

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK
CITY OF PORTLAND

Please Read
 Application And
 Notes, If Any,
 Attached

BU **PERMIT** ION

Permit Number: 081401

This is to certify that NEPTUNE PROPERTIES INC A & M P you Wood
 has permission to interior renovatins, new mens Womens throom, new paint flooring

AT 1025 FOREST AVE 142 C001001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notificaton of inspection must be given and written permission procured before this building or part thereof is lath or other used-in. 2 HO NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. Craig Cass

Health Dept. _____

Appeal Board _____

Other _____

Department Name

Janet Bank
 Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

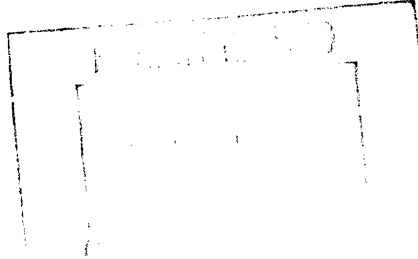
389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 08-1401	Issue Date:	CBL: 142 C001001
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Location of Construction: 1025 FOREST AVE (1037 Rev)	Owner Name: NEPTUNE PROPERTIES INC	Owner Address: 120 EXCHANGE ST	Phone:
Business Name:	Contractor Name: A & M Partners / Lou Wood	Contractor Address: 120 Exchange Street Portland	Phone 2074506128
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone: B2/IL

Past Use: Commercial <i>Daltle</i>	Proposed Use: Commercial - interior renovations, new mens & Womens bathrooms, new paint flooring <i>office & warehouse</i>	Permit Fee: \$240.00	Cost of Work: \$21,500.00	CEO District: 4
Proposed Project Description: interior renovations, new mens & Womens bathrooms, new paint flooring		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>See Conditions</i>	INSPECTION: Use Group: B/S2 Type: 3B <i>IBC-2003</i>	
		Signature: <i>Craig Cross</i>	Signature:	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
Signature: _____ Date: _____				

Permit Taken By: Idobson	Date Applied For: 10/31/2008	Zoning Approval
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</p>	<p>Special Zone or Reviews</p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> <i>Ok w/ condition</i> Date: 10/31/08 <i>ASM</i>	<p>Zoning Appeal</p> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	<p>Historic Preservation</p> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied <i>ASM</i> Date: _____
			

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 08-1401	Date Applied For: 10/31/2008	CBL: 142 C001001
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Location of Construction: 1025 FOREST AVE (1037 Forest R	Owner Name: NEPTUNE PROPERTIES INC	Owner Address: 120 EXCHANGE ST	Phone:
Business Name:	Contractor Name: A & M Partners / Lou Wood	Contractor Address: 120 Exchange Street Portland	Phone (207) 450-6128
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	

Proposed Use: Commercial -Daltile Sales Center/Warehouse - interior renovations, new mens & Womens bathrooms, new paint, flooring	Proposed Project Description: interior renovations, new mens & Womens bathrooms, new paint, flooring
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Ann Machado **Approval Date:** 10/31/2008

Note: **Ok to Issue:**

- 1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 11/21/2008

Note: **Ok to Issue:**

- 1) All penetrations through rated assemblies must be protected by an approved firestop system installed in accordance with ASTM 814 or UL 1479, per IBC 2003 Section 712.
- 2) Separate permits are required for any electrical, plumbing, HVAC or exhaust systems. Separate plans may need to be submitted for approval as a part of this process.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Greg Cass **Approval Date:** 11/04/2008

Note: **Ok to Issue:**

- 1) Fire extinguishers required. Installation per NFPA 10
- 2) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance. Compliance letters are required.
- 3) Installation of a Fire Alarm system requires a Knox Box to be installed per city ordinance

Comments:

11/21/2008-jmb: Left msg for Lou W for clarification on warehouse area, separating wall type and height, is Daltile occupying now. Lou called back, Daltile is the current tenant, the warehouse is 10,000 sf and the bathroom walls will be built with wood 2x and 5/8 sheetrock with ceilings with 5/8, the building is sprinklered. The existing separating wall between the warehouse and offices is steel stud to the deck.



General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>1037 Forest Ave (Rear.) Portland, Me</u>		
Total Square Footage of Proposed Structure/Area <u>Interior Renovations 2,000 SF</u>	Square Footage of Lot <u>N/A</u>	Number of Stories <u>1</u>
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u> 142-C-1</u>	Applicant "must be owner, Lessee or Buyer" Name <u>1037 PARTNERS, INC.</u> Address <u>120 Exchange St.</u> City, State & Zip <u>Portland, Me 04101</u>	Telephone: <u>207-450-6128</u>
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name <u>Same</u> Address City, State & Zip	Cost Of Work: \$ <u>21,500⁵⁰⁰ / 700</u> C of O Fee: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family) <u>Office/warehouse</u> Number of Residential Units _____ If vacant, what was the previous use? <u>same</u> Proposed Specific use: <u>office/warehouse</u> Is property part of a subdivision? <u>No</u> If yes, please name _____ Project description: <u>Interior Renovations, New Mens + Womens Bathrooms, New Paint Flooring. See Attached Plans</u>		
Contractor's name: <u>Same as owner</u>		
Address: _____		
City, State & Zip _____		Telephone: <u>874-6959</u>
Who should we contact when the permit is ready: <u>Tom Wood</u>		Telephone: <u>450-6128</u>
Mailing address: <u>120 Exchange St. Port. Me</u>		

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: Tom Wood Date: 11/30/08

This is not a permit; you may not commence ANY work until the permit is issued

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling

Final inspection required at completion of work.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

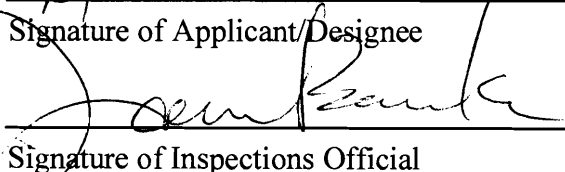
If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.



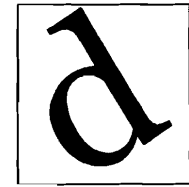
Signature of Applicant/Designee

11/21/08
Date



Signature of Inspections Official

11/21/08
Date



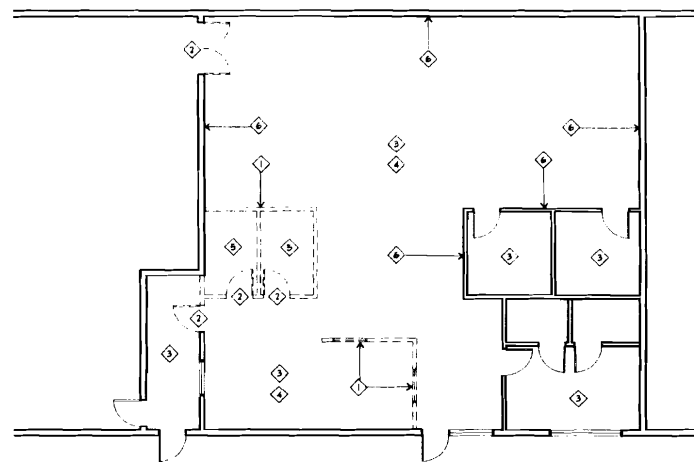
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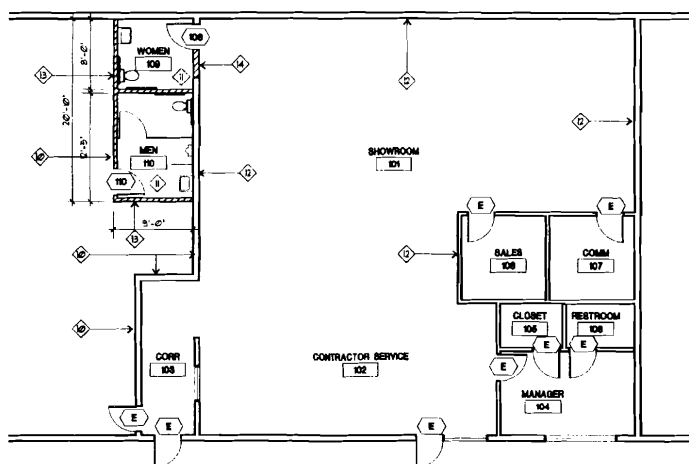
ISSUE LOG

DESCRIPTION	DATE
FOR REVIEW	08.12.08
FOR PRICING	08.18.08



02 DEMOLITION PLAN

1/8" = 1'-0"



01 CONSTRUCTION PLAN

1/8" = 1'-0"



HVAC NOTES

- WALL AND ROOF THERMAL AIR INFILTRATION.
 - CEILING AREAS ABOVE CUSTOMER SERVICE OFFICE AND SHOWROOM AREAS WITH 6" FIBERGLASS BATTS FOR A-19.
 - EXTERIOR WALLS TO BE BLDG STD.
 - ROOF TO BE BLDG STD.
 - SPRINKLER SYSTEM TO ACCOMMODATE CLAY TILE, GENERALLY RATED AS CLASS 2 COMMODITY IN BOXES ON PALLETS. A HEIGHT AND CONFIGURATION AS SHOWN ON THESE DRAWINGS IF REQUIRED BY CODE.
- OFFICE AND SHOWROOM AREA TO BE HEATED AND AIR CONDITIONED.
HEATING IN WAREHOUSE TO BE OMITTED IN AREAS OF THE COUNTRY WHERE YEAR ROUND OUTDOOR TEMPERATURES PRECLUDE NEED FOR HEATING SYSTEMS. THE SYSTEM IS TO BE DESIGNED AS FOLLOWS.
 - HEATING - INSIDE DRY BULB TEMPERATURE 65°F - OUTSIDE DRY BULB TEMPERATURE 0°F.
 - COOLING - INSIDE 75°F (EFFECTIVE TEMP.), AS DEFINED BY ASHRAE COMFORT STD. 55-56 OUTSIDE 93°F DRY BULB TYP. IF MET.
 - WAREHOUSE HEATING - DESIGNED TO MAINTAIN INSIDE DRY WET BULB TEMPERATURE 55°F. OUTSIDE DRY BULB TYP. WET BULB 0°F. (OMITTED IN AREAS WHERE YEAR ROUND OUTDOOR TEMPERATURES PRECLUDE NEED FOR HEATING SYSTEMS).

DEMOLITION NOTES

- ⬠ REMOVE EXISTING WALLS
- ⬠ REMOVE EXISTING DOOR AND FRAME
- ⬠ REMOVE EXISTING FLOORING THROUGHOUT SPACE. PREP TO RECEIVE NEW FLOOR TILE
- ⬠ REMOVE EXISTING CEILING IN SHOWROOM TO INSTALL NEW CEILING - 2'-0" AFF. - REFER REFLECTED CEILING PLAN SHEET A6
- ⬠ REMOVE EXISTING PLUMBING FIXTURES, CAP PLUMBING AS REQ'D
- ⬠ DEMO GYP. BD ON EXISTING WALLS IN SHOWROOM.

CONSTRUCTION KEYNOTES

- ⬠ PAINT PERIMETER OF WAREHOUSE SIDE OF OFFICE AREA/WAREHOUSE DEMING WALL P-1. REFER FINISH SCHEDULE A1
- ⬠ REFER TO ENLARGED RESTROOM PLAN/AS.
- ⬠ ALL WALLS IN SHOWROOM TO RECEIVE CONTINUOUS 7/8" GAUGE SHEET METAL BEHIND 3/8" GYP. BD. FOR WALL DISPLAY SUPPORT - REFER A6
- ⬠ NEW RESTROOM WALL CONSTRUCTION TO MATCH EXISTING OFFICE/WAREHOUSE REPERATION WALL. INSULATE RESTROOM WALLS.
- ⬠ EXTEND EXISTING WALL TO ACCOMMODATE NEW 3'-0" X 7'-0" DOOR.

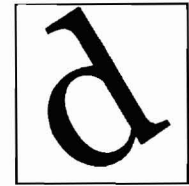
GRAPHIC SYMBOLS STANDARD - ALL MAY NOT BE USED.

- XXXX ROOM NAME / NUMBER
- XXXX NEW DOOR NUMBER
- (E) DENOTES EXISTING DOOR TO REMAIN
- (X) WALL TYPE ALL WALLS TO BE TYPE I UNLESS NOTED OTHERWISE
- XXXX ELEVATION
- XXXX SECTION
- ▲ REVISION REFERENCE
- ===== EXISTING WALLS TO REMAIN
- ////// NEW PARTITIONS
- DEMOLITION

JOB #: 291-0808
DATE: 08.08.08
SCALE:

SHEET NO.

A2



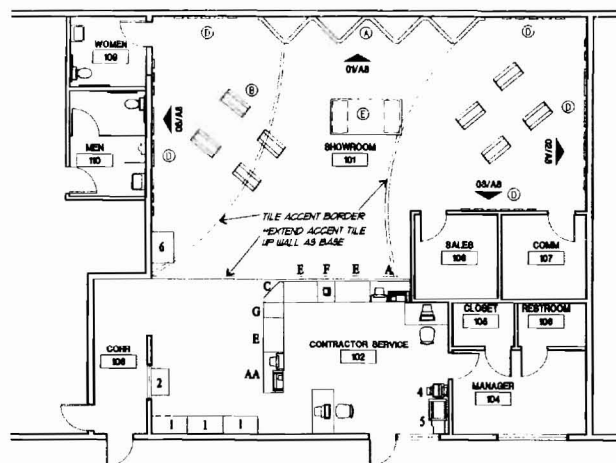
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01 PRODUCT DISPLAY/FIXTURE PLAN

1/8" = 1'-0"



LEGEND

STANDARD - ALL MAY NOT BE USED

SHOWROOM DISPLAY UNITS

REFER TO SHEET A0 FOR DETAILS

- ① Z-WALL
- ② SILHOUETTE DISPLAY
- ③ SLANTED WALL DISPLAY
- ④ WALL TILE DISPLAY
- ⑤ WORK TABLE

SALES COUNTER COMPONENTS

- A COMPUTER MODULE
- AA COMPUTER MODULE
- E FILE MODULE
- F SAFE MODULE
- G LITERATURE MODULE
- J STORAGE MODULE
- K COMPUTER MODULE

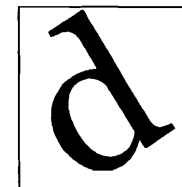
CONTRACTOR SERVICE COMPONENTS

- 1 48" MERCHANDISER
- 2 36" PROMO UNIT
- 3 CUSTOMER SERVICE POD
- 4 FAX MACHINE
- 5 COPIER
- 6 COFFEE BAR INSERT
- 7 SHIPPING DESK

JOB #: 291-0808
DATE: 08.08.08
SCALE:

SHEET NO.

