





**DIMENSION NOTES**

- IN INTERIOR SPACES THE ACTUAL DIMENSIONS MAY BE LESS IMPORTANT THAN IF AT TWO ELEMENTS IN THE BUILDING WERE TO BE EQUAL. IN THESE CASES, THE WORD "EQUAL OR EQ" IS USED IN LIEU OF THE ACTUAL DIMENSIONS.
- WHEN A ROOM CENTERLINE IS INDICATED ONLY ONE SIDE OF THE ROOMS ELEMENTS MAY BE DIMENSIONED.
- COLUMN IDENTIFICATION: DETAILS WILL GOVERN ALL DIMENSIONS AND NO DIMENSIONS WILL BE SHOWN ON SMALL SCALE PLANS.
- PARTITION CENTERED ON COLUMN OR GRID LINES WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS.
- PARTITION WITH A FINISHED FACE FLUSH WITH FINISH FACE OF COLUMN WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS.
- PARTITION FINISH FACE ON COLUMN OR GRID LINE WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS.
- WHEN ONE JAMB OCCURS AT A COLUMN OR GRID LINE NO DIMENSIONS WILL BE SHOWN ON THE SMALL SCALE PLANS. THE OPENING WIDTH WILL BE GOVERNED BY CRITERIA OR SCHEDULES.
- WHEN NEITHER JAMB OCCURS AT A COLUMN OR GRID LINE ONE JAMB WILL BE DIMENSIONED.
- DOOR LOCATIONS ARE TO BE LOCATED BY ONE OF FOLLOWING:
  - ONE JAMB FACE LOCATED BY A PARTITION AT RIGHT ANGLE. 4" TYPICAL UNLESS INDICATED ON PLAN.
  - OR AS DIMENSIONED ON PLAN.
- PARTITIONS ARE DIMENSIONED TO FACE OF CMU OR FACE OF STUD UNLESS OTHERWISE NOTED.
- DIMENSIONS ARE INDICATED IN THE DOCUMENTS. THE DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

**MATERIAL LEGEND**

EARTH	CONCRETE MASONRY UNIT	GYPSUM / STUCCO	brick
COMPACTED EARTH	metal stud	grout	CONCRETE
GRASS	PARTICLE BOARD	sand	ASPHALT
GRAVEL	PLYWOOD	foam INSULATION	cast stone
clay	BATT INSULATION	RIGID INSULATION	stone
fence	ACOUSTICAL CEILING TILE	ALUMINUM	glass
turf block	plastic	STEEL	WOOD BLOCKING
pavers	carpet	FINISHED WOOD	CONTINUOUS WOOD

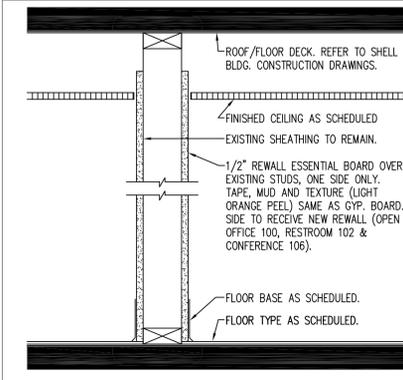
**SYMBOL LEGEND**

NORTH AAROW	ROOM /SPACE IDENTIFICATION
DRAWING / DETAIL IDENTIFICATION	DOOR TAG
SECTION REFERENCE	WINDOW TAG
DETAIL REFERENCE	WALL TYPE REFERENCE
EXTERIOR ELEVATION	KEYNOTE - NEW/RENOVATION
INTERIOR ELEVATION	KEYNOTE - FINISH/ACCESSORY
ELEVATION TARGET	PROPERTY LINE REFERENCE
COLUMN GRID	CENTER LINE REFERENCE
LEVEL CHANGE REFERENCE	DETAIL CUT LINE
MATCH LINES	REVISION NUMBER AND CLOUD

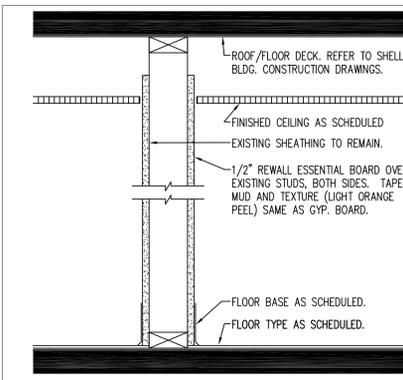
**GENERAL NOTES**

- THE FOLLOWING GENERAL NOTES SHALL PERTAIN TO THE ENTIRE SET OF CONTRACT DOCUMENTS
- A GENERAL CONTRACTOR SHALL NOTE THAT THE ARCHITECTURAL DRAWINGS ARE ESTABLISHING A MINIMUM MATERIAL OR CONSTRUCTION METHOD STANDARD. THE GENERAL CONTRACTOR SHALL PROVIDE A BID PRICE BASED ON THE SPECIFIC MATERIALS NOTED.
  - DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
  - GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PERFORM THEIR WORK IN ACCORDANCE WITH ALL APPLICABLE CODES GOVERNING EACH TRADE.
  - THE CONTRACTOR SHALL MAINTAIN A CLEAN AND ORGANIZED JOB SITE, ACCEPTABLE TO THE OWNER.
  - THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE OWNER REPRESENTATIVE.
  - THERE SHALL BE NO DEVIATION BY THE GENERAL CONTRACTOR FROM THE CONSTRUCTION DOCUMENTS UNLESS APPROVED IN WRITING BY THE ARCHITECT.
  - EACH CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO THE INITIATION OF WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONDITIONS INTERFERING WITH THE ABILITY OF THE CONTRACTOR TO COMPLETE WORK AS OUTLINED ON THE CONSTRUCTION DRAWINGS.
  - ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH OTHER TRADES. LACK OF THIS COORDINATION RESULTING IN ADDED COST TO THE CONTRACT WILL BE BORNE BY THE CONTRACTOR.
  - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE EXISTING BUILDING WATER TIGHT DURING CONSTRUCTION.
  - THE CONTRACTOR WILL VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT ALL PHASES OF CONSTRUCTION.
  - PLAN DIMENSIONS ARE GIVEN TO FACE OF STUD OR BLOCK WALL. "CLEAR" DIMENSIONS ARE GIVEN TO THE FACE. THE OWNER WILL ASSUME ALL LIABILITY AND SHALL TAKE PERSONAL RESPONSIBILITY FOR ANY DECISIONS THAT THEY MAKE TO CHANGE OR ALTER THE CONSTRUCTION DOCUMENTS WITHOUT THE ARCHITECT'S WRITTEN APPROVAL.
  - PROTECT ALL EXISTING FINISHES AND MATERIALS TO REMAIN, IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES, MANUFACTURER, RECOMMENDATIONS, OR AS DIRECTED BY THE ARCHITECT.
  - CUTTING OF EXISTING CONSTRUCTION FOR THE INSTALLATION OF ALL NEW WORK BY ALL TRADES, AND THE SUBSEQUENT PATCHING THEREOF, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, WHETHER THE WORK IS DONE BY HIS OWN FORCES OR NOT. GRINDING OF MATERIALS FOR REMOVAL SHALL NOT BE PERMITTED. CUTTING SHALL BE TO STRAIGHT LINE. UNWORKMAN-LIKE CUTTING, DAMAGE RESULTING THEREFROM AND UNACCEPTABLE PATCHING SHALL BE REPAIRED AND/OR REPLACED TO AN ACCEPTABLE CONDITION APPROVED BY THE ARCHITECT. A OWNER PROJECT REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO CUTTING OF ANY STRUCTURAL ITEM (I.E. CONCRETE FLOOR, MASONRY, WALL, ETC.) WITHIN THE EXISTING BUILDING. METHOD OF CUTTING SHALL BE APPROVED BY THE OWNER PROJECT REPRESENTATIVE.
  - PATCHING MATERIAL SHALL MATCH EXISTING ADJACENT MATERIALS AS CLOSELY AS POSSIBLE IN COLOR, PATTERNS, AND/OR TEXTURES.
  - ALL SALVAGE MATERIALS REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL NON-SALVAGE CONSTRUCTION MATERIALS AND DEBRIS FROM DEMOLITION WORK SHALL BE REMOVED FROM THE SITE AS WORK PROGRESSES, UNLESS OTHERWISE NOTED.
  - ISOLATE ALL DISSIMILAR METALS. O SHALL REQUEST APPROVAL BY THE ARCHITECT FOR MATERIALS USED FOR THIS PURPOSE, PRIOR TO INSTALLATION.
  - SEALANTS SHALL BE COMPATIBLE WITH ADJACENT SURFACE(S) THAT ARE IN CONTACT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS AND PROCEDURES.
  - CAULK JOINTS OF DISSIMILAR EXPOSED TO VIEW MATERIALS AS REQUIRED BY THE ARCHITECT.
  - ALL DOOR HARDWARE TO BE FL ADA COMPLIANT.
  - ALL EXTERIOR WALLS, DOORS AND WINDOWS ARE EXISTING U.N.O.
  - ALL FINISHES TO BE PER CLASS INDICATED ON A-004
  - NO CONSTRUCTION SHALL OCCUR WITHOUT SHOP DRAWING APPROVAL. SHOP DRAWINGS TO BE PROVIDED TO ARCHITECT FOR REVIEW UPON BEING REVIEWED AND SIGNED/DATED BY THE GENERAL CONTRACTOR AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS:
    - CABINERY MILLWORK
    - RUNNING TRIM AND CASING PROFILES
    - PAINT/LAMINATE COLOR SAMPLES
    - ACOUSTICAL CEILING AND GRID
    - TOILET ACCESSORIES
    - KITCHEN EQUIPMENT
    - ROOF PENETRATIONS
    - HVAC EQUIPMENT
    - PLUMBING EQUIPMENT AND FIXTURES
    - ELECTRICAL EQUIPMENT AND FIXTURES
  - PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT (2) COPIES OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL PRODUCTS USED TO PERFORM THE WORK.

