@	AT
AB	ANCHOR BOLT
AC	AIR CONDITION, ER, ING
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
APC	ACOUSTIC PANEL CEILING
APPROX	APPROXIMATELY
ARCH	ARCHITECT
BLDG(S)	BUILDING(S)
BLK	BLOCK
BLKG	BLOCKING
BOS	BOTTTOM OF STEEL
BOTT	BOTTOM
BRG	BEARING
BUR	BUILT-UP ROOFING
CI	CONTRACTOR INSTALLED
CJ	CONTROL JOINT
CL	CENTER LINE
CLF	CHAIN LINK FENCE
CLG	CEILING
CEM	CEMENT
CP	CONTRACTOR PROVIDED
CR	CLASSROOM
CT	CERAMIC TILE
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CPT	CARPET
D	DEEP, DEPTH
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIAM	DIAMETER
DIM	DIMENSION
DOCS	DOCUMENTS
DN	DOWN
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
EA	EACH
EHPA	ENHANCED HURRICANE PROTECTION AREA
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ETCETERA
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FBC	FLORIDA BUILDING CODE
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FFPC	FLORIDA FIRE PREVENTION CODE
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR
FLUOR	FLUORESCENT
FT	FEET
FTG	FOOTING
FURN	FURNITURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLASS, GLAZING
GWB	GYPSUM WALLBOARD
HB	HOSE BIBB
HC	HANDICAPPED
HT	HEIGHT, HIGH
HDW	HARDWARE
HM	HOLLOW METAL
HMF	HOLLOW METAL FRAME
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
INCAND	INCANDESCENT
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
MAINT	MAINTENANCE
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MVCJ	MASONRY VERTICAL CONTROL JOINT
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
#, NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OI	OWNER INSTALLED
OP	OWNER PROVIDED
OPNG	OPENING
OPP	OPPOSITE
OPH	OPPOSITE HAND
PERIM	PERIMETER
PLAS	PLASTER
PL	PROPERTY LINE
PNT	PAINT (PAINTED FINISH)
PROJ	PROJECT
PT	PRESSURE TREATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PLWD	PLYWOOD
PP	PUSH PLATE
QT	QUARRY TILE
R/W	RIGHT OF WAY
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REINF	REINFORCE/MENT/ING
REQ'D	REQUIRED
RM	ROOM
RO	ROUGH OPENING
RWB	RESILIENT WALL BASE
RWL	RAIN WATER LEADER
SC	SMOKE COMPARTMENT
SHT	SHEET
SF	SQUARE FOOT
SIM	SIMILAR
SOG	SLAB ON GRADE
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS (RATING)
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRL	STRUCTURAL
SUSP	SUSPEND / ED / SION
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TEMP	TEMPORARY
TERR	TERRAZZO
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOT	TOTAL
T/S	TOP OF SLAB
TYP	TYPICAL (UNO)
UNO	UNLESS NOTED OTHERWISE
V	VINYL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VENEER PLASTER
VSF	VINYL SHEET FLOORING
VT	VINYL TILE
VTR	VENT TO ROOF
W	WIDE, WIDTH
W/	WITH
WP	WEATHERPROOF
WWF	WELDED WIRE FABRIC
WVP	WOOD VENEER PANELING

ARCHITECTURAL ABBREVIATIONS AND ACRONYMS D12

DRAWING TAGS

FURNITURE & EQUIP

1002

ROOM#
ROOM NAME
50 50
PROGRAM SQ. FT.
ACTUAL SQ. FT.

PARTITION TYPE

P-X

SPECIFIC NOTE

30

KEYNOTE

03300.A2 - FTG
DESCRIPTION
ARCHITECT'S INTERNAL DESIGNATION
SPECIFICATION SECTION

HOLLOW METAL FRAME TYPE

F11

DOOR TAG

101a

SPOT ELEV

SIGNAGE TAGS

SIGNAGE LOCATION

A
SIGN TYPE REQUIRED

DRAWING IDENTIFICATION

DWG NAME
SCALE
DWG NO

NORTH ARROW

N

GRAPHIC SCALE

0 4' 8' 16'

DETAIL INDICATION

DWG NO
G1
A101.2
SHT NO

SECTION CUT INDICATION

DWG NO
A6
A401
SHT NO
VIEW DIRECTION

ELEVATION INDICATION

VIEW DIRECTION
D4
A201
DWG NO
SHT NO

ARCHITECTURAL DRAWING SYMBOLS D7

COVER

1

DRAWING INDEX D1

REFLECTED CEILING PLAN

GWB CLG

CEM PLAS CLG

APC

2X4 LAY IN FIXT

1X4 FLOUR FIXT

1X4 CLG MTD OR PENDANT MTD FLUOR FIXT, SEE ELECT DWGS

INCAND LIGHT FIXT

AIR GRILLES

EXIT SIGN, CLG MTD

FLOOR PLAN

PTN OR WALL

PTN OR WALL TO BE REMOVED

EXIST PTN OR WALL TO REMAIN

CMU WALL

TILT-UP CONC PANEL

DOOR (NEW OR EXIST RELOCATED)

DOOR AND FRAME TO BE REMOVED

DOOR (EXIST TO REMAIN)

WINDOW (EXIST TO REMAIN)

WATER CLOSET *

URINAL *

LAVATORY *

WATER COOLER *

* HATCHING OVER FIXTURE SYMBOL INDICATES AN ACCESSIBLE FIXTURE

BRACKET MTD FIRE EXTINGUISHER

CABINET MTD FIRE EXTINGUISHER

LEGENDS A4

VICINITY MAP
NTS
A1

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HILLSBOROUGH COUNTY
SHERIFF'S OFFICE
2008 EAST 8TH AVENUE
TAMPA, FLORIDA 33605

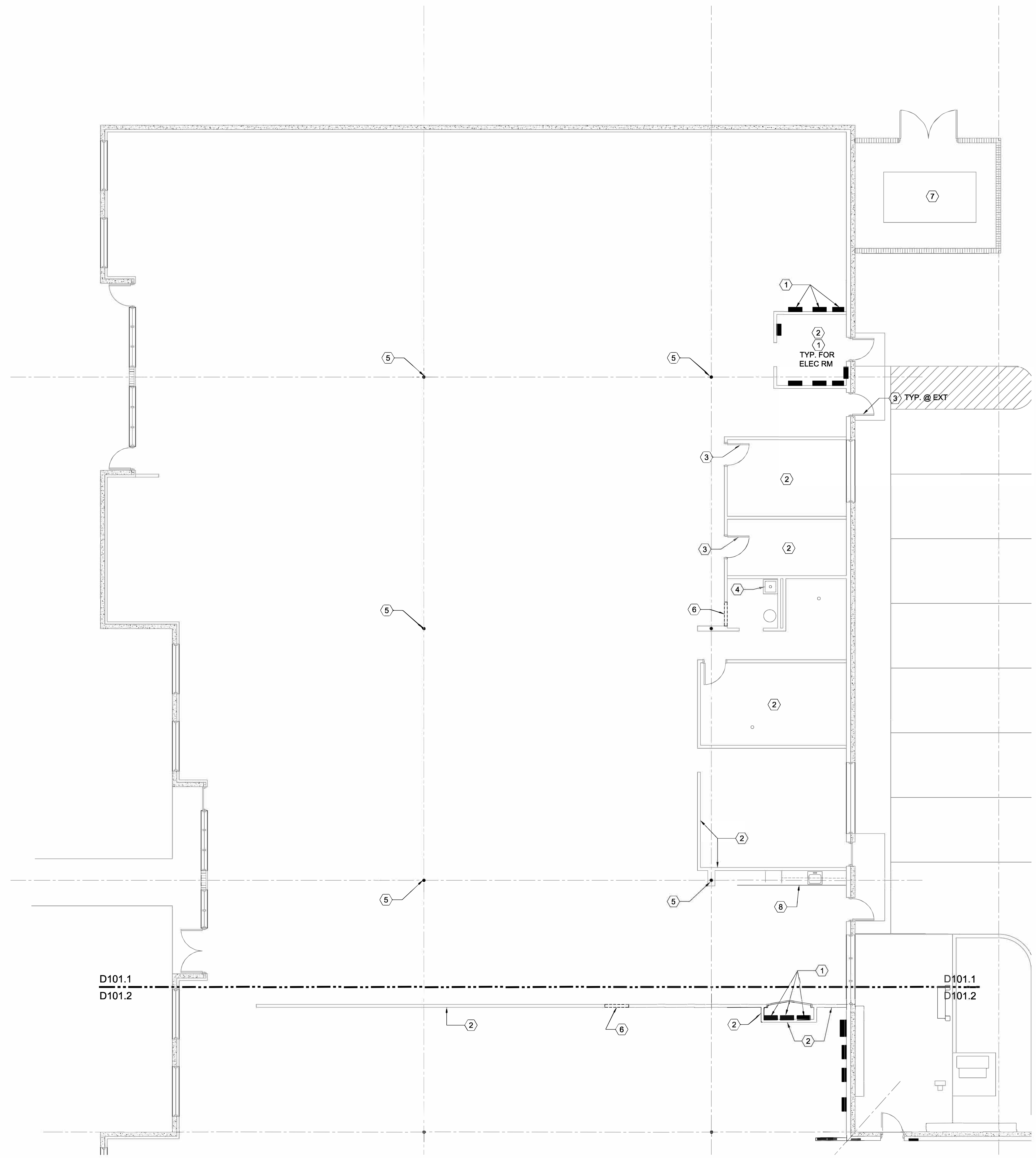
HILLSBOROUGH COUNTY SHERIFF'S OFFICE RENOVATIONS PINEBROOKE BUSINESS PARK

Project #: 1505-00

Distribution	Date
CD CHECK SET	10/15/15
100% CONST. DOCS	11/16/15
ADDENDUM 01	12/17/15

GENERAL INFORMATION

A000



PARTIAL DEMOLITION PLAN
1/8" = 1'-0"
A3

GENERAL DEMO PLAN NOTES

1. CONTRACTOR TO PROTECT ALL EXIST FINISHES THAT ARE TO REMAIN.
2. REMOVE EXIST FLOOR FINISHES THAT REMAIN, TYP.
3. GWB ON EXTERIOR WALLS SHALL REMAIN, TYP.
4. CONC SLAB TO BE REMOVED AS REQUIRED FOR INSTALLATION OF NEW SANITARY LINES ASSOCIATED WITH NEW TOILET ROOMS. SEE PLUMBING DRAWINGS.

SPECIFIC DEMO PLAN NOTES

1. EXIST ELEC PANEL TO REMAIN.
2. EXIST PARTITION(S) TO REMAIN.
3. EXIST DOOR AND FRAME TO REMAIN.
4. EXIST MOP SINK TO REMAIN
5. EXIST STL COL.
6. REMOVE EXIST PARTITION AS REQUIRED FOR NEW DOOR AND FRAME INSTALLATION.
7. EXIST GENERATOR TO REMAIN.
8. EXIST CASEWORK TO REMAIN.

DEMOLITION PLAN LEGEND

PTN OR WALL TO BE REMOVED
EXIST PTN OR WALL TO REMAIN
DOOR AND FRAME TO BE REMOVED
DOOR (EXIST TO REMAIN)
WINDOW (EXIST TO REMAIN)
EXIST URINAL
EXIST LAVATORY
EXIST WATER COOLER

NOTES & LEGENDS
A1

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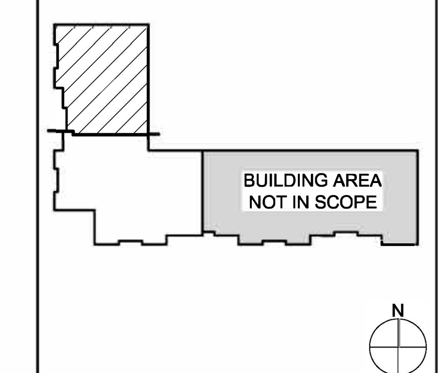

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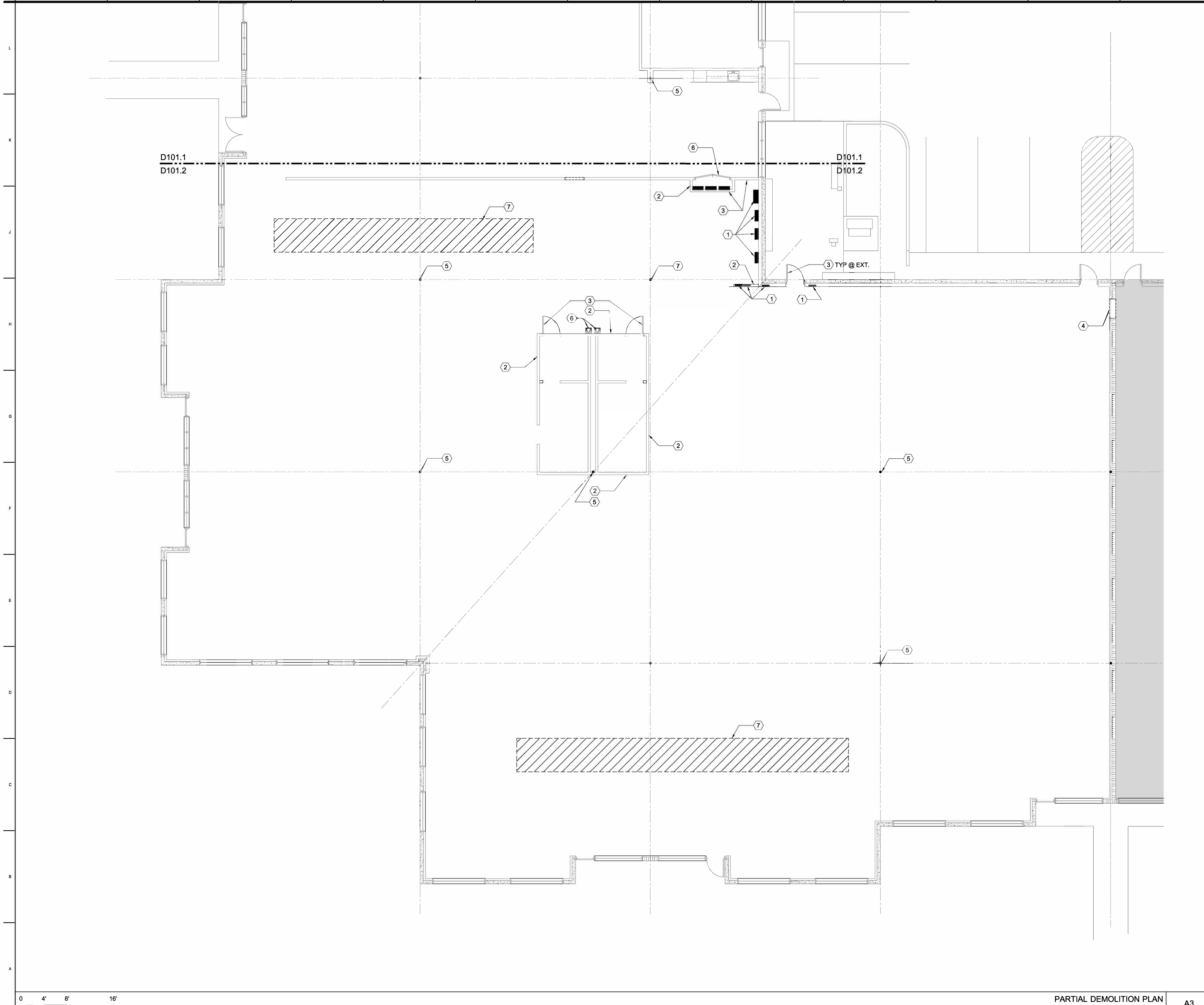
PARTIAL DEMOLITION PLAN

D101.1



PARTIAL DEMOLITION PLAN
1/8" = 1'-0"
A3

GENERAL DEMO PLAN NOTES

1. CONTRACTOR TO PROTECT ALL EXIST FINISHES THAT ARE TO REMAIN.
2. REMOVE EXIST FLOOR FINISHES NOT ALREADY REMOVED.
3. GWB ON EXTERIOR WALLS SHALL REMAIN, TYP.
4. CONC SLAB TO BE REMOVED AS REQUIRED FOR INSTALLATION OF NEW SANITARY LINES ASSOCIATED WITH NEW TOILET ROOMS. SEE PLUMBING DRAWINGS.

SPECIFIC DEMO PLAN NOTES

1. EXIST ELEC PANEL TO REMAIN.
2. EXIST PARTITION TO REMAIN.
3. EXIST DOOR AND FRAME TO REMAIN.
4. REMOVE EXIST CMU AS REQUIRE FOR INSTALLATION OF NEW HM FRAME.
5. EXIST STL COL.
6. EXIST DF TO REMAIN.
7. CUT CONC SLAB FOR CONNECTION OF NEW TOILET ROOM SANITARY LINE. DESIGNATED AREA IS APPROXIMATE, CONTRACTOR TO DETERMINE LOCATION OF EXISTING SANITARY LINE.

DEMOLITION PLAN LEGEND

PTN OR WALL TO BE REMOVED
EXIST PTN OR WALL TO REMAIN
DOOR AND FRAME TO BE REMOVED
DOOR (EXIST TO REMAIN)
WINDOW (EXIST TO REMAIN)
EXIST WATER COOLER

NOTES
A1

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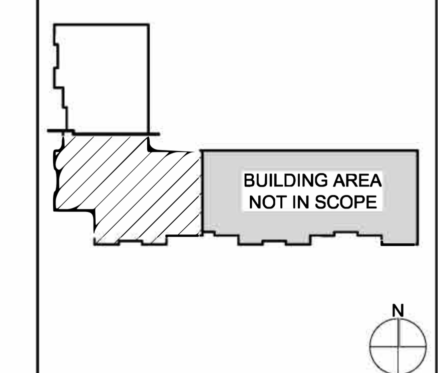

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PARTIAL DEMOLITION PLAN

D101.2

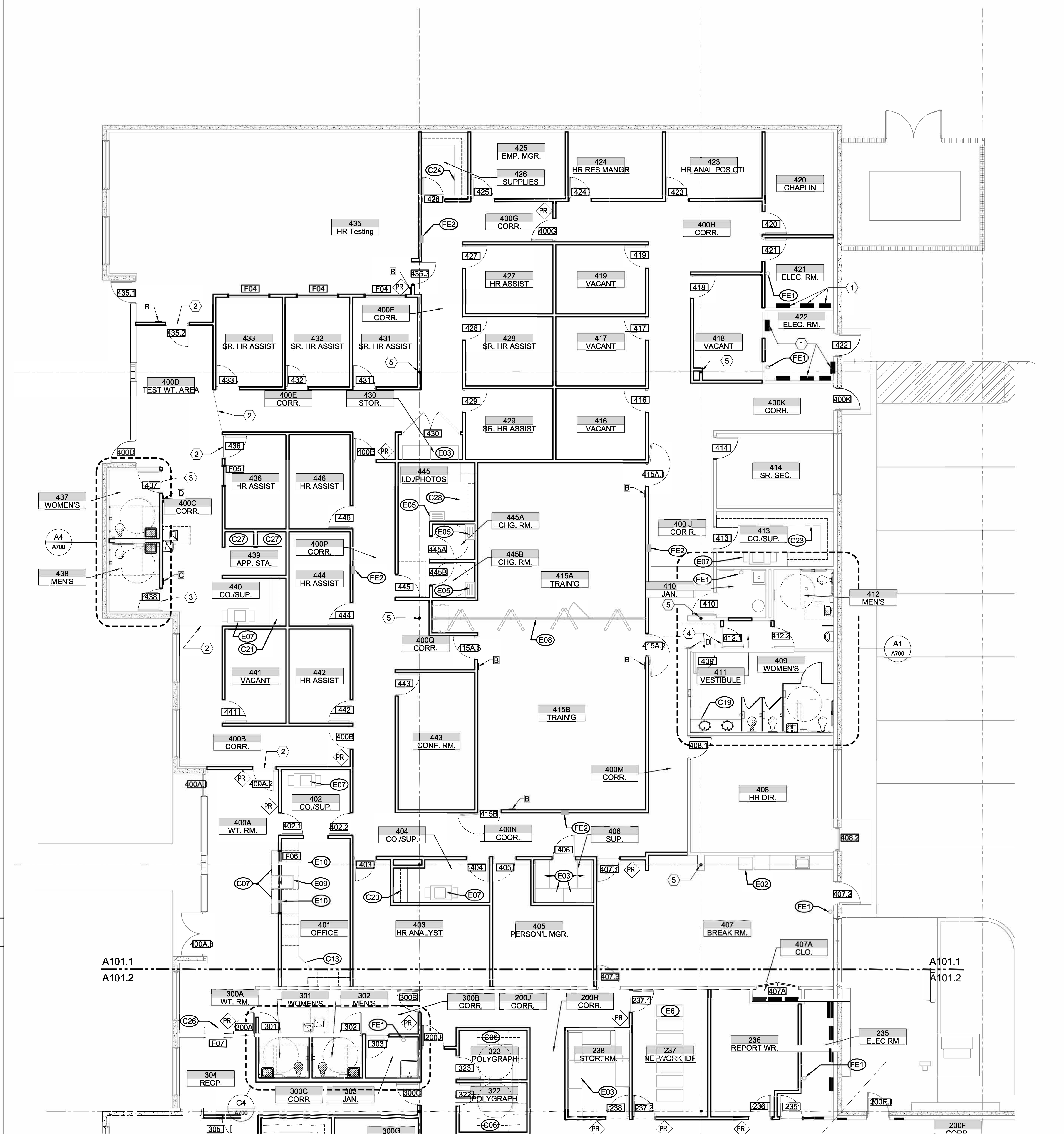
CASEWORK SCHEDULE

NUMBER	DESCRIPTION	CONTRACT STATUS CP	OP	CI	OI	REMARKS
C01	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL A1/A804
C02	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL A6/A804
C03	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL D1/A804
C04	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL D9/A804
C05	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL H1/A804
C06	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL H6/A804
C07	RECEPTION COUNTER, 9'W X 1' D X 36"	•		•		SEE DETAIL H12/A808
C08	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS H10/A804
C09	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS A1/A805
C10	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS A6/A805
C11	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS A11/A805
C12	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL E1/A805
C13	RECEPTION COUNTER, 30" H X 24" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL H1/A808
C14	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS H13/A804
C15	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL E8/A805
C16	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL H1/A805
C17	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL A1/A806
C18	LAVATORY COUNTER	•		•		SEE DETAIL H1/A807
C19	LAVATORY COUNTER	•		•		SEE DETAIL H5/A807
C20	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS H1/A806
C21	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS E1/A807
C22	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS E5/A807
C23	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS H5/A806
C24	BASE AND UPPER CABINETS. 36" H X 24" D COUNTER	•		•		SEE DETAILS A1/A807
C25	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL A8/A807
C26	RECEPTION COUNTER, 3' W X 1' D X 36" H	•		•		-
C27	APPLICATION STATION COUNTERTOP	•		•		SEE DETAIL H9/A807
C28	WORKSTATIONS, 30" H X 30" D W / KNEE SPACE AND ADJACENT BANK OF DRAWERS AND 12" D UPPER CABINETS	•		•		ALL DRAWERS AND CABINETS TO BE LOCKABLE. SEE DETAIL E10/A807

