

**City of Portland, Maine - Building or Use Permit Application**

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

<b>PERMIT ISSUED</b>		CBL: <b>3</b>
Permit No: <b>02-0489</b>	Issue Date: <b>MAY 15 2002</b>	444 A00500B

Location of Construction: <b>Commercial St</b>	Owner Name: <b>City of Portland</b> <b>Casco Bay Garage Assoc</b>	Owner Address: <b>Po Box 7525 Drs</b>	Phone:
Business Name:	Contractor Name: <b>Cianbro Corp.</b>	Contractor Address: <b>328 W. Commercial Street Portland</b>	Phone: <b>2077735852</b>
Lessee/Buyer's Name	Phone:	Permit Type: <b>Alterations - Commercial</b>	Zone: <b>WPDZ</b>

Past Use: <b>Vacant</b> <i>Previous office space</i>	Proposed Use: <b>Office Space</b>	Permit Fee: <b>\$0.00</b>	Cost of Work: <b>\$0.00</b>	CEO District: <b>1</b>
Proposed Project Description: <b>Tenant Fit Up for Office Space</b>		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <b>B</b> Type: <b>2C</b>	
		Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	
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: <b>jodinea</b>	Date Applied For: <b>05/06/2002</b>	<b>Zoning Approval</b>
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<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building permits do not include plumbing, septic or electrical work.</li> <li>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..</li> </ol>	<b>Special Zone or Reviews</b> <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"/> Date: <i>5/14/02</i>	<b>Zoning Appeal</b> <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: _____	<b>Historic Preservation</b> <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 Date: _____
	<i>Separate permits required for New Signage</i>		

**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

Application ID Number: 2-0489

Department: Zoning Status: Approved with Conditions Reviewer: Marge Schmuckal

Comments: 40 Commercial St. Approval Date: 05/14/2002

Action On Date: 05/10/2002

OK to Issue Permit Name: Marge Schmuckal Date: 05/14/2002

Department Location: [Redacted]

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

Separate permits shall be required for any new signage.

Create Date: 05/09/2002 By: jodinea Update Date: 05/14/2002 By: mes

02-0489

# All Purpose 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>40 Commercial St</u>		
Total Square Footage of Proposed Structure <u>Existing 27,000</u>	Square Footage of Lot <u>NA</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>444</u> Block# <u>A</u> Lot# <u>5</u>	Owner: <u>City of Portland</u>	Telephone:
Lessee/Buyer's Name (If Applicable) <u>NA</u>	Applicant name, address & telephone: <u>Scott Beatty - Cranbro Corp. 328 W. Commercial St. Portland, ME 04102</u>	Cost Of Work: \$ <u>N/A</u> Fee: \$ <u>CITY BUILDING PROJECT</u>
Current use: <u>Vacant</u>		
If the location is currently vacant, what was prior use: <u>Office</u>		
Approximately how long has it been vacant: <u>6 Months</u>		
Proposed use: <u>Office</u>		
Project description: <u>- TENANT FIT UP -</u>		
Contractor's name, address & telephone:		
Who should we contact when the permit is ready: <u>Scott Beatty 553-2717</u>		
Mailing address: <u>Same as above</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. <b>PHONE:</b>		

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

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 of applicant: <u>Scott J. Beatty</u>	Date: <u>5/1/02</u>
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This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall.