**WALLTYPES**

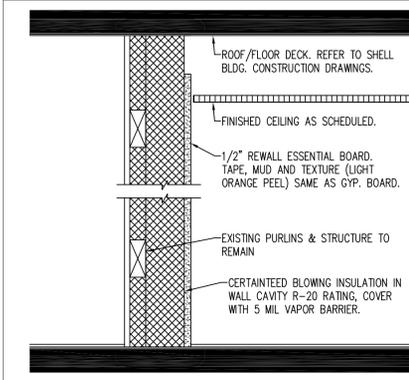


**05 NON-RATED/NON-BEARING**  
EXISTING PARTITION WALL

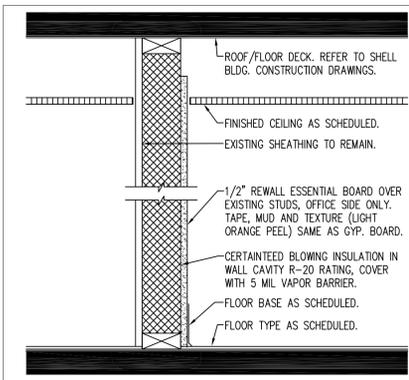


**06 NON-RATED/NON-BEARING**  
EXISTING PARTITION WALL

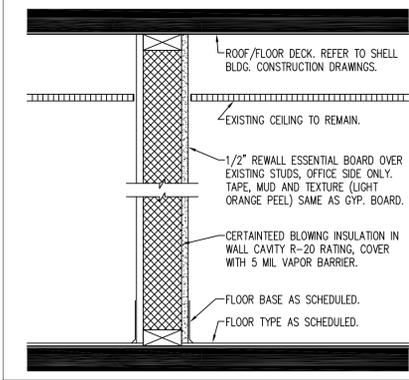
**WALLTYPES**



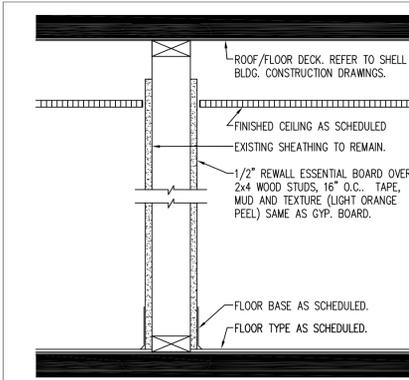
**01 NON-RATED/BEARING**  
EXISTING POLE-STRUCTURE EXTERIOR WALL



**02 NON-RATED/NON-BEARING**  
EXISTING PARTITION WALL



**03 NON-RATED/NON-BEARING**  
EXISTING PARTITION WALL



**04 NON-RATED/NON-BEARING**  
2x4 WOOD STUD PARTITION WALL

CONSULTANT:

**IOWA DEPARTMENT OF NATURAL RESOURCES**  
ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034  
P: 515.281.5918  
F: 515.281.8685



WALL TYPES, NOTES & SYMBOLS

OFFICE TENANT IMPROVEMENTS FOR:  
**OTTER CREEK WMA**

TAMA COUNTY, IOWA

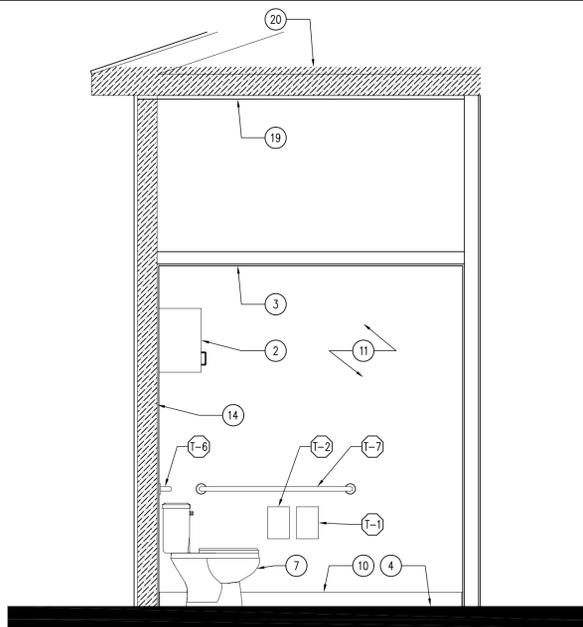
OTTER CREEK WMA

NO.	BY	DATE	REVISION

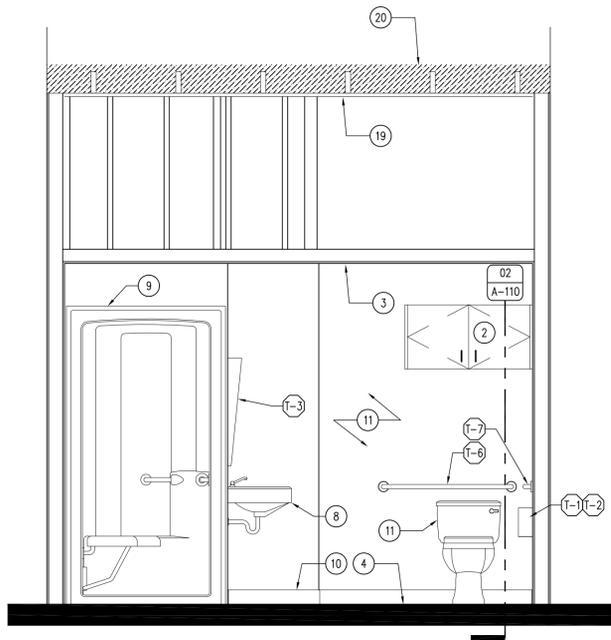
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CHK'D BY: DATE: 05.29.2013

SHEET No: **A-003**





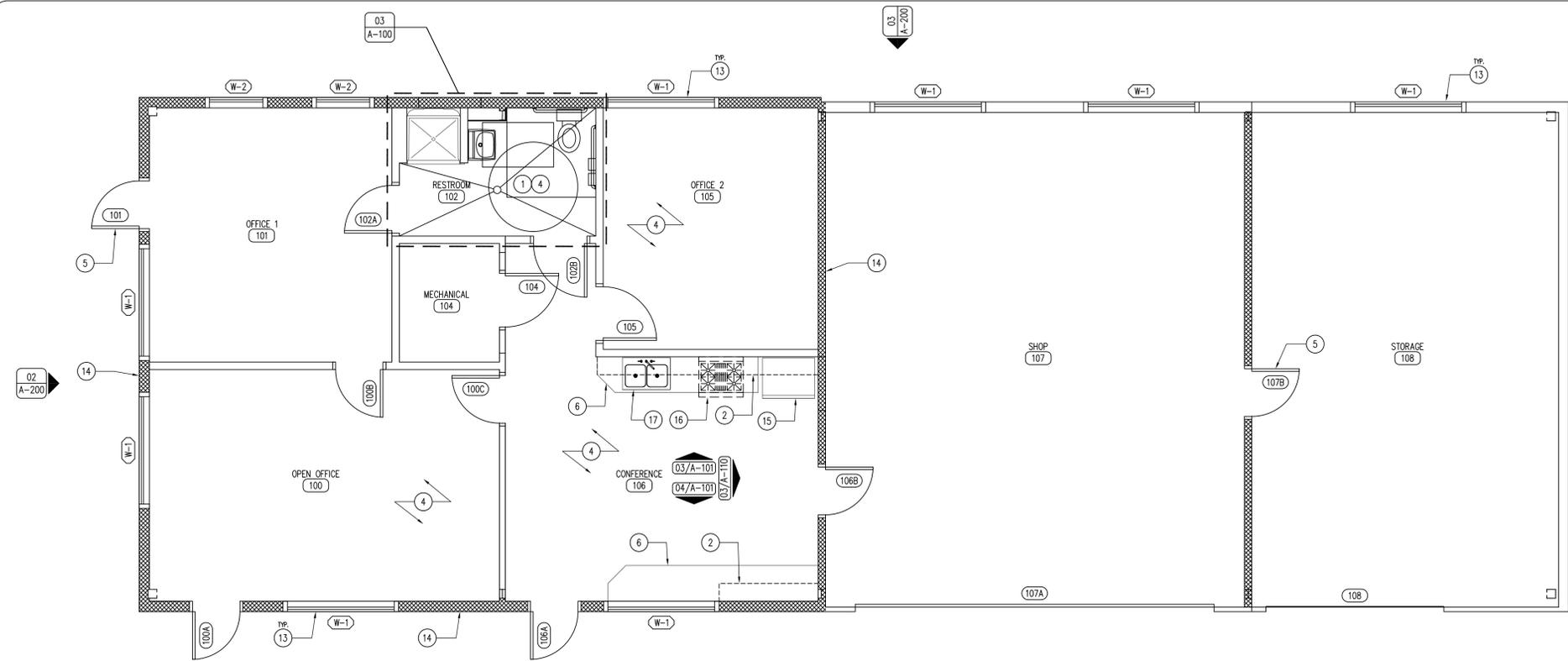
05 RESTROOM ELEVATION  
SCALE: 1/4" = 1'-0"



02 RESTROOM ELEVATION  
SCALE: 1/2" = 1'-0"

04 NOT USED  
SCALE: 1/4" = 1'-0"

03 ENLARGED RESTROOM PLAN  
SCALE: 3/4" = 1'-0"



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

TOILET ACCESSORY SCHEDULE

ALL MODEL NUMBERS BASED ON BOBRICK "CONTRA SERIES" WASHROOM EQUIPMENT UNLESS OTHERWISE NOTED.