EQUIPMENT / FURNISHINGS SCHEDULE

NUMBER	DESCRIPTION	CONTRACT STATUS CP	OP	CI	OI	REMARKS
E01	ELECTRICALLY OPERATED, PROJECTION SCREEN, CEILING MOUNTED, RECESSED	•		•		SEE SPECIFICATIONS, CONTRACTOR TO PROVIDE POWER AND SWITCHING
E02	REFRIGERATOR		•		•	-
E03	METAL SHELVING					4' W X 24" D X 6' H
E04	METAL SHELVING	•		•		3' W X 24" D X 6' H
E05	PREFABRICATED SEATING UNIT	•		•		CONTRACTOR TO PROVIDE BLOCKING IN WALL, SEE SPECIFICATIONS
E06	DATA RACK		•		•	-
E07	COPIER		•		•	CONTRACTOR TO PROVIDE POWER AND DATA ROUGH-IN
E08	OPERABLE PANEL PARTITION	•		•		SEE SPECIFICATIONS
E09	SECURITY DRAWER	•		•		SEE SPECIFICATIONS
E10	SPEAKER BOX	•		•		SEE SPECIFICATIONS
FE1	BRACKET MOUNTED FIRE EXTINGUISHER	•		•		-
FE2	SEMI-RECESSED FIRE EXTINGUISER CABINET	•		•		-

CASEWORK AND EQUIPMENT SCHEDULES C12



0 4' 8' 16'

PARTIAL FLOOR PLAN - HR
1/8" = 1'-0"
A3

FLOOR PLAN LEGEND

PR PROXIMITY READER LOCATION. CONTRACTOR TO PROVIDE:
- JUNCTION BOX ADJACENT TO DOOR STRIKE FOR FUTURE INSTALLATION OF PROXIMITY READER
- CONDUIT FROM JUNCTION BOX TO ABOVE CEILING
- ELECTRIC STRIKE HARDWARE AND ALL ASSOCIATED POWER CONNECTIONS

BUILDING AREA NOT IN SCOPE

ADA CLEAR TURN-AROUND FLOOR AREA

ADA CLEAR FLOOR AREA AT OPENINGS (ARROW INDICATES APPROACH DIRECTION)

A SIGNAGE LOCATION, TYPICAL. SEE SHEET A802 FOR TYPE (A, B OR C)

ALTERNATES

ALTERNATE 1 - EXTERIOR PAINTING:
PRESSURE WASH, PREPARE AND PAINT ALL EXTERIOR SURFACES OF THE BUILDING, INCLUDING TILT-WALL PANELS, SPLIT-FACE CMU AT ENTRIES, CEMENT PLASTER SOFFITS, HOLLOW METAL DOORS AND FRAMES AND METAL ROOF AND FASCIA PANELS.

ALTERNATE 2 - EXTERIOR TILT-PANEL JOINTS:
REMOVE EXISTING TILT-PANEL JOINT MATERIAL, CLEAN JOINTS AND REPLACE SEALANT AT ALL JOINTS ON THE BUILDING WITH SPECIFIED MATERIAL.

ALTERNATE 3 - REMAINING BUILDING JOINTS:
REMOVE EXISTING JOINT MATERIAL AT ALL REMAINING LOCATIONS ON THE EXTERIOR OF THE BUILDING. THIS INCLUDES JOINTS AT CMU WALLS, PERIMETER STOREFRONTS, HOLLOW METAL FRAMES AND ALL OTHER JOINTS NOT ASSOCIATED WITH THE TILT-PANELS. REPLACE SEALANT AT ALL THESE LOCATIONS WITH SPECIFIED MATERIAL.

ALTERNATE 4 - STOREFRONT GLAZING GASKETS:
REMOVE EXISTING GLAZING GASKETING AT ALL STOREFRONT UNITS. CLEAN GLAZING CHANNEL. INSTALL NEW GLAZING GASKETS.

GENERAL FLOOR PLAN NOTES

1. CONTRACTOR TO PROTECT ALL EXIST FINISHES DURING CONSTRUCTION.
2.
3. THE INTERIOR PERIMTER GWB/MTL STUD ASSEMBLY IS TO REMAIN, TYP. THE CONTRACTOR SHALL REPAIR THE EXISTING FINISH WHERE INTERSECTING PARTITIONS WERE REMOVED.
4. CONTRACTOR TO PROVIDE NEW VERTICAL BLINDS AT ALL WINDOW / STOREFRONT OPENINGS.

1

SPECIFIC FLOOR PLAN NOTES

1. EXIST ELECTRICAL PANEL
2. CPT / VCT TRANSITION
3. CT / VCT TRANSITION
4. CPT / CT TRANSITION
5. EXIST STL COL

NOTES A1

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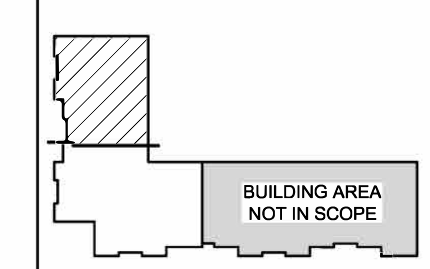

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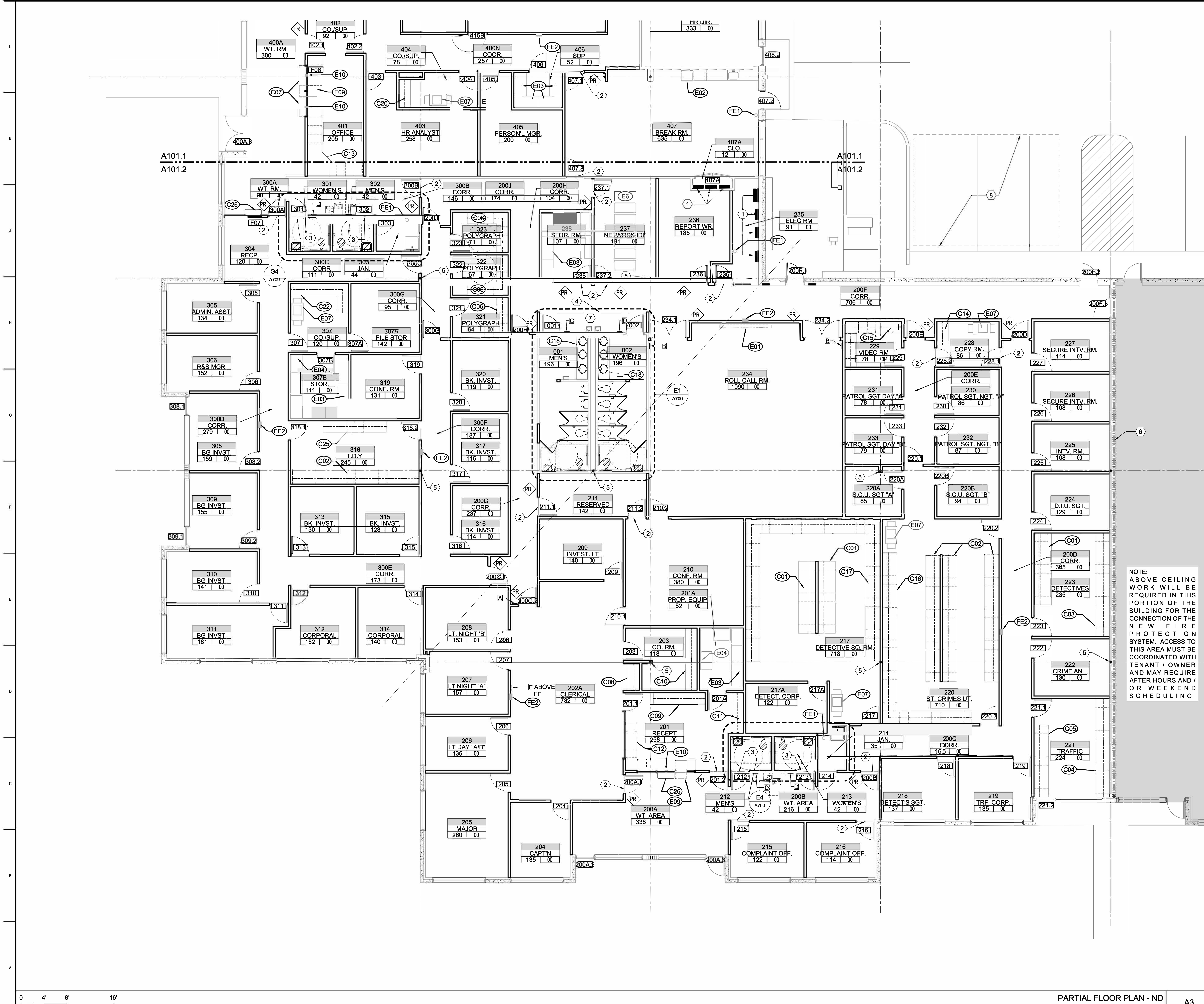
PARTIAL FLOOR PLAN - HR

A101.1



PARTIAL FLOOR PLAN - ND
1/8" = 1'-0"
A3

FLOOR PLAN LEGEND

PR — PROXIMITY READER LOCATION. CONTRACTOR TO PROVIDE:
- JUNCTION BOX ADJACENT TO DOOR STRIKE FOR FUTURE INSTALLATION OF PROXIMITY READER
- CONDUIT FROM JUNCTION BOX TO ABOVE CEILING
- ELECTRIC STRIKE HARDWARE AND ALL ASSOCIATED POWER CONNECTIONS

BUILDING AREA NOT IN SCOPE

ADA CLEAR TURN-AROUND FLOOR AREA

ADA CLEAR FLOOR AREA AT OPENINGS (ARROW INDICATES APPROACH DIRECTION)

SIGNAGE LOCATION, TYPICAL. SEE SHEET A802 FOR TYPE (A, B OR C)

GENERAL FLOOR PLAN NOTES

1. CONTRACTOR TO PROTECT ALL EXIST FINISHES DURING CONSTRUCTION.
2.
3. THE INTERIOR PERIMETER GWB/MTL STUD ASSEMBLY IS TO REMAIN, TYP. THE CONTRACTOR SHALL REPAIR THE EXISTING FINISH WHERE INTERSECTING PARTITIONS WERE REMOVED.
4. CONTRACTOR TO PROVIDE NEW VERTICAL BLINDS AT ALL WINDOW / STOREFRONT OPENINGS.

SPECIFIC FLOOR PLAN NOTES

1. EXIST ELECTRICAL PANEL
2. CPT / VCT TRANSITION
3. CT/ VCT TRANSITION
4. CPT / CT TRANSITION
5. EXIST STL COL
6. EXIST 1-HOUR RATED PARTITION
7. PROVIDE CT AT TOILET ROOM ENTRY.
8. FUTURE LOCATION OF NEW GENERATOR, ATS AND ENCLOSURE (TO BE PROVIDED AND INSTALLED BY OWNER).

NOTES
A1

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BUILDING AREA NOT IN SCOPE

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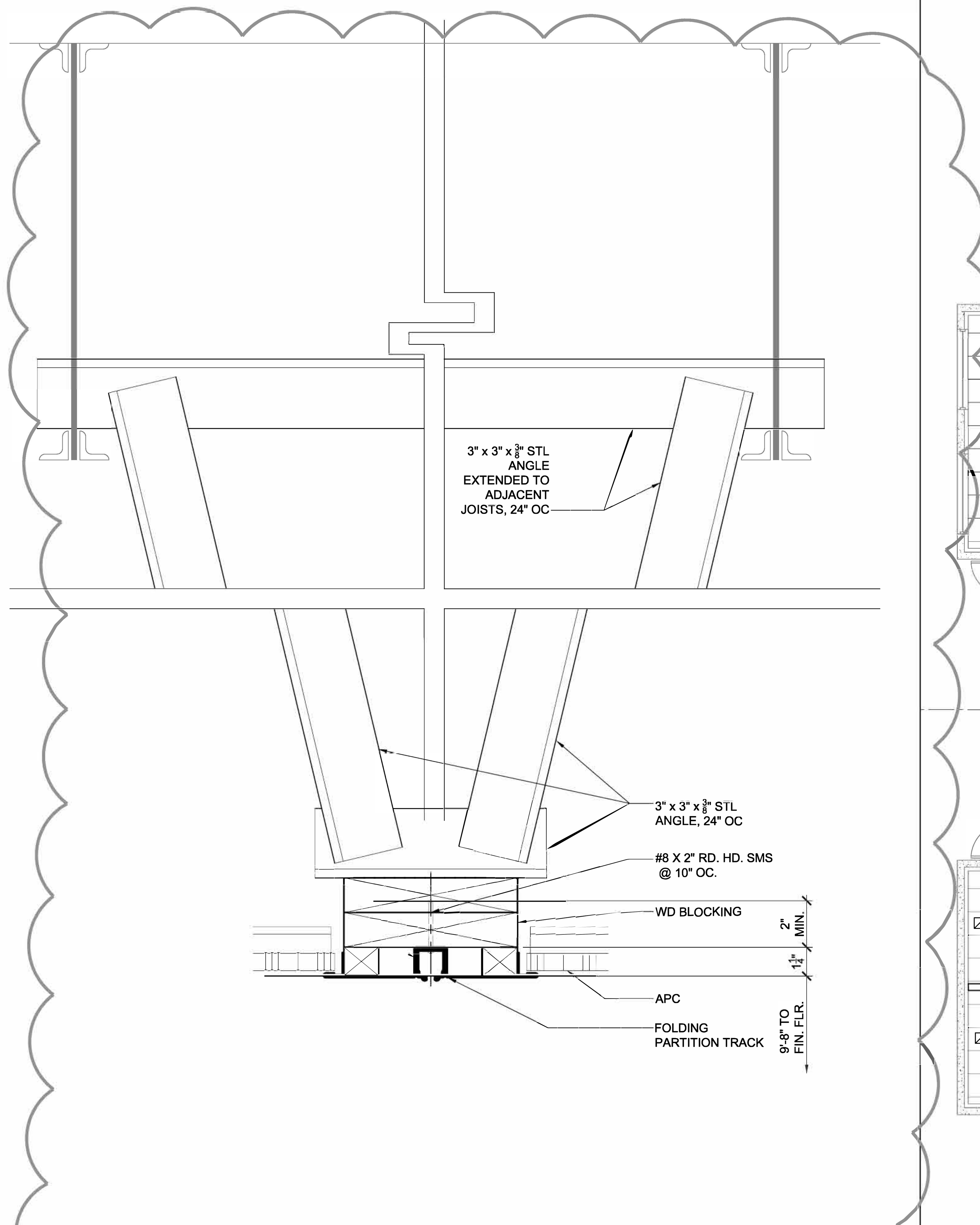
PARTIAL FLOOR PLAN-ND

A101.2



FOLDING PARTITON HEAD DETAIL
3" = 1'-0"
E11

0 4' 8' 16'

PARTIAL REFLECTED CEILING PLAN - HR
1/8" = 1'-0"
A3

GENERAL CEILING PLAN NOTES

1. CONTRACTOR TO PROTECT ALL EXIST FINISHES DURING CONSTRUCTION.
2. CEILING GRID PATTERN SHALL BE CONTINUOUS.
3. CENTER ALL CEILING MOUNTED DEVICES IN THE GRID.

SPECIFIC CEILING PLAN NOTES

1. OPERABLE PANEL PARTITION TRACK.
2. EXIT SIGN, TYP.
3. RECESSED CAN FIXTURE, TYP.

NOTES
A1

WILDERARCHITECTURE, INC.
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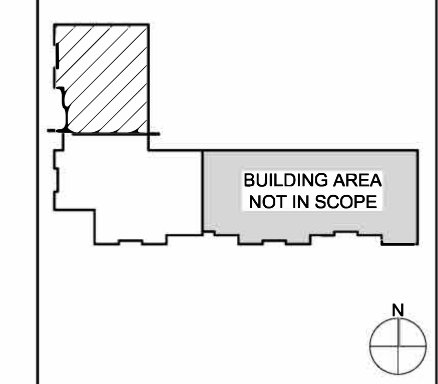

HILLSBOROUGH COUNTY
SHERIFF'S OFFICE
2008 EAST 8TH AVENUE
TAMPA, FLORIDA 33605

HILLSBOROUGH COUNTY SHERIFF'S OFFICE RENOVATIONS PINEBROOKE BUSINESS PARK

PROJECT #: 1505-00

DISTRIBUTION	DATE
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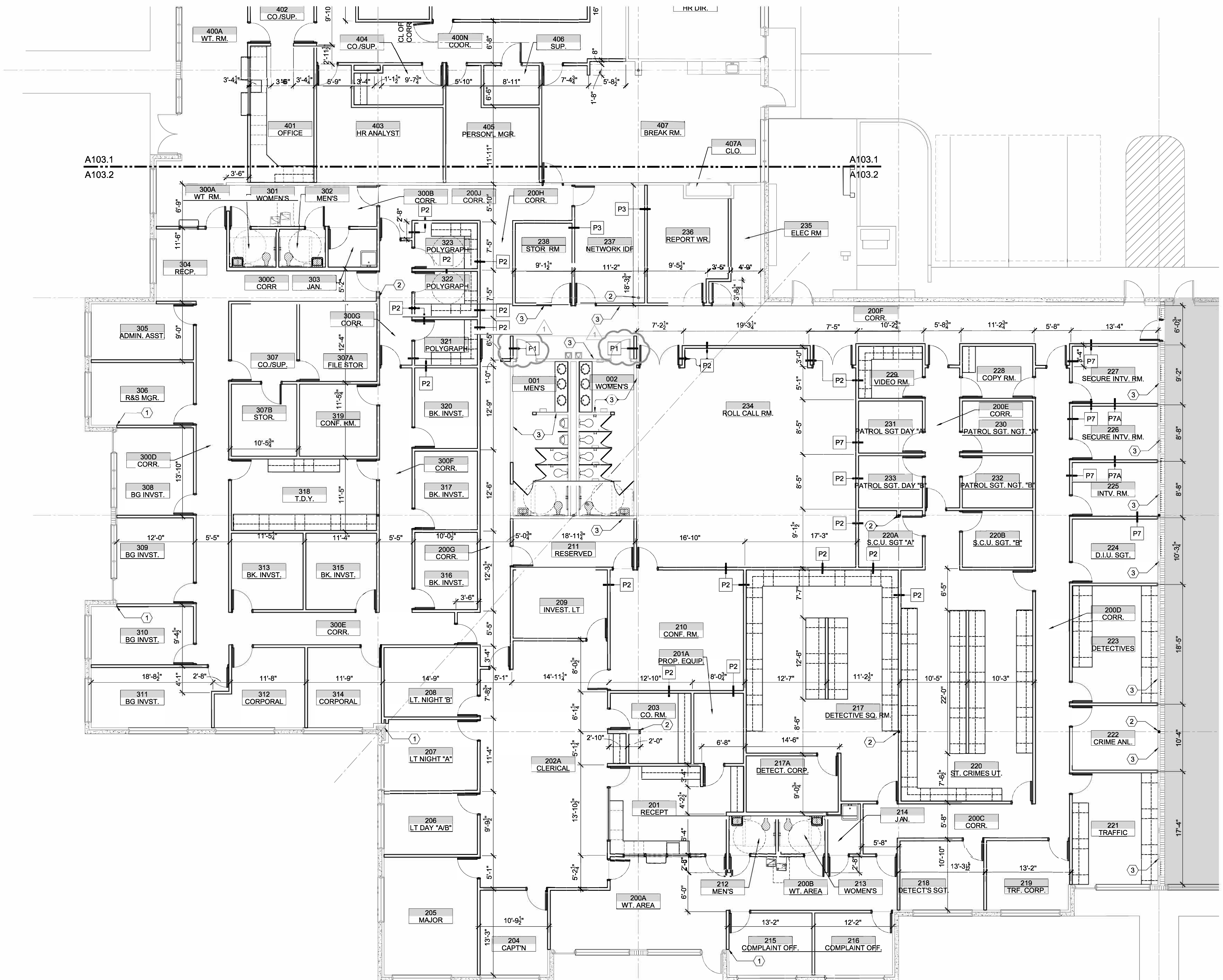
ADDENDUM 01	12/17/15

PARTIAL REFLECTED CEILING PLAN - HR

A102.1



PARTIAL DIMENSION PLAN - ND A3

1/8" = 1'-0"

GENERAL DIMENSION PLAN NOTES

1. PARTITION ARE TYPE P1, TYP. UNO.
2. ALL DIMENSIONS ARE FROM CENTERLINE OF NEW PARTITION AND FACE OF EXIST PARTITION, UNO.
3. GWB SHALL REMAIN ON ALL EXTERIOR WALLS. REPAIR / PATCH / PNT AREAS WHERE INTERSECTING PARTITIONS WERE REMOVED.
4. SEE ENLARGED TOILET ROOM PLANS, SHEET A700, FOR PARTITION TYPES AT TOILET ROOMS

SPECIFIC DIMENSION PLAN NOTES

1. ALIGN FACE OF NEW PARTITION WITH FACE OF EXIST PARTITION.
2. EXIST STL COL.
3. EXIST PARTITION TO REMAIN.

NOTES A1

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BUILDING AREA NOT IN SCOPE

HILLSBOROUGH COUNTY
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PARTIAL DIMENSION PLAN - ND

A103.2

FINISH SCHEDULE R./S.

