

MARKET SQUARE OFFICE BUILDING

FOR

**CLEARFIELD COUNTY ECONOMIC
DEVELOPMENT CORPORATION**

**CLEARFIELD BOROUGH
CLEARFIELD COUNTY
COMMONWEALTH OF PENNSYLVANIA**

GENERAL NOTES:

1. CONTRACTOR(S) SHALL VERIFY ALL SITE DIMENSIONS ON CIVIL DRAWINGS, EXISTING SITE CONDITIONS, EXISTING CONSTRUCTION GRADES, AND UTILITIES ON PROJECT AND COMPARE TO CONTRACT DOCUMENTS PRIOR TO COMMENCING CONSTRUCTION. REPORT ALL DISCREPANCIES TO THE ARCHITECT AND OWNER FOR CLARIFICATION.

2. CONTRACTOR(S) SHALL COMPLETE A PA ONE CALL PRIOR TO COMMENCING WITH ANY WORK. THE CONTRACTOR(S) SHALL BARE ANY AND ALL EXPENSES OF AND SHALL REPAIR ANY DAMAGED UNDERGROUND UTILITIES TO EXISTING CONDITIONS.

3. ERRORS OR OMISSIONS IN ANY SCHEDULE OR ON ANY DRAWING DO NOT RELIEVE THE CONTRACTOR(S) FROM EXECUTING THE WORK INTENDED ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS.

4. ALL MANUFACTURERS LISTED ARE A STANDARD OF QUALITY, SUBSTITUTIONS WILL BE ACCEPTED. SUBSTITUTIONS MUST BE SUBMITTED FOR APPROVAL FROM THE ENGINEER AND THE OWNER PRIOR TO ORDERING OR INSTALLATION.

5. ALL MATERIALS, FINISH AND COLOR SELECTIONS SHALL BE APPROVED BY THE OWNER PRIOR TO ANY INSTALLATION. CONTRACTOR(S) SHALL SUBMIT A MINIMUM OF 4 COPIES OF ALL SHOP DRAWINGS, PRODUCT LITERATURE, COLOR AND/OR MATERIAL SAMPLES, TO THE ENGINEER FOR APPROVAL, IN NO CASE SHALL A REPRODUCTION OF THE CONTRACT DRAWINGS BE USED AS A SHOP DRAWING.

6. ALL WORK MUST CONFORM TO THE PENNSYLVANIA UNIVERSAL CONSTRUCTION CODE AND ANY LOCAL OR COUNTY REGULATORY AGENCIES HAVING JURISDICTION OF PROJECT.

7. THE CONTRACTOR(S) SHALL VERIFY THE CHARACTERISTICS OF ALL WORK AND EQUIPMENT TO BE FURNISHED BY THE OWNERS, OR OTHERS, WITH THE MANUFACTURE OR SUPPLIER OR TO STARTING ANY RELATED WORK TO SAID EQUIPMENT.

8. NOTES ON DRAWINGS SHALL TAKE PRIORITY OVER GENERAL NOTES, AND LARGE SCALE DETAILS TO SMALLER SCALE DETAILS. DO NOT SCALE DRAWINGS. IN CASE OF ANY DISCREPANCY, CONTACT THE ENGINEER FOR CLARIFICATION PRIOR TO STARTING ANY WORK.

CODE SUMMARY:

USE OR OCCUPANCY GROUP: GROUP R2/B

OCCUPANCY CLASSIFICATION: MIXED USE - NON SEPARATED

TYPE OF CONSTRUCTION: VB

ALLOWABLE AREAS: 8750 SF \ 2 STORY (NO INCREASE TAKEN)

ACTUAL AREAS:

FIRST FLOOR - 4458 SF

SECOND FLOOR - 3547 SF

OCCUPANCY LOAD:

FIRST FLOOR - 45 PERSONS

SECOND FLOOR - 8 PERSONS

TOTAL - 53 PERSONS

THIS PROJECT IS DESIGNED AND SHALL BE BUILT TO COMPLY WITH THE INTERNATIONAL EXISTING BUILDING CODE 2009 CHAPTER 13 PERFORMANCE COMPLIANCE METHOD AND ALL APPLICABLE LOCAL CODES.

CHANGE OF USE WITH LEVEL 3 ALTERATIONS

HANDICAPPED ACCESSIBILITY IS DESIGNED TO MEET ANSI 117.1A

ALL ELECTRICAL WORK TO BE IN FULL COMPLIANCE WITH THE NATIONAL ELECTRIC CODE 2008

ALL MECHANICAL WORK TO COMPLY TO THE INTERNATIONAL MECHANICAL CODE 2009

ALL PLUMBING WORK TO COMPLY WITH THE INTERNATIONAL PLUMBING CODE 2009

LIST OF DRAWINGS

A001	COVER SHEET	M001	MECHANICAL NOTES
A101	DEMOLITION/EXISTING PLANS	M101	MECHANICAL PLAN
A102	FLOOR PLAN	P001	PLUMBING NOTES
A103	REFLECTED CEILING/ROOF PLANS	P101	WATER SUPPLY/SANITARY PLANS
A201	EXTERIOR ELEVATIONS (PHOTOGRAPHS)	P102	PLUMBING DETAILS
A401	ENLARGED RR PLANS		
A601	SCHEDULES		
E001	ELECTRICAL NOTES		
E101	LIGHTING PLANS		
E102	POWER PLANS		



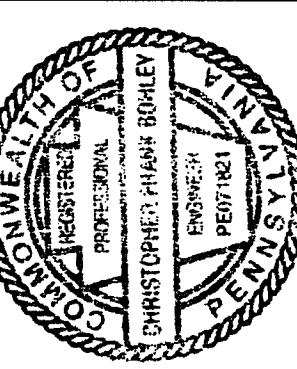
PROJECT LOCATION

SITE LOCATION MAP

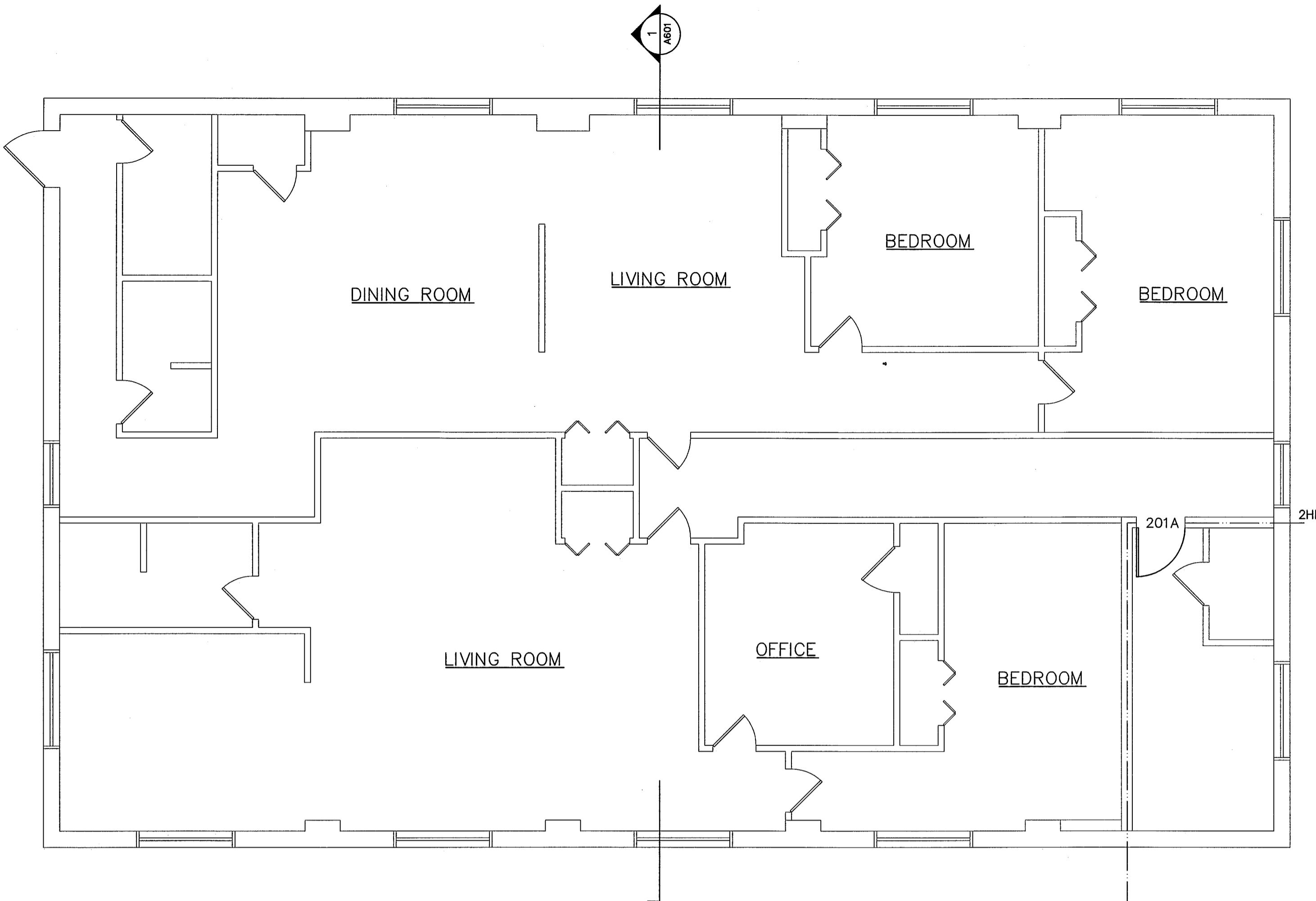
R. HUGHES ENGINEERING, P.C.

Consulting Engineers

107 N. Front Street
Clearfield, Pennsylvania 16830
Tel. (814) 765-8691, Fax (814) 765-8692



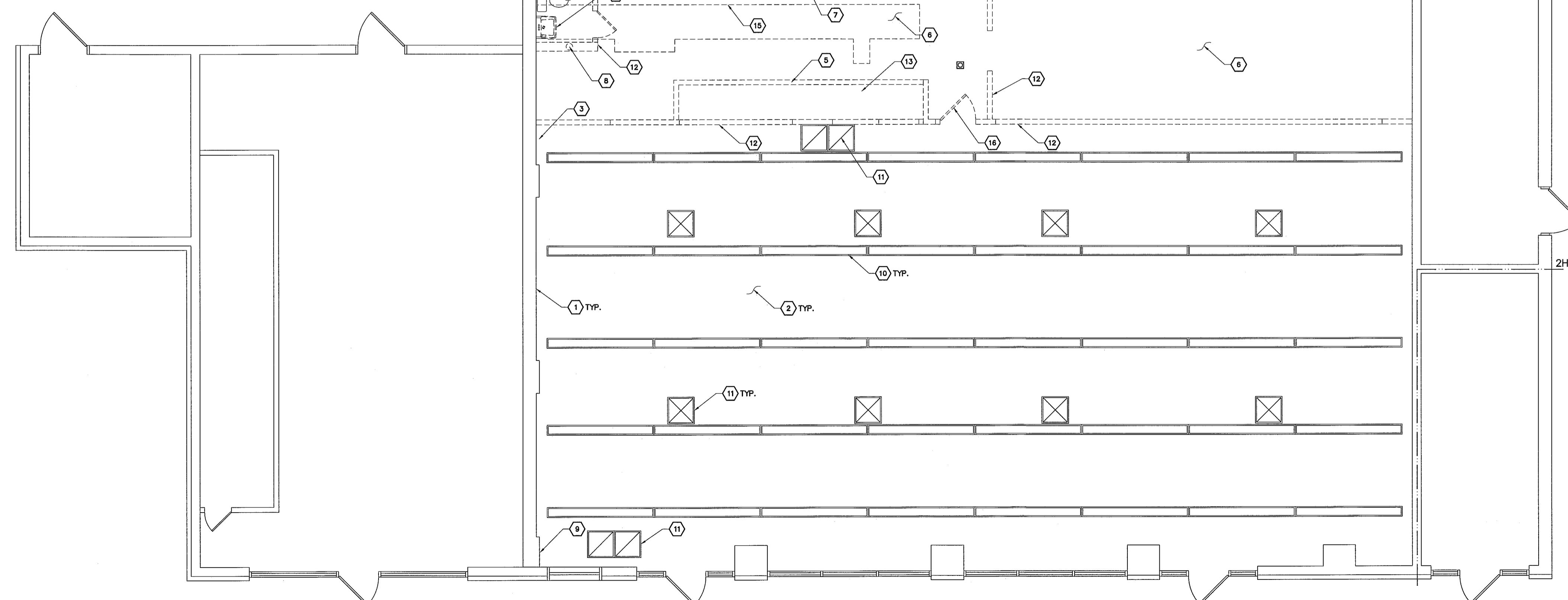
NO.	DRAWING ISSUE	DATE
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2	CODE SET	5/13/11
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EXISTING 2ND FLOOR PLAN
1/8" = 1'-0"

DEMOLITION SHEET NOTES:

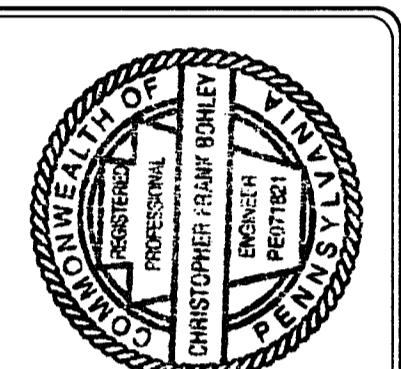
- 1 REMOVE BLOCKING FROM WALL
- 2 REMOVE CEILING TILE & INSULATION
- 3 REMOVE SUPPLY & WASTE PIPING
- 4 DEMO WALL TO ALLOW CONSTRUCTION OF RESTROOMS
- 5 DEMO BULKHEAD ABOVE
- 6 DEMO CEILING TILE & GRID, SUPPORT ALL ELECTRICAL CONDUCTORS
- 7 DEMO EXISTING PLUMBING ON BACK WALL
- 8 RELOCATE EXISTING PLUMBING SANITARY LINE TO NEW LOCATION (SEE PLUMBING PLANS)
- 9 REMOVE ELECTRIC PANEL AND WIRING. SALVAGE CIRCUIT TO EXTERIOR SIGN
- 10 REMOVE EXISTING LIGHTS
- 11 REMOVE EXISTING SUPPLY/RETURN DIFFUSERS
- 12 DEMO EXISTING WALL
- 13 REMOVE EXISTING ELECTRICAL OUTLETS & WIRING FOR COOLERS
- 14 REMOVE EXISTING PLUMBING FIXTURES
- 15 CUT EXISTING SLAB TO ALLOW FOR NEW PLUMBING LAYOUT
- 16 REMOVE EXISTING DOOR



EXIST/DEMO 1ST FLOOR PLAN
1/8" = 1'-0"

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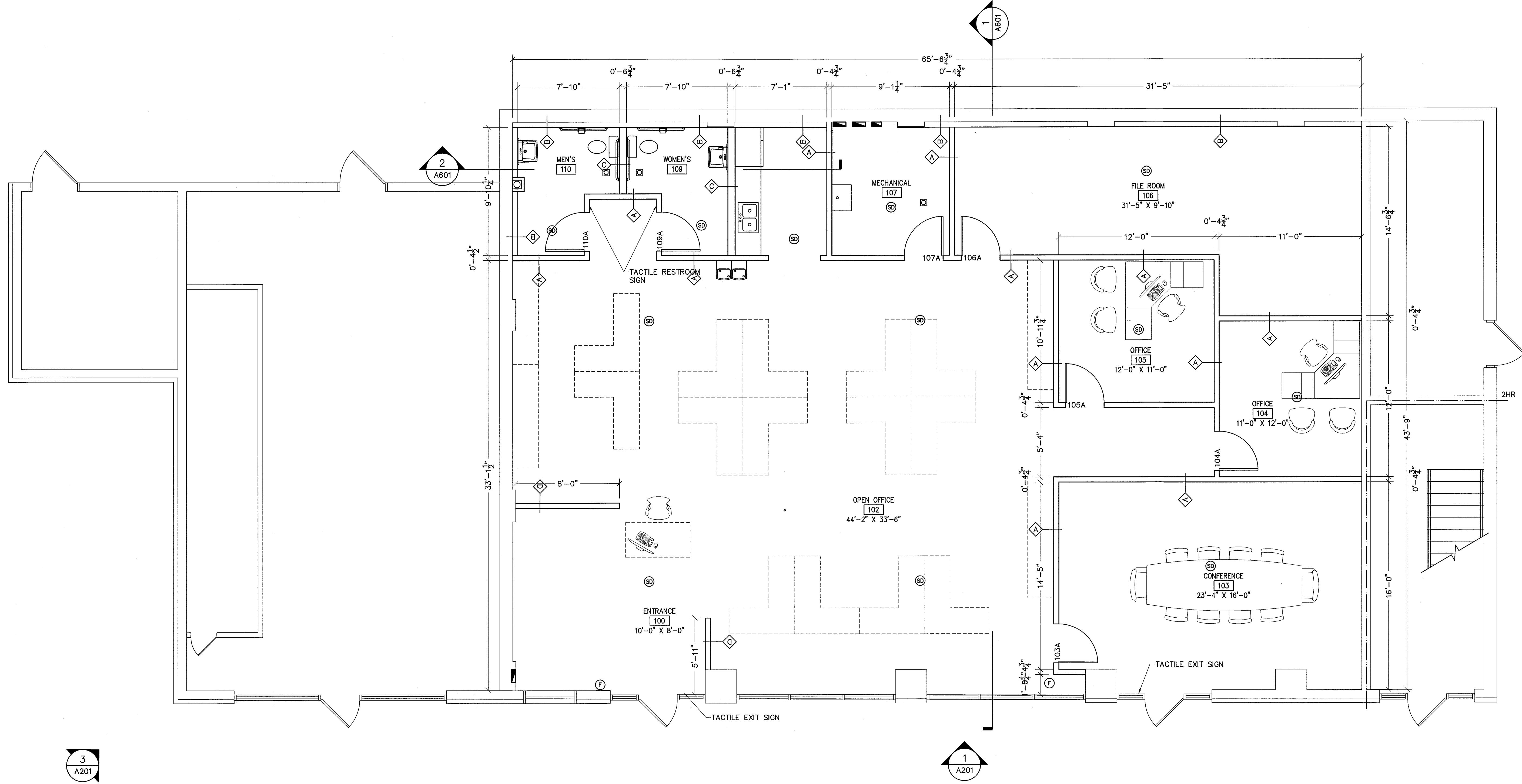


NO.	DRAWING ISSUE	DATE
BID SET	5/12/11	
CODE SET	5/13/11	

PROJECT:	MARKET SQUARE OFFICE BUILDING		
LOCATION:	CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.		
OWNER:	CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION		

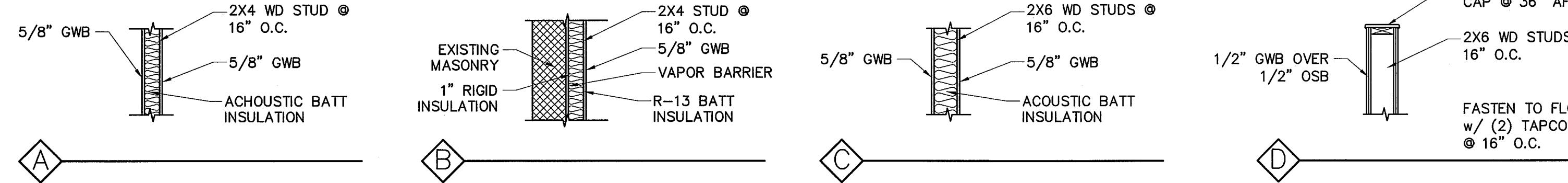
EXIST/DEMOLITION PLAN			
PROJECT NO.: 11-025	DRAWN BY: CFB/MDR	DESIGNED BY: CFB	CHECKED BY:
DATE: 04/26/11	SCALE: AS NOTED		

A101
2 OF 7



FLOOR PLAN
SCALE: 1/4" = 1'-0"

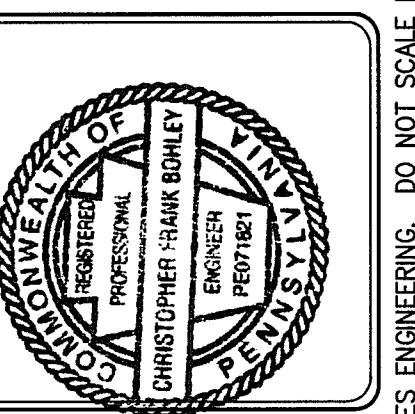
WALL TYPES



SYMBOLS:

ROOM NAME RM# OCCLD.	ROOM NAME ROOM NUMBER OCCUPANCY LOAD
(F)	FIRE EXTINGUISHER
EXIT	ILLUMINATED EXIT SIGN
EXIT	ILLUMINATED EXIT SIGN & WALL PACK
EXIT	EMERGENCY WALL PACK
(S)	EMERGENCY REMOTE HEAD
(H)	SMOKE DETECTOR
(P)	HEAT DETECTOR
(P)	ALARM PULL STATION
(H)	HORN & STROBE ALARM

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CONTRACTOR	PROFESSIONAL
CHRISTOPHER HANRISH	ENGINEER
CHRISTOPHER HANRISH	PEPS

PROJECT: MARKET SQUARE OFFICE BUILDING
LOCATION: CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.
OWNER: CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION

FLOOR PLAN	
PROJECT NO.: 11-025	DRAWN BY: CFB/MDR
DATE: 04/26/11	DESIGNED BY: CFB
CHECKED BY: CFB	

A102	
3 OF 7	



REFLECTED CEILING PLAN

1/4" = 1'-0"

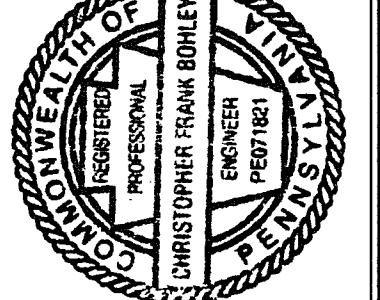
SYMBOLS:

- LIGHTING FIXTURE
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- PENDANT SPRINKLER HEAD
- ◎ SMOKE DETECTOR
- △ HEAT DETECTOR

REFLECTED CEILING PLAN

PROJECT: MARKET SQUARE OFFICE BUILDING
LOCATION: CLEARFIELD, BOROUGH, CLEARFIELD COUNTY, PENNA.
OWNER: CLEARFIELD COUNTY
ECONOMIC DEVELOPMENT
CORPORATION

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CODE SET	5/13/11	

A103



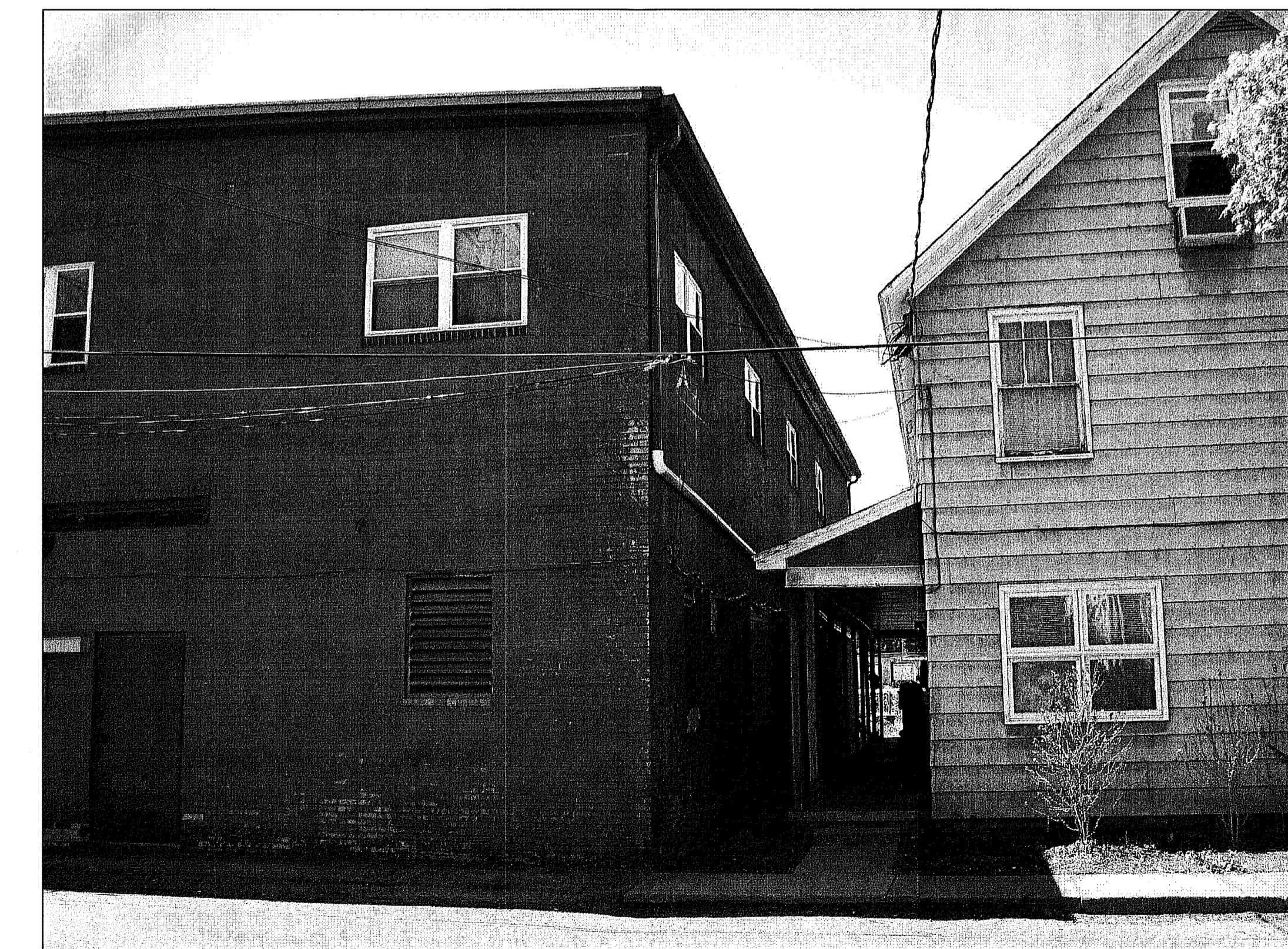
1 FRONT ELEVATION
SCALE: N.T.S.