- T-1 Sanitary napkin disposal container  
B-270
- T-2 surface-mounted Multi-Roll Toilet Tissue Dispenser  
B-4388
- T-3 Angle-Framed Mirror - MOUNT BOTTOM EDGE OF MIRROR 40" AFF  
B-290 3636
- T-4 Single COAT Hook - CENTER ON DOOR  
B-6717
- T-5 Concealed Mounting with Snap Flange Grab Bars  
B-6806 x 36
- T-6 Concealed Mounting with Snap Flange Grab Bars  
B-6806 x 42

KEYNOTES

1. UNI-SEX RESTROOM, REFER TO ENLARGED FLOOR PLAN 02/A-100 FOR MOUNTING HEIGHTS AND SCHEDULE OF TOILET ACCESSORIES. ALL BATHROOM INTERIOR WALLS TO RECEIVE 1/2" REWALL ESSENTIAL BOARD. REFER TO PLUMBING DRAWINGS.
2. 3/4" HARD MAPLE PLYWOOD UPPER CABINET WITH 3/4" HARD MAPLE FLUSH DOOR ON CONCEALED HINGES (WD-1 & WD-2). PROVIDE DECORATIVE HARDWARE WIRE PULLS. REFER TO FINISH SCHEDULE A-110 FOR MORE INFORMATION.
3. 1/2" REWALL ESSENTIAL BOARD.
4. ACID STAINED, SEALED AND WAXED CONCRETE FLOOR. REFER TO ROOM FINISH SCHEDULE.
5. EXISTING DOORS TO REMAIN.
6. 3/4" HARD MAPLE PLYWOOD CABINET WITH 3/4" HARD MAPLE FLUSH DOOR ON CONCEALED HINGES OR DRAWER WITH SOFT-CLOSE SLIDES (WD-1 & WD-2) WITH CORIAN SOLID SURFACE TOP (SS-1). PROVIDE DECORATIVE HARDWARE WIRE PULLS. REFER TO FINISH SCHEDULE A-110 FOR MORE INFORMATION.
7. ADA COMPLIANT TOILET AS SCHEDULED. REFER TO PLUMBING DRAWINGS.
8. ADA COMPLIANT LAVATORY AS SCHEDULED. REFER TO PLUMBING DRAWINGS.
9. ADA COMPLIANT SHOWER AS SCHEDULED. REFER TO PLUMBING DRAWINGS.
10. JOHNSONITE RUBBER BASE, COLOR TBD. REFER TO FINISH SCHEDULE.
11. WALL FINISH AS SCHEDULED.
12. NEW FLOOR DRAIN, REFER TO PLUMBING DRAWINGS.
13. ALTERNATE #1: NEW PELLA ENCOMPASS VINYL SLIDER WINDOW.

14. WALL TO RECEIVE CERTAINTED BLOWING INSULATION, R-20 VALUE. ADD 5 MIL VAPOR BARRIER AND 1/2" REWALL ESSENTIAL BOARD.
15. NEW REFRIGERATOR BY OWNER.
16. NEW LP RANGE, PURCHASED BY OWNER, CONTRACTOR INSTALLED.
17. NEW DOUBLE-BASIN STAINLESS STEEL SINK, REFER TO PLUMBING DRAWINGS.
18. NEW OVERHEAD MICROWAVE, PURCHASED BY OWNER, CONTRACTOR INSTALLED.
19. 5/8" TYPE X GYPSUM, FIRE TAPE AND MUD.
20. BLOW-IN INSULATION, R-42.

GENERAL NOTES

- A. REFER TO FINISH SCHEDULE.
- B. REFER TO DOOR SCHEDULE.
- C. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS.
- D. REFER TO INDEX SHEET FOR WALL TYPES.
- E. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- F. FIELD VERIFY EQUIPMENT LOCATIONS FOR ELECTRICAL OUTLET LOCATIONS. REFER TO ELECTRICAL PLAN.
- G. REFER TO FINISH SCHEDULE SHEET FOR COLOR AND MATERIAL SELECTIONS.

CONSULTANT:

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REFERENCE FLOOR PLANS

OFFICE TENANT IMPROVEMENTS FOR:  
OTTER CREEK WMA

TAMA COUNTY, IOWA

OTTER CREEK WMA

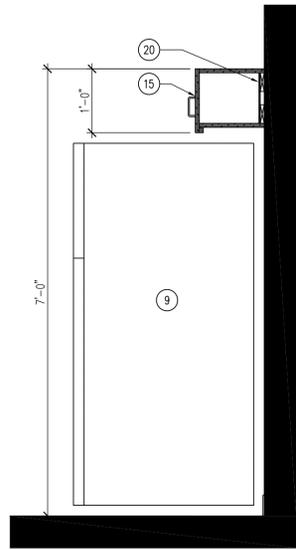
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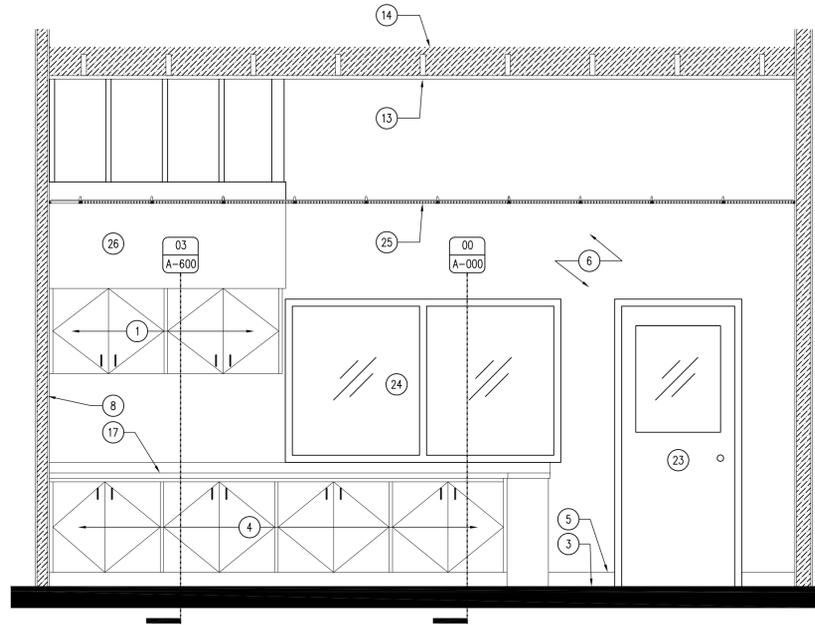
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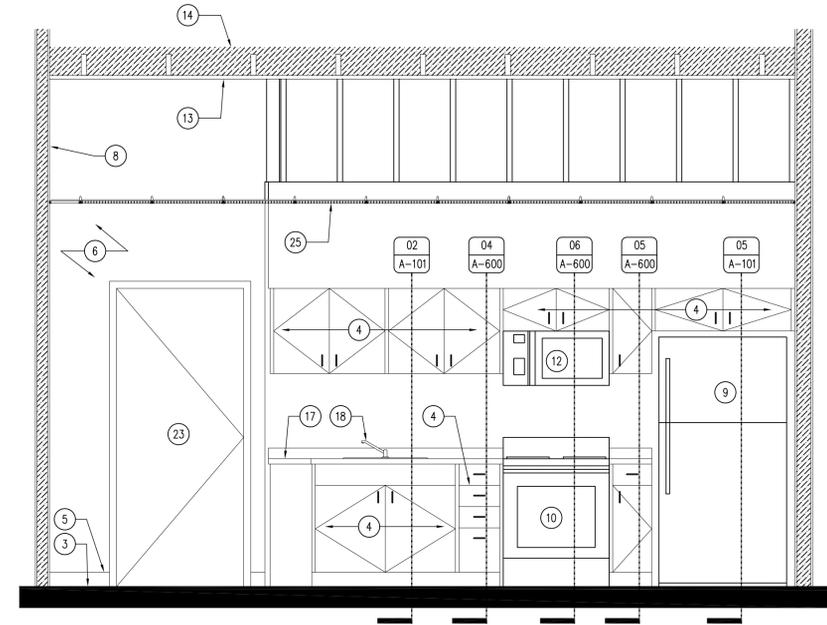
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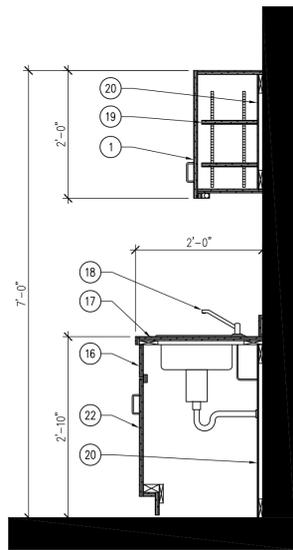
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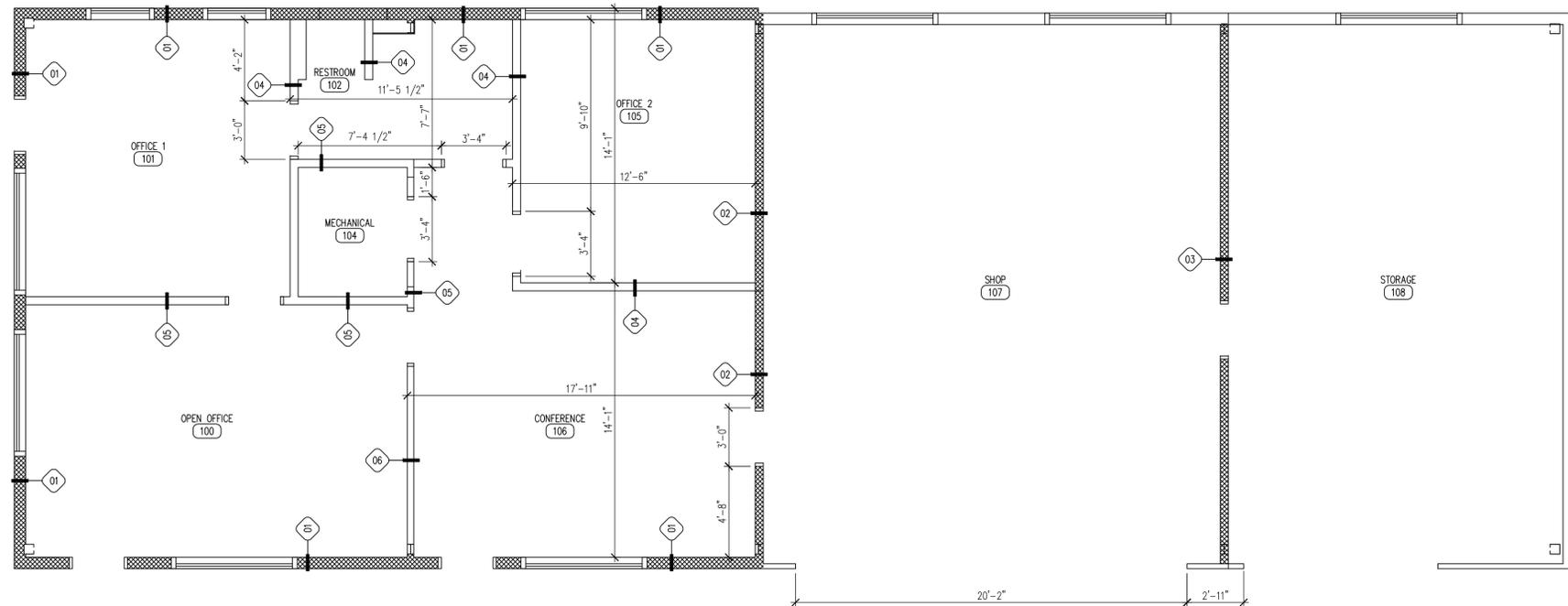
04 INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



