPLICABLE CODES FOR

CONSTRUCTION TYPE: NO ASSESTIOS PERMITTED.

B. DESION REQUIENTIS? PROVIDE MATERIALS CAPAGE OF ATTAINING FIRE ARRINGS AS REQUIRED FOR TYPE I, FIRE RESISTING CONSTRUCTION.

C. PERFORMANCE REQUIREMENTS: PROVIDE MATERIALS LISTED BY U, OR INDEPENDENT TESTING AND INSPECTION ACREDIC ACCEPTAGE TO APPLICABLE AUTHORITIES.

I. FIRE RESISTANCE RAININGS COMPY WITH REQUIRE PARTINGS 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 APPLICATOR ACCEPTABILITY AND MATERIAL COMPLIANCE WITH APPLICABLE CODES AND CONTRACT DOCUMENTS. CERTIFICATION SHALL INDICATE NEW MATERIALS USED TO PATCH EXISTING FIREPROOFED

 CERTIFICATION SHALL ROUGHE NEW MICHENES USED 10 "PAICH EXSISTING REPRODUCED
MEMBERS AT NEW AND DESIGN WORK ARE COMMETTEE WITH EXISTING FIRE-PROOFING
MATERIALS AND LEET ALL PERFORMANCE FOR PROJUMENT OF PROJUMENT OF MAPILICATION FOR MACCEPHIREL TO MANUFACTURER OF FIRE-PROOFING
MATERIALS, WITH MINIMAN THE TARKS SUCCESSIVEL DEPERIENCE ON PROJUMEN OF THE TARKS SUCCESSIVEL DEPERIENCE ON PROJUMEN OF THE TARKS SUCCESSIVEL DEPERIENCE ON PROJUMEN OF THE TARKS SUCCESSIVEL DEPERIENCE ON PROJUMENT OF THE TARKS SUCCESSIVELY DEPERIENCE ON THE TARKS SUCCESSIVELY DEPORT OF THE TARKS SUCCESSIVELY OR ALBI MANUFACTURING DIVISION STANCHEM/DURASPRAY.

INSTALLATION: INSTALL IN ACCORDANCE MANUFACTURER RECOMMENDATIONS AND FIRE TEST

INSTALLATION: INSTALL IN ACCORDANCE MONUTARITISES RECOMMENDATIONS AND THE LESS
REQUITS AS REQUIRED TO PROVIDE EQUIRED FIFE ROUTED.
 PROTECT ADJUSTED TO PROVIDE COLORED TO THE MOST DAMAGE BY OVERSPRAY, FALLOUT, AND DUSTING, MASK ADJUSTED WORK AS REQUIRED. CLOSE OFF AND SEAL DUCT WORK IN ARCES WHERE PREPROVING IS BEING APPLIED.
 CLEAN SUBSTRIET OF BIRT, DUST, GRESCE, OIL LOSS MATERIAL, PANTS, PRIMERS, AND OFFICE AMERICAN HIGH PROCESS.
 AND OFFICE MANTER WHICH APPLIED THE PROPRIED PREPROCING.
 AND OFFICE MANTER WHICH APPLIED THE PROFILED PREPROCING.
 PER PARTICE PROPORTION IN SECURITIONS AND DESISTY TO ACHIEVE REQUIRED.

APPLY FIREPROOFING OVER SUBSTRATE, BUILDING TO REQUIRED THICKNESS WITH AS MANY PASSES OR STAGES NECESSARY TO COVER WITH MONOLITHIC BLANKET OF UNIFORM

SECTION 07840 - FIRESTOPPING

GENERAL: PROVIDE PENETRATION—TYPE FIRESTOPPING FOR TIME—RATED FLOOR, WALL, AND 
KITTION ASSEMBLIES CAPABLE OF PREVENTING PASSAGE OF FLAME, SMOKE AND HOT OKSES. 
COURSE: CONSTRIP TO APPLICABLE CODE REQUIREMENTS FOR BOTH F AND T HARNES. 
STAMBARDS: PASS ASIT BEST HIPRODES-FERTIFICATION FIRE STOPP, ASTIM ET 19 FIRE TEST 
ON STAM EAR HARM. SPREAD/SMOKE OWNIREJUTION MOMBAU 29/25. 
MANUFACTURESS: SM/FER BARRER, SIJS/SECEPTED OR FENSIL, OR HILLT/FIRESTOP SISTEMS. 
GENERAL: OROSIC PRODUCTS AND METHODS MEETING APPLICABLE COOKS AND SPECIFICATION.

REQUIREMENTS FOR EACH FIRESTOPPING APPLICATION, SUBJECT TO ARCHITECTS ACCEPTANCE.
F. FIRESTOPPING MATERIALS: FURNISH MATERIALS FOR PENETRATIONS IN TIME-RATED FLOOR,
MALL AND PARTITION ASSEMBLIES CAPABLE OF PREVENTING PASSAGE OF FLAME, SMOKE, AND HOT
GASES.

GASES. PENTERTION TEST, FRIENDS MATERIALS PASSING ATTLE ELT FOR PENTERTION FIRE. STOPPING NOCKTING MANTENANCE OF TIME-PATED MAJECH INSCRIBE STOPPING IN STATEMENT OF THE PATED MAJECH INSCRIBE STOPPING IN STATEMENT OF THE PATED STA

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

INSTALLER QUALIFICATIONS: FIRM WITH MINIMUM FIVE YEAR'S SUCCESSFUL EXPERIENCE ON

PECORA/863 #345 WHITE: PROVIDE AT INTERIOR AREAS WHERE SEALANT WILL BE EXPOSED TO

GENERAL INTERIOR JOINT SEALER: PECORA/AC-20 OR SONNEBORN/SONOLAC, ACRYLIC OR LATEX EMULSION. MISCELLANEOUS MATERIALS: PRIMERS, SEALERS, JOINT CLEANERS, BOND BREAKER TAPE, AND SEALANT BACKER RODS AS RECOMMENDED BY SEALANT MANUFACTURER FOR APPLICATIONS

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. F COLORS.
PREPARATION: CLEAN JOINT SURFACES IMMEDIATELY BEFORE INSTALLATION OF JOINT SEALER,

AND PRIME OR SEAL JOINT SURFACES AS RECOMMENDED BY MANUFACTURER.

L. INSTALLATION: COMPLY WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND ASTM

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

### **EDIT/ CHANGE**

### DIVISION EIGHT: DOORS AND WINDOWS

### SECTION 0B110 - STEEL DOORS AND FRAMES

A. GENERAL: PROVIDE STEEL DOORS AND FRAMES AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION; COORDINATE WITH SECTION 08700 — HARDWARE. B. STANDARDS: COMPLY WITH STEEL DOOR INSTITUTE "STANDARD STEEL DOORS AND FRAMES" OR

NAAMM HOLLOW METAL MANUFACTURERS ASSOCIATION "HOLLOW METAL MANUAL." II. FIRE RATED STANDARDS, FURNISH MATERIALS TESTED, LABELED AND INSPECTED BY UL, WARNOCK HERSEY, OR TESTING AGENCY ACCEPTABLE TO APPLICABLE AUTHORITIES.

WARMOUR HENSEY, OR TESTING ABOUT ACCEPTABLE TO APPLICABLE AUTHORITIES.

SUBBUTIALS SUBMIT PRODUCT DATA

MANUFACTURERS: AWARDLO, CEOO, OR PIONEER.

HOLLON METAL DOORS: FLUSH HOLLOW METAL DOORS FULL FLUSH TYPE; SDI MODEL 1,

MAMM TYPE B FULL FLUSH WITH UNFILLED EDGS; CLOSE TOP AT EXTERIOR DOORS.

CORE: PROVIDE STEEL STIFFENED CORE; INSULATED AT EXTERIOR DOORS.

GAGE: PROVIDE MINIMUM 18 GAGE AT INTERIOR DOORS, MINIMUM 16 GAGE AT EXTERIOR PRESSED STEEL (HOLLOW METAL) FRAMES: MINIMUM 16 GAGE KNOCK-DOWN

(FIFI D\_ASSEMBLED) FRAMES

(FILLID-MASSAMBLE) FROMES:

FIRE RATED UNITS: CONFORM TO NFPA 80; PROVIDE UL OR WARNOCK HERSEY LABELED DOORS AND FRAMES AS REQUIRED.

H. ACCESSORIES: PROVIDE DOOR SILENCERS. ANCHORS. AND ACCESSORIES.

FABRICATION: CONFORM TO REQUIREMENTS OF SDI OR NAMM.

1. DOOR SILECTOR: PLACE MINIMUM THREE SINGLE BUMPERS ON SINGLE DOOR FRAMES; SPACE EQUALLY ALONG STRIKE JAMBS; PLACE TWO SINGLE BUMPERS ON DOUBLE DOOR

FRAME HEADS.

J. Finish: Prime Paint interior Units, galvanize and Prime Paint exterior Units; minimum ago galvanizh; clean, degrease and factory prime Paint.

K. Instalation: Comply with manufacturer recommendations and either sol or inamm

s. 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 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

COORDINATE WITH VARIOUS TRADES FOR CONTROLS AND VALVES WHICH MAY BE

CONCEALED.
SUBMITTALS: FURNISH PRODUCT DATA FOR EACH TYPE OF ACCESS DOOR AND PANEL.
MANUFACTURERS: MILCOR, J.L. INDUSTRIES, OR KARP.
TYPE: FLUSH TYPE AT NON FIRE RATED CONSTRUCTION, STANDARD UL APPROVED FRAMED

D. TYPE: FLUSH TYPE AT NON FIRE RATED CONSTRUCTION, STANDARD UL APPROVED FRAMED
TYPE AT FIRE RATED CONSTRUCTION, KEY OPERATED.

1. FRAMES: FABRICULET FROM MINIMUM 16 GAGE.
2. DOORS: FLUSH FAMEL TYPE, FABRICULET FROM MINIMUM 14 GAGE STEEL.
3. FORSE: FIRE HITM MANUFACTURER'S FACTORY—APPLIED ENAMEL PRIME COAT APPLIED
OFF PHOSPARIE COATING ON EACH STANDARD COATE PHOSPARIE COATING ONE STANDARD COATE ON THE PRIME COATE PHOSPARIE COATING ON THE PHOSPARIE PHOSPARIE COATING ON THE PHOSPARIE PHOSPARIE

REQUISIONS FOR FRE RATIOS.

1. SET FRANKS ACCURATELY IN POSITION AND SECURELY ATTACH TO SUPPORTS WITH FACE PARKS FILMED OR LEVEL IN RELATION TO ADJUGSTIT FINASH SURFACES.

2. ADJUST HEROWINE AND DOORS ATTER INSTALLATION FOR PROPER OPERATION.

3. REDIONE NIO REPLACE DOORS OR FRANKS 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 DOOR INSTALLATIONS.

B. STANDARDS: COMPLY WITH BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA) ANSI/DHMA 156 SERIES STANDARDS.
C. CODES AND REGULATIONS: COMPLY WITH STATE AND FEDERAL REQUIREMENTS FOR ENSURING ACCESS FOR PERSONS WITH DISABILITIES.

FIRE RATED DOORS: COMPLY WITH REQUIREMENTS OF NFPA 80 AND APPLICABLE
CODES FOR FIRE RATED DOOR HARDWARE: PROVIDE HARDWARE BEARING UNDERWRITERS.

LABORATORY (UL) LABELS.

D. SUBMITTALS: FURNISH SHOP GRAWINGS, PRODUCT DATA INCLUDING KEYING SCHEDULE, AND SAMPLES OF EACH REQUIRED STYLE AND FINISH.

AND SAMPLES OF EACH REQUIRED STILE AND FINISH.

1. SUPPLY TEMPLATES TO DOOR AND FRAME MANUFACTURERS FOR PROPER AND
ACCURATE SZING AND LOCATIONS OF CUT-OUTS FOR HARDWARE.

E. GEHERAL MATERIALS, PROPING COMPLETE HARDWARE WITH ACCESSORIES AS REQUIRED
FOR DOORS AND APPLICATIONS INDICATED AND NOT PROVIDED UNDER OTHER SECTIONS,
F. HINDES. HARGE, LAWRENCE, LOWINGY, OR STANLEY, FULL MORTIESD BUT HINDES, SIZE
AND NUMBER AS RECOMMENDED BY MANUFACTURER, NONEMANDALE PINS AT EXTEROR
OTHER MANUFACTURES AND THE RESED DOORS AND DOORS WITH

G. LICKSETS/LATCHSETS: SCHLAGE, SARGENT, YALE, OR U-CHANGE; FULL MORTISE LOCKSETS TYPICAL AT DOORS TO PUBLIC AREAS, CYLINDRICAL LOCKSETS AND LATCHSETS AT OTHER LOCATIONS: SOULD LEVER TYPE WITH ROSE: KEYING AS DIRECTED BY OWNER: PROVIDE CYLINDERS FOR DOORS FURNISHED WITH LOCKS

OVERHEAD CLOSERS: LCN/4000 SERIES OR NORTON/7500 FULLY ADJUSTABLE; MODERN ACCESSORIES: PROVIDE DOOR STOPS THRESHOLDS WEATHERSTRIPPING TRIM COORDINATORS AND ACCESSORIES AS REQUIRED FOR COMPLETE OPERATIONAL DOOR

LINION.

1. THRESHOLDS, STOPS, TRIM, AND MISCELLANEOUS HARDWARE: PROVIDE AS INDICATED, AS SPECIFIED, AS INCLUDED IN HARDWARE SCHEDULE, AND AS REQUIRED FOR COMPLETE INSTALLATION.

2. WAZHIFEKSTRIPPING: PROVIDE CONTINUOUS WEATHERSTRIPPING AT TOP AND SIDES

FIRE RATED CASKETS: PROVIDE CONTINUOUS FIRE RATED CASKETS 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. FINISH: BHMA 626 (US26D), SATIN FINISHED CHROMIUM PLATED UNLESS OTHERWISE

K. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, BHMA, AND APPLICABLE REQUIREMENTS FOR ACCESS AND FOR FIRE RATINGS.

UNICAMENIS FOR MICESS AND FOR THE RATHINGS.

1. FIT HARDWARE PRIOR TO PAINTING, THEN REMOVE FOR PAINTING OF DOORS AND FRAMES BEFORE FINAL INSTALLATION OF HARDWARE.

2. HEIGHTS TO COMPLY WITH APPLICABLE CODES AND BHIMA RECOMMENDATIONS. HEIGHTS TO COMMET WITH APPEADOBLE
 HARDWARE GROUPS: REFER TO DRAWINGS. THESE ITEMS MAY NOT BE APPLICABLE—VERIFY

### EDIT/ CHANGE

### DIVISION NINE: FINISHES

INSTALLATION

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

1. DEFLECTIONS: MAXIMUM L/240 TYP., L/360 AT LOCATIONS INDICATED TO RECEIVE

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 APPLICABLE AUTHORITIES.
SYSTEMS RESPONSIBILITY: PROVIDE PRODUCTS MANUFACTURED BY OR RECOMMENDED BY MANUFACTURER OF GYPSUM BOARD TO MAINTAIN SINGLE-SOURCE RESPONSIBILITY FOR

YSIEM. - SUBMITTALS: FURNISH PRODUCT DATA. - MANUFACTURERS: USG, GEORGIA PACIFIC, OR NATIONAL GYPSUM.