ROOM NUMBER	ROOM NAME	FLOOR	BASE	FINISH WALLS SOUTH	EAST	WEST	NORTH	CEILING HEIGHT	CEILING FINISH	REMARKS
300A	WAITING ROOM	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
300B	CORRIDOR	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
300C	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
300D	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
300E	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
300F	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
300G	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
301	WOMEN'S	CT	CT	CT/EPXY	EPXY	EPXY	EPXY	9'-8"	APC	1
302	MEN'S	CT	CT	CT/EPXY	EPXY	EPXY	EPXY	9'-8"	APC	1
303	JANITORAL	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
304	RECEPTION	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
305	ADMINISTRATION ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
306	R&S MANAGER	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
307	COPY/SUPPLIES	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
307A	FILE STORAGE	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
307B	STORAGE SHELVING	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
308	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
309	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
310	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
311	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
312	CORPORAL	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
313	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
314	CORPORAL	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
315	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
316	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
317	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
318	T.D.Y.	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
319	CONFERENCE ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
320	BACKGROUND INVESTIGATOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-

FINISH SCHEDULE R./S. G3

FINISH SCHEDULE N.D.

ROOM NUMBER	ROOM NAME	FLOOR	BASE	FINISH WALLS SOUTH	EAST	WEST	NORTH	CEILING HEIGHT	CEILING FINISH	REMARKS
001	MEN'S	CT	CT	CT/EPXY	CT/EPXY	EPXY	EPXY	9'-8"	APC	1
002	WOMEN'S	CT	CT	CT/EPXY	EPXY	CT/EPXY	EPXY	9'-8"	APC	1
200A	WAITING AREA	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
200B	WAITING AREA	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
200C	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
200D	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
200E	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
200F	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
200G	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
200H	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
200J	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
201	RECEPTION	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
201A	PROP. EQUIPMENT	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
202A	CLERICAL	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
203	COPY ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
204	CAPTAIN	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
205	MAJOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
206	LIEUTENANT DAT "A/B"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
207	LIEUTENANT NIGHT "A"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
208	LIEUTENANT NIGHT "B"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
209	INVESTIGATIVE LIUTENANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
210	CONFERENCE ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
211	RESERVED	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
212	MEN'S	CT	CT	EPXY	EPXY	EPXY	CT/EPXY	9'-8"	APC	1
213	WOMEN'S	CT	CT	EPXY	EPXY	EPXY	CT/EPXY	9'-8"	APC	1
214	JANITORAL	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
215	COMPLAINT OFFICE	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	
216	COMPLAINT OFFICE	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
217	DETECTIVE SQUAD ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
217A	DETECTIVE CORPORAL	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
218	DETECTIVE'S SERGENT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
219	TRAFFIC CORPORAL	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
220	STREET CRIMES UNIT (S.C.U.)	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
220A	S.C.U.SERGENT "A"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
220B	S.C.U. SERGENT "B"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
221	TRAFFIC	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
222	CRIME ANALYST	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
223	DETECTIVES	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
224	D.I.U. SERGENT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
225	INTERVIEW ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
226	SECURE INTERVIEW ROOM.	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
227	SECURE INTERVIEW ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
228	COPY ROOM	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
229	VIDEO DISPOSITION ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
230	PATROL SERGENT NIGHT "A"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
231	PATROL SERGENT DAY "A"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
232	PATORL SERGENT NIGHT "B"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
233	PATROL SERGENT DAY "B"	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
234	ROLL CALL ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
235	ELECTRICAL ROOM	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
236	REPORT WRITING	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
237	NETWORK IDF	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
238	STORAGE ROOM	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-

FINISH SCHEDULE N.D. A9

FINISH SCHEDULE H.R.

ROOM NUMBER	ROOM NAME	FLOOR	BASE	FINISH WALLS SOUTH	EAST	WEST	NORTH	CEILING HEIGHT	CEILING FINISH	REMARKS
400A	WAITING ROOM	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400B	CORRIDOR	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400C	CORRIDOR	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400D	TESTING WAITING AREA	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400E	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400F	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400G	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400H	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400J	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400K	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400M	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400N	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400P	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
400Q	CORRIDOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
401	OFFICE	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
402	COPY/SUPPLY	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
403	HR ANALYSIT RETIREMENT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
404	COPY/SUPPLIES	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
405	PERSONNEL MANAGER	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
406	SUPPLIES	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
407	BREAK ROOM	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
407A	CLOSET	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
408	HR DIRECTOR	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
409	WOMEN'S	CT	CT	CT/EPXY	EPXY	CT/EPXY	EPXY	9'-8"	APC	1
410	JANITORAL	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
411	VESTIBULE	CT	CT	PNT	PNT	PNT	PNT	9'-8"	APC	-
412	MEN'S	CT	CT	EPXY	CT/EPXY	EPXY	EPXY	9'-8"	APC	1
413	COPY/SUPPLIES	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
414	SENIOR SECRETARY	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
415A	ORIENTATION TRAINING	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
415B	ORIENTATION TRAINING	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
416	VACANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
417	VACANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
418	VACANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
419	VACANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
420	CHAPLIN	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
421	ELECTRICAL ROOM	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
422	ELECTRCAL ROOM	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
423	HR ANAL POS CTL	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
424	HR RESEARCH MANAGER	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
425	EMPLOYMENT MANAGER	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
426	SUPPLIES	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
427	HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
428	SR. HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
429	SR. HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
430	STORAGE	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
431	SR. HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
432	SR. HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
433	SEINOR HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
435	HR TESTING ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
436	HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
437	WOMEN'S	CT	CT	CT/EPXY	EPXY	EPXY	EPXY	9'-8"	APC	1
438	MEN'S	CT	CT	EPXY	EPXY	EPXY	CT/EPXY	9'-8"	APC	1
439	APPLICATION STATIONS	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
440	COPY/SUPPLIES	VCT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
441	VACANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
442	HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
443	CONFERENCE ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
444	HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
445	I.D./PHOTOS	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
445A	CUBICLE CHANGING ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
445B	CUBICLE CHANGING ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-
446	HR ASSISTANT	CPT	RWB	PNT	PNT	PNT	PNT	9'-8"	APC	-

FINISH SCHEDULE H.R. A3

FINISH SCHEDULE REMARKS

1. IN TOILET ROOMS WHERE WALL TILE IS SCHEDULED, TILE SHALL RUN FULL WIDTH OF WALL AND TO A HEIGHT OF 6'-0". PROVIDE CEMENT BACKERBOARD AS A SUBSTRATE FOR THE TILE.
2.

FINISH SCHEDULE ABBREVIATIONS

APC	ACOUSTICAL PANEL CEILING
CPT	CARPET TILE
CT	CERAMIC TILE
EPXY	EPOXY PAINT ON GYPSUM WALLBOARD
EXST	EXISTING FINISH TO REMAIN
PNT	PAINTED GYPSUM WALLBOARD
RWB	RESILIENT WALL BASE
SC	SEALED CONCRETE
VCT	VINYL COMPOSITION TILE

NOTES A1

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE
RENOVATIONS
PINEBROOKE BUSINESS PARK

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FINISH SCHEDULES

A800

PLUMBING PLAN - NORTH

1/8" = 1'-0"

A1

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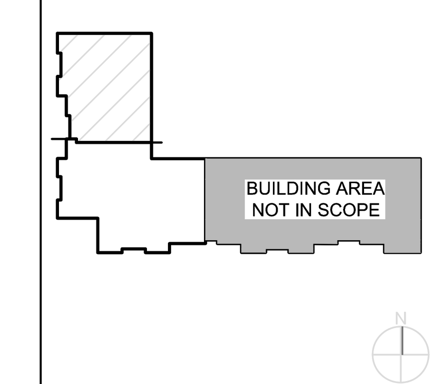
HARRY W. PORTELLOS, P.E. 61597
TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE 2014 FLORIDA BUILDING CODE



HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS
PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

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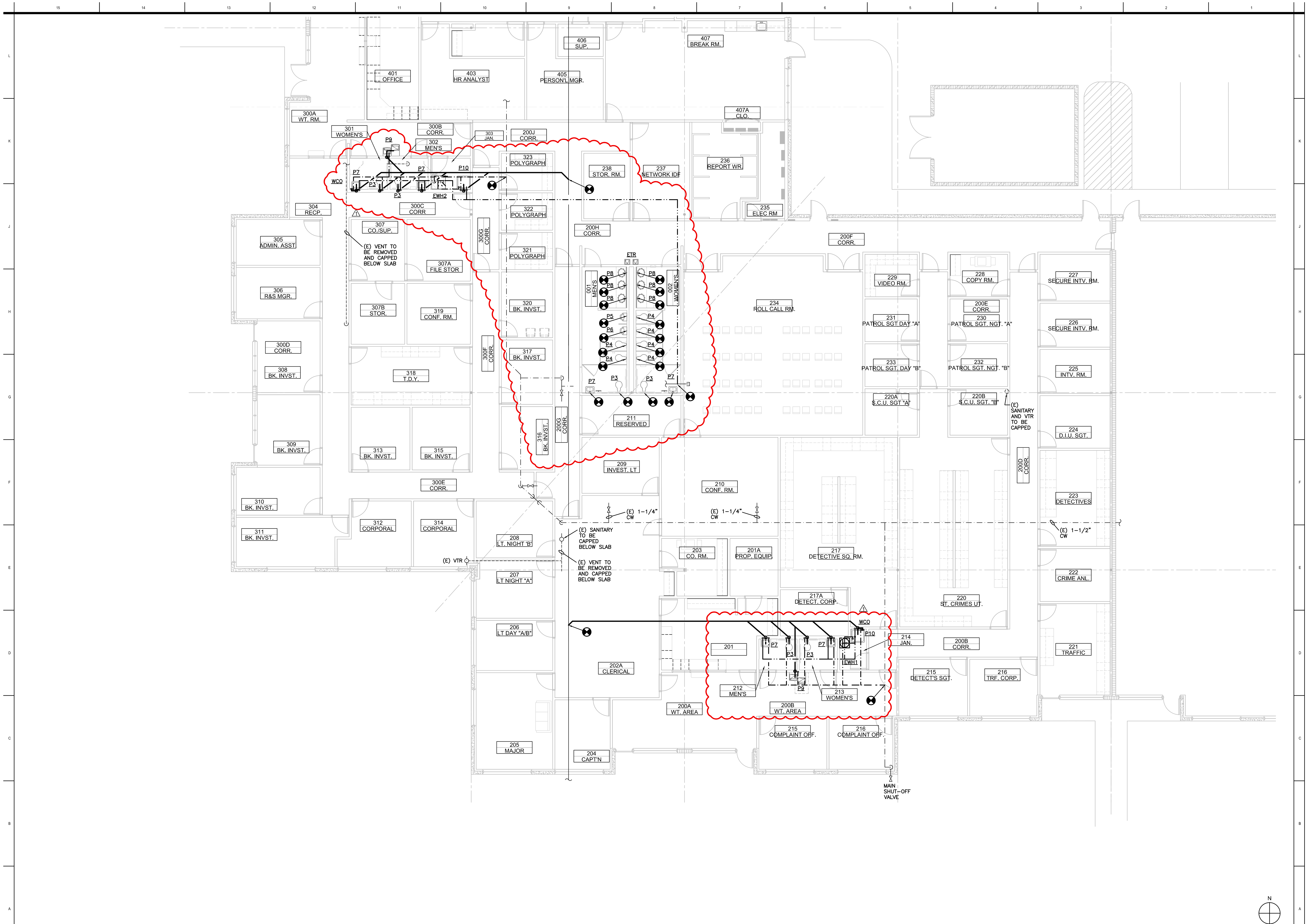
ADDENDUM 01	12/16/15

PLUMBING PLAN - NORTH

P101

Drawing File: I:\15xxx\15042.00\15042p101.dwg P101
Plotted by: Brandon Dec 17, 2015 - 3:31pm



PLUMBING PLAN - SOUTH
1/8" = 1'-0"
A1

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Anston-Greenlees, Inc.
Mechanical & Electrical Consulting Engineers

HARRY W. PORTELLOS, P.E. 61597
TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE 2014 FLORIDA BUILDING CODE

BUILDING AREA NOT IN SCOPE

HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS PINEBROOK BUSINESS PARK

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PLUMBING PLAN - SOUTH

P102

Drawing File: I:\15xxx\15042.00\15042p101.dwg P102
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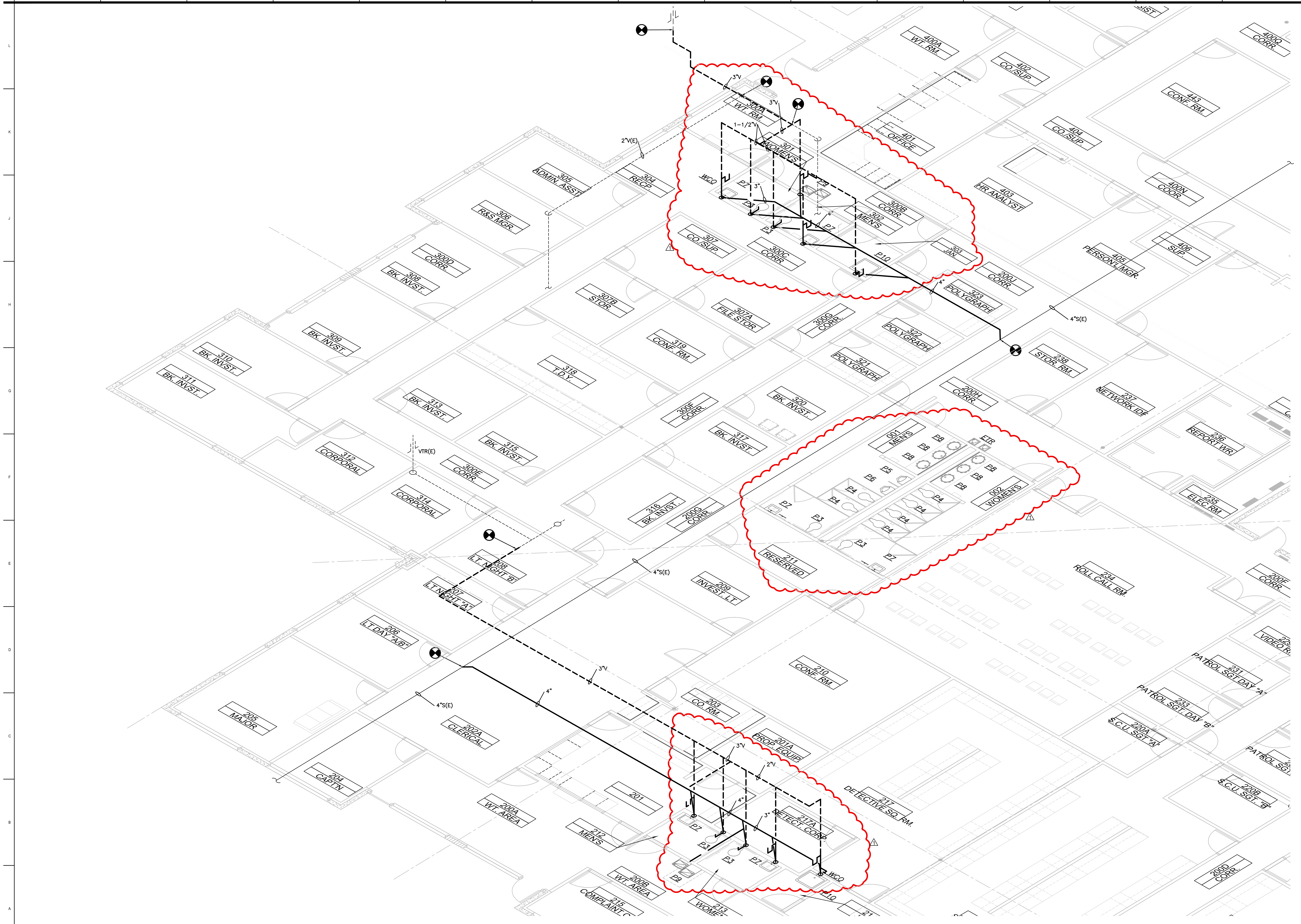

SANITARY ISOMETRIC
NOT TO SCALE

A1

1517 SEVENTH AVENUE
SUITE C
TAMPA, FLORIDA 33605.3716

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Mechanical & Electrical Consulting Engineers

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BUILDING AREA NOT IN SCOPE

HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

DISTRIBUTION	DATE
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100% CONST. DOCS	11/16/15
ADDENDUM 01	12/16/15

SANITARY ISOMETRIC

P201

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DOMESTIC WATER ISOMETRIC
NOT TO SCALE
A1

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DOMESTIC WATER ISOMETRIC

P202

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PLUMBING EQUIPMENT SCHEDULE

MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW
FD1	FLOOR DRAIN 3" FLOOR DRAIN WITH TRAP PRIMER CONNECTED TO DOMESTIC COLD WATER LINE AT LAVATORY. NICKEL BRONZE TOP. 6" ROUND. CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER.	SMITH 2005-A-6"	3"	3"	1-1/2"	–	–
HB1	HOSE BIBB LOOSE KEY CHROME PLATE SILL FAUCET WITH 3/4" FLANGED FEMALE INLET, TEE HANDLE AND 3/4" HOSE THREAD OUTLET. PROVIDE WITH VACUUM BREAKER. COORDINATE MOUNTING HEIGHT WITH GRADING PLAN AT EXTERIOR LOCATIONS AND MOUNT AT 24" AFF AT INTERIOR LOCATIONS.	CHICAGO 387 CHICAGO 293-6 WATTS 8AC	–	–	–	–	3/4"
WCO	CAST IRON TEE WALL CLEAN-OUT WITH BRONZE PLUG AND ROUND STAINLESS STEEL COVER PLATE. SIZE C.O. SAME AS LINE SIZE (2-1/2" MINIMUM). PROVIDE PVC TO NO-HUB ADAPTERS FOR PVC DWV APPLICATIONS.	SMITH 4351S-Y	2-1/2" MIN.	–	–	–	–
VTR	VENT THROUGH ROOF WITH VANDALPROOF VENT CAP SIZE AS INDICATED ON DRAWINGS.	WADE W-3680	–	–	–	–	–
TP	PRESSURE DROP ACTIVATED TRAP PRIMER INSTALLED UNDER LAVATORY OR SINK, EXPOSED FOR MAINTENANCE. ALL EXPOSED PIPING TO TRAP PRIMER SHALL HAVE A CHROME FINISH.	MIFAB M-500	–	–	–	–	–
EWH1	ELECTRIC WATER HEATER 3,000 WATTS, 208 VOLT, SINGLE PHASE, 10 GALLON ELECTRIC WATER HEATER.	RHEEM EGSP10	–	–	–	3/4"	3/4"
EWH2	ELECTRIC WATER HEATER 6,000 WATTS, 208 VOLT, THREE PHASE, 30 GALLON ELECTRIC WATER HEATER.	RHEEM EGSP30	–	–	–	3/4"	3/4"