03 INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



02 MILLWORK SECTION  
SCALE: 3/4" = 1'-0"



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

KEYNOTES

- 3/4" HARD MAPLE PLYWOOD UPPER CABINET WITH 3/4" HARD MAPLE FLUSH DOOR ON CONCEALED HINGES (WD-1 & WD-2). PROVIDE DECORATIVE HARDWARE WIRE PULLS. REFER TO FINISH SCHEDULE A-600 FOR MORE INFORMATION.
- 1/2" REWALL ESSENTIAL BOARD.
- ACID STAINED, SEALED AND WAXED CONCRETE FLOOR. REFER TO ROOM FINISH SCHEDULE.
- 3/4" HARD MAPLE PLYWOOD CABINET WITH 3/4" HARD MAPLE FLUSH DOOR ON CONCEALED HINGES OR DRAWER WITH SOFT-CLOSE SLIDES (WD-1 & WD-2) WITH CORIAN SOLID SURFACE TOP (SS-1). PROVIDE DECORATIVE HARDWARE WIRE PULLS. REFER TO FINISH SCHEDULE A-600 FOR MORE INFORMATION.
- JOHNSONITE RUBBER BASE, COLOR TBD. REFER TO FINISH SCHEDULE.
- WALL FINISH AS SCHEDULED.
- ALTERNATE #1: NEW PELLA ENCOMPASS VINYL SLIDER WINDOW.
- WALL TO RECEIVE CERTAINTED BLOWING INSULATION, R-20 VALUE. ADD 5 MIL VAPOR BARRIER AND 1/2" REWALL ESSENTIAL BOARD.
- NEW REFRIGERATOR BY OWNER.
- NEW LP RANGE, PURCHASED BY OWNER, CONTRACTOR INSTALLED.
- NEW DOUBLE-BASIN STAINLESS STEEL SINK, REFER TO PLUMBING DRAWINGS.
- NEW OVERHEAD MICROWAVE, PURCHASED BY OWNER, CONTRACTOR INSTALLED.
- 5/8" TYPE X GYPSUM, FIRE TAPE AND MUD.
- BLOW-IN INSULATION, R-42.
- 3/4" PLYWOOD DOOR ON CONCEALED HINGES WITH WOOD VENEER (WD-1). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.
- 3/4" PLYWOOD VALENCE WITH WOOD VENEER (WD-1). REFER TO FINISHED SCHEDULE SHEET A-600.
- 3/4" SOLID SURFACE TOP (SS-1) WITH 4" BACKSPLASH. REFER TO FINISH SCHEDULE SHEET A-600.
- DOUBLE BASIN STAINLESS STEEL SINK AS SHOWN. REFER TO PLUMBING DRAWINGS.
- 3/4" PLYWOOD SHELF WITH PLASTIC LAMINATE (PL-1) WITH HARDWOOD EDGE-BANDING. PROVIDE ADJUSTABLE HARDWARE.
- 1/4" PLYWOOD BACKER BOARD WITH PLASTIC LAMINATE (PL-1).
- 2X WOOD BLOCKING AS NEEDED.
- ADA COMPLIANT UNDER SINK DOORS ON CONCEALED HINGES WITH WOOD VENEER (WD-1). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.
- DOOR AS SCHEDULED, REFER TO DOOR SCHEDULE A-600.
- WINDOW AS SCHEDULED, REFER TO WINDOW SCHEDULE A-600.
- 2' x 2' x 3/4" ARMSTRONG ULTIMA (REGULAR) ACOUSTICAL CEILING TILE WITH 15/16" PRELUDE SUSPENSION SYSTEM. ADD 5/8" TYPE X GYPSUM HARD CEILING DECK, ATTACHED DIRECTLY TO UNDERSIDE OF TRUSSES. FIRE CAULK, TAPE AND MUD.
- OVERHEAD SOFFIT, REFER TO 03/A-110.

GENERAL NOTES

- REFER TO FINISH SCHEDULE.
- REFER TO DOOR SCHEDULE.
- REFER TO INDEX SHEET FOR WALL TYPES.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- REFER TO ELECTRICAL DRAWINGS FOR EXISTING LIGHT FIXTURE LOCATIONS.
- REFER TO FINISH SCHEDULE SHEET FOR COLOR AND MATERIAL SELECTIONS.

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502 E. 9TH ST., DES MOINES, IA 50319-0034  
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DIMENSION PLAN AND ELEVATIONS

OFFICETENANT IMPROVEMENTS FOR:  
OTTER CREEK WMA

TAMA COUNTY, IOWA

OTTER CREEK WMA

NO. BY DATE REVISION


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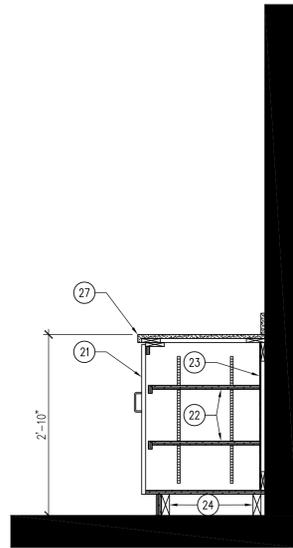
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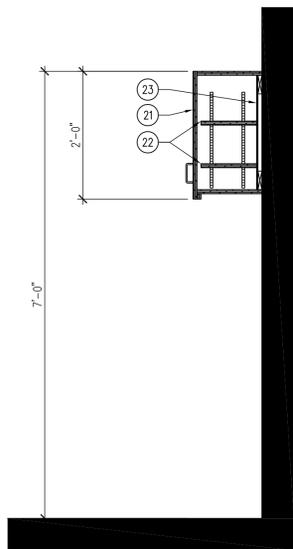
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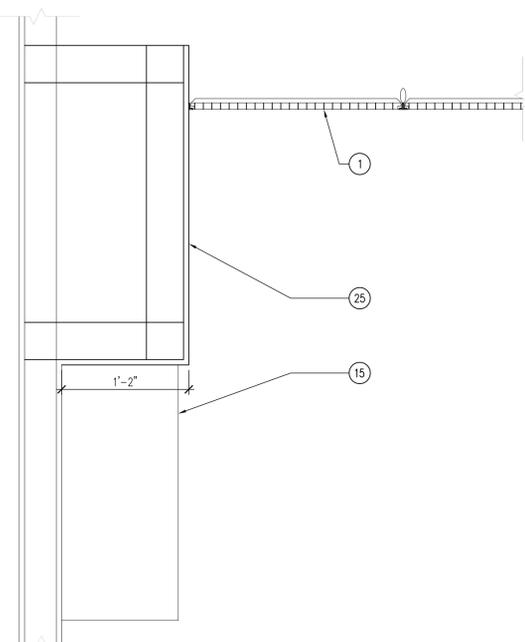
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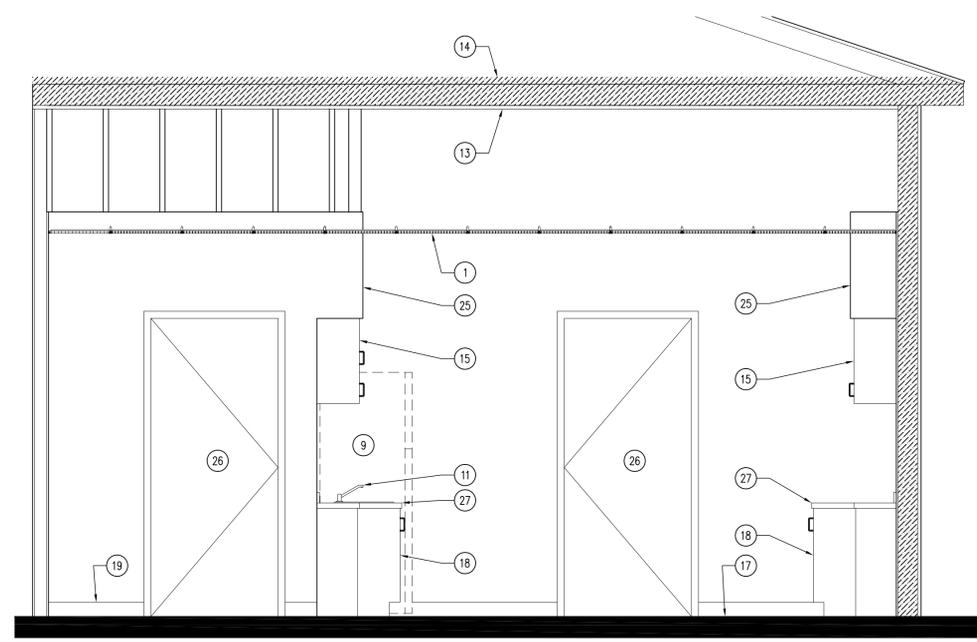
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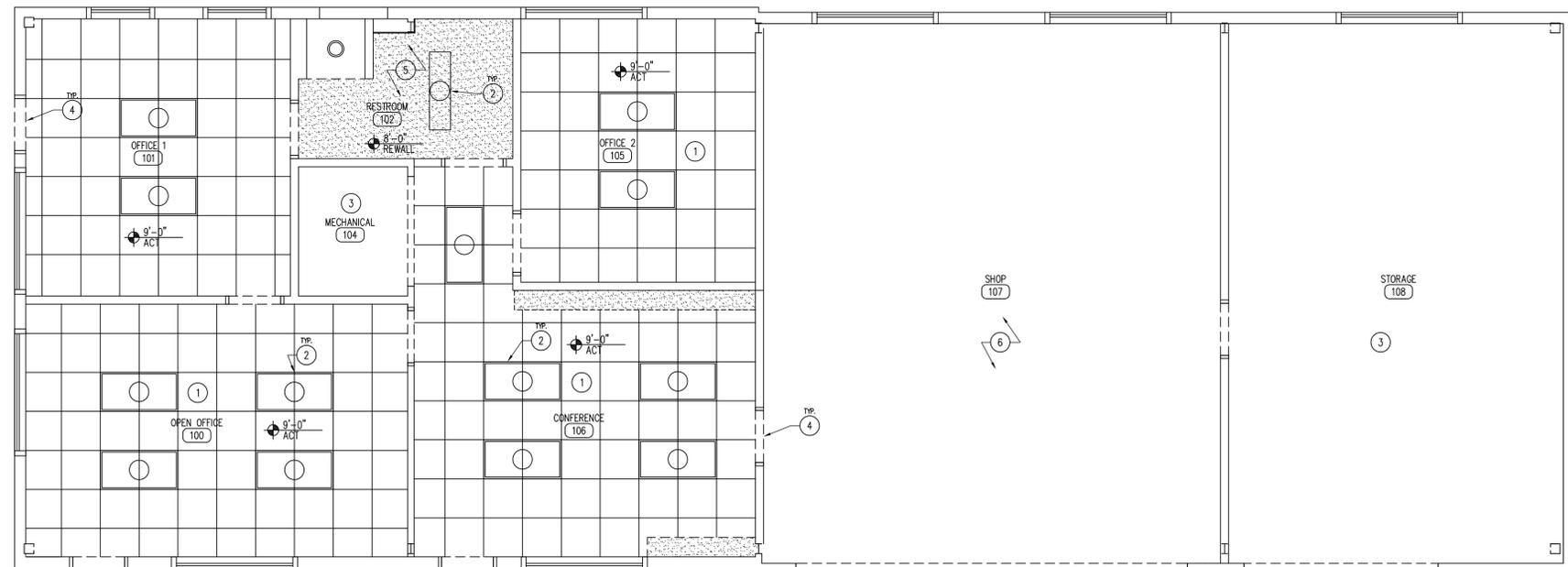
02 MILLWORK SECTION  
SCALE: 3/4" = 1'-0"