A3



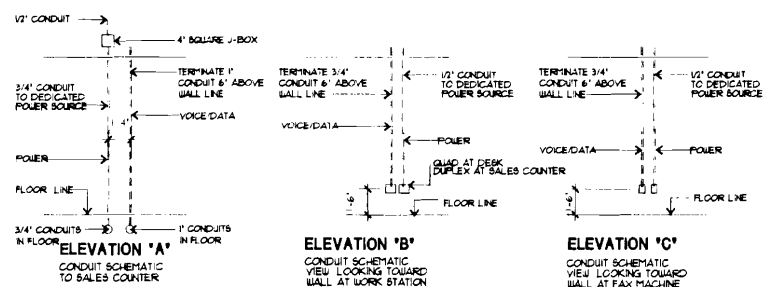
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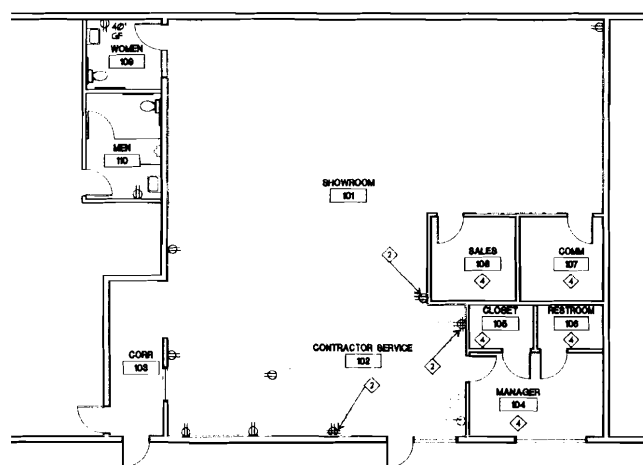
ISSUE LOG

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02 CONDUIT ELEVATIONS

1/4" = 1'-0"



01 POWER PLAN

1/8" = 1'-0"



PLAN NORTH

ELECTRICAL KEYNOTES

- ◇ REFER TO CONDUIT ELEVATION A - 02/04
- ◇ REFER TO CONDUIT ELEVATION B - 02/04
- ◇ REFER TO CONDUIT ELEVATION C - 02/04
- ◇ EXISTING ELECTRICAL TO REMAIN AS IS

ELECTRICAL SYMBOLS

- ⊕ DUPLEX RECEPTACLE # 18' AFF.
- ⊕ QUADPLEX RECEPTACLE # 18' AFF. / 24' AFF. # SHIPPING STATION
- ⊕ DUPLEX RECEPTACLE GROUND FAULT # 42' AFF.
- ⊕ L5-30 DEDICATED OUTLET FOR PHONE SYSTEM
- ⊕ 20 AMP 120 VOLT CIRCUIT AT DOCK LEVELERS
- ⊕ ELECTRICAL PANEL

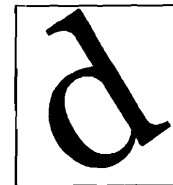
GENERAL NOTES

1. ALL DEVICES SUCH AS RECEPTACLES, SWITCHES, PLATES, ETC., IN SHOWROOM, CONTRACTOR SERVICE AREA, MANAGER'S OFFICE, TOILET ROOMS AND UTILITY ROOM TO BE FINISH COLOR - IVORY
2. ELECTRICAL DISTRIBUTION PANEL TO BE LOCATED IN WAREHOUSE AREA. POSITION TO AVOID INTERFERENCE WITH PROPOSED STORAGE LAYOUT.
3. FOR P.A. HORN SYSTEM, ELECTRICAL CONTRACTOR TO PROVIDE A 1" CONDUIT NETWORK WITH FILL WIRES IF REQUIRED BY LOCAL CODES AND ORDINANCES. CONDUIT RUN TO TERMINATE IN COMMUNICATIONS ROOM.
4. DEDICATED 120 VOLT CIRCUITS - NON-SWITCH OPERATED DUPLEX 120 VOLT OUTLETS ON A DEDICATED CIRCUIT FOR COMPUTER, CONTROLLER, MODEM CHANNEL. INTERFACE COMPONENTS TO BE PROVIDED AT COUNTER LOCATION AS SPECIFIED. COUNTER LOCATION WHERE SPECIFIED.

JOB #: 291-0808
DATE: 08.08.08
SCALE:

SHEET NO.

A4



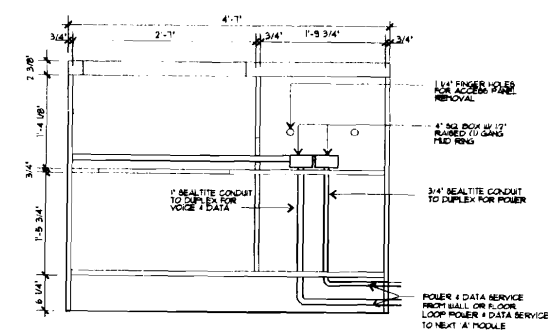
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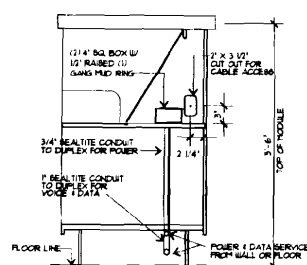
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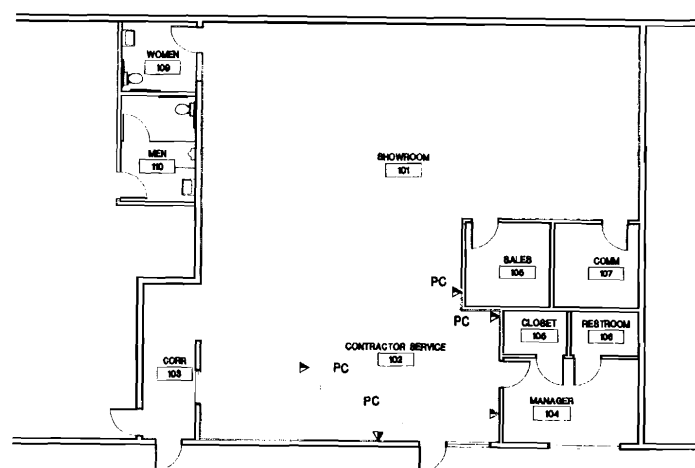
03 MODULE A ELEVATION

1" = 1'-0"



02 MODULE A SECTION

1" = 1'-0"



01 VOICE & DATA PLAN

1/8" = 1'-0"



PLAN NORTH

VOICE / DATA SYMBOLS

STANDARD - ALL MAY NOT BE USED

◇ EPISON FX5000 PRINTER	
◇ PC PORTAL	
◇ PC PRINTER	
◇ FAX	
◇ COPIER	
◇ CREDIT CARD READER	
◇ LEXMARK PRINTER (BOL)	
◇ PA HORN	
◇ TELEPHONE OUTLET • 18\"/>	
◇ TELEPHONE OUTLET • 54\"/>	
◇ PHONE/DATA	
◇ PHONE BOARD	
◇ FINISH FLOOR PHONE/DATA	

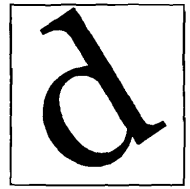
VOICE / DATA NOTES

1. SEE PLAN 1/AS FOR DATA AND VOICE CABLING. ALL DATA & VOICE CABLING BY OTHERS.
2. REFER TO 02/AS TELEPHONE BOARD.
3. REFER TO MODULE A' ELEVATION AND SECTION - 3/AS & 4/AS.
4. PROVIDE 1 1/4\"/>
5. PROVIDE 2\"/>

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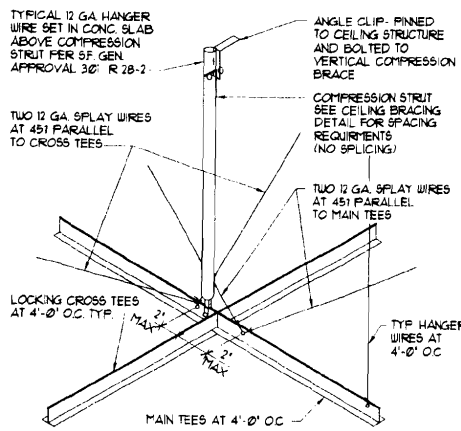
A5



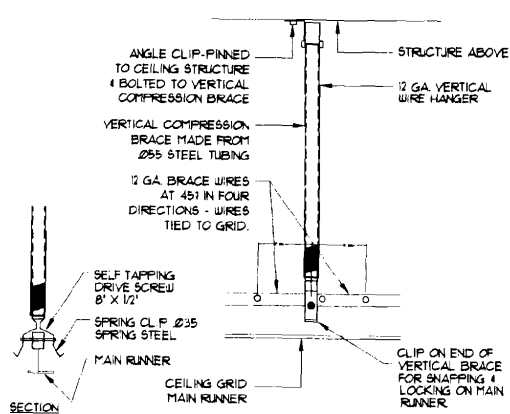
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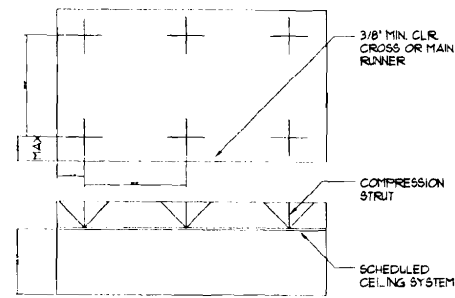
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2 COMPRESSION STRUT DETAIL
SCALE: 3" = 1'-0"
Ce. 002



3 COMPRESSION STRUT DETAIL
SCALE: 3" = 1'-0"
Ce. 003



4 SEISMIC BRACING DETAIL
SCALE: N.T.S.
Ce. 004

NOTES:
1. TIE ADJACENT WALLS TO CEILING MAIN AND CROSS RUNNER.
2. INSTALL CEILING GRID USING NO. 12 GA. SPLAY WIRE HANGERS AT 45.90° DEGREES TO EACH OTHER (4 WIRES) BEGINNING 4'-0" FROM STARTING POINT OF GRID AND TILE LAYOUT AND IN BOTH DIRECTIONS AT 12'-0" THEREAFTER.

5

ISSUE LOG

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LIGHTING NOTES

1. FIXTURES TO BE INSTALLED IN ACCORDANCE WITH REFLECTED CEILING PLAN (MIN. 25 FOOT CANDLES) MOUNT FIXTURES FOR MAX. CLEAR SPACE.
2. FINISH TO BE COORDINATED WITH CEILING TILE AND GRID SYSTEM. WHITE FLUORESCENT FIXTURES TO BE 2' X 4' (4) LAMP FIXTURE WITH PRISMATIC ACRYLIC LENSE. ELECTRONIC BALLAST W/ 10 LAMPS.

KEY NOTES

- ◇ NEW CEILING GRID, TILE AND LIGHT FIXTURES @ 12'-0" AFF
- ◇ EXISTING CEILING & LIGHTING TO REMAIN. REPLACE TILES AND RELAMP FIXTURES AS NEEDED.
- ◇ NEW CEILING GRID, TILE AND LIGHT FIXTURES @ 9'-0" AFF

LIGHTING SYMBOLS

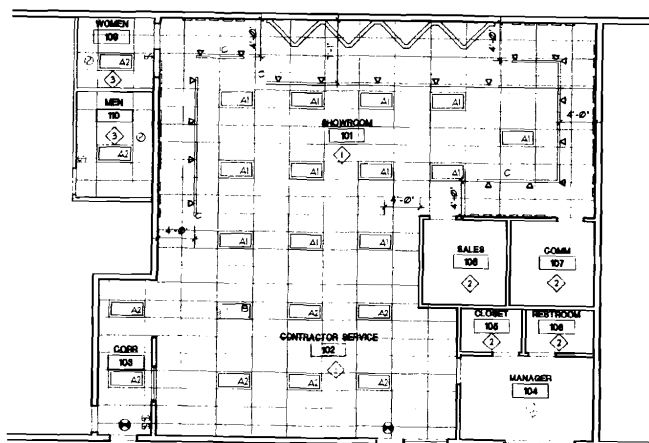
LIGHT FIXTURES ARE SUPPLIED BY DALTILE/INSTALLED BY GC. FOR LIGHTING INFORMATION CONTACT: JOHN BORGESON AT SUMMIT ELECTRIC - 811-831-4500

- § SWITCH
- AI
FIXTURE TYPE AI
2' X 4' FLUORESCENT FIXTURE - OSRAM/SYLVANIA
* F032/835/F32 T-8 5P XRAY 35 T8V W/
OSRAM/SYLVANIA QUICKTRONIC SYSTEM 32 BALLAST
4 LAMPS IN SHOWROOM ONLY
- A2
FIXTURE TYPE A2
2' X 4' FLUORESCENT FIXTURE - OSRAM/SYLVANIA
* F032/835/F32 T-8 5P XRAY 35 T8V W/
OSRAM/SYLVANIA QUICKTRONIC SYSTEM 32 BALLAST
3 LAMPS
- B
FIXTURE TYPE B
2' X 4' FLUORESCENT FIXTURE (NITE LIGHT)
OSRAM/SYLVANIA * F032/835/F32 T-8 5P XRAY
35 REQUIRED 24 HR BATTERY FOR EMERGENCY LIGHTING
- C
FIXTURE TYPE C
LIGHTING PER WABUNESH-BRUSH 38 ZUF.
LAMP - 39W CERAMIC METAL HALIDE
LOCATE FIXTURE HEADS AS SHOWN
TRACK - 100V 1-CIRCUIT LENGTH TBD
- E
FIXTURE TYPE E
LIGHTING PLINUM
INSTALL EX T SIGNS AS REQUIRED BY CODE.

JOB #: 291.0808
DATE: 08.08.08
SCALE:

SHEET NO.