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW
P1 WATER CLOSET	HANDICAPPED** BOWL: WHITE FLOOR MOUNTED WITH BOTTOM OUTLET, VITREOUS CHINA, SIPHON-JET, ELONGATED BOWL, 18" AFF TO RIM, BOLT CAPS WITH CAULK, LOW CONSUMPTION FLUSH (1.6 GPF). BOWL AND SEAT DIMENSIONS MUST MATCH WITHIN 1/4". SEAT: WHITE SOLID PLASTIC, HEAVY DUTY, ELONGATED, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, INTEGRAL MOLDED BUMPERS FLUSH VALVE ASSEMBLY: 11-1/2" HIGH ABOVE RIM, EXPOSED DIAPHRAGM VALVE (1.6 GALLON FLUSH), CHROME FINISH, ADA COMPLIANT NON-HOLD-OPEN HANDLE, 1" INLET, 1-1/2" OUTLET, INTEGRAL SCREWDRIVER ADJUSTABLE ANGLE STOP AND CHECK VALVE WITH COVER, VACUUM BREAKER, WALL AND SPUD FLANGES, SWEAT SOLDER ADAPTER KIT, SOLID RING PIPE SUPPORT. ROUGH-IN DIMENSION MUST ALLOW FOR FLUSH VALVE CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE, OR OFFSET FITTING MAY BE REQUIRED.	BRIGGS 7790 BENEKE 523-SS NCH SLOAN ROYAL 111-1.6-YB-YK	4"	INT.	2"	–	1"
P2 WATER CLOSET	NON-HANDICAPPED BOWL: WHITE FLOOR MOUNTED WITH BOTTOM OUTLET, VITREOUS CHINA, SIPHON-JET, ELONGATED BOWL, 14" AFF TO RIM, BOLT CAPS WITH CAULK, LOW CONSUMPTION FLUSH (1.6 GPF). BOWL AND SEAT DIMENSIONS MUST MATCH WITHIN 1/4". SEAT: WHITE SOLID PLASTIC, HEAVY DUTY, ELONGATED, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, INTEGRAL MOLDED BUMPERS FLUSH VALVE ASSEMBLY: 11-1/2" HIGH ABOVE RIM, EXPOSED DIAPHRAGM VALVE (1.6 GALLON FLUSH), CHROME FINISH, ADA COMPLIANT NON-HOLD-OPEN HANDLE, 1" INLET, 1-1/2" OUTLET, INTEGRAL SCREWDRIVER ADJUSTABLE ANGLE STOP AND CHECK VALVE WITH COVER, VACUUM BREAKER, WALL AND SPUD FLANGES, SWEAT SOLDER ADAPTER KIT, SOLID RING PIPE SUPPORT.	BRIGGS 7714 BENEKE 523-SS NCH SLOAN ROYAL 111-1.6-YB-YK	4"	INT.	2"	–	1"
P3 WATER CLOSET	HANDICAPPED** TWO-PIECE TANK TYPE WATER CLOSET 16-1/2" HIGH TO RIM, 1.6 GPF, WHITE VITREOUS CHINA, 12" ROUGH-IN, ELONGATED FRONT, ANTI-SYPHON, FLOAT VALVE IN TANK, BOLT CAPS. WHITE. SEAT: WHITE SOLID PLASTIC SEAT, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL CHECK HINGE. INTEGRAL MOLDED BUMPERS.	AMERICAN STANDARD CADET 2467.016 BENEKE 523-SS NCH	4"	INT	2"	–	1/2"
P4 WATER CLOSET	NON-HANDICAPPED TWO-PIECE TANK TYPE WATER CLOSET 16-1/2" HIGH TO RIM, 1.6 GPF, WHITE VITREOUS CHINA, 12" ROUGH-IN, ELONGATED FRONT, ANTI-SYPHON, FLOAT VALVE IN TANK, BOLT CAPS. WHITE. SEAT: WHITE SOLID PLASTIC SEAT, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL CHECK HINGE, INTEGRAL MOLDED BUMPERS.	AMERICAN STANDARD CADET 2467.016 BENEKE 523-DD NCH	4"	INT	2"	–	1/2"
P5 URINAL	HANDICAPPED ** BOWL: WHITE, WALL HUNG VITREOUS CHINA, SIPHON-JET, 14" PROJECTION, 17" TO LIP, FLOOR MOUNTED CARRIER WITH CONCEALED BACK, LOW CONSUMPTION FLUSH (1.0 GPF), 304 STAINLESS STEEL BOLTS AND WASHERS FLUSH VALVE ASSEMBLY: PROVIDE LOW HEIGHT OUTLET TUBE (SO THAT HANDLE IS NO HIGHER THAN SHOWN BELOW), EXPOSED DIAPHRAGM VALVE 1.0 GALLON FLUSH, CHROME FINISH, ADA COMPLIANT. NON-HOLD-OPEN HANDLE, 1" INLET, 1-1/4" OUTLET, INTEGRAL SCREW DRIVER ADJUSTABLE ANGLE STOP AND CHECK VALVE WITH COVER, VACUUM BREAKER, WALL AND SPUD FLANGES, SWEAT SOLDER KIT, AND WALL BRACKET. MOUNT AS FOLLOWS: APPLICATION / LIP(MIN) / HANDLE(MAX) ADULT / 17" / 44"	BRIGGS 7517 SMITH 637 SLOAN ROYAL 180-1-YB-YK	2"	INT.	1-1/2"	–	3"/4"
P6 URINAL	NON-HANDICAPPED BOWL: WHITE, WALL HUNG VITREOUS CHINA, SIPHON-JET, 14" PROJECTION, 24" TO LIP, FLOOR MOUNTED CARRIER WITH CONCEALED BACK, LOW CONSUMPTION FLUSH (1.0 GPF), 304 STAINLESS STEEL BOLTS AND WASHERS FLUSH VALVE ASSEMBLY: 10" HIGH, EXPOSED DIAPHRAGM VALVE 1.0 GALLON FLUSH, CHROME FINISH, 1" INLET, 1-1/4" OUTLET, INTEGRAL SCREW DRIVER ADJUSTABLE ANGLE STOP AND CHECK VALVE WITH COVER, VACUUM BREAKER, WALL AND SPUD FLANGES, SWEAT SOLDER KIT, AND WALL BRACKET	BRIGGS 7517 SMITH 637 SLOAN ROYAL 180-1-YB-YK	2"	INT.	1-1/2"	–	3/4"
P7 LAVATORY	HANDICAPPED ** BOWL: WHITE, WALL MOUNTED, VITREOUS CHINA, 20"x18", 4" CENTERS, PROVIDE FLOOR MOUNTED WALL CARRIER WITH CONCEALED ARMS. MOUNT AS FOLLOWS: APPLICATION / APRON(MIN) / RIM(MAX) ADULT / 29" / 34" FAUCET: SINGLE LEVER HANDLE, VANDAL RESISTANT, 0.5 GPM, NON-AERATED SPRAY, CHROME FINISH. DRAIN: PERFORATED STAINER, CHROME FINISH, 1-1/4" OUTLET WITH ADA COMPLIANT OFFSET TAILPIECE. PROVIDE PROTECTIVE INSULATION AS REQUIRED BY ADA. P-TRAP: CHROME FINISHED WITH TWO UNIONS, 1-1/4" INLET AND 1-1/2" OUTLET, CLEANOUT PLUG, WALL ESCUTCHEON SUPPLY: TWO REQUIRED, CHROME PLATED, LOOSE KEY ANGLE VALVE, WALL ESCUTCHEON, FLEXIBLE TUBE RISER, 3/8" INLET AND OUTLET CONNECTIONS. PROVIDE PROTECTIVE INSULATION AS REQUIRED BY ADA**.	AMERICAN STANDARD LUCERNE 0356.012 WATTS TCA-411 DELTA 500-DST MCGUIRE 155WC MCGUIRE 8088 MCGUIRE 2165CCLK PLUMBEREX "PRO-2000"	2"	1-1/4"	1-1/4"	1/2"	1/2"
P8 LAVATORY	BOWL: WHITE, SELF RIMMING, VITREOUS CHINA, OVAL, 4" CENTER LAVATORY WITH OVERFLOW. FAUCET: SINGLE LEVER HANDLE, VANDAL RESISTANT, 0.5 GPM, NON-AERATED SPRAY, CHROME FINISH. DRAIN: PERFORATED STRAINER, CHROME FINISH, 1-1/4" OUTLET P-TRAP: CHROME FINISHED WITH TWO UNIONS, 1-1/4" INLET AND 1-1/2" OUTLET, CLEANOUT PLUG, WALL ESCUTCHEON SUPPLY: TWO REQUIRED, CHROME PLATED, LOOSE KEY ANGLE VALVE, WALL ESCUTCHEON, FLEXIBLE TUBE RISER, 3/8" INLET AND OUTLET CONNECTIONS.	AMERICAN STANDARD AQUALYN 0476.028 DELTA 500-DST MCGUIRE 155-A2 MCGUIRE 8088 MCGUIRE 2165CCLK	2"	1-1/4"	1-1/4"	1/2"	1/2"
P9 ELECTRIC WATER COOLER	HANDICAPPED** TWO LEVEL ELECTRIC WATER COOLER WHEELCHAIR ACCESS ELECTRIC WATER COOLER NON-RECESSED, STAINLESS STEEL TOP AND SIDES, WITH FRONT AND SIDE PRESSBARS, GRID STRAINER AND SAFETY BUBBLER. 4.4 GPH @ 30°F TEMPERATURE DIFFERENCE. 4.8AMPS @ 120V/1ø/60HZ. 1-1/4" P-TRAP, CAST BRASS WITH CLEAN OUT. 1/2" STOP. MOUNT WITH BUBBLER AT 30" & 36" AFF. WITH BOTTLE FILLING STATION.	ELKAY LZSTL8WSVR*K	2"	1-1/4"	1-1/4"	–	1/2"
P10 SERVICE SINK	SERVICE SINK ONE-PIECE CONSTRUCTION, 24"x24"x10", FLOOR MOUNTED. FAUCET WITH PAIL HOOK AND HOSE END, VACUUM BREAKER, INTEGRAL STOPS, VANDAL PROOF HANDLE MOP HANGER, 24"x3", 18 GA. STAINLESS STEEL BUMPER GUARD. 12 OZ. SILICONE SEALANT. 30" HOSE AND BRACKET COMBINATION.	FIAT MSB 2424 FIAT 830-AA FIAT 889-CC FIAT 833-AA FIAT 889-CC	2"	2"	2"	1/2"	1/2"

** FIXTURE AND ALL ATTACHMENTS SHALL COMPLY WITH CHAPTER 11 OF THE FLORIDA BUILDING CODE AND THE AMERICANS WITH DISABILITIES ACT. FIXTURE TO BE MOUNTED PER THIS SCHEDULE UNLESS NOTED OTHERWISE IN PLAN. FLUSH VALVE IS TO BE ON THE SIDE TOWARDS THE ASSOCIATED LAVATORY WHERE APPLICABLE.

*** CONNECT COLD WATER SUPPLY LINE TO HOT AND COLD WATER FIXTURE CONNECTIONS. PROVIDE TWO COLD WATER INDEXES WHERE POSSIBLE.

1

PLUMBING SCHEDULES
NOT TO SCALE

A1

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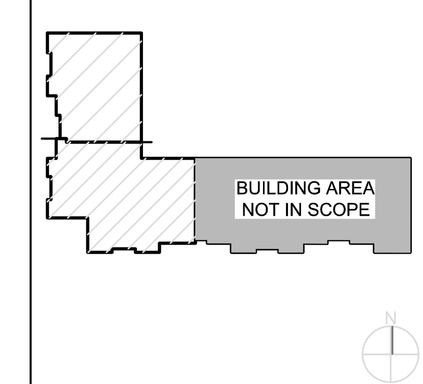

HILLSBOROUGH COUNTY
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DEPARTMENT RENOVATIONS
PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

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PLUMBING SCHEDULES

P301

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OUTDOOR AIR VENTILATION RATES (based on ASHRAE 62.1)

Description of Area	ASHRAE 62.1 Table 6–1 Classification	People Outdoor Air Rate per ASHRAE table 6–1 cfm / person	x	Occupants Each (Oz)	=	People (Rp x Pz) cfm	Area Outdoor Air Rate (Ra) cfm / Sq. Ft.	x	Total Sq. Ft. (Az)	=	Area (Ra x Az) cfm	People cfm + Area cfm = uncorrected OA cfm (Vbz)	Air Distribution Effectiveness	Required Outside Air (CFM)
RT1 through RT17														
308 BK Invest	OFFICE: Office space	5	x	0	=	0	0.06	x	159	=	9.54	10	1.0	10
309 BK Invest	OFFICE: Office space	5	x	1	=	5	0.06	x	153	=	9.18	14	1.0	14
310 BK Invest	OFFICE: Office space	5	x	1	=	5	0.06	x	145	=	8.7	14	1.0	14
311 BK Invest	OFFICE: Office space	5	x	1	=	5	0.06	x	181	=	10.86	16	1.0	16
300D Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	279	=	0	–	1.0	–
305 Admin. Asst.	OFFICE: Office space	5	x	1	=	5	0.06	x	136	=	8.16	13	1.0	13
306 R&S Mgr	OFFICE: Office space	5	x	1	=	5	0.06	x	152	=	9.12	14	1.0	14
207 Lt Night A	OFFICE: Office space	5	x	1	=	5	0.06	x	157	=	9.42	14	1.0	14
208 Lt Night B	OFFICE: Office space	5	x	1	=	5	0.06	x	153	=	9.18	14	1.0	14
205 Lt Day A/B	OFFICE: Office space	5	x	1	=	5	0.06	x	135	=	8.1	13	1.0	13
205 Major	OFFICE: Office space	5	x	1	=	5	0.06	x	260	=	15.6	21	1.0	21
204 Captain	OFFICE: Office space	5	x	1	=	5	0.06	x	135	=	8.1	13	1.0	13
312 Corproal	OFFICE: Office space	5	x	1	=	5	0.06	x	152	=	9.12	14	1.0	14
314 Corproal		5	x	1	=	5	0.06	x	140	=	8.4	13	1.0	13
300E Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	179	=	0	–	1.0	–
213 Women's	–	0	x	0	=	0	0.00	x	40	=	0	–	1.0	–
212 Men's	–	0	x	0	=	0	0.00	x	37	=	0	–	1.0	–
303 Jan.	–	0	x	0	=	0	0.00	x	49	=	0	–	1.0	–
404 Co./Sup	OFFICE: Office space	5	x	0	=	0	0.06	x	78	=	4.68	5	1.0	5
307A File Stor.	OFFICE: Office space	5	x	1	=	5	0.06	x	137	=	8.22	13	1.0	13
307B Stor.	OFFICE: Office space	5	x	0	=	0	0.06	x	115	=	6.9	7	1.0	7
319 Conf. Rm.	OFFICE: Office space	5	x	4	=	20	0.06	x	136	=	8.16	28	1.0	28
318 T.D.Y	OFFICE: Office space	5	x	6	=	30	0.06	x	245	=	14.7	45	1.0	45
313 BK Invest	OFFICE: Office space	5	x	1	=	5	0.06	x	128	=	7.68	13	1.0	13
315 BK Invest	OFFICE: Office space	5	x	1	=	5	0.06	x	127	=	7.62	13	1.0	13
316 BK Invest	OFFICE: Office space	5	x	1	=	5	0.06	x	112	=	6.72	12	1.0	12
317 BK Invest	OFFICE: Office space	5	x	1	=	5	0.06	x	115	=	6.9	12	1.0	12
300F Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	188	=	0	–	1.0	–
320 BK Invest	OFFICE: Office space	5	x	1	=	5	0.06	x	115	=	6.9	12	1.0	12
322 Polygraph	OFFICE: Office space	5	x	0	=	0	0.06	x	67	=	4.02	4	1.0	4
321 Polygraph	OFFICE: Office space	5	x	0	=	0	0.06	x	67	=	4.02	4	1.0	4
323 Polygraph	OFFICE: Office space	5	x	0	=	0	0.06	x	70	=	4.2	4	1.0	4
300G Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	99	=	0	–	1.0	–
200H Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	395	=	0	–	1.0	–
001 Men's	–	0	x	0	=	0	0.00	x	196	=	0	–	1.0	–
002 Women's	–	0	x	0	=	0	0.00	x	197	=	0	–	1.0	–
211 Reserved	OFFICE: Office space	5	x	1	=	5	0.06	x	139	=	8.34	13	1.0	13
238 Stor. Rm.	OFFICE: Office space	5	x	0	=	0	0.06	x	107	=	6.42	6	1.0	6
300B Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	147	=	0	–	1.0	–
200J Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	174	=	0	–	1.0	–
300C Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	111	=	0	–	1.0	–
216 Complaint Off	OFFICE: Office space	5	x	1	=	5	0.06	x	115	=	6.9	12	1.0	12
215 Complaint Off.	OFFICE: Office space	5	x	1	=	5	0.06	x	122	=	7.32	12	1.0	12
216 Trf. Corp	OFFICE: Office space	5	x	1	=	5	0.06	x	136	=	8.16	13	1.0	13
215 Detect's Sgt	OFFICE: Office space	5	x	1	=	5	0.06	x	135	=	8.1	13	1.0	13
200A Wt. Area – South	OFFICE: Office space	5	x	10	=	50	0.06	x	348	=	20.88	71	1.0	71
200B Wt. Area – South 2	OFFICE: Office space	5	x	3	=	15	0.06	x	220	=	13.2	28	1.0	28
221 Traffic	OFFICE: Office space	5	x	3	=	15	0.06	x	213	=	12.78	28	1.0	28
200B Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	149	=	0	–	1.0	–
202A Clerical	OFFICE: Office space	5	x	6	=	30	0.06	x	732	=	43.92	74	1.0	74
203 Co Room	OFFICE: Office space	0	x	0	=	0	0.00	x	118	=	0	–	1.0	–
201A Prop Equip	OFFICE: Office space	0	x	0	=	0	0.00	x	99	=	0	–	1.0	–
201 ?	OFFICE: Office space	5	x	2	=	10	0.06	x	261	=	15.66	26	1.0	26
302 Men's	–	0	x	0	=	0	0.00	x	37	=	0	–	1.0	–
301 Women's	–	0	x	0	=	0	0.00	x	40	=	0	–	1.0	–
214 Jan.	–	0	x	0	=	0	0.00	x	41	=	0	–	1.0	–
210 Conf Rm S	OFFICE: Office space	5	x	12	=	60	0.06	x	407	=	24.42	84	1.0	84
217A Detect. Corp	OFFICE: Office space	5	x	1	=	5	0.06	x	109	=	6.54	12	1.0	12
209 Invest LT	OFFICE: Office space	5	x	1	=	5	0.06	x	152	=	9.12	14	1.0	14
220 St. Crimes Ut	OFFICE: Office space	5	x	14	=	70	0.06	x	767	=	46.02	116	1.0	116
200D Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	385	=	0	–	1.0	–
217 Detective Sq. Rm	OFFICE: Office space	5	x	12	=	60	0.06	x	681	=	40.86	101	1.0	101
222 Crime Anl.	OFFICE: Office space	5	x	1	=	5	0.06	x	123	=	7.38	12	1.0	12
223 Detectives	OFFICE: Office space	5	x	3	=	15	0.06	x	222	=	13.32	28	1.0	28
224 D.U.I Sgt	OFFICE: Office space	5	x	1	=	5	0.06	x	122	=	7.32	12	1.0	12
225 Intv. Rm	OFFICE: Office space	5	x	1	=	5	0.06	x	102	=	6.12	11	1.0	11
226 Secure Intv Rm	OFFICE: Office space	5	x	1	=	5	0.06	x	102	=	6.12	11	1.0	11
227 Secure Intv Rm	OFFICE: Office space	5	x	1	=	5	0.06	x	108	=	6.48	11	1.0	11
228 Copy	OFFICE: Office space	5	x	0	=	0	0.06	x	86	=	5.16	5	1.0	5
230 Patrol Sgt Ngt A	OFFICE: Office space	5	x	1	=	5	0.06	x	86	=	5.16	10	1.0	10
232 Patrol Sgt Ngt B	OFFICE: Office space	5	x	1	=	5	0.06	x	86	=	5.16	10	1.0	10

OUTDOOR AIR VENTILATION RATES (based on ASHRAE 62.1)

Description of Area	ASHRAE 62.1 Table 6–1 Classification	People Outdoor Air Rate per ASHRAE table 6–1 cfm / person	x	Occupants Each (Oz)	=	People (Rp x Pz) cfm	Area Outdoor Air Rate (Ra) cfm / Sq. Ft.	x	Total Sq. Ft. (Az)	=	Area (Ra x Az) cfm	People cfm + Area cfm = uncorrected OA cfm (Vbz)	Air Distribution Effectiveness	Required Outside Air (CFM)
RT1 through RT17														
200E Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	115	=	0	–	1.0	–
220A SCU Sgt A	OFFICE: Office space	5	x	1	=	5	0.06	x	87	=	5.22	10	1.0	10
233 Patrol Sgt Day B	OFFICE: Office space	5	x	1	=	5	0.06	x	77	=	4.62	10	1.0	10
231 Patrol Sgt Day A	OFFICE: Office space	5	x	1	=	5	0.06	x	79	=	4.74	10	1.0	10
229 Video Rm	OFFICE: Office space	5	x	1	=	5	0.06	x	78	=	4.68	10	1.0	10
220B SCU Sgt B	OFFICE: Office space	5	x	1	=	5	0.06	x	95	=	5.7	11	1.0	11
200F Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	410	=	0	–	1.0	–
234 Roll Call Room	OFFICE: Office space	5	x	52	=	260	0.06	x	1090	=	65.4	325	1.0	325
412 Men's	–	0	x	0	=	0	0.00	x	96	=	0	–	1.0	–
409 Women's	–	0	x	0	=	0	0.00	x	233	=	0	–	1.0	–
408 HR Director	OFFICE: Office space	5	x	1	=	5	0.06	x	333	=	19.98	25	1.0	25
400M Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	747	=	0	–	1.0	–
404 Co./Sup	OFFICE: Office space	5	x	0	=	0	0.06	x	78	=	4.68	5	1.0	5
414 Sr. Sec.	OFFICE: Office space	5	x	1	=	5	0.06	x	177	=	10.62	16	1.0	16
418 Vacant	OFFICE: Office space	5	x	0	=	0	0.06	x	142	=	8.52	9	1.0	9
421 Elec.	–	0	x	0	=	0	0.06	x	96	=	5.76	6	1.0	6
420 Electrical	–	0	x	0	=	0	0.06	x	94	=	5.64	6	1.0	6
401 Office	OFFICE: Office space	5	x	3	=	15	0.06	x	205	=	12.3	27	1.0	27
402 Co./Sup	OFFICE: Office space	5	x	0	=	0	0.06	x	92	=	5.52	6	1.0	6
403 HR Analyst	OFFICE: Office space	5	x	1	=	5	0.06	x	258	=	15.48	20	1.0	20
404 Co./Sup	OFFICE: Office space	5	x	0	=	0	0.06	x	78	=	4.68	5	1.0	5
405 Person'l Mgr	OFFICE: Office space	5	x	1	=	5	0.06	x	200	=	12	17	1.0	17
406 Sup	OFFICE: Office space	5	x	0	=	0	0.06	x	78	=	4.68	5	1.0	5
400N Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	222	=	0	–	1.0	–
441 HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	116	=	6.96	12	1.0	12
442 HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	116	=	6.96	12	1.0	12
443 Conf Room	OFFICE: Office space	5	x	10	=	50	0.06	x	213	=	12.78	63	1.0	63
400Q Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	417	=	0	–	1.0	–
444 HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	116	=	6.96	12	1.0	12
436 HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	116	=	6.96	12	1.0	12
445 ID/Photos	OFFICE: Office space	5	x	1	=	5	0.06	x	150	=	9	14	1.0	14
445A Chg. Rm.	OFFICE: Office space	0	x	0	=	0	0.00	x	24	=	0	–	1.0	–
445B Chg. Rm.	OFFICE: Office space	0	x	0	=	0	0.00	x	24	=	0	–	1.0	–
446 HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	116	=	6.96	12	1.0	12
415A Training Rm North	OFFICE: Office space	7.5	x	24	=	180	0.06	x	575	=	34.5	215	1.0	215
415B Training Rm South	OFFICE: Office space	7.5	x	24	=	180	0.06	x	601	=	36.06	216	1.0	216
435 HR Testing – East	OFFICE: Office space	10	x	18	=	180	0.12	x	522.5	=	63	243	1.0	243
304 Recp	OFFICE: Office space	5	x	1	=	5	0.06	x	113	=	7	12	1.0	12
400A Wt. Rm/Recp. West	OFFICE: Office space	5	x	10	=	50	0.06	x	405	=	24	74	1.0	74
400B Corridor E–W	GENERAL: Corridor	0	x	0	=	0	0.00	x	104	=	–	–	1.0	–
400B Corridor N–S	GENERAL: Corridor	0	x	0	=	0	0.00	x	127	=	–	–	1.0	–
400C Corr/App Stat.Co	GENERAL: Corridor	0	x	1	=	0	0.06	x	306	=	18	18	1.0	18
437 Men's	–	0	x	0	=	0	0.00	x	67	=	–	–	1.0	–
437 Women's	–	0	x	0	=	0	0.00	x	67	=	–	–	1.0	–
400D Test Wt Area	OFFICE: Office space	5	x	10	=	50	0.06	x	228	=	14	64	1.0	64
420 Chaplin	OFFICE: Office space	5	x	1	=	5	0.06	x	142	=	9	14	1.0	14
423 Ana.l Pos. Ctl.	OFFICE: Office space	5	x	1	=	5	0.06	x	130	=	8	13	1.0	13
424 HR Res. Mgr.	OFFICE: Office space	5	x	1	=	5	0.06	x	127	=	8	13	1.0	13
425 Emp. Mgr.	OFFICE: Office space	5	x	1	=	5	0.06	x	127	=	8	13	1.0	13
400F Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	287	=	–	–	1.0	–
416 Vacant	OFFICE: Office space	5	x	1	=	5	0.06	x	129	=	8	13	1.0	13
417 Vacant	OFFICE: Office space	5	x	1	=	5	0.06	x	125	=	8	13	1.0	13
419 Vacant	OFFICE: Office space	5	x	1	=	5	0.06	x	125	=	8	13	1.0	13
427 HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	122	=	7	12	1.0	12
428 Sr. HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	122	=	7	12	1.0	12
429 Sr. HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	126	=	8	13	1.0	13
400H Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	235	=	–	–	1.0	–
426 Supplies	OFFICE: Office space	5	x	0	=	0	0.06	x	63	=	4	4	1.0	4
431 Sr. HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	118	=	7	12	1.0	12
432 Sr. HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	117	=	7	12	1.0	12
443 Sr. HR Assist	OFFICE: Office space	5	x	1	=	5	0.06	x	120	=	7	12	1.0	12
400E Corridor	GENERAL: Corridor	0	x	0	=	0	0.00	x	175	=	–	–	1.0	–
435 HR Testing – West	OFFICE: Office space	10	x	18	=	180	0.12	x	522.5	=	63	243	1.0	243
407 Breakroom	OFFICE: Office space	5	x	10	=	50	0.12	x	637	=	76	126	1.0	126
236 Report Wr	OFFICE: Office space	5	x	5	=	25	0.06	x	187	=	11	36	1.0	36
235 Electrical	–	0	x	0	=	0	0.00	x	93	=	–	–	1.0	–
												Required Outside Air:		3,160
												Outside Air Provided:		3,350