04 DETAIL -- INTERIOR SOFFIT/BULKHEAD  
SCALE: 1" = 1'-0"



03 INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



01 REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"

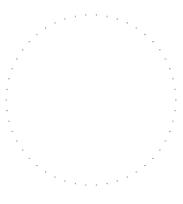
LEGEND	
	2' x 2' CEILING TILE AND GRID SYSTEM
	REWALL BOARD
	2' x 4' FLUORESCENT LIGHT FIXTURE.
	FLUORESCENT / LED CAN LIGHT FIXTURE
	FLUORESCENT LIGHT FIXTURE.

- KEYNOTES**
- 2' x 2' x 3/4" ARMSTRONG ULTIMA (TEGULAR) ACOUSTICAL CEILING TILE WITH 15/16" PRELUDE SUSPENSION SYSTEM. ADD 5/8" TYPE X GYPSUM HARD CEILING DECK, ATTACHED DIRECTLY TO UNDERSIDE OF TRUSSES. FIRE CAULK, TAPE AND MUD.
  - ELECTRICAL LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE SPECIFICATIONS AND POWER REQUIREMENTS.
  - EXISTING CEILING FINISH TO REMAIN.
  - DOOR HEADER BELOW.
  - 1/2" GYPSUM HARD CEILING. ADD 5/8" TYPE X GYPSUM HARD CEILING DECK, ATTACHED DIRECTLY TO UNDERSIDE OF TRUSSES. FIRE CAULK, TAPE AND MUD.
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  - WALL TO RECEIVE CERTAINTED BLOWING INSULATION, R-20 VALUE. ADD 5 MIL VAPOR BARRIER AND 1/2" REWALL ESSENTIAL BOARD.
  - NEW REFRIGERATOR BY OWNER.
  - NEW LP RANGE, PURCHASED BY OWNER, CONTRACTOR INSTALLED.
  - NEW DOUBLE-BASIN STAINLESS STEEL SINK, REFER TO PLUMBING DRAWINGS.
  - NEW OVERHEAD MICROWAVE, PURCHASED BY OWNER, CONTRACTOR INSTALLED.
  - 5/8" TYPE X GYPSUM, FIRE TAPE AND MUD.
  - BLOW-IN INSULATION, R-42.

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- WALL FINISH AS SCHEDULED.
- 3/4" PLYWOOD DOOR ON CONCEALED HINGES WITH WOOD VENEER (WD-1). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.
- 3/4" PLYWOOD SHELF WITH PLASTIC LAMINATE (PL-1) WITH HARDWOOD EDGE BANDING. PROVIDE ADJUSTABLE HARDWARE.
- 1/4" PLYWOOD BACKER BOARD WITH PLASTIC LAMINATE (PL-1).
- 2X WOOD BLOCKING AS NEEDED.
- 2X4 STUD SOFFIT WITH 1/2" REWALL ESSENTIAL BOARD.
- DOOR, REFER TO DOOR SCHEDULE SHEET A-600.
- 3/4" SOLID SURFACE CORIAN COUNTER TOP (SS-1) WITH 4" BACKSPLASH.

- GENERAL NOTES**
- MECHANICAL AND ELECTRICAL DEVICES ARE SHOWN FOR COORDINATION PURPOSES ONLY, REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
  - REFER TO SHEET A-600 FOR FINISH SCHEDULE.

CONSULTANT:



**IOWA DEPARTMENT OF NATURAL RESOURCES**  
ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034  
P: 515.281.5918  
F: 515.281.8685



REFLECTED CEILING PLAN AND DETAILS

OFFICE TENANT IMPROVEMENTS FOR:  
**OTTER CREEK WMA**  
TAMA COUNTY, IOWA  
OTTER CREEK WMA

NO.	BY DATE	REVISION

DRAWN BY: PROJECT NUMBER:  
12-05-86-05  
CHECKED BY: DATE:  
05.29.2013  
SHEET NO:

**A-110**

04 NOT USED  
SCALE: 1/4" = 1'-0"

03 BUILDING ELEVATION  
SCALE: 1/4" = 1'-0"

02 BUILDING ELEVATION  
SCALE: 1/4" = 1'-0"

01 BUILDING ELEVATION  
SCALE: 1/4" = 1'-0"

KEYNOTES

GENERAL NOTES

1. NEW DOOR AS SCHEDULED, REFER TO DOOR SCHEDULE A-600.
2. ALTERNATE #1: NEW WINDOW AS SCHEDULED, REFER TO WINDOW SCHEDULE A-600.
3. INFILLED WINDOW AREA, SIDING TO MATCH EXISTING.
4. NEW GARAGE DOOR AS SCHEDULED, REFER TO DOOR SCHEDULE A-600.
5. EXISTING GARAGE DOOR TO REMAIN.
6. EXISTING BUILDING TO REMAIN.
7. EXISTING DOOR TO REMAIN.
8. NEW WINDOW AS SCHEDULED, REFER TO WINDOW SCHEDULE A-600.

- A. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- B. FIELD VERIFY EQUIPMENT LOCATIONS FOR ELECTRICAL OUTLET LOCATIONS. REFER TO ELECTRICAL PLAN.
- C. REFER TO FINISH SCHEDULE SHEET A-600 FOR COLOR AND MATERIAL SELECTIONS.