A6



01 REFLECTED CEILING PLAN
1/8" = 1'-0"



NOTE: ON REMODELS MATCH EXISTING HARDWARE TYPE AT NEW LOCATIONS US THE FOLLOWING SCHEDULES:

HARDWARE GROUPS:

- GROUP NO. 1:** ENTRANCE LOCKSET: SCHLAGE D59PD (US26D); SCHLAGE LEVER SATURN; #26 SATIN CHROME BUTTS; 4 1/2" x 4 1/2" HAGER D78 1/2 PR (US26D); DOORSTOP: WALL MOUNTED TRICO U216CCS (US26D); CLOSER: NORTON OH 8501 ADJUSTABLE; SILENCERS: PEKCO
- GROUP NO. 2:** PASSAGE LATCH: SCHLAGE D19S (US26D); SCHLAGE LEVER SATURN; #26 SATIN CHROME BUTTS; 4 1/2" x 4 1/2" HAGER D78 1/2 PR (US26D); DOORSTOP: WALL MOUNTED TRICO U216CCS (US26D); SILENCERS: PEKCO; CLOSER: NORTON OH 8501 PL / ADJUSTABLE
- GROUP NO. 3:** ENTRANCE/OFFICE LOCKSET: SCHLAGE D59PD (US26D); SCHLAGE LEVER SATURN; #26 SATIN CHROME BUTTS; 4 1/2" x 4 1/2" HAGER D78 1/2 PR (US26D); DOORSTOP: WALL MOUNTED TRICO U216CCS (US26D); SILENCERS: PEKCO
- GROUP NO. 4:** STORE/ROOM LOCKSET: SCHLAGE D59PD (US26D); SCHLAGE LEVER SATURN; #26 SATIN CHROME BUTTS; 4 1/2" x 4 1/2" HAGER D78 1/2 PR (US26D); DOORSTOP: WALL MOUNTED TRICO U216CCS (US26D); SILENCERS: PEKCO
- GROUP NO. 5:** PRIVACY LOCKSET: SCHLAGE 540D ANSI #16; SCHLAGE LEVER SATURN; #26 SATIN CHROME BUTTS; 4 1/2" x 4 1/2" HAGER D78 1/2 PR (US26D); DOORSTOP: WALL MOUNTED TRICO U216CCS (US26D); CLOSER: NORTON OH 8501 ADJUSTABLE (TO MATCH US26D); KICK PLATE: 8" x 36" - US628 HALLWAY SIDE ONLY; SILENCERS: PEKCO; SIGNAGE: TO COMPLY WITH ADA T&S AND CITY REQUIREMENTS
- GROUP NO. 6:** PANIC HARDWARE

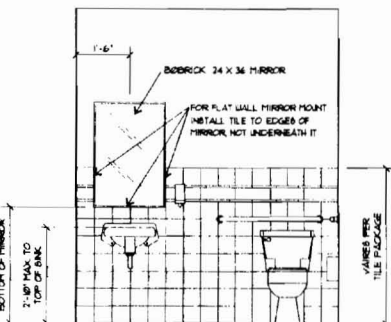
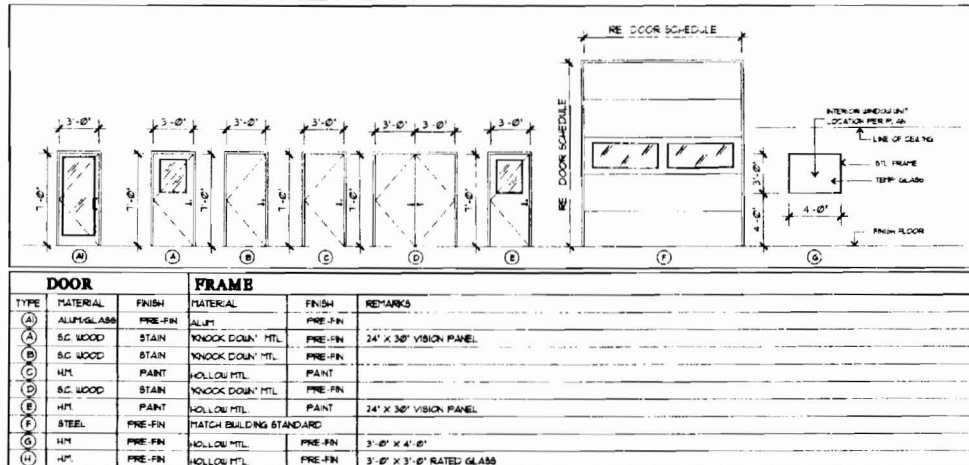
NOTE: ON REMODELS MATCH EXISTING DOORS AND FRAMES AT NEW LOCATIONS US THE FOLLOWING:

DOOR FINISH TO BE NATURAL BIRCH, CLEAR FINISH UNLESS OTHERWISE NOTED. DOOR FRAMES TO BE PREFINISHED TIMELY FRAMES, #1A-23, SC201 BROWNTONE, SINGLE SWING FRAME, (SERIES C).

DOOR SCHEDULE

NO.	TYPE	DOOR		FRAME		HARDWARE GROUP	REMARKS
		SIZE	MAT.	MAT.	FIN.		
109	B	3'-0" x 7'-0" x 1'-3/4"	S.C. WOOD	PF. STAIN	MTL	PRE-FIN	5
110	B	3'-0" x 7'-0" x 1'-3/4"	S.C. WOOD	PF. STAIN	MTL	PRE-FIN	7

DOOR AND WINDOW TYPES



TILE WAINSCOT DETAIL

1/2" x 1'-0"

DOOR NOTES:

- ALL NEW DOOR CONTROLS ARE TO BE LEVER HANDLE TYPE CONFORMING TO AMERICAN'S WITH DISABILITIES ACT OF 1990 AND LOCAL GOVERNING ACCESSIBILITY STANDARD CODES.
- ALL DOORS NOTED AS EXIT DOORS IN THE REMARKS COLUMN OF THE DOOR SCHEDULE, ARE TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT, PER SECTION 3304 (C) OF UBC CODE.
- ALL DOOR SIGNAGE MUST COMPLY TO LOCAL GOVERNING CODES.
- PROVIDE EMERGENCY AND EXIT LIGHTS PER LOCAL GOVERNING CODES.
- PROVIDE PRIVACY LOCKS ON ALL DOORS IN RESTROOM FACILITIES.
- HARDWARE AND SPECIALTIES:
 - THRESHOLDS FOR ALL MAIN DOORS TO EXTERIOR OF BUILDING AND MAIN DOORS FROM SHOURDUM CONTRACTOR SERVICE AREAS TO WAREHOUSE TO HAVE INTERLOCKING EXTRUDED ALUMINUM SADDLES ZERO LEATHER STRIPPING # US 1 * 75.
 - WORKMANSHIP - ALL HARDWARE SHALL BE SET AND POSITIONED BY TEMPLATE FURNISHED BY THE MANUFACTURER. REINFORCE AND FIRMLY ANCHOR ALL CONNECTIONS TO RESIST EXTREME USE. ADJUST AND SET FOR SMOOTH, POSITIVE AND PROPER OPERATION.
- OVERHEAD DOORS:
 - SOLID SECTIONAL PANEL TYPE
 - 24 GAUGE NON INSULATED OVERHEAD DOOR FIVE SECTION WITH TWO WINDOWS IN THE THIRD SECTION 12" x 14" FOR GROUND LEVEL.
 - LOADING AND B * B DOOR HIGH LOADING LEATHER STRIP PERIMETER AND BULB SEAL TO FLOOR.
 - FINISH TO BE BAKED ENAMEL - COLOR TBD.
 - ROLLERS AND TRACKS TO 3" WITH CYCLE SPRINGS.
 - EXTENSION OF THE DOOR TO BE AS HIGH AS POSSIBLE TO INTERFERE OF ROOF STRUCTURE.
- DOOR SEALS:
 - KELLEY FOAM COLLAPSIBLE DOOR AND DOCK SEALS D08 10" UPROLL-FORM GALV. ST. FRAMING THROUGH THE DOOR TRACK.
- DOOR FRAMES: DOOR FRAMES TO BE PREFINISHED TIMELY FRAMES, #1A-23, SC201 BROWNTONE, SINGLE SWING FRAME, (SERIES C).
- DOORS: DOOR FINISH TO BE NATURAL BIRCH, CLEAR FINISH UNLESS OTHERWISE NOTED.

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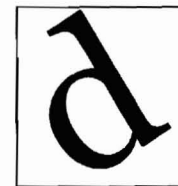
ISSUE LOG

DESCRIPTION	DATE
FOR REVIEW	08.12.08
FOR PRICING	08.18.08

JOB #: 291-0808
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SHEET NO.

A7



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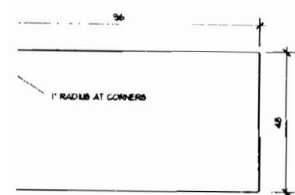
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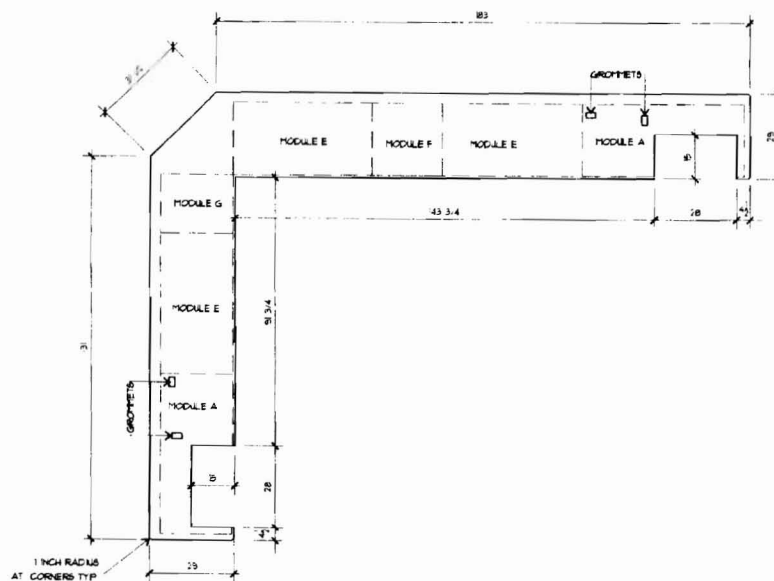
SALES CENTER #291
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ISSUE LOG

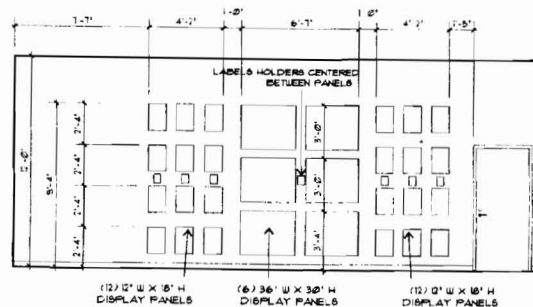
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FOR REVIEW	08.12.08
FOR PRICING	08.18.08



01 DARK TABLE TOP

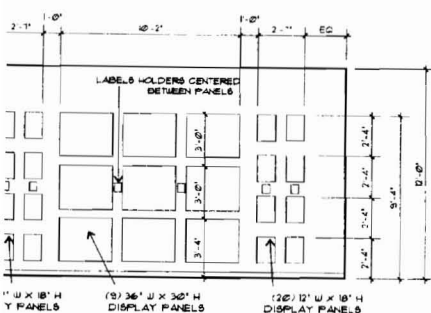


06 SALES COUNTER TOP

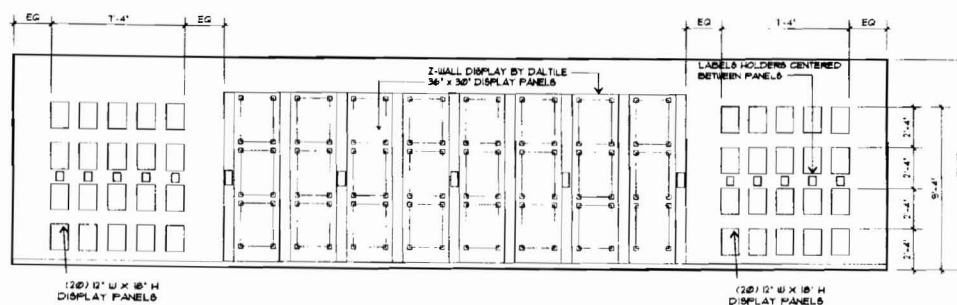


05 DISPLAY PANEL ELEVATION

04 NOT USED



02 DISPLAY PANEL ELEVATION

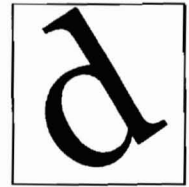


01 DISPLAY PANEL ELEVATION

JOB #: 291 0808
DATE: 08.08.08
SCALE:

SHEET NO.

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FOR REVIEW	08.12.08
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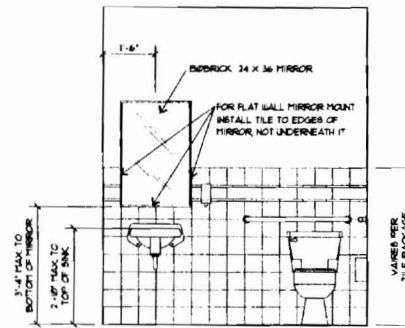
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DATE: 08.08.08
SCALE: AS NOTED

SHEET NO.

A9

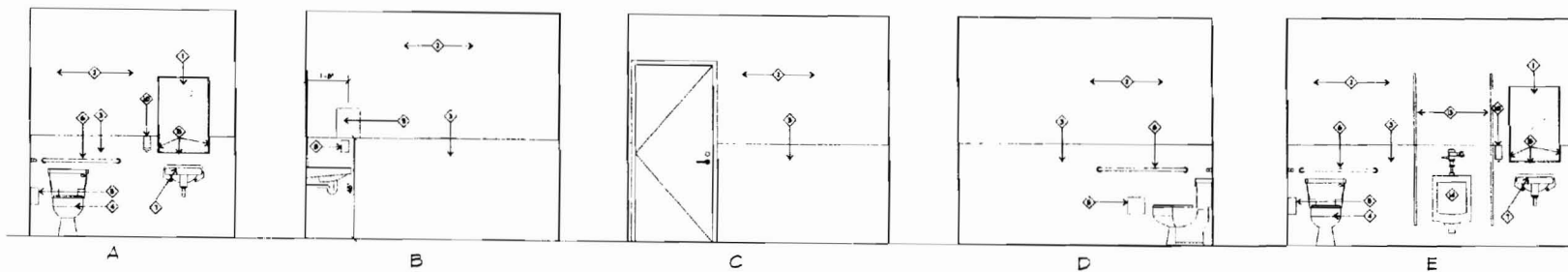
06 TILE WAINSCOT DETAIL

1/2" = 1'-0"



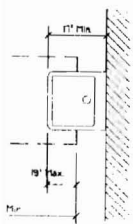
05 RESTROOM ELEVATIONS

3/8" = 1'-0"

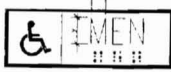


05 RESTROOM ELEVATIONS

3/8" = 1'-0"

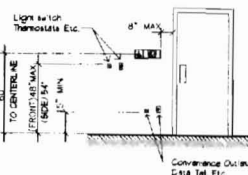


- A Where permanent identification is provided for rooms and spaces, signs shall be installed on the wall adjacent to the latch side of the door.
- B Where there is no wall space to the latch side of the door, including at double and sliding doors, signs shall be placed on the nearest adjacent wall.
- C Mounting height shall be 60" above the finished floor to the centerline of the sign.
- D Mounting location for such signage shall be so that a person may approach within 3' of signage without encountering protruding objects or standing within the swing of a door.



International Symbol of Accessibility

Letter numbers on signs shall have a width to height ratio of between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10. Letters and numbers shall be raised 1/32" upper case letters serif or sans serif type and shall be accompanied with Braille 3/32" Braille raised characters shall be at least 5/8" high but no higher than 2".

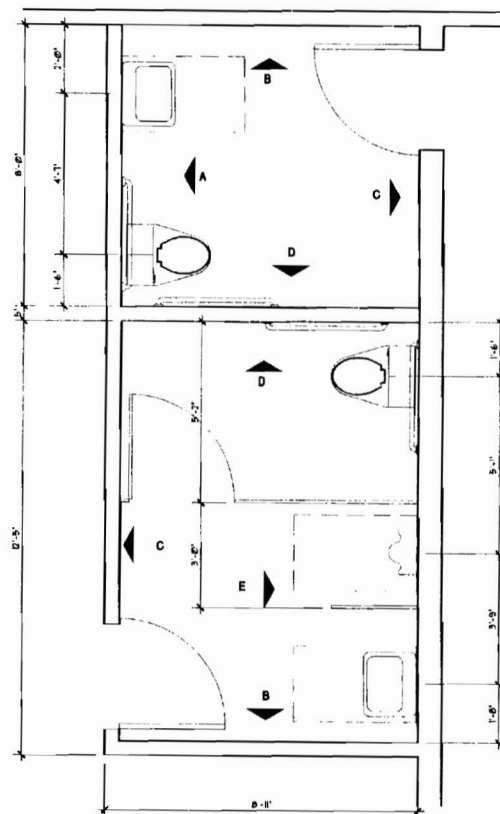


Locate flush controls on wide side



02 SIGN DETAILS

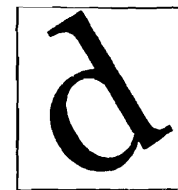
1/4" = 1'-0"



01 ENLARGED RESTROOM PLANS

1/2" = 1'-0"

MEN & WOMEN'S



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SCALE:

SHEET NO.
SP-1

K. CLEANERS: CLEAN PROJECT SITE AND WORK AREAS DAILY, INCLUDING COMMON AREAS. COORDINATE PROGRESS CLEANING FOR JOINT-USE AREAS WHERE MORE THAN ONE INSTALLER HAS WORKED. ENFORCE REQUIREMENTS STRICTLY. DISPOSE OF MATERIALS LAWFULLY.