(CONDITIONS & SPECIFICATIONS CONTINUE ON SHEET AGS)

LEAVE BLANK FOR APPROVAL STAMP/ COMMENTS ARCHITECT/ DESIGNER/ FARRICATOR

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

**EDIT/ CHANGE** 



ARCHITECT/ DESIGNER/ FABRICATOR PROFESSIONAL SEAL (IF REQUIRED)

COMPLIE TANT:

CONSULTANT'S COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS -----------

**EDIT/ CHANGE** 

PROJECT NAME :

PROJECT/ TENANT'S NAME & LOGO

**EDIT/ CHANGE** 

REVISIONS: NO. DESCRIPTION SCHEMATIC DESIGN SUBMITTAL 27-27-2012 CONSTRUCTION DOCUMENTS 22-22-2012 Jah Harrier - 2222 Chested by 2777 Down by: 7777 Assessed by : 7777

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SHEET TITLE :

CONDITIONS AND SPECIFICATIONS

SCALE : NONE ISSUE DATE : ??-??-2012 **EDIT/ CHANGE** 

#### **CONDITIONS AND SPECIFICATIONS:**

#### DIVISION NINE: FINISHES (CONTINUED)

SECTION 09260 - GYPSUM BOARD ASSEMBLIES (CONTINUED)

G. METAL FRAMING: CONFORM TO ASTM C754; COMPLETE 16 GAGE AND LIGHTER STEEL AND SUSPENSION SYSTEM FOR GYPSUM BOARD SYSTEMS; PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.

MANUFACTURED SUSPENSION SYSTEM SUCH AS CHICAGO METALLIC/DRYWALL

SYSTEM IS ACCEPTABLE.

GYPSUM BOARD: CONFORM TO C840; UL LISTED FIRE RESISTANT GYPSUM BOARD. STANDARD: ASTM C36, 5/8" THICK

CORE BOARD: ASTM C442, 1" THICK,

I GYPSIIM BOARD ACCESSORIES: COMPLY WITH ASTM CR40

COMPOUND.

2. CORNER BEADS: MANUFACTURER'S STANDARD METAL BEADS.

3. REINFORCING TARE, JOINT COMPOUND, ADMESIVE, WATER, FASTENERS: TYPES RECOMMENDED BY STSTEM MANUFACTURER AND CONFORMING WITH ASTN C475.

J. FIRE RATED CONSTRUCTION: COMPLY WITH UNDERWRITER'S LABORATORIES CERTIFIED FIRE TESTS AND APPLICATE COOK REQUIREMENTS.

TESTS AND APPLICABLE CODE REQUIREMENTS.

1. SHAFT WALL SYSTEM: PROVIDE AT SHAFTS AND WHERE INDICATED.

K. ACOUSTICAL ACCESSORES: PROVIDE ATSIL CE65, TYPE I ACOUSTICAL INSULATION AND
SATIM CS19 PARMIBLE ACOUSTICAL SCALANTS WHERE ACOUSTICAL SYSTEMS ARE INDICATED.

L. INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, REFERENCED
STRAMANDS, AND PPLICABLE REQUIREMENTS FOR PIRE RATINGS AND ACOUSTICAL RATINGS. SPECIAL METAL STUD AND GYPSUM DOOR: PROVIDE SPECIAL CONFIGURATION AS INDICATED ON DRAWINGS.

METAL FRAMING FRECTION: FRECT METAL FRAMING IN ACCORDANCE WITH ASTM C754 AND MANUFACTURER'S RECOMMENDATIONS

INSTALL MEMBERS TRUE TO LINES AND LEVELS TO PROVIDE SURFACE FLATNESS Install Members froe 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 Page 2019.

INSTALL METAL FRAMING BACKING WHERE REQUIRED FOR SUPPORT OF FIXTURES,

CABINETS, ACCESSORIES AND HARDWARE CABINETS, ACCESSORIES AND HARDWARE.

4. CORORINATE 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 CONDUCTE.

CEILING FRAMING INSTALLATION: ERECT IN ACCORDANCE WITH ASTM C754 AND

MANUFACTURER'S RECOMMENDATIONS, REINFORCE OPENINGS IN CEILING SUSPENSION SYSTEM.

1. LATERALLY BRACE ENTIRE SUSPENSION SYSTEM.

O. GYPSUM BOARD INSTALLATION: INSTALL IN ACCORDANCE WITH ASTM C840 AND MANUFACTURER'S RECOMMENDATIONS, USE SCREWS WHEN FASTENING GYPSUM BOARD TO FURRING

AND ACCORDER'S RECOMMENDATIONS. DS. SCREWS WHEN A SELECTION OFFSOM BOWED TO FRANKE.

1. FOR FIRE RATED SYSTEDS COMMENT WITH REQUIRENTS FOR FIRE RATINGS.

2. FLACE CORNER BANS AT EXTERNAL CORNERS, USE LONGEST PROFITCAL ENGINES.

4. THEE, FILL, AND SAND EPPORED JOAN'S, EDGES, CORNERS, AND CREDINGS TO PRODUCE SUBJECT BY THE PROPOSED STATES.

5. FINSHING COMPLY WITH CYPSUM ASSOCIATION (CA) "LOVELS OF CYPSUM BOWED CONSTRUCTION OF STATES").

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.

6. REMOVE AND REPLACE DEFECTIVE WORK.

6. REMOVE, AND JOEPLACE, DELECTIVE, WORK.

TO PLACE ACCUSATION AND ALTHOUGH WORK.

PRACE ACCUSATION AND ALLIAN THAT WHITH SPACES, AROUND CUT OPENINGS, BEHADI AND AROUND ELECTRICAL AND MECHANICAL ITEMS WITHIN PARTITIONS, AND TIGHT TO TIESS.

PRACE ACQUISTION, ASSAULANT WITHIN PARTITIONS IN ACCORDANCE WITH HAMMETCHERPS RECOMMENDATION, STREAL ACQUISTION, SEALANT AT OFFISION BOWED PERMETER, AT BASE LIFES AND FACE LATER OF OFFISION BOWND, AND PERCHATIONS OF PARTITIONS.

3. TUCLATIONE. WORKING AND ALLIAN THE ACCUSATION AND ALLIAN THE ACCU

PENETRATIONS.

4. INSTALL ELECTRICAL BOX PADS WITH PADS MOLDED AND PRESSED ON BACK SIDE OF BOX, CLOSING OPENINGS, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, FOR COMPLETE ACOUSTICAL BANKER.

SECTION 09300 - TILE SECTION 09510 - ACOUSTICAL CEILING

### **EDIT/ CHANGE**

GENERAL: PROVIDE ACOUSTICAL CEILINGS INCLUDING SUSPENSION SYSTEM, TRIM, AND Accessomes as required for complete finished installation.

Bushalation of accounted for metal supplies in system and astm c636 for metal supplies on system and astm c636 for metal supplies on system and astm c636 for metallation of accounted colonies.

Performance requirements: Provide Products Listed by Underwriters Laboratories.

FLAME SPREAD/SMOKE DENSITY: PROVIDE PRODUCTS MEETING CODE REQUIREMENTS FOR

1. FLAME, SHPEAU/SMURE, DUNSITY: PROVIDE PRODUCTS MEETING CODE REQUIREMENTS FOR MAXIMUM 25 SUDDE DENSITY.

D. SESIACI REQUIREMENTS: COMPLY WITH STAND LOCAL, CODE REQUIREMENTS FOR SESSING BROKING OF CEILING SUSPERSION SYSTEM, AND WITH SAND LOCAL, CODE REQUIREMENTS FOR SESSING BROKING OF CEILING SUSPERSION SYSTEM, AND WITH SAND 1880.

E. SUBMITTALS: SUBMIT FROUCT DATA, SHOP DRAWINGS INDICATING LAYOUT, AND SAMPLES OF GROB, TRM, AND CEILING DATA.

GRD, TRM, AND CELLING UNITS.

F. INSTALLER, FIRM WITH MINNAUM THREE YEAR'S SUCCESSFUL EXPERIENCE IN PROJECTS OF SIMILAR THE AND SOOPE, ACCEPTABLE TO MANUFACTURER OF ADOUSTICAL UNITS.

SIMILAR THE AND SOOPE, ACCEPTABLE TO MANUFACTURER OF ADOUSTICAL UNITS.

FROMET CONDITIONS DO NOT HASTLE CELLINGS UNITS, BUILDING IS ENCOSED, SUFFICIENT HEAT IS PROVIDED, DUST GENERATING CHIMINATED, AND OVERHEAD MECHANICAL MORK IS COMPLETED, IESTED AND APPROVED, ALLOW THE WORK TO DET PROVIDED TO INSTALLATION.

H. ACOUSTICAL UNITS: THESE AND MANUFACTURERS AS INDICATED ON DRAWINGS.

SUSPENSION SYSTEM AS INDICATED ON DRAWINGS.

SUSPENSION SYSTEM AS INDICATED ON DRAWINGS.

BUSINESSON SYSTEM AS INDICATED ON DRAWINGS.

WIDTH UNITS AT BORDERS

COORDINATE WITH OTHER WORK SUPPORTED BY OR PENETRATING THROUGH CEILINGS. INCLUDING LIGHT FIXTURES HVAC FOLIPMENT AND PARTITION SYSTEMS

INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS, ASTM C636, AND APPLICABLE IKEMENTS FOR FIRE KATINGS.

1. FINISHED CEILINGS: TRUE TO LINES AND LEVELS AND FREE FROM WARPED, SOILED OR

DAMAGED GRID OR ACOUSTICAL UNITS.

2. INSTALL CEILING SYSTEMS IN A MANNER CAPABLE OF SUPPORTING SUPERIMPOSED

LOADS, WITH MAXIMUM PERMISSIBLE DEFLECTION OF 1/8" IN 10'-0".
3. ENSURE SUSPENSION SYSTEM IS LOCATED TO ACCOMMODATE FITTINGS AND UNITS OF EQUIPMENT WHICH IS TO BE PLACED AFTER INSTALLATION OF CEILING GRID.

4. WHERE DUCTS OR OTHER EQUIPMENT PREVENT REGULAR SPACING OF HANGERS,

4. WHERE DUCTS OR OTHER EQUIPMENT PREVENT REQUERT SPACING OF HANGERS, REINFORCE MEASTER JANAZENT HANGERS AND RELATED CARRYING CHANGELS AS REQUIRED TO SPAN REQUIRED DISTANCE. IN INSTALL EDGE MICHIGANS AT INTERSECTION OF CELING AND VERTICAL SURFACES, USING MAXIMUM LENGTHS, STRIGHT, TRUE TO LINE AND LEVEL; WITER CORNERS. OF HIS CONTROL OF THE FROM DOMAGE DUCKS ON DEFECTS DETRIMENTAL TO APPEARANCE AND FUNCTION, LAY DIRECTIONALLY PATIENTS ADJITING SURFACES. PAPTICIN AS DIRECTIONS. THE RESIDENCE OF THE PROOF OF THE STRIPP AND SURFACES.

BISTALL HOLD-DOWN CLIPS WHERE REQUIRED BY APPLICABLE CODES AND WHERE CHINE'S EXPENSE OF THE PROOF OF T

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

N. GENERAL: PROVIDE RESILIENT TILE FLOORING SYSTEM AND RESILIENT BASE, WITH ACCESSORIES IS REQUIRED FOR COMPLETE FINISHED INSTALLATION. 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

ALKALINITY, CARBONIZING AND DUSTING.

D. RESILENT TILE: 12 X 12 BY 1/6 THICK; VINYL COMPOSITION TILE CONFORMING TO ASTM. F1066, COMPOSITION 1; COLOR AND PATIETIN AS INDICATED, AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS AND PATTERNS WHERE NOT OTHERWISE INDICATED.

 MANUFACTURERS: ARMSTRONG WORLD INDUSTRIES, INC.; AZROCK INDUSTRIES, INC.
 FLAMMABILITY: PROVIDE MATERIALS TESTED UNDER ASTM E648, FLOORING RADIANT PANEL TEST, WITH RESULTS OF 0.45 WATTS/CM2 OR HIGHER

SLIP RESISTANCE: PROVIDE MATERIALS TESTED UNDER ASTM D2047, JAMES SLIP TEST WITH MINIMUM 0.6 RATING FOR FLOORS.

WITH MINAMAN O. B RATINE FOR FLOORS.

R ESSLIENT BASE FS SS-W-40. 1/36" GASE COVED BASE AT HARD FLOOR SURFACES,
STRAGHT (TOP SET); PROVIDE PREMOLDED BIO STOPS AND EXTERNAL CORNERS.

1. MANUFACTURERS: BURNE OR ROPPE, MOLDED RUBBER BASE.

2. HEIGHT: 4" UNLESS OTHERWISE INDICATED.

3. COLOR: SET FINISHS INSTRUME.

F. EDICE STRIPS AND ACCESSORIES: RUBBER OR WIN'L EDICE STRIPS MATCHING FOR THE PROVIDED PROVIDED CREATER HAS DIAGRETAMENT AND PATCHING COMPOUND,
FOR STRIPS AND ACCESSORIES: RUBBER OR WIN'L EDIC STRIPS MATCHING COMPOUND,
FOR STRIPS AND ACCESSORIES. RUBBER OR WIN'L EDIC STRIPS MATCHING COMPOUND,
FOR STRIPS AND ACCESSORIES. RUBBER OR WIN'L EDIC STRIPS MATCHING COMPOUND,
FOR STRIPS MATCHING FOR MATCHING PROVIDED THE PROVIDED THAT DESIGNATION FOR MELECURITY HASTE DESIGNATION FOR

PRIMERS AND ADHESIVES: WATERPROOF NONTOXIC TYPES AS RECOMMENDED BY FLOORING MANUFACTURER FOR SPECIFIED MATERIAL AND APPLICATION. . SEALER AND WAX: TYPE RECOMMENDED BY FLOORING MANUFACTURER FOR MATERIAL TYPE AND

PREPARATION: CONFORM WITH MANUFACTURER'S RECOMMENDATIONS FOR PREPARATION AND

WITH ASTM F710; REMOVE SUBFLOOR RIDGES AND BUMPS; FILL LOW SPOTS, CRACKS, JOINTS, HOLES AND DEFECTS WITH SUBFLOOR FILLER.

K. FLOORING INSTALLATION: CONFORM WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS; SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER TO ENSURE FULL ADHESION; SCRIBE FLOORING TO WALLS, COLUMNS, AND OTHER APPURTENANCES TO

INSTALL MINIMUM 1/2 TILE AT ROOM AND AREA PERIMETER: TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR OPENINGS WHERE ADJACENT FLOOR FINISH IS DISSIMILAR, INSTALL EDGE STRIPS AT UNPROTECTED AND EXPOSED EDGES WHERE FLOORING TERMINATES.

BASE INSTALLATION: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION

L BOSS INSTALLATION COUNTY WITH MANUFACTURES SECONMENSATIONS AND INSTALLATION FOR THE PERMANENT PROTECTION OF THE

N. CLEANING: CLEAN, SEAL AND WAX FLOOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

THESE ITEMS MAY NOT BE APPLICABLE-VERIFY

**EDIT/ CHANGE** 

SECTION 09655 - RESILIENT SHEET FLOORING

A. GENERAL: PROVIDE RESILIENT SHEET FLOORING WITH ACCESSORIES AS REQUIRED FOR

A. Genema: Provide Resilent Shelt Flodking with accessories as required for complete finished installation.

B. Submittans: Furnish Product data and Samples of Each type of Florring Color and Pattern Selected and Each type of Exposed Integral Bass accessory.

C. Project Onditions: Ensure Floor Surfaces are smooth and fait with Maximum VARIATION OF 1/8" IN 10'-0"; ENSURE CONCRETE FLOORS ARE DRY AND EXHIBIT NEGATIVE ALKALINITY, CARBONIZING AND DUSTING.

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.

1. MANUFACTURERS: ARMSTRONG, LONSEAU, OR YPI FLOOR PRODUCTS.

MANUFACTURERS: AMOSTROMS, LONSEAL, OR VP I LODG PRODUCTS.
 LEMANGHER OF 45 WAITS SOOOL OR HOHER, ASTN E448.
 MITEGRAL BASE ACCESSORIES: PROVIDE WANUFACTURERS'S STANDARD COVE SUPPORT STRIPS AND PINNEDE WAIT. OF DECE STRIPS; TYPE AND COLORS AS SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
 FLOEC STRIPS AND ACCESSORIES: RUBBER OR VINYL EDGE STRIPS MATCHING RESILIENT F. EDGE STRIPS AND ACCESSORIES.