2 SIDE ELEVATION
SCALE: N.T.S.



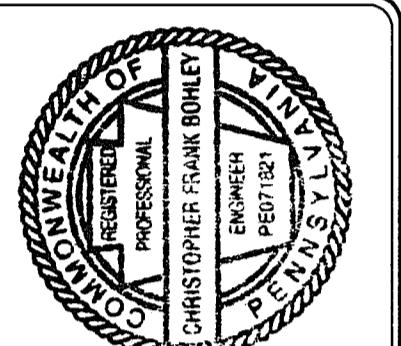
3 SIDE ELEVATION
SCALE: N.T.S.



4 BACK ELEVATION
SCALE: N.T.S.

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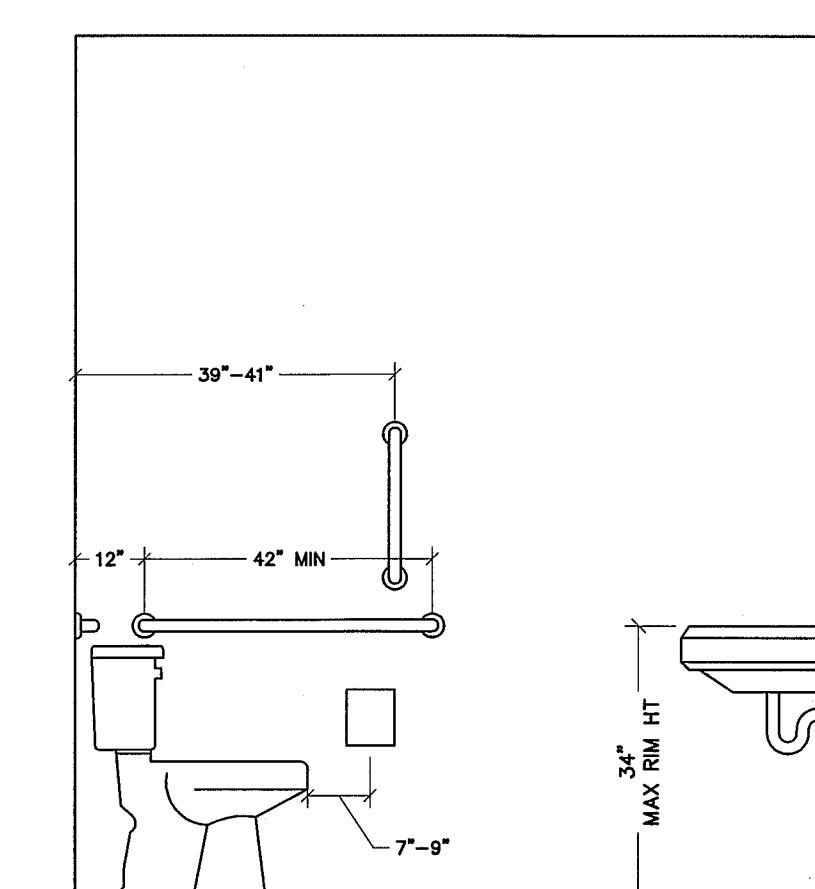
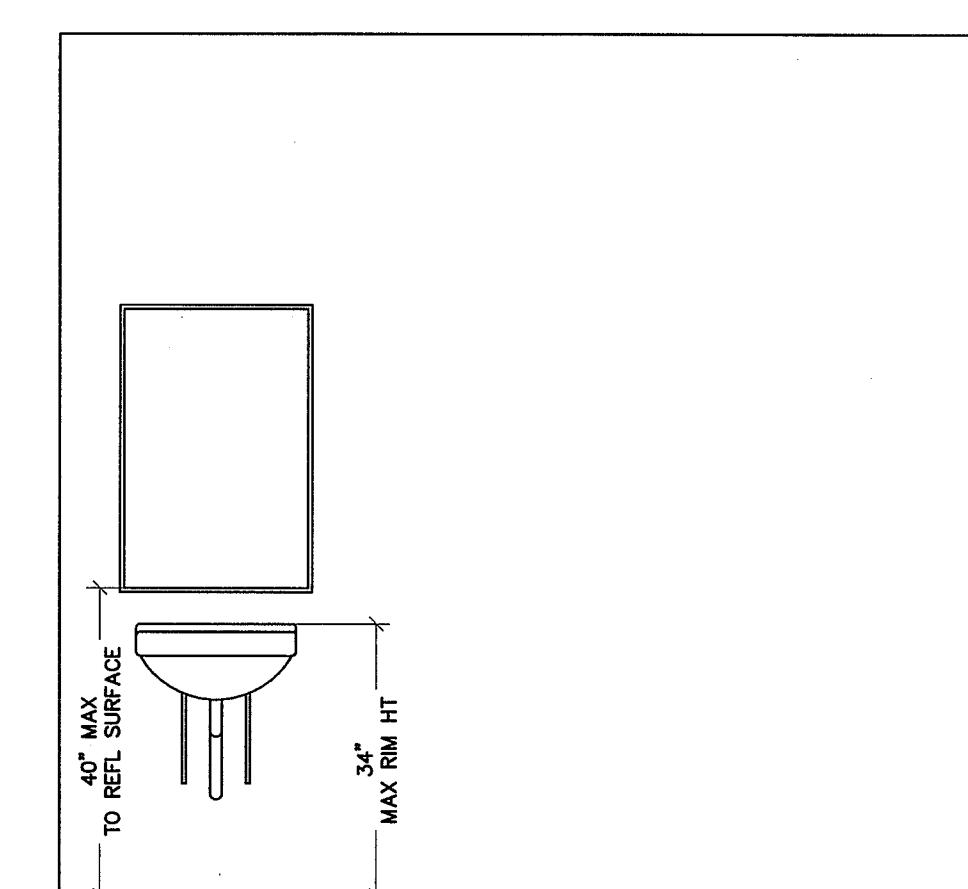
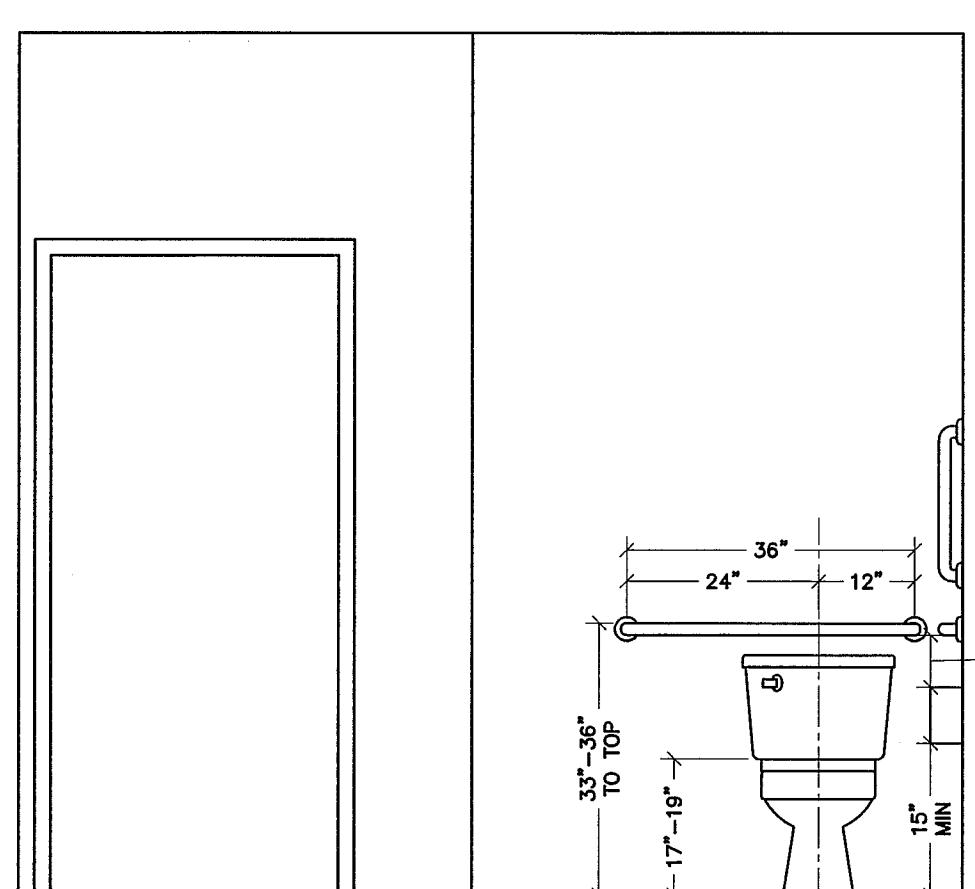
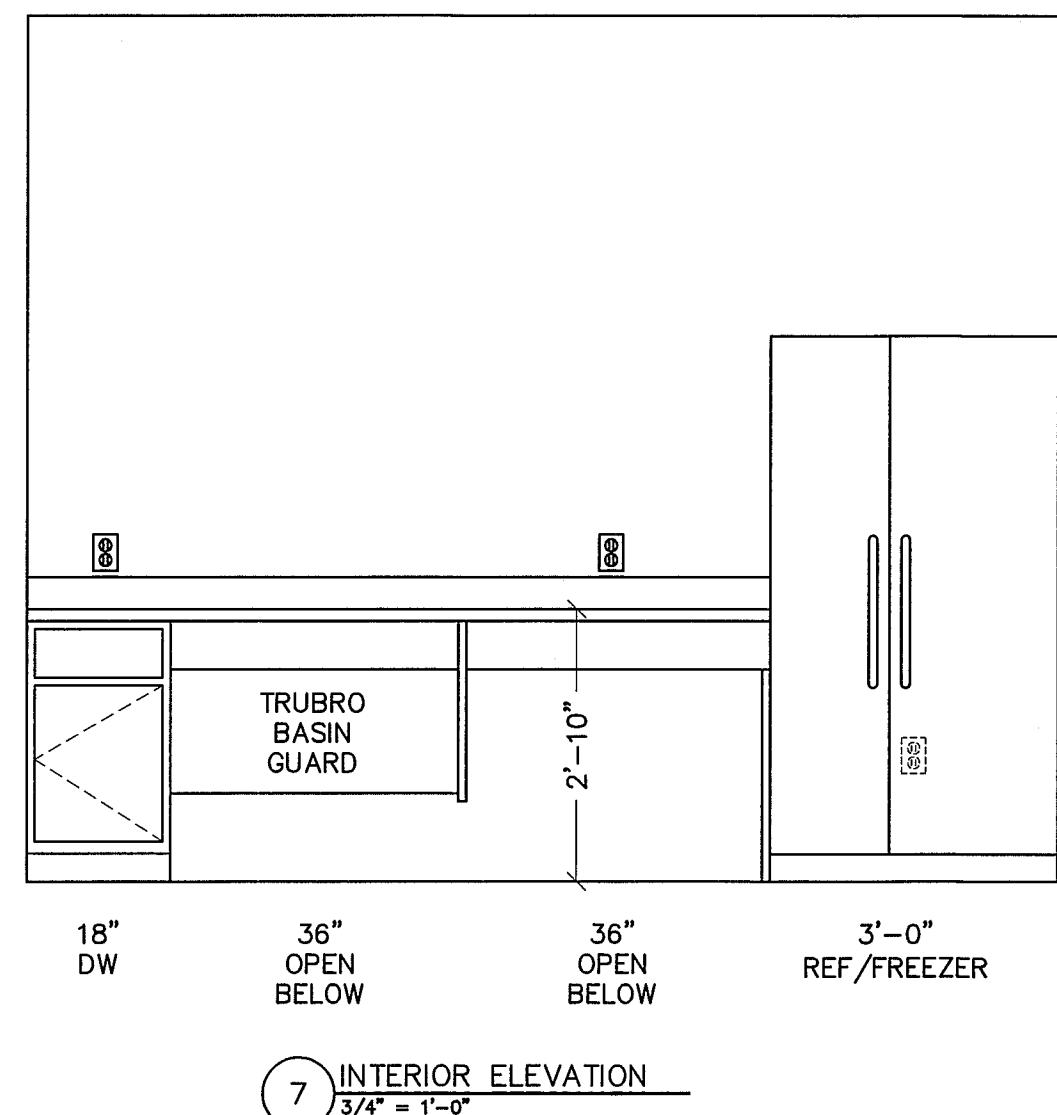
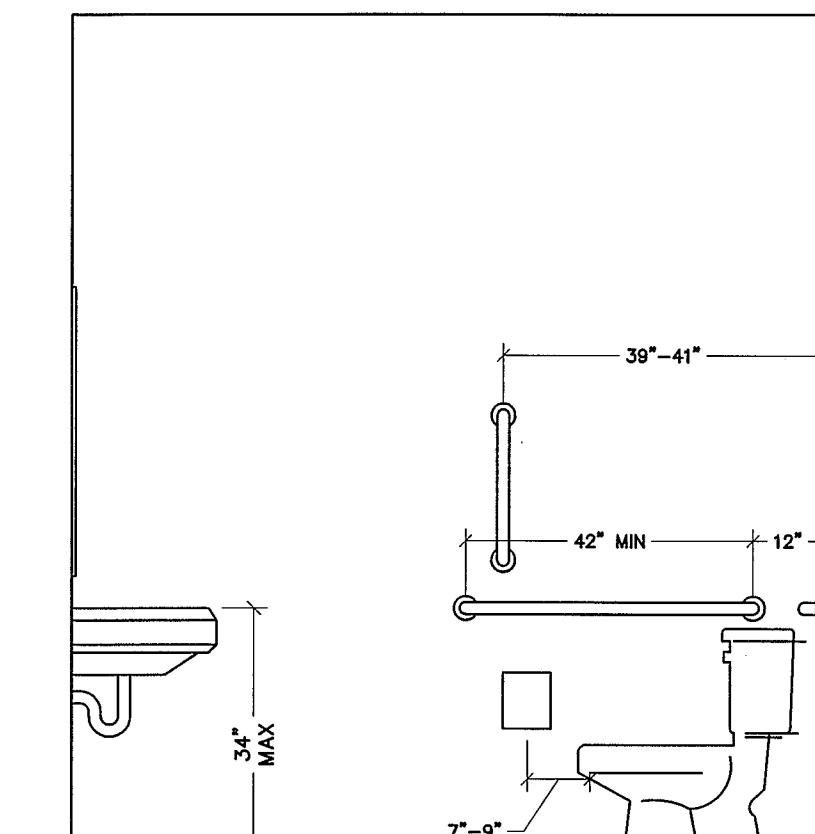
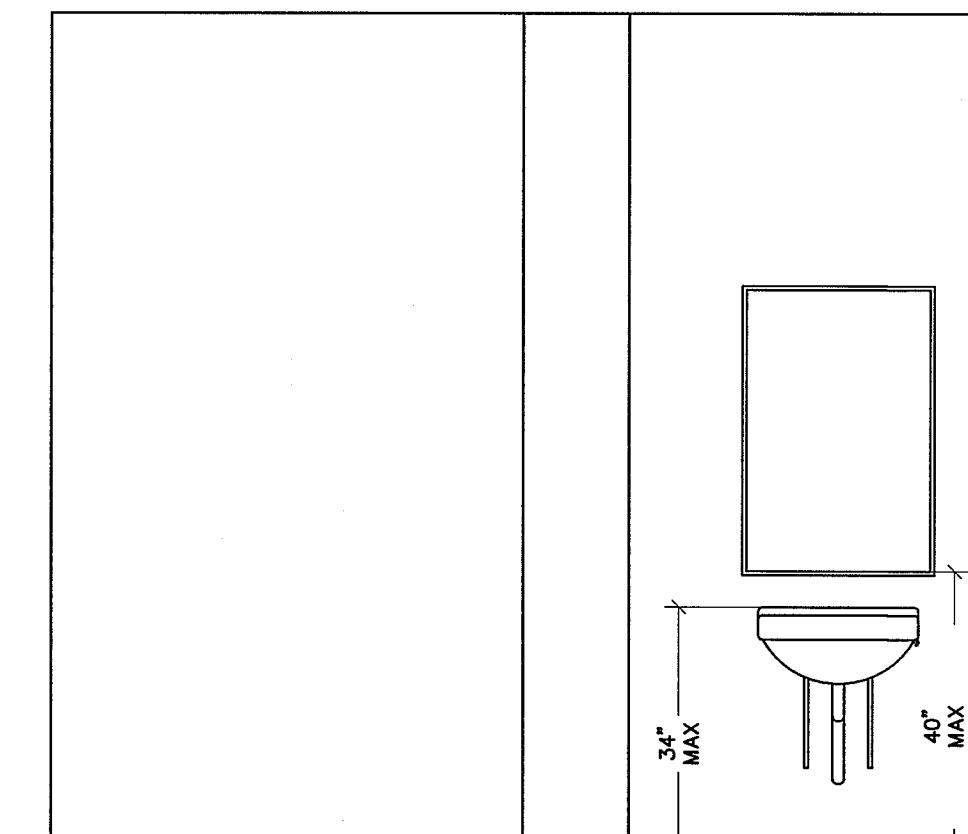
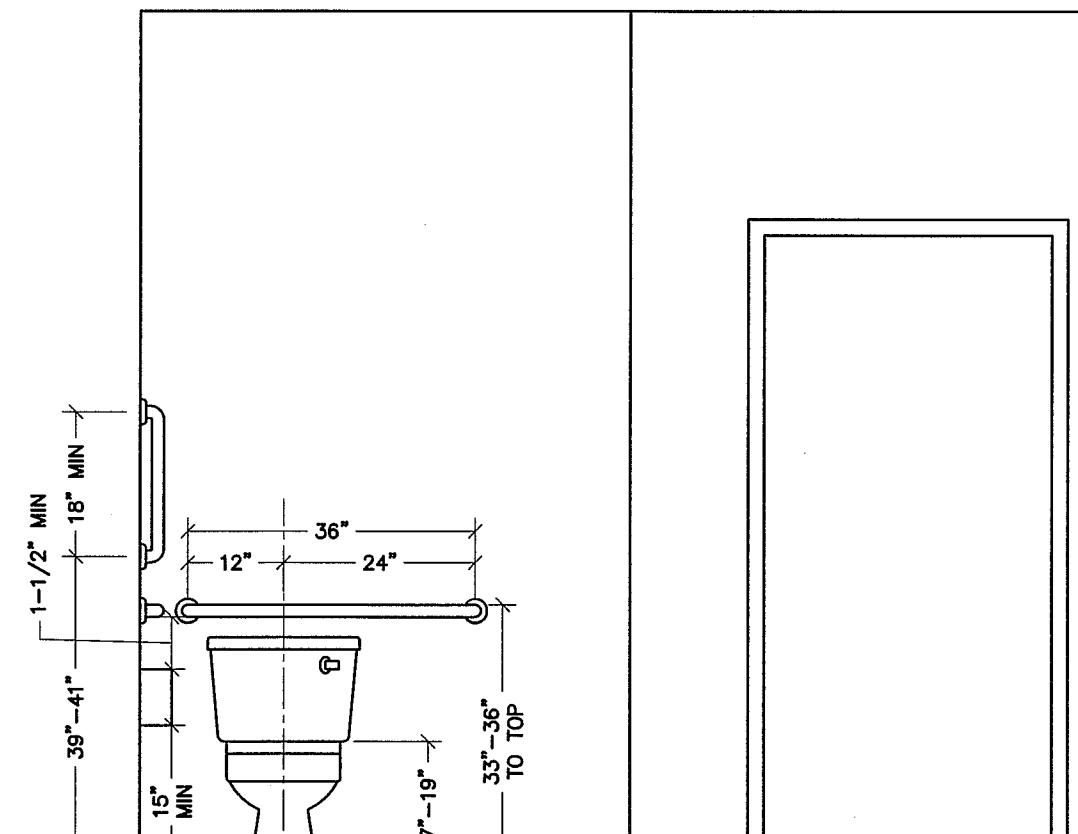
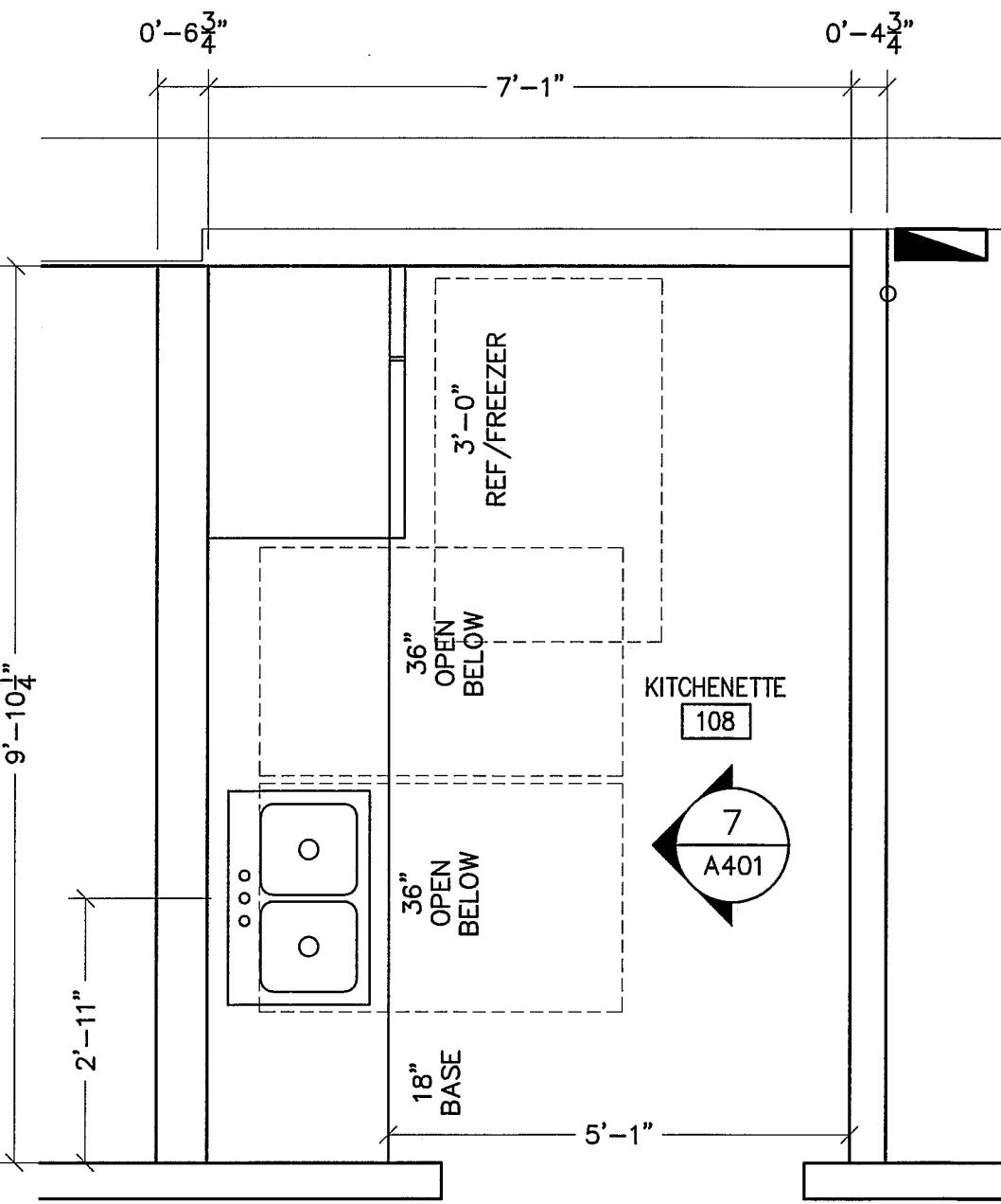
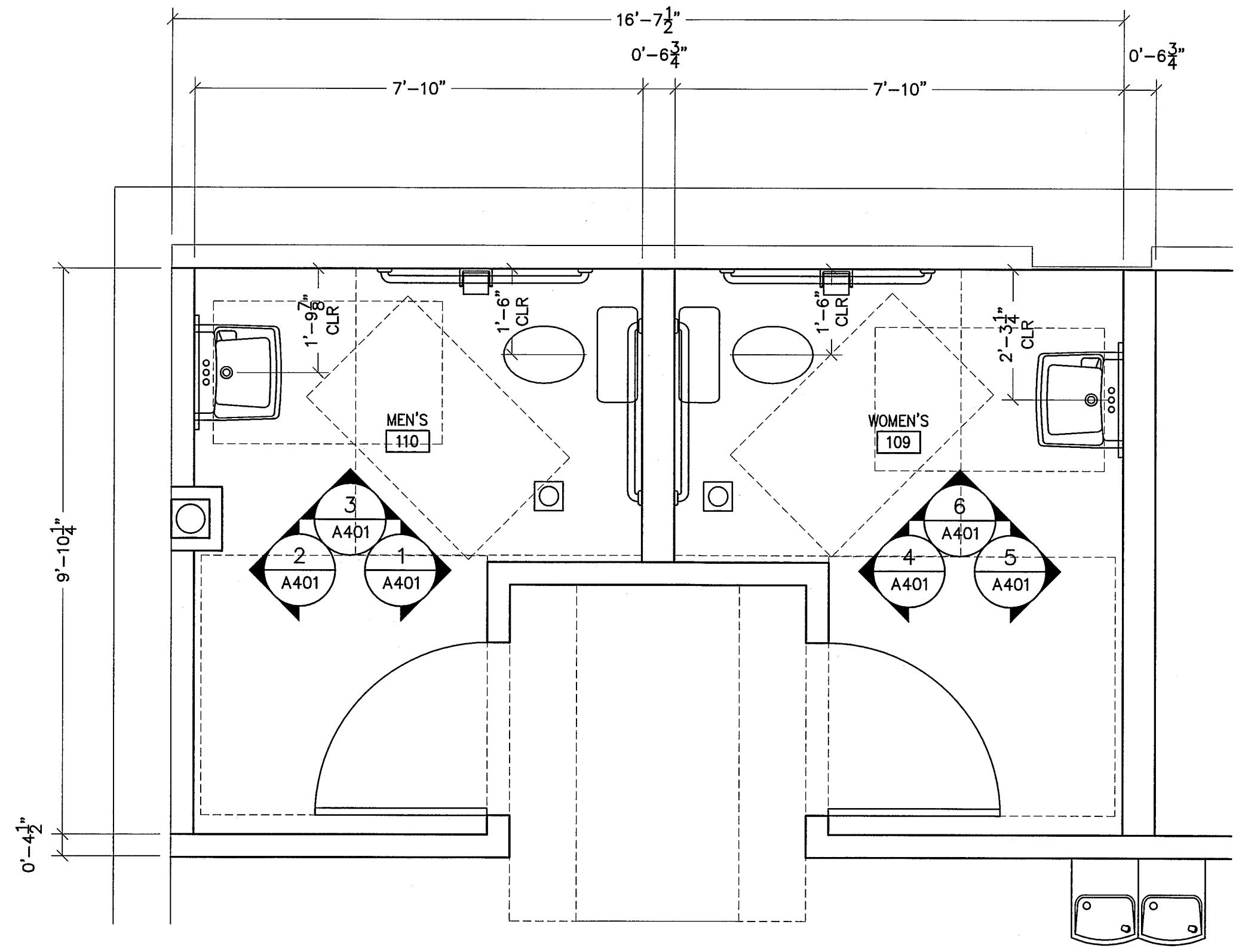