L. DEFECTIVE CONSTRUCTION REPLACEMENT: REPAIR OR REMOVE AND REPLACE DEFECTIVE CONSTRUCTION RESTORE DAMAGED SUBSTRATES AND FINISHES. REPAIRING INCLUDES REPLACING DEFECTIVE PARTS, REFINISHING DAMAGED SURFACES, TOUCHING UP WITH MATCHING MATERIALS, AND PROPERLY ADJUSTING OPERATING EQUIPMENT.

1.8 CONTRACT CLOSE-OUT

A. FINAL CLEANING: EXECUTE FINAL CLEANING OF PREMISES PRIOR TO FINAL INSPECTION. REMOVE WASTE AND SURPLUS MATERIALS, RUBBISH, AND CONSTRUCTION FACILITIES FROM SITE. FINAL CLEANING REQUIRED PRIOR TO SUBSTANTIAL COMPLETION.

B. PUNCHLIST: CONTRACTOR, ACCOMPANIED BY OWNER, SHALL PREPARE LIST OF ITEMS TO BE CORRECTED IN ORDER TO OBTAIN FINAL ACCEPTANCE.

C. SUBSTANTIAL COMPLETION, UNLESS INDICATED OTHERWISE IN CONTRACT, SHALL REQUIRE ISSUANCE OF CERTIFICATE OF OCCUPANCY ALLOWING OWNER'S USE OF THE PROJECT LEASOLD.

D. ADJUSTING: ADJUST OPERATING PRODUCTS AND EQUIPMENT TO PROPER OPERATING CONDITIONS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

E. PROJECT RECORD DOCUMENTS: MAINTAIN ONE SET OF CONTRACT DOCUMENTS; RECORD ACTUAL REVISIONS TO THE WORK. PROVIDE TO OWNER AT END OF JOB.

F. SUBMITTALS: MAINTAIN ONE SET OF ALL SUBMITTALS IN BINDER.

G. SPARE PARTS AND MAINTENANCE MATERIALS: DELIVER TO PROJECT SITE AND PLACE IN LOCATION AS DIRECTED.

H. WARRANTIES: PROVIDE NOTARIZED COPIES

I. EXTRA MATERIALS: PROVIDE ADDITIONAL QUANTITIES OF THE FOLLOWING EQUAL TO SIX (6) PERCENT PROVIDED OR 1 GALLON: PAINT, WALLCOVERINGS, CEILING PANELS.

1.9 CUTTING AND PATCHING

A. PRIOR TO CUTTING, PROVIDE SHORING, BRACING, AND SUPPORTS REQUIRED TO MAINTAIN INTEGRITY OF EXISTING WORK AND PROTECTION FOR OTHER PORTIONS OF PROJECT.

B. EXECUTE CUTTING BY METHODS WHICH WILL PREVENT DAMAGE TO OTHER WORK, AND WILL PROVIDE PROPER SURFACES TO RECEIVE INSTALLATION OF REPAIRS AND NEW WORK.

C. REFINISH EXISTING SURFACES TO REMAIN ADJACENT TO CUTTING AND PATCHING AS NECESSARY TO PROVIDE AN EVEN FINISH TO LIKE NEW CONDITION.

1. CONTINUOUS SURFACES: TO NEAREST INTERSECTIONS.

2. ASSEMBLY: REFINISH ENTIRELY.

SECTION 06200 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 PROJECT CONDITIONS

A. IF HAZARDOUS MATERIALS ARE DISCOVERED, NOTIFY OWNER AND AWAIT INSTRUCTIONS.

B. DO NOT CLOSE OR OBSTRUCT EXITS.

C. DO NOT DISABLE OR DISRUPT BUILDING FIRE, LIFE SAFETY SYSTEMS: HVAC, PLUMBING, OR ELECTRICAL SYSTEMS.

1.2 QUALITY ASSURANCE

A. DEMOLITION FIRM QUALIFICATIONS: AN EXPERIENCED FIRM THAT HAS SPECIALIZED IN DEMOLITION WORK SIMILAR IN MATERIAL AND EXTENT TO THAT INDICATED FOR THIS PROJECT.

B. REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAZARD AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.

1.3 PROJECT CONDITIONS

A. HAZARDOUS MATERIALS: IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB.

B. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT.

C. UTILITY SERVICE: MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLITION OPERATIONS.

PART 2 - PRODUCTS

2.1 REPAIR MATERIALS

A. USE REPAIR MATERIALS IDENTICAL TO EXISTING MATERIALS OR, IF NOT AVAILABLE, USE MATERIALS THAT PROVIDE CLOSEST VISUAL MATCH POSSIBLE.

PART 3 - EXECUTION

3.1 DEMOLITION

A. REMOVE EXISTING CONSTRUCTION TO EXTENT INDICATED AND AS REQUIRED TO JOIN NEW WORK TO EXISTING GENERAL CONSTRUCTION. CONTRACTOR IS REQUIRED TO REPAIR DEMOLITION WORK PERFORMED BUT NOT REQUIRED OR NOTED.

B. MINIMIZE NOISE AND SPREAD OF DIRT AND DUST.

C. REMOVE AND DISPOSE OF WASTE MATERIALS OFF SITE.

D. STORE ITEMS DESIGNATED TO REMAIN PROPERTY OF OWNER WHERE DIRECTED.

PART 2 - PRODUCTS

2.1 REPAIR MATERIALS

A. USE REPAIR MATERIALS IDENTICAL TO EXISTING MATERIALS OR, IF NOT AVAILABLE, USE MATERIALS THAT PROVIDE CLOSEST VISUAL MATCH POSSIBLE.

PART 3 - EXECUTION

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B. MINIMIZE NOISE AND SPREAD OF DIRT AND DUST.

C. REMOVE AND DISPOSE OF WASTE MATERIALS OFF SITE.

D. STORE ITEMS DESIGNATED TO REMAIN PROPERTY OF OWNER WHERE DIRECTED.

SECTION 04200 - UNIT MASONRY

PART 1 - GENERAL

1.1 SUMMARY

A. INTERIOR APPLICATIONS ONLY ARE ADDRESSED IN THIS SECTION.

PART 2 - PRODUCTS

2.1 MATERIALS

A. CONCRETE MASONRY UNITS: ASTM C 90, LIGHT WEIGHT, GRADE N OR S.

B. FACE BRICK: ASTM C 216, GRADE OPTIONAL, TYPE FCB. REFER TO DRAWINGS FOR SIZE, COLOR, AND SURFACE TEXTURE.

C. MORTAR MATERIALS:

1. PORTLAND CEMENT: ASTM C 150, TYPE I.

2. SAND: ASTM C 207, TYPE S.

3. MORTAR CEMENT: ASTM C 1314.

4. MORTAR AGGREGATE: ASTM C 144, STANDARD MASONRY MIX.

5. WATER: CLEAN, POTABLE.

D. HORIZONTAL REINFORCING: LADDER TYPE, MILL GALVANIZED FINISH.

E. WALL TIES: MILL GALVANIZED CARBON STEEL.

2.2 MIXES

A. MORTAR: ASTM C 270, TYPE N.

PART 3 - EXECUTION

3.1 INSTALLATION

A. LAY MASONRY PLUMB AND LEVEL.

B. REINFORCE CONCRETE UNIT MASONRY WALLS WITH HORIZONTAL REINFORCING AT MAXIMUM 16 INCHES ON CENTER VERTICALLY.

C. SECURE MASONRY VENEER TO BACKUP WITH WALL TIES SPACED TO PROVIDE ONE TIE PER 2 SQUARE FEET AT MAXIMUM SPACING OF 16 INCHES ON CENTER HORIZONTALLY.

D. FINISHING MORTAR JOINTS: 1) EXPOSED LOCATIONS: FLAT JOINTS TO CONCAVE PROFILE; 2) CONCEALED LOCATIONS: CONCAVE JOINTS; 3) FINISH.

SECTION 05200 - METAL FABRICATIONS

PART 1 - GENERAL

1.1 PERFORMANCE REQUIREMENTS

A. COUNTER TOPS AND VANITIES: PROVIDE COUNTERTOP AND VANITY FRAMING CAPABLE OF WITHSTANDING THE FOLLOWING STRUCTURAL LOADS: ALL DEAD LOADS, 500 POUND LIVE LOAD PLACED ON THE COUNTERTOP AND VANITY WITH DEFLECTION AT MIDS-PAN: 1/1000 TIMES SPAN OR 1/8" WHICHEVER IS LESS.

1.2 QUALITY ASSURANCE

A. WELDING: QUALIFY BRIGADES AND PERSONNEL ACCORDING TO THE FOLLOWING:

1. AWS D11.1, "STRUCTURAL WELDING CODE--STEEL"

2. AWS D1.5, "STRUCTURAL WELDING CODE--SHELL STEEL"

B. STORE METAL FABRICATIONS IN A DRY, WELL VENTILATED, WEATHER-TIGHT PLACE. DELIVER AND HANDLE SO AS TO PREVENT ANY TYPE OF DAMAGE TO THE FABRICATED WORK.

1.3 PRELIMINARY CONDITIONS

A. FIELD MEASUREMENTS: WHERE METAL FABRICATIONS ARE INDICATED TO FIT WALLS AND OTHER CONSTRUCTION, VERIFY DIMENSIONS BY FIELD MEASUREMENTS BEFORE FABRICATION AND INDICATE MEASUREMENTS ON SHOP DRAWINGS. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK.

B. ESTABLISHED DIMENSIONS: WHERE FIELD MEASUREMENTS CANNOT BE MADE WITHOUT DELAYING THE WORK, ESTABLISH DIMENSIONS AND PROCEED WITH FABRICATING METAL FABRICATIONS WITHOUT FIELD MEASUREMENTS. COORDINATE CONSTRUCTION TO ENSURE THAT ACTUAL DIMENSIONS CORRESPOND TO ESTABLISHED DIMENSIONS. ALLOW FOR TRIMMING AND FITTING.

1.4 COORDINATION

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A. COORDINATE INSTALLATION OF ANCHORAGES FOR METAL FABRICATIONS. FURNISH SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLING ANCHORAGES, INCLUDING SLEEVES, CONCRETE INSERTS, ANCHOR BOLTS, AND ITEMS WITH INTERNAL ANCHORS, THAT ARE TO BE EMBEDDED IN CONCRETE OR MASONRY. DELIVER SUCH ITEMS TO PROJECT SITE IN TIME FOR INSTALLATION.

PART 2 - PRODUCTS

2.1 MATERIALS

A. STEEL PLATES, ANGLES, SHAPES, AND BARS: ASTM A 36/A 36M.

B. STEEL TUBING: COLD-FORMED STEEL TUBING COMPLYING WITH ASTM A 500, OR HOT-FORMED STEEL TUBING COMPLYING WITH ASTM A 501.

C. STEEL PIPE: ASTM A 53, TYPE S - SEAMLESS GRADE A SUITABLE FOR COLD CHILING OR COLD BENDING, STANDARD WEIGHT (SCHEDULE 40) MINIMUM, UNLESS OTHERWISE INDICATED OR REQUIRED TO SATISFY PERFORMANCE REQUIREMENTS, BLACK FINISH.

D. EXPANSION ANCHORS: ANCHOR BOLT AND SLEEVE ASSEMBLY WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO SIX TIMES THE LOAD IMPOSED WHEN INSTALLED IN UNIT MASONRY AND FOUR TIMES THE LOAD IMPOSED WHEN INSTALLED IN CONCRETE, AS DETERMINED BY TESTING ACCORDING TO ASTM E 488. PROVIDE CARBON-STEEL COMPONENTS ZINC-PLATED TO COMPLY WITH ASTM B 633, CLASS FE/ZN 5 FOR INTERIOR LOCATIONS.

E. SHOP PRIMER: FAST-CURING, LEAD- AND CHROMATE-FREE, UNIVERSAL MODIFIED-ALKYD PRIMER.

F. FASTENERS: ZINC-PLATED FASTENERS OF TYPE, GRADE, AND CLASS REQUIRED BY APPLICATION INDICATED.

G. NONSHRINK, NONMETALLIC GROUT: ASTM C 1107, NONSTAINING, NONCORROSIVE, NONGASEOUS GROUT.

2.2 FABRICATION

A. PROVIDE STEEL FRAMING AND SUPPORTS INDICATED AND AS NECESSARY TO COMPLETE THE WORK INCLUDING BUT NOT LIMITED TO FRAMING AND SUPPORTS FOR OVERHEAD SECTIONAL DOORS, OVERHEAD ROLLING DOORS AND GRILLES, TUBE FRAMING FOR PARTIAL HEIGHT WALLS, GYM PARTITION HEAD SUPPORTS, BOLLARDS AND MECHANICAL / ELECTRICAL EQUIPMENT.

B. COUNTERTOP AND VANITY FRAMING: CUSTOM FABRICATE COUNTERTOP AND VANITY FRAMING, USING STEEL SHAPES AND PLATES, AND COLD FINISHED MILD STEEL BARS AT EXPOSED CONDITIONS, FOR SUPPORT FRAMING AND PLYWOOD, TO THE THICKNESSES, SIZES AND SHAPES SHOWN, AND AS REQUIRED TO PRODUCE WORK OF ADEQUATE STRENGTH AND DURABILITY, WITHOUT OBJECTIONABLE DEFLECTIONS.

C. FABRICATE PIPE BOLLARDS FROM SCHEDULE 40 STEEL PIPE.

D. FABRICATE STEEL FRAMING AND SUPPORTS FROM STRUCTURAL STEEL SHAPES, PLATES, BARS, AND TUBES OF WELDED CONSTRUCTION. WELD IN ACCORDANCE WITH AWS D11. FABRICATE TO SIZES, SHAPES, AND PROFILES INDICATED AND AS NECESSARY TO RECEIVE ADJACENT CONSTRUCTION RELATED BY FRAMING AND SUPPORTS, CUT, DRILL, AND TAP METAL FABRICATIONS TO RECEIVE HARDWARE, HANGERS, AND SIMILAR ITEMS.

E. SHOP PRIMER: PRIME METAL FABRICATIONS AFTER ASSEMBLY. REMOVE OIL, GREASE, AND SIMILAR CONTAMINANTS IN ACCORDANCE WITH SSPC-SP 1 "SOLVENT CLEANING," FOLLOWED WITH SSPC-SP 3 "POWER TOOL CLEANING."

F. APPLY ONE COAT OF SHOP PRIMER IN COMPLIANCE WITH SSPC-PA 1, "PAINT APPLICATION SPECIFICATION NO. 1."

PART 3 - EXECUTION

3.1 GENERAL INSTALLATION

A. PROVIDE ANCHORAGE DEVICES AND FASTENERS FOR SECURING METAL FABRICATIONS TO IN-PLACE CONSTRUCTION. PERFORM CUTTING, DRILLING, AND FITTING REQUIRED FOR INSTALLING METAL FABRICATIONS. SET METAL FABRICATIONS ACCURATELY IN LOCATION, WITH EDGES AND SURFACES LEVEL, PLUMB, AND TRUE.