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 PRIMERS AND ADHESIVES: WATERPROOF NONTOXIC 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.

L SALEM AND WAY: THE RECOMMENDED BY FLOORING MANGETURER'S RECOMMENDATIONS FOR MALEDIA CONTROL. THE AND THE AND

M. WAXING: CLEAN, SEAL AND WAX FLOOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

CLEANING: REMOVE EXCESS ADHESIVE FROM FLOOR, BASE AND WALL SURFACES.

THESE ITEMS MAY NOT BE APPLICABLE—VERIFY

**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. SUBFACES NOT TO BE PAINTED: PREFINISHED ITEMS; CONCEALED AND INACCESSIBLE AREAS, COOKE REQUIRED, LARGE SE

COULTREQUIRED INDELS.

C. STANDARDS: PROVIDE MATERIALS APPROVED FOR USE BY APPLICABLE AIR QUALITY
MANAGEMENT DISTRICT FOR LIMITATIONS OF VOLATILE ORGANIC COMPOUNDS FOR ARCHITECTURAL

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.

COMPONENTS FOR APPROVAL PRIOR TO COMMERCING WORK.

E BULLEYER: BULLEYER MATERNAL TO DO SET IN INGIGINAL, NEW AND UNOPENED PACKAGES AND
CONTAINERS EMERING MANUFACTURER'S NAME AND LUBEL.

F. MANUFACTURERS'S EMERINN'-AULINOS OF BENJAMIN MOORE.

G. MAITERN, DUALTY: PROVIDE TOF LINE GUILLITY COMMERCIAL, GRADE (PROFESSIONAL PAINTER)
MATERNAL TOMBERS MANUFACTURER'S INSTITUCTION AS A REST-GRADE PRODUCT

LI NOT BE ACCEPTABLE.

1. PRIMIER'S PROVIDE PERMIUM GRADE PRIMER'S RECOMMENDED BY PAINT MANUFACTURER FOR SUSSTRATES INDICATED AND FOR RINGH SYSTEMS SPECIFIED BY PAINT MANUFACTURER. CONSISTRATES INDICATED AND FOR RINGH SYSTEMS SPECIFIED BY PAINT MANUFACTURER, AND ISEC ONLY WITHIN RECOMMENDED LIMITS. PROVIDED BY THE STATEMENT OF THE STATEMENT WITHIN THE SOURCE LIMITS.

A RINGH COST, SPROVICE FINISH COSTS CAPAGE OF BERN MASHED WITHIN LIDIT DESIGNATION WITHIN LIDIT DESIGNATION WITHIN THE STATEMENT WITHIN THE STATEMENT OF COSTS CAPAGE AND THE STATEMENT OF THE STATEM

TOURIED GROWING COMPOUNDS: PROVIDE MATERIALS WITH MINIMAL VOCATIED GROWING COMPOUNDS (VCC); COMPOUNDS (VCC); COMPOUNDS (VCC); COMPOUNDS; COLORS AND FINISHES: PURE, NON-FADING, APPLICABLE TYPES TO SUIT SERVICE INDICATED; LEAD CONTENT PERBUTTED.

1. PRIOR TO COMMENCEMENT OF PAINTING WORK, ARCHITECT WILL FURNISH COLOR CHIPS

1. PRIOR TO COMMENCEMENT OF PAINTING WORK, ARCHITECT WILL FURNISH COLOR CHIPS

1. PRIOR TO COMMENCEMENT OF PAINTING WORK.

FOR SURFACES TO BE PAINTED FOR SURFACES TO BE PAINTED.

PREPARATION PEPRORU PREPARATION AND CLEANING PROCEDURES IN ACCORDANCE WITH MIT MANUFACTURER'S INSTRUCTIONS AND AS SPECIFIED FOR SUBSTRATE CONDITION.

I. EXAMUR. AREAS AND CONDITIONS UNDER WHICH PAINTING WORR IS TO BE APPLED. START OF PAINTING WORK INDICATES ACCEPTANCE OF SURFACES AND CONDITIONS OF SURFACES AND CONDITIONS OF MITH ANY PARTICULAR AREA.

REMOVE HARDWARE, ACCESSORIES, AND ITEMS IN PLACE AND NOT TO BE PAINTED. OR PROVIDE PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING; AFTER PAINTING REINSTALL REMOVED ITEMS.

J. APPLICATION: APPLY PAINT IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS; USE APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING

ILLY.

1. APPLY ADDITIONAL COATS WHEN STANS OR BLEMSHES SHOW THROUGH FINAL COAT, UNTIL PAINT IS A UNIFORM FINISH, COLOR AND APPEARANCE.

2. FINISH DOORS ON TOPS, BOTTONS AND SIZE EDES SAME AS FACES.

3. PROVIDE EXTRA ATTENTION TO ASSURE DRY FILM THICKNESS AT CORNERS AND CREWICES BE CHILDWARD TO THAT OF FIAT SURFACES SEAM AS SAME AS SEAM AS FACES.

4. PAINT SURFACES BEHIND MOVABLE EQUIPMENT AND UNRIVINE SAME AS SIMILAR EMPOSES DIRRY SOLVEN. SHAND SURFACE SHAND FERMANENTLY—FIXED EQUIPMENT AND FURNITURE WITH FIRM SOLVEN. OUTS, WHERE VISIBLE THROUGH REGISTERS OR CRILLES, WITH A FILM, DON-SPECILLAR BLOKE PAINT.

6. PAINT BACK SIDES OF ACCESS PAINELS AND REMOVABLE OR HINGED COVERS TO MATCH EMPOSED SURFACES.

B. PANT BUCK SIDES OF ACCESS PANELS AND REMOVABLE OR HINGED COVERS TO MATCH DEPOSED SURFACES.

7. FINISH DOORS ON TOPS, BOTTOMS AND SIDE EDGES SAME AS FACES.

8. SAND LIGHTLY SETWERS EACH SUCCEETING BOMBE, AND EACH WIRRISH DOTT.

8. SAND LIGHTLY SETWERS SUCCESSED SOME AS PACIFICABLE AFTER REPROADION.

1. ALLOW THE SETWERS SUCCESSED COMINGS TO PRINCE AFTER REPROADION.

1. ALLOW THE SETWERS SUCCESSED COMINGS TO PRINCE FORTH, GO NOT RECORD LIGHTLY PANT FEELS FIRM AND DOES NOT DEFORM OR FEEL STOKY UNDER MICHAEL STOKE SETWING DOES NOT DEFORM OR FEEL STOKY UNDER PRESSURE AND THE SETWER SUCCESSED COMINGS TO TERM FROM FEELS FIRM AND DOES NOT DEFORM OR FEEL STOKY UNDER PRESSURE FROM A PRINCE PRESSURE STOKE STOKE STOKE SETWING THE SETWER STOKE SETWING THE SETWING SETWING THE SETWING SETWING THE SETWING SE

PAINT SYSTEMS: PROVIDE MINIMUM TWO COAT PLUS PRIMER SYSTEMS.

1. EXT. PAINTED METAL: SEMIGLOSS 100 % ACRYLIC.

EXT. PAINTED METAL SEMIGLOSS 100 % ACKYLIC.
GYPSUM BOARD WALLS: GOSSHELL (SAIN) LATEX EMULSION.
GYPSUM BOARD CELLINGS: FLAT LATEX EMULSION.
TOILET ROOM WALLS AND CEILINGS: SEMIGLOSS ACRYLIC ENAMEL.
INT. PAINTED METAL: SEMIGLOSS 100 % ACRYLIC. OPAQUE PAINTED WOOD: SEMIGLOSS 100 % ACRYLIC.
CONCRETE FLOORS: CLEAR PENETRATING SEAL; ONE COAT SYSTEM ACCEPTABLE.

FLOOR STRIPES: TRAFFIC BEARING, NON-SLIP STRIPE PAINT; ONE COAT SYSTEM

ACCEPTIBLE

9. SHEEDS: COMPIL WITH ASTIM DOZA, REFLICENCE OF PAINT.
P. CLEAN-UP: DURING PROCRESS OF WORK, REDVICE DISCREDE PAINT MATERIALS, RUBBISH,
P. CLEAN-UP: DURING PROCRESS OF WORK, REDVICE DISCREDE PAINT MATERIALS, RUBBISH,
M. COMPIL STATE DISCREDING PAINT MATERIALS, RUBBISH,
M. COMPIL STATE DISCREDING PAINT MATERIALS, RUBBISH,
M. COMPILED STATE DISCREDING PAINT MATERIALS, RUBBISH,
D. PROTECTION, PROTECT WORK, OF OTHER TRADES, WHITENEY TO BE PAINTIFE OR NOT, CORRECT
DAMAGE OF CLEANING, REPAINTING OR REPLACING, AND REPAINTING, AS ACCEPTABLE TO ARCHITECT
1. PROTUCE WET PAINT SIGNED TO PROTECT NEWLY—PAINTIP PAINTIFES.
2. REMOVE TRADOCRAFT PROTECTION WHOPPINGS PROVIDED BY OTHERS FOR PROTECTION OF
THERR WORK, ATTER COMPLETION OF PAINTING DEFENDER.

PROTECTION FAIRT COMPLETION OF PAINTING DEFENDER.

SUBFACES ON DEFAULT OPHING DISTRICAS.

#### DIVISION TEN: SPECIALTIES EDIT/ CHANGE

SECTION 10810 - TOILET ACCESSORIES

GENERAL: PROVIDE TOILET ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION.

A GENERAL PROVIDE TOLLET ACCESSORY AS A FEQUINED FOR COMPLETE FINISHED INSTALLATION.

B. CODES AND RECOLUTATIONS: COMPLY WITH STATE AND FEDERAL REQUIREMENTS FOR ENSURING ACCESS FOR PERSONS WITH DISABILITIES.

C. SUBMITTAND. SUBMIT PRODUCT LOTA, OR AMERICAN SPECIALITIES.

D. MANUFACTURERS: BORBORC, BRADLEY, OR AMERICAN SPECIALITIES.

I. TYPES: STRINESS STEEL ACCESSORIES AS INDICATED ON DRAWNSS; PROVIDE GRAB BARS WITH CONCRULED MOUNTING, SZES AND SHAPES AS INDICATED AND AS REQUIRED BY APPLICABLE COORS AND REQUIATIONS.

CODES AND REGULATIONS.

F. MATERIAS: STAINES STEEL, ASTM A666, COMMERCIAL GRAVE, TYPE 302/304, NUMBER 4 SAIN FINISH, SATIN CHROWE ACCEPTABLE WHERE STAINERS STEEL IS NOT AMALIABLE FOR ACCESSION? ITEM SCHOOLIULEE, GAGES AS STANDARO WITH AMUNIFICUTIOR TO SECURIOR ITEMS.

1. FASTENERS, SCREINS, AND BOLTS: HOT DIP CALVANIZED, AS RECOMMENDED BY ACCESSORY ITEM AMUNIFICUTIOR. TO COMPONENT AND SUBSTRATE.

CONCEALED SURFACES: PRETREAT AND CLEAN, SPRAY APPLY ONE COAT PRIMER AND FARRICATION: WELD AND CRIND SMOOTH JOINTS OF FARRICATED COMPONENTS: FORM EXPOSED I

SURFACES FROM ONE SHEET OF STOCK, FREE OF JOINTS.

1. FABRICATE UNITS WITH TIGHT SEAMS AND JOINTS, EXPOSED EDGES ROLLED; HANG DOORS AND ACCESS PANELS WITH CONTINUOUS PIANO HINGES; PROVIDE CONCEALED ANCHORAGE PROVIDE STEEL ANCHOR PLATES AND ANCHOR COMPONENTS FOR INSTALLATION.

3. FORM SURFACES FLAT WITHOUT DISTORTION; MAINTAIN FLAT SURFACES WITHOUT SCRATCHES AND WITHOUT DEITS; RINGEL EXPOSED EDGES EASED, FREE OF SHARP EDGES WHERE POTENTIAL EXCUSTS FOR PHISTOCAL CONTACT.

4. HOT DIE GALVANIZE TERROUS WETAL ANCHORS AND FASTENING EDVICES. SHOP ASSEMBLE COMPONENTS, PROVINCE CONFIDERE WITH ANCHORS AND FITTINGS.

INSTALLATION: COMPLY WITH MANUFACTURER RECOMMENDATIONS AND APPLICABLE CODES AND

#### **EDIT/ CHANGE**

THESE ITEMS MAY NOT BE APPLICABLE-VERIEY

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

THESE ITEMS MAY NOT BE APPLICABLE-VERIFY

ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

#### **EDIT/ CHANGE**



#### CONSULTANT:

CONSULTANTS COMPANY

COMPANY ADDRESS COMPANY TEL & FAX NUMBERS

## **EDIT/ CHANGE**

PROJECT NAME :

PROJECT/ TENANT'S NAME & LOGO

#### **EDIT/ CHANGE**

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CONDITIONS AND **SPECIFICATIONS** 

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#### **CONDITIONS AND SPECIFICATIONS:**

#### DIVISION FIFTEEN: MECHANICAL SECTION 15400 - PLUMBING

- 11 RELATED DOCUMENTS: DRAWINGS AND GENERAL PROVISIONS OF THE AGREE-MENT INCLUDING GENERAL CONDITIONS SUPPLEMENTARY CONDITIONS AND DIV-ISON 1 SECTIONS OF THESE SPECIFICATIONS APPLY TO WORK OF THIS SECTION.
- 12 STANDARDS AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI): AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS; CAST IRON SOIL PIPE INSTITUTE (CSPR): MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND HITTINGS INDUSTRY (MSS) AND UNDERWITTERS LABORATORS INC. (LI).
- A. CISPI STANDARD 301 STANLESS STEEL COUPLING AND HUBLESS PPING SYSTEM FOR CAST IRON PPING AND FITTINGS.
- B. ANSI A112.18.1 FINISHED AND ROUGH BRASS PLUMBING FIXTURES FITTINGS.
- C. ANSI A112.19.5 TRIM FOR WATER CLOSET BOWLS, TANKS AND URINALS.
- D. ANSI B163 MALLEBLE IRON SCREWED FITTINGS (150 AND 300 LBS).
- E. ANSI B16.15 CAST BRONZE SCREWED FITTINGS (125 AND 250 LBS).
- F. ANSI B1622 WROUGHT COPPER AND BRONZE SOLDER-JOINT PRESSURE FITTINGS.
- G. ANSI B1626 CAST BRONZE FITTINGS FOR FLARED COPPER TUBES.
- H. ANSI B1829 WROUGHT COPPER ADN WROUGHT COPPER ALLOY SOLDER JOINT DRAINAGE FITTINGS.
- I ANSI Z2115 MANUALLY OPERATED GAS VALVES.
- J. ANSI Z2122 RELIEF VALVES AND AUTOMATIC BASE (GAS) SHUTOFF DEVICES FOR HOT WATER SUPPLY SYSTEMS.
- K. ASTM A 53 BLACK AND HOT-DIPPED, ZINC-COATED WELDED AND SEAMLESS STEEL PIPE.
- L ASTM A 74 CAST-IRON SOIL PIPE AND FITTINGS. M. ASTM A 120 - BLACK AND GALVANIZED STEEL PIPE
- N. ASTM B 32 SOLDER METAL
- O. ASTM B 43 SEAMLESS RED BRASS PIPE.
- P. ASTM B 88 SEAMLESS COPPER WATER TUBE (K, L & M).
- Q. ASTM B 306 COPPER DRAINAGE TUBE (DWV).

- T. MSS SP 80 1987 BRONZE GATE, GLOBE, ANGLE, AND CHECK VALVES.
- 13 APPROVALS AND LISTINGS: UNDERWRITERS LABORATORIES INC. (UL).