DEPT. OF BUILDING INSPECTION

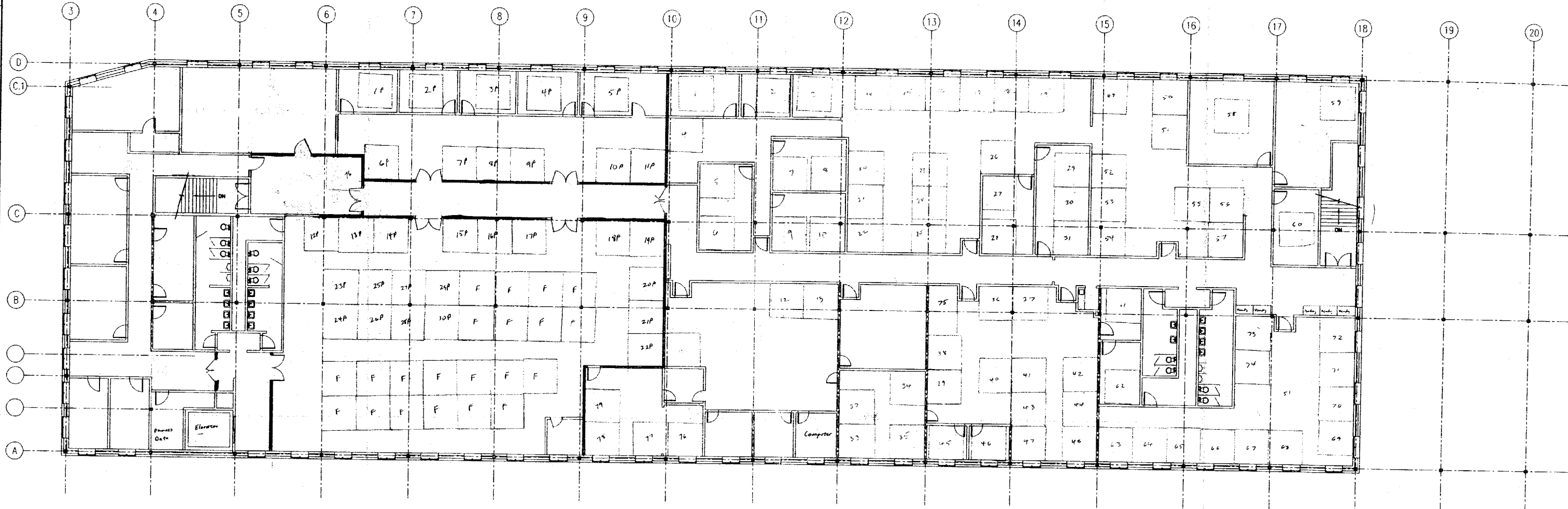
RECEIVED

TOTAL SF = 27000, Common=134-3500sf, City=94-2200sf, Cianbro=784-21,300			RENT CREDITS		CIANBRO		Comments	
		QTY	TOT COST	%	VALUE	%	VALUE	
49	C	ELEVATOR SILL ANGLES	2 EA \$1,184	100%	\$1,184	0%	\$0	Lanings will require steel sill angles to ensure a level platform during elevator offloading.
50	C	PIT LADDER	1 EA \$496	100%	\$496	0%	\$0	Elevator pit will receive a new steel ladder per code requirements
51	BI	PIT WATERPROOFING	1 EA \$2,300	100%	\$2,300	0%	\$0	Apply cementitious waterproof coating at existing elevator pit as required
52	C	ELEVATOR RAIL SUPPORTS	2 EA \$4,345	100%	\$4,345	0%	\$0	Existing shaft is larger than required for the new elevator, so new support steel across the opening so new support steel will be utilized for anchoring of the elevator
53	C	ELEVATOR HOIST BEAM	1 EA \$1,515	100%	\$1,515	0%	\$0	A hoist beam will be installed at the elevator penthouse to lower elevator equipment into the shaft area
54	C	ELEVATOR MACHINE RM	650 SF \$1,300	100%	\$1,300	0%	\$0	Recondition existing bathroom beside elevator into an elevator machine room per code requirements.
55	C	DEMO IN ELEVATOR ROOM	1 LS \$1,370	100%	\$1,370	0%	\$0	12. Remove elevator steel structural supports and equipment to accommodate new elevator and permit reconstruction of existing elevator shaft
56	C	ELEVATOR DEMO	1 EA \$5,000	100%	\$5,000	0%	\$0	Existing freight elevator will be decommissioned and remove from the site
57	C	WALLS AT ELEV DOORS	2 EA \$400	100%	\$400	0%	\$0	New passenger elevator will require smaller doors. The existing be will limited areas to accommodate the new elevator door frames.
<b>MECHANICAL</b>								
58	C	FIRE PROTECTION	1 LS \$49,950	100%	\$49,950	0%	\$0	Existing fire protection system will be tested for leaks and damage. All damaged piping and heads will be replaced as required. Existing 1/2" sprinkler drops from the sprinkler main pipe to the ceiling will be replaced with 1" pipe to meet code.
59	BI	HVAC - OFFICE	9 EA \$116,500	100%	\$116,500	0%	\$0	Five existing roof top cooling units and four (4) existing evaporative cooling units servicing the Office area will be disconnected and removed. Nine (9) new Carrier packaged gas/electric air conditioning units will be installed at the roof
60	SH	HVAC - WAREHOUSE	2 EA \$18,550	100%	\$18,550	0%	\$0	Warehouse area will have gas piping run to support two temporary gas fired heaters in first section of warehouse.
<b>ELECTRICAL</b>								
61	BI	Roof repair misc elect	1 LS \$368	100%	\$368	0%	\$0	Misc roof electrical disconnects for electrical equipment
62	BI	Elect for roof HVAC units	1 LS \$2,137	100%	\$2,137	0%	\$0	Disconnect roof HVAC units. Repower new roof HVAC units.
63	?	Demo shore power	1 LS \$5,614	100%	\$5,614	0%	\$0	Disconnect and Demo roof run shore power conduits and cables from source to shore power before it goes under dock.
64	C	Demo existing elevator and feed	1 LS \$2,802	100%	\$2,802	0%	\$0	Demo existing Elevator power back to source.
65	C	New elevator power feed	1 LS \$5,032	100%	\$5,032	0%	\$0	Install new elevator power feed.
66	C	New elevator fire alarm	1 LS \$1,096	100%	\$1,096	0%	\$0	Install new elevator fire detection
67	C	New elevator tel lines	1 EA \$398	100%	\$398	0%	\$0	Install new elevator phone lines
68	SH	Data lines - 10 fiber per 8 location	1 LS \$3,982	22%	\$876	78%	\$3,106	Reconnect/terminate and test fiber to data closets on second floor, and to remote locations at remote dock. 10 fibers at each location.
69	BI	Clean light fixtures on first floor	70 EA \$1,044	100%	\$1,044	0%	\$0	Clean all light fixtures on the first floor, no repair or relamping included. Assume cleaning will meet osha requirements for light
70	BI	Clean / relamp fixtures on 2nd floor	375 EA \$9,103	100%	\$9,103	0%	\$0	Clean and re-lamp existing light fixtures on the second floor to meet osha lighting requirements. Old lamps will be turned over to the city.
71	SH	Light fixtures repair & replace	300 EA \$19,672	40%	\$7,869	60%	\$11,803	Fix or replace broken fixtures on second and first floors.
72	C	Add battery packs 120/12v	14 EA \$3,348	100%	\$3,348	0%	\$0	Add additional battery packs as required to illuminate exit routes
73	C	Add exit signs 120v	7 EA \$1,255	100%	\$1,255	0%	\$0	Add exit signs as required for exit routes.
74	C	Move existing battery packs	7 EA \$1,287	100%	\$1,287	0%	\$0	Move existing battery packs to illuminate exit routes
75	C	Move exit signs	5 EA \$746	100%	\$746	0%	\$0	Move existing exit signs to illuminate exit routes
76	C	Modify existing fire alarm panel	1 EA \$6,348	100%	\$6,348	0%	\$0	Modify existing new fire alarm panel to connect / test additional points.
77	C	Fire alarm horn/lt	15 EA \$6,358	100%	\$6,358	0%	\$0	Add additional fire horn light units
78	C	Fire alarm pull stations	6 LS \$2,543	100%	\$2,543	0%	\$0	Add additional fire alarm pull stations on the second floor.
79	SH	Add 120v power panel on 2nd flr	1 LS \$3,782	22%	\$832	78%	\$2,950	Add an additional panel to handle additional 120v receptacles on the second floor.
			\$636,939		\$538,109		\$98,830	
A		GENERAL CONDITIONS	\$22,387	85%	\$18,917	15%	\$3,466	Design costs, plans, clean up, trash removal, permits
B		PERSONEL OH COSTS	\$40,539	85%	\$34,256	15%	\$6,275	COST OF SUPERVISORY PERSONEL
C		CREW SUPPORT COSTS	\$12,574	85%	\$10,625	15%	\$1,946	TOOLS, PER DIEM, SAFETY & INSURANCE COSTS
D		EQUIPMENT	\$3,221	85%	\$2,721	15%	\$499	CONSTRUCTION EQUIPMENT, FORKLIFTS ETC.
E		CORPORATE OVERHEAD	\$53,675	85%	\$45,355	15%	\$8,309	COST OF EXISTANCE
<b>TOTAL COST OF RENOVATIONS</b>			<b>\$769,334</b>		<b>\$649,983</b>		<b>\$119,325</b>	

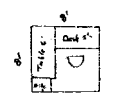
**AMETHYST PROJECT - OFFICE RENOVATION**