NO.	DRAWING ISSUE	DATE
BID SET	5/12/11	5/13/11
CODE SET		

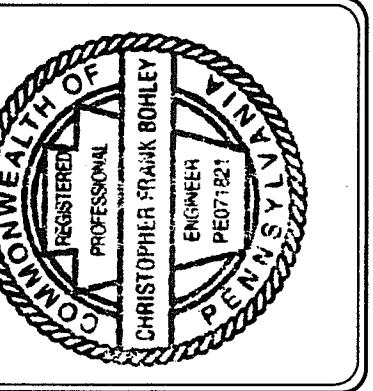
PROJECT:	MARKET SQUARE OFFICE BUILDING	
LOCATION:	CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.	
OWNER:	CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION	

TITLE:	EXTERIOR ELEVATIONS (PHOTOGRAPHS)	
PROJECT NO.: 11-025	DRAWN BY: CFB/MOR	DESIGNED BY: CFB
DATE: 04/26/11	CHECKED BY: CFB	
SCALE: AS NOTED		

A201
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BID SET	CODE SET	5/12/11
		5/13/11

PROJECT:	MARKET SQUARE OFFICE BUILDING	
LOCATION:	CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.	
OWNER:	CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION	

TITLE:	ENLARGED PLANS	
PROJECT NO.: 11-025	DRAWN BY: CFB/MOR	DESIGNED BY: CFB
DATE: 04/26/11	CHECKED BY: CFB	
SCALE: AS NOTED	SCALE: 1/2" = 1'-0"	

A401
6 OF 7

FINISH SCHEDULE									
SPACE NUMBER	SPACE NAME	FLOOR	WALL	CEILING	BASE	REMARKS			
							CARPET TILE	ARMSTRONG EXCELON VCT SEALED CONCRETE	DURASAN GWB PAINTED
101	ENTRANCE								
102	OPEN OFFICE								
103	CONFERENCE								
104	OFFICE								
105	OFFICE								
106	FILE ROOM								
107	MECHANICAL								
108	KITCHENETTE								
109	WOMEN'S								
110	MEN'S								

CARPET TILE - MANNINGTON WAYS II 18"X18" INFINITY MODULAR. COLOR TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD OFFERING. TILE TO BE LAID ON A QUARTER TURN PATTERN

DOOR TYPES

FSD1 - FLUSH STEEL DOOR

DOOR:
-SDI LEVEL 2 SEAMLESS DESIGN
-18GA STEEL FACE SHEETS, FACTORY PRIMED
-16GA FLUSH TOP AND BOTTOM CHANNELS
-POLYSTYRENE FOAM CORE (MINERAL FIBER CORE ON FIRE RATED DOORS)
FRAME:
-16GA, GRADE II, COLD ROLLED STEEL @ INTERIOR LOCATIONS, FACTORY PRIMED
-14GA, GRADE III, GALVANIZED STEEL @ EXTERIOR LOCATIONS, FACTORY PRIMED
-ALL FRAMES @ MASONRY LOCATIONS TO BE FACE WELDED AND GROUND SMOOTH, AND RE PRIMED AT THE WELDED AREA
-FRAME TO BE REINFORCED FOR HARDWARE INSTALLATION IN ACCORDANCE WITH ANSI 250.6

PWD3 - PANEL WOOD DOOR

DOOR:
-FLEXIRIGID BLOCKS STAGED THROUGHOUT DOOR
-BLOCKING AS NECESSARY FOR CLOSERS AND EXIT DEVICES
FACE:
-1 PLY, 1/8" MOLED HARDBOARD
FRAME:
PAINT GRADE WOOD JAMB, AND STOP

HARDWARE TYPES

H1 - PASSAGE OR CLOSET LOCK (ANSI F75/GRADE 2)

DESCRIPTION:
FOR DOORS THAT DO NOT REQUIRE LOCKING. EITHER LEVER OR KNOB OPERATES LATCHBOLT AT ALL TIMES. BOTH LEVERS ARE ALWAYS FREE.
HARDWARE:
(3) 4.5 X 4.5 X .134GA HINGERS (FINISH PER SCHEDULE)

(3) RUBBER MUTES
(1) WALL BUMPER 2 1/2" DIA WITH 3/4" PROJECTION

H2 - PRIVACY LOCK (GRADE 2)

DESCRIPTION:
FOR LAVATORY AND OTHER PRIVACY DOORS. -EITHER LEVER OPERATES LATCHBOLT (EXCEPT WHEN OUTSIDE LEVER IS LOCKED BY INSIDE PUSH BUTTON). BUTTON AUTOMATICALLY RELEASES BY TURNING INSIDE LEVER OR CLOSING DOOR. DOOR CAN BE UNLOCKED, WHEN NECESSARY, BY OPERATING OUTSIDE TURN BUTTON. -NO EMERGENCY KEY IS REQUIRED. INSIDE LEVER IS ALWAYS ACTIVE.
HARDWARE:
(3) 4.5 X 4.5 X .134GA HINGERS (FINISH PER SCHEDULE)

(3) RUBBER MUTES
(1) WALL BUMPER 2-1/2" DIA WITH 3/4" PROJECTION
(1) LOCK CYLINDER

H3 - ENTRY OR OFFICE LOCK (ANSI F82/GRADE 2)

DESCRIPTION:
FOR ENTRANCE OR OFFICE DOORS. DEADLOCKING LATCHBOLT. EITHER LEVER OPERATES LATCHBOLT (EXCEPT WHEN OUTSIDE LEVER IS LOCKED FROM THE INSIDE). PUSHING BUTTON IN INSIDE LEVER LOCKS OUTSIDE LEVER (AUTOMATICALLY RELEASES WHEN INSIDE LEVER IS TURNED OR KEY IS ROTATED IN LOCKED OUTSIDE LEVER). LATCHBOLT IS OPERATED BY KEY IN OUTSIDE LEVER OR BY ROTATING INSIDE LEVER. INSIDE LEVER IS ALWAYS ACTIVE.
HARDWARE:
(3) 4.5 X 4.5 X .134GA HINGERS (FINISH PER SCHEDULE)

(3) RUBBER MUTES
(1) WALL BUMPER 2-1/2" DIA WITH 3/4" PROJECTION
(1) LOCK CYLINDER

H5 - PANIC EXIT LOCK, INTERIOR (GRADE 1)

DESCRIPTION:
FOR EGRESS DOORS. DEADLOCKING LATCHBOLT. EITHER LEVER OR PANIC BAR OPERATES LATCHBOLT (EXCEPT WHEN OUTSIDE LEVER IS LOCKED BY KEY). PANIC BAR IS ALWAYS ACTIVE. DOGGIN BAR OR KEY RELEASES OUTSIDE LEVER.
HARDWARE:
(3) 4.5 X 4.5 X .134GA HINGERS (FINISH PER SCHEDULE)

(3) RUBBER MUTES
(1) WALL BUMPER 2-1/2" DIA WITH 3/4" PROJECTION
(1) LOCK CYLINDER

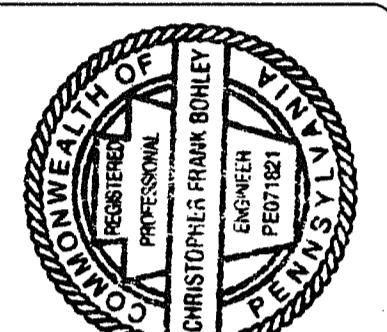
DOOR & HARDWARE SCHEDULE

DOOR IDEN.	DESCRIPTION	SIZE	DOOR TYPE	DOOR FINISH	HARDWARE TYPE	HARDWARE FINISH	CLOSER	FIRE RATING	GLAZ.	REMARKS
103A	CONFERENCE	3'-0" x 6'-8"	PWD3	PF1	H1	652	---	---	---	---
104A	OFFICE	3'-0" x 6'-8"	PWD3	PF1	H3	652	---	---	---	---
105A	OFFICE	3'-0" x 6'-8"	PWD3	PF1	H3	652	---	---	---	---
106A	FILE	3'-0" x 6'-8"	PWD3	PF1	H3	652	---	---	---	---
107A	MECHANICAL	3'-0" x 6'-8"	PWD3	PF1	H3	652	---	---	---	---
109A	WOMEN'S RESTROOM	3'-0" x 6'-8"	PWD3	PF1	H2	652	HC1	---	---	---
110A	MEN'S RESTROOM	3'-0" x 6'-8"	PWD3	PF1	H2	652	HC1	---	---	---
201A	STAIR TOWER	3'-0" x 7'-0"	FSD1	PF1	H5	652	SC1	90 MIN	N	CONTRACTOR TO VERIFY EXISTING OPENING SIZE PRIOR TO ORDERING

R. HUGHES ENGINEERING, P.C.

Consulting Engineers

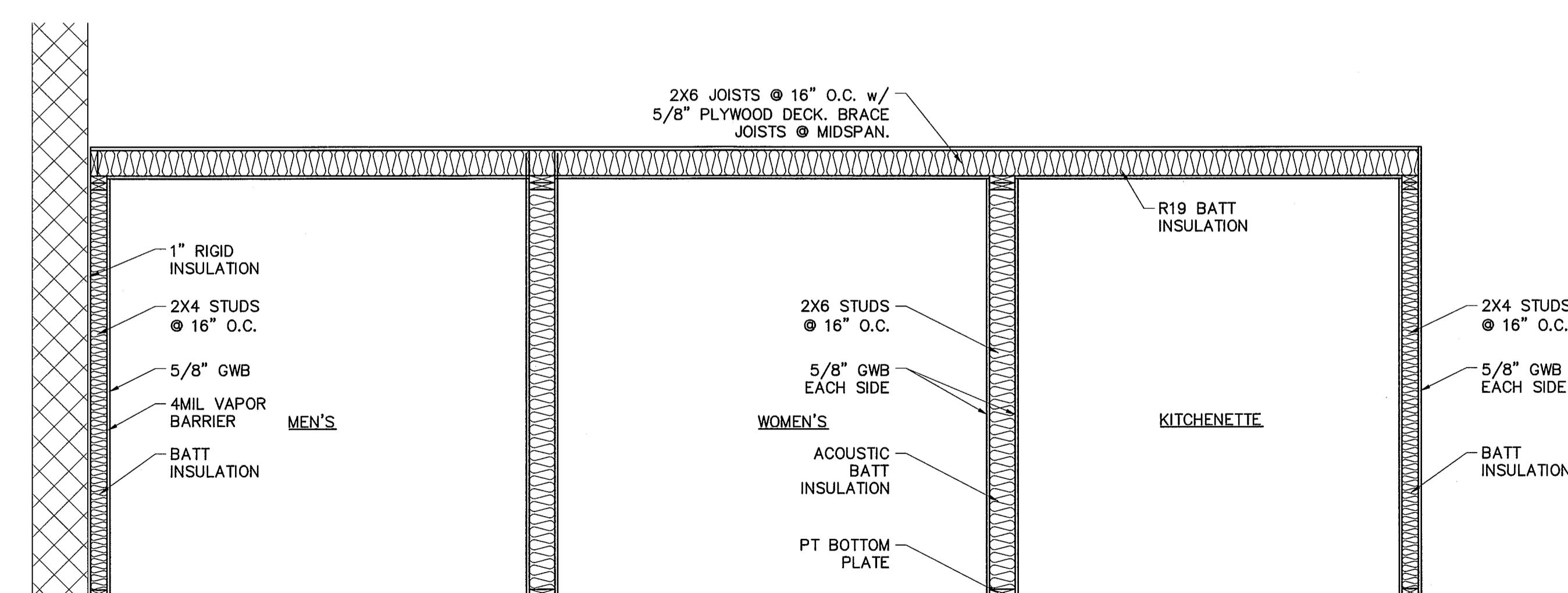
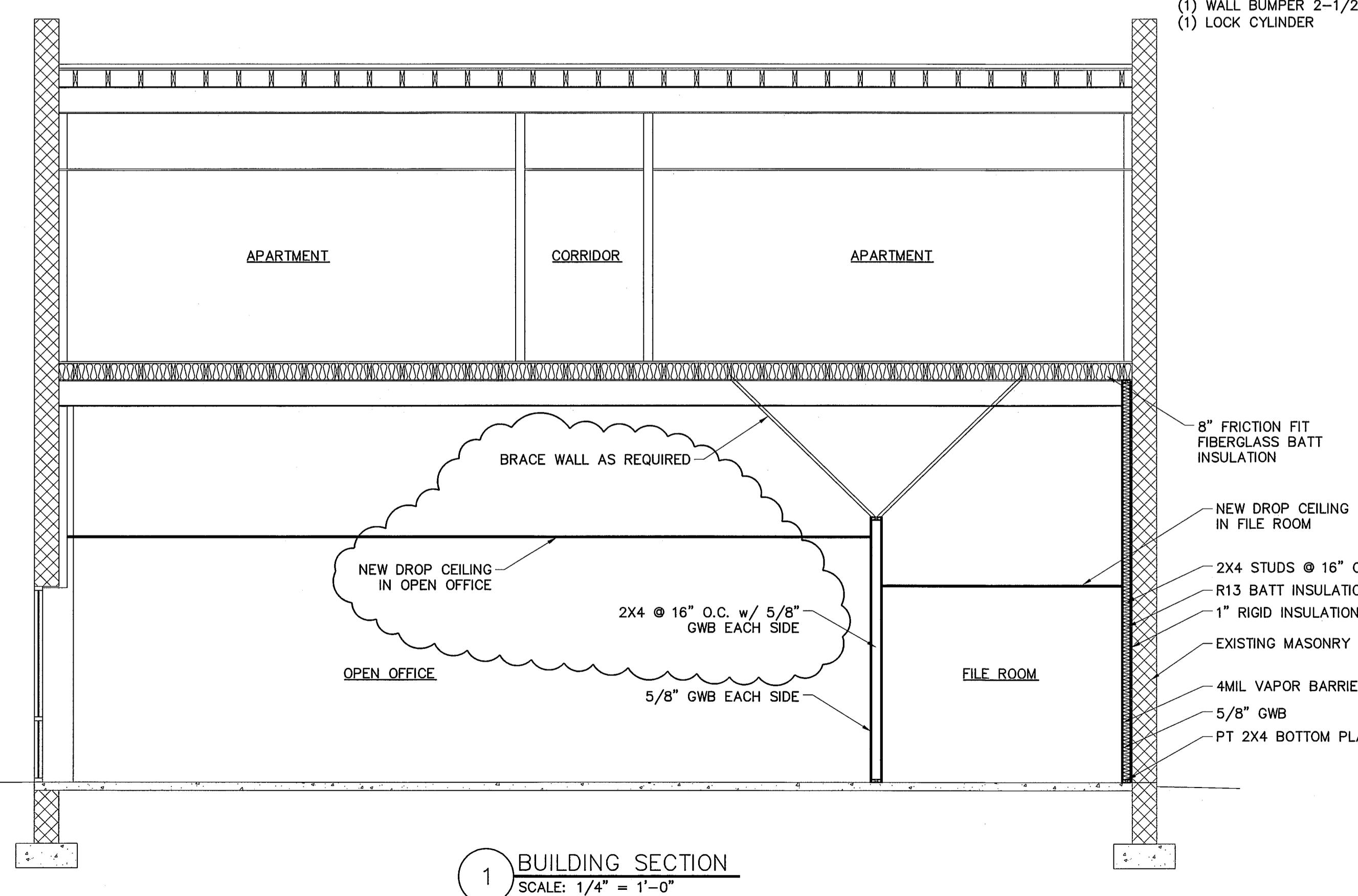
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NO.	DRAWING ISSUE	DATE
BID SET	CODE SET	
		5/12/11
		5/13/11

PROJECT:	MARKET SQUARE OFFICE BUILDING	
LOCATION:	CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.	
OWNER:	CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION	

TITLE:	BUILDING SECTION / SCHEDULES
PROJECT NO.:	CFB/MOR
DATE:	04/26/11
SCALE: AS NOTED	CHECKED BY: CFB
SCALE: 1/4" = 1'-0"	



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

A601
7 OF 7

GENERAL ELECTRICAL NOTES:

- ALL ELECTRICAL WORK TO BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) 2008.
- THESE DRAWINGS ARE BASED ON AVAILABLE DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT, DISCONNECT, AND ACCESSORY LOCATIONS AND MAKE NECESSARY ADJUSTMENTS AS REQUIRED TO SUIT FIELD CONDITIONS.
- ALL WIRING, DEVICES, ETC. ON THESE DRAWINGS IS SHOWN SCHEMATICALLY AND IS NOT INTENDED TO ILLUSTRATE ALL REQUIRED APPURTEANCES. LOCATIONS OF WIRING, EQUIPMENT AND APPURTEANCES ARE RELATIVE ONLY.
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- THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE WORK BETWEEN ALL OTHER TRADES. ALL WORK SHALL BE SO ARRANGED THAT THERE WILL BE NO DELAY IN THE PROPER COMPLETION OF THE PROJECT.
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- THE ELECTRICAL CONTRACTOR SHALL COOPERATE WITH ALL OTHER TRADES TO ENSURE THAT THE FACILITY REMAINS SAFE AND IS IN COMPLIANCE WITH OSHA REGULATIONS AT ALL TIMES.
- WHEREVER THE TERM PROVIDE IS USED, IT SHALL MEAN FURNISH AND INSTALL IN PLACE, COMPLETE IN ALL DETAILS, AND READY FOR USE.
- DURING CONSTRUCTION, MAINTAIN AN ACCURATE UP-TO-DATE "AS-BUILT" RECORD OF THE INSTALLED LOCATIONS OF ALL WORK AND DEVIATIONS, MARKED IN RED ON A SET OF CONTRACT DOCUMENTS.
- ALL SHOP DRAWINGS ARE TO BE SUBMITTED PRIOR TO ORDERING AND INSTALLATION OF WORK.
- VERIFY ELECTRICAL CONNECTION REQUIREMENTS OF EACH PIECE OF EQUIPMENT BEFORE ROUGH-IN.
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- ALL MATERIALS AND EQUIPMENT SHALL BE PROPERLY AND EFFECTIVELY PROTECTED AT ALL TIMES DURING THE EXECUTION OF THE WORK.
- ALL INSTALLATION AND DEMOLITION WORK SHALL BE PERFORMED IN A NEAT, WORKMAN LIKE MANNER SO AS NOT TO DAMAGE ANY NEW OR EXISTING SURFACES, EQUIPMENT, ETC. ANY DAMAGE RESULTING FROM THE INSTALLATION WORK, SHALL BE REPAIRED TO LIKE NEW OR ORIGINAL CONDITIONS.
- EQUIPMENT FOUNDATIONS, SUPPORTS, AND INSTALLATIONS SHALL BE AS PER WRITTEN MANUFACTURER'S SPECIFICATIONS.
- PROVIDE STEEL SLEEVES FOR CONDUIT PASSING THROUGH FOUNDATION WALLS. SLEEVES SHALL BE TWO SIZES LARGER THAN THE CONDUIT PASSING THROUGH. SEAL ANNULAR SPACE BETWEEN PIPE AND SLEEVE WATERTIGHT WITH EXPANDABLE FOAM INSULATION AND ELASTOMERIC CAULK.
- ALL CONDUIT OR SIMILAR THROUGH PENETRATIONS OF ALL FIRE RATED WALLS ASSEMBLIES SHALL BE PATCHED WITH A LISTED FIRE STOPPING SYSTEM TO ACHIEVE A TIGHT SEAL THAT WILL MAINTAIN THE FIRE RESISTANCE RATING OF THE ASSEMBLY CONTAINING THE PENETRATION. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATING INDICATIONS.
- PRIOR TO FINAL ACCEPTANCE OF WORK, A WRITTEN STATEMENT SHALL BE FURNISHED TO THE OWNER GUARANTEEING ALL EQUIPMENT AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR. UPON NOTICE FROM THE OWNER, THE CONTRACTOR SHALL PROMPTLY MAKE GOOD ALL DEFECTIVE WORKMANSHIP AND REPLACE ALL DEFECTIVE MATERIALS DURING THAT PERIOD.