B. CUTTING, FITTING, AND PLACEMENT: PERFORM CUTTING, DRILLING, AND FITTING REQUIRED FOR INSTALLING METAL FABRICATIONS. SET METAL FABRICATIONS ACCURATELY IN LOCATION, ALIGNMENT, AND ELEVATION, WITH EDGES AND SURFACES LEVEL, PLUMB, TRUE, AND FREE OF RACK, AND MEASURED FROM ESTABLISHED LINES AND LEVELS.

C. INSTALL 5" X 5" X 3/8" STEEL ANGLE AS BASE IN ALL WAREHOUSE SPAC, EXPANSION ANCHORED TO FLOORS WITH ANCHORS AT 24" O.C. MAXIMUM.

3.2 INSTALLING PIPE BOLLARDS

A. ANCHOR BOLLARDS IN CONCRETE IN FORMED OR CORE-DRILLED HOLES NOT LESS THAN 30 INCHES (200 MM) DEEP AND 2 INCHES (19 MM) GREATER THAN O.D. OF BOLLARD. AFTER BOLLARDS HAVE BEEN INSERTED INTO HOLES, FILL ANNUAL SPACE SURROUNDING BOLLARD SOLIDLY WITH NONSHRINK, NONMETALLIC GROUT. MIXED AND PLACED TO COMPLY WITH GROUT MANUFACTURER'S WRITTEN INSTRUCTIONS.

B. ANCHOR INTERNAL SLEEVES FOR REMOVABLE BOLLARDS IN FORMED OR CORE-DRILLED HOLES NOT LESS THAN 30 INCHES (200 MM) DEEP AND 2 INCHES (19 MM) GREATER THAN O.D. OF SLEEVE. AFTER SLEEVES HAVE BEEN INSERTED INTO HOLES, FILL ANNUAL SPACE SURROUNDING SLEEVES SOLIDLY WITH NONSHRINK, NONMETALLIC GROUT, MIXED AND PLACED TO COMPLY WITH GROUT MANUFACTURER'S WRITTEN INSTRUCTIONS.

C. INSTALL BOLLARDS TO HEIGHT OF 48" ABOVE ADJOINING GRADE.

D. FILL BOLLARDS SOLIDLY WITH CONCRETE, MOUNDING TOP SURFACE. PAINT OVER A YELLOW JUST PRIOR TO SUBSTANTIAL COMPLETION.

SECTION 06200 - ROUGH CARPENTRY

PART 1 - GENERAL

1.1 QUALITY ASSURANCE

A. IDENTIFY LUMBER AND PLYWOOD BY OFFICIAL GRAIN MARK.

B. FIRE RETARDANT TREATED PRODUCTS: BLAZER LABEL OF RECOGNIZED INDEPENDENT TESTING LABORATORY INDICATING FLAME SPREAD RATING OF 25 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E 84.

PART 2 - PRODUCTS

2.1 MATERIALS

A. LUMBER: ANY COMMERCIAL SUFFICIENT SPECIES, S4S, MAXIMUM 19 PERCENT MOISTURE CONTENT, GRADE 2 OR BETTER.

B. PLYWOOD: C-D PLUGGED OR BETTER, INTERIOR EXPOSURE.

2.2 FABRICATION

A. FIRE RETARDANT TREATMENT:

1. LUMBER: TREAT IN ACCORDANCE WITH AWPA C20.

2. PLYWOOD: TREAT IN ACCORDANCE WITH AWPA C24, INTERIOR TYPE A.

PART 3 - EXECUTION

3.1 INSTALLATION

A. SET MEMBERS LEVEL, PLUMB, AND RIGID.

B. CONSTRUCT LOAD BEARING FRAMING MEMBERS FULL LENGTH WITHOUT SPICES.

C. PROVIDE BLOCKING, NAILERS, GROUNDING, AND OTHER SIMILAR ITEMS REQUIRED TO RECEIVE AND SUPPORT OTHER WORK.

D. INSTALL PLYWOOD TELEPHONE AND ELECTRICAL PANEL BOARDS WHERE REQUIRED.

E. SECURELY ATTACH CARPENTRY WORK TO SUBSTRATE BY ANCHORING AND FASTENING AS INDICATED, COMPLYING WITH THE FOLLOWING:

1. NDS NER-272 FOR POWER-DRIVEN FASTENERS.

2. TABLE 2304.9.1, "FASTENING SCHEDULE," IN ICC'S INTERNATIONAL BUILDING CODE.

F. USE COMMON WIRE NAILS, UNLESS OTHERWISE INDICATED. SELECT FASTENERS OF SIZE THAT WILL NOT FULLY PENETRATE MEMBERS WHERE OPPOSITE SIDE WILL BE EXPOSED TO VIEW OR WILL RECEIVE FINISH MATERIALS. MAKE TIGHT CONNECTIONS BETWEEN MEMBERS. INSTALL FASTENERS WITHOUT SPLITTING WOOD; DO NOT COUNTERSINK NAIL HEADS, UNLESS OTHERWISE INDICATED.

SECTION 06200 - FINISH CARPENTRY

PART 1 - GENERAL

1.1 QUALITY ASSURANCE

A. QUALITY: AWW CUSTOM GRADE.

PART 2 - PRODUCTS

2.1 MATERIALS

A. INTERIOR STANDING AND RUNNING TRIM AND DOOR FRAMES.

1. OPAQUE FINISH: GRADED IN ACCORDANCE WITH AWW REQUIREMENTS, AVERAGE MOISTURE CONTENT OF 6 PERCENT.

2. TRANSPARENT FINISH: GRADED IN ACCORDANCE WITH AWW REQUIREMENTS, MAXIMUM MOISTURE CONTENT OF 6 PERCENT. SPECIES AND CUR: REFER TO DRAWINGS.

2.2 FABRICATION

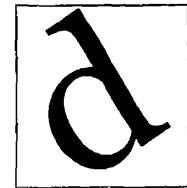
A. QUALITY: AWW CUSTOM GRADE.

PART 3 - EXECUTION

3.1 INSTALLATION

A. INSTALL IN ACCORDANCE WITH AWW CUSTOM GRADE REQUIREMENTS.

B. STANDING AND RUNNING TRIM: INSTALL WITH MINIMUM NUMBER OF JOINTS POSSIBLE, USING FULL-LENGTH PIECES OF MAXIMUM LENGTH OF LUMBER AVAILABLE; TO GREATEST EXTENT POSSIBLE, FILL GAPS, IF ANY, BETWEEN TOP OF BASE AND WALL WITH PLASTIC WOOD FILLER, SAND SMOOTH, AND FINISH SAME AS WOOD BASE, IF FINISHED.



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DESCRIPTION	DATE
FOR REVIEW	08.12.08
FOR PRICING	08.18.08

JOB #: 291-0808
DATE: 08.08.08
SCALE:

SHEET NO.
SP-2

PART 3 - EXECUTION

3.1 INSTALLATION

- INSTALL INSULATION TO COMPLY WITH INSULATION MANUFACTURER'S WRITTEN INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATION INDICATED. EXTEND INSULATION TO THICKNESS INDICATED TO ENVELOPE ENTIRE AREA TO BE INSULATED. CUT AND FIT TIGHTLY AROUND OBSTRUCTIONS, AND FILL VOIDS WITH INSULATION SET VAPOR-RETARDER-FACED UNITS WITH VAPOR RETARDER TO WARM SIDE OF CONSTRUCTION, UNLESS OTHERWISE INDICATED. DO NOT OBSTRUCT VENTILATION SPACES, EXCEPT FOR FIRESTOPPING, TAPE JOINTS AND RIPTURES IN VAPOR RETARDER, AND SEAL EACH CONTINUOUS AREA OF INSULATION TO SURROUNDING CONSTRUCTION TO ENSURE AIRTIGHT INSTALLATION.
- USE BLANKET WIDTHS AND LENGTHS THAT FILL THE CAVITIES FORMED BY FRAMING MEMBERS. IF MORE THAN ONE LENGTH IS REQUIRED TO FILL CAVITY, PROVIDE LENGTHS THAT WILL PRODUCE A SNUG FIT BETWEEN ENDS.
- FOR METAL-FRAMED WALL CAVITIES WHERE CAVITY HEIGHTS EXCEED 96 INCHES (2438 MM) SUPPORT UNFACED BLANKETS MECHANICALLY AND SUPPORT FACED BLANKETS BY TAPING STAPLING FLANGES TO FLANGES OF METAL STUDS.

SECTION 07900 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

- THIS SECTION INCLUDES SEALANTS FOR THE FOLLOWING APPLICATIONS:
 - INTERIOR JOINTS IN THE FOLLOWING VERTICAL SURFACES AND HORIZONTAL, NON-Traffic SURFACES:
 - CONTROL AND EXPANSION JOINTS ON EXPOSED SURFACES OF INTERIOR WALLS.
 - JOINTS BETWEEN INTERIOR WALL SURFACES AND FRAMES OF INTERIOR DOORS AND WINDOWS.
 - JOINTS BETWEEN CEILING SYSTEMS AND ADJOINING WALLS, JOINTS BETWEEN DISSIMILAR FINISH MATERIALS ON EXPOSED SURFACES OF INTERIOR PARTITIONS.
 - INTERIOR JOINTS IN THE FOLLOWING HORIZONTAL TRAFFIC SURFACES:
 - CONTROL AND EXPANSION JOINTS IN CERAMIC TILE.

1.2 SUBMITTALS

- SAMPLES: SEALANT SAMPLES SHOWING AVAILABLE COLORS.

PART 2 - PRODUCTS

2.1 MATERIALS

- SILICONE SEALANT, ASTM C 920, TYPE S (SINGLE COMPONENT), GRADE NS (NON-SAG), CLASS 25; SILICONE, WIDEN-RESISTANT, USE INT (NON-Traffic) COLOR TO BE SELECTED; PROVIDE AT FLOOR SERVICE AREAS AND TOILET ROOMS.
- ACRYLIC LATEX SEALANT, ASTM C 854, TYPE S (SINGLE COMPONENT) ACRYLIC LATEX, GRADE NS (NON-SAG), COLOR TO BE SELECTED TO MATCH ADJACENT FINISHES; PROVIDE AT ALL LOCATIONS, UNLESS NOTED OTHERWISE.
- ELASTOMERIC MULTI-COMPONENT POLYURETHANE SEALANT, TYPE M (MULTI-COMPONENT), GRADE NS (NON-SAG), CLASS 25, USE T (TRAFFIC) AND INT (NON-Traffic); PROVIDE AT CONTROL JOINTS AT CERAMIC FLOOR TILE.

PART 3 - EXECUTION

3.1 APPLICATION

- APPLY PRODUCT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- TOOL SEALANT TO SMOOTH PROFILE.

SECTION 08110 - STANDARD STEEL DOORS AND FRAMES

PART 1 - GENERAL

1.1 QUALITY ASSURANCE

- DOORS: ANSI/SDF 250.4 AND 250.8 HEAVY DUTY, LEVEL 2 - FULL FLUSH, HOLLOW METAL, 18 GAGE MINIMUM.
- FRAMES: ANSI/SDF 250.4 AND 250.8 LEVEL 2 - HEAVY DUTY, TO GAUGE MINIMUM.
- FIRE DOOR CONSTRUCTION, CONFORM TO ASTM E 152.
- INSTALLED FIRE RATED DOOR ASSEMBLY: CONFORM TO NFPA 80 FOR FIRE RATED CLASS AS SCHEDULED.

1.2 SUBMITTALS

- PROVIDE SUBMITTAL OF ALL STEEL DOOR FRAME AND DOOR ASSEMBLIES.

PART 2 - PRODUCTS

2.1 MATERIALS

- STEEL SHEET, ASTM A 369, COLD ROLLED.
 - DOOR CORE: RESIN IMPREGNATED FIBROUS HONEYCOMB OR VERTICAL STEEL STIFFENERS.
- ##### 2.2 FABRICATION
- FABRICATE DOORS AND FRAMES IN ACCORDANCE WITH SMI 117 AND ANSI/SDF 250.8.
 - FABRICATE WITH INTERNAL REINFORCEMENT FOR HARDWARE WELDED IN PLACE.
 - DOORS: FILL VOIDS BETWEEN VERTICAL STEEL STIFFENERS WITH BATT INSULATION.
 - FRAMES:
 - PROVIDE SELF-ALIGNING TABS AND SLOTS TO HOLD CORNERS IN ALIGNMENT.
 - PROVIDE ANCHOR AT EACH JAMB FOR EACH 30 INCHES OF DOOR HEIGHT OR FRACTION THEREOF.

PART 3 - EXECUTION

- FINISH: CHEMICALLY TREAT AND CLEAN; APPLY MANUFACTURER'S STANDARD PRIME COATING.

3.1 INSTALLATION

- INSTALL IN ACCORDANCE WITH DMI REQUIREMENTS.

SECTION 08210 - WOOD DOORS

PART 1 - GENERAL

1.1 QUALITY ASSURANCE

- FIRE DOOR CONSTRUCTION, CONFORM TO ASTM E 152.
- INSTALLED FIRE RATED DOOR ASSEMBLY: CONFORM TO NFPA 80 FOR FIRE RATED CLASS AS SCHEDULED.

1.2 SUBMITTALS

- SHOP DRAWINGS: SUBMIT SHOP DRAWINGS INDICATING LOCATION, SIZE, THICKNESS, AND HAND OF EACH DOOR, ALONG WITH ALL OTHER RELEVANT DATA FOR COORDINATION WITH FRAMES AND HARDWARE.

1.3 WARRANTY

- MANUFACTURER'S STANDARD FORM SIGNED BY MANUFACTURER, INSTALLER, AND CONTRACTOR, IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE DOORS THAT ARE DEFECTIVE IN MATERIALS OR WORKMANSHIP FOR THE LIFE OF THE ORIGINAL INSTALLATION OF THE DOOR.

PART 2 - PRODUCTS

2.1 MATERIALS

- FLUSH WOOD VENEER DOORS: AM SECTION 1306.
 - FIRE RATED: TYPE FD-5, - FIRE DOOR, WHERE REQUIRED.
 - SOLID CORE, NON-RATED: TYPE PC-5 OR PC-7, PARTICLEBOARD CORE WITH STILES AND RAILS BONDED TO CORE.
 - SOLID CORE, TYPE SH: STANDARD HOLLOW CORE.
 - GRADE: CUSTOM (GRADE A FACES).
 - FACE VENEERS:
 - TRANSPARENT FINISH: REFER TO DRAWINGS, BOOK MATCHED VENEERS.
 - OPAQUE FINISH: CLOSE GRAIN HARDWOOD.
- PLASTIC LAMINATE FACED DOORS: AM SECTION 1306.
 - FIRE RATED: AM TYPE FD-5, FIRE DOOR, WHERE REQUIRED.
 - SOLID CORE, NON-RATED: AM TYPE PC-HPOL-5, PARTICLEBOARD CORE WITH STILES AND RAILS BONDED TO CORE.
 - SOLID CORE, TYPE SHC, STANDARD HOLLOW CORE.
 - GRADE: CUSTOM.
 - FACINGS: NEMA LD-5, GENERAL PURPOSE TYPE HIGH PRESSURE PLASTIC LAMINATE; REFER TO DRAWINGS FOR COLORS.