DESIGN CRITERIA

Location:	TAMPA
Latitude:	28.0°
Longitude:	82.0°
Elevation:	19 ft.
Barometric Pressure:	29.9 in. Hg
DESIGN TEMPERATURES:	
Ambient Summer Design Dry Bulb:	91°F
Ambient Summer Design Wet Bulb:	80°F
Ambient Winter Design Dry Bulb:	39°F
Space Setpoint – cooling	76°F
Space Setpoint – heating	70°F
Space Setpoint – humidity	50% RH

DUCTWORK MATERIALS

1. ALL TRANSFER DUCT SHALL BE UNINSULATED LONGITUDINAL SEAM SHEET METAL DUCTWORK.
2. THE USE OF SNAP LOCK DUCT IS NOT PERMITTED.

AIR HANDLER SEQUENCE OF OPERATION

RTU CONTROLS:
FOR EACH ROOFTOP UNIT SERVING THIS SPACE, PROVIDE NEW 5/2 DAY PROGRAMMABLE AUTO–CHANGEROVER THERMOSTAT EQUIVALENT TO VENSTAR T6900 COLORTOUCH, AND REMOTE TEMPERATURE SENSOR #ACC–TSEN. THE THERMOSTAT WILL BE USER ADJUSTED TO DESIRED COOLING OR HEATING SET POINT. IN COOLING MODE, THE SYSTEM WILL CONTINUE TO RUN UNTIL SPACE TEMPERATURE IS SATISFIED. WHEN THE SPACE TEMPERATURE IS SATISFIED, THE AHU FAN WILL CONTINUE TO RUN AND COMPRESSOR WILL SHUT DOWN. THE THERMOSTAT SHALL BE SET FOR 2°F DIFFERENTIAL. IF THE SPACE TEMPERATURE REACHES SET PONT +2°F, THE COMPRESSOR WILL START.

IN HEATING MODE (WINTER HEATING ONLY) THE COMPRESSOR WILL STOP AND ELECTRIC HEATING WILL OPERATE TO MAINTAIN SPACE SET PONT.

NO REHEATING IS ALLOWED.

GENERAL MECHANICAL NOTES

1. ALL MECHANICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   A. FLORIDA BUILDING CODE (FBC) 5TH EDITION (2014): THIS CODE INCLUDES THE 2014 FBC BUILDING, MECHANICAL, PLUMBING, FUEL GAS AND ENERGY CONSERVATION VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC, BUILDING CHAPTER 35; FBC, PLUMBING CHAPTER 14; FBC, MECHANICAL CHAPTER 15; FBC, FUEL GAS CHAPTER 8, FBC, ENERGY CONSERVATION CHAPTER 5.) (EFFECTIVE JUNE 30, 2015)
   B. 5TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2014)
   C. 2011 NATIONAL ELECTRIC CODE
2. VERIFY, BY VISITING THE SITE, THE LOCATION OF UTILITIES IN ALL AREAS BEFORE COMMENCING WORK.
3. COORDINATE ALL WORK WITH OTHER AFFECTED TRADES. THE MECHANICAL CONTRACTOR SHALL FORWARD TO THE ELECTRICAL CONTRACTOR AN APPROVED COPY OF ALL EQUIPMENT SHOP DRAWINGS FOR ELECTRICAL POWER/CONTROL INTERFACE.
4. COVER ALL ELECTRICAL AND MECHANICAL EQUIPMENT TO PROTECT THEM FROM DUST AND DAMAGE DURING CONSTRUCTION. RESTORE ALL FACTORY PAINTED SURFACES TO NEW CONDITION, REPAIR ALL SCRATCHES, DENTS AND ABRASIONS. THOROUGHLY CLEAN ALL SURFACES OF DUST DEBRIS, AND FOREIGN MATTER. THE EQUIPMENT, WHEN TURNED OVER TO THE OWNER, SHALL BE CLEAN AND FREE OF DEFECTS.
5. PRIOR TO SUBSTANTIAL COMPLETION, A COMPLETE CERTIFIED TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS.
6. THE CONDENSATE DRAIN LINE SHALL HAVE A TRAP AT THE AIR HANDLING UNIT. TRAP SHALL BE AS DETAILED, FULL SIZE OF UNIT CONNECTION, AND SHALL HAVE A WATER SEAL EQUAL TO 2" + THE UNITS' STATIC PRESSURE. PROVIDE CLEAN OUTS IN ALL CHANGES OF DIRECTION. MINIMUM PITCH 1/8" PER FOOT. CONDENSATE DRAIN LINE SHALL RUN TO CONCRETE SPLASH BLOCK. INSULATE ALL INTERIOR CONDENSATE PIPING WITH FLEXIBLE UNICELLULAR FOAM (ARMAFLEX OR EQUIVALENT) INSULATION TO PREVENT SWEATING. CONDENSATE DRAIN LINES AND TRAPS IN MECHANICAL ROOMS SHALL BE PVC AND SHALL BE RIGIDLY SUPPORTED.
7. FLEXIBLE UNICELLULAR FOAM (ARMAFLEX OR EQUIVALENT) INSULATION SHALL BE 25/50 FLAME SPREAD/SMOKE DEVELOPED. REFRIGERANT PIPING SHALL BE INSULATED WITH FLEXIBLE UNICELLULAR FOAM INSULATION COMPLYING WITH ASTM C534, TYPE 1. PROVIDE ALUMINUM CLADDING FOR ALL INSULATION EXPOSED TO THE SUN AND WEATHER.
8. REFRIGERANT LINES SHALL BE SIZED AND REFRIGERANT SPECIALTIES SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR STATIC LIFTS AND TOTAL LENGTHS REQUIRED. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
9. IN GENERAL, PLANS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.
10. ALL DUCTWORK SHALL MEET THE STANDARDS SET FORTH BY THE LATEST EDITION OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE FABRICATED FROM SHEET METAL. ALL ROUND DUCT SHALL BE SHEET METAL UNLESS OTHERWISE NOTED. PROVIDE TURNING VANES IN ALL 90° DUCT ELBOWS.
11. PROVIDE INSULATION FOR NEW DUCTWORK TO AND FROM THE UNIT WITH GLASS FIBER DUCT WRAP INSULATION. FACTORY APPLIED FOIL FACED VAPOR BARRIER, ASTM 518 AND ASTM E84 CERTIFIED TESTING PROCEDURES. JOINT TAPE SHALL BE MINIMUM 3" WIDE FOIL REINFORCED KRAFT TYPE. INSULATION THICKNESS SHALL BE A MINIMUM 2" THICK.
12. SUPPLY AIR DUCT FULL SIZE OF UNIT DISCHARGE. TRANSITION TO SIZE INDICATED ON DRAWINGS. RETURN AIR DUCT IS TO TRANSITION FROM SIZE INDICATED ON DRAWINGS TO FULL SIZE OF UNIT INLET.
13. ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS (FREE AREA).
14. VERIFY ALL CLEARANCES AND DIMENSIONS BEFORE FABRICATION OF DUCTWORK AND PROVIDE ADDITIONAL OFFSETS TO MEET FIELD CONDITIONS. ADJUST LOCATIONS OF ALL EQUIPMENT AND DUCTWORK, AS NECESSARY TO AVOID INTERFERENCES WITH STRUCTURAL AND OTHER BUILDING COMPONENTS.
15. UNLESS NOTED OTHERWISE, INSTALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO UNDERSIDE OF STRUCTURE. COORDINATE DUCT ELEVATION WITH RAIN LEADERS, WATER PIPING, DRAINS, AND MAJOR ELECTRICAL CONDUITS AND LIGHTS. PROVIDE OFFSETS AND TRANSITIONS AS REQUIRED TO KEEP DUCTWORK TIGHT TO THE STRUCTURE AND MAINTAIN CEILING ELEVATIONS AS INDICATED IN THE ARCHITECTURAL DRAWINGS. DUCTWORK MAY BE FLATTENED TO A 4:1 HEIGHT RATIO MAINTAINING THE DUCT FREE AREA SIZE AS INDICATED IN THE DRAWINGS. DUCTWORK SHAPE MAY HAVE TO BE ADJUSTED (I.E. ROUND TO RECTANGULAR) AS SPACE DICTATES. MULTIPLE SMALLER RUNS MAY BE REQUIRED IN PLACE OF A SINGLE RUN. DUCT RECONFIGURATION SHALL BE INDICATED IN THE DUCT FABRICATION DRAWINGS AND FIELD VERIFIED PRIOR TO SUBMITTAL FOR ENGINEER'S REVIEW.
16. DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER ITEMS OF THE AIR HANDLING SYSTEM SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.
17. ALL SUPPLY DUCTWORK 1" W.G. ALL SHEET METAL DUCTWORK SHALL HAVE A CLASS C SEAL.
18. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO INSTALL MECHANICAL EQUIPMENT AND MATERIALS.
19. REPLACE ANY CEILING TILES OR GRID, DAMAGED DURING CONSTRUCTION IN ANY AREAS WHERE THE CEILING IS REMOVED TO EXECUTE WORK. REPLACEMENT TILES AND TEES SHALL MATCH EXISTING.
20. IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE AIR HANDLERS MAY ONLY BE STARTED IF THE FOLLOWING CONDITIONS ARE MET:
    A. ALL OPENINGS FROM THE CONDITIONED SPACE DIRECTLY TO THE OUTSIDE MUST BE CLOSED. TEMPORARY CLOSURE METHODS MAY BE USED SUCH AS THE UTILIZATION OF PLASTIC SHEETS AND DUCT TAPE.
    B. MOP CLEAN ALL CONSTRUCTION DEBRIS AND DUST FROM THE FLOOR. PROVIDE DOOR MATS AT ALL ENTRANCES INTO THE BUILDING.
    C. TEMPORARY BARRIERS ARE TO BE PROVIDED AROUND AREAS THAT WILL HAVE ANY CONCRETE GRINDING OPERATION, DRYWALL WORK, PAINTING OR ANY OTHER PARTICULATE PRODUCING PROCESSES. ALL AIR DISTRIBUTION DEVICES IN THESE AREAS OF CONTAINMENT ARE TO BE COVERED AND SEALED AIR TIGHT.
    D. ALL RETURN GRILLES SHALL HAVE MERV–8 FILTER MEDIA TAPED OVER THEM PRIOR TO AIR HANDLER STARTUP AND SHALL REMAIN IN PLACE UNTIL ALL DUST PRODUCING OPERATIONS HAVE BEEN COMPLETED AND PRIOR TO TEST AND BALANCE. CLEAN ALL TAPE RESIDUE FROM THE GRILLES.
    E. ONCE THE UNIT IS STARTED, FILTERS IN THE AIR HANDLERS ARE TO BE SHAKEN CLEAN DAILY.
24. OMIT INSULATION ON TRANSFER DUCT SYSTEM. TRANSFER DUCT SYSTEMS ARE CONNECTED TO "XG#" TYPE AIR DISTRIBUTION DEVICES.
25. SUBMIT DUCT FABRICATION DRAWINGS PER SPECIFICATIONS PRIOR TO ANY FRAMING WORK. ALL ELECTRICAL PANEL LOCATIONS SHALL BE FIELD VERIFIED, COORDINATED, AND INDICATED IN THE SUBMITTAL.
26. ALL DUCT MOUNTED MANUAL BALANCING DAMPERS SHALL HAVE A TWO FOOT LONG, YELLOW STRIP OF MATERIAL ATTACHED TO THE DAMPER HANDLE FOR EASY VISUAL IDENTIFICATION.
27. ALL FIRE STOPPING SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S U.L. DETAILS OF THE PRODUCTS USED SPECIFICALLY ON THIS PROJECT. APPLICABLE U.L. DETAILS SHALL BE SUBMITTED FOR THE ENGINEER'S REVIEW AND A COPY SHALL BE AVAILABLE ON SITE FOR USE BY THE AUTHORITY HAVING JURISDICTION.
28. CONTROLS CONDUITS SHALL CONFORM TO ALL REQUIREMENTS FOR DIVISION 16 CONDUITS. REFER TO DIVISION 26 SPECIFICATIONS AND DRAWINGS.
29. CONCRETE SLAB/PAD IS TO HAVE NO CONTACT WITH ANY METAL PORTION OF THE EQUIPMENT OR THAT EQUIPMENT'S SUPPORT. PROVIDE 1/4" THICK RED, OR BLACK, RUBBER PAD UNDER THE ENTIRE METAL SURFACE INTENDED TO REST ON THE CONCRETE PAD.
30. PROVIDE DIELECTRIC UNIONS/PROTECTION AT ALL POINTS OF CONNECTION BETWEEN DISSIMILAR METALS; PIPE, PIPE HANGERS, CONNECTIONS TO STRUCTURAL STEEL, ETC.
31. ROUND FLEX DUCT SHALL BE A MAXIMUM LENGTH OF 6 FEET. ALL RUNS OF FLEX DUCT ARE TO BE SUPPORTED WITH THE APPROPRIATE HANGERS. FLEX DUCT SHALL NOT SAG OR BE CRIMPED.
32. AIR CONDITIONING FILTERS ARE TO BE PROVIDED AND CHANGED BY THE CONTRACTOR UP TO AND ON THE DATE OF SUBSTANTIAL COMPLETION ACCEPTANCE. FROM THAT TIME ON, THE OWNER WILL RETAIN ALL RESPONSIBILITY FOR FILTER MAINTENANCE. FILTERS SHALL BE CLEAN AT THE TIME OF SUBSTANTIAL COMPLETION.
33. LOCATE ALL AIR DISTRIBUTION DEVICES AND CEILING MOUNTED EQUIPMENT IN CONFORMANCE WITH THE REFLECTED CEILING PLANS INCLUDED IN THE ARCHITECTURAL DRAWINGS FOR THIS PROJECT. COORDINATE DUCTWORK TO ALLOW FOR LOCATIONS OF THESE ITEMS. PROVIDE REVISED DUCTWORK LAYOUT WHERE REQUIRED. ANY MECHANICAL ITEMS EXPOSED TO VIEW SHALL BE PLACED PER THE ARCHITECTURAL DRAWINGS.
34. ALL EXTERIOR FASTENERS, ANCHORS, SUPPORTS, AND MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.

HVAC LEGEND

UP DOWN — SUPPLY AIR DUCT (UP & DOWN)
UP DOWN — RETURN AIR DUCT (UP & DOWN)
UP DOWN — EXHAUST AIR DUCT (UP & DOWN)
VD — VOLUME DAMPER
1
T — WALL MTD THERMOSTAT OR TEMPERATURE SENSOR
SD — DUCT MOUNTED SMOKE DETECTOR
1
VD — BELLMOUTH "SPIN–IN" FITTING WITH LOCKING QUADRANT DAMPER
FLEX DUCT
CD1 / 375 / 12x12/8"ø — AIR DEVICE MARK. TOP LINE INDICATES TYPE, REFER TO SCHEDULE. SECOND LINE INDICATES AIR QUANTITY CFM. THIRD LINE INDICATES NECK SIZE AND DUCT CONNECTION SIZE.
UC — UNDERCUT DOOR BY 3/4" AFF UNLESS OTHERWISE INDICATED COORDINATE WITH ARCHITECTURAL DRAWINGS.
SD — DUCT MOUNTED SMOKE DETECTOR
(E) — EXISTING – FIELD VERIFY EXACT SIZE AND LOCATION
(D) OR –X–X– — EXISTING TO BE DEMOLISHED
CONNECT NEW TO EXISTING

BUILDING AIR BALANCE

OUTSIDE AIR INTO BUILDING		EXHAUST AIR OUT OF BUILDING		NET CFM
SOURCE	CFM	SOURCE	CFM	
RT1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17	3,350	EF1, 2, 3, 4 & 5	1,435	
–	–	–	–	
	3,350		1,435	1,915

ZONE PRESSURIZATION ((3,350 OA – 1,435 EXH) / 33,400 SA) x 100 = 5.7%

HVAC DRAWING INDEX

1

HVAC GENERAL NOTES, VENTILATIONTABLE, AND LEGEND
NOT TO SCALE
A1

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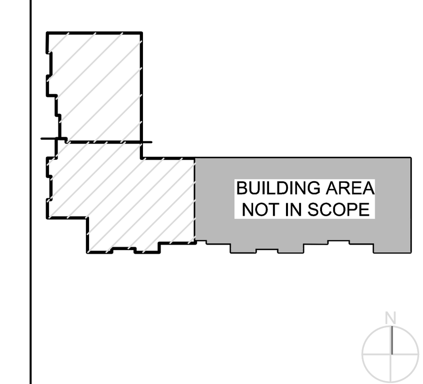
HARRY W. PORTELLOS, P.E. 61597
TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE 2014 FLORIDA BUILDING CODE



HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

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100% CONST. DOCS	11/16/15
1 ADDENDUM 01	12/16/15