## PART 2 - PRODUCTS

- 21 PIPE, TUBING AND FITTINGS:
- A WATER SUPPLY: TYPE 'L' COPPER TUBE ABOVE GROUND AND TYPE K' BELOW GROUND COMPLYING WITH ASTM B 88. PROVIDE WITH COPPER AND BRONZE FITTINGS COMPLYING WITH ANSI BRIGZZ.
- B. SANITARY DRAIN HUBLESS CAST-IRON SOIL PPE COMPLYING WITH ASTM A 74 WITH GASKETS AND COUPLINGS COMPLYING WITH ASTM C 564 AND CISPI STANDARD 301 RESPECTIVELY. PROVIDE HITTINGS AND PPE FROM A SINSLE MANUFACTURER
- C. SANITARY VENT: SCHEDULE 40, GALVANIZED STEEL PIPE COMPLYING WITH ASTM A 120 WITH THREADED MALLEABLE IRON FITTINGS COMPLYING WITH ANSI B163.
- INDIRECT WASTE: COPPER DRAINAGE TUBE COMPLYING WITH ASTM B 306 WITH COPPER AND ALLOY FITTINGS COMPLYING WITH ANSI B1629.
- E. CONDENSATE TUBING: TYPE MY COPPER TUBE COMPLYING WITH ASTM B 88 WITH COPPER AND BRONZE FITTINGS COMPLYING WITH ANSI B1621.
- F. DIELECTRIC UNIONS: SEAMLESS RED BRASS PIPE COMPLYING WITH ASTM B 43.

- A WATER SUPPLY VALVES BRONZE WEDGE OR LINE SIZE, QUARTER TURN BALL VALVES AS INDICATED MANUFACTURED BY NIBCO, WATTS OR WALWORTH COMPLYING WITH MSS-SP-80.
- B. PRESSURE RELIEF VALVES: WATTS, N35-BU-3/4, COMPLYING WITH ANSI Z2122.
- C. MANJALLY OPERATED GAS VALVES: WALWORTH, MODEL NO. 554, COMPLYING WITH ANSI 2215.

- A SOLDER 95/5 COMPLYING WITH ASTM B 32.
- B. FLUX: ENGLEHARD, "ULTRA-FLUX"
- C. HANGERS AND SUPPORTS: PROVIDE SUPPORTS, HANGERS, INSERTS AND ASSOCIATED ITEMS TO PROPERLY SUPPORT PIPE AND TUBING IN ACCORDANCE WITH MSS-SP-6B.
- D. JOINT COMPOUND:
- E. PIPE INSULATION: THERMACELL, CLOSED CELL FOAM.
- 25 FIXTURES, FITTINGS, TRIM AND EQUIPMENT: AS SCHEDULED OR OTHERWISE INDICATED.

#### PART 3 - EXECUTION

- 31 DO NOT ATTACH TO OR SUSPEND CONSTRUCTION FROM THE DECK ABOVE, UN-LESS IT & APPROVED BY THE LANCOOD IN WHITING BEFORE-MAD. FRAME OF THE DISTRICT MALE CONSTRUCTION FREMEMONS OR MODIFICATIONS OF OF THE DISTRICT MALE CONSTRUCTION FROM THOSE OR MODIFICATIONS OF DISTRICT MALE CONSTRUCTION FROM THE DISTRICT OR PROPERTY OF THE LANCOOD IN WHITING BEFORE-MAD.
- 32 COORDINATE THE LOCATION OF EQUIPMENT STUB-OUTS, VALVES ADN CLEANOUTS SO THAT THEY MER READLY ACCESSBILE AND HAVE THE CLEANANCES RECURRED FOR MANTENANCE. THE LOCATION OF STUB-OUTS SHOULD BE COORDINATED WITH THE RECUREN
- 33 SLOPE DRAIN, VENTS AND CONDENSATE LINES AS INDICATED. IF NOT INDICATED PROVIDE THE MINIMUM SLOPE PERMITTED UNDER THE CODE.
- 3.4 PROVIDE FIRE SAFING AROUND PENETRATIONS THROUGH FIRE RATED PARTITIONS, SHAFTS, FLOOR ASSEMBLIES AND ENCLOSURES.
- 35 IDENTIFY GAS, WATER AND SEWER LINES BURIED IN TRENCHES TO ASSIST WITH EXCAVATION AND REPAIRS IN THE FUTURE.
- 3.6 SUPPORT AND BRACE PIPING AND EQUIPMENT IN ACCORDANCE WITH MSS-SP-69
- 37 TEST AND BALANCE PLUMBING IN CONFORMANCE WITH THE REQUIREMENTS OF APPLICABLE CODES AND REGULATIONS PRIOR TO PROJECT CLOSEOUT.

#### SECTION 16500 - HEATING, VENTILATION AND AIR CONDITIONING

#### DIVISION SIXTEEN : ELECTRICAL SECTION 16400 - ELECTRICAL

#### PART 1 - GENERAL

- 12 LISTINGS ALL MATERIALS AND EQUIPMENT SHALL BE LISTED BY THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION INBIAM) AND UNDERWINTERS LABORATORIES INC. ULL. ALL MATERIALS AND EQUIPMENT SHALL BE USED AND INSTALL-ED IN A MANNER CONSISTENT WITH THER LISTING.
- 13 QUALITY ASSURANCE SUBMIT MAINTENANCE MANUALS FOR EQUIPMENT TO THE

#### PART 2 - PRODUCTS

- 21 DISTRIBUTION SYSTEM
- BRANCH ORCUT PANEL(S); UL USTED, SQUARE D, I LINE SERIES; FLUSH MOUNTED; SIZED TO FIT BETWEEN FRAMING SPACED IS ON CENTER WITH COPPER BUS BARS WITH NOT LESS THAN 986 CONDUCTINTY AND A FULL SIZE NEUTRAL BUS.
- B. RIGID GALVANIZED STEEL CONDUIT: UL LISTED WITH THREADED FITTINGS IN THE DIAMETERS INDICATED.
- C. ELECTRICAL METALLIC TUBING (EMT); UL LISTED WITH COMPRESSION FITTINGS IN THE DIAMETERS INDICATED.
- D. POLYVINYL CHLORIDE (PVC) CONDUT: UL LISTED; SCHEDULE 40 WITH SCHEDULE 80 BENDS AND FITTINGS COMPLYING WITH NEMA TC-3 IN DIAMETERS INDICATED.
- E CUTLET, JUNCTION AND SWITCH BOXES UL LISTED, GALVANIZED, STANDARD GANG SWITCH BOXES, ROUNDS AND OCTAGONS IN SIZES TO CONTAIN ENCLOSED WIRES WITHOUT CROWDING.
- CONDUCTORS: UL LISTED; ANNEALED SOFT DRAWN COPPER TYPE THW, THWN OR XHHW WITH 600'N INSULATION. PROVIDE SOLD WRIE FOR NO 8 OR SMALLER WIFE AND STRANDED WRIE FOR WIRE LARGER THAN NO. 22 SWITCHES UL LISTED, 20 AMP, 120/277 VAC, LEVITON, "DECORA" IN WHITE WITH WHITE WALL PLATES.
- 23 RECEPTACLES:
- DUPLEX RECEPTACLES: UL LISTED; 3 POLE; 20 AMP; 120 VAC; LEVITON, "DECORA," IN WHITE WITH WHITE WALL PLATES.

- FLUSH MOUNTED FLOOR RECEPTACLES: UL LISTED; UL 514A
- GROUND FAULT CROUT INTERRUPTER (GFCK UL USTED, CLASS A DUPLEX RECEPTACLE CAPABLE OF DETECTING A 6 MILLAMP OR GREATER GROUND FAULT AND TRIPPING PER THE REQUIREMENTS OF UL 943, LUTRON, VAREO' SERES IN WHITE
- LIGHT FIXTURES AND LAMPS: AS INDICATED AND SCHEDULED.
- TELEPHONE, FACSIMLE AND COMPUTER
- WRING: CATEGORY 5, 24 GAUGE, (6) PAIR TWISTED WIRE.
- PHONE/FACSIMILE JACKS: FLUSH MOUNTED RJ-11 JACKS WHITE WALL PLATES.
- COMPUTER JACKS: FLUSH MOUNTED RJ-45 JACKS WITH WHITE WALL PLATES.
- TIMECLOCK(S): INTERMATIC, MODEL NO. SPDT WITH 176T17A-120V; SEVEN DAY PRO-GRAMMABLE WITH ONE CIRCUIT.

# PART 3 - EXECUTION 3.1

- DO NOT ATTACH TO OR SUPERN CONSTRUCTION FROM THE SECY MOVE AND A SECOND TO THE SECY MOVE AND A SECOND TO THE SECOND OF THE SECOND OF THE SECOND AS INCESSARY SO THAT IT IS INCEPENDENT OF THE EMISTING AND ALL CONSTRUCTION AS INCESSARY SO THAT IT IS INCEPENDENT OF THE EMISTING AND ALL CONSTRUCTION PREVENTIONS OF MODIFICATION ENTER STRUCTURAL STEEL, CONCRETE OR FOOTHING MUST BE APPROVED BY THE LANCING ON WRITING BEFOREHING.
- ALL WRING, INCLUDING LOW-VOLTAGE WRING, SHALL BE INSTALLED IN CONDUIT. CONCEAL CONDUIT IN WALLS, SLABS OR CELINGS.
- PROVIDE PVC CONDUIT WHEN CONDUIT IS INSTALLED UNDERGROUND OR CAST IN CONCRETE SLABS. TERMINATE PENETRATIONS THROUGH SLABS WITH RIGID GALVANIZED STEEL CONDUIT.
- PROVIDE FIRE SAFING AROUND PENETRATIONS THROUGH FIRE RATED FLOOR ASSEMBLIES, PARTITIONS, SHAFTS AND ENCLOSURES.
- PROVIDE A MINIMUM #12 GROUND WIRE IN EACH 20 AMP CIRCUIT AND CONDUIT RUN AND CONNECT TO EACH DEVICE. SIZE LAGER CIRCUIT GROUND WIRES PER THE NEC. VERRY GROUNDING REQUIREMENTS WITH THE UTILITY COMPANY.
- PROVIDE FLEXIBLE CONDUIT FOR THE FINAL CONNECTION TO MOTORS AND OTHER VIBRATING EQUIPMENT.
- INSTALL PULL STRINGS IN EMPTY CONDUITS.
- CLEAN AND ADJUST EQUIPMENT AND LIGHT FIXTURES AFTER INSTALLATION AND BEFORE SURRENDERING PROJECT TO THE OWNER.
- VERFY LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLES, SWITCHES AND EQUIPMENT PRIOR TO INSTALLATION.
- 3.10 CLEARLY LABEL PANELS AND CIRCUIT BREAKERS TO INDICATE THE DEVICES CONTROLLED
- ALL INCANDESCENT FIXTURES SHALL BE THERMALLY PROTECTED IN ACCORDANCE WITH NATIONAL ELECTRIC CODES. 3.12 ALL LIGHTING FIXTURES SHALL BE LISTED AND LABELED UIL APPROVED.

END OF SECTION

ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

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CONSULTANT'S COMPANY NAME & LOGO

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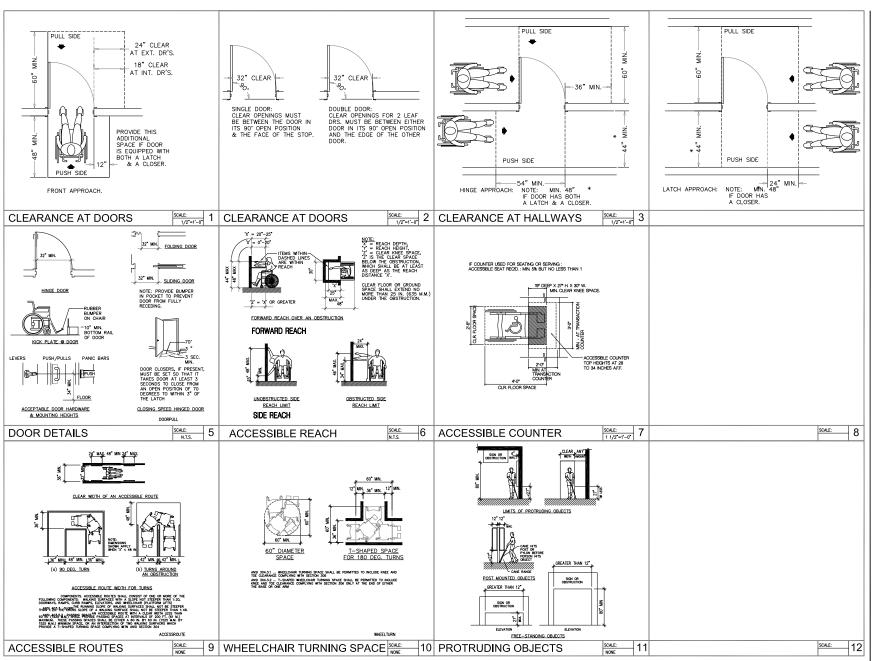
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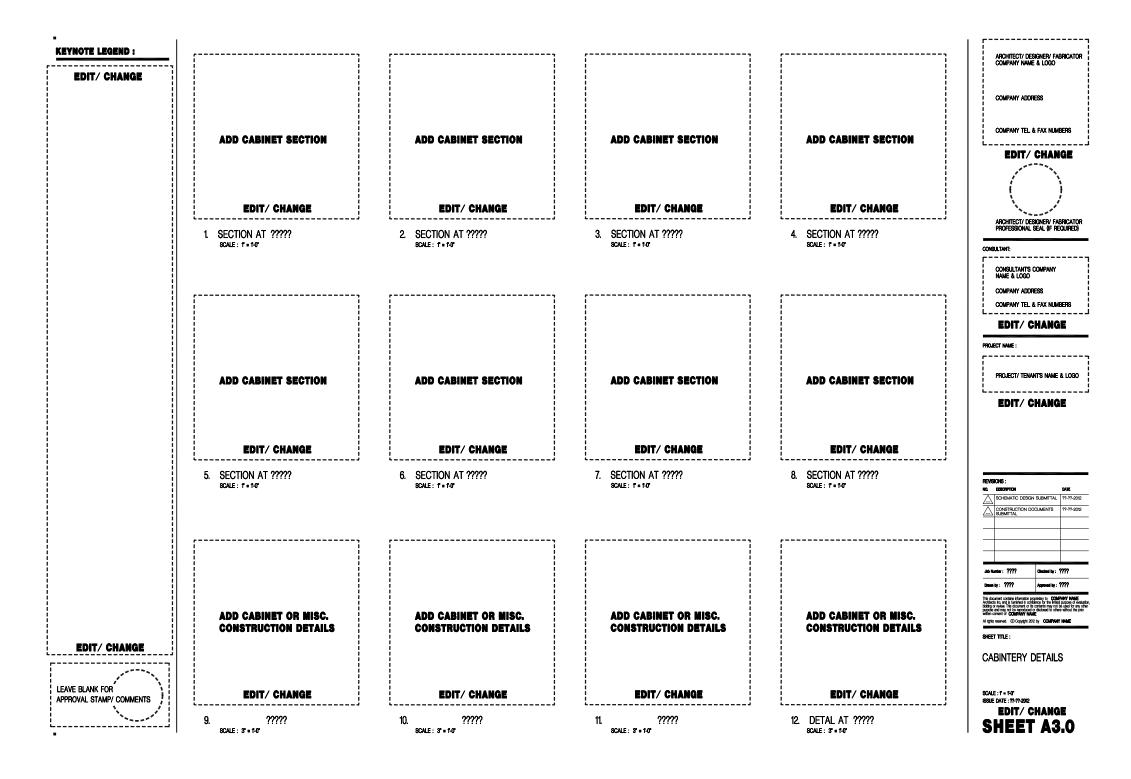
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# MATERIAL & FINISH RATINGS - PER CBC, SECTION 803 **KEYNOTE LEGEND:** ARCHITECT/ DESIGNER/ FABRICATOR APPLIED INTERIOR CELLING AND WALL FINISHES IN TARE LIMITED TO CLASS "A" MATERIALS, WITH A MAXIMUM FLAME-SPREAD INDEX OF 0-25 AND A MAXIMUM SMOKE DEVELOPED INDEX OF 0-450 - PER CBC 803.11 **EDIT/ CHANGE** STABILITY - INTERIOR FINSH MATERIALS REGULATED BY THIS CHAPTER SHALL BE APPLED OR OTHERWISE FASTENED IN SUCH A MANNER THAT SUCH MATERIAL WILL NOT READLY BECOME DETAILED HOW DEVELOPED TO ROOM TEMPERATURES OF 200F (93C) FOR NOT LESS THAN 30 MINUTES - PER CBC SECT. 8032 COMPANY ADDRESS FRE-RETARDANT COATINGS. THE REQUIRED FLAME SPREAD OR SMOKE-DEAL-OCK DIVERS IN DESTING BILLDINGS SHALL BE SMOKE-DEAL-OCK DIVERS IN DESTING BILLDINGS SHALL BE COATINGS PAINT OF SMOKE DIVERS AND A FAME SPREAD NEW SOCKEDINGS THAT ALLOWED SUCH APPLICATIONS SHALL COMEN'S WITH PRATO AND AT REQUIRED THE REQUIRED FRE-FREADANT PROPERTIES SHALL BE MANITARED OR RESMEAD IN ACCORDANCE WITH THE MANUFACTURERS INSTITUTIONS OF THE OSS ECT. 1883. COMPANY TEL & FAX NUMBERS ADD SPECIFICATIONS AND DATA SHEET SAMPLES FROM MANUFACTURERS, **EDIT/ CHANGE** FRE-RETAFONIT TREATED WOOD IS ANY WOOD PRODUCT WHO! WHEN MPRESNATED WITH CHEMICALS BY A PRESSURE PROCESS OR OTHER MEANS DURING MANAPECTRE SHALL HAVE WHEN TESTED IN A SCOTOMACK WITH STORE ON A CONTINUE OF THE STATE TESTING AGENCIES OR CODE APPROVED RESEARCH REPORTS FOR MATERIALS AND FINISHES USED. SITE-FABRICATED STRETCH SYSTEMS, WHERE USED AS NEWLY INSTALLED INTERIOR WALL OR INTERIOR CELING PINSH MATERIALS, SITE-FABRICATED STRETCH SSTEMS SHALL BE INSTEED IN THE MINNER INTERIOR FOR USE. AND SHALL COMEY WITH THE REQUIREMENTS OF SECTION 8031 OR 8031.2 FT HE MATERIALS ARE TISSED ON ACCORDANCE WITH ASTID ES ON OF THE STRETCH STATE STRETCH STATE STRETCH ASTID ASTON AND INCOME SHALL BE IN ACCORDANCE WITH ASTID ES OF A PERIORS SECTION 8039. ARCHITECT/ DESIGNER/ FABRICATOR PROFESSIONAL SEAL (IF REQUIRED) CONSULTANT: **ADD ANY ADDITIONAL CODE** CONSULTANTS COMPANY **REFERENCES / NOTES AS MAY** COMPANY ADDRESS BE REQUIRED AS PPLICABLE. COMPANY TEL & FAX NUMBERS **EDIT/ CHANGE EDIT/ CHANGE EDIT/ CHANGE** PROJECT NAME: PROJECT/ TENANT'S NAME & LOGO **EDIT/ CHANGE** SCHEMATIC DESIGN SUBMITTAL 77-77-2012 CONSTRUCTION DOCUMENTS ??-??-2012 ADD SPECIFICATIONS AND DATA SHEET SAMPLES FROM MANUFACTURERS, Checked by: ???? TESTING AGENCIES OR CODE APPROVED RESEARCH REPORTS FOR MATERIALS AND FINISHES USED. All rights reserved. @ Copyright 2012 by COMPANY NAME SHEET TITLE : FINISHES & MATERAILS SPECS & RATING DATA LEAVE BLANK FOR SCALE - N/A ISSUE DATE : ??-??-2012 APPROVAL STAMP/ COMMENTS **EDIT/ CHANGE EDIT/ CHANGE** EDIT/ CHANGE **SHEET A4.0**