2.2 FABRICATION

- FACTORY FIT DOORS TO SLIT FRAME, OPENING SIZES INDICATED.
 - COMPLY WITH CLEARANCE REQUIREMENTS OF REFERENCED QUALITY STANDARD FOR FITTING.
- FACTORY MACHINE DOORS FOR HARDWARE THAT IS NOT SURFACE APPLIED. LOCATE HARDWARE TO COMPLY WITH DIMENSIONS UNLESS OTHERWISE INDICATED TO MATCH EXISTING FRAME HARDWARE PREPARATIONS.
 - COORDINATE MEASUREMENTS OF HARDWARE MORTISES IN METAL FRAMES TO VERIFY DIMENSIONS AND ALIGNMENT BEFORE FACTORY MACHINING.
 - LOCATE LOCK AND LATCHSETS IN DOORS TO MATCH EXISTING STRIKE LOCATIONS ON EXISTING DOOR FRAMES; LOCATE HINGES IN DOORS TO MATCH HINGE LOCATIONS ON EXISTING DOOR FRAMES.

2.3 FACTORY FINISHING

- GENERAL: FINISH DOORS AT FACTORY THAT ARE INDICATED TO RECEIVE TRANSPARENT FINISH.
- GRADE: CUSTOM.
- FINISH: MANUFACTURER'S STANDARD FINISH WITH PERFORMANCE MEETING OR EXCEEDING EITHER AM SYSTEM TR-4 CONVERSION VARNISH OR AM SYSTEM TR-6 CATALYZED POLYURETHANE. PROVIDE WITH SATIN SHEEN AND OPEN GRAIN EFFECT.

PART 3 - EXECUTION

3.1 INSTALLATION

- HARDWARE: APPLY HARDWARE TO NEW DOORS IN ACCORDANCE WITH HARDWARE MANUFACTURER'S INSTRUCTIONS.

- GENERAL DOOR INSTALLATION STANDARDS: INSTALL DOORS IN LOCATIONS INDICATED TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND REFERENCED QUALITY STANDARD.
- FACTORY FINISHED DOORS: ALIGN IN FRAMES FOR UNIFORM CLEARANCE AT EACH EDGE. MATCHING CLEARANCES SPECIFIED FOR FACTORY PREFITTING, AND TO CONTACT STOPS UNFORMALLY FIELD CUTTING, FITTING OR TRIMMING, IF REQUIRED, SHALL BE EXECUTED IN A WORKMANLIKE MANNER.
- FACTORY FINISHED DOORS: RESTORE FINISH BEFORE INSTALLATION IF FITTING OR MACHINING IS REQUIRED AT PROJECT SITE.

SECTION 08311 - ACCESS DOORS AND FRAMES

PART 1 - GENERAL

- INSTALL ACCESS DOORS WHERE REQUIRED TO ACCESS EQUIPMENT AND CONTROLS INSIDE OTHERWISE INACCESSIBLE CONSTRUCTION.

1.2 QUALITY ASSURANCE

- FIRE-RATED ACCESS DOORS AND FRAMES: UNITS COMPLYING WITH NFPA 80 AND THAT ARE LABELED AND LISTED BY UL, ITS, OR ANOTHER TESTING AND INSPECTING AGENCY.
 - VERTICAL ACCESS DOORS: NFPA 252.
 - HORIZONTAL ACCESS DOORS AND FRAMES: ASTM E 119.

PART 2 - PRODUCTS

2.1 MATERIALS

- STEEL PLATES, SHAPES, AND BARS: ASTM A 36/A 36M.
- HOT DIP GALVANIZED STEEL: COAT TO COMPLY WITH ASTM A 123/A 123M FOR STEEL AND IRON PRODUCTS AND ASTM A 153/A 153M FOR STEEL AND IRON HARDWARE.

2.2 ACCESS DOORS AND FRAMES

- FLUSH ACCESS DOORS AND TRIMLESS FRAMES:
 - PRIME-PAINTED STEEL SHEET FOR GYPSUM BOARD WALL INSTALLATIONS.
 - DOOR: MINIMUM 0.060-INCH (1.5-MM) THICK SHEET METAL, SET FLUSH WITH SURROUNDING FINISH SURFACES. FRAME: MINIMUM 0.060-INCH (1.5-MM) THICK SHEET METAL, WITH BEAD FOR TYPE OF SURFACE INDICATED.
 - HINGES: SPRING-LOADED CONCEALED PIN TYPE, LATCH: SCREWDRIVER OPERATED CAM LATCH.
- GLASS REINFORCED DRYWALL CEILING ACCESS DOORS: INSTALL PRODUCT BY CHICAGO METAL CO.

PART 3 - EXECUTION

3.1 INSTALLATION

- COORDINATE SIZE OF ACCESS DOORS WITH OTHER APPLICABLE TRADES TO MINIMIZE SIZE.
- ADVISE INSTALLERS OF OTHER WORK ABOUT SPECIFIC REQUIREMENTS RELATING TO ACCESS DOOR AND FLOOR DOOR INSTALLATION. SET FRAMES ACCURATELY IN POSITION AND ATTACH SECURELY TO SUPPORTS WITH PLANE OF FACE PANELS ALIGNED WITH ADJACENT FINISH SURFACES.

SECTION 08312 - OVERHEAD CURTAIN DOORS

PART 1 - GENERAL

1.1 PERFORMANCE REQUIREMENTS

- OPERATIONAL LIFE: DESIGN COMPONENTS TO OPERATE FOR NO LESS THAN 20,000 CYCLES AND FOR 10 CYCLES PER DAY.

1.2 QUALITY ASSURANCE

- FIRE-RATED DOOR ASSEMBLIES: COMPLYING WITH NFPA 80. DELTICAL TO ASSEMBLIES TESTED PER 10B, AND LABELED AND LISTED FOR FIRE RATINGS INDICATED.
- ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: CONFORM TO NFPA 70.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- PROVIDE PRODUCTS EQUAL TO MCKEON ROLLING DOOR COMPANY.

2.2 DOOR CURTAIN AND CONSTRUCTION

- DOOR CURTAIN: INTERLOCKING SLATS IN CONTINUOUS LENGTH FOR WIDTH OF DOOR. SLATS OF MATERIAL THICKNESS RECOMMENDED BY DOOR MANUFACTURER FOR PERFORMANCE, SIZE, AND TYPE OF DOOR INDICATED.
 - CURTAIN SLATS: STRUCTURAL-QUALITY, COLD-ROLLED GALVANIZED STEEL SHEETS, ASTM A 153/A 153M WITH 630 (2275) ZINC COATING FLAT PROFILE, INSIDE CURTAIN SLAT FACE TO MATCH MATERIAL OF OUTSIDE METAL CURTAIN SLAT.
 - END LOCKS: LOCATE LOCKS ON EVERY OTHER CURTAIN SLAT FOR CURTAIN ALIGNMENT AND RESISTANCE AGAINST LATERAL MOVEMENT.
 - BOTTOM BAR: CONTINUOUS CHANNEL OR TUBULAR SHAPE, IN MATERIAL MATCHING CURTAIN SLATS.
 - ASTRAGAL: REPLACEABLE, ADJUSTABLE, CONTINUOUS, COMPRESSIBLE GASKET OF FLEXIBLE VINYL, RUBBER, OR NEOPRENE.
 - MOTOR-OPERATED DOORS: WITH COMBINATION BOTTOM ASTRAGAL AND SENSOR EDGE.
- CURTAIN JAMB GUIDES: STEEL ANGLES, OR CHANNELS AND ANGLES, WITH SUFFICIENT DEPTH AND STRENGTH TO RETAIN CURTAIN, TO ALLOW CURTAIN TO OPERATE SMOOTHLY, AND TO WITHSTAND LOADING.
 - COUNTER DOORS: PREVENT METAL-TO-METAL CONTACT AND MINIMIZE NOISE OF TRAVEL WITH CONTINUOUS INTEGRAL WEAR STRIPS AND PREVENT OVER TRAVEL OF CURTAIN WITH REMOVABLE STOPS ON GUIDES.
 - SERVICE DOORS: BUILD UP UNITS WITH NOT LESS THAN 3/16-INCH (5-MM) THICK GALVANIZED STEEL SECTIONS COMPLYING WITH ASTM A 36/A 36M, AND ASTM A 123. SLOT BOLTS FOR DOOR ADJUSTMENT.

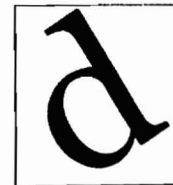
2.3 HOODS AND ACCESSORIES

- HOOD: FORM TO ENCLOSE COILED CURTAIN AND OPERATING MECHANISM AT OPENING HEAD AND ACT AS WEATHERSEAL. PROVIDE CLOSED ENDS FOR SURFACE-MOUNTED HOODS AND FASCIA FOR ANY PORTION OF BETWEEN-JAMB MOUNTING PROJECTING BEYOND WALL FACE. PROVIDE INTERMEDIATE SUPPORT BRACKETS AS REQUIRED TO PREVENT SAG. FABRICATE FROM NOT LESS THAN 0.028-INCH (0.7 MM) THICK, HOT-DIP GALVANIZED STEEL SHEET THAT MATCHES SLAT MATERIAL FOR FIRE-RATED ASSEMBLIES; INCLUDE AUTOMATIC DROP BAFFLE TO GUARD AGAINST PASSAGE OF SMOKE OR FLAME.
- INTEGRAL FRAME, HOOD, AND FASCIA: WELDED ASSEMBLIES.
- PROVIDE WITH ALL MANUFACTURER'S STANDARD OPTIONS INCLUDING, BUT NOT LIMITED TO SMOKE SEALS, SUBEOLDS, COUNTER BALANCING MECHANISMS, CAST AND DOOR OPERATIONS.
- FIRE RATED ASSEMBLIES: WITH AUTOMATIC FIRE-RATE DEVICE OPERATING USING NORMA DOOR OPERATIONS WITH GOVERNOR UNIT COMPLYING WITH REQUIREMENTS A, NFPA 80, WITH EASILY TESTED AND RESET RELEASE MECHANISM, AND DESIGNED TO BE ACTIVATED BY THE FOLLOWING, UNLESS NOTED OTHERWISE: (TEMPERATURE, AND MELTING POINT OF 165 DEG F (74 DEG C) REPLACEABLE FUSIBLE LINKS INTERCONNECTED AND ON BOTH SIDES OF WALL OF DOOR OPENING AND, IF PRESENT, BUILDING FIRE ALARM AND DETECTION SYSTEM AND DOOR-HOLDER-RELEASE DEVICES.
- ELECTRIC DOOR OPERATOR: TYPE, SIZE, AND CAPACITY RECOMMENDED AND PROVIDED BY DOOR MANUFACTURER FOR DOOR SPECIFIED, WITH ELECTRIC MOTOR AND FACTORY-PREWIRED MOTOR CONTROLS, STARTER, GEAR-REDUCTION UNIT, SOLENOID-OPERATED BRAKE, CLUTCH, REMOTE CONTROL STATIONS, CONTROL DEVICES, INTEGRAL CLEARING FOR LOCKING DOOR, DISCONNECT DEVICE, EMERGENCY ALTERNATE OPERATOR, AND ACCESSORIES REQUIRED FOR PROPER OPERATION. COMPLY WITH NFPA 70.

PART 3 - EXECUTION

3.1 INSTALLATION

- INSTALL DOOR AND OPERATING EQUIPMENT COMPLETE WITH NECESSARY HARDWARE, JAMB AND HEAD MOLD STRIPS, ANCHORS, INSERTS, HANGERS, AND EQUIPMENT SUPPORTS.
- LUBRICATE BEARINGS AND SLIDING PARTS; ADJUST DOORS TO OPERATE EASILY, FREE FROM WARP, TWIST, OR DISTORTION FOR ENTIRE PERIMETER.
- ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO TRAIN OWNER'S MAINTENANCE PERSONNEL TO ADJUST, OPERATE, AND MAINTAIN DOORS.



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JOB #: 291-0808
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SCALE:

SHEET NO. SP-3

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BEARING
- 2 INCHES
- EY-IN-FLYER DESIGN
- DOOR SIZES 1 - 4
- D. MANUAL FLUSH BOLTS, PROVIDE FLUSH BOLTS WITH 1" WIDE FROTHS, IN PAIRED SETS (TOP AND BOTTOM), WITH 1/2" DIAMETER FLAT-TOP BOLT TIP AND STANDARD 1/2" ROD. FLUSH BOLTS SHALL FIT ANS A15 4 DOOR AND FRAME PREPARATION. BOLTS TO COMPLY WITH BHMA A156.16, TYPE 1 (1400), 1 (425) OR 1 (240) TURNING MOODS OF PROPER LENGTH TO AFFORD EASY REACH FROM THE FLOOR. FURNISH MANUFACTURER'S STANDARD TOP STRIKES FOR TOP BOLTS.
- E. FLOOR STOPS: CAST HALF DOME DESIGN WITH RUBBER BUMPER, FINISH AS SCHEDULED. PROVIDE MANUFACTURER'S STANDARD RISER HEIGHTS AS REQUIRED FOR CARPETED AREAS IN CONJUNCTION WITH THE FLOOR BUMPERS SCHEDULED.
- F. SILENCERS FOR METAL DOOR FRAMES: BHMA A156.16, TYPE 1 (3031); GREY RUBBER, MINIMUM DIAMETER 1/8 INCH, FABRICATED OR DRILLED-IN APPLICATION TO FRAME, SPECIFICALLY DESIGNED TO FORM AN AIR POCKET TO ABSORB SHOCK AND REDUCE NOISE OF DOOR CLOSING. PROVIDE 2 SILENCERS FOR EACH PAIR OF DOORS, 3 SILENCERS FOR EACH SINGLE DOOR.
- G. WALL STOPS: CAST DISC TYPE WITH CONCAVE RUBBER BUMPER, HAVING A 2-1/2 INCH DIAMETER BASE WITH NOMINAL 1 INCH PROJECTION AND INTERMEDIATE ATTACHMENT TO SUBSTRATE EQUAL TO TRIMCO M127600CS WITH 625 FINISH.
- H. TYPICAL HARDWARE FINISH TO BE SATIN CHROME PLATED, 626, UNLESS NOTED OTHERWISE ON DRAWINGS. COMPLY WITH BHMA A156.16.
- I. OTHER HARDWARE: REFER TO DRAWINGS.
- PART 3 - EXECUTION
- 31 INSTALLATION
- A. INSTALL HARDWARE FOR NON-LABELLED AND NON-SMOKE DOOR ASSEMBLIES IN ACCORDANCE DHI A115 (FOR STEEL DOORS AND FRAMES, DHI A115-W SERIES FOR WOOD DOORS, AND HARDWARE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR DOORS AND FRAMES FABRICATED FROM OTHER THAN STEEL OR WOOD).
- B. MOUNTING HEIGHTS: MOUNT DOOR HARDWARE UNITS AT THE FOLLOWING HEIGHTS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR REQUIRED TO COMPLY WITH GOVERNING REGULATIONS:
- LOCKS AND LATCHES: 36 INCHES TO CENTER OF LEVER FROM FINISH FLOOR.
 - BUTT HINGES: 10 INCHES TO BOTTOM OF LOWEST HINGE FROM FINISH FLOOR; 5 INCHES TO TOP OF UPPER HINGE FROM TOP OF DOOR; SPACE INTERMEDIATE HINGES EQUALLY BETWEEN LOWER AND UPPER HINGES.
 - FLUSH BOLT OPERATING MECHANISMS: TOP BOLT 66 TO 72 INCHES FROM FINISH FLOOR, BOTTOM BOLT 12 INCHES FROM FINISH FLOOR.
- C. INSTALL EACH DOOR HARDWARE ITEM TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. NON-PUBLIC INSTALL OVERHEAD SURFACE CLOSERS FOR MAXIMUM DEGREE OF OPENING OBTAINABLE. PLACE ON ROOM SIDE OF CORRIDOR DOORS, STAIR SIDE OF STAIR DOORS, SECONDARY CORRIDOR SIDE OF DOORS BETWEEN CORRIDORS WHERE CUTTING AND FITTING ARE REQUIRED TO INSTALL DOOR HARDWARE ON TO OR INTO SURFACES THAT ARE LATER TO BE FINISHED. COORDINATE REMOVAL, STORAGE, AND REINSTALLATION OF SURFACE PROTECTIVE TRIM UNITS WITH FINISHING WORK SPECIFIED IN DIVISION 9 SECTIONS. DO NOT INSTALL SURFACE-MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON SUBSTRATES INVOLVED.
- D. DO NOT INS ALL PERMANENT KEY CYLINDERS IN LOCKS UNTIL THE TIME OF PRELIMINARY ACCEPTANCE BY THE OWNER. AT THE TIME OF PRELIMINARY ACCEPTANCE, AND IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, PERMANENT KEY ALL LOCK CYLINDERS. RECORD AND FILE ALL KEYS IN THE KEY CONTROL SYSTEM PROVIDED AND TURN SYSTEM OVER TO OWNER FOR SOLE POSSESSION AND CONTROL.
- E. KEY CONTROL STORAGE SYSTEM SHALL BE INSTALLED WHERE DIRECTED BY THE OWNER.