18-Apr-02

		TOTAL SF = 27000, Common-114-3500sf, City-94-2200sf, Cianbro-764-21,300			RENT CREDITS		CIANBRO		Comments
		QTY	TOT COST	%	VALUE	%	VALUE		
1	SH SIGNAGE	6 EA	\$3,048	16%	\$488	84%	\$2,560	One sign for city. New signage to identify Cianbro work areas including the Guard House, main building and directional signs for other work areas	
<b>DEMOLITION</b>									
2	BI REMOVE SHORE POWER CONDUITS ON ROOF	1 LS	\$571	100%	\$571	0%	\$0	Remove existing electrical conduits previously used for shore power at roof edge which conflicts with the installation of the new roof system	
3	C REMOVE HOLLOW CORE DOORS	4 EA	\$228	100%	\$228	0%	\$0	Remove all hollow core wood doors, frames and associated hardware as the existing doors do not meet code requirements	
4	SH MISCELLANEOUS DEMO	40 EA	\$1,142	22%	\$251	78%	\$891	Miscellaneous demolition as required for penetrations, electrical and mechanical systems, remove overhead door and frame at Warehouse, etc.	
5	SH REMOVE WALLS	60 LF	\$1,713	90%	\$1,542	10%	\$171	Remove existing interior drywall partitions	
6	SH PARTIAL LIGHT REMOVAL	10 EA	\$571	22%	\$126	78%	\$445	Remove a portion of existing fluorescent light fixtures	
7	C TERMINATE ELECTRICAL	1 LS	\$7,138	100%	\$7,138	0%	\$0	Remove existing telephone, voice and data, fire alarm and electrical lines above ceiling that are not functioning	
8	BI REMOVE FLOOR TILE	0 LS	\$0	100%	\$0	0%	\$0	Remove existing loose and damaged vinyl tile from floor area	
9	BI REMOVE CARPET	9000 SY	\$4,283	100%	\$4,283	0%	\$0	Remove existing glued down carpeting from office areas	
10	BI REMOVE ROOF UNITS	9 EA	\$571	100%	\$571	0%	\$0	Remove existing roof top units and exhaust fans to accommodate new heating system	
11	T REMOVE WOOD OFFICES 1ST	1 EA	\$1,142	0%	\$0	100%	\$1,142	Remove existing temporary wood office spaces at Warehouse area which conflict with warehouse operations	
12	W REMOVE SKYLIGHT	1 EA	\$457	100%	\$457	0%	\$0	Remove existing glass skylight which appears to leak and is not in service below	
13	BI PLUMBING DEMO	2 EA	\$685	100%	\$685	0%	\$0	Remove plumbing fixtures and piping including existing showers, sinks, toilets, etc.	
14	SH TRASH CHUTE	1 EA	\$1,236	21%	\$260	79%	\$976	Install trash chutes to remove debris from second floor to dumpsters located below	
15	SH TRASH CARTS	2 EA	\$117	21%	\$25	79%	\$92	Provide trash carts to assist with removal of debris	
16	SH MISCELLANEOUS MAT	1 LS	\$2,826	21%	\$593	79%	\$2,232	Provide miscellaneous materials such as scaffolding to support the trash chutes, ventilation to aerate the space during demolition, etc	
17	BI PAINT ROADWAYS	250 LF	\$1,000	100%	\$1,000	0%	\$0	Apply pavement markings to delineate Cianbro spaces from City areas	
<b>WAREHOUSE</b>									
18	SH TRAFFIC BARRICADES	10 EA	\$3,784	50%	\$1,892	50%	\$1,892	Barricades to protect crossship passengers from warehouse intersection - City would like to keep theirs when complete	
19	T DOCK PLATE	1 EA	\$1,171	0%	\$0	100%	\$1,171	For warehouse operations	
20	T ROLLING STAIRS	3 EA	\$1,671	0%	\$0	100%	\$1,671	For warehouse operations	
21	T WEIGHT SCALE	1 EA	\$3,614	0%	\$0	100%	\$3,614	For warehouse operations	
22	T SAFETY MIRRORS	4 EA	\$428	0%	\$0	100%	\$428	For warehouse operations	
<b>STEEL</b>									
23	BI MISC SUPPORTS	4 EA	\$1,642	100%	\$1,642	0%	\$0	Miscellaneous supports for stairs, ceilings and walls	
24	BI MISC ROOF SUPPORTS	4 EA	\$2,713	100%	\$2,713	0%	\$0	Steel support for roof top units	
<b>CARPENTRY</b>									
25	C ADA ACCESS	1 LS	\$857	100%	\$857	0%	\$0	Wood trim framing for existing 12'-0"x20'-0" overhead door to meet elevator code requirements	
26	BI DOOR BUCKS	92 LF	\$731	100%	\$731	0%	\$0	Wood door millers to allow anchoring of new hollow metal door frames	
27	BI MISC BLOCKING	50 LF	\$710	100%	\$710	0%	\$0	Miscellaneous wood blocking for cabinets, temporary supports, railings, etc.	
28	T CABINETS	10 LF	\$714	0%	\$0	100%	\$714	New cabinets and countertops for coffee break stations	
<b>MOISTURE PROTECTION</b>									
29	BI EPDM ROOFING - OFFICE	27000 SF	\$80,100	100%	\$80,100	0%	\$0	Remove excess gravel surface coating, apply 2.7" of polyisocyanurate insulation for a R-20 rating and apply a fully adhered EPDM roof membrane at existing Office area. Roof to have 10 year warranty.	
30	BI PATCH WAREHOUSE ROOF	84150 SF	\$75,000	100%	\$75,000	0%	\$0	Existing Warehouse lower roof will have a patching contingency allowance to repair existing leaks	
31	BI FLASH COLUMNS ON ROOF	72 EA	\$4,111	100%	\$4,111	0%	\$0	Flashing for columns projecting through roof.	
32	BI MISC. FLASHING	1 EA	\$2,928	100%	\$2,928	0%	\$0	Provide miscellaneous roof flashings at mechanical equipment curbs and roof edges, etc. to complete the EPDM system	
33	BI REWORK ROOF DRAINS	8 EA	\$1,600	100%	\$1,600	0%	\$0	Rework existing roof drains above office to meet the new roof elevation	
34	BI PATCH ROOF DECK	3 EA	\$2,092	100%	\$2,092	0%	\$0	Patch roof deck at existing skylight and apply roof membrane	
35	BI ADA ACCESS REQUIREMENTS	1 LS	\$428	100%	\$428	0%	\$0	Provide new metal siding to match existing material at limited overhead door	
<b>DOORS &amp; HARDWARE</b>									
36	BI HOLLOW METAL DOORS	62 EA	\$11,130	100%	\$11,130	0%	\$0	Replace existing door hardware to meet code and add 4ea common area doors	
37	BI REPAIR OVER HEAD DOORS	6 EA	\$3,000	100%	\$3,000	0%	\$0	Maintenance and repairs for 6 Over Head doors	
<b>FINISHES</b>									
38	SH GYPSUM DRYWALL	1080 SF	\$3,780	90%	\$3,402	10%	\$378	Install new interior wall partitions consisting of 3-5/8" thick steel studs and a layer of 5/8" type X gypsum drywall on both sides to accommodate the new wall layout	
39	BI PATCH EXISTING WALLS	500 SF	\$325	100%	\$325	0%	\$0	Patch existing gypsum drywall wall partitions adjacent to disturbed work areas with joint compound and/or drywall wallboard	
40	SH ACOUSTICAL CEILINGS	27000 SF	\$19,710	21%	\$4,139	79%	\$15,571	Remove existing ceiling tiles and 6" fiberglass insulation above ceiling, provide minor grid reworking, support and provide replacement ties	
41	T CARPETING	2889 SY	\$25,163	21%	\$5,284	79%	\$19,879	Provide direct glue carpeting at all areas except bathroom locations	
42	T CARPET VINYL BASE	4500 LF	\$4,500	21%	\$945	79%	\$3,555	Provide new vinyl wall base at all interior wall partitions	
43	BI FLOOR PATCHING	350 SF	\$3,500	100%	\$3,500	0%	\$0	Provide vinyl replacement tile to fill missing and damaged tile areas and provide miscellaneous floor patching as required to allow proper carpet installation	
44	T PAINTING	60000 SF	\$19,200	21%	\$4,032	79%	\$15,168	Paint all existing and new wall surfaces with two coats of acrylic eggshell finish, paint all new metal door frames with acrylic semi-gloss finish and paint existing restroom floors with high build acrylic floor coating at Office areas.	
45	T CLEAN & PAINT WAREHOUSE RMS	15000 SF	\$7,500	0%	\$0	100%	\$7,500	Clean and paint existing temporary offices and conference areas at Warehouse space	
<b>SPECIALTIES</b>									
46	C MISC MIRRORS & FIRE EXT.	16 LS	\$1,692	100%	\$1,692	0%	\$0	Four (4) handicap mirrors at washrooms per ADA code and eight (8) 5 lb ABC fire extinguishers per code requirements	
<b>ELEVATORS</b>									
47	C PASSENGER ELEVATOR	1 EA	\$45,890	98%	\$44,972	2%	\$918	New 2500 lb hole less hydraulic single stage. The cab will consist of a stainless steel return, plastic lamin	
48	C FRAME ELEV PENTHOUSE	576 LF	\$699	100%	\$699	0%	\$0	Wood framing at existing roof level elevator penthouse to meet code requirements	