HVAC GENERAL NOTES, VENTILATION TABLE, AND LEGEND

M001

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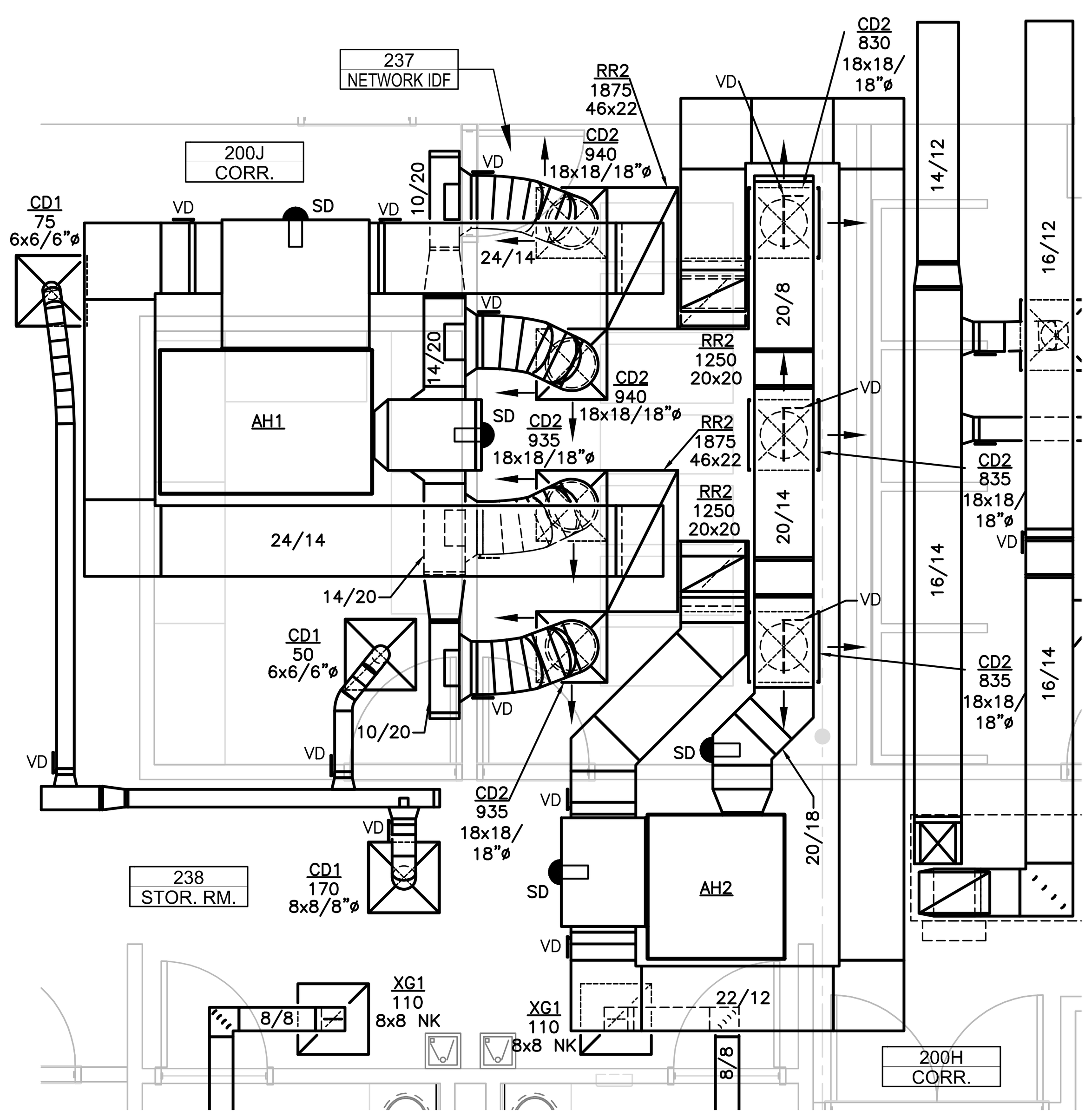
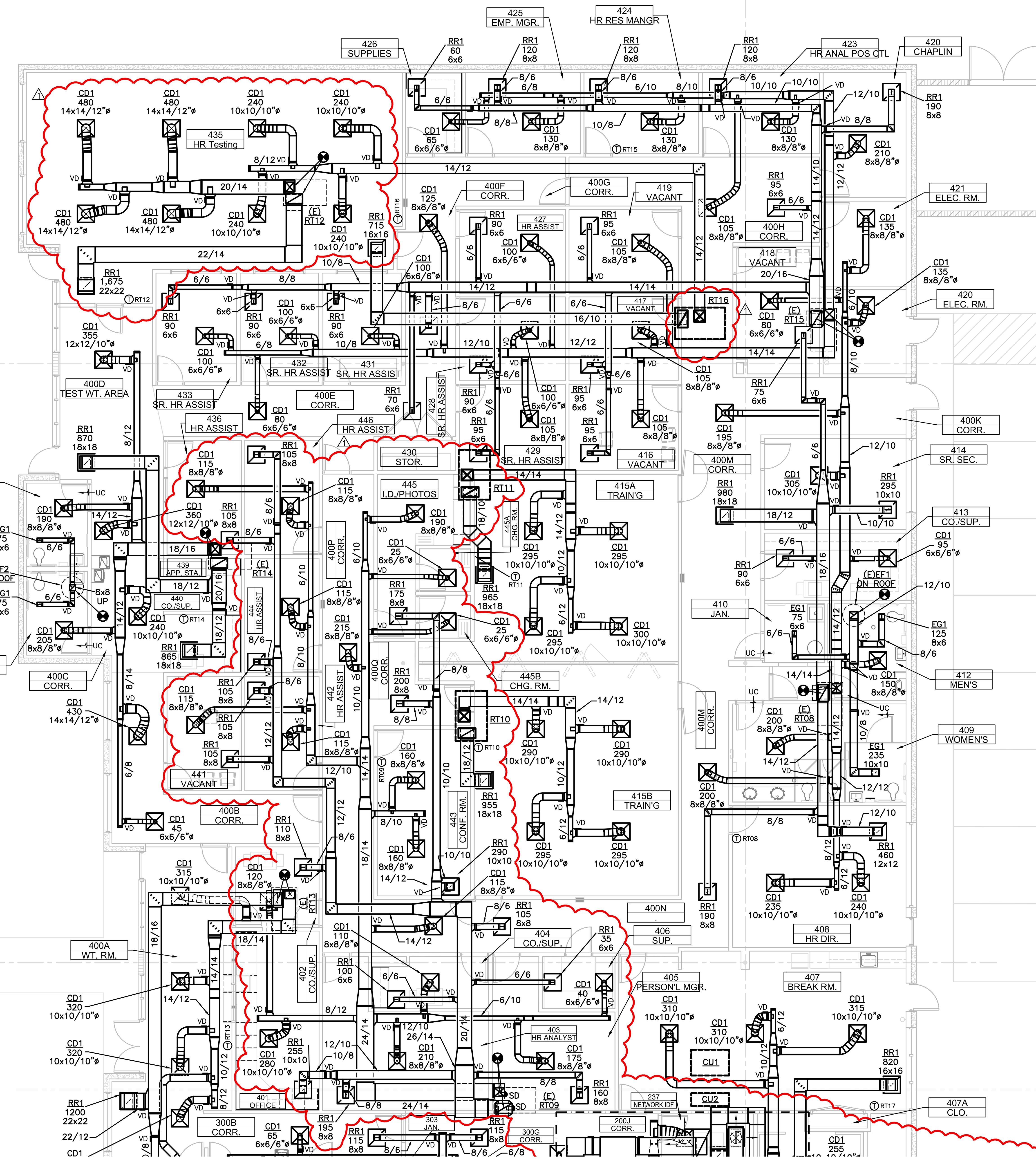
Plotted by: Brandon Dec 17, 2015 – 3:32pm



ENLARGED NETWORK IDF ROOM HVAC PLAN

1/4" = 1'-0"

D10



HVAC PLAN - NORTH

1/8" = 1'-0"

A1

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TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE 2014 FLORIDA BUILDING CODE

BUILDING AREA NOT IN SCOPE

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

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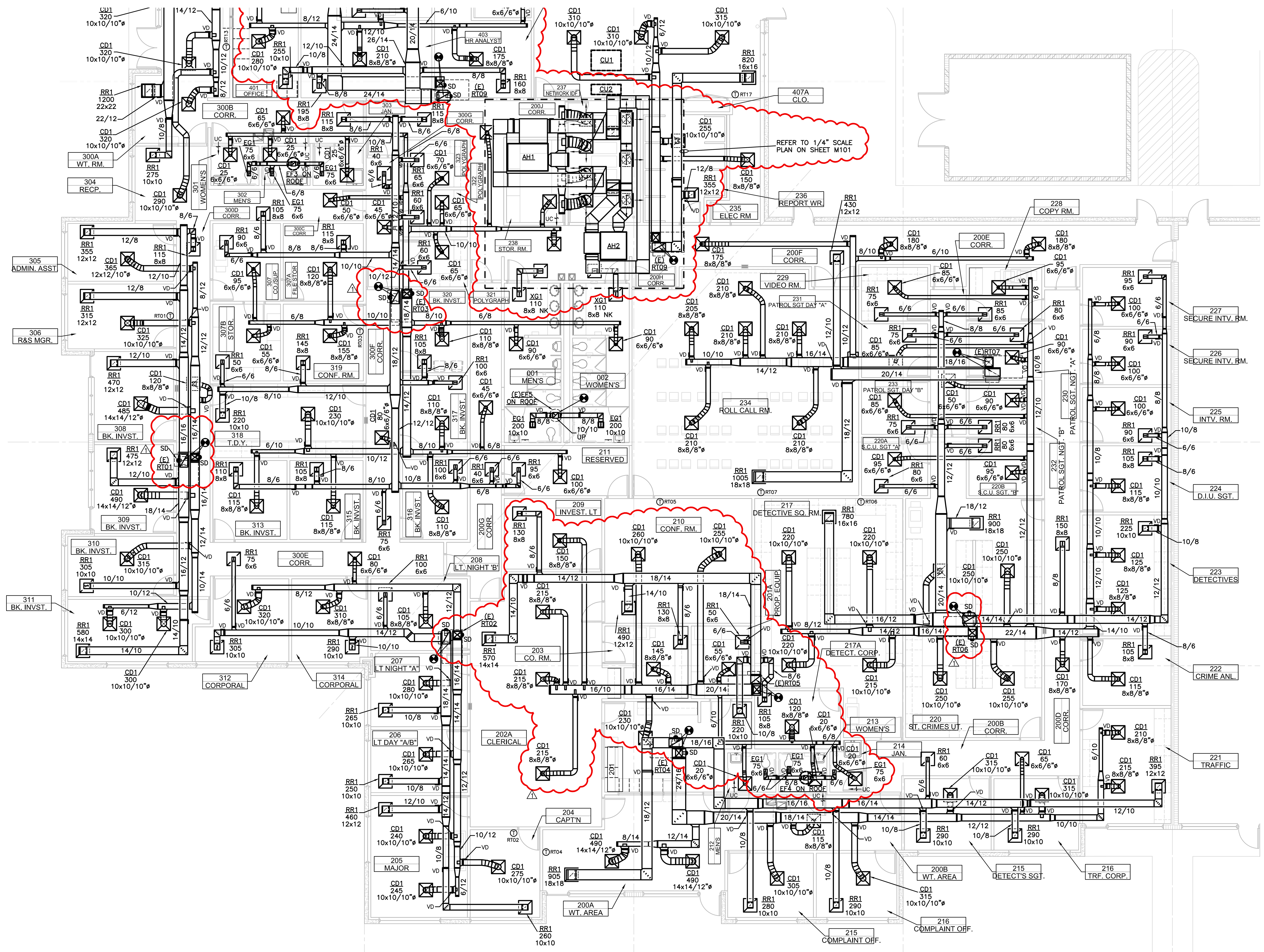
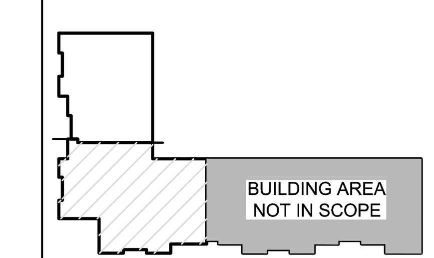
ADDENDUM 01	12/16/15

HVAC PLAN - NORTH AND ENLARGED NETWORK IDF ROOM HVAC PLAN

M101

Drawing File: I:\15xxx\15042.00\15042m101.dwg M101
Plotted by: Brandon Dec 17, 2015 - 3:32pm





HVAC PLAN - SOUTH
1/8" = 1'-0"
A1

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TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE 2014 FLORIDA BUILDING CODE

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

DISTRIBUTION	DATE
CD CHECK SET	10/15/15
100% CONST. DOCS	11/16/15
ADDENDUM 01	12/16/15

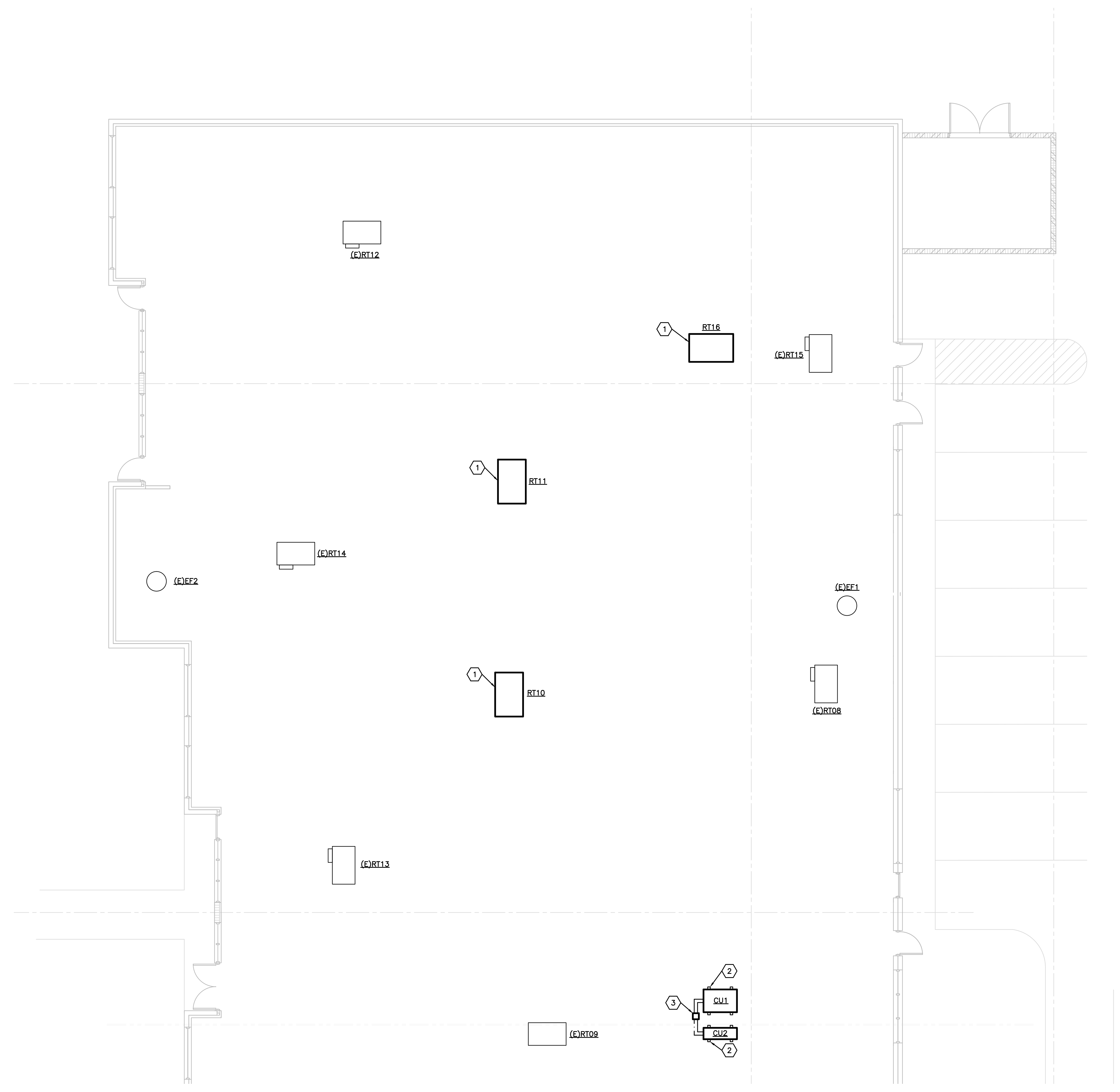
HVAC PLAN - SOUTH

M102

Drawing File: I:\15xxx\15042.001\15042m101.dwg M102
Plotted by: Brandon Dec 17, 2015 — 3:32pm

DRAWING NOTES:

1. EXISTING ROOF CURB TO RECEIVE AN ENGINEERED CURB ADAPTER FOR NEW ROOF TOP UNIT. NEW CURB ADAPTER SHALL SUPPORT WEIGHT OF MAINTENANCE PERSONNEL.
2. NEW EQUIPMENT RAILS AND PIPING CURB FOR NEW CONDENSING UNIT.
3. NEW REFRIGERANT PIPE CURB. REFER TO DETAIL.



HVAC ROOF PLAN - NORTH

1/8" = 1'-0"

A1

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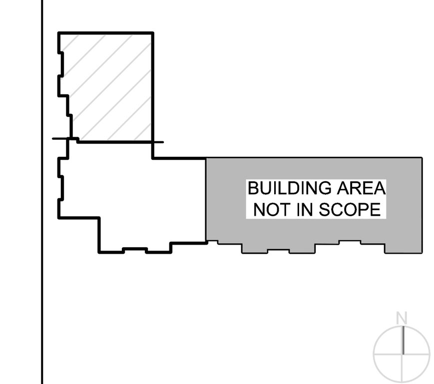

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HVAC ROOF PLAN - NORTH

M103

Drawing File: I:\15xxx\15042.001\15042m103.dwg M103
Plotted by: Brandon Dec 17, 2015 - 3:32pm

DRAWING NOTES:

1. EXISTING ROOF CURB TO RECEIVE AN ENGINEERED CURB ADAPTER FOR NEW ROOF TOP UNIT. NEW CURB ADAPTER SHALL SUPPORT WEIGHT OF MAINTENANCE PERSONNEL.
2. NEW EQUIPMENT RAILS AND PIPING CURB FOR NEW CONDENSING UNIT.
3. NEW REFRIGERANT PIPE CURB. REFER TO DETAIL.

N

0' 4' 8' 16'

HVAC ROOF PLAN - SOUTH
1/8" = 1'-0"

A1

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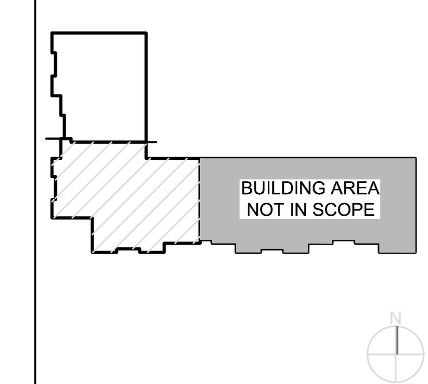

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HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS
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HVAC ROOF PLAN - SOUTH

M104

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Plotted by: Brandon Dec 17, 2015 – 3:32pm

SPLIT SYSTEM A/C SCHEDULE

AIR HANDLER DATA			
MARK	UNITS	AH1	AH2
TOTAL SUPPLY AIR	CFM	3,750	2,500
STATIC PRESSURE (EXT/TOTAL)	IN. H_2O	0.5/–	0.5/–
ENTERING TEMPERATURE DB/WB	F/F	72.0 / 58.7	72.0 / 58.7
COOLING COIL TOTAL CAPACITY (NET)	MBH	92.7	62.7
COOLING COIL SENSIBLE CAPACITY (NET)	MBH	84.9	55.8
FILTERS	TYPE/EFF.	2" MERV 8 PLEATED FILTER	2" MERV 8 PLEATED FILTER
INTEGRAL INFRARED HUMIDIFIER	LBS/HR	10	8
INTEGRAL ELECTRIC HEAT	KW/STEPS	11.5/1	11.5/1
FAN MOTOR	BHP/HP	–/2.0	–/1.5
ELECTRICAL CHARACTERISTICS	V/ø/Hz	208/3/60	208/3/60
FULL LOAD AMPS/RECOMMENDED FUSE (MOCP)	AMPS	45.9/60	45.9/60
MANUFACTURER	–	LIEBERT	LIEBERT
MODEL	–	MMD96E	MMD60E
UNIT WEIGHT	LBS.	665	498
UNIT LOCATION	–	CEILING HUNG	CEILING HUNG
SPACE SERVED	–	SERVER ROOM	SERVER ROOM
CONDENSING UNIT DATA	–		
MARK		CU1	CU1
NOMINAL TONS	TONS	8	5
OUTDOOR TEMP.	°F	95	95
ELECTRICAL CHARACTERISTICS	V/ø/Hz	208/3/60	208/3/60
OUTDOOR FAN(S)	QTY/HP	1/0.75	1/0.5
FULL LOAD AMPS/RECOMMENDED FUSE (MOCP)	AMPS	35.6/60	35.6/60
SEER/EER/IPLV (MINIMUM)	–	13.0/ – /–	13.0/ – /–
MANUFACTURER	–	LIEBERT	LIEBERT
MODEL	–	PFH096A	PFH067A
UNIT WEIGHT	LBS.	565	351
NOTES	–	1 THROUGH 18	1 THROUGH 18

NOTES:

1. FAN RPM AND OUTLET VELOCITY ARE MAXIMUM.
2. REFRIGERANT LINES SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS FOR STATIC LIFTS AND TOTAL LENGTHS REQUIRED. PROVIDE DOUBLE SUCTION RISER(S) AS REQUIRED. COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. INDICATE ANY DEGRADATION IN UNIT PERFORMANCE DUE TO LINE LENGTHS IN THE SUBMITTALS FOR THE EQUIPMENT.
3. PROVIDE MANUFACTURER'S RECOMMENDED REFRIGERANT SPECIALTIES INCLUDING ISOLATION VALVES, REPLACEABLE CORE FILTER DRIER, AND SIGHT GLASSES IN EACH REFRIGERANT CIRCUIT. PROVIDE 5 MINUTE TIME DELAY COMPRESSOR STARTING RELAY. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.
4. REFRIGERANT CIRCUITING IN COOLING COILS SHALL BE FULL FACE WITH ROW SPLITS. INDICATED FACE VELOCITIES ARE MAXIMUM VALUES ALLOWED.
5. PROVIDE WITH MANUFACTURER'S STANDARD THERMOSTAT.
6. PROVIDE WITH MANUFACTURER'S REMOTE TEMPERATURE AND HUMIDITY SENSOR. LOCATE SENSOR IN THE RETURN AIR INTAKE AT THE UNIT.
7. PROVIDE ALL REQUIRED CONTACTS, CARDS AND RELAYS TO INTERFACE WITH THE BUILDING'S (E) DDC SYSTEM. PROVIDE FACTORY WIRED INTERNAL CONTROL POWER TRANSFORMER FOR 120V CONTROLS. PROVIDE WITH BACNET OR MODBUS COMPATIBLE CONTROLLER.
8. PROVIDE CONDENSER COILS WITH EXPANDED STAINLESS STEEL METAL SCREENS. PROVIDE CONTINUOUS 1" U-CHANNEL EDGING SECURED TO UNIT CABINET WITH STAINLESS STEEL SCREWS AT 8" O.C. MANUFACTURER'S STANDARD HAIL GUARDS ARE NOT ACCEPTABLE. PROVIDE CONDENSER COIL COATING AS PER SPECIFICATIONS.
9. PROVIDE A SUCTION LINE ACCUMULATOR.
10. PROVIDE COMPLETE WITH ALL REQUIRED STARTERS AND CONTROLLERS FOR ALL START/STOP FUNCTIONS FOR ALL COMPONENTS.
11. UNIT SHALL MAINTAIN SPACE AT 72 DEG. F AND 45% RH AT ALL TIMES.
12. PROVIDE WITH MERV 8 FILTER.
13. PROVIDE WITH MANUFACTURER'S CONDENSATE PUMP WIRED TO AIR HANDLER. ROUTE 1" CONDENSATE LINE FROM EACH AIR HANDLER TO NEAREST JANITOR'S SINK.
14. PROVIDE NON-LOCKING DISCONNECT AT EVAPORATOR ONLY.
15. PROVIDE FACTORY START-UP.
16. PROVIDE WITH 1 YEAR UNIT WARRANTY AND 4 YEAR EXTENDED COMPRESSOR WARRANTY.
17. PROVIDE 1/4" COPPER WATER LINE TO HUMIDIFIER CONNECTION WITH SHUT-OFF VALVE. CONNECT TO NEAREST 1/2" OR LARGER WATER LINE.
18. PROVIDE ENGINEERED DRAWINGS FOR HVWZ REQUIREMENTS SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER FOR CONDENSING UNITS. VERIFY THAT CURB IS ATTACHED TO STRUCTURE IN ACCORDANCE WITH DETAIL. ATTACH UNIT TO CURB IN ACCORDANCE WITH DETAIL.