SECTION 09510 - CERAMIC TILE

PART 1 - GENERAL

1.1 QUALITY ASSURANCE

- A. MOCKUPS: BUILD MOCKUPS TO VERIFY SELECTIONS MADE UNDER SAMPLE SUBMITTALS AND TO DEMONSTRATE AESTHETIC EFFECTS AND QUALITIES OF MATERIALS AND EXECUTION. BUILD MOCKUP OF EACH TYPE OF FLOOR TILE AND WALL INSTALLATION. APPROVED MOCKUPS MAY BECOME PART OF THE COMPLETED WORK IF UNDISTURBED AT TIME OF SUBSTANTIAL COMPLETION.

PART 2 - PRODUCTS

2.1 GENERAL

- A. ALL TILE PRODUCTS IDENTIFIED ON DRAWINGS WILL BE PROVIDED BY OWNER.

2.2 PRODUCTS GENERAL

- A. ANS STANDARDS FOR TILE INSTALLATION MATERIALS: PROVIDE MATERIALS (COMPLYING WITH ANS STANDARDS REFERENCED IN "SETTING AND GROUTING MATERIALS" ARTICLE).

2.3 CRACK-SUPPRESSION MEMBRANES FOR THIN-SET TILE INSTALLATIONS

- A. PROVIDE CUSTOM BUILDING PRODUCTS "REDGUARD" CRACK ISOLATION MEMBRANE.

2.4 SETTING AND GROUTING MATERIALS

- A. MANUFACTURERS: PROVIDE PRODUCTS BY THE FOLLOWING:

1. LAITCHETE INTERNATIONAL INC.

2. MAPLE CORPORATION

- B. LATEX-PORTLAND CEMENT MORTAR (THIN SET): ANS A118.4, CONSISTING OF THE FOLLOWING: PREPACKAGED DRY-MORTAR MIX COMBINED WITH ACRYLIC RESIN OR STYRENE-BUTADIENE-RUBBER LIQUID-LATEX ADDITIVE FOR WALL APPLICATIONS, PROVIDE NONSAGGING MORTAR THAT COMPLIES WITH PARAGRAPH 1-4.6.1 IN ADDITION TO THE OTHER REQUIREMENTS IN ANS A118.4.

- C. POLYMER-MODIFIED TILE GROUT AND A118.7, COLOR AS INDICATED. PROVIDE POLYMER TYPE, EITHER ETHYLENE VINYL ACETATE, IN DRY, REDISPERSIBLE FORM, PREPACKAGED WITH OTHER DRY INGREDIENTS, OR ACRYLIC RESIN OR STYRENE-BUTADIENE RUBBER IN LIQUID-LATEX FORM FOR ADDITION TO PREPACKAGED DRY-GROUT MIX. PROVIDE UNSAGGED GROUT MIXTURE FOR JOINTS 1/8 INCH AND NARROWER. PROVIDE SANDED GROUT MIXTURE FOR JOINTS 1/8 INCH AND WIDER.

2.5 ELASTOMERIC SEALANTS

- A. PROVIDE MANUFACTURER'S STANDARD CHEMICALLY CURING, ELASTOMERIC SEALANTS OF BASE POLYMER. PROVIDE COLORS OF EXPOSED SEALANTS TO MATCH COLORS OF GROUT IN TILE ADJOINING SEALED JOINTS, UNLESS OTHERWISE INDICATED.

2.6 MISCELLANEOUS MATERIALS

- A. THIN-ABLE UNDERLAYMENTS AND PATCHING COMPOUNDS: LATEX-MODIFIED PORTLAND CEMENT-BASED FORMULATION PROVIDED OR APPROVED BY MANUFACTURER OF TILE-SETTING MATERIALS FOR INSTALLATIONS INDICATED.

- B. METAL EDGE STRIPS: ANGLE OR L-SHAPE, HEIGHT TO MATCH TILE AND SETTING-BED THICKNESS, METALLIC OR COMBINATION OF METAL AND PVC OR NEOPRENE BASE, DESIGNED SPECIFICALLY FOR FLOORING APPLICATIONS, WHITE ZINC ALLOY EXPOSED-EDGE MATERIAL.

- C. TILE CLEANER: A NEUTRAL CLEANER CAPABLE OF REMOVING SOIL AND RESIDUE WITHOUT HARMING TILE AND GROUT SURFACES, SPECIFICALLY APPROVED FOR MATERIALS AND INSTALLATIONS INDICATED BY THE TILE AND GROUT MANUFACTURERS.

- D. ENIGHT SEALER: MANUFACTURER'S STANDARD PENETRATING SOLUTION PRODUCT FOR SEALING GROUT JOINTS THAT DOES NOT CHANGE COLOR OR APPEARANCE OF GROUT.

2.7 MIXING MORTARS AND GROUT

- A. MIX MORTARS AND GROUTS TO COMPLY WITH REFERENCED STANDARDS AND MORTAR AND GROUT MANUFACTURER'S WRITTEN INSTRUCTIONS.
- B. ADD MATERIALS, WATER, AND ADDITIVES IN ACCURATE PROPORTIONS.
- C. OBTAIN AND USE TYPE OF MIXING EQUIPMENT, MIXER SPEEDS, MIXING CONTAINERS, MIXING TIME, AND OTHER PROCEDURES TO PRODUCE MORTARS AND GROUTS OF UNIFORM QUALITY WITH OPTIMUM PERFORMANCE CHARACTERISTICS FOR INSTALLATIONS INDICATED.

PART 3 - EXECUTION

3.1 EXAMINATION

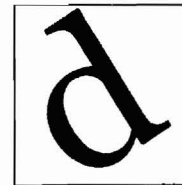
- A. EXAMINE SUBSTRATES, AREAS, AND CONDITIONS WHERE TILE WILL BE INSTALLED, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF INSTALLED TILE.
- B. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.2 PREPARATION

- A. REMOVE COATINGS, INCLUDING CURING COMPOUNDS AND OTHER SUBSTANCES THAT CONTAIN SOAP, WAX, OIL, OR SILICONE, THAT ARE INCOMPATIBLE WITH TILE-SETTING MATERIALS.
- B. PROVIDE CONCRETE SUBSTRATES FOR TILE FLOORS INSTALLED WITH THIN-SET MORTAR THAT COMPLY WITH FLATNESS TOLERANCES SPECIFIED IN REFERENCED ANS A108 SERIES OF TILE INSTALLATION STANDARDS.
- C. BLENDING: FOR TILE EXHIBITING COLOR VARIATIONS WITHIN RANGES SELECTED DURING SAMPLE SUBMITTALS, VERIFY THAT TILE HAS BEEN FACTORY BLENDED AND PACKAGED SO TILE UNITS TAKEN FROM ONE PACKAGE SHOW SAME RANGE OF COLORS AS THOSE TAKEN FROM OTHER PACKAGES AND MATCH APPROVED SAMPLES. IF NOT FACTORY BLENDED, EITHER RETURN TO MANUFACTURER OR BLEND TILES AT PROJECT SITE BEFORE INSTALLING.
- D. TO FACILITATE EASY REMOVAL OF FLOOR TILE IN THE FUTURE, APPLY SKIM COAT OF CRACK ISOLATION MEMBRANE OVER ALL FLOOR AREAS TO RECEIVE CERAMIC TILE.

3.3 INSTALLATION

- A. ANS TILE INSTALLATION STANDARDS: COMPLY WITH PARTS OF ANS A108 SERIES "SPECIFICATIONS FOR INSTALLATION OF CERAMIC TILE" THAT APPLY TO TYPES OF SETTING AND GROUTING MATERIALS AND TO METHODS INDICATED IN CERAMIC TILE INSTALLATION SCHEDULES.
- B. TCA INSTALLATION GUIDELINES: TCA'S "HANDBOOK FOR CERAMIC TILE INSTALLATION" COMPLY WITH TCA INSTALLATION METHODS INDICATED IN CERAMIC TILE INSTALLATION SCHEDULES.
- C. EXTEND TILE WORK INTO RECESSES AND UNDER OR BEHIND EQUIPMENT AND FIXTURES TO FORM COMPLETE COVERING WITHOUT INTERRUPTIONS, UNLESS OTHERWISE INDICATED. TERMINATE WORK NEATLY AT OBSTRUCTIONS, EDGES, AND CORNERS WITHOUT DISRUPTING PATTERN OR JOINT ALIGNMENTS.
- D. ACCURATELY FORM INTERSECTIONS AND RETURNS. PERFORM CUTTING AND DRILLING OF TILE WITHOUT MAKING VISIBLE SURFACES. CAREFULLY GRIND OUT EDGES OF TILE ADJOINING TRIM, FINISH OR BUILT-IN ITEMS FOR STRAIGHT ALIGNED JOINTS. FIT TILE CLOSELY TO ELECTRICAL OUTLETS, PIPING, FIXTURES, AND OTHER PENETRATIONS. SO PLATES, COLLARS, OR COVERS OVERLAP TILE.



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1037 FOREST AVE. REAR
PORTLAND, ME 04103

ISSUE LOG

DESCRIPTION	DATE
FOR REVIEW	08-12-08
FOR PRICING	08-16-08

JOB #: 291-0808
DATE: 08.08.08
SCALE:

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SP-4

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- NON MATCHING
- SECTION 10160 - METAL TOILET COMPARTMENTS
- PART 1 - GENERAL
- 1.1 QUALITY ASSURANCE
- A. CONFORM TO APPLICABLE ACCESSIBILITY CODE FOR LOCATING ACCESSORIES.
- 1.2 SUBMITTALS
- A. PRODUCT DATA: FOR EACH PRODUCT INDICATED.
- B. PRODUCT SCHEDULE: INDICATING TYPES, QUANTITIES, SIZES, AND INSTALLATION LOCATIONS BY ROOM OF EACH ACCESSORY REQUIRED.
- 1.3 WARRANTY
- A. SPECIAL MIRROR WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE MIRRORS THAT DEVELOP VISIBLE SILVER SPOOLAGE DEFECTS WITHIN 10 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
- PART 2 - PRODUCTS
- A. THE DESIGN FOR TOILET AND BATH ACCESSORIES ARE BASED ON PRODUCTS MANUFACTURED BY BOBBYK WASHROOM EQUIPMENT, INC., AND ARE LISTED ON DRAWINGS.
- 2.2 MATERIALS
- A. STAINLESS STEEL
1. SHEET: ASTM A 666, TYPE 304
2. TUBING: ASTM A 259
- B. GALVANIZED STEEL: ASTM A 653/A 653M, G60
- C. MIRROR GLASS: ASTM C 1036 TYPE I, CLASS 1, QUALITY 02
- D. FASTENERS: STAINLESS STEEL THEFT RESISTANT TYPE WHERE EXPOSED, HOT DIP GALVANIZED WHERE CONCEALED FINISHES:
1. STAINLESS STEEL, NO. 4 SATIN.
2. GALVANIZING: ASTM A 123 TO 1.25 OUNCES PER SQUARE FOOT.
3. CHROME PLATING: ASTM B 456, TYPE 50 Z, POLISHED FINISH
- 2.3 KEYS
- A. KEYS: PROVIDE UNIVERSAL KEYS FOR INTERNAL ACCESS TO ACCESSORIES FOR SERVICE AND REORDERING PROVIDE MINIMUM OF FIVE KEYS TO OWNER'S REPRESENTATIVE
- PART 3 - EXECUTION
- A. INSTALL ACCESSORIES USING FASTENERS APPROPRIATE TO SUBSTRATE INDICATED AND RECOMMENDED BY UNIT MANUFACTURER. INSTALL UNITS LEVEL, PLUMB, AND FIRMLY ANCHORED IN LOCATIONS AND AT HEIGHTS INDICATED
1. INSTALL GRAB BARS TO WITHSTAND A DOWNWARD LOAD OF AT LEAST 250 LBS, WHEN TESTED ACCORDING TO METHOD IN ASTM F 448
- B. ADJUST ACCESSORIES FOR UNIFORMED, SMOOTH OPERATION AND VERIFY THAT MECHANISM FUNCTION PROPERLY. REPLACE DAMAGED OR DEFECTIVE ITEMS. REMOVE TEMPORARY LABELS AND PROTECTIVE LOGGINGS
- PREVIOUSLY PAINTED SURFACES: REMOVE LOOSE, FLAKING, POWDERY, AND PEELING PAINTS LIGHTLY SAND GLOSSY PAINTED SURFACES. FILL HOLES, CRACKS, DEPRESSIONS AND OTHER IMPERFECTIONS WITH PATCHING COMPOUND, SAND FLUSH WITH SURFACE. REMOVE OIL, GREASE, AND WAX BY SCRUBBING, SOLVENT WASH AND THOROUGHLY RINSE APPLICATION
- COMPLY WITH PROCEDURES SPECIFIED IN PDCA P4.
- COORDINATION OF WORK: REVIEW OTHER SECTIONS IN WHICH PRIMERS ARE PROVIDED TO ENSURE COMPATIBILITY OF THE TOTAL SYSTEM FOR VARIOUS SUBSTRATES. NOTIFY ARCHITECT ABOUT ANTICIPATED PROBLEMS WHEN USING THE MATERIALS SPECIFIED OVER SUBSTRATES PROVIDED BY OTHERS. APPLY PAINT TO MINIMUM DRY FILM THICKNESS RECOMMENDED BY MANUFACTURER WITHOUT LAPS, SAGS, VOIDS, AND OBJECTIONABLE BRUSH MARKS.
- APPLICATION PROCEDURES: APPLY PAINTS AND COATINGS BY BRUSH, ROLLER, SPRAY, OR OTHER APPLICATIONS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS
- BRUSHES: USE BRUSHES BEST SUITED FOR TYPE OF MATERIAL APPLIED. USE BRUSH OF APPROPRIATE SIZE FOR SURFACE OR ITEM BEING PAINTED.
- ROLLERS: USE ROLLERS OF CARPET, VELVET-BACK, OR HIGH-PILE SHEEPS WOOL, AS RECOMMENDED BY MANUFACTURER FOR MATERIAL AND TEXTURE REQUIRED.
- SPRAY EQUIPMENT: USE AIRLESS SPRAY EQUIPMENT WITH ORIFICE SIZE AS RECOMMENDED BY MANUFACTURER FOR MATERIAL AND TEXTURE REQUIRED.
- DO NOT PAINT SURFACES INDICATED ON DRAWINGS OR SPECIFIED TO BE UNPAINTED OR UNFINISHED, SURFACES WITH FACTORY APPLIED FINISH COAT OR INTEGRAL FINISH, OR ARCHITECTURAL METALS.
- PAINT SCHEDULE
- GYPSONUM BOARD: PROVIDE THE FOLLOWING FINISH SYSTEMS OVER INTERIOR GYPSONUM BOARD SURFACES:
1. FLAT ACRYLIC FINISH: TWO FINISH COATS OVER A PRIMER.
- A. PRIMER: INTERIOR GYPSONUM BOARD PRIMER.
- B. FINISH COATS: INTERIOR FLAT ACRYLIC PAINT
2. LOW-LUSTER ACRYLIC-ENAMEL FINISH: TWO FINISH COATS OVER A PRIMER.
- A. PRIMER: INTERIOR GYPSONUM BOARD PRIMER.
- B. FINISH COATS: INTERIOR LOW-LUSTER ACRYLIC ENAMEL
3. SEMI-GLOSS ACRYLIC-ENAMEL FINISH: TWO FINISH COATS OVER A PRIMER.
- A. PRIMER: INTERIOR GYPSONUM BOARD PRIMER.
- B. FINISH COATS: INTERIOR SEMI-GLOSS ACRYLIC ENAMEL
- WOOD AND HARDBOARD: PROVIDE THE FOLLOWING PAINT FINISH SYSTEMS OVER NEW INTERIOR WOOD SURFACES:
1. SEMI-GLOSS ACRYLIC ENAMEL FINISH: TWO FINISH COATS OVER A WOOD UNDERCOATER.
- A. PRIMER: INTERIOR WOOD PRIMER FOR ACRYLIC-ENAMEL AND SEMI-GLOSS ACRYLIC-ENAMEL FINISHES.
- B. FINISH COATS: INTERIOR SEMI-GLOSS ACRYLIC ENAMEL
- FERROUS METAL: PROVIDE THE FOLLOWING FINISH SYSTEMS OVER FERROUS METAL
1. LOW-LUSTER ACRYLIC-ENAMEL FINISH: TWO FINISH COATS OVER A PRIMER.
- A. PRIMER: INTERIOR FERROUS-METAL PRIMER.
- B. FINISH COATS: INTERIOR LOW-LUSTER ACRYLIC ENAMEL
- ZINC-COATED METAL
1. ACRYLIC FINISH: TWO FINISH COATS OVER A GALVANIZED METAL PRIMER.
- A. PRIMER: INTERIOR GALVANIZED METAL PRIMER.
- B. FINISH COATS: INTERIOR LOW-LUSTER ACRYLIC PAINT