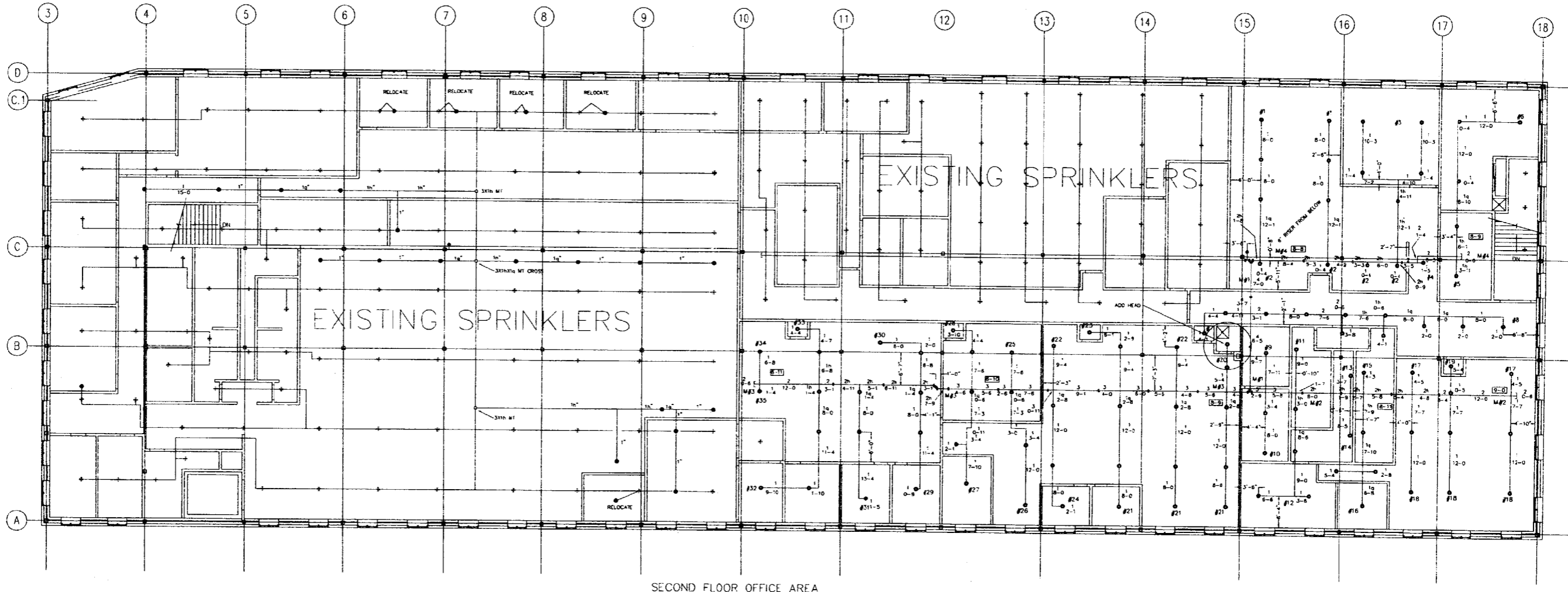
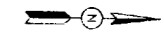
— Denotes new walls  
 Single layer 5/8" Gyp  
 w/ 3 5/8" MtL studs



67 Partitions

A1 SECOND FLOOR PLAN  
 1/8" = 1'-0"

REV.	DESCRIPTION	DATE
CURRENT ISSUE STATUS:		
<b>SMRT</b> ARCHITECTURE ENGINEERING PLANNING <small>SMRT 144 Park Street, P.O. Box 618 Portland, Maine 04104 Tel. (207) 772-2046 Fax. (207) 772-1070</small>		
<b>THE CIAMBRO CORPORATION</b> <b>AMETHYST PROJECT</b> <small>PROJECT: 40 COMMERCIAL STREET PORTLAND, MAINE</small>		
<b>FLOOR PLAN</b> <b>SECOND FLOOR</b>		
SHEET TITLE:		
SCALE: 1/8"=1'-0"	DATE: 03/11/02	
PROJECT MANAGER: J.J.H.	GRAPHIC SCALE: 0"=1'-0"	
JOB CAP/DRAWN: P.J.P.		
A/E OF RECORD: J.J.H.	SHEET No.	
SMRT CAD FILE: AE102-02030		
PROJECT No. 02030		
		<b>AE102</b>