#### GENERAL SPECIFICATIONS:

#### PART 1 - GENERAL 10 GENERAL:

#### 11 SCOPF:

A THE WORK LINDER THIS SECTION SHALL INCLUDE RURNISHING ALL LABOR, AMTERIALS, TOOLS, AND EQUIPMENT REQUIRED FOR THE OWN THE AMERICAN CONTINUE TO THE THE OWN THE RESTORMENT OF THE OWN THE RESTORMENT OF THE OWN THE O

#### 12 CONTRACT DRAWINGS:

- A IN GENERAL THE LECTROAL DRAWNOS ARE DIAGRAMANTO IN MATURE AND NICATE THE LOCATION OF OUTLETS AND EQUIPMENT AND THEM PRIFECONECTION. AND THOUGH NOT RESSENAULY NICATION THE ACTUAL PROPER COOSEMATION WITH THE WORK PARKED AND THE ACTUAL PROPER COOSEMATION WITH THE WORK DRAWNOS ARE ON TITISHED TO BE SOULD ENGRAPHED TO THE ACHIETOTHE OF THOUSE FROM THE CONTROL AND ENGLAPS AND LIMITATIONS OF THE BULDINGS RICHARD AND TO THE WEST SHOULD PROVIDE THE ACHIETOTHE ACHIETOTHE ACTUAL CONTROL AND THE ACHIETOTHE ACTUAL THE ACHIETOTHE OF THOSE TRACES FOR THE LOCATION OF EQUIPMENT OF THOSE TRACES FOR THE LOCATION OF EQUIPMENT OF THOSE TRACES FOR THE ACHIETOTHE ACHIETOTH
- PROVIDE' MEANS FURNISH, INSTALL, AND CONNECT UNLESS OTHERWISE NOTED.

- A DURING THE PROGRESS OF THE WORK, MAINTAIN ONE COMPLETE SET OF RECORD DRAWINGS AS OUTLINED UNDER GENERAL NOTE 12 AS THE WORK IS INSTALLED, NEATLY AND CLEARLY MARK ON THESE PRINTS THE FOLLOWING INFORMATION
- 2. INFORMATION CONTAINED ON CHANGE ORDERS.
- 3. DIMENSIONED LOCATIONS OF CONCEALED CONDUITS
- 4. DIAGRAMS OF EQUIPMENT CONNECTIONS.

DELMERED TO THE ARCHITECT.

- A NOTHING IN THESE SPECIFICATIONS OR ON THE DRAWINGS SHALL BE INTERPRETED AS FERMISSION TO VIOLATE CODES OR ORDINANCES ELECTRICAL WORK SHALL CONFORM TO THE LATEST REVISIONS OF THE FOLLOWING CODES AND STANDARDS:
- 1. NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
- 2 UNDERWRITERS LABORATORIES
- 3. LOCAL CODES AND INSPECTION AUTHORITIES.
- 4. NATIONAL ELECTRICAL CODE FOR ALL ITEMS NOT SPECIFICALLY COVERED BY STATE OR LOCAL ORDINANCES.
- B. INSPECT THE JOB SITE PRIOR TO SUBMITTING A BID AND MAKE ALLOWANCE FOR EXISTING CONDITIONS WHICH MAY AFFECT THE WORK AND ARRANGE FOR AND PAY FOR TESTS AND INSPECTIONS, AND GIVE NOTICES REQUIRED BY ANY AND ALL LAWS, RILLES, REQUIATIONS, AND OFFICIANCES WHICH PERSTAN TO THIS WORK, WHERE ADDITIONS OR ALTERATIONS ARE REQUIRED IN OR AT DISTING ELECTRICAL INSTITUTION OF ANDICATED.
- 1 INFORMATION GIVEN ON THE DRAWINGS REGARDING EX INFOUNDATION OF NO THE DISWANDS REGISTRING SOSTING INSTALLATIONS OR CONDITIONS HAS BEEN DISTANCE FROM THE BEST SOURCES WALABLE BUT CANNOT BE GUARANTEED ACQUIRATE IN ALL RESPECTS VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH ANY NEW WORK THAT MAY BE AFFECTED. INCLUDE AS A PART OF THE CONTRACT ALL WORK REQUIRED TO PRODUCE THE INDICATED RESULT.
- RELOCATE AND/OR RECONNECT EXISTING CIRCUITS WHERE CONTINUITY HAS BEEN AFFECTED OR AS MAY BE REQUIRED TO PROVIDE FOR NEW CONSTRUCTION.

#### 15 PERMITS AND FEES:

A OBTAIN AND PAY FOR ALL FEES, PERMITS AND INSPECTIONS RELATED TO THE ELECTRICAL WORK DELIVER ALL CERTIFICATES OF INSPECTION TO ARCHITECT.

#### 16 MATERIALS:

- A ALL MATERIALS AND EQUIPMENT SHALL BE NEW.
- B. COMPLY WITH APPLICABLE STANDARD AND REQUIREMENTS OF:
  - 1 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
  - 2 NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION (NEMA).
  - 3. AMERICAN NATIONAL STANDARDS INSTITUTE (ANS)
  - 4. UNDERWRITERS' LABORATORIES, INC. (U.L.).
- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (EEE).
- STATE FIRE MARSHAL
- INSTITUTE OF POWER CABLE ENGINEERS ASSOCIATION (PCEA).
- C. ITEMS OF SIMLAR NATURE SHALL BE BY THE SAME MANUFACTURER.
- THE LABEL OF USTING BY UNDERWRITERS'
  LABORATORIES, INC. SHALL APPEAR ON ALL MATERIALS AND
  EQUIPMENT FOR WHICH STANDARDS HAVE BEEN ESTABLISHED.

#### PART 2 - PRODUCTS

A ALL MATERIALS USED IN THE ELECTRICAL WORK HEREN SECRED SHALL BE NEW AND SUITED TO THE USER INTINCED AND SHALL BE INTERED IN THE LONGWAINTERS MAD CHAPTER, NO. AND SHALL BE LISTED BY THE LONGWAINTS AND DEATH THE LUSER. WHEREVERS DEPONDENCES HAVE DESCRIBEDING THE LOSE WHEREVERS DEPONDENCES HAVE DESCRIBEDING THE LOSE HAVE THE LOSE OF THE MATERIAL WHICH HAVE THE RECHT TO REJECT ANY MATERIAL WHICH IN 18 SECOPEATION, BITHER BEFORE OR AFTER INSTILLATION, ALL MATERIALS WALL BE OF THE THE SECOPE, AND NO SUBSTITUTIONS WILL BE FEMILIED WHITEFUL SECOPED, AND NO SUBSTITUTIONS WILL BE FEMILIED WHITEFUL SECOPED.

#### 22 CONDUIT

- A PROVIDE ONLY NEW CONDUIT WITH UL LISTING OR LABEL AND DELIVER TO THE SITE IN STANDARD LENGTHS. UNLESS OTHERWISE INDICATED, PROVIDE CONDUITS FOR ALL TYPES OF CONDUCTORS OR CABLES OF ALL SYSTEMS AND VOLTAGES.
- RGID STEEL CONDUIT AND COUPLINGS. HOT-DPPED GALVANIZED WITH GALVANIZED THREADS. PROVIDE INSULATED METALUE BUSHING EXCEPT THAT SIZES 1 INCH AND SMALLER MAY BE NONMETALLIC TYPE.
- 2 ELECTRICAL METALLIC STEEL TUBING: HOT-DIPPED GALVANIZED, PROVIDE INSULATED AND BUSHED TAP-ON TYPE CONNECTORS AND COULPLINGS AS MADE BY TOMIC OR T & B, OR WRENCH TIGHTENED COMPRESSION TYPE
- 3. FLEXBLE CONDUIT: MANUFACTURED FROM ALUMINUM OR SINGLE STRP GALVANAZED STEEL. PROVIDE INSULATED DECAST CONNECTIONS WITH RIDGES THAT THREAD INTO THE INSIDE OF THE CONDUIT TO INSURE A FORCE RIT AS MADE BY D & HE LECTRICAL COMPANY OR EQUAL.
- LIQUIDTIGHT FLEXIBLE CONDUT: IDENTICAL TO FLEXIBLE STEEL CONDUIT BUT WITH OVERALL POLYVIMYL CHLORDE PLASTIC JACKET, PROVIDE INSULATING CONNECTORS, APPLETON STN SERIES OR EQUAL
- RIGID PLASTIC CONDUIT: EXTRUDE FROM VIRGIN POLYVINYL CHILORIDE COMPOUND, SCHEDULE 40 HEAVY WALL, IN 10'-0" LENGTHS WITH COUPLINGS.

#### 23 WRE AND CABLE

- A. ALL WIRE AND CABLE SHALL BE ANNEALED COPPER WITH 96% CONDUCTIVITY AND 600-VOLT INSULATION.
- CONDUCTORS NOTO AWG AND SMALLER SHALL BE SOLD TYPE THIN OR THIM INSULATION NOS AWG AND LARGER SHALL BE STRANDED TYPE THIN OF THIM INSULATION USE TYPE THIM IN WET LOCATIONS, IN CONDUITS INSTALLED WITHIN OR JUST LINDER ROOPING MATERIALS AND FOR ALL AREAS EXTEROR TO BULDINGS.

#### 24 LIGHTING FIXTURES

- PROVIDE RECESSED, SURFACE AND PENDANT MOUNTED LIGHTING RITURES, COMPLETE WITH LAMPS, AND BALLAST WHERE REQUIRED, AS SHOWN OF THE DRAWINGS AS SPECIFIED.
  - FLUORESCENT BALLAST OF PROPER TYPE AND CHARACTERISTICS FOR THE LAMPS IN THE RIKTURE AND WITH VOLTAGE RATING AS REQUIRED BY THE CIRCUIT WHICH THE FIXTURE IS CONNECTED.

## 25 WRING DEVICES

- A WRING DEVICES SHALL BE OF THE MOLDED COMPOSITION SPECIFICATION GRADE ALL DEVICES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED AND WITH FINSH MATCHING DEVICE PLATES LOCAL SWITCHES SHALL HAVE ALTERNATING CUPRENT RATINGS EQUAL TO FILL NORMAL CAPPLO.
  - RECEPTACLES: PROVIDE TYPE IN ACCORDANCE WITH NEMA STANDARD CONFIGURATION AS SHOWN.
  - SWITCHES: SINGLE POLE, 3-WAY AND 4-WAY AS SHOWN, FINSH AS SELECTED.
- PROVIDE PLATES FOR ALL OUTLET BOXES AND FITTINGS OF ALL SYSTEMS EXCEPT AT OUTLETS WHERE FIXTURE CANOPIES ARE USED.

- A PROVIDE A NAMEPLATE FOR EACH PANELBOARD, DISCONNECT SWITCH, AND FOR ANY OTHER CONTROL DEVICE OR MAJOR ITEM OF ELECTRICAL EQUIPMENT, AS FOLLOWS:
- PROVIDE BLACK-ON-WHITE LAMINATED PLASTIC NAMEPLATES ENGRAVED IN 194" HIGH LETTERS TO CORRESPOND WITH THE DESIGNATIONS ON THE ORAWINGS. PROVIDE CITHER OR ADDITIONAL INFORMATION ON NAMEPLATES WHERE INDICATED.
- ATTACH NAMEPLATES TO EQUIPMENT WITH RIVETS, BOLTS, OR APPLICABLE SHEET METAL SCREWS. GLUE-ON TYPES AND POPRIVET TYPES ARE NOT ACCEPTABLE.
- AND FORMER THE ARE NOT MAJOR FACE.