PACKAGED ROOFTOP UNIT SCHEDULE

MARK	UNITS	(E)RT01	(E)RT02	(E)RT03	(E)RT04	(E)RT05	(E)RT06	(E)RT07	(E)RT08	(E)RT09
NOMINAL TONS	TONS	6.0	6.0	6.0	6.0	6.0	8.5	5.0	6.0	7.5
TOTAL SUPPLY AIR	CFM	2,700	2,120	2,295	2,835	1,920	3,510	1,790	1,970	2,400
STATIC PRESSURE (EXT./TOTAL)	IN. H O	1.5/–	1.25/–	1.25/–	1.5/–	1.5/–	1.5/–	1.25/–	1.25/–	1.5/–
OUTSIDE AIR QUANTITY	CFM	85	115	215	220	225	375	355	70	245
OUTSIDE AIR TEMPERATURE DB/WB	°F/°F	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0
ENTERING TEMPERATURE DB/WB	°F/°F	75.3 / 62.8	75.9 / 63.6	76.7 / 64.1	76.2 / 63.4	77.3 / 65.2	77.0 / 64.2	78.6 / 67.9	75.5 / 64.0	76.5 / 65.3
COOLING COIL TOTAL CAPACITY (NET)	MBH	61.0	48.7	64.8	73.5	55.5	108.9	62.7	40.5	62.0
COOLING COIL SENSIBLE CAPACITY (NET)	MBH	54.8	42.8	51.3	61.8	42.1	83.0	39.8	36.2	47.7
LEAVING TEMPERATURE COOLING DB/WB	°F/°F	56.5 / 55.3	57.2 / 56.1	56.0 / 54.8	56.0 / 54.8	57.0 / 55.9	55.1 / 53.9	58.0 / 57.1	58.5 / 57.4	58.1 / 57.1
FILTERS	TYPE/EFF.	30% PLEATED	30% PLEATED FILTER	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED
ELECTRIC HEAT (MINIMUM)	kW	14	11	14	16	12	21	13	10	14
ELECTRIC HEAT (MINIMUM)	STEPS	2	1	2	2	1	2	1	1	2
FAN MOTOR	BHP/HP	2.4/–	2.4/–	2.4/–	2.4/–	2.4/–		–/1.5	2.4/–	2.4/–
ELECTRICAL CHARACTERISTICS	V/ø/HZ	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60
FAN ARRANGEMENT/TYPE	–	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC
MANUFACTURER	–	Carrier	Carrier	Carrier	Carrier	Carrier	Carrier	Trane	Carrier	Carrier
MODEL	–	50TJ–007	50TJ–007	50TJ–007	50TJ–007	50TJ–007	50TJ–009	TSC060	50TJ–007	50TC–D08
SEER/EER/IEER (MINIMUM)	–/–/–	13.0 / – / –	13.0 / – / –	13.0 / – / –	– / 11.2 /11.4	13.0 / – / –	– / 11.2 /11.4	13.0 / – / –	13.0 / – / –	13.0 / – / –
MCA	AMPS	–	–	–	–	–	–	–	–	–
MOCP	AMPS	–	–	–	–	–	–	–	–	–
UNIT LOCATION	–	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF
SPACE SERVED	–	BK Invest.	Major	Polygraph	South Waiting	South Waiting	South Waiting	Roll Call	HR Director	HR
NOTES	–	21 THROUGH 28	21 THROUGH 28	21 THROUGH 28	21 THROUGH 28	21 THROUGH 28	21 THROUGH 28	21 THROUGH 28	21 THROUGH 28	21 THROUGH 28
MARK	UNITS	RT10	RT11	(E)RT12	(E)RT13	(E)RT14	(E)RT15	RT16	RT17 – Breakroom	
NOMINAL TONS	TONS	3.0	3.0	6.0	4.0	4.0	5.0	3.0	3.5	
TOTAL SUPPLY AIR	CFM	1,170	1,185	1,920	1,565	1,825	1,895	960	1,190	
STATIC PRESSURE (EXT./TOTAL)	IN. H O	1.4/–	1.4/–	1.5/–	1.0/–	1.5/–	1.25/–	1.4/–	0.75/–	
OUTSIDE AIR QUANTITY	CFM	215	220	245	90	90	175	245	165	
OUTSIDE AIR TEMPERATURE DB/WB	°F/°F	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	91.0 / 80.0	
ENTERING TEMPERATURE DB/WB	°F/°F	78.5 / 66.7	77.9 / 66.1	76.8 / 66.4	75.8 / 62.9	76.0 / 62.9	76.6 / 64.2	79.7 / 67.4	77.5 / 65.0	
COOLING COIL TOTAL CAPACITY (NET)	MBH	40.6	42.2	48.5	42.3	44.8	52.1	37.6	38.5	
COOLING COIL SENSIBLE CAPACITY (NET)	MBH	27.5	27.1	35.7	35.2	39.6	41.3	24.5	28.3	
LEAVING TEMPERATURE COOLING DB/WB	°F/°F	56.7 / 55.7	56.7 / 54.6	59.6 / 58.6	55.0 / 53.8	55.9 / 54.7	56.4 / 55.2	56.1 / 55.0	55.5 / 54.4	
FILTERS	TYPE/EFF.	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	30% PLEATED	
ELECTRIC HEAT (MINIMUM)	kW	9	9	12	9	10	11	9	9	
ELECTRIC HEAT (MINIMUM)	STEPS	1	1	1	1	1	1	1	1	
FAN MOTOR	BHP/HP	0.95/1.0	0.95/1.0	2.4/–	0.75/–	0.75/–	1.2/–	0.95/1.0	0.34/–	
ELECTRICAL CHARACTERISTICS	V/ø/HZ	208/3/60	208/3/60	208/3/60	208/1/60	208/1/60	208/3/60	208/3/60	208/1/60	
FAN ARRANGEMENT/TYPE	–	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	DOWNFLOW FC	
MANUFACTURER	–	Trane	Trane	Carrier	Carrier	Carrier	Carrier	Trane	Carrier	
MODEL	–	TSC036	TSC036	50TJ–007	50TJ–005	50TJ–005	50TJ–006	TSC036	50TJ–004	
SEER/EER/IEER (MINIMUM)	–/–/–	13.0 / – / –	13.0 / – / –	13.0 / – / –	13.0 / – / –	13.0 / – / –	13.0 / – / –	13.0 / – / –	13.0 / – / –	
MCA	AMPS	37.5	37.5	–	–	–	–	37.5	–	
MOCP	AMPS	40.0	40.0	–	–	–	–	40.0	–	
UNIT LOCATION	–	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	
SPACE SERVED	–	Training Room N.	Training Room S.	HR Testing East	West Recp. Area	HR Test Waiting	Chaplin HR Assist	HR Testing West	Breakroom	
NOTES	–	1 THROUGH 22	1 THROUGH 22	21 & 22	21 THROUGH 28	21 THROUGH 28	21 THROUGH 28	1 THROUGH 22	21 THROUGH 28	

NOTES:

1. PROVIDE FOIL FACE INTERNAL CABINET INSULATION.
2. PROVIDE FULL SIZE ACCESS DOOR WITH TOOL-LESS HANDLES.
3. PROVIDE DUAL COMPRESSORS FOR WHERE SCHEDULED.
4. PROVIDE BELT DRIVE FANS.
5. PROVIDE STAINLESS STEEL IAQ DRAIN PAN.
6. PROVIDE R410A REFRIGERANT (NO EXCEPTIONS).
7. PROVIDE FREEZE STATS ON EVAPORATOR COILS.
8. PROVIDE THERMAL EXPANSION VALVES (TXV). FIXED ORIFICE METERING IS NOT ACCEPTABLE.
9. PROVIDE BOTH HIGH PRESSURE AND LOW PRESSURE REFRIGERANT SAFETY SWITCHES.
10. PROVIDE ANTI-CYCLE TIMER, TIME DELAY RELAY AND HEAD PRESSURE CONTROL.
11. PROVIDE LOW AMBIENT CONTROL TO 35°F.
12. PROVIDE VINYL COATED COIL GUARD.
13. PROVIDE MOTORIZED ECONOMIZER DAMPERS AND CONTROLS, RELIEF DAMPER MAYBE GRAVITY. OUTDOOR AIR DAMPER SHALL BE INTERLOCKED WITH THE SYSTEM TO PROVIDE COMPLETE CLOSURE WHEN SYSTEM IS DISABLED AND/OR DURING UNOCCUPIED TIMES.
14. PROVIDE WITH 2" 30% FILTERS.
15. PROVIDE SINGLE POINT POWER CONNECTION. COORDINATE WITH ELECTRICAL CONTRACTOR.
16. PROVIDE UNIT MOUNTED NON-FUSED DISCONNECT SWITCH.
17. UNIT SELECTION SHALL BE MADE WITH CONDENSING AMBIENT TEMPERATURE @ 95°F. PROVIDE FACTORY MOUNTED CONTROLS.
18. COIL SPACING SHALL NOT EXCEED 15 FINS PER INCH.
19. PROVIDE COMPRESSOR UNLOADERS SO THAT UNIT MAY OPERATE DOWN TO 12.5% OF MAXIMUM UNIT CAPACITY. RAWAL APR VALVES ARE ACCEPTABLE.
20. NEW UNIT SHALL REUSE EXISTING ROOF CURB. PROVIDE CURB ADAPTOR AS REQUIRED. CURB ADAPTOR MANUFACTURE SHALL PROVIDE ENGINEERED DRAWINGS FOR HVWZ REQUIREMENTS SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER. VERIFY THAT CURB IS ATTACHED TO STRUCTURE IN ACCORDANCE WITH DETAIL. ATTACH UNIT TO CURB IN ACCORDANCE WITH DETAIL.
21. PROVIDE NEW THERMOSTATS (COOLING/HEATING). SEE PLANS FOR LOCATIONS, AND SEE AIR HANDLER SEQUENCE ON M001 FOR THERMOSTAT TYPE REQUIRED.
22. PROVIDE UNIT NUMBER LABELS ON UNITS AND ON THERMOSTATS CORRESPONDING TO UNITS SHOWN ON DRAWINGS.
23. THE CONTRACTOR SHALL FIELD VERIFY ALL UNIT INFORMATION PRIOR TO SUBMITTING A BID.
24. RT IS EXISTING TO REMAIN, INFORMATION SHOWN IS FOR BALANCING PURPOSES ONLY.
25. PROVIDE MOTORIZED OUTDOOR AIR DAMPER IN EXISTING UNIT. NEW CONTROLS SHALL CLOSE DAMPER WHEN SYSTEM IS IN UNOCCUPIED MODE. EXISTING UNITS SHALL NOT HAVE ECONOMIZER CONTROLS.
26. FIELD VERIFY THE OPERATION OF THE EQUIPMENT PRIOR TO START OF WORK AND REPORT THE CONDITIONS/DEFECTS TO THE A/E. EXISTING RTU SHALL THEN BE SERVICED AND RENDERED COMPLETELY OPERATIONAL BY A FACTORY CERTIFIED TECHNICIAN. THE UNIT INTERIOR SHALL BE CLEANED BY A CERTIFIED DUCT CLEANING FIRM (SUBMIT REPORT FROM THE FIRM DOCUMENTING HOW THE UNIT WAS CLEANED AND ANY ISSUES FOUND). SERVICE AND REPAIR/REPLACE ANY DAMAGED COMPONENTS, CONTROLS AND WARRANTY (PARTS AND LABOR FOR ANY REPLACED COMPONENTS, AND LABOR ONLY FOR REPAIRS) FOR ONE YEAR. PROVIDE OIL/REFRIGERANT AS NEEDED. INVOICES SHALL CLEARLY LIST ANY PARTS REPLACED AND THE LABOR TIME SPENT TO INSTALL EACH PART OR REPAIR.
27. ADJUST THE SUPPLY FAN SPEED TO DELIVER CFM SHOWN.
28. PROVIDE RAWAL APR VALVE SIZED TO MAKE UNIT CAPABLE OF UNLOADING THE EVAPORATOR COIL TO 15% (85% BYPASS) OF FULL LOAD WITHOUT OVERHEATING THE COMPRESSORS.

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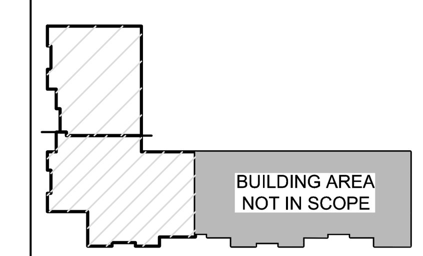

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HVAC SCHEDULES

Drawing File: I:\15xxx\15042.001\15042m201.dwg M201
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AIR DISTRIBUTION DEVICE SCHEDULE

MARK		CD1	CD2	RR1	RR2	EG1	XG1
NECK SIZE	INCH	–	–	–	–	–	22x22
MODULE/FACE SIZE	INCH	24x24/24x24	–	24x24/23x23	–/–	–/–	24x24/23x23
MANUFACTURER	–	J&J	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	–	AL1444–33–TR	TMR–AA	PAR–AA	PAR–AA	50F	PAR–AA
CONSTRUCTION	–	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
NOTES	–	1,2,4	3,7	1,4,7	1,4,7	1,4,6,7	1,4,7

NOTES:

1. NECK SIZE OF DEVICE IS EQUAL TO THE DUCT SIZE INDICATED ON THE DRAWING.
2. PROVIDE WITH SQUARE TO ROUND ADAPTER. REFER TO PLANS FOR SIZE.
3. COORDINATE COLOR AND FINISH TEXTURE BY SAMPLE SUBMITTAL TO ARCHITECT. SEE PLANS FOR SIZE.
4. PROVIDE WITH AUXILIARY FRAME.
5. WHERE GRILLE IS INDICATED TO BE LOCATED IN LAY–IN CEILINGS, PROVIDE 24x24 LAY–IN PANEL BORDER, WHITE IN COLOR.
6. PAINT INSIDE OF DUCT & GRILLE FLAT BLACK WHEN CAN BE SEEN THROUGH FACE OF GRILLE.
7. TWO–WAY AIRFLOW AS INDICATED ON PLAN.

REMARKS:

A. REFER TO PLANS FOR EXACT LOCATIONS OF ALL DIFFUSERS, GRILLES AND REGISTERS.
B. COORDINATE FRAME STYLES WITH CEILING SYSTEM ACTUALLY FURNISHED.
C. NC VALUES FOR DIFFUSERS, GRILLES AND REGISTERS SHALL NOT EXCEED 35 WITH A ROOM ABSORPTION RATE OF 10db ie.. 10–12 WATTS.
D. REFER TO THE MECHANICAL LEGEND FOR A DESCRIPTION OF THE AIR DEVICE MARK.
E. WHERE THE CONNECTING DUCT OR PLENUM CAN BE OBSERVED THROUGH THE FACE OF THE GRILLE, THE VISIBLE DUCTWORK SHALL BE PAINTED FLAT BLACK.

FAN SCHEDULE

MARK	SERVES	CFM	DRIVE	TIP SPEED	MOTOR RPM	FAN RPM	S.P. IN. H_2O	ELECTRICAL VOLT/ø/60	MOTOR HP BHP/HP	SONES	MANUFACTURER	MODEL	MOUNTING LOCATION	WEIGHT	INTERLOCK	CURB CAP SIZE	FAN TO CURB ANCHORAGE ++	ROOF DECK TYPE	CURB TO DECK ANCHORAGE	NOTES
(E)EF1	NE GROUP RR AND JAN.	435	DIRECT	(E)	(E)	(E)	0.375	120/1/60	(E)	(E)	(E)	(E)	ROOF CURB	–	LIGHTS	(E)	(E)	(E)	(E)	7
(E)EF2	NW RESTROOMS	150	DIRECT	(E)	(E)	(E)	0.375	120/1/60	(E)	(E)	(E)	(E)	ROOF CURB	–	LIGHTS	(E)	(E)	(E)	(E)	7
EF3	SW RESTROOMS AND JAN.	225	DIRECT	3,458	1,725	1,626	0.375	120/1/60	0.03/0.167	4.9	GREENHECK	G–070–VG	ROOF CURB	21	LIGHTS	11x11	1/4" fastener, 2 per side	STEEL	REFER TO STRUCTURAL DRAWINGS	1,2,3,4,5,6,7
EF4	SE RESTROOMS AND JAN.	225	DIRECT	3,458	1,725	1,626	0.375	120/1/60	0.03/0.167	4.9	GREENHECK	G–070–VG	ROOF CURB	21	LIGHTS	11x11	1/4" fastener, 2 per side	STEEL	REFER TO STRUCTURAL DRAWINGS	1,2,3,4,5,6,7
(E)EF5	SE GROUP RESTROOMS	400	DIRECT	(E)	(E)	(E)	0.375	120/1/60	(E)	(E)	(E)	(E)	ROOF CURB	–	LIGHTS	(E)	(E)	(E)	(E)	7

NOTES:

1. COORDINATE WITH ELECTRICAL DRAWINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE WITH FACTORY DISCONNECT.
3. HARDWIRE INTERLOCK AS INDICATED IN SCHEDULE. PROVIDE ALL REQUIRED STARTERS, CONTACTS, AND RELAYS.
4. PROVIDE WITH ELECTRIC FAN SPEED CONTROL.
5. PROVIDE WITH 14" ROOF CURB (REFER TO SPECIFICATIONS). INSTALLATION SHALL BE COORDINATED THROUGH THE GENERAL CONTRACTOR. PROVIDE GASKET SEAL BETWEEN FAN AND CURB.
6. PROVIDE BACKDRAFT DAMPER.
7. BALANCE TO AIR FLOWS LISTED IN SCHEDULE.

++ BASIS OF DESIGN SHOWN. REFER TO FAN'S FLORIDA PRODUCT APPROVAL NOA FOR ACTUAL SIZE AND QUANTITY.