SECOND FLOOR OFFICE AREA

SYSTEM CLASS

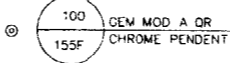
ADD SPRINKLER PROTECTION BELOW SUSPENDED CEILING  
 THIS SYSTEM IS DESIGNED TO MEET NFPA #13 FOR LIGHT HAZARD PIPE SCHEDULE.  
 THE EXISTING UPRIGHT SPRINKLERS TO REMAIN IN PLACE FOR PROTECTION OF THE WOOD ROOF DECK

LEGEND:

- ⊕ EXISTING DRY PENDENT HEADS
- ⊙ CHROME PENDENT ON 1" RETURN BEND
- X'-XX" FLOOR TO CENTERLINE OF PIPE
- TT k=XX TOP OF TRUSS TO CENTERLINE OF PIPE
- BT k=XX BOTTOM OF TRUSS TO CENTERLINE OF PIPE
- HANGER
- RISE OR DROP NIPPLE
- GROOVED COUPLING

GENERAL NOTES:

- ALL DIMENSIONS ARE CENTER TO CENTER U/N
- ALL PIPE TO BE BLACK SCH. 40 THREADED OR SCH. 10 ROLL GROOVED
- ALL SCREWED FITTINGS TO BE STD. WT. C.I. BLACK U/N
- ALL GROOVED FITTINGS TO BE VICTAULIC FIRELOCK U/N
- ALL HANGERS TO BE BLACK STEEL U/N



**DEAN & ALLYN, INC.**  
 FIRE PROTECTION - SPECIAL HAZARD  
 PO BOX 706, ORAY, MAINE 04339  
 (207)657-5646 FAX: (207)657-5647

REV. 0-	APPROVED BY	DATE	SURVEYED BY	DATE	TITLE
			HAK	4/25/02	
			DRAWN BY	DATE	
			DAS	4/25/02	
			CHECKED BY	DATE	
			DAS	4/25/02	
			AT DEAN & ALLYN, INC.		
			SCALE 1/8"=1'-0"		
			SHEET NO. 1 OF 1		

THE CIAMBRO CORPORATION  
 AMETHYST PROJECT  
 40 COMMERCIAL STREET  
 PORTLAND MAINE

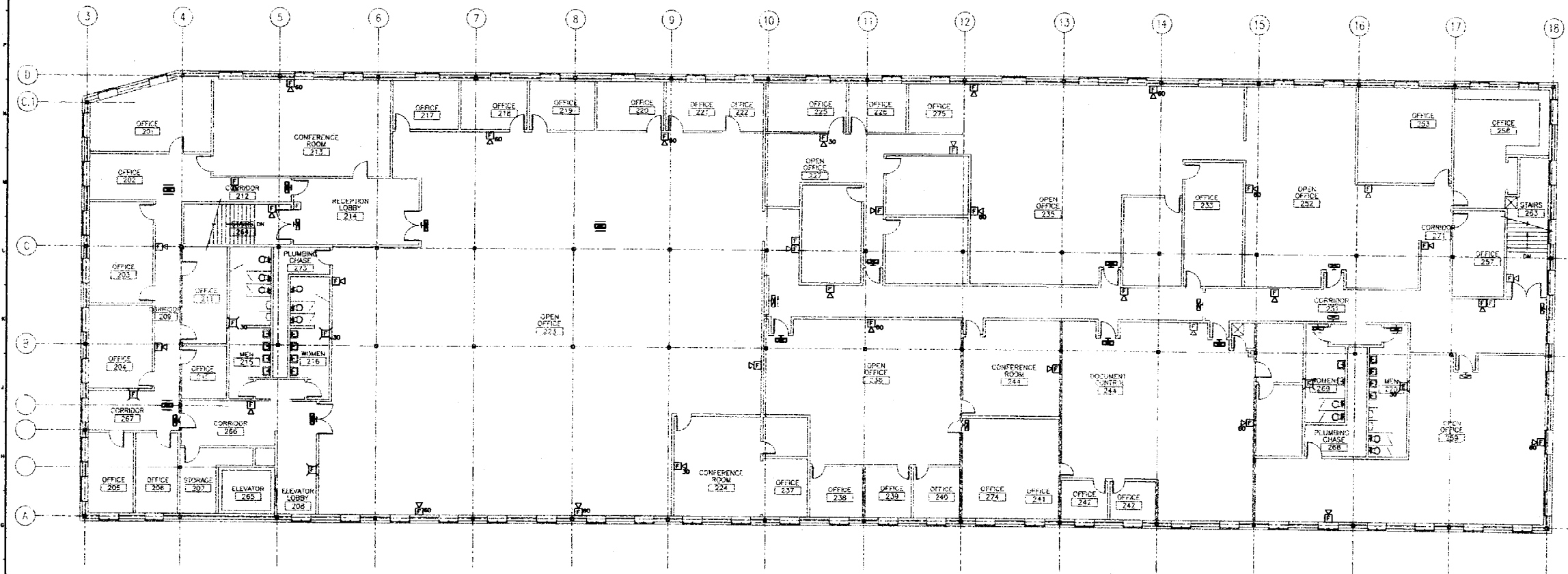
NO. OF SHEETS	100
CONTRACT NO.	100
SHEET NO.	C0204328






- NOTES:**
- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
  - PROVIDE NEW FIRE ALARM CONTROL PANEL COMPATIBLE WITH EXISTING GAMBRO SYSTEM. REMOVE EXISTING PANEL AND RE-INSTALL NEW PANEL IN SAME LOCATION ON FIRST FLOOR.
  - EMERGENCY EXIT SIGNS SHALL BE POWERED FROM LOCAL LIGHTING CIRCUIT.

LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MFR.	LAMPS	MOUNTING	NOTES
EM	THERMOPLASTIC LED EXIT SIGN WITH UNIVERSAL MOUNT. PROVIDE WITH EMERGENCY BATTERY UNIT.	DUALITE LX	LED	AS SHOWN ON DRAWING	



ISSUED FOR PERMITTING	4-9-02
DESCRIPTION	DATE
<b>ISSUED FOR PERMITTING</b>	
<b>4-9-02</b>	
CURRENT ISSUE STATUS	
 <b>SMRT</b> ARCHITECTURE ENGINEERING PLANNING 144 First Street, P.O. Box 418 Portland, Maine 04101 Tel: (207) 771-3846 Fax: (207) 771-1870	
<b>THE GAMBRO CORPORATION</b> <b>AMETHYST PROJECT</b> PROJECT: 40 COMMERCIAL STREET PORTLAND, MAINE	
<b>SECOND FLOOR</b> <b>FIRE ALARM PLAN</b>	
SHEET TITLE:	DATE: 4-9-02
SCALE: 1/8" = 1'-0"	GRAPHIC SCALE: 1" = 10'
PROJECT MANAGER: AJM	
JOB CAP/DRAWN: BGC	
A/E OF RECORD: TOM	SHEET No.
SMRT CAD FILE: FA102-02030	FA101
PROJECT No. 02030	

**A1 SECOND FLOOR PLAN**  
1/8" = 1'-0"

**LIGHTING**

- 244 FLUORESCENT FIXTURE ASSOCIATED CONTROL DEVICE FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- 1/4 FLUORESCENT FIXTURE
- 3/2 FLUORESCENT FIXTURE
- FIXTURE WIRED TO UNSWITCHED NORMAL CIRCUIT
- FIXTURE WIRED TO UNSWITCHED EMERGENCY CIRCUIT
- DOWN LIGHT
- FLUORESCENT STRIP
- WALL MOUNTED FIXTURES
- TRACK LIGHTING
- POLE MOUNTED SITE LIGHTING FIXTURE FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- FLOOD LIGHT
- WALL WASH LIGHT FIXTURE
- EXIT SIGN, CEILING MOUNTED ARROW INDICATES ESCAPE DIRECTION SHADING INDICATES SIGN FACE
- EXIT SIGN, WALL MOUNTED SHADING INDICATES SIGN FACE
- DUAL HEAD EMERGENCY LIGHT BATTERY PACK TO - TIME DELAY RESET
- REMOTE EMERGENCY LIGHTING HEAD
- WALL PACK
- 3-WAY TOGGLE SWITCH
- S<sub>1</sub> SINGLE POLE TOGGLE SWITCH INDICATES CONTROLLED FIXTURE
- S<sub>2</sub> 4-WAY TOGGLE SWITCH
- S<sub>2</sub> DUAL LEVEL SWITCHING
- S<sub>2</sub> DIMMER SWITCH, INCANDESCENT OR FLUORESCENT AS REQUIRED
- S<sub>2</sub> TOGGLE SWITCH WITH PILOT LIGHT
- S<sub>2</sub> TIMER SWITCH, SPRING WOUND
- S<sub>2</sub> SINGLE POLE DOUBLE THROW TOGGLE SWITCH, CENTER POSITION OFF
- S<sub>2</sub> WEATHER PROOF
- S<sub>2</sub> EXPLOSION PROOF
- UNSWITCHED CONTINUATION OF BRANCH CIRCUIT
- HOME RUN
- OCCUPANCY SENSOR 0 - INDICATES CONTROLLED FIXTURE INDICATES BEAM DIRECTION
- OCCUPANCY SENSOR RELAY

**COMMUNICATION & DATA SYSTEMS**

- TELEPHONE SYSTEM WALL JACK, MOUNT 18" AFT 0 - INDICATES WALL MOUNTED AT 18" AFT P - INDICATES PAYPHONE
- DATA SYSTEM OUTLET, MOUNT 18" AFT
- VOICE/DATA SYSTEM OUTLET
- UNDERFLOOR TELEPHONE SYSTEM OUTLET
- UNDERFLOOR DATA SYSTEM OUTLET
- UNDERFLOOR VOICE & DATA OUTLET
- CABLE TELEVISION SYSTEM OUTLET, MOUNT 18" AFT UNLESS OTHERWISE NOTED
- CLOSED CIRCUIT TELEVISION OUTLET, MOUNT 18" AFT UNLESS OTHERWISE NOTED
- PAGING SYSTEM CONTROL PANEL AND PAGING AMPLIFIER
- PAGING SYSTEM SPEAKER, CEILING MOUNTED 7'-8" AFT
- PAGING SYSTEM SPEAKER, WALL MOUNT AT 7'-8" AFT 1. FLUSH 2. SURFACE 3. HORN 4. DUAL HORN
- VOLUME CONTROL
- INTERCOM SYSTEM HAND KEY
- CLOCK SPEAKER
- INTERCOM SYSTEM HAND SET
- WALL MOUNTED CLOCK
- CEILING MOUNTED TELEPHONE SYSTEM OUTLET
- CEILING MOUNTED DATA SYSTEM OUTLET
- CEILING MOUNTED VOICE & DATA OUTLET

**POWER**

- NON-FUSED SAFETY SWITCH NEMA ENCLOSED RATING AMPERE RATING
- FUSED SAFETY SWITCH, TOP NUMBER INDICATES SWITCH AMPERE RATING, LOWER NUMBER INDICATES FUSE RATING NEMA ENCLOSED
- MAGNETIC MOTOR STARTER, FVAR UNLESS INDICATED OTHERWISE NEMA ENCLOSED RATING (TYPICAL) NEMA SIZE
- COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING/NEMA STARTER SIZE
- COMBINATION FUSED DISCONNECT/MAGNETIC MOTOR STARTER NUMBER INDICATES DISCONNECT AMPERE RATING/FUSE RATING/NEMA STARTER SIZE
- NON-FUSED DISCONNECT/MAGNETIC MOTOR STARTER NUMBER INDICATES DISCONNECT AMPERE RATING/NEMA STARTER SIZE
- MANUAL MOTOR STARTER, TOGGLE OPERATED, 1, 2 OR 3 POLE AS REQUIRED
- ENCLOSED CIRCUIT BREAKER AMPERE RATING
- ELECTRIC MOTOR, NUMBER INDICATES HORSEPOWER RATING
- EXPLOSION PROOF MOTOR
- VARIABLE AIR VOLUME CONTROL ACTUATORS
- LOCK, SELECTOR SWITCH H/O/A - HAND/OFF/AUTO
- EMERGENCY OFF BREAK GLASS STATION
- PUSH BUTTON STATION
- JUNCTION BOX
- TRANSFORMER
- POWER POLE
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- EY CONDUIT SEAL
- DUPLEX RECEPTACLE, NEMA 5-20R, INSTALLED ON EMERGENCY CIRCUIT (TYPICAL) GFI DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE GFI DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE GATED GROUND DUPLEX RECEPTACLE, NEMA 5-20R
- SINGLE DUPLEX RECEPTACLE, NEMA 5-20R
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R
- SWITCHED RECEPTACLE
- FLOOD OUTLET, DUPLEX RECEPTACLE, NEMA 5-20R
- POWER RECEPTACLE, 480 VOLT NEMA CONFIGURATION AS NOTED
- POWER RECEPTACLE, 240 VOLT NEMA CONFIGURATION AS NOTED
- PANELBOARD, NORMAL POWER
- PANELBOARD, EMERGENCY POWER
- MULTI OUTLET ASSEMBLY