WIRE AND CABLE NOTES:

- ALL CONDUCTORS TO BE SIZED TO CARRY THE MAXIMUM AMPACITY OF THE CIRCUIT OVERCURRENT PROTECTION.
- UNLESS NOTED OTHERWISE, ALL BRANCH CIRCUIT WIRE BE EITHER THHN INSULATED COPPER RUN IN METAL RACEWAY, OR TYPE MC CABLE RUN FROM PANELBOARDS TO DEVICES, LIGHTS OR EQUIPMENT. ALL WIRING SHALL BE CONCEALED EXCEPT IN MECHANICAL OR ELECTRICAL ROOMS.
- CONDUCTORS SHOULD BE SOLID COPPER FOR #10 AND SMALLER, AND STRANDED COPPER FOR #8 AND LARGER. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12.
- SPlicing OF #6, #8, #10 AND #12 WIRES MAY BE DONE WITH SPIRAL SPRING TYPE CONNECTORS INSIDE INSULATED METAL CAPS SUCH AS "SCOTCH-LOCK", "WING-NUT" OR EQUAL, FOR LARGER SIZE WIRES, INDENTATION TYPE SOLDERLESS PRESSURE CONNECTORS OF THE PROPER SIZE AND TYPE SHALL BE USED.
- MULTI-WIRED CIRCUITY SHALL NOT BE ACCEPTABLE. ALL NEW BRANCH CIRCUIT INSTALLATIONS SHALL CONTAIN A DEDICATED HOT, NEUTRAL, AND GROUND FOR EACH DESIGNATED CIRCUIT. ALL 3PH DELTA CIRCUITY SHALL CONTAIN A DEDICATED HOT AND GROUND FOR EACH DESIGNATED CIRCUIT.
- WIRING METHODS:**
 - RACEWAYS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2008 NATIONAL ELECTRIC CODE. ELECTRICAL METALLIC TUBING (EMT) MAY BE USED FOR ALL INTERIOR CONDUIT RUNS. RIGID STEEL CONDUIT SHALL BE USED ON EXTERIOR RUNS.
 - ALL FINAL CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE MADE WITH FLEXIBLE LIQUID-TIGHT CONDUIT NOT EXCEEDING 18" IN LENGTH.
 - ALL EXPOSED WIRING SHALL BE IN METAL RACEWAY. NO EXPOSED NMC CABLE WILL BE ACCEPTED. MC CABLE MAY BE RUN ABOVE CEILING OR IN PARTITIONS.
 - ALL WIRING ABOVE CEILING MUST BE SUPPORTED FROM STRUCTURE. NO WIRING WILL BE ACCEPTED LAYING ON THE CEILING.
 - ALL MC CABLE LOCATED WITHIN STUD WALLS, SHALL BE PLACED A MINIMUM OF THE 1-1/4" FROM THE FACE OF STUD OR PROTECTED WITH A NAIL PLATE.
 - ALL MC CABLES TO BE SUPPORTED EVERY 6' MAX. AND WITHIN 12" OF BOXES.
 - ALL EXPOSED WIRING DOWN TO PANELS SHALL BE IN CONDUIT.

SYSTEM GROUNDING:

- GROUNDING SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2008 NATIONAL ELECTRIC CODE
- GROUNDING SHALL GENERALLY BE ACCOMPLISHED THROUGH GROUND WIRE IN CONDUIT OR NMC SYSTEM. ALL MOTOR FRAMES AND NON CURRENT CARRYING METALLIC PARTS OF ELECTRICAL APPARATUS SHALL BE GROUNDED.
- GROUNDING POLE OF EACH RECEPTACLE SHALL BE CONNECTED TO ITS OUTLET BOX WITH A BONDING JUMPER AND APPROVED CLAP OR GROUND SCREW. OUTLETS USING APPROVED SELF-GROUNDING SCREWS WILL BE ACCEPTABLE.
- A SEPARATE CODE SIZE GREEN GROUNDING CONDUCTOR SHALL BE RUN IN ALL RACEWAYS AND CONNECTED AT EACH END TO METALLIC GROUND IN AN APPROVED MANOR.

WIRING DEVICES:

- LOCAL SWITCHES SHALL BE RATED 20 AMPERES 120/277 VOLT "AC" ONLY, QUITE OPERATION ONLY, WITH TOGGLE HANDLE. SWITCHES SHALL BE SINGLE POLE OR 3-WAY AS REQUIRED. MOUNT ALL NE SWITCHES AT 42" ABOVE FINISHED FLOOR TO CENTER LINE, UNLESS NOTED OTHERWISE.
- ALL LOCAL SWITCHES SHALL BE IVORY IN COLOR WITH AN IVORY LEXAN COVER PLATE, UNLESS NOTED OTHERWISE.
- CONVENIENCE RECEPTACLES SHALL BE "U" SLOT GROUNDING TYPE, DUPLEX, RATED AT 20 AMPS AT 125 VOLTS. MOUNT CENTERLINE OF RECEPTACLE AT 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
- ALL CONVENIENCE RECEPTACLES SHALL BE IVORY IN COLOR WITH AN IVORY LEXAN COVER PLATE, UNLESS NOTED OTHERWISE.
- ALL DESIGNATED DEDICATED GROUND RECEPTACLES FOR COMPUTER EQUIPMENT SHALL BE ORANGE IN COLOR WITH AN IVORY LEXAN COVER PLATE.

GROUND FAULT PROTECTION:

- GROUND FAULT CIRCUIT INTERRUPTION PROTECTION TO BE PROVIDED BY MEANS OF LISTED GFCI CIRCUIT BREAKER OR GFCI DEVICE AT THE FOLLOWING LOCATIONS:
ALL NON-RESIDENTIAL KITCHEN OUTLETS
ALL RESTROOM LOCATIONS
ALL ROOFTOP RECEPTACLES
ALL OUTDOOR RECEPTACLES
COMMERCIAL GARAGES
- ALL DEVICES THAT ARE PROTECTED BY GFCI DEVICES CONNECTED IN SERIES ARE TO BE MARKED AS SUCH.

LIGHTING FIXTURES:

- THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE LIGHTING SYSTEM INCLUDING FIXTURES, REQUIRED ASSOCIATED APPURTEANCES, ALL LAMPS AND ALL ACCESSORY WIRING TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.
- ALL FIXTURE TYPES ARE SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE.
- FLUORESCENT TROFFERS SHALL BE FASTENED TO CEILING GRID WITH EITHER HURRICANE CLIPS OR WITH (2) SHEET METAL SCREWS DRIVEN THROUGH EACH END OF THE FIXTURE INTO THE CEILING GRID.
- ALL CEILING MOUNTED FIXTURES SHALL BE SUPPORTED FROM THE CEILING GRID AND NOT THE TILES. AUXILIARY SUPPORTING STEEL SHALL BE PROVIDED TO SPAN THE CEILING GRID TO ACCOMPLISH THIS.
- ALL FIXTURE LENSES, TRIMS, AND REFLECTORS SHALL BE CLEANED AND LEFT FREE FROM ALL DUST AND FINGER PRINTS.
- ALL LAMPS SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. LAMPS SHALL BE OF SIZE AND TYPE INDICATED IN THE FIXTURE SCHEDULE AND MANUFACTURED BY, SYLVANIA, GENERAL ELECTRIC, PHILIPS, OR WESTINGHOUSE.
- ALL INOPERABLE LAMPS IN ALL FIXTURES SHALL BE REPLACED WITH NEW AT THE COMPLETION OF PROJECT.

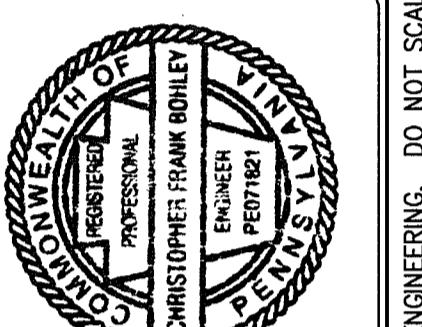
ELECTRICAL POWER SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER/ MODEL NO.	REMARKS
	DUPLEX RECEPTACLE	HUBBELL CR 201	WHITE LEXAN COVER
	ISOLATED GROUND RECEPTACLE	HUBBELL CR 5352IG	WHITE LEXAN COVER
	DUPLEX GFI RECEPTACLE	HUBBELL GF 5352 I	WHITE LEXAN COVER
	WEATHERPROOF DUPLEX GFI RECEPTACLE	HUBBELL GF 5352 I w/ WPCFL COVER	WEATHERPROOF RAISED SEE THRU COVER
	DUPLEX AFCI RECEPTACLE	--	--
	TELECOM OUTLET w/ 3/4" PVC COND. w/ PULL STRING TO ABOVE DROP CEIL.		WHITE FACEPLATE w/ (2) RJ45 & (2) RJ11 JACKS
	PHONE JACK w/ 3/4" PVC COND. w/ PULL STRING TO ABOVE DROP CEIL.		WHITE FACEPLATE w/ (2) RJ45 & (2) RJ11 JACKS
	COAXIAL CABLE JACK w/ 3/4" PVC COND. w/ PULL STRING TO ABOVE DROP CEIL.		WHITE LEXAN COVER
	SINGLE WAY SWITCH	HUBBELL 1221 1	WHITE LEXAN COVER
	THREE WAY SWITCH	HUBBELL 1223 1	WHITE LEXAN COVER
	FOUR WAY SWITCH	HUBBELL 1224 1	WHITE LEXAN COVER
	DIMMING SWITCH	LUTRON AY 600 PHI	WHITE LEXAN COVER
	SINGLE WAY SWITCH	HUBBELL 1221 1	WHITE LEXAN COVER
	HOMERUN WITH PANELBOARD DESIGNATION		
	JUNCTION BOX		
	DISCONNECT		
	MAIN DISTRIBUTION PANEL w/ DESIGNATION		
	ELECTRICAL METER		

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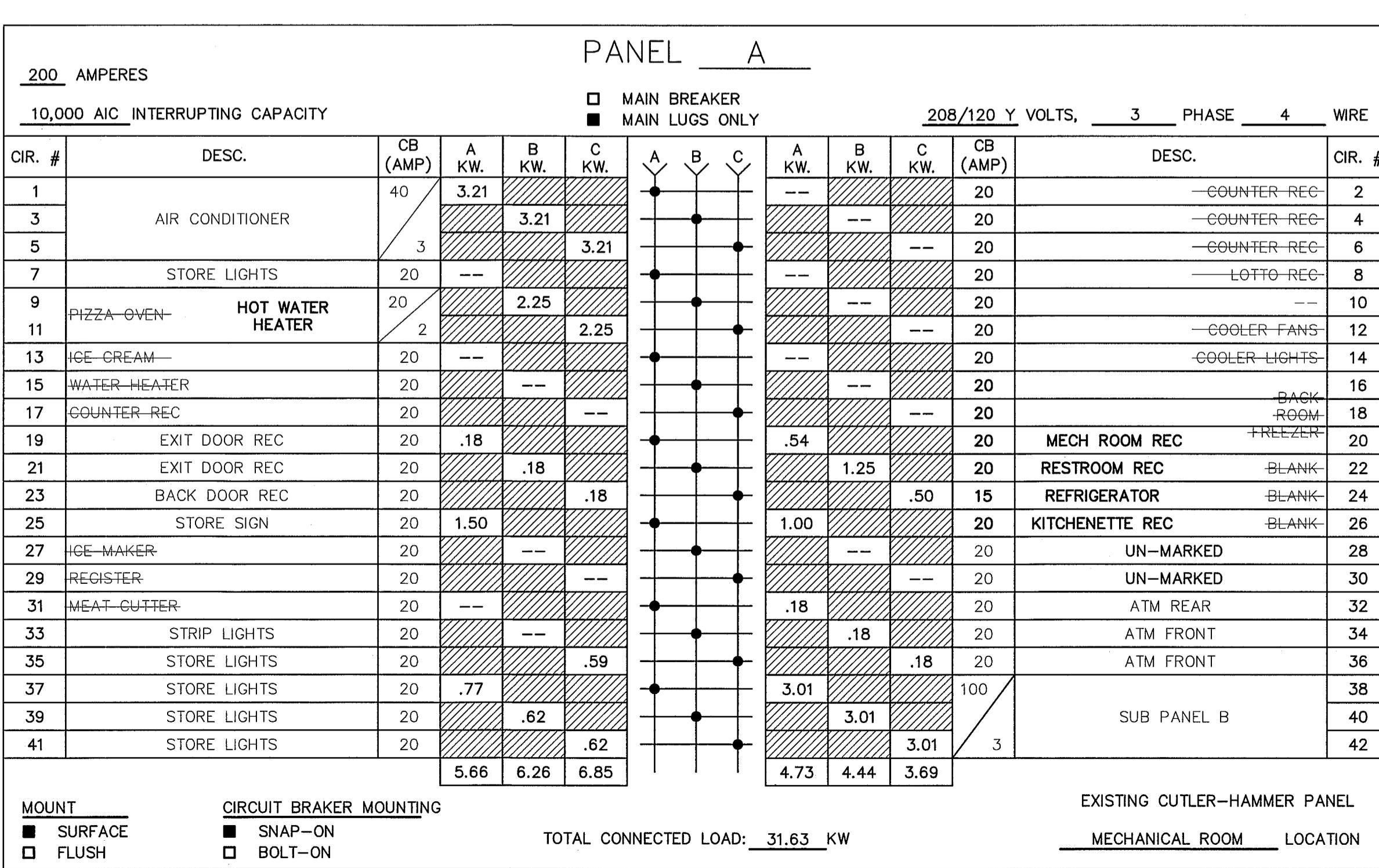
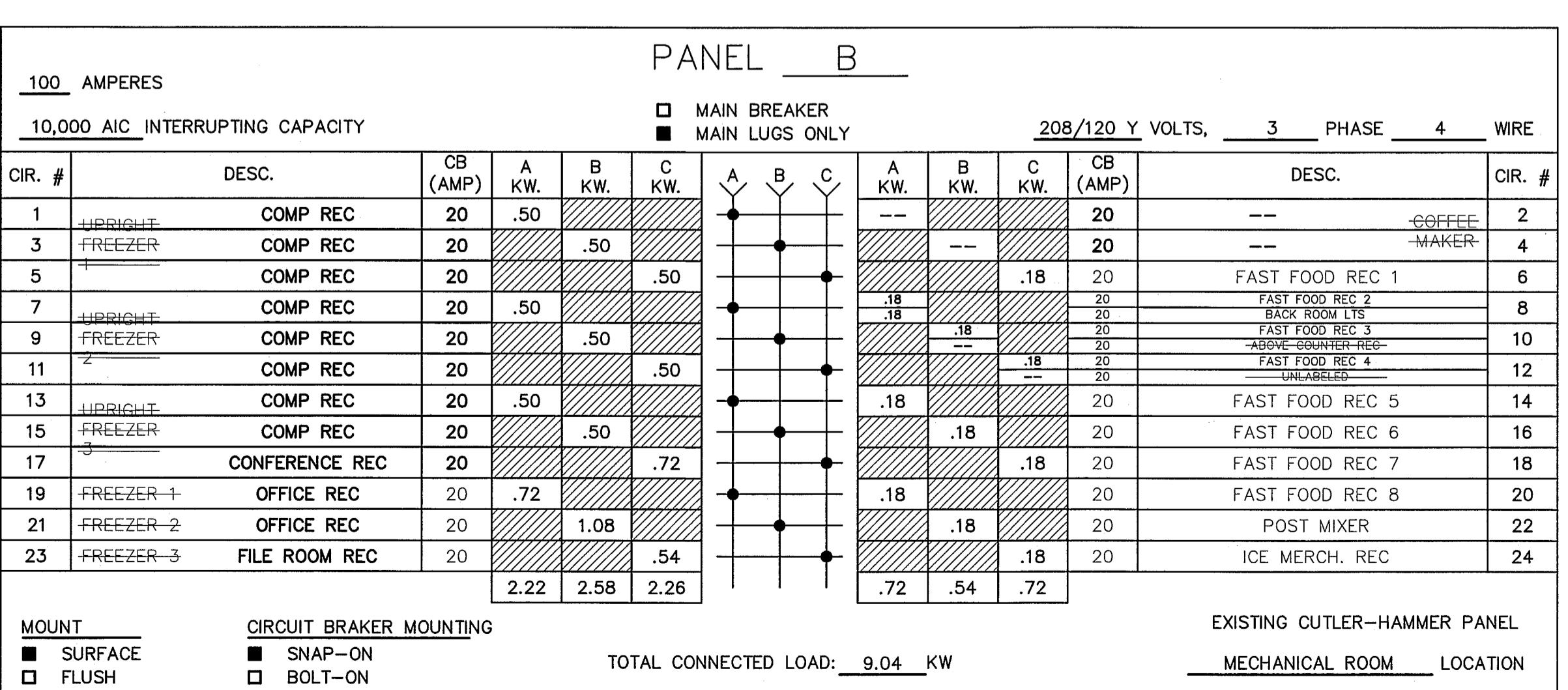
107 N. Front Street
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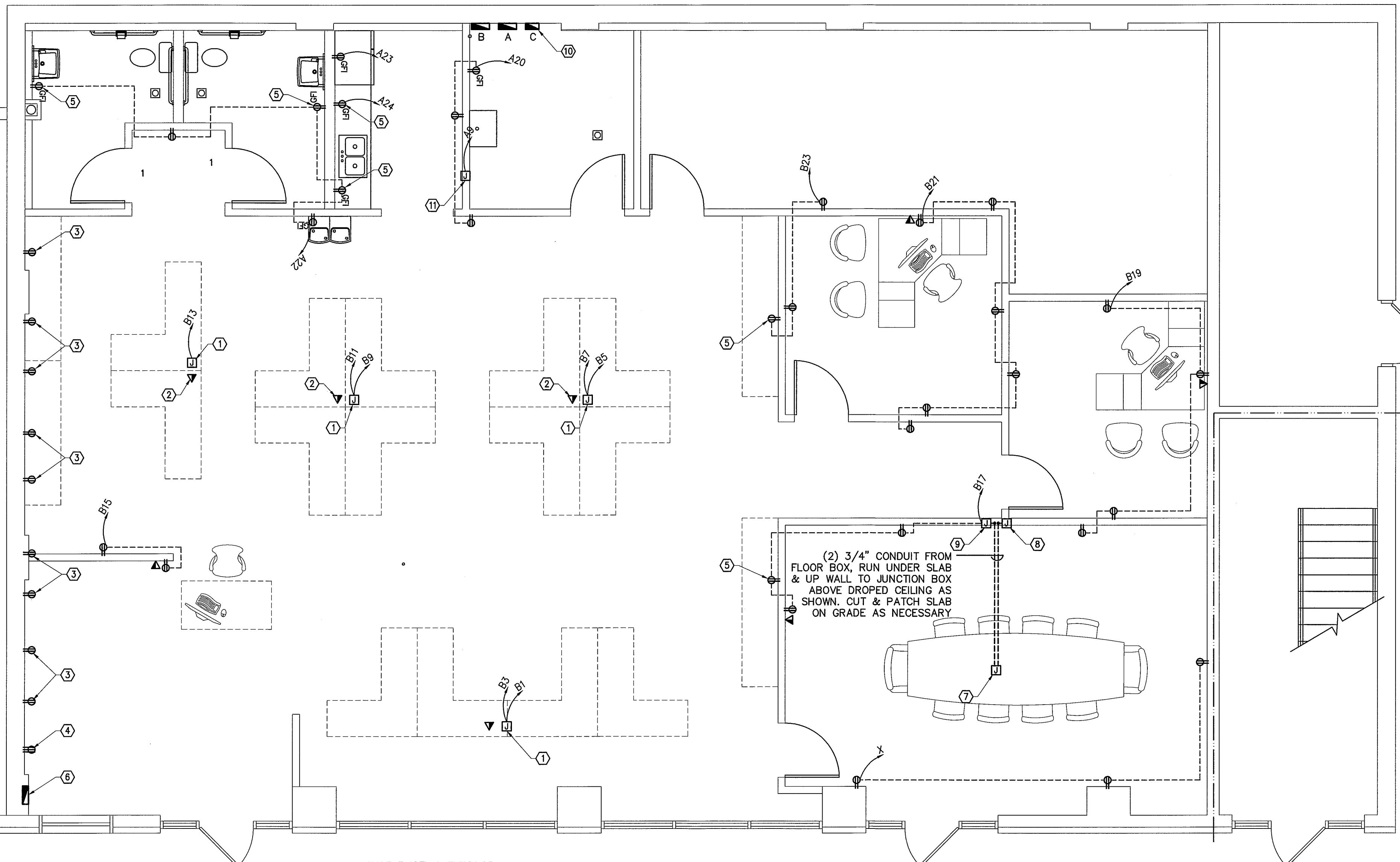
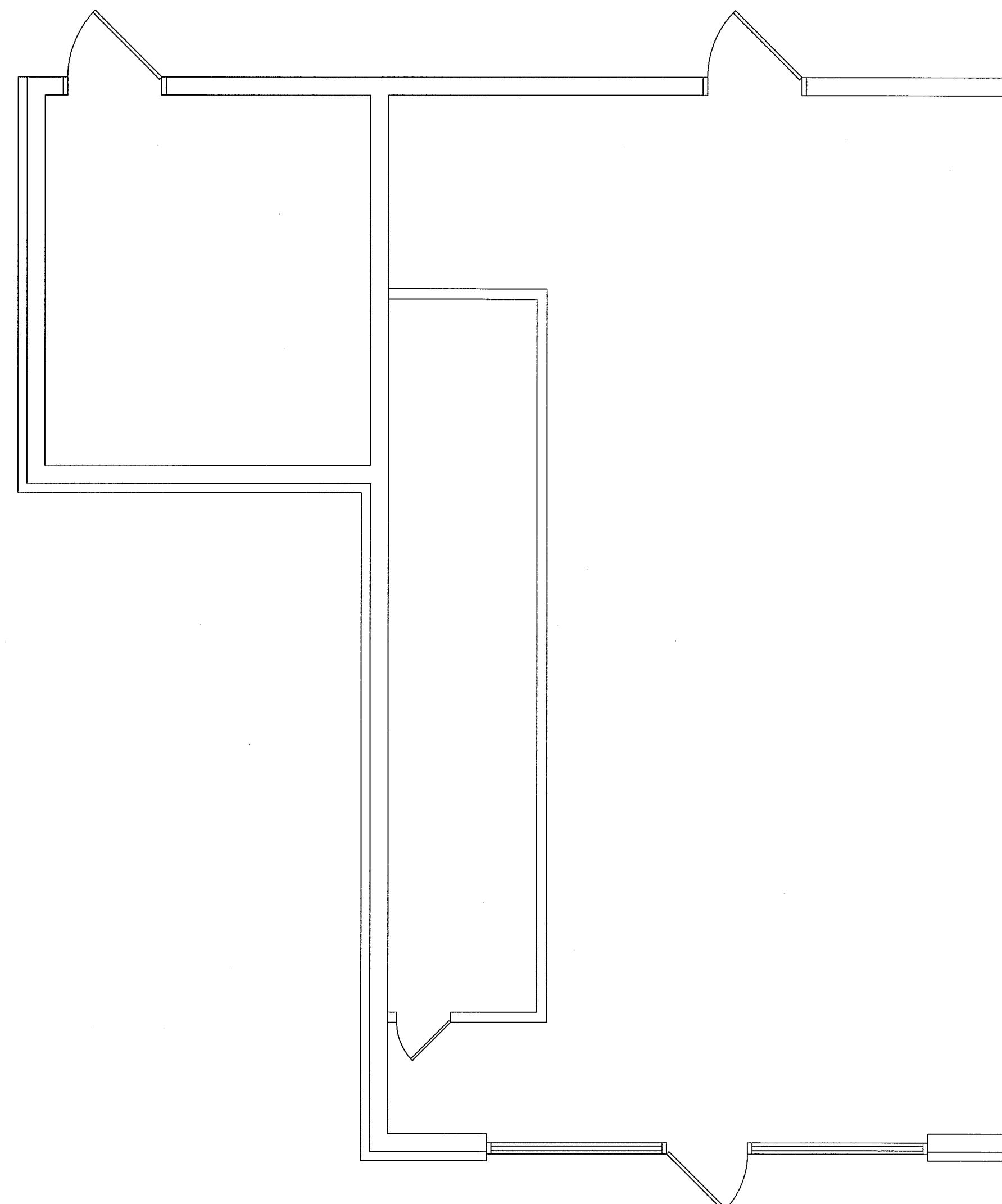


NO.	DRAWING ISSUE	DATE
BID SET	CODE SET	5/13/11

PROJECT:	MARKET SQUARE OFFICE BUILDING	LOCATION: CLEARFIELD, CLEARFIELD COUNTY, PENNA.	OWNER: CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION

PROJECT NO.: 11-025	DRAWN BY: CFB/MOR
DATE: 04/26/11	DESIGNED BY: CFB
SCALE: AS NOTED	CHECKED BY: CFB





FIRST FLOOR POWER PLAN
SCALE: 1/4" = 1'-0"

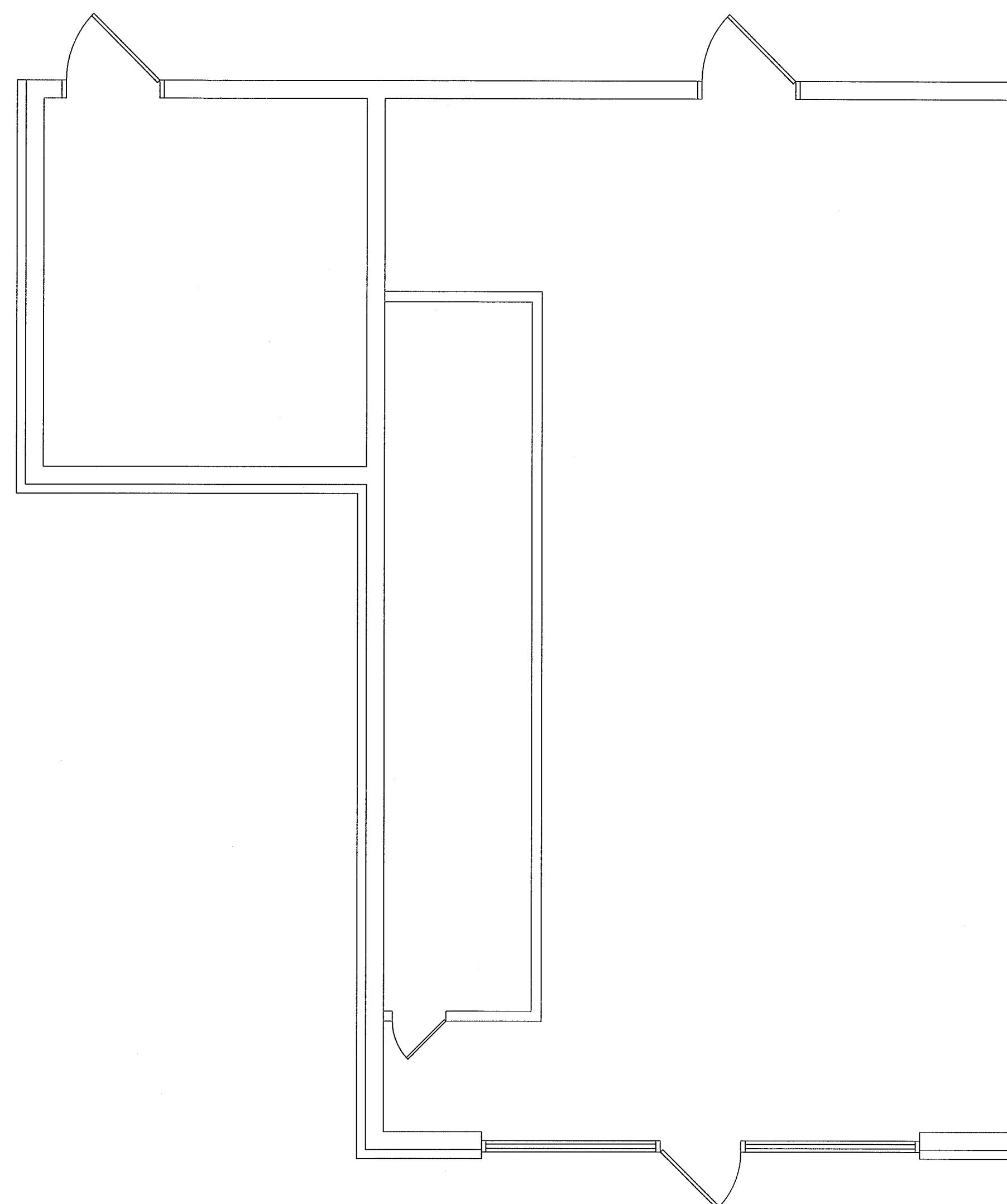
POWER PLAN SHEET NOTES:

- ① PROVIDE JUNCTION BOX ABOVE DROP CEILING. OWNER TO INSTALL POWER POLE TO FEED THEIR OFFICE FURNITURE RECEPTACLE TO BE MOUNTED UNDER COUNTER
- ② PROVIDE JUNCTION BOX ABOVE DROP CEILING. WITH 3/4" CONDUIT AND PULL STRING TO MECHANICAL ROOM FOR FUTURE TELECOM INSTALLATION
- ③ EXISTING COUNTER HEIGHT REC TO REMAIN. IT APPEARS THAT REC ARE FEED FROM EVEN CIRCUITS IN PANEL B. EC TO VERIFY AND UPDATE PB DIRECTORY ACCORDINGLY
- ④ EXISTING COUNTER HEIGHT 240 REC TO BE REMOVED. PULL ALL UNUSED CONDUCTORS. IT APPEARS THAT REC IS FED FROM B2/4, EC TO VERIFY.
- ⑤ EXISTING COUNTER HEIGHT 240 REC TO BE REMOVED. PULL ALL UNUSED CONDUCTORS. IT APPEARS THAT REC IS FED FROM B2/4, EC TO VERIFY.
- ⑥ EXISTING PETROLEUM PANEL TO BE VACATED. REMOVE PANEL AND ALL CONDUCTORS FEEDING PANEL AND BEING FED FROM PANEL. SEAL ALL CONDUIT RUNS FROM PANEL. IF POLE SIGN POWER IS FED FROM PANEL, SALVAGE CIRCUIT AND INSTALL JUNCTION BOX AND FEED BACK TO PANEL A.
- ⑦ HUBBELL SYSTEM ONE SHIELDED FLOOR BOX w/ (1) DUPLEX RECEPTACLE & (2) RJ45 CONNECTIONS
- ⑧ JUNCTION BOX FOR TELECOM WIRING ABOVE DROP CEILING. EXTEND 3/4" CONDUIT & PULL STRING TO MECHANICAL ROOM
- ⑨ JUNCTION BOX ABOVE DROP CEILING FOR POWER CONDUCTORS FEEDING FLOOR BOX
- ⑩ NO MODIFICATIONS TO PANEL C
- ⑪ JUNCTION BOX FOR HOTWATER HEATER ABOVE

PROJECT: MARKET SQUARE OFFICE BUILDING	
LOCATION: CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.	
OWNER: CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION	
TITLE: POWER PLAN	
PROJECT NO.: 11-025	DRAWN BY: CFB/MOR
DATE: 04/26/11	DESIGNED BY: CFB
SCALE: AS NOTED	CHECKED BY: CFB

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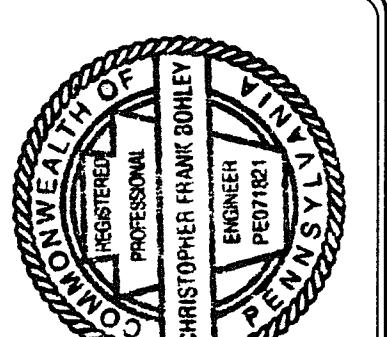
LIGHTING PLAN SHEET NOTES:
 ① FEED BATHROOM EXHAUST FANS FROM LIGHT SWITCH
 ② LIGHT FIXTURE TO BE SUSPENDED WITH CHAIN FROM FLOOR JOISTS ABOVE.

LIGHTING FIXTURE SCHEDULE

SYMBOL	Fixture Description	Manufacturer/ Model No.	Voltage	LAMP			BALLAST		Input Watts	Mounting**	Remarks
				Qty	Watt	Type	Size	Qty	Description*	Type	Ht.
4L3	2X4 LAYIN LENSED TROFFER, 3 LAMP	LITHONIA/2GT8 3 32 A12 MVOLT GEB101S	MULTI-VOLT	3	32	FL	T8	1	EB / IS / 10	88	R
4L2	2X4 LAYIN LENSED TROFFER, 2 LAMP	LITHONIA/2GT8 2 32 A12 MVOLT GEB101S	MULTI-VOLT	2	32	FL	T8	1	EB / IS / 10	59	R
4S2	4' STRIP LIGHT, 2 LAMP	LITHONIA/2EJ 2 32 MVOLT GEB101S	MULTI-VOLT	2	32	FL	T8	1	EB / IS / 10	59	H
PL1	SURFACE MOUNT FLUORESCENT	LITHONIA LITEPUFF 10851 U316 MVOLT GEB101S	MULTI-VOLT	2	31	FL	T8U	1	EB / IS / 10	59	S
EXIT	LED EXIT SIGN w/ EMER LIGHTS	LITHONIA LHQM S W 1 R 120 N	120	--	--	--	--	--	--	10	W
△	REMOTE HEAD	LITHONIA ELA MR24 K0606	120	--	--	--	--	--	--	10	W
EXIT	LED EXIT SIGN	LITHONIA LQM S W 1 R 120/277	120/277	--	--	--	--	--	--	10	W
↑	EMERGENCY WALL PACK	LITHONIA ELM618 SD N ELA LRT	120	--	--	--	--	--	--	10	W

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NO.	DRAWING ISSUE	DATE
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CODE SET		

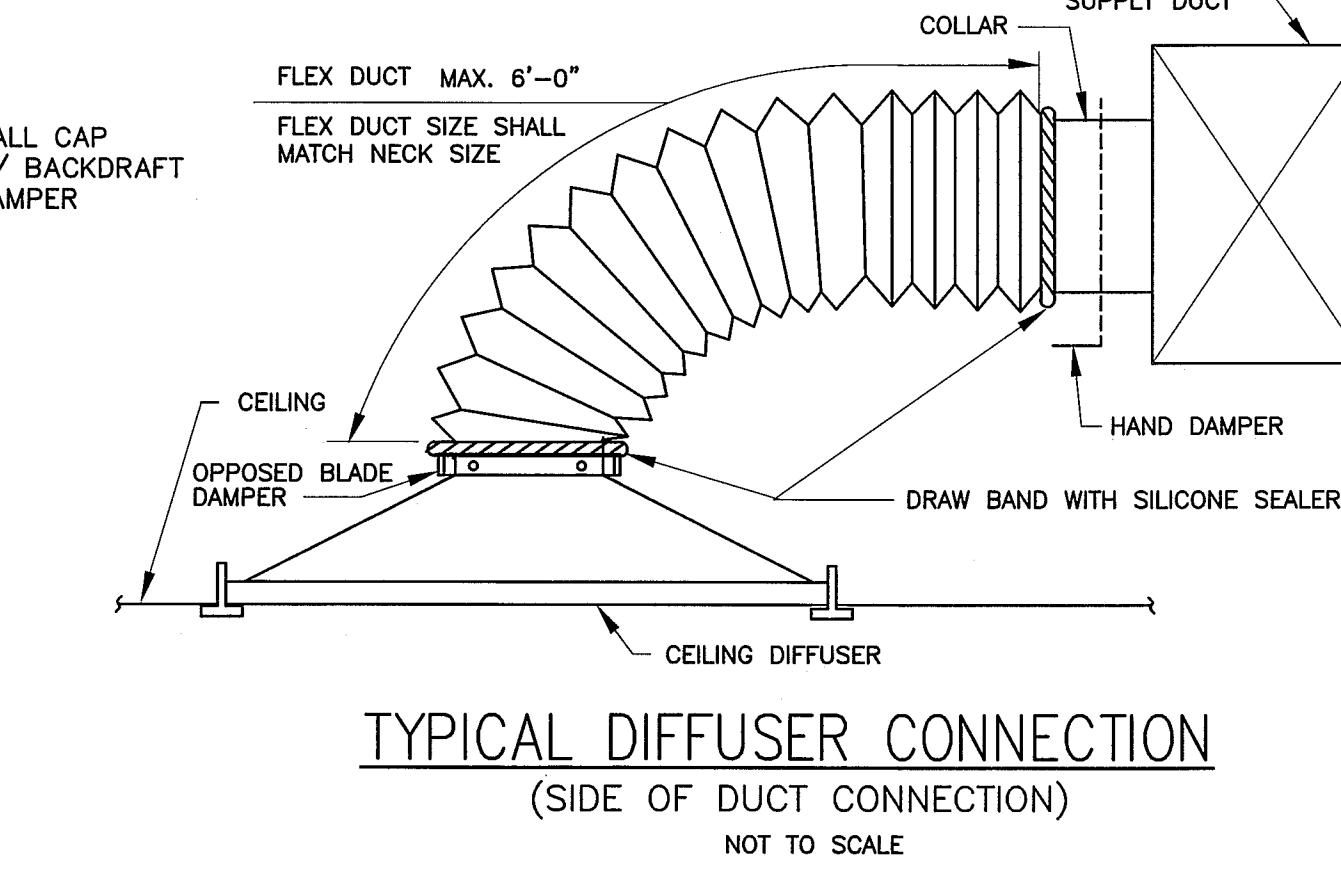
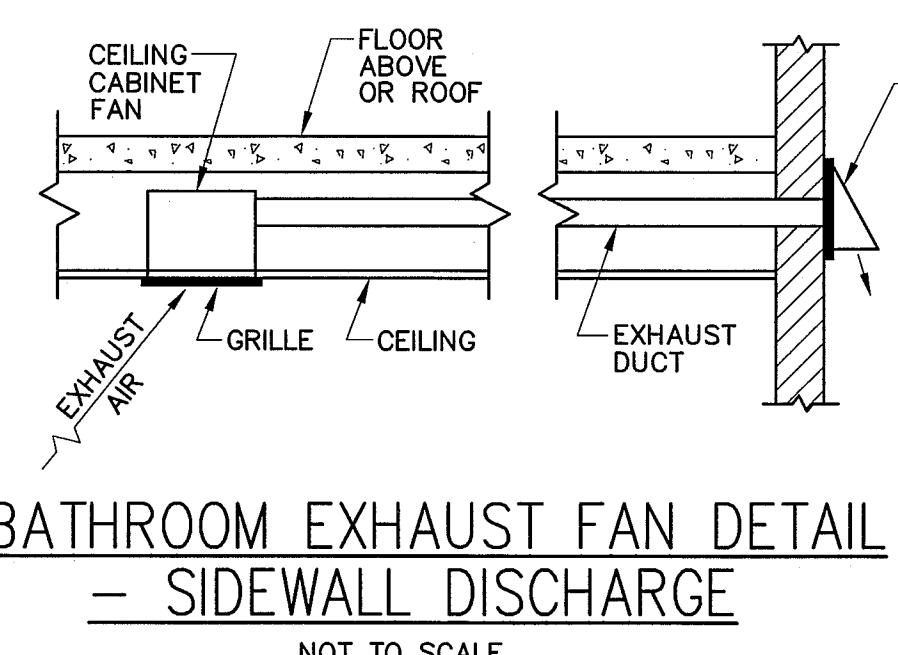
PROJECT:	MARKET SQUARE OFFICE BUILDING	
LOCATION:	CLEARFIELD, BOROUGH, CLEARFIELD COUNTY, PENNA.	
OWNER:	CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION	

LIGHTING PLAN		
PROJECT NO.: 11-025	DRAWN BY: CFB/MOR	DESIGNED BY: CFB
DATE: 04/26/11	CHECKED BY: CFB	SCALE: AS NOTED

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GENERAL MECHANICAL NOTES:

- ALL MECHANICAL WORK TO BE IN STRICT ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE (IMC) 2009.
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PIPING INSTALLATION:

- THESE CONTRACT DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY FITTING, VALVE, OFFSET, OR SIMILAR ITEMS AND DEVICES. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, PIPING AND DEVICES NECESSARY TO HAVE A COMPLETE AND OPERATING SYSTEM AS PART OF THIS CONTRACT. ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE AND SHALL HAVE NOT LESS THAN.
- BETWEEN THE FINISHED COVERING OF THE PIPE AND ALL OTHER WORK OR PIPING PROVIDE ALL PIPING OFFSETS NECESSARY TO AVOID INTERFERENCES WITH WORK OF THIS OR OTHER CONTRACTORS. PIPING OFFSETS SHALL INCLUDE ALL DEVICES AND ASSEMBLIES NECESSARY TO ACCOMMODATE THE CHANGE IN DIRECTION OF THE PIPING.
- ALL CONDENSATION DRAIN PIPING SHALL PITCH 1" PER 10'.

PIPING SYSTEMS:

- DRAIN PIPING
 - A. DRAIN PIPING FOR CONDENSATION SHALL BE TYPE "UNLV" COPPER TUBING WITH WROUGHT COPPER SWEAT FITTINGS WITH ALL JOINTS MADE WITH WONTOMONY SOLDER.
- REFRIGERANT PIPING
 - A) ALL REFRIGERANT PIPING SHALL BE TYPE "L" COPPER TUBING, TYPE ACR(CLEANED AND CAPPED), WROUGHT FITTING WITH ALL JOINTS MADE WITH SILVER SOLDER.

SHEET METAL:

- FABRICATE ALL DUCTWORK OF GALVANIZED SHEET STEEL. DUCT GAUGE, JOINTING AND REINFORCEMENT SHALL CONFORM TO TABLES AS APPLICABLE, CHAPTER 16 OF 1997 ASHRAE SYSTEMS AND EQUIPMENT HANDBOOK. CONSTRUCTION DETAILS SHALL CONFORM TO THE PRESSURE CLASSIFICATION SECTION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DUCT PRESSURE CONSTRUCTION SHALL BE 71.0" OR A MINIMUM OF 125% OF THE ACTUAL PRESSURE IN THE DUCT.
- SEAL ALL DUCT JOINTS AND SEAMS PER SMACNA CLASS AS RECOMMENDED BY SMACNA.
- ERECT DUCTWORK IN A FIRST-CLASS, WORKMANLIKE MANNER SECURED IN PLACE RIGIDLY AND PERMANENTLY. PROVIDE SUITABLE HANGERS, SECURELY ATTACHED TO BUILDING CONSTRUCTION WITH BOLTS, CLIPS, INSERTS, ANCHORS, STUDS OR FASTENERS IN ACCORDANCE WITH SMACNA RECOMMENDATIONS AND DETAILS. HANGERS SHALL BE RODS, STRUCTURAL SHAPES, FLAT BARS, OR FORMED STRAP HANGERS.
- PROVIDE SQUARE ELBOWS WITH DUCT TURNING VENES AT ALL CHANCES OF DIRECTION UNLESS SPECIFICALLY SHOWN OTHERWISE. RADIUS ELBOWS SHALL BE USED FOR ELBOWS LESS THAN 90° AND WHERE SHOWN. RADIUS ELBOWS SHALL "FULL" RADIUS TYPE (INSIDE RADIUS: $R=1.0$ X DUCT WIDTH) UNLESS PHYSICALLY RESTRICTED. DEVICES SHALL BE AS DETAILED IN SMACNA STANDARDS.
- DUCT TRANSITIONS AND OFFSETS SHALL BE GRADUALLY SLOPED AND SHALL NOT CHANGE IN SIZE AT AN ANGLE MORE THAN 15° FROM DUCT CENTERLINE.
- BRANCH DUCT TAKE-OFFS SHALL HAVE A 45 HEEL WHERE CONNECTING TO MAINS. HELL LENGTH SHALL BE THE SAME AS THE BRANCH WIDTH ON DUCTS 18" WIDE AND SMALLER AND 12" LONG ON LARGER DUCTS.
- Flexible connections of neoprene or other NFPA approved non-flammable fabric shall be provided in duct systems at all inlet and outlet connections of vibrating equipment. Flexible connector shall be as manufactured by BUPC/DYNE.

- Submit detailed shop drawing of all new and modified ductwork showing the work of other trades and existing conditions of the surrounding area. Provide all construction details, elevations, etc. as necessary to indicate the final coordinated installation. Drawings shall be 3/8" scale. Provide copies of completed sheetmetal shop drawings for review by all other trades. Coordinate all interferences before submitting shop drawings for engineer's review.
- Provide manual dampers in all branches and/or take-offs as necessary to facilitate balancing. Review requirements with balancing contractor. Motor operated dampers shall be CD-50.
- Provide duct access doors at all coils, control dampers, fire dampers, equipment requiring maintenance, or inspection. Access doors shall be 18" x 12" or in SME 24 volt smaller ducts, as large as possible. Insulated ducts shall have insulated, double wall doors with suitable frames.
- Provide fire dampers where indicated on the drawings and at all fire rated separations. dampers shall be 100% out of the air stream allowing full cross section of duct for air flow. install damper in strict accordance with the recommendations of the manufacturer. NFPA and underwriters laboratories. damper shall be ruskin mfg. co.

INSULATION:

- ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION, AND WITH A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE OF THE BUILDING. ALL JOINTS AND SEAMS SHALL BE SECURLY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTICS-PLUS-EMBEDDED-FABRIC SYSTEMS OR TAPES. TAPES SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL181A OR UL 181B
- COOLING COIL CONDENSATION DRAIN PIPING SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH A VAPOR-PROOF ALL SERVICE JACKET.
- REFRIGERATION PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION TYPE "K" ARMAFLEX MANUFACTURED BY ARMSTRONG. INSULATION SHALL RECEIVE TWO COATS OF A VINYL LACQUER FINISH. OUTDOORS, PROVIDE A FLOSS MESH FABRIC WITH ARMSTRONG #520 ADHESIVE AND TWO COATS OF "WB" ARMAFLEX FINISH IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

REGISTERS, GRILLES, DIFFUSERS AND LOUVERS:

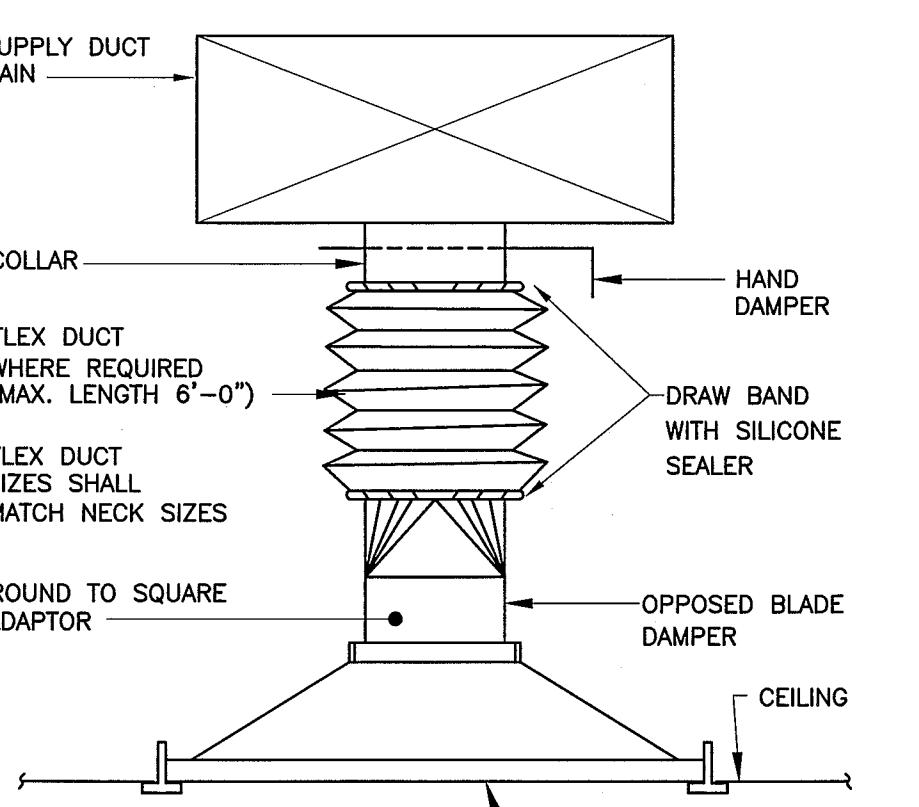
- NEW CEILING DIFFUSERS SHALL BE LOUVERED FACE TYPE OF STEEL CONSTRUCTION WITH STANDARD BLADED WHITE ENAMEL FINISH. UNIT SHALL BE SQUARE WITH DUCT COLLAR. DIFFUSERS SHALL BE AS SCHEDULED ON THE DRAWINGS.
- NEW SUPPLY AIR REGISTERS SHALL BE DOUBLE DEFLECTION DESIGN OF STEEL CONSTRUCTION HAVING HORIZONTAL FACE BARS AND VERTICAL BLADES BEHIND. OVERLAP MARGIN SHALL BE 1-1/4" WITH GASKET. PROVIDE INTEGRAL DAMPER, ADJUSTABLE FRO THE FACE USING A SCREWDRIVER. PROVIDE IN BAKED WHITE ENAMEL FINISH. REGISTERS SHALL BE AS SCHEDULED ON THE DRAWINGS.
- NEW RETURN AIR GRILLES SHALL BE OF STEEL CONSTRUCTION WITH +/- 42" DOWNWARD DEFLECTION HORIZONTAL FACE VARS. PROVIDE IN BAKED WHITE ENAMEL FINISH. REGISTER TO BE AS SCHEDULED ON THE DRAWINGS.
- NEW LOUVERS FOR INTAKE AIR SHALL BE FACTORY MANUFACTURED OF EXTRUDED ALUMINUM (BLADE & FRAME) AND SHALL BE WEATHER PROOF WITH DRAINABLE BLADES. LOUVER ASSEMBLY SHALL BE AMCA LICENSED AND SHALL BE 4" DEEP WITH ALUMINUM BIRD SCREEN. MAXIMUM FREE AREA VELOCITY SHALL NOT EXCEED 1000FPM. UNITS SHALL BE RUSKIN MFG. CO. #ELF-3750.