CONSULTANT:

IOWA DEPARTMENT OF  
NATURAL RESOURCES

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502 E. 9TH ST., DES MOINES, IA 50319-0034  
P: 515.281.5918  
F: 515.281.8685



EXTERIOR BUILDING ELEVATIONS

OFFICE TENANT IMPROVEMENTS FOR:  
**OTTER CREEK WMA**

TAMA COUNTY, IOWA

OTTER CREEK WMA

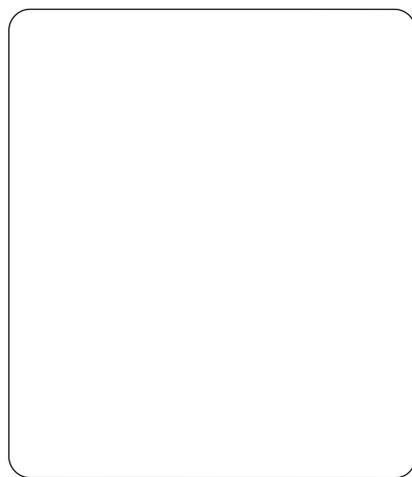
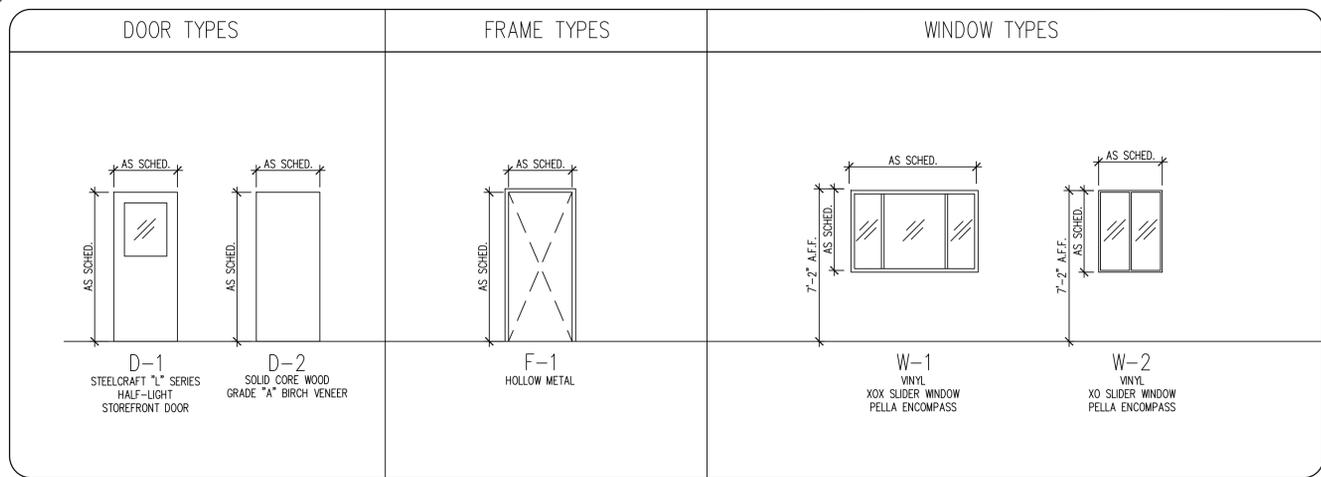
NO. BY DATE REVISION

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12-05-86-05

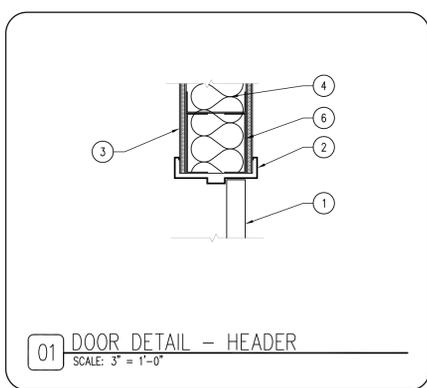
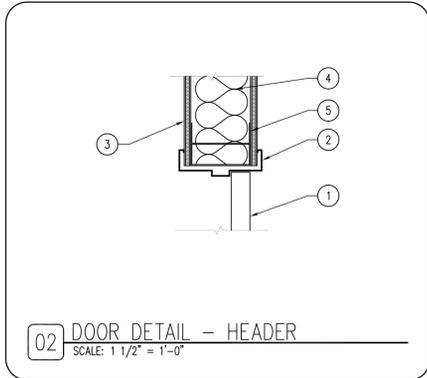
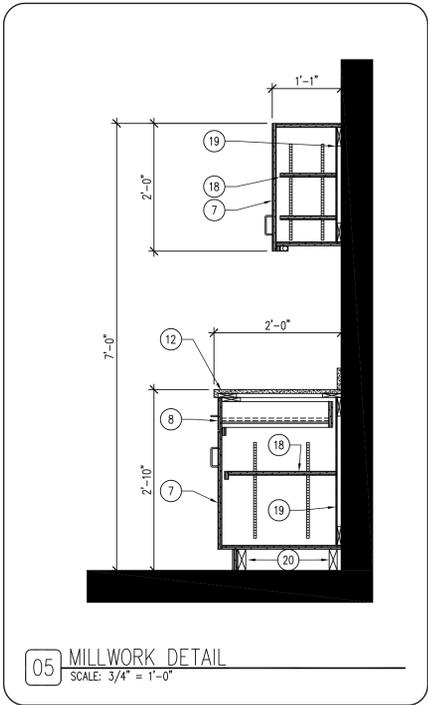
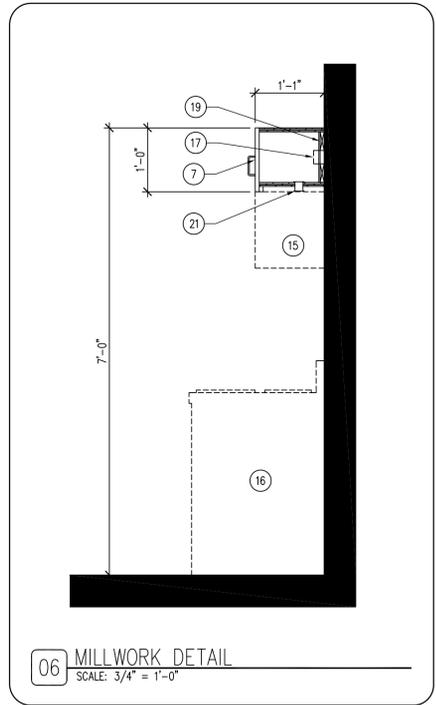
CHK'D BY: DATE:  
05.29.2013

SHEET No:

**A-200**



FINISH SCHEDULE									
ROOM #	ROOM NAME	FLOORING	BASE	NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH	CEILING	NOTES
100	OPEN OFFICE	CONC-1	RB-1	RW-2	RW-1	RW-1	RW-1	ACT-1	REMOVE VCT, BEAD-BLAST AND STAIN CONCRETE
101	OFFICE 1	-	-	-	-	-	-	-	EXISTING TO REMAIN
102	RESTROOM	CONC-1	RB-1	RW-2	RW-1	RW-1	RW-1	GYP-1	SAW CUT SLAB FOR PLUMBING & POUR NEW SLAB
104	MECHANICAL	-	-	-	-	-	-	-	EXISTING TO REMAIN
105	OFFICE 2	CONC-1	RB-1	RW-2	RW-1	RW-1	RW-1	ACT-1	ACID ETCH AND STAIN CONCRETE
106	CONFERENCE	CONC-1	RB-1	RW-2	RW-1	RW-1	RW-1	ACT-1	ACID ETCH AND STAIN CONCRETE
107	SHOP	-	-	-	-	-	-	GYP-2	REMOVE CEILING, INSTALL 5/8" TYPE X TO TRUSSES
108	STORAGE	-	-	-	-	-	-	-	EXISTING TO REMAIN



**HARDWARE TYPES**

HARDWARE SET NO. 1 - DOORS: 100A, 105, 106A

- 3 EA. HINGES FBB179 4 1/2 X 4 1/2
- 1 EA. ENTRY LOCKSET ND50PD (ATHENS)
- 1 EA. FLOOR STOP FS 444
- 3 EA. PERIMETER SEALS BLACK GASKET
- 1 EA. THRESHOLD SEAL BLACK BROOM TYPE
- 1 EA. DEAD-BOLT B560P

HARDWARE SET NO. 2 - DOORS: 102A, 102B

- 3 EA. HINGES FBB179 4 1/2 X 4 1/2
- 1 EA. PRIVACY LOCKSET ND40S (ATHENS)
- 1 EA. FLOOR STOP FS444
- 3 EA. SILENCERS SR66 (BLACK)

HARDWARE SET NO. 3 - DOORS: 100C, 106B

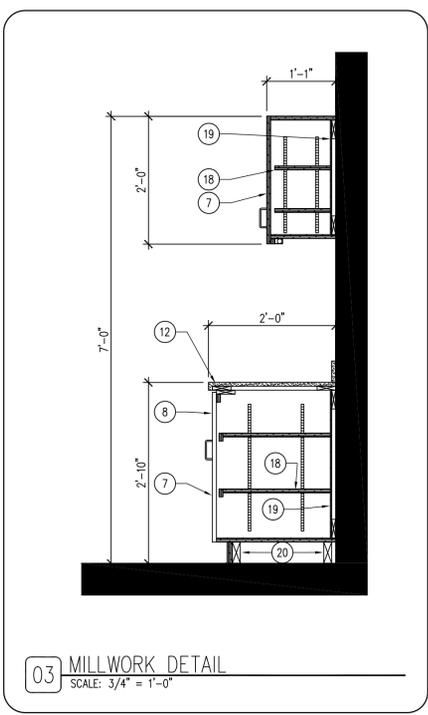
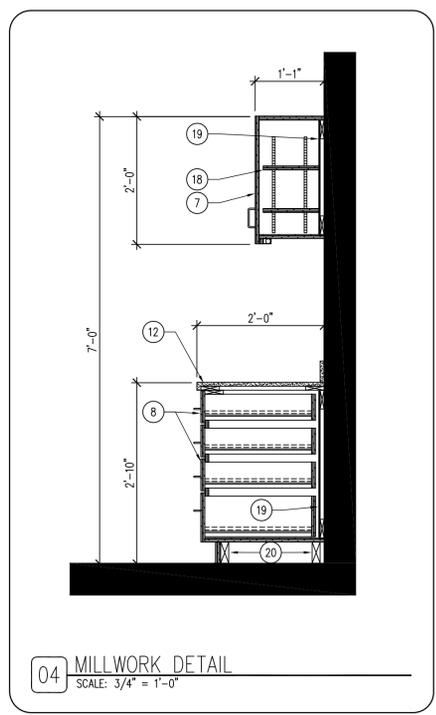
- 3 EA. HINGES FBB179 4 1/2 X 4 1/2
- 1 EA. STOREROOM LOCKSET ND10S (ATHENS)
- 1 EA. FLOOR STOP FS444
- 3 EA. SILENCERS SR66 (BLACK)

**GENERAL NOTES**

- WOOD DOORS TO BE GRADE "AA" MAPLE WOOD VENEER SOLID CORE. FINISH TO BE APPROVED BY ARCHITECT.
- ALL HARDWARE MODEL NUMBERS BASED ON SCHLAGE "ND-SERIES" LOCKSETS AND "IVES" HARDWARE.
- HARDWARE FINISH TO BE: "SATIN NICKEL (619)", UNLESS NOTED OTHERWISE.
- WINDOW BASIS OF DESIGN, PELLA ENCOMPASS - VINYL. REFER TO MANUFACTURER'S INSTRUCTIONS.
- CHECK ALL QUANTITIES, DIMENSIONS AND FINISHES BEFORE ORDERING. WINDOWS AND DOORS ARE BASED ON THE EXISTING ROUGH OPENING SIZE, SIZE TO MATCH.