  PROVIDE DYMO TYPE PLASTIC TAPE FOR EACH RECEPTACLE

  AND J-BOX NDICATING GROUIT NUMBERS AND PANEL

  PROVIDE ADDITIONAL INFORMATION AS INDICATED ON THE

  DRAININGS. THE COLOR CODE FOR THE TAPES SHALL BE AS FOLLOWS:

A OUTLET AND JUNCTION BOXES USED IN CONCEALED WORK, SHALL BE GALVANIZED OR SHEPAPOZIZED ONE-RECC; PRESSED STEEL KNOCKOLT PRE SIZED IN ACCORDANIZE WITH THE OODE FOR THE NUMBER OF CONDUCTORS OF THE NUMBER AND SIZE OF CONDUITS ENTERNOR THE OOK BUT SHALL NOT BE LISS THAN 4 SOLUME AND 14/2" DIEEP PLASTER PRIOS SHALL BE PROVIDED FOR ALL FLUSH MOUTHED BOXES.

#### 28 PANELBOARDS

A PROVIDE SUPFACE OR RECESSED MOUNTED PANELBOARDS WITH MAIN LUGS, SUB FEED LUGS, BUS SIZE AND CROLUT BREAKERS OF A RATING AS SHOWN ON THE DRAWINGS.

- CROUT BREAKERS SHALL BE BOLT-ON TYPE WITH INTERRUPTING CAPACITY AS INDICATED ON THE PANEL SCHEDULES AND SHALL BE SERIES RATED WITH FEEDER OVERCURRENT DEVICE.
- PROVIDE NEATLY TYPED CIRCUIT DIRECTORY CARD, CLEARLY IDENTIFYING ALL CIRCUITS, MOUNTED IN A CARD HOLDER BEHIND PANEL COVER.

#### PART 3 - EXECUTION

#### 3.1 MATERIALS AND WORKMANSHIP

A ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORD-DIANCE WITH RECOMMENDATIONS OF THE MANUFACTURER TO CONF-ORM WITH THE CONTRACT DOCUMENTS. THE INSTALLATION SHALL BE ACCOMPUSHED IN CONFORMANCE WITH THE APPLICABLE

#### 32 WIRE AND WIRING METHODS

- ALL WIPING AND CABLE INCLUDING LOW VOLTAGE AND CONTROL CIRCUITS SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE MOTED
- COLOR CODE ALL BRANCH CROLIT AND CONTROL CROLIT WIRNS BY MEANS OF FACTORY COLOR CODED CONDUCTORS EACH PHASE SAUL BE THE SMC COLOR THROUGHOUT THE SYSTEM AND SHALL BE A DIFFERENT COLOR FROM OTHER PHASES AND OTHER SYSTEMS THE DENTRED NATURAL CONDUCTOR SHALL BE WHITE, AND GROUND WIRES SHALL BE GREEN.
- 2. FOLLOWING WRING METHODS ARE NOT ALLOWED IN THE
  - a) NON METALLIC SHEATHED CABLE, TYPES NM OR NMC (ROMEX) FOR ANY INSTALLATION.
  - b) ARMORED CABLE, TYPE AC (BX) IN CONCEALED LOCATION.

#### 33 CONDUIT AND TUBING

- A EXCEPT WHEN OTHERWISE INDICATED AS MORE STRINGENT PROVIDE THE TYPE OF CONDUIT LEGALLY PERMITTED OR REQUIRED FOR EACH LOCATION OR CONDITION UNLESS
- ELECTRICAL METALLIC TUBING (EMT) MAY BE INSTALLED ONLY WITHIN BULDINGS ABOVE GRADE IN DRY LOCATIONS AND WHERE NOT SUBJECT TO MECHANICAL INJURY OR OTHERWISE PROHIBITIES.
- 2 USE FLEXIBLE CONDUIT ONLY AS FOLLOWS
- a) WHERE INDICATED.
- CONCEALED RUNS IN DRY LOCATIONS WHERE STRUCTURAL CONDITIONS PREVENT THE USE OF OTHER TYPES OF CONDUIT.
- c) FINAL CONNECTION TO VIBRATING EQUIPMENT
- d) CONNECTION TO RECESSED LIGHT FIXTURES FROM NEARBY JUNCTION BOX
- RIGID PLASTIC CONDUITS MAY BE INSTALLED FOR UNDERGROUND WORK.
- USE RIGID METAL CONDUIT WHERE LEGALLY REQUIRED, WHERE EXPOSED TO THE WEATHER; ALSO WHERE SUBJECT TO MECHANICAL INJURY

#### 3.4 LIGHTING FIXTURES

- A FURNISH AND INSTALL FIXTURES COMPLETE IN CONFORMANCE WITH THE SPECIOCATION, THE REQUIREMENTS SPECIFIED BELOW, AND DETAILED ON THE DRAWNINGS LEFTALS SHOWN ON THE DRAWNINGS AND ARE INDICATIVE OF THE GENERAL TYPE DESIRED AND ARE NOT INTENDED TO RESTRICT SELECTION TO RITURES OF ANY PARTICULAR MANUFACTURER SUBJECT FOR APPROVAL)
- 1. LIGHTING FIXTURES SHALL BE SET PLUMB, SQUARE, LEVEL. AND IN ALIGNMENT AND SHALL BE SECURED IN ACCORDANCE WITH THE MANUFACTURERS DIRECTIONS AND SHOD DRAWINGS EXCEPT AS OTHERWISE NOTICE ACCESSORES SUCH AS STRAFS, MOUNTING PLATES, INPLES, OR BRACKETS SHALL BE PROVIDED FOR PROPER INSTALLATION.
- 2. FOR FLUORESCENT FIXTURES, THE CATALOG NUMBERS ARE THOSE FOR INDIVIDUAL UNITS WHERE CONTINUOUS ROWS ARE INDICATED, PROVIDE ALL NECESSARY ACCESSORES. WHERE SINGLE-LAMP FIXTURES ARE INDICATED IN CONTINUOUS ROWS PROVIDE TANDEM UNITS WITH 2-LAMP BALLAST WHEREVER POSSIBLE.
- 3. LAMPS OF THE PROPER SIZE THEY WATTAGE, AND VOLTAGE NATIONS AS NOCIATED ON THE DRAWNESS SHALL BE NATIONAL STATEMENT OF THE PROPERTY OF THE P

#### 35 EOLIDWENT CONNECTIONS

- ALL WRING FOR THE CONNECTION OF MOTORS AND CONTROL EQUIPMENT AS INDICATED ON THE DRAWING SHALL BE PURINSHED AND INSTALLED UNDER THIS SECTION OF THESE SPECIFICATIONS.
- B. FLEXBLE CONNECTIONS OF SHORT LENGTH SHALL BE PROVIDED FOR EQUIPMENT SUBJECT TO VIBRATION OR MOMENTAND FOR ALL MOTORS. LIQUID-THE FLEXIBLY CONDUIT SHALL BE USED IN WET LOCATIONS. A SEPARATE GROUND CONDUCTOR SHALL BE PROVIDED ACORDS ALL TENDEL CONNECTION.

#### 3.6 TESTS

- A. IN ADDITION TO TESTS REQUIRED BY OTHER SECTIONS, PERFORM OR CAUSE TO BE PERFORMED, ANY TESTS SPECIFED FOR ELECTRICAL WORK WHEN THE WORK IS SUBSTANTIALLY COMPLETE, INCLIDING BUT NOT LIMITED TO THE FOLLOWING.
  - UPON COMPLETION OF THE WORK AND ADJUSTMENT OF ALL FOLIPMENT CONDUCT AN OPERATING TEST AND SUBMIT FOR EQUIPMENT, CONDUCT AN OPERATING TEST AND SUBMIT FO APPROVAL AT SUCH TIME AS THE APONTECT DIFFER CONDUCT THE TEST IN THE PRESENCE OF AN AUTHORIZED REPRESENTATIVE OF THE ARCHITECT AND/OR THE GENERAL CONTRACTOR OR ITS AUTHORIZED REPRESENTATIVE DEMONSTRATE THAT ALL SYSTEMS AND ECUIPMENT ARE

- A OPERATING IN ACCORDANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- B. FREE FROM ALL ELECTRICAL AND MECHANICAL
- DEFECTS.
  FREE FROM SHORT CIRCUITS AND GROUNDS OTHER THAN INTENTIONAL GROUNDS.
- CONDUCT ALL OTHER AND ADDITIONAL TESTS THAT ARE REQUIRED BY AUTHORITES HAVING JURISDICTION OR ARE REQUESTED BY THE ARCHITECT.
- ALL COSTS INCURRED, INCLUDING REQUIRED INSTRUMENTS AND PERSONNEL FOR THE TESTS, SHALL BE PAID FOR BY THE CONTRACTOR.

## MECHANICAL SYSTEM (HVAC AND PLUMBING ELECTRICAL WORKS)

- ELECTRICAL CONTRACTOR SHALL REPER TO RECHANGAL CONTROL
  DUGGRAM SHOWN ON MECHANICAL DRAWNESS COORDANTE WITH
  VOLTAGE CONDUSTS AND WINNER AND ALL CONTROL
  SUCH AS TIMECLOOKS, RELAYS, CONTROLORS, ETC. AS REQUIRED
  BY MECHANICAL SECTION FOR COMPLETE HAVE STETEM INSTALLATION.
- ALL ELECTRICAL EQUIPMENT INSTALLED OUTSIDE AND EXPOSED TO WEATHER SHALL BE OF WEATHERPROOF TYPE.
- ALL FINAL CONNECTIONS TO MOTORS SHALL BE OF LIQUIDTIGHT FLEXBLE CONDUIT. INSTALLATION SHALL COMPLY WITH LATEST NEC. PROVISIONS FOR APPLICATION AND SHALL BE PER LOCAL ELECTRICAL INSPECTIORS SATISFACTION.
- ELECTRICAL CONTRACTOR SHALL VERIFY WITH MECHANICAL CONTRACTOR THE EXACT LOCATIONS AND ELECTRICAL RATINS OF ALL ACT UNITS PRIOR TO HOUGH-IN OF WORK AND ORDERING OF ELECTRICAL EQUIPMENT, REFER TO ACT UNITS WAREFLATE AND PROVIDE PROPER FLORS AND DISCONNECT SWITCHES.
- ELECTRICAL CONTRACTOR SHALL VERIFY WITH MECHANICAL CONTRACTOR THE EXACT LOCATION OF FEEDERS AND/OR BRANCH CRCUITS STUB-OUTS FOR ALL MECHANICAL EQUIPMENT.
- UNLESS OTHERWISE NOTED, ALL OVERCURRENT PROTECTION SHALL BE HACR TYPE C/B OR CLERENT LIMITING TIME DELAY FUSES PROPER FUSE OR HACR C/B RATINGS SHALL BE VERFED WITH EQUIPMENT MANUFACTURER.
- SZING OF MOTOR RELATED ELECTROAL COMPONENTS INCLUDING FEEDERS, RANCIO CROLIT WIES AND CONDUTS, OSPICIARRENT PROTECTIONS BERWERS & RUSSES INTICIS. OSPICIARRENT FEEDER OF THE STATE OF THE STATE OF THE PLANT STATE ELECTROAL DEWINNES SHALL BE VERYED WITH ELECTROAL TO STATE ELECTROAL AS STATE OF THE STATE OF THE PLANT STATE REVEED DATA TO ANDES ELECTROAL ENBAGER ACCORDING VI. ALL CHANGES SHALL BE WELL DOCUMENTED AND SHOWN ON THE ELECTROAL AS STATE TECOMES ELECTROAL CONTINUOTO SHALL BERTOAMED WITHOUT APPROVAL FROM THE ARCHITECTION SHALE OR OWNER.

#### SIGNAL & COMMUNICATION SYSTEM

WHERE INDICATED OR NOTED TO BE INTERCONNECTED TO THE EXISTING SIGNAL AND COMMINICATION SYSTEM, THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE AND OFFERHEE EXTENSION INCLUDING BUT NOT LIMITED TO EMERGENCY CALL, SECURITY, CLOCK SYSTEM ETC. ALL MATERIALS AND ECUPRIMENT SHALL MATCH EXISTING.

#### FIRE ALARM SYSTEM

#### GENERAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL WIST THE SITE AND MAKE A SURVEY OF EXISTING CONDITIONS WHICH MAY AFFECT OR BE AFFECTED BY THE WORK LUDGER THIS SECTION BEFORE SUBMITHING HIS DIR RETERENCES MADE ON THE DRIWNINGS TO SUSTING CONDITIONS SHALL BE SUBJECT TO VERHICATION BY THE CONTRACTOR IN HIS SURVEY AND IN THE PROPERSE OF THE WORK
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RELATIVE LOCATIONS OF FXISTING FOLIPMENT FEEDERS, BRANCH WIRING BASED ON HIS FIELD SURVEY OF EXISTING ONS AT THE JOB SITE INDEPENDENT OF THESE PLANS, AND SHALL INCLUDE
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL EQUIPMENT DEVICES, WHING MATERIALS, PERMISS, ALL CABLE EXTENSIONS AND ALL ACCESSORES INCESSAR OR REQUIRED TO COMPLETE THE ENTIRE ELECTRICAL INSTALLATION OF SAINSFACTORY FUNCTION AND OPERATION WHETHER SHOWN ON PLANS OR NOT AND SHALL INCLUDE ALL COSTS OF GIO IN THE BIO.
- INCLUDE ALL COST OF CORE DRILLING, CUITING, DRYWALL, PATCHING, REPARING, FRING, FRING, FRING, FRING, FRING, SAID, PATCHING SLAB, COORDINATE THESE TIENS WITH GENERAL CONTRACTOR SO NO DUPLICATION RESULTS. EXAMINE, COORDINATE AND SPECIFICALLY BE RESPONSIBLE FOR ALL INFORMATION
- RELATIVE TO THE ELECTRICAL INSTALLATION CONTAINED ON THE ARCHITECTURAL, MECHANICAL, FOOD SERVICE AND INTERIOR DESIGN DRAWINGS, AND THE PROJECT
- RELATIVE TO THE ELECTRICAL INSTITULATION CULTIMINED US IN TO THE PROJECT MECHANICAL POOR SERVICE AND INTERPORT DESCRIPTIONS, AND THE PROJECT SHALL CONFORM TO THE PROJECT SHALL CONFORM THE PROJECT SHALL CONFORM THE PROJECT SHALL SHALL COURSELVE SHALL SHALL
- ALL CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE RUN TO SUIT EXISTING CONDITIONS IN THE FIELD IN WORKMANLIKE MANNER. PROVIDE ALL PULL BOXES CODE SIZE AS REQUIRED TO RUN CIRCUITING IN SATISFACTORY
- REROUTE OR REESTABLISH FEEDER RUNS AND BRANCH CIRCUITS IN A SATISFACTORY MANNER WHICH MAY BE BROKEN BY THE INSTALLATION OR REMOVAL WORK SHOWN ON THE DRAWNING IN THE SPECIPICATIONS.
- MANTAIN GROUNDING CONTINUITY THROUGHOUT CONDUT SYSTEM IN AN APPROVED MANNER AND SIZE AS REQUIRED BY CODE PROVIDE GROUNDING AS SHOWN ON PLA AND FURTHER AS REQUIRED BY CODE INSTALL A NOW'R AWG GREEN GROUND WIFE ALL FLEXIBLE CONDUIT, PROVIDE BOYDING JUMPERS ON ALL RECEPTAGLES.
- IT IS THE INTENT OF THESE DRAWINGS THAT THIS BE A COMPLETE ELECTRICAL INSTALLATION ANY APPARENT ERRORS OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THIS ENGINEER AS SOON AS DISCOVERED.
- THESE PLANS SHALL ONLY BE USED IN CONSTRUCTION AFTER OBTAINING THE APPROVAL OF THE ELECTRICAL SECTION OF THE DEPARTMENT OF BULDING & SAFETY.
- ALL LIGHTING FIXTURES SHALL BE APPROVED AND LABELED BY UNDERWRITERS LABORATORIES AND/OR CITY OF LOS ANGELES TESTING LABORATORIES.
- 5. LIGHTING PIXTURES ARE SHOWN TO BE IN CONFORMITY WITH THE CEILING TILE PATTERN. HOWEVER THE ARCHITECTURAL AND INTERIOR DESIGNERS REFLECTED CEILING PLANS SHALL TAKE PRECEDEDICE OVER THESE LIGHTING PLANS FOR LIGHTING PIXTURE.
- 16. ALL RECEPTACLES SHOWN ON INDIVIDUAL 20 AMP CIRCUITS SHALL BE RATED 20 AMPS.
- VERIFY NEMA CONFIGURATION WITH OWNER AND EQUIPMENT SUPPLIER PRIOR TO PURCHASE OF MATERIALS. 18. NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT.
- ALL RECESSED CANS INSTALLED IN AREAS WHERE INSULATION IS REQUIRED, MUST BE OF THE IC. (ZERO CLEARANCE) TYPE. MOUNT THE FOLLOWING ABOVE FINISH FLOOR: OUTLETS = 15" TO 48"

# 

PROVIDE INDEX OF DRAWNIG SHEETS

----- EDIT/ CHANGE ------

LANDLORD APPROVAL STAMP & NOTES

LEAVE BLANK FOR APPROVAL STAMP/ COMMENTS

ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

**EDIT/ CHANGE** 

ARCHITECT/ DESIGNER/ FABRICATOR PROFESSIONAL SEAL (IF REQUIRED)

#### CONSULTANT:

CONSULTANT'S COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

## **EDIT/ CHANGE**

PROJECT NAME:

PROJECT/ TENANT'S NAME & LOGO

**EDIT/ CHANGE** 

SCHEMATIC DESIGN SUBMITTAL 27-27-2012 CONSTRUCTION DOCUMENTS SUBMITTAL ??-??-2012 Checked by: ???? Job Number: ????