BALANCING:

- CONTRACTOR SHALL ENGAGE THE SERVICES OF AN INDEPENDENT AIR BALANCING FIRM THAT SHALL HAVE NO AFFILIATION WITH THE MECHANICAL CONTRACTOR AND SHALL BE A MEMBER OF THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) OR THE ASSOCIATED AIR BALANCE COUNCIL (AABC). CONTRACTOR SHALL TEST AND BALANCE SYSTEMS IN ACCORDANCE WITH SMACNA MANUAL. FOR THE BALANCING AND ADJUSTMENT OF AIR PATTERN REQUIRED. FURNISH & INSTALL NEW FILTERS BEFORE BALANCING SYSTEM. CONTRACTOR SHALL SUBMIT EIGHT(4) COPIES OF THE TEST RESULTS ON THE AIR BALANCING.
- BALANCING FOR DIFFUSERS, GRILLES, ETC. SHALL INCLUDE A DIAGRAM SHOWING LOCATION WITH ROOM NUMBERS OR A REFERENCE NUMBER. PROVIDE TABULATION OF THE REFERENCE NUMBER; DESIGN CFM; ACTUAL CFM; NECK SIZE; PATTERN; ETC.
- BALANCING CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND THE SHOP DRAWINGS TO DETERMINE LOCATIONS FOR DAMPERS NECESSARY FOR BALANCING. SUBMIT THESE REQUIREMENTS TO THE ENGINEER.

AUTOMATIC TEMPERATURE CONTROLS:

- PROVIDE A COMPLETE SYSTEM OF ELECTRIC AUTOMATIC TEMPERATURE CONTROLS FOR H.V.A.C. SYSTEMS. FURNISH ALL DRAWINGS, MATERIALS, THERMOSTATS, SWITCHES, DAMPER MOTORS, TRANSFORMERS, RELAYS, CONTROL WIRING, POWER WIRING AND CONTROLLING DEVICES NECESSARY FOR THE INSTALLATION OF THE AUTOMATIC TEMPERATURE CONTROL SYSTEM. ALL OPERATING AND SAFETY CONTROLS SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR.
- THERMOSTATS SHALL BE 7 DAY, 24 HOUR PROGRAMABLE 24 VOLT ELECTRIC, WALL MOUNTED 4"-6" ABOVE FINISHED FLOOR WITH LOCKING KEYBOARD FUNCTION (LOCKED OFF). PROVIDE SYSTEM THERMOSTAT WITH SUB-BASE INCLUDING FAN SWITCH (ON-AUTO POSITION) AND SYSTEM SWITCH (HEAT-OFF-COOL-AUTO POSITION). HEAT AND COOL SETPOINTS SHALL INCLUDE A BUILT-IN DEAD BAND.
- MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTORS FURNISHED BY ELECTRICAL CONTRACTOR IN THE RETURN DUCT OF ALL UNITS WITH A SUPPLY AIR RATE <= 2000CFM. DETECTORS SHALL FUNCTION TO SHUT DOWN THE A.C. UNIT. WIRING REQUIRED TO SHUTDOWN UNITS SHALL BE BY ATC CONTRACTOR. POWER WIRING AND CONNECTION OF CONTACTS FOR REMOTE ALARM AND REMOTE INDICATION TO BE PROVIDED BY ELECTRICAL CONTRACTOR.



AIR DISTRIBUTION DEVICE SCHEDULE						
SYMBOL	DESCRIPTION	SIZE	MAT'L	FINISH	AIR. PATT.	REMARKS
CD4	HART & COOLEY SRE DIFFUSER	24X24	STL	WHITE	4 WAY	--
RG1	HART & COOLEY PFTI RETURN AIR GRILLE	24X24	STL	WHITE	--	--
RG2	HART & COOLEY 659T RETURN AIR FILTER GRILLE	24X24	STL	WHITE	--	--

ELECTRIC WALL HEATER SCHEDULE						
SYMBOL	DESCRIPTION	CFM	BTU/HR	KW	V-PH-HZ	F.L.A.
EWH-1	QMARK CRA1512-T2	50	1280	.375	120-1-60	3.1
EWH-2	QMARK CRA1512-T2	50	1280	.375	120-1-60	3.1
EWH-3	QMARK CRA1512-T2	50	3838	1.125	120-1-60	9.4

CEILING MOUNTED EXHAUST FAN SCHEDULE						
SYMBOL	DESCRIPTION	CFM	RPM	SP H20	MOTOR	REMARKS
					HP	DRIVE
EF-1	BROAN 100MG	95	710	.125	--	DIRECT
EF-2	BROAN 100MG	95	710	.125	--	DIRECT

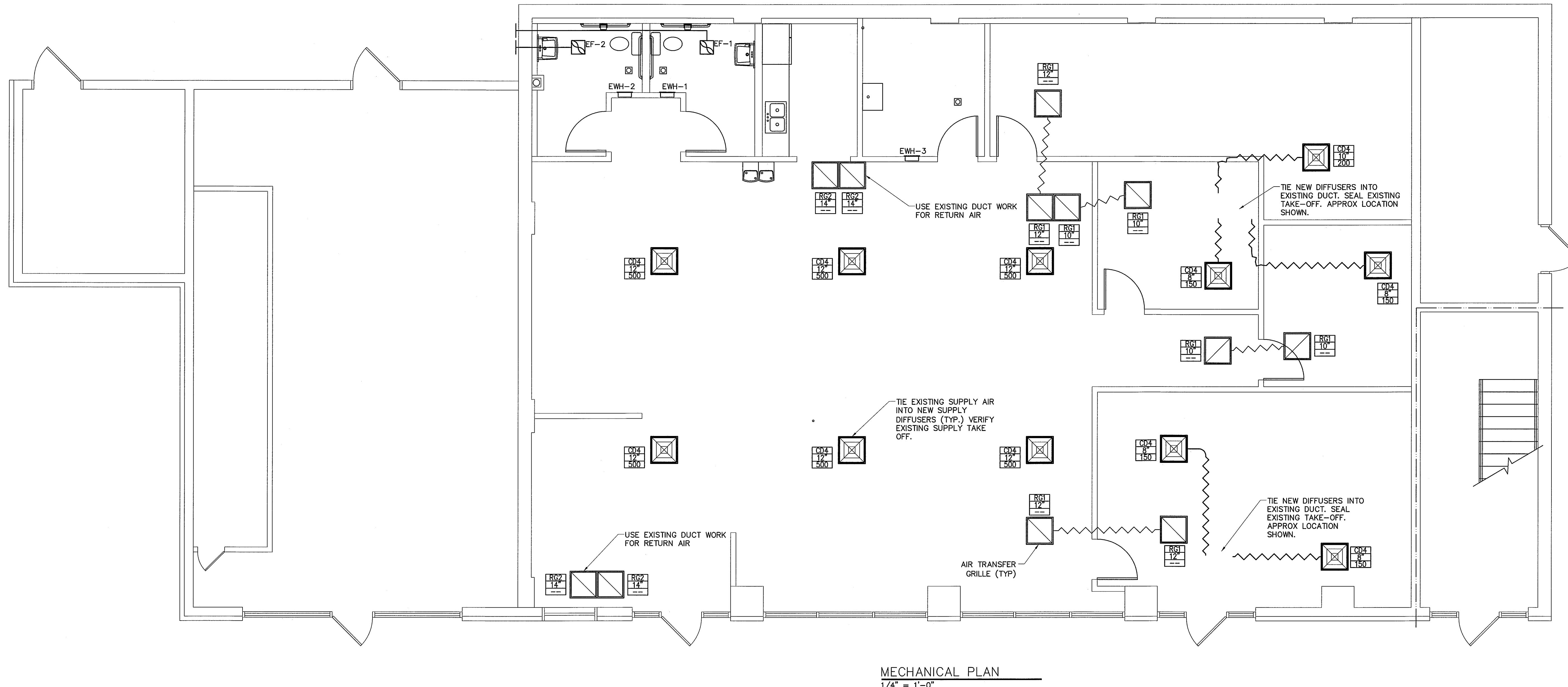
R. HUGHES ENGINEERING, P.C.
Consulting Engineers

107 N. Front Street
Clearfield, Pennsylvania 16830
Tel. (814) 765-8691, Fax (814) 765-8692

NO.	DRAWING ISSUE	DATE
BID SET	5/12/11	5/13/11
CODE SET		

MARKET SQUARE OFFICE BUILDING						
PROJECT:	LOCATION:	OWNER:	CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION			

MECHANICAL NOTES						
PROJECT NO.: 11-025	DRAWN BY: CFB/MOR	DESIGNED BY: CFB	SCALE: AS NOTED	CHECKED BY: CFB	TITLE: M001 1 OF 2	



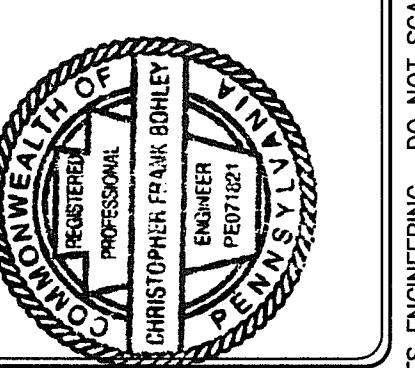
MECHANICAL PLAN

$$\overline{1/4''} = 1'-0''$$

Consulting Engineers
107 N. Front Street

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Clearfield, Pennsylvania 16830
Tel. (814) 765-8691, Fax (814) 765-8692



KET SQUARE OFFICE BUILDING

CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.

**CLEARFIELD COUNTY
ECONOMIC DEVELOPMENT
CORPORATION**

EOB THIS PROJECT ONLY AND MAY NOT BE USED FOR ANY OTHER PROJECT

MECHANICAL PLAN

PROJECT DATE: 04
SCALE: A
FEBR 1989

M101
2 OF 2

M101
2 OF 2

HUGHES ENGINEERING, RESERVE ITS LAWFUL RIGHTS TO THESE DRAWINGS. THESE DRAWINGS ARE PREPARED FOR THIS PROJECT ONLY AND MAY NOT BE USED FOR ANOTHER PROJECT WITHOUT THE WRITTEN CONSENT OF HUGHES ENGINEERING. DO NOT SCALE DRAWINGS.

GENERAL PLUMBING NOTES:

- ALL PLUMBING WORK TO BE IN STRICT ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE 2009.
- THESE DRAWINGS ARE BASED ON AVAILABLE DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT, PIPING, AND ACCESSORY LOCATIONS AND MAKE NECESSARY ADJUSTMENTS AS REQUIRED TO SUIT FIELD CONDITIONS.
- ALL PIPING, EQUIPMENT, ETC. ON THESE DRAWINGS IS SHOWN SCHEMATICALLY AND IS NOT INTENDED TO ILLUSTRATE ALL REQUIRED APPURTAINANCES. LOCATIONS OF PIPING, EQUIPMENT AND APPURTAINANCES ARE RELATIVE ONLY.
- THE PLUMBING CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING WORK. ANY ERRORS OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS AND DIMENSIONS.
- THE PLUMBING CONTRACTOR SHALL COORDINATE THE WORK BETWEEN ALL OTHER TRADES. ALL WORK SHALL BE SO ARRANGED THAT THERE WILL BE NO DELAY IN THE PROPER COMPLETION OF THE PROJECT.
- THE PLUMBING CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THE PLUMBING OPERATIONS, ON A DAILY BASIS OR AS DIRECTED BY THE CONSTRUCTION MANAGER OR OWNER.
- THE PLUMBING CONTRACTOR SHALL COOPERATE WITH ALL OTHER TRADES TO ENSURE THAT THE FACILITY REMAINS SAFE AND IS IN COMPLIANCE WITH OSHA REGULATIONS AT ALL TIMES.
- WHEREVER THE TERM PROVIDE IS USED, IT SHALL MEAN FURNISH AND INSTALL IN PLACE, COMPLETE IN ALL DETAILS, AND READY FOR USE.
- DURING CONSTRUCTION, MAINTAIN AN ACCURATE UP-TO-DATE "AS-BUILT" RECORD OF THE INSTALLED LOCATIONS OF ALL WORK AND DEVIATIONS, MARKED IN RED ON A SET OF CONTRACT DOCUMENTS.
- ALL SHOP DRAWINGS ARE TO BE SUBMITTED PRIOR TO ORDERING AND INSTALLATION OF WORK.
- VERIFY PLUMBING CONNECTION REQUIREMENTS OF EACH PIECE OF EQUIPMENT BEFORE ROUGH-IN.
- COORDINATE ANY AND ALL UTILITY OR SYSTEM SHUT DOWNS WITH THE OWNER.
- ALL MATERIALS AND EQUIPMENT SHALL BE PROPERLY AND EFFECTIVELY PROTECTED AT ALL TIMES DURING THE EXECUTION OF THE WORK. OPENINGS IN ALL PIPES SHALL BE CLOSED BEFORE LEAVING THE WORK AT ANY TIME SO AS TO PREVENT THE ENTRANCE OF ANY FOREIGN MATTER.
- ALL INSTALLATION AND DEMOLITION WORK SHALL BE PERFORMED IN A NEAT, WORKMANLIKE MANNER SO AS NOT TO DAMAGE ANY NEW OR EXISTING SURFACES, EQUIPMENT, ETC. ANY DAMAGE RESULTING FROM THE INSTALLATION WORK, SHALL BE REPAIRED TO LIKE NEW OR ORIGINAL CONDITIONS.
- EQUIPMENT FOUNDATIONS, SUPPORTS, AND INSTALLATIONS SHALL BE AS PER WRITTEN MANUFACTURER'S SPECIFICATIONS.
- PROVIDE STEEL SLEEVES FOR PIPING PASSING THROUGH FOUNDATION WALLS. SLEEVES SHALL BE TWO SIZES LARGER THAN THE PIPE PASSING THROUGH. SEAL ANNULAR SPACE BETWEEN PIPE AND SLEEVE WATERTIGHT WITH EXPANDABLE FOAM INSULATION AND ELASTOMERIC CAULK.
- ALL PIPING OR SIMILAR THROUGH PENETRATIONS OF ALL FIRE RATED WALLS ASSEMBLIES SHALL BE PATCHED WITH A LISTED FIRE STOPPING SYSTEM TO ACHIEVE A TIGHT SEAL THAT WILL MAINTAIN THE FIRE RESISTANCE RATING OF THE ASSEMBLY CONTAINING THE PENETRATION. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATING INDICATIONS.
- PRIOR TO FINAL ACCEPTANCE OF WORK, A WRITTEN STATEMENT SHALL BE FURNISHED TO THE OWNER GUARANTEEING ALL EQUIPMENT AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR. UPON NOTICE FROM THE OWNER, THE CONTRACTOR SHALL PROMPTLY MAKE GOOD ALL DEFECTIVE WORKMANSHIP AND REPLACE ALL DEFECTIVE MATERIALS DURING THAT PERIOD.
- ALL HOT WATER HEATERS SHALL BE EQUIPPED WITH A PRESSURE AND TEMPERATURE (P&T) RELIEF VALVE. THE P&T VALVE IS TO BE PIPED WITHIN 12" ON THE FLOOR.
- HOT WATER SYSTEM TEMPERATURE TO BE CONTROLLED AT 140°F MAX. WHEN EQUIPMENT REQUIRES TEMPERATURES ABOVE 140°F, AUTOMATIC MIXING VALVES SHALL BE UTILIZED TO TEMPER WATER FOR DOMESTIC USE.
- ALL COLD WATER CONNECTIONS TO HOT WATER RANKS SHALL BE PROVIDED WITH BOTH A FULL OPEN VALVE AND APPROVED BACKFLOW PROTECTION.
- ALL HOTWATER TANKS ARE TO BE INSTALLED WITH AN EXPANSION TANK LOCATED AFTER THE BACKFLOW PROTECTION.
- ALL CONNECTIONS TO BOILERS SHALL BE PROVIDED WITH BACKFLOW PROTECTION IN ACCORDANCE WITH 608.16.2 OF IPC 2003.
- ALL SILLCOCKS AND HOSE BIBS SHALL BE PROVIDED WITH A VACUUM BREAKER DEVICE.
- ALL CONNECTIONS TO AUTOMATIC FIRE SPRINKLER SYSTEMS SHALL BE PROVIDED WITH DOUBLE CHECK VALVE PROTECTION IN ACCORDANCE WITH 608.16.4 OF IPC 2003.

POTABLE WATER SUPPLY SYSTEM NOTES:

- CONTRACTOR SHALL CONDUCT PRESSURE TESTING OF THE POTABLE WATER SUPPLY SYSTEM IN ACCORDANCE WITH SECTION 312.5 OF THE IPC 2009.
- WATER SERVICE TO BE SEPARATED FROM THE BUILDING SEWER A MINIMUM OF: 5' HORIZONTAL OR 1' ABOVE THE TOP OF THE PIPE OF THE HIGHEST POINT OF THE SEWER.
- A PRESSURE REDUCING VALVE (PRV) IS TO BE INSTALLED ON THE MAIN WATER SERVICE LINE. THE PRV IS TO BE LOCATED DIRECTLY AFTER THE WATER METER AND SET TO 80 PSI MAX STATIC PRESSURE.
- WATER SERVICE PIPE TO BE TYPE K COPPER OR CEMENT LINE DUCTILE IRON PIPE.
- CONTRACTOR TO COORDINATE WATER SERVICE REQUIREMENTS WITH THE UTILITY COMPANY.
- TYPE L COPPER IS TO BE UTILIZED FOR ALL ABOVE GRADE POTABLE WATER SYSTEM PIPING. COLOR CODED PEX TUBING MAY BE USED AS PERMITTED BY CODE WITH APPROVAL OF ENGINEER.
- TYPE K COPPER IS TO BE USED FOR ALL BELOW GRADE WATER SUPPLY SYSTEM PIPING.
- ALL PIPING INSTALLED IN WALLS AND CEILINGS SHALL BE INSTALLED ON WARM SIDE OF INSULATION TO PREVENT FREEZING.
- ALL WATER SUPPLY SYSTEM PIPING SHALL BE SUPPORTED AS FOLLOWS:
 - COPPER - 1 1/4" AND SMALLER - 6' HORIZONTAL MAX. \ 10' VERTICAL MAX.
 - COPPER - 1 1/2" AND LARGER - 10' HORIZONTAL MAX. \ 10' VERTICAL MAX.
 - PEX TUBING TO BE SUPPORTED BASED ON MANUFACTURERS RECOMMENDATIONS AND IPC REQUIREMENTS
- EXPANSION JOINT FITTINGS SHALL BE USED ONLY WHERE NECESSARY TO PROVIDE FOR EXPANSION AND CONTRACTION OF THE PIPING.
- WATER HAMMER ARRESTORS SHALL BE INSTALLED AT ALL QUICK CLOSING VALVE LOCATIONS.
- FULL OPEN VALVES ARE TO BE INSTALLED IN THE FOLLOWING LOCATIONS:
 - ON BUILDING WATER SERVICE PIPE, NEAR THE CURB.
 - ON WATER SUPPLY PIPE AT ENTRANCE TO THE STRUCTURE.
 - ON DISCHARGE SIDE OF EVERY WATER METER.
 - ON BASE OF EVERY RISER PIPE.
 - ON TOP OF EVERY DOWN-FEED PIPE.
 - ON WATER SUPPLY PIPE TO EVERY WATER HEATER.
- SHUT OFF VALVES ARE TO BE INSTALLED IN THE FOLLOWING LOCATIONS:
 - ON FIXTURE SUPPLY OF EACH PLUMBING FIXTURE.
 - ON WATER SUPPLY PIPE TO EACH SILLCOCK.
 - ON WATER SUPPLY PIPE TO EACH APPLIANCE OR PIECE OF MECHANICAL EQUIPMENT.
- ACCESS IS TO BE PROVIDED TO ALL REQUIRED FULL OPEN AND SHUT OFF VALVES.

- HOT WATER SYSTEM PIPING TO BE INSULATED AS FOLLOWS:
 - UPTO 1 1/4" - 1" TK FIBERGLASS WITH WRAP
 - 1 1/2" TO 2" - 1 1/2" TK FIBERGLASS WITH WRAP
 - OVER 2" - 2" TK FIBERGLASS WITH WRAP
- ALL HOT WATER HEATERS SHALL BE EQUIPPED WITH A PRESSURE AND TEMPERATURE (P&T) RELIEF VALVE. THE P&T VALVE IS TO BE PIPED WITHIN 12" ON THE FLOOR.
- HOT WATER SYSTEM TEMPERATURE TO BE CONTROLLED AT 140°F MAX. WHEN EQUIPMENT REQUIRES TEMPERATURES ABOVE 140°F, AUTOMATIC MIXING VALVES SHALL BE UTILIZED TO TEMPER WATER FOR DOMESTIC USE.
- ALL COLD WATER CONNECTIONS TO HOT WATER RANKS SHALL BE PROVIDED WITH BOTH A FULL OPEN VALVE AND APPROVED BACKFLOW PROTECTION.
- ALL HOTWATER TANKS ARE TO BE INSTALLED WITH AN EXPANSION TANK LOCATED AFTER THE BACKFLOW PROTECTION.
- ALL CONNECTIONS TO BOILERS SHALL BE PROVIDED WITH BACKFLOW PROTECTION IN ACCORDANCE WITH 608.16.2 OF IPC 2003.
- ALL SILLCOCKS AND HOSE BIBS SHALL BE PROVIDED WITH A VACUUM BREAKER DEVICE.
- ALL CONNECTIONS TO AUTOMATIC FIRE SPRINKLER SYSTEMS SHALL BE PROVIDED WITH DOUBLE CHECK VALVE PROTECTION IN ACCORDANCE WITH 608.16.4 OF IPC 2003.

SANITARY DRAIN AND VENT SYSTEM NOTES:

- CONTRACTOR SHALL CONDUCT PRESSURE TESTING OF THE SANITARY DRAIN AND VENT SYSTEM IN ACCORDANCE WITH SECTION 312.3 OR 312.4 OF THE IPC 2009.
- ALL DRAIN AND VENT SYSTEM PIPING SHALL BE PVC SCH 40 TYPE DWV.
- SANITARY PIPING TO BE INSTALLED AT THE FOLLOWING MINIMUM SLOPES, UNLESS NOTED OTHERWISE:
 - 2 1/2" AND SMALLER - 1/4" PER 1'
 - 3" TO 6" - 1/8" PER 1'
 - 8" AND LARGER - 1/16" PER 1'
- WHEN JOINING, JOINT SURFACES TO BE CLEAN AND FREE FROM MOISTURE. PURPLE PRIMER IS TO BE APPLIED FOLLOWED BY NON-PURPLE SOLVENT CEMENT.
- CLEANOUTS ARE TO BE PROVIDED NOT MORE THAN 100' APART AND AT CHANGES OF DIRECTION GREATER THAN 45°.
- ALL CLEANOUTS TO BE THE SAME NOMINAL SIZE OF THE PIPE THEY SERVE.
- ALL CLEANOUTS ARE TO BE INSTALLED WITH A MINIMUM CLEARANCE OF 18" FROM WALLS OR OBSTRUCTIONS.
- A 4" CLEANOUT IS TO BE LOCATED APPROXIMATELY 5' OUTSIDE THE BUILDING LINE.
- ALL FLOOR DRAINS TO HAVE DEEP SEAL TRAPS.
- ALL VENT PIPING TO BE SLOPED TO DRAIN BACK TO THE DRAINAGE PIPING BY GRAVITY.
- PROVIDE A MINIMUM OF 10' CLEARANCE FROM VENT PIPING OUTLETS TO ALL FRESH AIR INTAKES. PLUMBING CONTRACTOR COORDINATE VENT LOCATIONS WITH ALL OTHER TRADES.