**FINISH DESCRIPTION**

FINISH MARK	MATERIAL	MANUFACTURER INFO		DIMENSION	COLOR	FINISH	COMMENTS
		COMPANY NAME	PRODUCT NUMBER				
<b>FLOOR FINISH</b>							
CONC-1	STAINED CONCRETE	SCOFIELD	-	-	TBD	SEAL & WAX	TWO COATS STAIN, SEAL & WAX
RB-1	RUBBER BASE	JOHNSONITE	-	4"	TBD	-	-
<b>CEILING FINISH</b>							
ACT-1	ACOUSTICAL CLG TILE	ARMSTRONG	1911	24" X 24"	WHITE	ULTIMA	PRELUDE XL 15/16" SUSP. SYSTEM
GYP-1	GYP-SUM CEILING	-	-	-	WHITE	PNT-1	-
GYP-2	GYP-SUM CEILING	-	-	TYPE X 5/8"	WHITE	PNT-1	FIRE CAULK, TAPE & MUD
<b>INTERIOR FINISH</b>							
PNT-1	INTERIOR PAINT	BENJAMIN MOORE	-	-	TBD	PEARL	COMMON
PNT-2	INTERIOR PAINT	BENJAMIN MOORE	-	-	TBD	PEARL	ACCENT
RW-1	ESSENTIAL BOARD	REWALL	-	1/2"	WHITE	PAINT	LIGHT ORANGE PEEL FINISH
<b>MILLWORK / WOOD FINISH</b>							
WD-1	MAPLE VENEER PLYWOOD	-	-	-	NATURAL	CLEAR	ALL WOOD/MILLWORK - SUBMIT SAMPLES
WD-2	3/4" SOLID MAPLE	-	-	-	NATURAL	CLEAR	ALL WOOD/MILLWORK - SUBMIT SAMPLES
SS-1	SOLID SURFACE	DUPONT	CORIAN	-	TBD	-	-



- KEYNOTES**
- DOOR AS SCHEDULED.
  - HOLLOW METAL DOOR FRAME.
  - 1/2" REWALL ESSENTIAL BOARD.
  - BLOW-IN INSULATION AS SCHEDULED, REFER TO WALL TYPES A-003.
  - 2X4 OR 3 5/8" METAL STUD.
  - 2X4 OR 3 5/8" METAL BOX HEADER.
  - 3/4" PLYWOOD DOOR ON CONCEALED HINGES WITH WOOD VENEER (WD-1). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.
  - 3/4" PLYWOOD DRAWER ON UNDERMOUNT SLIDES WITH WOOD VENEER (WD-1). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.
  - REFRIGERATOR, BY OWNER.
  - WALL FINISH AS SCHEDULED, REFER TO SHEET A-600.
  - 3/4" PLYWOOD VALENCIA WITH WOOD VENEER (WD-1). REFER TO FINISHED SCHEDULE SHEET A-600.
  - 3/4" SOLID SURFACE TOP (SS-1). REFER TO FINISH SCHEDULE SHEET A-600.
  - DOUBLE BASIN STAINLESS STEEL SINK AS SHOWN. REFER TO PLUMBING DRAWINGS.
  - DOOR AS SCHEDULED. REFER TO DOOR SCHEDULE SHEET 1-600.
  - MICROWAVE AND FAN EXHAUST COMBINATION SET, SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
  - LP RANGE, SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
  - ELECTRICAL OUTLET, REFER TO ELECTRICAL DRAWINGS.
  - 3/4" PLYWOOD SHELF WITH PLASTIC LAMINATE (PL-1) WITH HARDWOOD EDGE-BANDING. PROVIDE ADJUSTABLE HARDWARE.
  - 1/4" PLYWOOD BACKER BOARD WITH PLASTIC LAMINATE (PL-1).
  - 2X WOOD BLOCKING AS NEEDED.
  - GROMMET HOLE AND PLASTIC GROMMET, SIZE ACCORDING TO MICROWAVE MANUFACTURER'S RECOMMENDATIONS.
  - ADA COMPLIANT UNDER SINK DOORS ON CONCEALED HINGES WITH WOOD VENEER (WD-1). PROVIDE DECORATIVE HARDWARE WIRE PULLS, REFER TO FINISH SCHEDULE SHEET A-600.

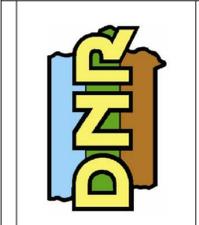
**DOOR SCHEDULE**

DOOR NUMBER	DOOR			FRAME						FIRE RATING LABEL	HARDWARE		COMMENTS		
	DIMENSION			TYPE	GLASS	FINISH	DETAILS				TYPE	FINISH		SET #	KEYSIDE ROOM NUMBER
	WIDTH	HEIGHT	THICK.				HEAD	JAMB	THRESHOLD						
100A	ROUGH OPEN	ROUGH OPEN	1 3/4"	D-1	MANUF.	MATCH ORIGINAL	-	-	-	F-1	MATCH ORIGINAL	-	1	EXT.	EXT. STEELCRAFT "L" SERIES - HALF-LIGHT
100B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING TO REMAIN
100C	3'-0"	7'-0"	1 3/4"	D-2	-	CLEAR MAPLE	-	-	-	F-1	PNT-1	-	3	-	CLEAR MAPLE FINISH
101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING TO REMAIN
102A	3'-0"	7'-0"	1 3/4"	D-2	-	CLEAR MAPLE	-	-	-	F-1	PNT-1	-	2	-	CLEAR MAPLE FINISH
102B	3'-0"	7'-0"	1 3/4"	D-2	-	CLEAR MAPLE	-	-	-	F-1	PNT-1	-	2	-	CLEAR MAPLE FINISH
104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING TO REMAIN
105	3'-0"	7'-0"	1 3/4"	D-2	-	CLEAR MAPLE	-	-	-	F-1	PNT-1	-	1	-	CLEAR MAPLE FINISH
106A	ROUGH OPEN	ROUGH OPEN	1 3/4"	D-1	MANUF.	MATCH ORIGINAL	-	-	-	F-1	MATCH ORIGINAL	-	1	EXT.	EXT. STEELCRAFT "L" SERIES - HALF-LIGHT
106B	3'-0"	7'-0"	1 3/4"	D-2	-	CLEAR MAPLE	-	-	-	F-1	PNT-1	-	3	-	CLEAR MAPLE FINISH
107A	20'-0"	10'-0"	-	-	24X6	MANUF.	-	-	-	-	-	-	-	-	CHI OVERHEAD DOOR - 3221 INSULATED
107B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING TO REMAIN
108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING TO REMAIN

**WINDOW SCHEDULE**

WINDOW TYPE	WINDOW			FRAME						QUANTITY	COMMENTS		
	DIMENSION			TYPE	GLASS	FINISH	DETAILS					TYPE	FINISH
	WIDTH	HEIGHT	THICK.				HEAD	JAMB	SILL				
W-1	ROUGH OPEN	ROUGH OPEN	1	LOW-E	MANUF.	-	-	-	VNYL	WHITE	8	PELLA ENCOMPASS - SLIDER XOX WINDOW (BASE = 1, ALTERNATE #1 = 7)	
W-2	ROUGH OPEN	ROUGH OPEN	1	LOW-E	MANUF.	-	-	-	VNYL	WHITE	2	PELLA ENCOMPASS - SLIDER XO WINDOW (BASE = 0, ALTERNATE #1 = 2)	

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ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034  
P: 515.281.5918  
F: 515.281.8685



**FINISH, DOOR & WINDOW SCHEDULES**  
OFFICE TENANT IMPROVEMENTS FOR:  
**OTTER CREEK WMA**  
TAMA COUNTY, IOWA  
OTTER CREEK WMA

NO.	BY	DATE	REVISION

PROJECT NUMBER: 12-05-86-05  
DATE: 05.29.2013

**A-600**













# ELECTRICAL SYMBOLS

	FLUORESCENT TROFFER
	FLUORESCENT STRIP FIXTURE
	INCANDESCENT FIXTURE - SURFACE MOUNTED
	RECESSED FLUORESCENT DOWNLIGHT
	INCANDESCENT WALL BRACKET FIXTURE - HEIGHT AS NOTED
	DUPLEX RECEPTACLE, +18" OR AS NOTED
	FOUR PLEX RECEPTACLE, +18" OR AS NOTED
	SINGLE RECEPTACLE, +18" OR AS NOTED
	DUPLEX GROUND FAULT RECEPTACLE, +18" OR AS NOTED
	DUPLEX GROUND FAULT RECEPTACLE WITH WEATHERPROOF COVER, +24" OR AS NOTED
	SPECIAL OUTLET AS NOTED, +18" OR AS NOTED
	EQUIPMENT CONNECTION AS NOTED
	MOTOR OUTLET
	SAFETY DISCONNECT SWITCH, SEE EQUIPMENT SCHEDULE
	LIGHTING AND POWER PANEL - FLUSH MOUNTED
	LIGHTING AND POWER PANEL - SURFACE MOUNTED
	EXPOSED CONDUIT
	CONDUIT CONCEALED IN CEILING OR WALL CONSTRUCTION
	OCCUPANCY SENSOR, CEILING MOUNTED
	OCCUPANCY SENSOR, WALL MOUNTED, +48" OR AS NOTED
	SINGLE POLE SWITCH, +48" OR AS NOTED LOWERCASE LETTERING DENOTES SWITCH LEG
	THREE WAY SWITCH, +48" OR AS NOTED LOWERCASE LETTERING DENOTES SWITCH LEG
	2-JACK DATA OUTLET, +18" OR AS NOTED
	EQUIPMENT IDENTIFICATION
	EQUIPMENT NUMBER
	NOTE REFERENCE
	120V STAND ALONE SMOKE DETECTOR WITH INTEGRAL ALARM