Assessed by : ????

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GENERAL SPECIFICATION, GEN. NOTES AND DRAWING INDEX

ISSUE DATE: ??-??-2012 **EDIT/ CHANGE** SHEET E-1

78

#### SYMBOL & LEGEND ELECTRICAL NOTES SYMBOLS DESCRIPTION 1 CONTRACTOR SHALL APPLY FOR ALL PERMITS AND INSPECTION REQUIRED BY LEGAL AUTHORITIES. DUPLEX RECEPTACLE: 20A-125V, 2W GROUNDING TYPE, +15" AFF. U.O.N. ₽ ALL WORKS AND MATERIALS SHALL BE IN FULL COMPLIANCE WITH THE LATEST AND MOST STRINGENT APPLICABLE CODE OR REGULATION. DUPLEX RECEPTACLE 20A-125V, 2W GROUND FAULT CIRCUIT INTERPUPTER +15" AFF. U.O.N. ØHGFI CONTRACTOR SHALL BE SOLELY AND COMPLETELY PESPONSIBLE FOR ANY ADDITIONAL COSTS FOR MATERIAL OR LABOR TO COMPLY WITH THESE CODES OR REGULATIONS. GRI QUADPLEX RECEPTACLE 20A-129V, 2W GROUND FAULT INTERUPTION TYPE, +15" AFF. CONTRACTOR SHALL BE SCIELLY AND COMPLETELY RESPONSBLE FOR THE CONDITION OF THE PREMISES ON WHICH THE WORK IS REPETORING AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE CONTRACT. DUPLEX RECEPTACLE: 20A-125V, 2W + ISOLATED GROUND TYPE, +18" AFF. LION. ı₃₩ QUADPLEX RECEPTACLE: 20A-125V, 2W + ISOLATED GROUND TYPE, +15" AFF, U.O.N. ALL ELECTRICAL ECUPMENT AND MATERIALS SHALL BE LISTED, LABELED AND INSTALLED PER RECOGNIZED ELECTRICAL TESTING LABORATORY OR AGENCY. 6. 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. Ø NOTHING ON THIS DESIGN DRAWINGS SHALL BE DEEMED AS TO WOLATE THE LATEST AND MOST STRINGENT APPLICABLE CODES OR REGULATIONS. ANY ERROR, OMSSION OR DESIGN DISOREPANCY ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER FOR CLARIFICATION OR CORRECTION DURING BIDDING PROCESS. COMPUTER DATA OUTLET WITH 3/4" CONDUIT TO DATA LINE TERMINAL, +8" AFF. Δ COMBINATION TELEPHONE & DATA CUTLET, +15° AFF, U.O.N. WITH 3/4° CONDUIT TO DATA TERMINAL, AND TELEPHONE BACKBOARD. 11. ITEMS NDICATES ON THESE PLANS SHALL BE FLYRNSHED, INSTALLED AND CONNECTED WITH ALL RECURRED ACCESSORES AND PERSPERMAS SHEN F NOT INDICATED FOR A COMPLETE RIVETIONAL A OPERATION, SYSTEM, THE NORMATION GRENS NOT LAMBED TO SWOOT LICCATION AND POINT OF CONNECTION AND THE NUMBER OF CONNECTIONS, AND THE CONNECTIONS, AND THE COORDINATION WITH OTHER TREATMENT. TELEVISION OUTLET WITH 3/4" CONDUIT TO TELEVISION TERMINAL, +15" AFF. U.O.N. TOOSE SWITCH, TOWNESS, ELBEH MOUNT AT 149 OR AS NOTED SUBSCRIPT AT STARON, ROCATES THE FOLLOWING. 2 DOUBLE POLY K - REV 1 - MANUAL THE SWITCH D - DAMER! 3 - THREE WAY P - PLOT LIGHT OF ON - COCUPANCY SENSOR SWITCH 4 FOUR WAY 8, b, d, 4 PROTIESS CONTROLLES & QUANTITY OF SWITCHES 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 PVC WITH SCHEDULE 80 PVC BENDS AND STEEL RISERS ALL UNDERGROUND PVC CONDUITS SHALL CONTAIN A GROUND CONDUCTOR, AND SHALL BE SZED PER CODE REQUIREMENT. ⊠h DISCONNECT SWITCH WITH FUSED AS NOTED $\Box$ h DISCONNECT SWITCH, NON-FUSED ALL PANELS SHALL BE PANELBOARD WITH BOLT -ON TYPE CRICUIT BREAKERS, UNLESS NOTED AS LOAD CENTERS, WHICH ARE PLUG-IN TYPE BREAKERS. Ø MOTOR OUTLET 15. ALL FUSED DISCONNECTS SHALL BE FUSED PER NAMEPLATE UNLESS NOTED. MD: MAIN DISTRIBUTION PANEL CONTRACTOR SHALL SUBMIT CATALOG CUTS OF MAIN SMITCH BOARDS BEFORE PLACING ORDERS AND PURCHASE. ALL CONDUCTORS SHALL BE COPPER TYPE THW, THWN, XH-HW, TH-HN 600V INSULATION UNLESS OTHERWISE NOTED. PLYWOOD BACKBOARD FOR MAIN TELEPHONE TERMINATION CONDUIT RUN CONCEALED BELOW FLOOR OR GRADE WITH 1/2" CONDUIT-2#12 UNLESS OTHERWISE NOTED. 18. ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE 20. Flexible conduits shall be used for final connection to motors and other verating ediament, expansion couplings shall be used at bulding expansion joints. Icontractor to install public conduit where flexibility to ediament or load is required. Follow nec and bulding design critera for further requirements; 21 NON METALLIC BUSHINGS OR INSULATED METALLIC BUSHINGS SHALL BE PROVIDED FOR ALL CONDUIT TERMINATION. ### 22. ALL LIGHTING FIXTURES AS SPECIFIED ARE OR APPROVED EQUAL CATALOG CUTS OF SUBSTITUTIONS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL BEFORE CONSTRUCTION. CONDUIT PUN EXPOSED TELEPHONE CONDUIT 2" MINIMUM U.O.N. --CONDUIT STUB-UP 24. P.J.L. BOXES OR JUNCTION BOXES ARE REQUIRED TO BE MINIMUM TWELVE-(12) GALIGE GALVANZET STEEL, BOXES IN WALL SHALL BE GALVANZED PRESSED STEEL OR CAST METAL, CALLX AROUND BOXES TO ELIMINATE NOSE THANAISSISON PLASTER RINGS SHALL BE PROVIDED FOR ALL FLUSH MOUNTED BOXES, PLASTIC ELECTRICAL BOXES OF ANY KIND WILL NOT BE ALLOWED. CONDUIT STUB-DOM HOMERUN TO PANEL, HATCH MARKS INDICATE NUMBER OF #12 WIRES IN CODE SIZE CONDUITS U.O.N. ₩⊅ 25. If is the intention of the plans and specifications to cover all things required to make a complete and operative system contractor shall runner all labor materials, edupment, or miscellaneous service required to accomplish this result. 0 JUNCTION BOX 26. CONTRACTOR SHALL BD THE PROJECT AS INDICATED AND SPECIFED ON THE DRAWINGS WHEN SUSSTITUTING WATERALS OR EQUIPMENT OTHER THAN AS SPECIFED ON THE DRAWINGS, CONTRACTOR SHALL SUSMIT CATALOG CUTS AND AMOUNT OF CREDIT FOR SUSSTITUTION TO BIO, FOR APPROVAL. (T) ❷ METER ALL NOTES AND SCHEDULES LISTED ON DRAWINGS OF OTHER SECTIONS OF THIS PROJECT WITH REFERENCE TO ELECTRICAL CONTRACTOR OR ELECTRICAN APPLY TO THIS SECTION OF CONTRACT. 'MSB' MAIN SERVICE SWITCHBOARD MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION 28. ALL ELECTRICAL WORK NOTED ON AC AND PLUMBING DRAWINGS TO BE DONE UNDER THIS SECTION. CONDUIT ONLY WEATHER PROOF HORSE POWER U.O.N. UNLESS OTHERWISE NOTED E EXISTING SPECIFIC NOTES: SUBMIT 4 COPES OF MATERIAL LIST FOR APPROVAL WITHIN 36 DAYS OF AWARD OF THE CONTRACT. THE RIGHT IS RESERVED TO SUBMITTAL OF ANY SAMPLES OF FURNISHED MATERIAL, IF DEBMED INCESSARY BY THE OWNER. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY, DO NOT SCALE THE ELECTRICAL DRAWING FOR LOCATION OF ANY ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING TIENS OR FEATURES, REFER TO EACH RESPECTIVE DRAWINGS FOR EXACTNESS OF INFORMATION. 31 SUBSTITUTION OF ANY MATERIAL OR EQUIPMENT SHALL BE APPROVED BY ARCHITECT BEFORE INSTALLATION. BEFORE FINAL ACCEPTANCE OF WORK CONTRACTOR IS TO INSURE ALL EQUIPMENT, SYSTEMS ARE INSTALLED AND PLINCTIONING PROPERLY BY PERFORMING REQUIRED FIELD TESTS. IF ANY DISCREPANCY WILL OCCUR BETWEEN ELECTRICAL AND ARCHITECTURAL DRAWINGS, THEN THE ARCHITECTURAL WILL GOVERN. 33. EXTEND MIN 2" TELEPHONE CONDUIT TO TELEPHONE BACKBOARD UNLESS NOTED OTHERWISE. ALL WORK SHALL BE PER LATEST CALIFORNIA BULLDING FIRE AND ELECTRICAL CODE ALONG WITH ALL APPLICABLE LOCAL AND STATE LAWS AND REGULATIONS. 34 THEO PARTY CERTIFICATION: ALL PACKAGED EQUIPMENT SHALL BE INDEPENDENTLY THRO PARTY LABELED AS A SYSTEM FOR ITS INTENDED USE BY A INTONAL RECOGNIZED TESTING LABORATION PRITLIN IN ACCORDANCE WITH ONE PEEPEAR, REQLAINONS 2007-REPENDED AND 309, AS WELL AS INPA PAMPHLET ATE, INITIONAL ELECTRIC CODE DECL ARTICLE 90-7. 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 FOR ICCC. 10260. 35. AS PER NEC, APPROPRIATE CONDUIT AND WIRE TYPE SHALL BE USED FOR WET LOCATIONS, HAZARDOUS LOCATIONS, CORROSIVE ENVIRONMENT OR SIMILAR SPECIAL CONDITIONS ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE LANDLORD'S "DESIGN CRITERIA MANUAL". 39. ALL WRING OF ANY MUST BE INSTALLED IN CONDUIT OR MUST BE ARMORED CABLE (BX). ARMORED CABLE WILL ONLY BE ALLOWED ON CONCEALED BRANCH CIRCUIT WRING WITHIN THE DEMISED PROMISES ENDOSED AND/OR OFFON WRING OF ANY KIND WILL NOT BE ALLOWED.

41. A NEUTRAL FAULT TEST IS REQUIRED PRIOR TO ENERGIZING CIRCUITS.

ALL CONTRACTORS SHALL OBTAIN A COPY FROM THE LANDLORD'S TENANT COORDINATOR OR OPERATIONS MANAGER AND BECOME FAMILIAR WITH THE REQUIREMENTS CONTAINED WITHIN PROR TO BODING THE JOB.

WHERE LANDLORDS REQUIREMENTS CONFLICT WITH CODES OR ORDINANCES, THE STRICTEST INTERPRETATION SHALL APPLY.

APPROVAL STAMP/ COMMENTS

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**EDIT/ CHANGE** 

# PROVIDE ELECTRICAL SINGLE LINE DIAGRAM & NOTES

**EDIT/ CHANGE** 

#### SINGLE LINE DIAGRAM & ELECTRICAL WIRING NOTES

- ALL EQUIPMENT NEW & EXISTING SHALL BE RATED AT MIN. AC RATING OF UTILITY CO.
- 2. CONTRACTOR TO RELD 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, LABELLED AND INSTALLED AS PER A RECOGNIZED ELECTRICAL TESTING AGENCY.
- NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.
- 8. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND VERRY THE EXSTING ELECTRICAL AND BUILDING CONDITIONS PRIOR TO HIS BID. ANY DISCREPANCY BETWEEN THE PLANS AND FIELD CONDITION SHALL BE REPORTED TO ARCHITECT.
- 9. PROVIDE PERMANENT ENGRAVED LABEL FOR UNIT METER
- 10. FUSE SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDER.
- 11. THE ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE PROVISION OF THE 2010 CEC, ALL WORKS TO COMPLY LATEST CALFORNA BUILDING CODES AND REQUIRED LOCAL OR CITY CODES.
- 12. MILTIWIFE CIRCUITS SHALL COMPLY WITH 20AB AND INCORPORATE POLE TIES INTO PAREL SCHEDULES (SINGLE POLE BREAMERS SHOWN WITHOUT TIESS TEACH MILTIWINE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SMALLTANEOUSLY DISCONNECT ALL UNSPROUNCED CONDUCTORS AT THE FORM WHERE THE BRANCH ORCUIT ORGINATES!

- 1 ALL OVERCURRENT DEVICE ENCLOSURES WILL BE IDENTIFIED AS SERIES RATED AND LABELED IN ACCORDANCE WITH NEC 1999(110-22).
- THE OVERCURRENT DEVICES SHALL BE AIC RATED PER MANUFACTURERS LABELING OF THE ELECTRICAL EQUIPMENT.
- CONTRACTOR TO PROVIDE SERIES RATED CIRCUIT BREAKERS & FUSES TO MATCH EXISTING.

KEYNOTES:

#### PROVIDE SINGLE LINE DIAGRA KEYNOTES

THE ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE PROVISION OF THE 2010 CALIFORNIA ELECTRICAL CODE. ALL WORKS TO COMPLY LATEST CALFORNIA BUILDING CODES AND REQUIRED LOCAL OR CITY CODES.

- WHERE A GROUND WIRE IS NOT SPECIFIED, CONDUIT AND IT'S CONNECTOR SHALL BE UL. APPROVED FOR USE AS GROUNDING CONDUCTORS.
- 2. 2008 NATIONAL ELECTRICAL CODE AND 2010 CALIFORNIA AMENDMENTS
- 3. ALL DESIGN AND PLANS BASED ON THE 2010 CEC AND 2008 CALIFORNIA ENERGY EFFICIENCY

VOLTAGE DROP CALCULATION: AT PANEL "???"