SYMBOLS

	COLD WATER		NONFREEZE WALL HYDRANT
	HOT WATER		HOSE BIB
	SANITARY		EQUIPMENT/FIXTURE TAG
	VENT		THERMOMETER w/ WELL
	FULL OPEN BALL VALVE		PRESSURE GAGE. w/ COCK AND SNUBBER
	DOUBLE CHECK VALVE		FLOOR DRAIN
	PRESS. TEMP. RELIEF VALVE		WATER HAMMER ARRESTER
	PIPE ELBOW UP		FLOOR CLEANOUT
	PIPE ELBOW DOWN		WALL/HORIZONTAL CLEANOUT
	PIPE REDUCER		DETONES CONNECTION OF NEW TO EXISTING
	UNION		
	PRESSURE REDUCING VALVE		

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	HB	HOSE BIB	OCC	OCCUPIED	V	VOLTS
AFG	ABOVE FINISHED GRADE	HD	HEAD	VAC	VACUUM		
AHU	AIR HANDLING UNIT	HP	HORSE POWER	PC	PLUMBING CONTRACTOR	VCP	VITRIFIED CLAY PIPE
		HT	HEIGHT	PD	PRESURE DROP	VEL	VELOCITY
BFF	BRITISH THERMAL UNIT	HW	HOT WATER	PRES	PRESURE	VOLT	VOLTAGE
CA	COMPRESSED AIR	HWR	HOT WATER RETURN	PSI	POUNDS PER SQUARE INCH	VTR	VENT THROUGH ROOF
CFH	CUBIC FEET PER HOUR	HZ	HERTZ	PS	PRESURE SWITCH		
CFM	CUBIC FEET PER MINUTE	ID	INSIDE DIAMETER	PVC	POLYVINYL CHLORIDE	w/	WITH
CW	COLD WATER	INV	INVERT	RD	ROOF DRAIN	w/o	WITHOUT
DEMO	DEMOLITION	KW	KILOWAT	RPM	REVOLUTIONS PER MINUTE	WC	WATER COLUMN
DIA	DIAMETER	LB	POUND	RWC	RAIN WATER CONDUCTOR	WG	WATER GAUGE
DN	DOWN	LBS/H	ROUNDS PER HOUR			WH	WATER HEATER
DWG	DRAWING						
(E)	EXISTING	MBH	THOUSANDS OF BTU'S PER HOUR	SP	SANITARY		
*F	DEGREES FAHRENHEIT	MC	MECHANICAL CONTRACTOR	SPC	STATIC PRESSURE		
FPM	FEET PER MINUTE	MAX	MANUFACTURER	SS	SPRINKLER CONTRACTOR		
FPS	FEET PER SECOND	MFR		ST	STAINLESS STEEL		
FT	FEET	MIN		TC	STORM		
GC	GENERAL CONTRACTOR	MTD	MOUNTED	TEMP	TERRA COTTA		
GND	GROUND	NRS	NON RISING STEM	TP	TEMPERATURE		
GPD	GALLONS PER DAY	NC	NORMALLY CLOSED	TYP	TOTAL PRESSURE		
GPH	GALLONS PER HOUR	NIC	NOT IN CONTRACT	UV	TYPICAL		
GPM	GALLONS PER MINUTE	NO	NORMALLY OPEN				
		NTS	NOT TO SCALE				

PLUMBING FIXTURE SCHEDULE

TAG	Fixture Type	Plumbing Service			Note	Fixture Manufacturer /Model No.	Fitting Manufacturer /Model No.	Accessories
		Cold	Hot	Waste				
	ADA WATER CLOSET- FLR. MTD, PRESS.-ASSIST, ELONGATED, VIT. CHINA.	1/2"	--	3"	2"	3,5	MANSFIELD / QUANTUM ONE #148-153	FLUSHMATE IV FLUSHOMETER TANK HEAVY DUTY TOILET SEAT, SPLIT FRONT, FOR ELONGATED BOWL.
	ADA LAVATORY- SELF RIMMING, CENTERSET, VITREOUS CHINA.	1/2"	1/2"	1-1/2"	1-1/2"	1,5	AMERICAN STANDARD / CADET #0419.444	AMERICAN STANDARD / HERITAGE #5402.142H BRASS ANGLE STOPS WITH HANDLE OPERATOR, CHROME FINISH, WITH .5 GPM AERATOR, GRID DRAIN.
	SINK ADA- DOUBLE BOWL STAINLESS STEEL, SELF RIMMING.	1/2"	1/2"	1-1/2"	1-1/2"	2,5	ELKAY / LRAD-3319 6" DEEP BOWL	AMERICAN STANDARD / 4400.641 PROVIDE FAUCET WITH 2.5 GPM AERATOR. 3-1/2" DRAIN w/ REMOVABLE CRUMB CUP & HAND SPRAY.
	FLOOR DRAIN- CAST IRON BODY, SATIN FINISH NIKALLOY 6" STRAINER	--	--	3"	1-1/2"	--	JOSAM/30000-A OR -S	-- SQUARE TOP IN TILED AREAS OTHERWISE USE ROUND PIPE WITH DEEP SEAL TRAP. PROVIDE FUNNEL AS REQUIRED.
	UTILITY SINK- FLOOR MOUNTED POLYPROPYLENE	1/2"	1/2"	1-1/2"	1-1/2"	--	SWAN / PT-1/BC-4000	AMERICAN STANDARD / 7573.140 PROVIDE LAUNDRY FAUCET WITH HOSE END AND BRASS HANDLE KNOB OPERATORS.

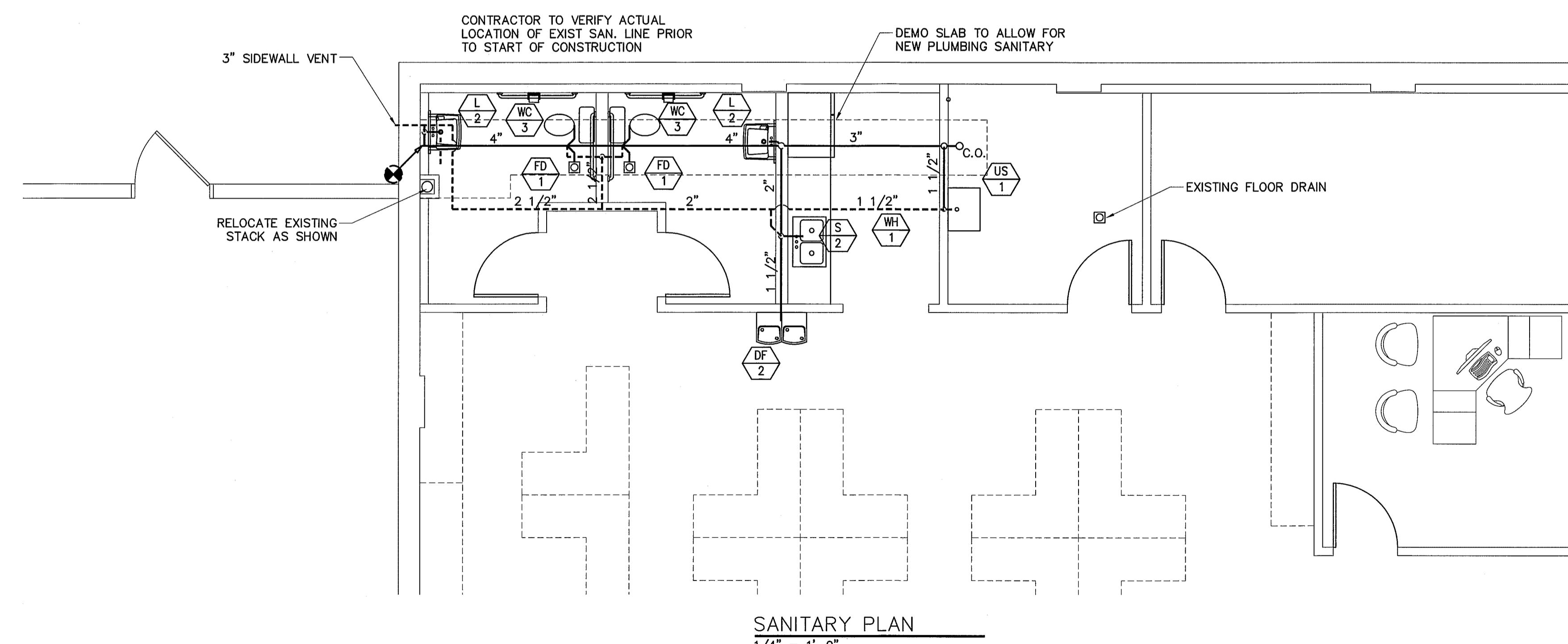
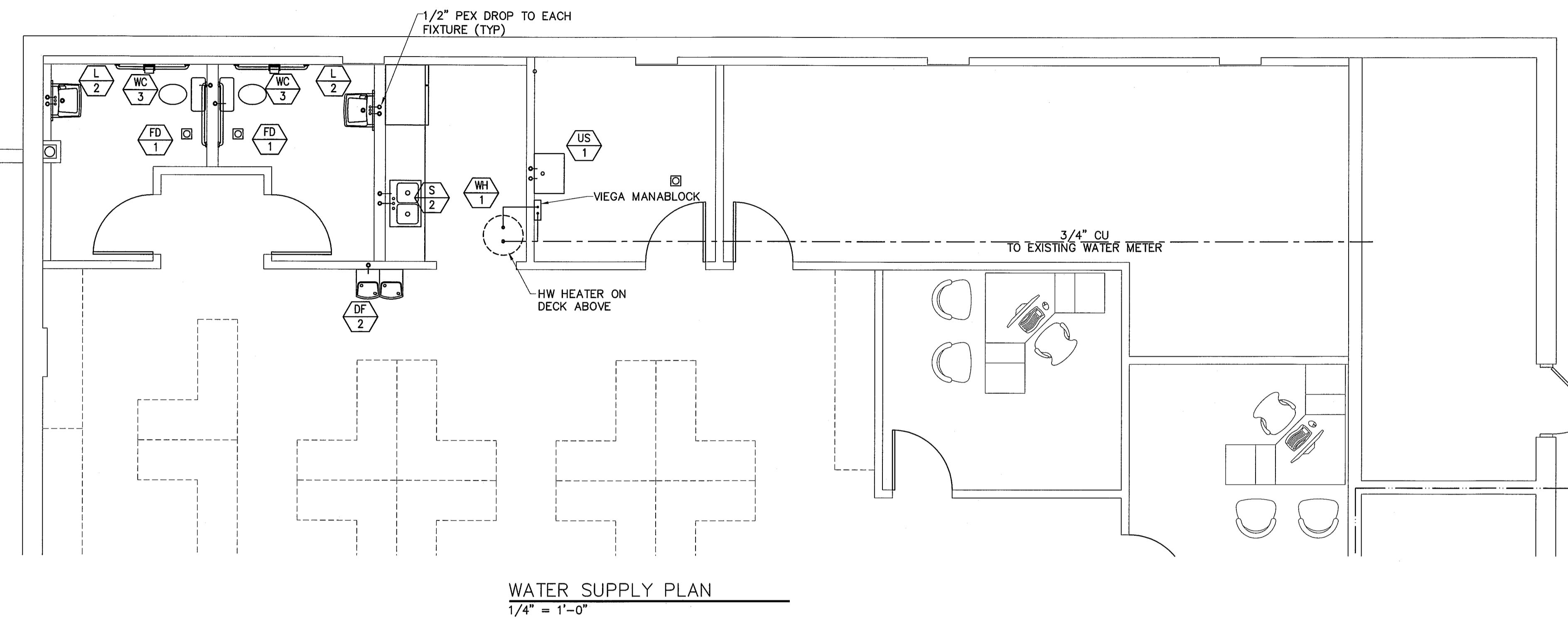
NOTES:

1. PROVIDE TRUEBRO LAV GUARD INSULATION ON ALL ACCESSIBLE LAVATORIES.
2. PROVIDE TRUEBRO BASIN GUARD ENCLOSURE ON ALL ACCESSIBLE KITCHEN SINKS.
3. INSTALL FLUSH HANDLE ON WHEELCHAIR SIDE OF WATER CLOSET.
4. PROVIDE BLOCKING IN WALL FOR WALL SUPPORTED FIXTURES AND ACCESSORIES AS REQUIRED.
5. ACCESSIBLE FIXTURE IF INSTALL IN ACCORDANCE WITH ADA REQUIREMENTS.

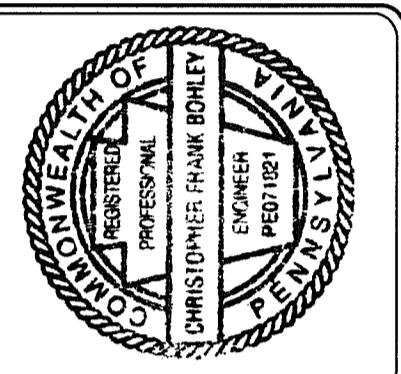
ELECTRIC WATER HEATER SCHEDULE

Symbol	Description	First Hour Gal.	Recovery 90°F Rise/ Gal/Hr	Capacity (Gal)	Electrical			Height (in)	Dia. (in)	Total Oper. Wt. (lbs)	Remarks
V-PH-HZ	KW	Max. Fuse Amp									

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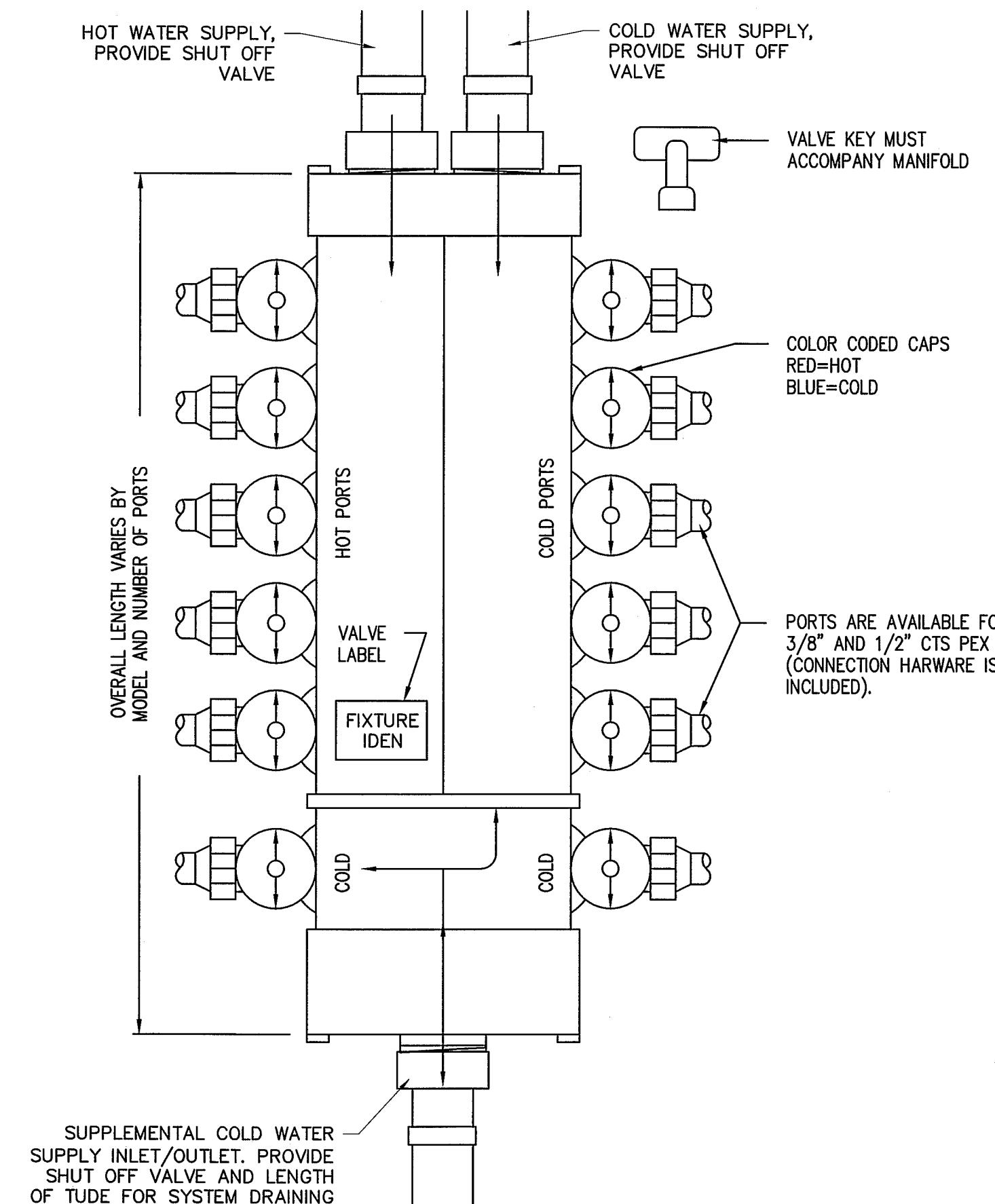


NO.	DRAWING ISSUE	DATE
	BID SET	5/12/11 5/13/11

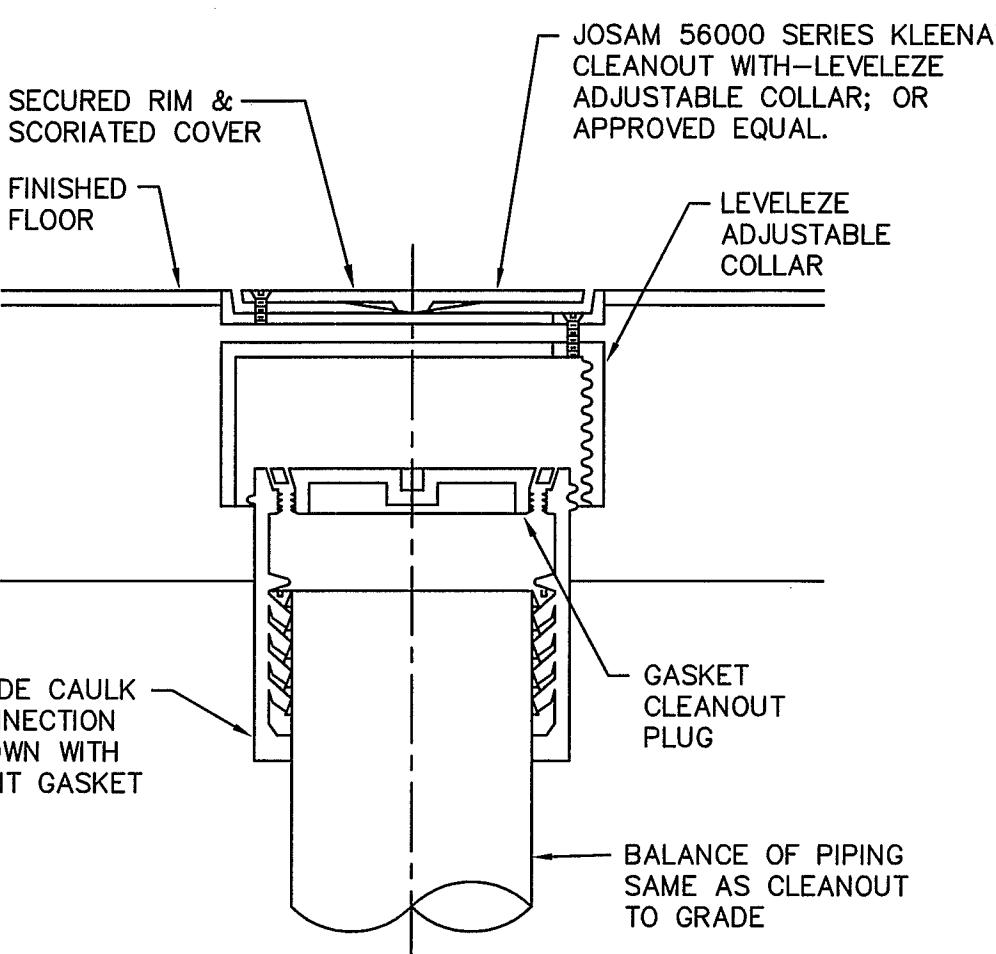
PROJECT: MARKET SQUARE OFFICE BUILDING LOCATION: CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.	OWNER: CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION
--	--

TITLE: PLUMBING PLANS		
PROJECT NO.: 11-025	DRAWN BY: CFB/MDR	
DATE: 04/26/11	DESIGNED BY: CFB	
SCALE: AS NOTED	CHECKED BY: CFB	

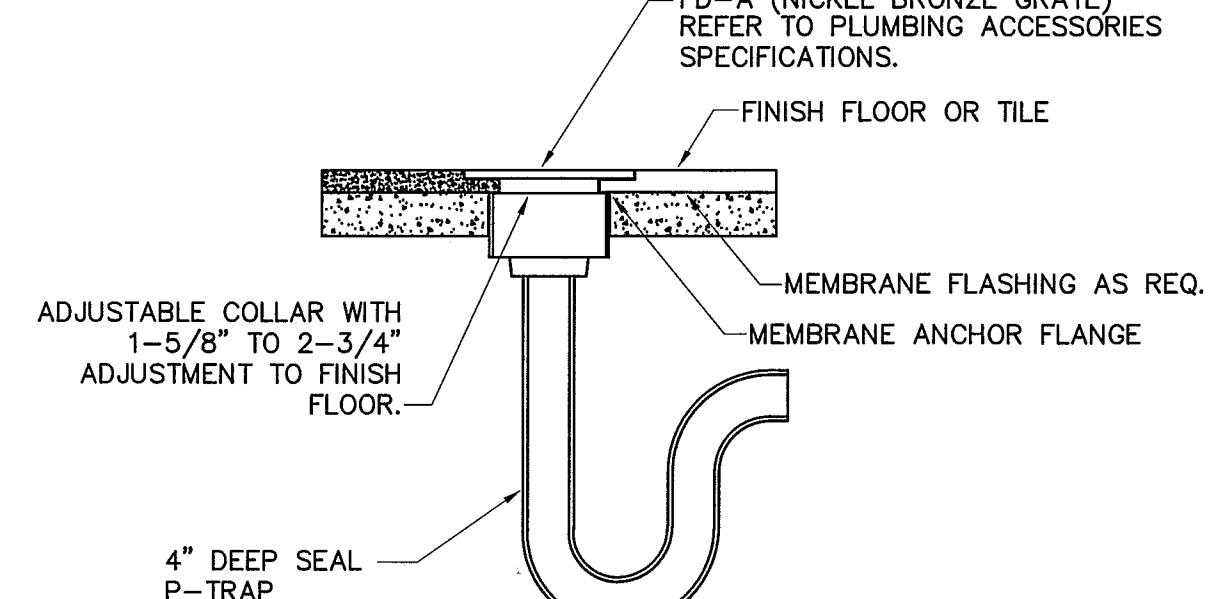
P101
2 OF 3



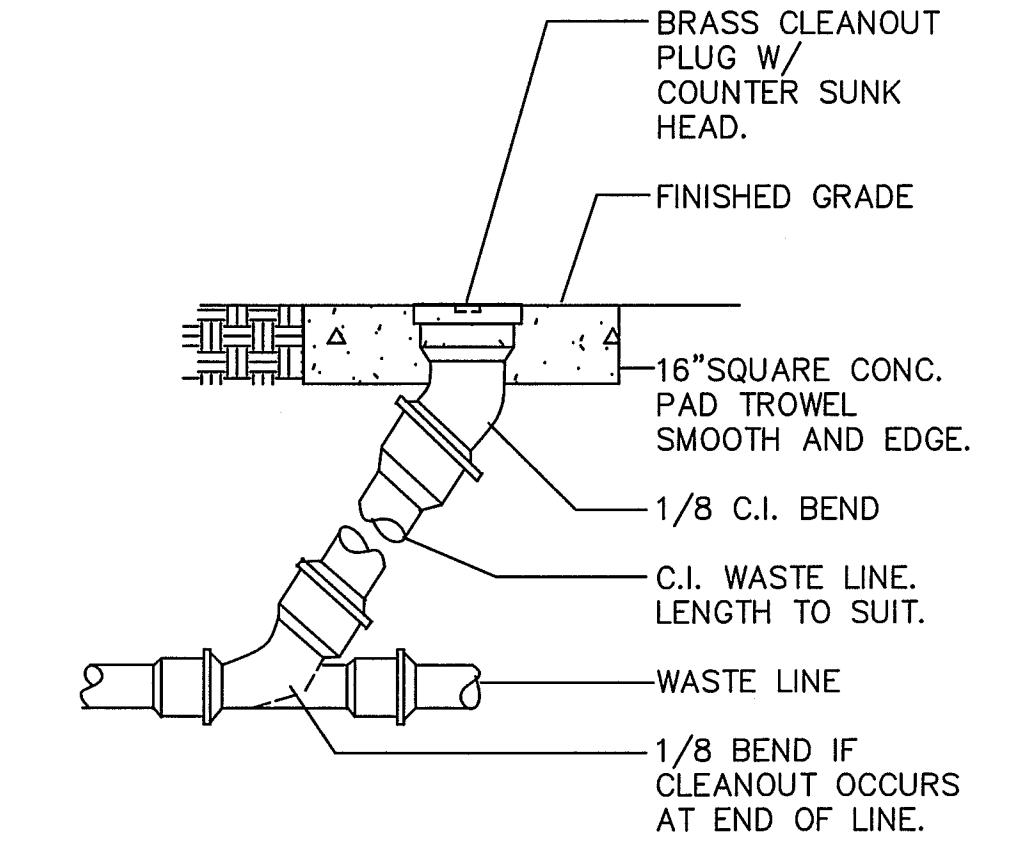
MANABLOCK DOMESTIC WATER MANIFOLD
NOT TO SCALE