# ELECTRICAL GENERAL NOTES

- THE ENTIRE PROJECT SHALL COMPLY WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRIC CODE (NEC), INCLUDING AMENDMENTS, AND WITH ALL STATE, LOCAL, AND OTHER CODES AS APPLICABLE. THE CURRENT ISSUE SHALL BE THE ISSUE THAT IS IN EFFECT WHEN THE CONSTRUCTION PERMITS ARE SECURED FOR THE WORK. THE INTERPRETATIONS AND DECISIONS OF THE AUTHORITY HAVING JURISDICTION OF APPLICABLE CODES SHALL GOVERN.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED STATE AND LOCAL PERMITS AND ASSOCIATED FEES.
- NOTE THAT THE ELECTRICAL DRAWINGS ARE ONLY A PORTION OF THE COMPLETE SET OF PLANS. THE COMPLETE SET OF PLANS SHALL BE USED TO DEFINE THE ELECTRICAL WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, USING THE ARCHITECTURAL PLANS FOR DIMENSIONS AND DETAILS; EQUIPMENT PLANS FOR ROUGH-IN REQUIREMENTS, AND THE MECHANICAL PLANS FOR EQUIPMENT SIZES AND LOCATIONS. COORDINATE ALL WIRING DEVICE LOCATIONS AND ELEVATIONS INDICATED ON PLANS WITH THE OWNER, ARCHITECT AND FINAL FURNITURE/EQUIPMENT LAYOUTS.
- COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE THE GENERAL AND APPROXIMATE LOCATION. THE LAYOUT DOES NOT SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED, NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE RACEWAYS.
- ALL CONDUCTOR SIZES ARE BASED ON COPPER UNLESS OTHERWISE NOTED.
- SUPPORT ALL CONDUITS FROM STRUCTURAL SLABS, WALLS, STRUCTURAL MEMBERS AND ROOF JOISTS. DO NOT SUPPORT CONDUITS FROM CEILING TIE WIRES, DUCTWORK, PIPING OR OTHER NONSTRUCTURAL MEMBERS.

# ELECTRICAL ABBREVIATIONS

ACT	DEVICE MOUNTED +8" ABOVE COUNTER TOP	N	NEW DEVICE IN EXISTING LOCATION
E	EXISTING ITEM TO REMAIN	R	EXISTING ITEM TO BE REMOVED
ER	NEW LOCATION OF EXISTING ITEM	RR	EXISTING ITEM TO BE REMOVED AND RELOCATED
GF	GROUND FAULT CIRCUIT INTERRUPTER	WF	WEATHERPROOF DEVICE

## LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP TYPE	LAMP QTY	BALLAST TYPE	FIXTURE LOAD	FIXTURE VOLTS	APPROVED EQUALS
F1	2X1' LOW-PROFILE T8 TROFFER. 22-GAUGE DIE-FORMED COLD ROLLED STEEL HOUSING. POLYESTER POWDER COAT FINISH BONDED TO PHOSPHATE-FREE, MULTI-STAGE PRETREATED METAL. (2) T8 4100K LAMPS WITH (1) 2-LAMP ELECTRONIC INSTANT START BALLAST.	HE WILLIAMS	LPT-24-232-SA12125-EB2-UNV	T8	2	EB2	56	120/277	LITHONIA GENERAL T8 TROFFER, OR AS APPROVED BY ENGINEER
F1A	SIMILAR TO F1. (3) T8 4100K LAMPS WITH (1) 3-LAMP ELECTRONIC INSTANT START BALLAST.	HE WILLIAMS	LPT-24-332-SA12125-EB3-UNV	T8	3	EB3	83	120/277	LITHONIA GENERAL T8 TROFFER, OR AS APPROVED BY ENGINEER
F2	6" LED CAN LIGHT. ALUMINUM HOUSING RECESSED CAN WITH REFLECTOR.	CREE	CR6-625L-40K-12-E26	LED	AS PROVIDED BY MANUFACTURER	N/A	10	120	LITHONIA DOME LED CAN, OR AS APPROVED BY ENGINEER.
F3	4" STRIP FIXTURE. 22-GAUGE DIE-FORMED COLD ROLLED STEEL HOUSING. MULTI-STAGE IRON/PHOSPHATE PREPARED METAL WITH WHITE POWDER COAT FINISH. (1) T8 4100K LAMP WITH (1) 1-LAMP ELECTRONIC INSTANT START BALLAST.	HE WILLIAMS	75-4-1-32-EB1-120	T8	1	EB1	31	120	LITHONIA GENERAL PURPOSE T8 STRIP, OR AS APPROVED BY ENGINEER.

## Occupancy Sensor Schedule

TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	VOLTAGE	APPROVED EQUALS
OC1	1000 SQUARE FOOT COVERAGE PASSIVE INFRARED WALLBOX OCCUPANCY SENSOR WITH MANUAL SWITCH AND INTEGRAL DAYLIGHTING PHOTOCCELL. IMPACT RESISTANT PIR LENS AND HOUSING WITH WHITE FINISH. 120/277 VOLT INPUT POWER. INTEGRAL SELF-ADJUSTING SENSITIVE MICROPROCESSOR.	WALL	HUBBELL BUILDING AUTOMATION LHIRS1	120/277	WATTSTOPPER WS SERIES
OC2	1500 SQUARE FOOT COVERAGE PASSIVE INFRARED OCCUPANCY SENSOR. 120-347 VOLT INPUT POWER. 360 DEGREE PASSIVE INFRARED COVERAGE. FULL FIVE YEAR WARRANTY FURNISHED BY MANUFACTURER. FIELD CONFIGURE SENSOR FOR MANUAL ON/AUTOMATIC OFF OPERATION.	CEILING	HUBBELL BUILDING AUTOMATION PIR10	120 - 347	WATTSTOPPER CI SERIES

TAG	ELECTRICAL CHARACTERISTICS				DISCONNECT			REMARKS
	VOLTS/PHASE	MOTOR HP	KW	MCA	TYPE	SIZE (AMPS)	NEMA RATING	
F1	115/1	0.5	-	-	FS	20	-	15
CU-1	240/1	-	-	9	DS	30	3R	-
EF-1	240/1	-	0.05	-	INT	-	-	-
CP-1	120/1	1	-	8	-	-	-	-
IR-1, IR-2	120/1	-	-	0.3	-	-	-	-
VP-1	120/1	-	-	4.8	FS	20	-	15
WH-1	240/1	-	5	-	CB	-	-	-

**ABBREVIATIONS:**

CB	CIRCUIT BREAKER IN PANELBOARD
DS	NON-FUSED DISCONNECT SWITCH
FS	FUSE STAT SWITCH
INT	INTEGRAL WITH EQUIPMENT FROM FACTORY

LOAD DESCRIPTION	ELECTRICAL PANEL SPECIFICATIONS - LOAD CENTER A										LOAD DESCRIPTION			
	LOAD (VA)	TY	BRKR	WIRE SIZE	CKT NO	PHASE		CKT BRKR	WIRE SIZE	TY		LOAD (VA)		
RECEPTACLES	900	R	20	#12 3/4"	1	A	2076	2	20	#12 3/4"	M	1176	FURNACE	
RECEPTACLES	1080	R	20	#12 3/4"	3	B	3580	4	30	#10 3/4"	M	5000	EXISTING WH	
RECEPTACLES	720	R	20	#12 3/4"	5		3220	6						
RECEPTACLES	540	R	20	#12 3/4"	7			4140	8	50	#8 3/4"	M	7200	EXISTING WATER PUMP
REFRIGERATOR	1200	A	20	#12 3/4"	9		4800	10						
MICROWAVE	1000	A	20	#12 3/4"	11		4000	12	40	#8 3/4"	M	3000	EXISTING LIFT STATION	
LIGHTS	833	L	20	#12 3/4"	13		4433	14	50	#8 3/4"	R	7200	EXISTING WELDING RECEPTACLE	
CP-1 RAD HEAT (ALT. BID)	800	O	20	#12 3/4"	15		4400	16						
CU	1728	M	30	#10 3/4"	17		1664	18	15	#14 3/4"	R	800	EXISTING BUNK+BATH	
					19		1664	20	15	#14 3/4"	R	800	EX COLD BAY RECEPTACLES	
SPACE					21		1500	22	20	#12 3/4"	O	3000	AIR COMPRESSOR	
SPACE					23		1500	24						
SPACE					25		800	26	20	#12 3/4"	R	800	EXISTING OFFICE / KITCHEN	
SPACE					27		800	28	15	#14 3/4"	L	800	EXISTING SHOP LIGHTS	
SPACE					29		800	30	15	#14 3/4"	L	800	EXISTING COLD BAY LIGHTS	
SPACE					31		800	32	15	#14 3/4"	M	800	EXISTING GARAGE	
VOLTS-PHASE-WIRE	120/240V-1PHASE-3W													
BUS RATING	100A													
MAIN BREAKER RATING	100A													
MOUNTED	SURFACE													
TOT. CONNECTED LOAD (KVA)											40.18			
TOT. CONNECTED LOAD (AMPS)											167.40			
											TOTAL LOAD BY PHASE (KVA)			
											A PHASE CONNECTED LOAD			
											B PHASE CONNECTED LOAD			
											19.29			
											20.88			