**EDIT/ CHANGE** 

## **EDIT/ CHANGE**

#### GROUNDING AND BONDING NOTES:

- PROVIDE GROUNDING CONDUCTOR FOR FLEXIBLE METAL CONDUIT. SUPPLIED BY OVER 20 AMPR.
- GROUNDING CONDUCTORS SMALLER THAN No. 6 SHALL BE IN RIGID METAL CONDUIT, INTERNEDIATE METAL CONDUIT, RIGID NONMETALLIC CONDUIT, ELECTRICAL METALLIC TUBING OR CABLE ARMOR

- 1 2010 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.

PROVIDE VOLTAGE DROP CALCULATIONS

PROVIDE LABEL ON SWITCHBOARD TO READ PROVIDE LABEL ON SWITCHBOARD TO READ

"CAUTION-SERIES RATED SYSTEM 22 KAC AVAILABLE. DENTIFIED REPLACEMENT
COMPONENT RECUIRED, ALL CIPCUIT BREAKERS MUST BE SERIES RATED
FOR USE INTENDED. ALL FUTURE PANELS MUST COMPLY TO THIS SERIES ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS



ARCHITECT/ DESIGNER/ FABRICATOR PROFESSIONAL SEAL (IF REQUIRED)

#### CONSULTANT:

CONSULTANT'S COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

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PROJECT NAME:

PROJECT/ TENANT'S NAME & LOGO

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# NO DESCRIPTION SCHEMATIC DESIGN SUBMITTAL 77-77-2012 CONSTRUCTION DOCUMENTS 27-27-2012 Checked by: ???? Job Number: ???? All rights reserved. © Copyright 2012 by COMPANY NAME

ELECTRICAL SPECS, SINGLE LINE DIAGRAM AND SYMBOLS

SCALE: NOT TO SCALE 188UE DATE: ??-??-2012

**EDIT/ CHANGE** SHEET E-2

# **EDIT/ CHANGE**

ELECTRICAL LIGHTING PLAN SCALE: 147 = 147

# PROVIDE ELECTRICAL LIGHTING PLAN(S)

ELECTRICAL LIGHTING PLAN (REMOTE STORAGE) SCALE: 14F = 1-07

# **EDIT/ CHANGE**

ELECTRICAL POWER PLAN

# PROVIDE ELECTRICAL POWER PLAN(S)

ELECTRICAL POWER PLAN (REMOTE STORAGE)

# **EDIT/ CHANGE**

KEYNOTE LEGEND:

PROVIDE KEYNOTES &
REFERENCE NOTES &
FOOD SERVICE EQUIP.
SCHEDULE (IF APPLICABLE)

REFERENCE NOTES:

FOODSERVICE EQUIPMENT SCHEDULE

terr	No.	Qty	Description	Manufacturer	Model No.	AMP	v	PH	NEMA	Shub
П										
_						_				
_						_				
								l		

NOTE

NO PPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL FOLIPMENT.

To All Contractor

To All Contractors:

contactors (pured contactor as well as all ab-contactors) bitting and assented to content it this object we respective for verifying all explanar trained and supplies and visited and it else that the laptomer LMI you, waite, ease, not electrical, building morterical systems cut connections, exhaust presentions, security in feature, daily private colorection must be welfed before beddying. This includes conditionable with other trainer the contractors and be responsible for reading the explanar conditions took as your of the contractors and be responsible for reading the explanar and production tooks are your of the contractors and contraction. The exponent with include all applicants

All utility connections and their locations must include all equipment as required by the utility company as well as local codes or the shopping center/Mail requirements. Contractor to verify all requirements before but. The most stringent requirement shall apply even if not detailed.

or contractors are responsible for requesting verification of all CANNER requirements as well as any verification of the contractor shall be contractor shall be religiously and issue all electing systems for contractor to verify the placement of new equipment are evaluable. All equipment furnities of contractors are contractors and as purchased by the contractor match be accompanied with all submittable process of Engineering approach. The contractor shall follow all installations per local and State Codes. Any field remotion must be open offermed by the contractor shall sold by the owners.

The contribution are responsible for requesting supporters cut arised and if the eutperment furthered collected from the cut affects, the contribution of such the installation country. All contribution of such desirabilities contributed from the cut and the cut of the cut of

All existing installations & connections done by others are not part of the acope of this project. If the installation, connections, materials & equipment are not to code or are unside, the owner of the bulleng shall be contacted and all correctors to eleiting work shall be done under expertate contract. Engineer is not rescondable for any eleiting conditions or work previously done by others.

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ARCHITECT/ DESIGNER/ FABRICATOR COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

EDIT/ CHANGE



ARCHITECT/ DESIGNER/ FABRICATOR PROFESSIONAL SEAL (IF REQUIRED)

CONSULTA

CONSULTANT'S COMPANY NAME & LOGO

COMPANY ADDRESS

COMPANY TEL & FAX NUMBERS

EDIT/ CHANGE

PROJECT NAME:

PROJECT/ TENANT'S NAME & LOGO

EDIT/ CHANGE

REVISIONS:

ALL DESCRIPTION

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CONSTRUCTION DOCUMENTS

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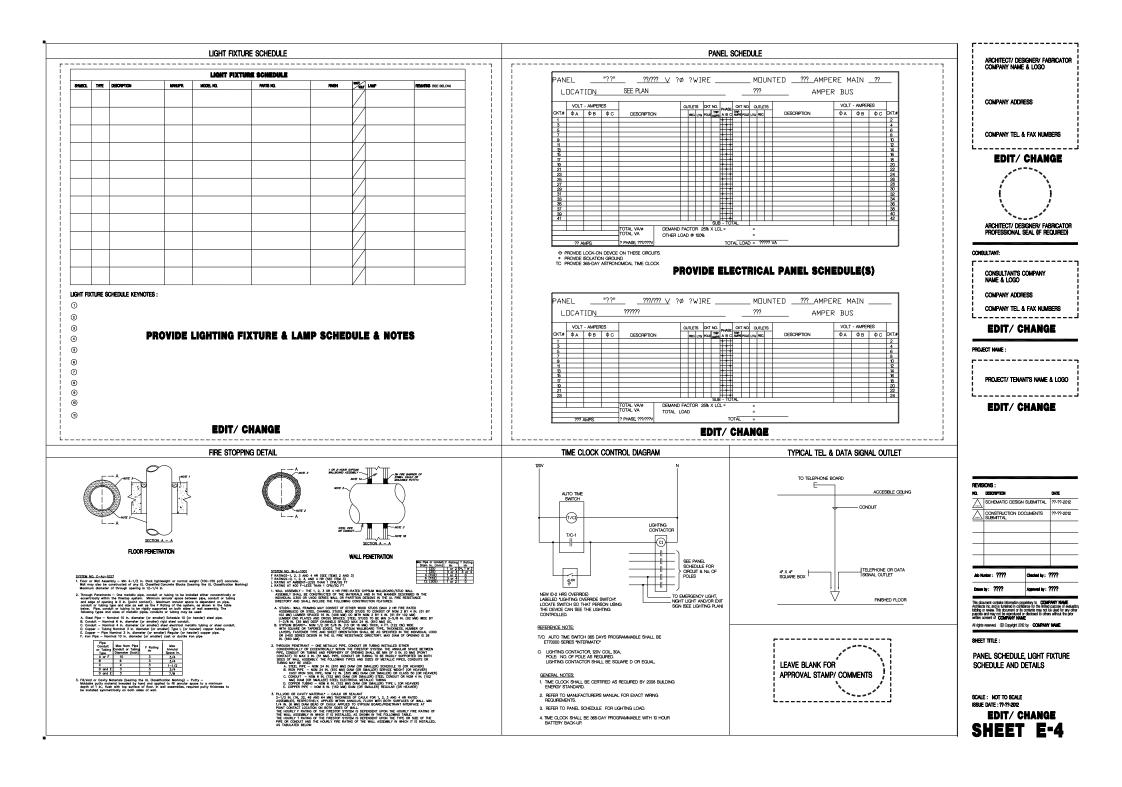
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SHEET TITLE :

ELECTRICAL POWER AND LIGHTING PLAN

SCALE: 147 - 1-07
ISSUE DATE: 77-77-2012
EDIT/ CHANGE
SHEET E-3



PROVIDE APPLIC	ABLE TITLE 24 ENERGY COMPLIA	ANCE CALCULATION & CERTIFIC	ATION FORMS
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PROJECT NAME:

PROJECT/ TENANT'S NAME & LOGO

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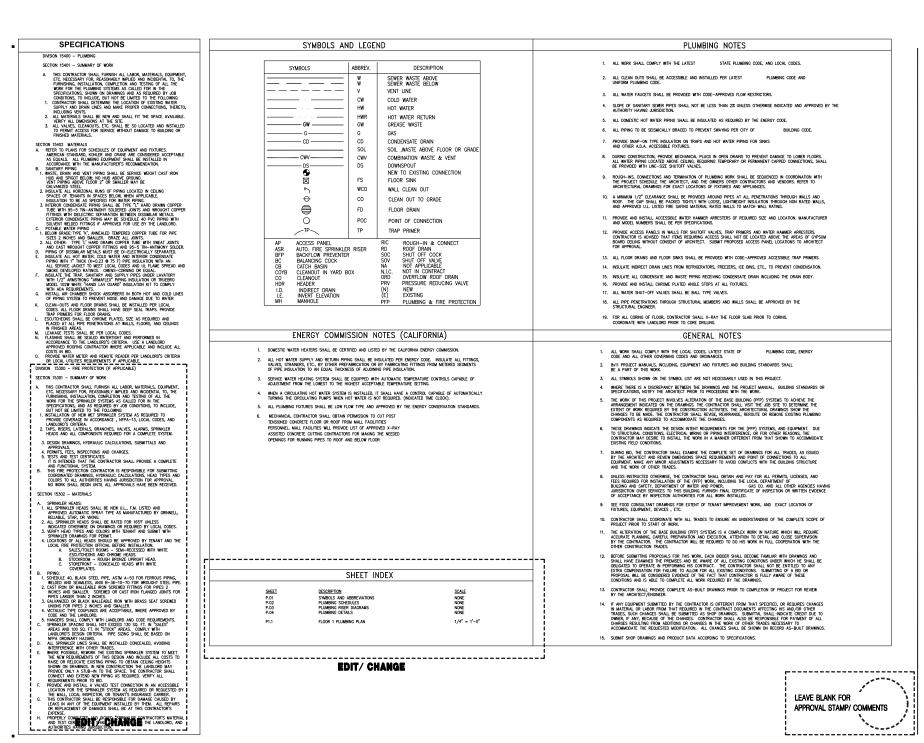
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SHEET TITLE :

TITLE 24 COMPLIANCE FORMS

SCALE: NOT TO SCALE
ISSUE DATE: 77-77-2002

EDIT/ CHANGE
SHEET E-5



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# **SPECIFICATIONS** & GENERAL NOTES

ISSUE DATE: 77-77-2012 **EDIT/ CHANGE** SHEET P-1

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NOTES	NSTALL		GAS	WASTE		VENT	COLD WATER	HOT WATER	MANUFACTURE	MODEL #	EQUIPMENT	NO
		K BTU	SIZE	TYPE	SIZE	SIZE	SIZE	SIZE				
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PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"			
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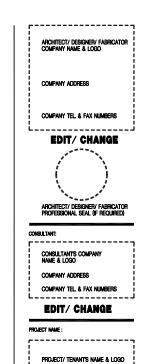
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WASTE &	WATE	R FIX	TURE	UNITS	3		
	WASTE		COLD WATER		HOT WATER		
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PROV	IDE V	VAST	E & \	WAT	ER		
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TOTAL					GPM		GPM
							0. 11

PIPE I	MATERIAL	SCHEDULE	
SERVICE	PIPE	FITTINGS	LOCATION
WASTE & VENT	CAST IRON NO HUB	CAST IRON NO HUB	ABOVE GRADE BELOW GRADE
STORM DRAIN	CAST IRON NO HUB	CAST IRON NO HUB	ABOVE GRADE BELOW GRADE
HOT AND COLD WATER	COPPER TYPE "L" HARD DRAWN	WROUGHT COPPER	ABOVE GRADE
COLD WATER	COPPER TYPE "L" HARD DRAWN	WROUGHT COPPER	BELOW GRADE
INDIRECT WASTE CONDENSATE DRAIN	COPPER TYPE "M" HARD DRAWN	WROUGHT COOPER	ABOVE GRADE
GAS	BLACK STEEL SCHEDULE 40	BLACK STEEL MALLEABLE IRON	ABOVE GRADE

NOTE: ABS OR PVC DWV MAY BE USED FOR WASTE AND VENT PIPING IF APPROVED BY LOCAL BLDG. DEPT & MALL MGT.





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EDIT/ CHANGE
SHEET P-2

PLUMBING SCHEDULES

**PROVIDE WATER CALCULATIONS EDIT/ CHANGE** GROUND FLOOR LEVEL **EDIT/ CHANGE**  CHANGE 2" VENT HEADER TO 2 1/2" IF HORIZONTAL LENGTH EXCEEDS 40' TO MALL VENT. CPC TABLE 7-5 FOOTNOTE. **EDIT/ CHANGE** 1-1/4"(250 CFH) #36 #36 GROUND FLOOR GAS RISER DIAGRAM
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RISER DIAGRAM

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# PROVIDE COLD WATER & **HOT WATER PLUMBING PLAN**

# PROVIDE WASTE/ VENT **PLUMBING PLAN**

**EDIT/ CHANGE** 

CW & HW PLUMBING PLAN

SCALE: ???? = 1'-0"

**EDIT/ CHANGE** 

WASTE / VENT PLUMBING PLAN

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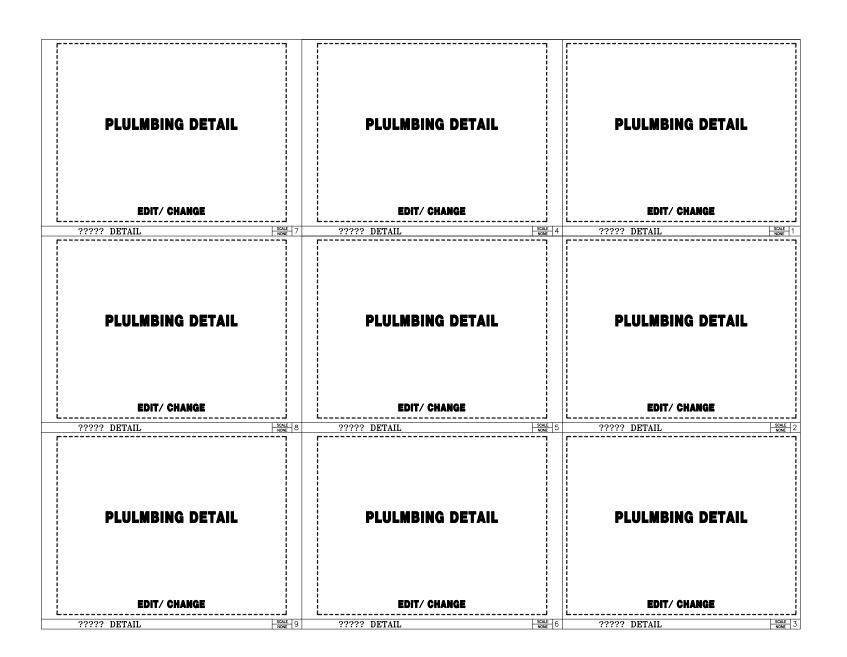
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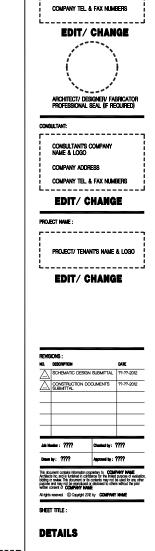
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#### WASTE/VENT PLAN CW/HW PLAN

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