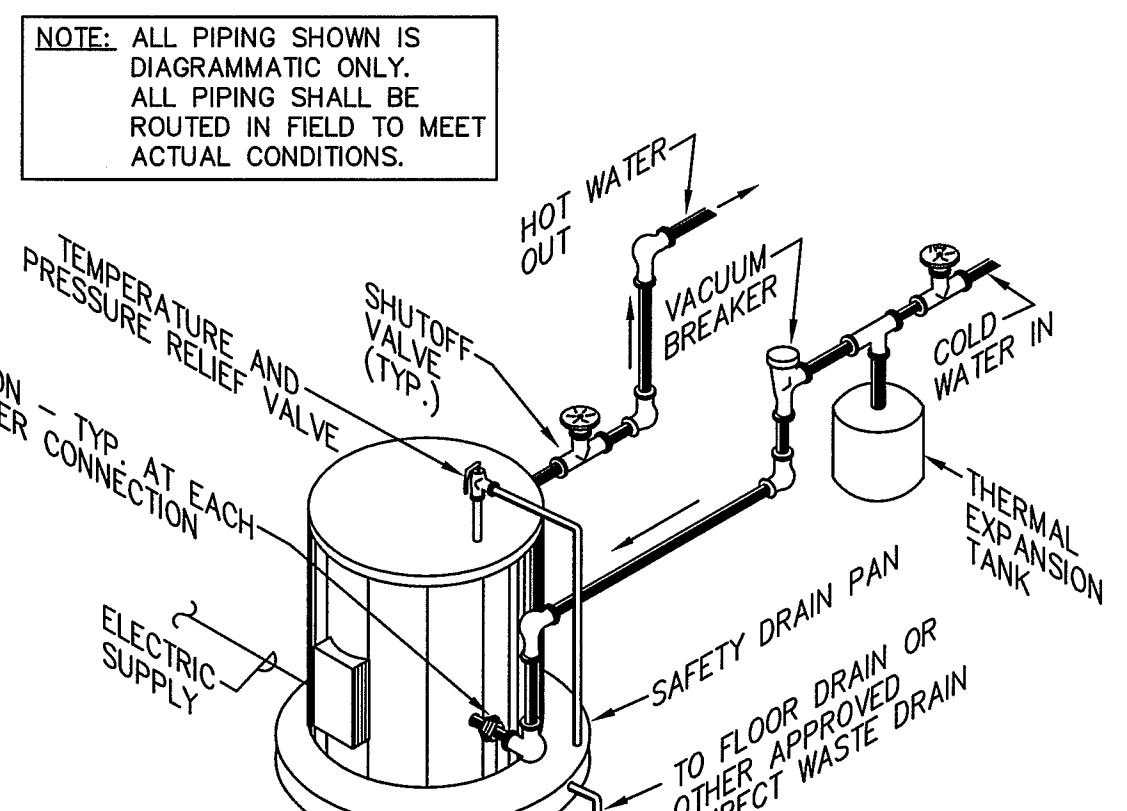
FLOOR CLEANOUT DETAIL
NOT TO SCALE



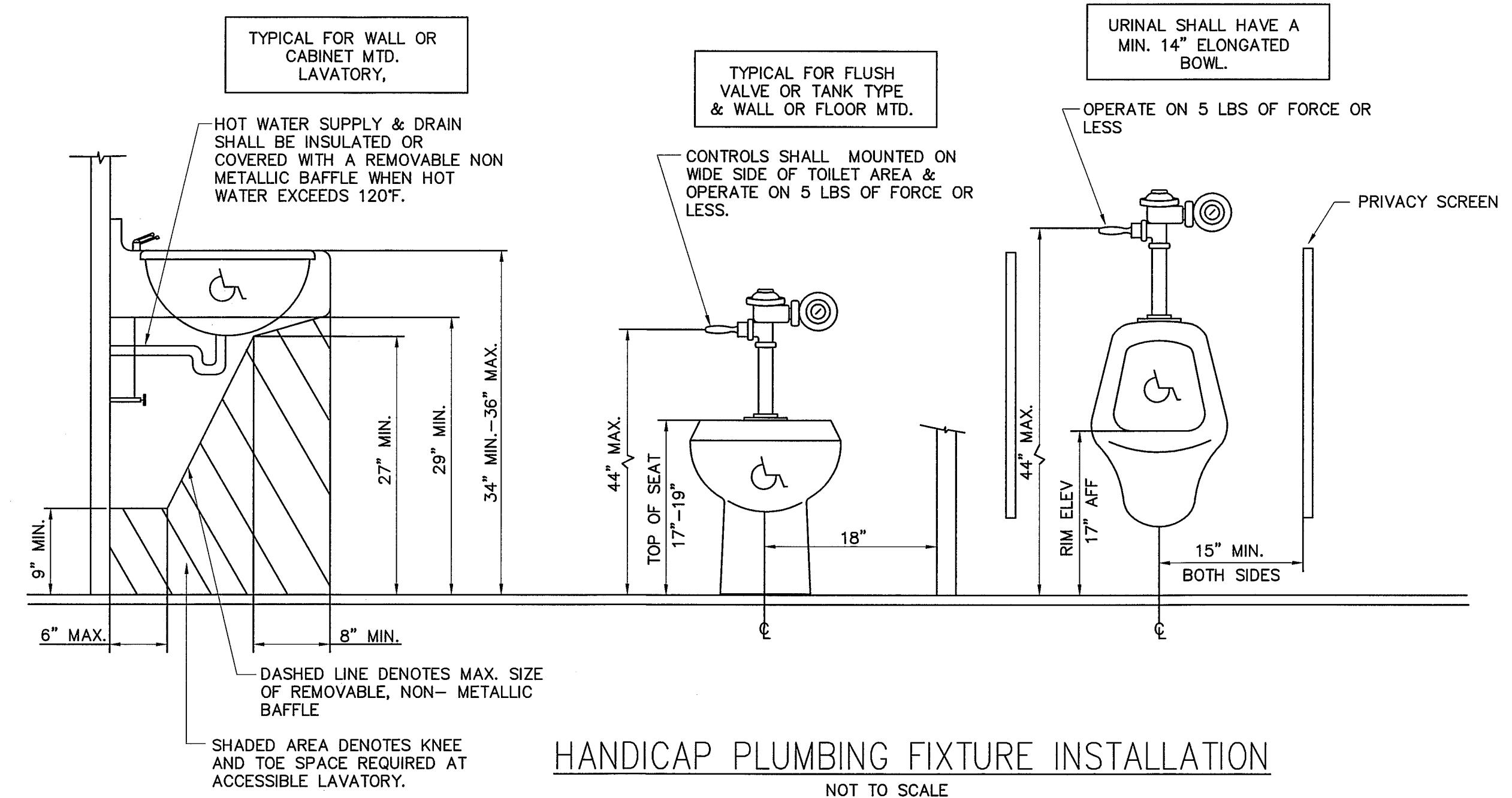
TOILET AREA FLOOR DRAIN
NOT TO SCALE



CLEANOUT TO GRADE
NOT TO SCALE



LOWBOY ELECTRIC WATER HEATER DETAIL
NOT TO SCALE



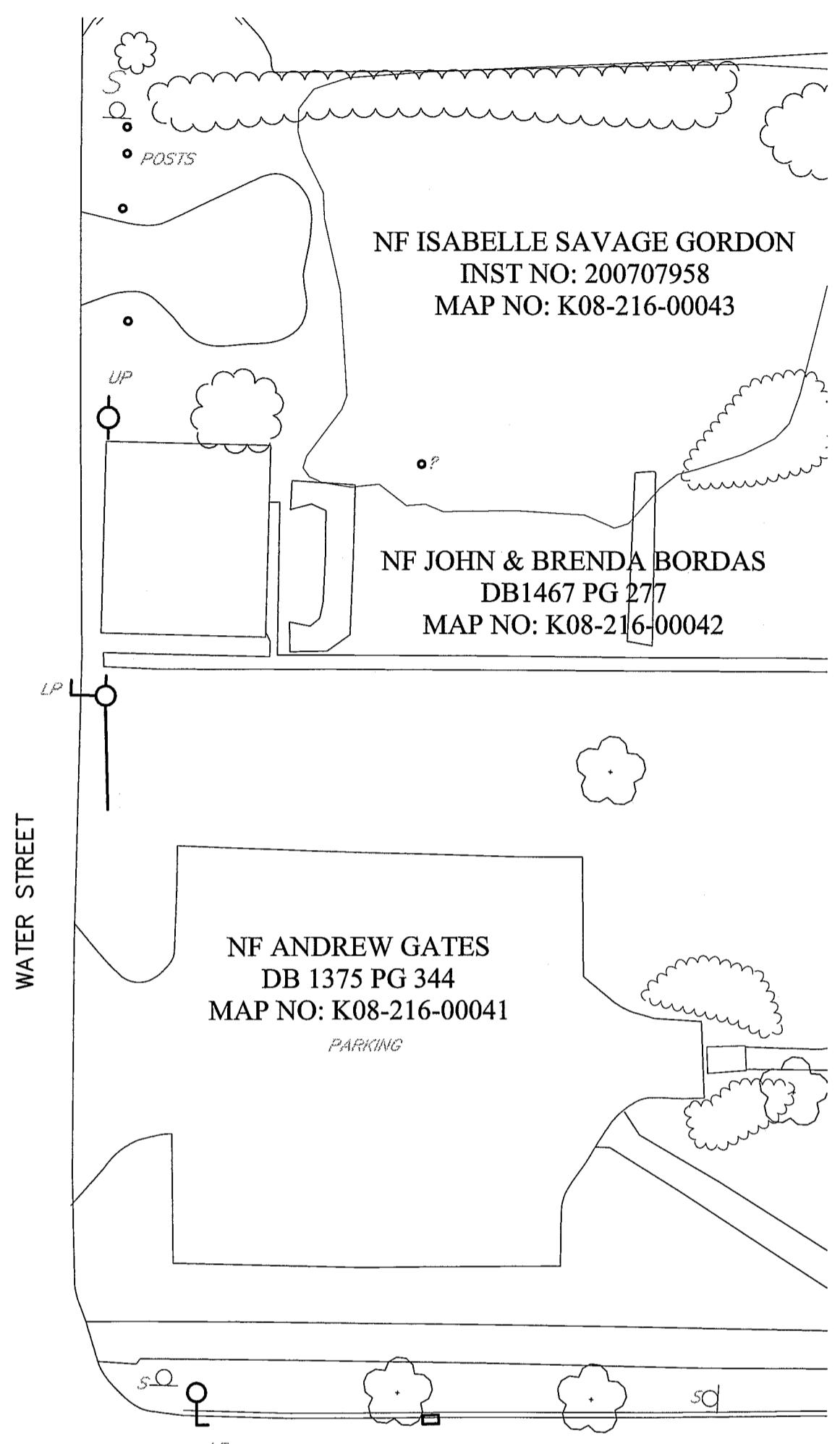
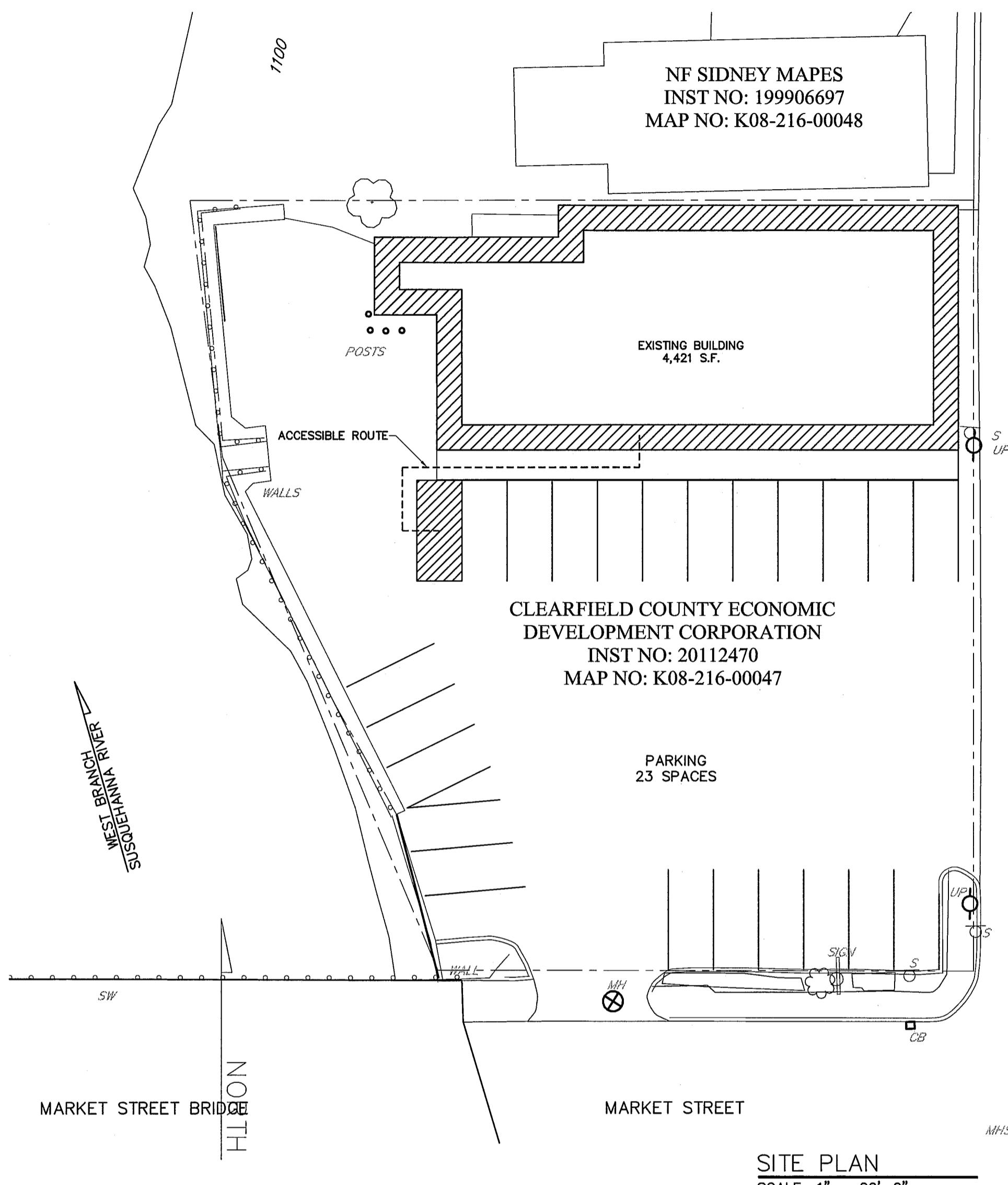
HANDICAP PLUMBING FIXTURE INSTALLATION
NOT TO SCALE

PROJECT:	MARKET SQUARE OFFICE BUILDING	
LOCATION:	CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.	
OWNER:	CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION	
TITLE:	PLUMBING DETAILS	
PROJECT NO.: 11-025	DRAWN BY: CFB/MER	DATE: 5/12/11
DATE: 04/26/11	DESIGNED BY: CFB	CODE SET: 5/13/11
SCALE: AS NOTED	CHECKED BY: CFB	

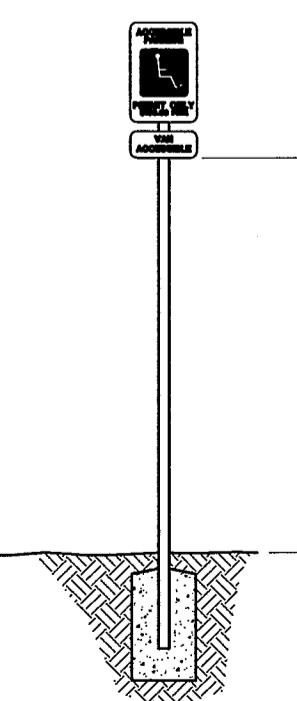
R. HUGHES ENGINEERING, P.C.	
Consulting Engineers	
107 N. Front Street	DO NOT SCALE DRAWINGS. USE DIMENSIONS
Clearfield, Pennsylvania 16830	
Tel. (814) 765-8691, Fax (814) 765-8692	

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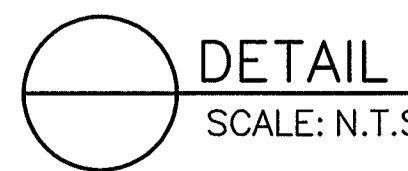
MARKET STREET SQUARE CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION



NOTES:
1. CONTRACTOR TO VERIFY THAT SIGN FORMAT
COMPLIES WITH LATEST STATE REGULATION
2. VAN ACCESSIBLE SIGN ONLY TO BE PLACED
ON STALLS THAT ARE VAN ACCESSIBLE



© PARKING ACCESSIBILITY SIGN



DETAIL
SCALE: N.T.S.



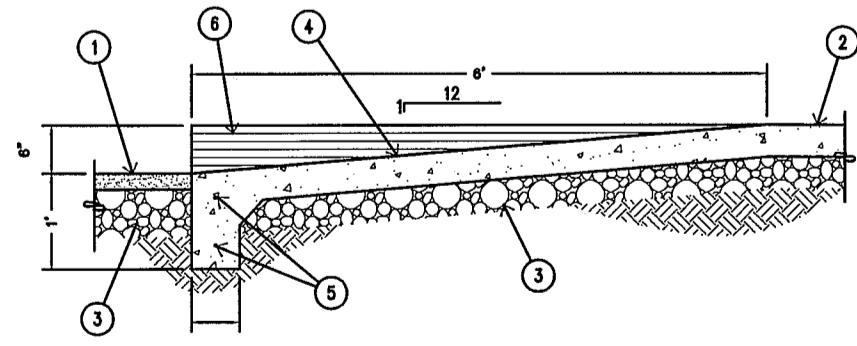
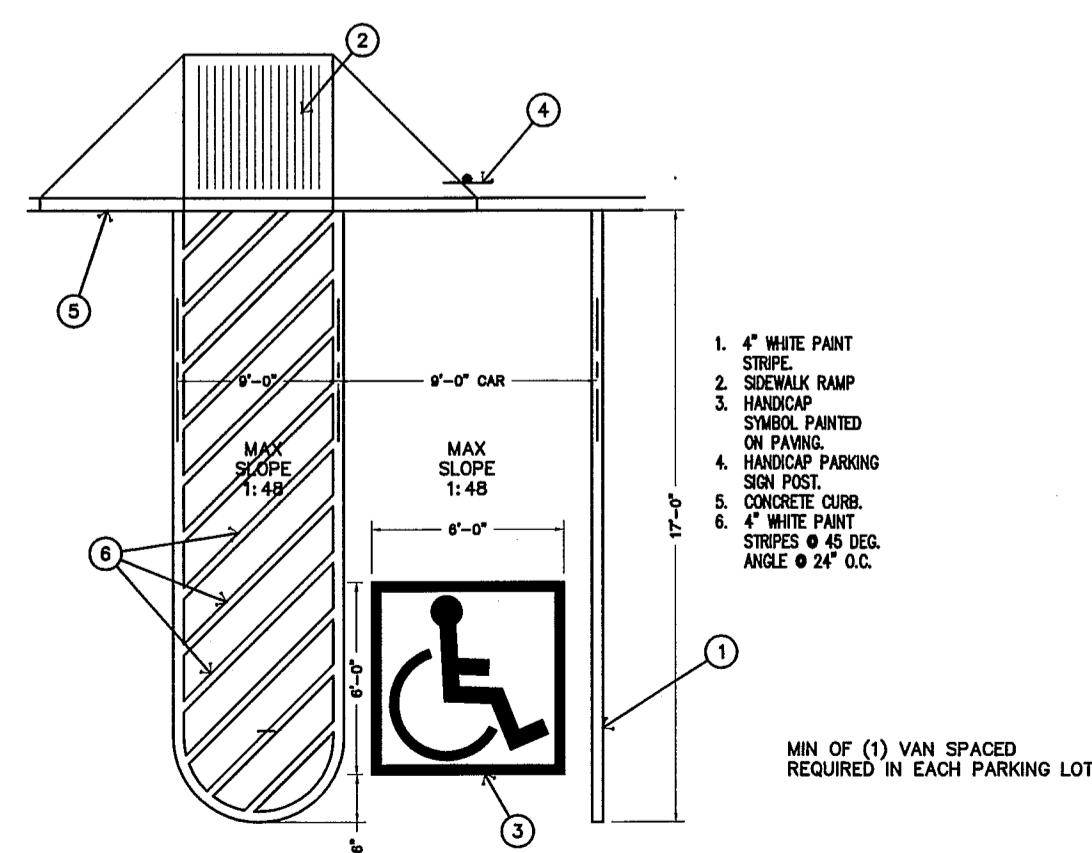
© ACCESSIBLE PARKING STALL
SCALE: N.T.S.



SECTION
SCALE: N.T.S.



ACCESSIBLE RAMP
SCALE: N.T.S.



1. ASPHALT MACADAM.
2. 4" CONCRETE ON 8" GRAVEL.
3. RENFORCED PER GENERAL CONDITIONS.
4. CONCRETE BASE COURSE.
5. (2) #4 REINFOR. CONTINUOUS.
6. 1/4" GROOVES, 1/8" DEEP, AT 1" CENTERS - FULL FACE OF ROAD.

PARKING CALCULATIONS
3075 SF OFFICE @ 1/250 GSF = 13 SPACES
995 SF LAUNDRYMAT @ 1/250 GSF = 4 SPACES
(2) APARTMENTS * 2.5 SPACES/APT = 5 SPACES
TOTAL SPACES REQUIRED = 22 SPACES

SITE OWNER
CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION
511 SPRUCE ST, SUITE 5
CLEARFIELD, PA 16830
CONTACT: ROB SWALES, CEO
PHONE: 814-768-7838

SITE ADDRESS
MARKET STREET SQUARE
2 E. MARKET ST.
CLEARFIELD, PA 16830

ZONING:
PROPERTY IS ZONED RU-RESIDENTIAL URBAN
THE BUILDING WAS CONSTRUCTED IN 1988. A SPECIAL EXCEPTION WAS GRANTED BY ZONING HEARING BOARD FOR THE STRUCTURE TO BE A COMMERCIAL OFFICE.

IN 1992 A SPECIAL EXCEPTION WAS GRANTED BY THE ZONING HEARING BOARD TO ALLOW A MIXED OCCUPANCY OF COMMERCIAL AND OFFICE.

THE OWNER IS REQUESTING A SPECIAL EXCEPTION FOR MIXED OCCUPANCY OF COMMERCIAL, OFFICE, AND RESIDENTIAL

R. HUGHES ENGINEERING, P.C.
Consulting Engineers

107 N. Front Street
Clearfield, Pennsylvania 16830
Tel. (814) 765-8691, Fax (814) 765-8692

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NO.	DRAWING ISSUE	DATE

PROJECT:	MARKET STREET SQUARE	
LOCATION:	CLEARFIELD BOROUGH, CLEARFIELD COUNTY, PENNA.	
OWNER:	CLEARFIELD COUNTY ECONOMIC DEVELOPMENT CORPORATION	

TITLE:	SITE PLAN	
PROJECT NO.: 11-025	DRAWN BY: CFB	DESIGNED BY: CFB
DATE: 05/16/11	CHECKED BY: AEC	
SCALE: AS NOTED		

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1 OF 2