**GROUNDING**

- GROUND ROD
- EXOTHERMIC WELD CONNECTION
- BOLTED CONNECTION
- BARE COPPER CONDUCTOR RUN EXPOSED
- BARE COPPER CONDUCTOR EMBEDDED IN CONCRETE OR BURIED

**NURSE CALL SYSTEM**

- NURSE CALL CALL LIGHT
- PATIENT CALL BUTTON
- NURSE CALL PULL CORD
- NURSE CALL MASTER STATION

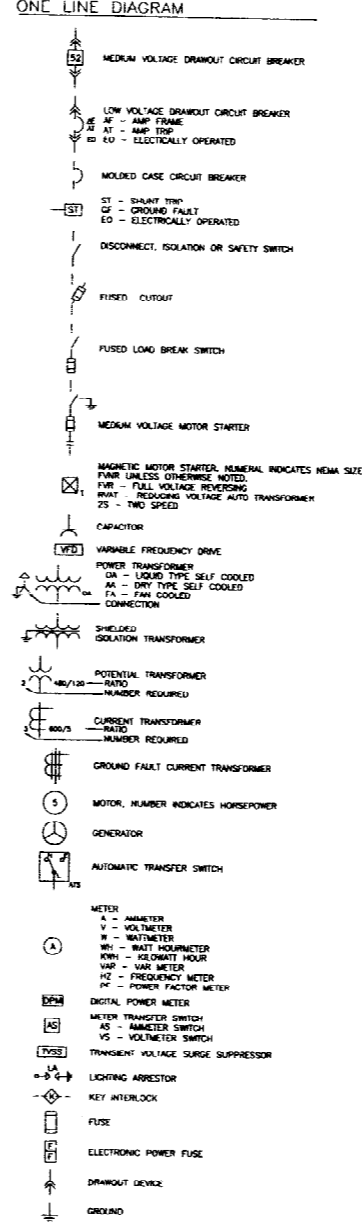
**FIRE ALARM**

- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR
- FIRE ALARM MASTER BOX
- FIRE ALARM MANUAL PULL STATION
- FIRE ALARM SPEAKER/STROBE UNIT
- FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (GENERAL EVACUATION)
- FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (LOCAL)
- FIRE ALARM VOICE ONLY NOTIFICATION APPLIANCE
- CANDLE WIRE/ST-15/75 (NEMA 5) OTHERWISE NOTED
- PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED INDICATES AUXILIARY CONTACT
- FIXED TEMPERATURE HEAT DETECTOR, CEILING MOUNTED
- INDICATES EQUIPMENT INTERLOCKED WITH THE DETECTOR
- CLEAN ROOM SMOKE DETECTOR
- INDICATES EQUIPMENT INTERLOCKED WITH THE SMOKE DETECTOR
- COMBINATION RATE-OF-RISE/FIXED TEMPERATURE HEAT DETECTOR, CEILING MOUNTED
- DUCT SMOKE DETECTOR, PHOTOELECTRIC WITH AUXILIARY CONTACT
- SPRINKLER SYSTEM FLOW SWITCH
- SPRINKLER SYSTEM TAMPER SWITCH
- FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER
- INTERLOCK RELAY
- SMOKE DAMPER
- DUCT SMOKE DETECTOR REMOTE TEST INDICATOR
- KNOX BOX

**SECURITY SYSTEMS**

- 2-WAY CEILING MOUNTED INTERCOM SPEAKER
- CEILING MOUNTED PAGING SPEAKER
- WALL MOUNTED PAGING HORN
- CEILING OR WALL MOUNTED FIXED CAMERA
- CEILING OR WALL MOUNTED PTZ CAMERA
- PAGING CONTROL EQUIPMENT
- INTERCOM MASTER STATION
- DOOR CONTROL EQUIPMENT
- MONITORED DOOR POSITION SWITCH AND CONTROLLED DOOR HARDWARE
- MONITORED DOOR POSITION SWITCH
- STANDARD INTERCOM STATION
- VISITATION TELEPHONE
- WALL MOUNTED DRESS BUTTON
- GRAPHIC CONTROL PANEL
- TOUCH SCREEN WORKSTATION
- CITY CONTROL OR DISPLAY EQUIPMENT
- PERMETER CONTROL EQUIPMENT
- DURESS CONTROL EQUIPMENT
- DURESS ALARM RECEIVER
- OFFICER CONTROLLED COLLECT-ONLY PUBLIC TELEPHONE
- OFFICER CONTROLLED FIRE SPRINKLER (DELUGE) HEAD
- DUAL TECHNOLOGY VOLUMETRIC SENSOR
- LOCAL DOOR RELEASE BUTTON
- OFFICER CONTROLLED SHOWER WATER SUPPLY
- OFFICER CONTROLLED LIGHTING AND ELECTRICAL OUTLETS
- DOOR CONTACT
- CARD READER
- KEY PAD
- CLOSED CIRCUIT TELEVISION CAMERA
- ELECTRIC STRIKE

**ONE LINE DIAGRAM**



**ABBREVIATIONS**

- AAMP AMPERE
- AFG ABOVE FINISHED GRADE
- ALB ALTERNATING BIPROJECTION
- AMP AMPERE INTERRUPTING CAPACITY
- AMC AMERICAN WIRE GAUGE
- BFG BELOW FINISHED GRADE
- BOS BOTTOM OF STEEL
- C CONDUIT
- CB CIRCUIT BREAKER
- CCTV CLOSED CIRCUIT TELEVISION
- CPD CONTROL POWER TRANSFORMER
- CT CURRENT TRANSFORMER
- CU CUPRO
- DACIT DIGITAL ALARM COMMUNICATOR TRANSMITTER
- DB DIRECT BURIED
- DISC DISCONNECT
- DN DOWN
- EMT ELECTRICAL METALLIC TUBING
- EWG ELECTRIC WATER COOLER
- FAN FIRE ALARM ANNUNCIATOR
- FACP FIRE ALARM CONTROL PANEL
- FBO FURNISHED BY OTHER
- FJ FUSE
- FNE FURNISHED WITH EQUIPMENT
- GFI GROUNDING FAULT CIRCUIT INTERRUPTER
- GND GROUND
- HP HORSE POWER
- HTB HEATER
- IG INTERLOCKING METAL CONDUIT
- INC INSULATED
- K KILOVOLT
- KVA KILOVOLT-AMPERE
- KVAR KILOVOLT-AMPERE REACTIVE
- KWH KILOWATT-HOUR
- LA LIGHTNING ARRESTER
- LTO LIGHTING
- MC METAL CLAD
- MCB MAIN CIRCUIT BREAKER
- MFR MANUFACTURER
- MI MINERAL INSULATED
- MIL MILLIMETER
- MTD MOUNTED
- MF MEDIUM VOLTAGE
- NEC NORMALLY CLOSED
- NEC NATIONAL ELECTRIC CODE
- NEG NEGATIVE
- NEUT NEUTRAL
- NI NOT IN CONTACT
- NO NORMALLY OPEN
- NTS NOT TO SCALE
- PF POWER FACTOR
- PH PHASE
- PVC POLYVINYL CHLORIDE
- REC REFRIGERANT
- RSD RESISTANCE TEMPERATURE DETECTOR
- SIL SOLID NEUTRAL
- SHD SHIELDED THREADED PEAR
- SIT SWITCHBOARD
- SWR SWITCHGEAR
- TOP TOP OF STEEL
- TRF TRANSFORMER
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR
- V VOLT
- VVA VOLT-AMPERE
- VAR VOLT-AMPERE REACTIVE
- WM WATT METER
- WP WEATHER PROOF
- XP EXPLOSION PROOF