- A. EXAMINE ROUGHING-IN FOR HOSE VALVES, HOSE RACKS, AND CABINETS TO VERIFY ACTUAL LOCATIONS OF PIPING CONNECTIONS BEFORE CABINET INSTALLATION. VERIFY SUITABLE FRAMING DEPTH AND BLOCKING WHERE RECESSED AND SEMI-RECESSED CABINETS ARE TO BE INSTALLED.
- B. INSTALL IN LOCATIONS AND AT MOUNTING HEIGHTS INDICATED OR, IF NOT INDICATED, AT HEIGHTS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
- C. INSTALL DECALS ON VINYL LETTERS "FIRE EXTINGUISHER" AT FINAL COMPLETION ONLY IF REQUIRED BY LOCAL CODE AUTHORITY.

SECTION 10810 - TOILET ACCESSORIES

PART 1 - GENERAL

- 1.1 QUALITY ASSURANCE
- A. CONFORM TO APPLICABLE ACCESSIBILITY CODE FOR LOCATING ACCESSORIES.

1.2 SUBMITTALS

- A. PRODUCT DATA: FOR EACH PRODUCT INDICATED.
- B. PRODUCT SCHEDULE: INDICATING TYPES, QUANTITIES, SIZES, AND INSTALLATION LOCATIONS BY ROOM OF EACH ACCESSORY REQUIRED.

1.3 WARRANTY

- A. SPECIAL MIRROR WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE MIRRORS THAT DEVELOP VISIBLE SILVER SPOOLAGE DEFECTS WITHIN 10 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

PART 2 - PRODUCTS

- A. THE DESIGN FOR TOILET AND BATH ACCESSORIES ARE BASED ON PRODUCTS MANUFACTURED BY BOBBYK WASHROOM EQUIPMENT, INC., AND ARE LISTED ON DRAWINGS.

2.2 MATERIALS

- A. STAINLESS STEEL
1. SHEET: ASTM A 666, TYPE 304
2. TUBING: ASTM A 259
- B. GALVANIZED STEEL: ASTM A 653/A 653M, G60
- C. MIRROR GLASS: ASTM C 1036 TYPE I, CLASS 1, QUALITY 02
- D. FASTENERS: STAINLESS STEEL THEFT RESISTANT TYPE WHERE EXPOSED, HOT DIP GALVANIZED WHERE CONCEALED FINISHES:
1. STAINLESS STEEL, NO. 4 SATIN.
2. GALVANIZING: ASTM A 123 TO 1.25 OUNCES PER SQUARE FOOT.
3. CHROME PLATING: ASTM B 456, TYPE 50 Z, POLISHED FINISH

2.3 KEYS

- A. KEYS: PROVIDE UNIVERSAL KEYS FOR INTERNAL ACCESS TO ACCESSORIES FOR SERVICE AND REORDERING PROVIDE MINIMUM OF FIVE KEYS TO OWNER'S REPRESENTATIVE

PART 3 - EXECUTION

- A. INSTALL ACCESSORIES USING FASTENERS APPROPRIATE TO SUBSTRATE INDICATED AND RECOMMENDED BY UNIT MANUFACTURER. INSTALL UNITS LEVEL, PLUMB, AND FIRMLY ANCHORED IN LOCATIONS AND AT HEIGHTS INDICATED
1. INSTALL GRAB BARS TO WITHSTAND A DOWNWARD LOAD OF AT LEAST 250 LBS, WHEN TESTED ACCORDING TO METHOD IN ASTM F 448
- B. ADJUST ACCESSORIES FOR UNIFORMED, SMOOTH OPERATION AND VERIFY THAT MECHANISM FUNCTION PROPERLY. REPLACE DAMAGED OR DEFECTIVE ITEMS. REMOVE TEMPORARY LABELS AND PROTECTIVE LOGGINGS

SECTION 1160 - LOADING DOCK EQUIPMENT

PART 1 - GENERAL

- 1.1 SUMMARY
- A. THIS SECTION INCLUDES THE FOLLOWING
1. DOCK BUMPERS
2. DOCK LEVELERS
3. DOCK SEALS

1.2 SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF LOADING DOCK EQUIPMENT INDICATED. INCLUDE RATED CAPACITIES
- B. MAINTENANCE DATA
- 1.3 QUALITY ASSURANCE
- A. INSTALLER QUALIFICATIONS: A QUALIFIED INSTALLER, APPROVED BY MANUFACTURER TO INSTALL AND MAINTAIN MANUFACTURER'S PRODUCTS
- B. LOCK-LEVELER STANDARD: COMPLY WITH MH 301, "SAFETY, PERFORMANCE, AND TESTING OF DOCK LEVELING DEVICES"
- C. DOCK LIFT STANDARD: COMPLY WITH MH 291, "SAFETY REQUIREMENTS FOR INDUSTRIAL SCISSOR LIFTS"
- D. RECESSED DOCK LEVELERS: COORDINATE SIZE AND LOCATION OF PITS TO ENSURE PROPER CLEARANCES AND OPERATION OF EQUIPMENT

1.4 WARRANTY

- A. DOCK LEVELER SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE DOCK-LEVELER COMPONENTS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN TWO YEARS FROM DATE OF SUBSTANTIAL COMPLETION. WARRANTY SHALL BE FOR UNLIMITED USAGE OF LEVELER FOR SPECIFIED RATED CAPACITY OVER TERM OF WARRANTY.

PART 2 - PRODUCTS

- 2.1 DOCK BUMPERS
- A. PROVIDE PRODUCT EQUAL TO KELLEY 410-14 BUMPER, NATIONAL ACCOUNT CONTACT IS MINER AND ASSOCIATES.
- 2.2 RECESSED DOCK LEVELERS
- A. TYPE: RECESSED, HINGED-LIP-TYPE DESIGNED FOR PERMANENT INSTALLATION IN CONCRETE PITS, PERFORMED IN THE EDGE OF LOADING PLATFORM.
- B. PROVIDE PRODUCT EQUAL TO "KELLEY AFX" DOCK LEVELER, NATIONAL ACCOUNT CONTACT IS MINER AND ASSOCIATES.
- C. RATED CAPACITY: DOCK LEVELERS CAPABLE OF SUPPORTING A TOTAL GROSS LOAD OF 30,000 LBS WITHOUT PERMANENT DEFLECTION OR DISTORTION, AS DETERMINED BY ACTUAL TESTS COMPLYING WITH REQUIREMENTS IN MH 301 FOR RATED CAPACITY.
- D. PROVIDE WITH STANDARD SAFETY DEVICES.
- 2.3 DOCK SEALS

- A. GENERAL: MANUFACTURER'S STANDARD DOCK SEALS (CONSISTING OF FABRIC COVERED FOAM PADS DESIGNED TO COMPRESS UNDER PRESSURE OF TRUCK BODY TO FORM AN AIR-TIGHT SEAL AT JAMBS AND HEAD OF LOADING DOCK OPENING). PROVIDE WITH LAMB AND HEAD PADS OF NET WEIGHTS: HEAD PADS SHALL BE 12 INCHES (305MM) WIDE AND 12 INCHES (305MM) DEEP. SET TO SUIT OPENING HEIGHT.

PART 3 - EXECUTION

- 3.1 INSTALLATION
- A. EXAMINE ROUGHING-IN FOR ELECTRICAL SYSTEMS FOR DOCK EQUIPMENT TO VERIFY ACTUAL LOCATIONS OF CONNECTIONS BEFORE INSTALLATION.
- B. EXAMINE WALLS AND FLOORS OF PITS FOR SUITABLE CONDITIONS WHERE RECESSED DOCK EQUIPMENT IS TO BE INSTALLED. PITS SHALL BE PLUMB AND SQUARE, AND PROPERLY SLOPED FOR DRAINAGE FROM BACK TO FRONT OF DOCK.
- C. ELECTRICAL CONNECTIONS: ROUGH-IN ELECTRICAL CONNECTIONS ACCORDING TO REQUIREMENTS DOCK EQUIPMENT SUPPLIER.
- D. DOCK BUMPERS: ATTACH DOCK BUMPERS TO STRUCTURE IN A MANNER THAT COMPLIES WITH REQUIREMENTS INDICATED FOR SPACING, ARRANGEMENT, AND POSITION RELATIVE TO TOP OF PLATFORM AND ANCHORAGE.
- E. DOCK LEVELERS: SET CURB ANGLES IN CONCRETE WITH TOPS FLUSH WITH PLATFORM. FIT EXPOSED CONNECTIONS TOGETHER TO FORM HAIRLINE JOINTS. ATTACH LEVELER SECURELY TO LOADING PLATFORM CONSTRUCTION. FINISH WITH ADJACENT DOCK SURFACES AND SQUARE TO RECESSED PIT.
- F. DOCK SPALS: ATTACH SUPPORTING FRAMES SECURELY TO BUILDING STRUCTURE IN PROPER RELATION TO OPENINGS, DOCK BUMPERS, AND DOCK LEVELERS TO ENSURE COMPRESSION OF DOCK SEALS WITHIN TRUCKS ARE POSITIONED AGAINST DOCK BUMPERS.
- G. TEST DOCK LEVELERS AND LIFTS FOR VERTICAL TRAVEL WITHIN OPERATING RANGE INDICATED.

SECTION 10820 - FIRE-PROTECTION SPECIALTIES

PART 1 - GENERAL

1.1 QUALITY ASSURANCE

- A. NFPA COMPLIANCE: FABRICATE AND LABEL FIRE EXTINGUISHERS TO COMPLY WITH NFPA 10, "STANDARD FOR PORTABLE FIRE EXTINGUISHERS."

PART 2 - PRODUCTS

2.1 MATERIALS

- A. COIL-ROLLED STEEL SHEET: ASTM A 36/A 36M CARBON STEEL, COMMERCIAL QUALITY, STRETCHER LEVELLED, TEMPER ROLLED
- 2.2 PORTABLE FIRE EXTINGUISHERS
- A. IDENTIFICATION: LETTERING TO COMPLY WITH AUTHORITIES HAVING JURISDICTION FOR LETTER STYLE, COLOR, SIZE, SPACING, AND LOCATION
- B. MULTIPURPOSE DRY-CHEMICAL TYPE: UL-RATED 2-A-10-B-C, 5-LB NOMINAL CAPACITY, IN ENAMELED STEEL CONTAINER.

2.3 FIRE-PROTECTION RECESSED CABINETS

- A. FIRE PROTECTION RECESSED CABINET CONSTRUCTION: PROVIDE MANUFACTURER'S STANDARD BOX (TUB), WITH TRIM, FRAME, DOOR, AND HARDWARE TO SUIT CABINET TYPE.
- B. FIRE-RATED CABINETS: LISTED AND LABELED TO MEET REQUIREMENTS IN ASTM E 814 FOR FIRE RESISTANCE. RATING OF WALL WHERE IT IS INSTALLED.
- C. EXPOSED TRIM: ONE-PIECE COMBINATION TRIM AND PERIMETER DOORFRAME OVERLAPPING SURROUNDING WALL SURFACE WITH EXPOSED TRIM FACE AND WALL RETURN AT OUTER EDGE (BACKBEND). PROVIDE FLAT TRIM FOR RECESSED CABINETS.
- D. DOOR STYLE: VERTICAL GLASS PANEL WITH FRAME.

2.4 FINISHES

- A. STEEL: FACTORY PRIMING FOR FIELD-PAINTED FINISH

PART 3 - EXECUTION

- 3.1 INSTALLATION

BEFORE TO

FINISH FLOOR WITH

ALL ABRASIVE AREAS