**GENERAL NOTES:**

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70 NATIONAL ELECTRICAL CODE (NEC), 2002 EDITION.
2. UNLESS OTHERWISE NOTED FIRE ALARM NOTIFICATION DEVICES SHALL BE MOUNTED 8" TO THE BOTTOM OF THE CEILING OR 8 INCHES BELOW CEILING, WHICHEVER IS LOWER. MOUNT FIRE ALARM PULL STATIONS 48 INCHES AFT TO TOP OF DEVICES.
3. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH A UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
4. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.

ISSUED FOR PERMITTING	4-9-02
REV.	DESCRIPTION DATE

ISSUED FOR PERMITTING  
4-9-02

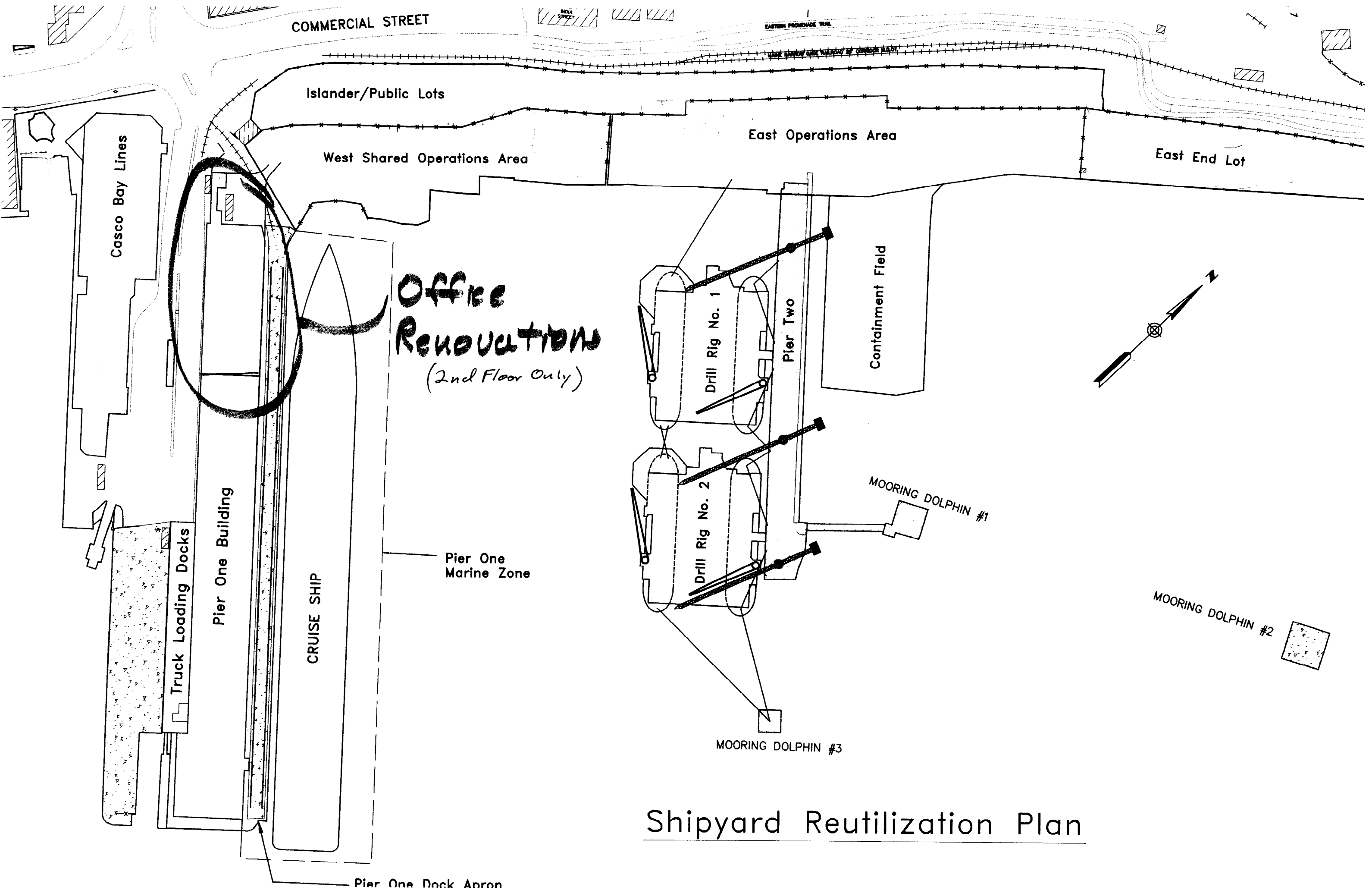
**SMRT** ARCHITECTURE ENGINEERING PLANNING  
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Portland, Maine 04101  
Tel: (207) 772-2666  
Fax: (207) 772-2029

**THE CIAMBRO CORPORATION**  
AMETHYST PROJECT  
PROJECT: 40 COMMERCIAL STREET, PORTLAND, MAINE

**LEGEND & GENERAL NOTES**

SHEET TITLE: 1/8"=1'-0" DATE: 4-9-02  
PROJECT MANAGER: J.M. GRAPHIC SCALE: 0'  
JOB CAP/DRWING: B.G.  
DATE OF RECORD: 7/04 SHEET No.  
SHEET AND FILE: E-001-0010  
PROJECT No. 000000

**GENERAL NOTE**  
1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.



**Office Renovation**  
*(2nd Floor Only)*

Shipyard Reutilization Plan