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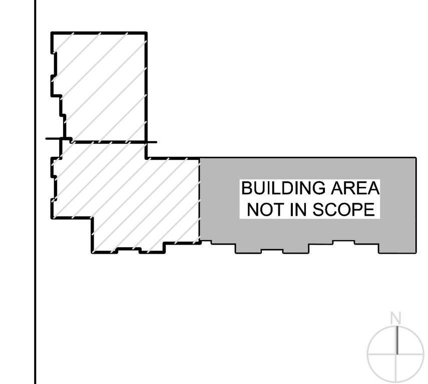


HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

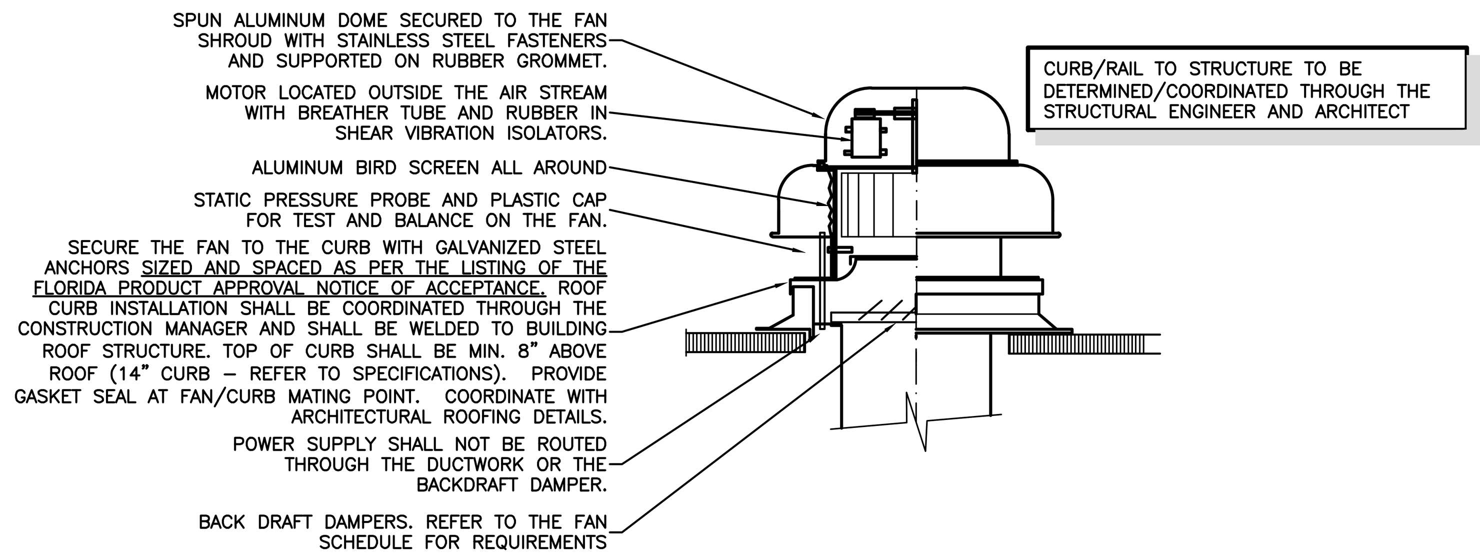
DISTRIBUTION	DATE
CD CHECK SET	10/15/15
100% CONST. DOCS	11/16/15
ADDENDUM 01	12/16/15

HVAC SCHEDULES

M202

HVAC SCHEDULES A1

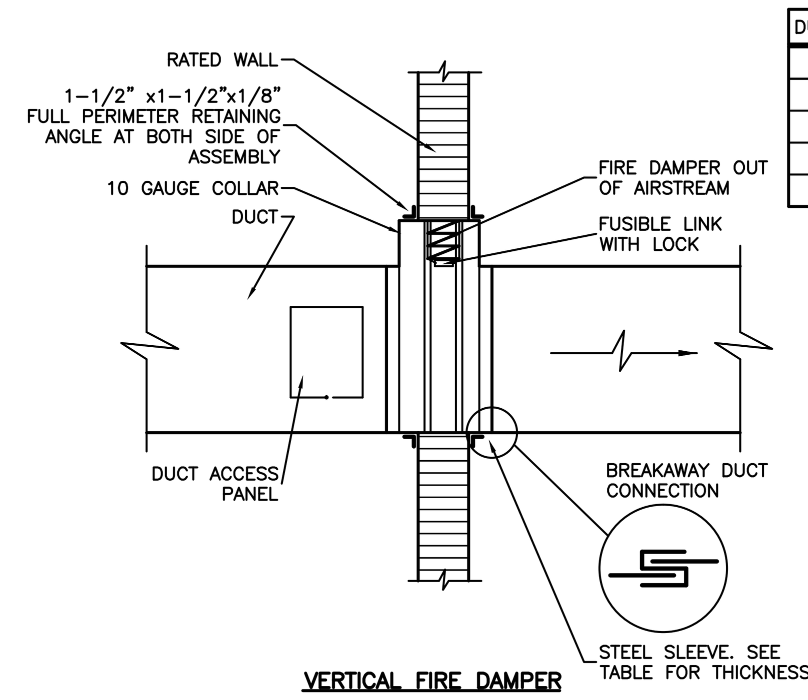
Drawing File: I:\15xxx\15042.001\15042m201.dwg M202
Plotted by: Brandon Dec 17, 2015 – 3:32pm



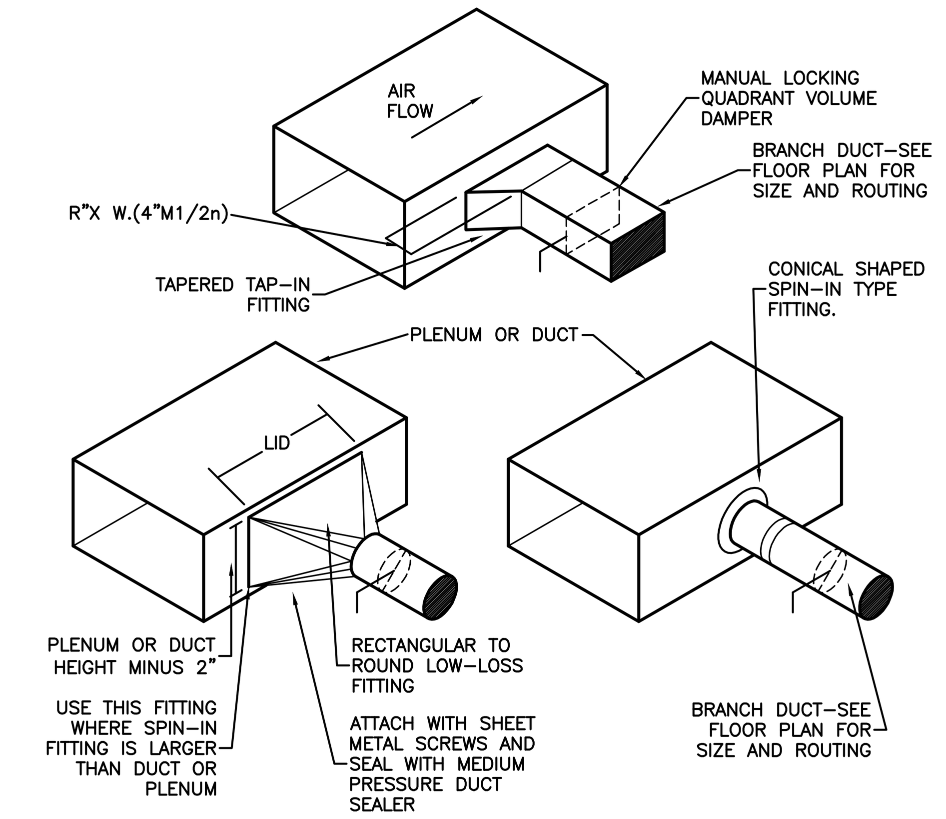
CENTRIFUGAL ROOF EXHAUST FAN
NOT TO SCALE

NOTE: PROVIDE DYNAMIC TYPE FIRE DAMPERS ON AIR SYSTEMS THAT DO NOT SHUT DOWN ON CALL FROM FIRE ALARM OR FIRESTAT.

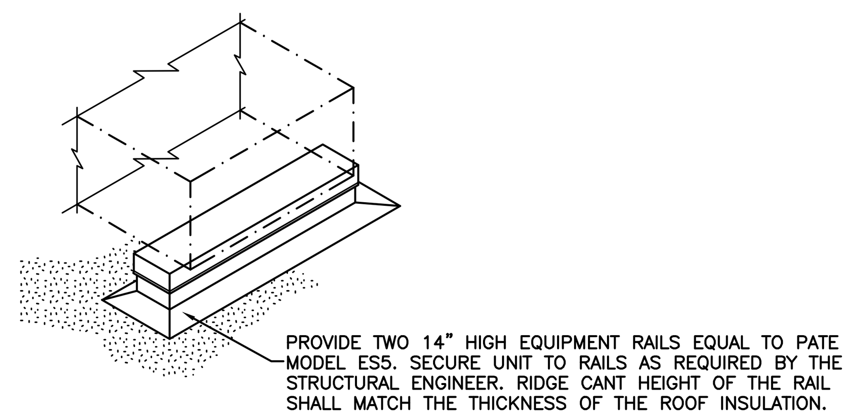
DUCT DIMENSION	SLEEVE GAUGE
12" DOWN	26
13"–30"	24
31"–54"	22
55"–84"	20
85" UP	18



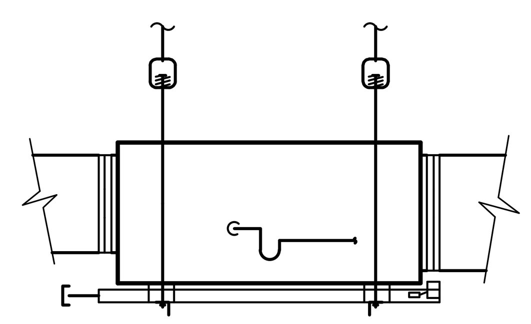
FIRE DAMPER DETAILS
NOT TO SCALE



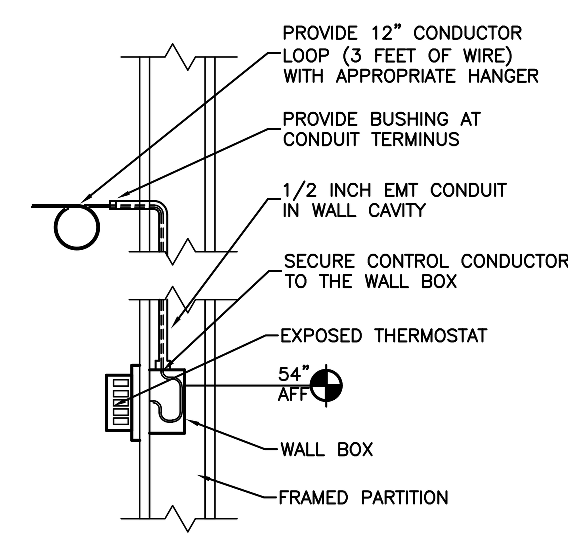
BRANCH DUCT TAKE–OFF DETAIL
NOT TO SCALE



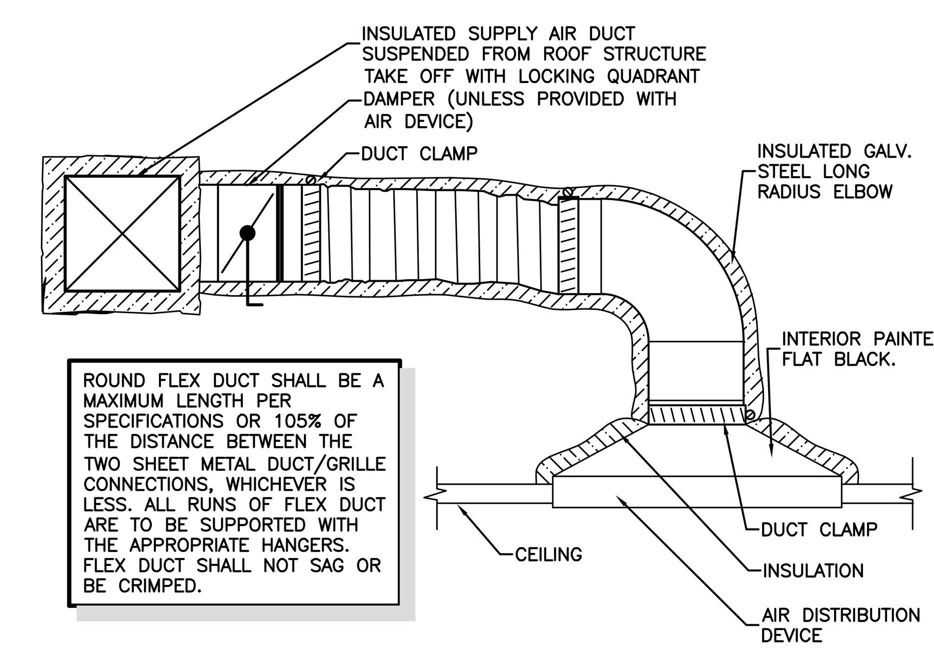
ROOF MOUNTED EQUIPMENT SUPPORT DETAIL
NOT TO SCALE



HORIZONTAL AHU HANGING DETAIL
NOT TO SCALE

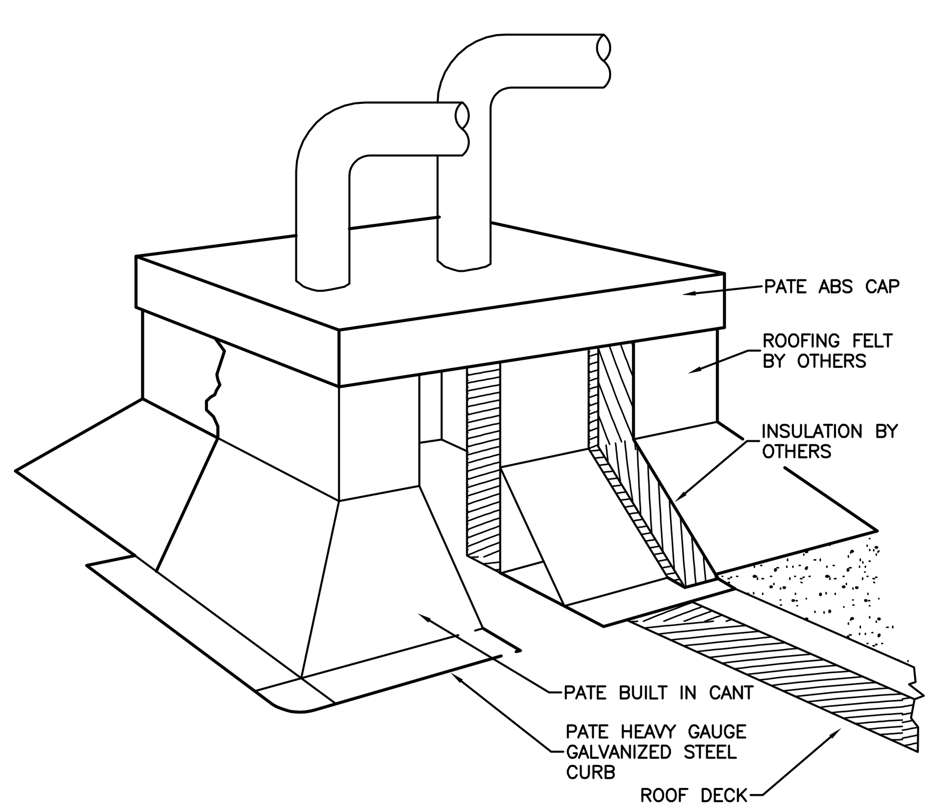


ROOM THERMOSTAT IN GYPBOARD WALL
NOT TO SCALE

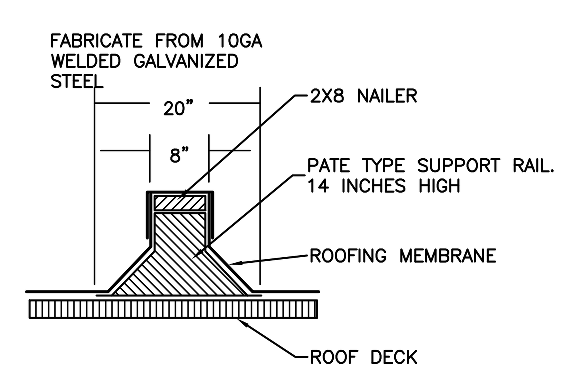


NOTES:
1. REFER TO THE AIR DISTRIBUTION DEVICE SCHEDULE FOR ADDITIONAL REQUIREMENTS.
2. REFER TO SPECIFICATIONS FOR MAXIMUM FLEXIBLE DUCT LENGTH.
3. SUSPEND AIR DEVICE FROM ABOVE, DO NOT SUPPORT FROM CEILING.
4. INTERIOR OF DEVICE TO BE PAINTED FLAT BLACK.

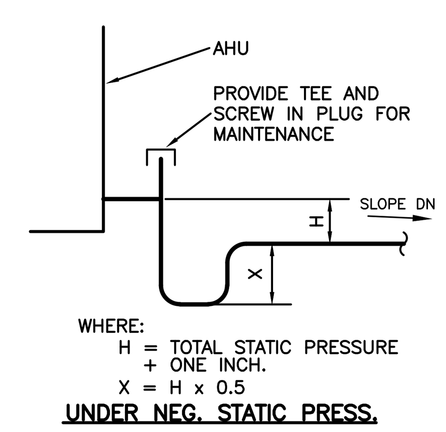
FLEXIBLE DUCT RUN–OUTS TO AIR DEVICE
NOT TO SCALE



ROOF PENETRATION DETAIL
NOT TO SCALE

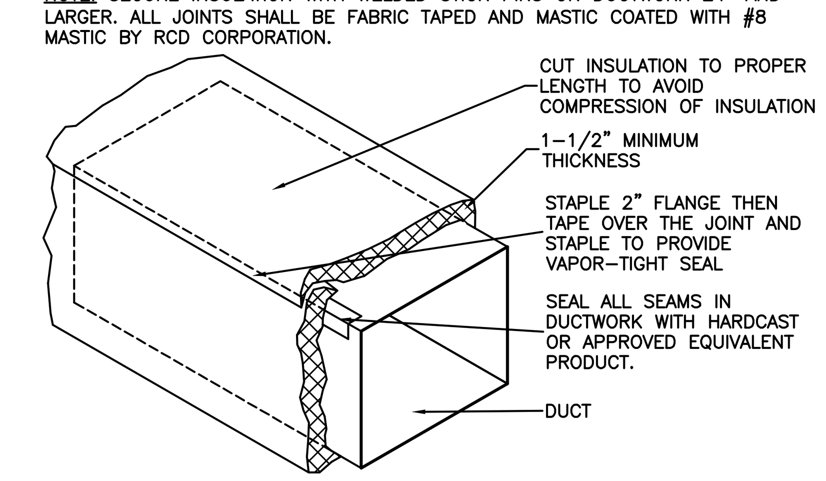


EQUIPMENT SUPPORT RAIL
NOT TO SCALE



CONDENSATE DRAIN TRAP
NOT TO SCALE

NOTE: SECURE INSULATION WITH WELDED STICK PINS ON DUCTWORK 24" AND LARGER. ALL JOINTS SHALL BE FABRIC TAPED AND MASTIC COATED WITH #8 MASTIC BY RCD CORPORATION.



TYPICAL DUCT WRAPPING DETAIL
NOT TO SCALE

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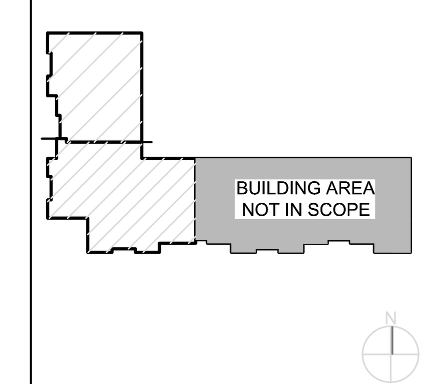

HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S
DEPARTMENT RENOVATIONS
PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

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ADDENDUM 01	12/16/15

HVAC DETAILS

M301

HVAC DETAILS
NOT TO SCALE
A1

Drawing File: I:\15xxx\15042.001\15042m301.dwg M301
Plotted by: Brandon Dec 17, 2015 – 3:32pm

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED ABOVE CEILING OR BEHIND FINISHED WALL	N/A
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED BELOW FINISHED FLOOR OR UNDERGROUND.	N/A
	RACEWAY EXPOSED ON WALL OR CEILING	N/A
LA–1,3,5 EG IG	HOMERUN TO PANELBOARD – LETTER INDICATES PANEL, NUMBER INDICATES CIRCUIT, MINIMUM 3/4" CONDUIT. NOTE: ANY HOMERUN WITHOUT FURTHER DESIGNATION INDICATES TWO #12 AWG AND #12 AWG EQUIPMENT GROUND. PC OUTLET REQUIRES SEPARATE NEUTRAL, MIN. #10 AWG. DEDICATED CIRCUIT REQUIRES SEPARATE NEUTRAL	N/A
UP DOWN	RACEWAY RISER, UP OR DOWN AS NOTED	N/A
	CONDUIT CAPPED	N/A
1 a A	FLUORESCENT LUMINAIRE, LETTER INDICATES TYPE. 1 = CKT. NO. , a = SWITCH DESIGNATION, NL = NIGHT LIGHT	CEILING – SEE FIXTURE SCHEDULE
A1	FLUORESCENT LUMINAIRE W/ EMERGENCY BATTERY PACK, LETTER INDICATES TYPE.	CEILING – SEE FIXTURE SCHEDULE
B	LED OR FLUORESCENT UNDER COUNTER LUMINAIRE, LETTER INDICATES TYPE	WALL – SEE FIXTURE SCHEDULE
C	FLUORESCENT STRIP LUMINAIRE, LETTER INDICATES TYPE.	CEILING – SEE FIXTURE SCHEDULE
D	LED OR FLUORESCENT WALL MOUNT LUMINAIRE, LETTER INDICATES TYPE	WALL – SEE FIXTURE SCHEDULE
X X	EXIT LIGHT, LETTER INDICATES TYPE SINGLE OR DUAL FACED AS INDICATED ON DRAWINGS	SEE FIXTURE SCHEDULE
VS	VACANCY SENSOR CEILING MOUNTED, DUAL TECHNOLOGY. SUBMIT SENSOR MANUFACTURER'S LAYOUT DRAWINGS FOR APPROVAL. SENSOR SWITCH CMR-PDT-10 OR GREENGATE APPROVED EQUIVALENT. PROVIDE WIDER RANGE DEVICES WHEN NECESSARY.	CEILING MOUNTED
PC TC	TIME CLOCK, CONTACTOR, AND PHOTOCELL FOR EXTERIOR LIGHTING CONTROLS	SEE DETAIL
$	SINGLE POLE SWITCH	M.H. 48" AFF TO TOP
$3	THREE WAY SWITCH	M.H. 48" AFF TO TOP
$4	FOUR WAY SWITCH	M.H. 48" AFF TO TOP
$M	MOTOR/HP RATED TOGGLE SWITCH SIZED PER MOTOR MANUFACTURER'S RECOMMENDATION, MINIMUM 20 AMP.	SURFACE, ADJACENT TO OR ON MOTOR
$T	TIME DELAY SWITCH (LIGHTS & EXH. FAN) PENN MODEL #AM–12 OR GREENGATE EQUAL (10 MIN. OFF DELAY)	M.H. 48" AFF TO TOP
$OS	AUTOMATIC WALL SWITCH WITH OCCUPANCY SENSOR. SENSOR SWITCH WSD–PDT–SA, OR GREENGATE APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
a	LIGHTING CONTROL WALL SWITCH. PUSH BUTTON MANUAL ON/OFF. LETTER INDICATES FIXTURE GROUPING BY SWITCH. SENSOR SWITCH SPODM–SA, OR GREENGATE APPROVED EQUAL.	M.H. 48" AFF TO TOP
a 3	THREE WAY LIGHTING CONTROL WALL SWITCH. PUSH BUTTON MANUAL ON/OFF. LETTER INDICATES FIXTURE GROUPING BY SWITCH. SENSOR SWITCH SPODM–SA–3X, OR GREENGATE APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
OS	WALL SWITCH OCCUPANCY SENSOR. PUSH BUTTON MANUAL ON/OFF. LETTER INDICATES FIXTURE GROUPING BY SWITCH. SENSOR SWITCH WSD–PDT–SA, OR GREENGATE APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
D	LED LOW VOLTAGE MANUAL ON/AUTO OFF DIMMER SWITCH (FOR USE WITH VACANCY TYPE SENSOR MANUAL ON/AUTO OFF. SENSOR SWITCH #SPODM–D–SA GREENGATE OR APPROVED EQUIVALENT. LED LOW VOLTAGE DIMMER SWITCH TO BE COMPATIBLE WITH LED DRIVE. (0–10V DIMMING). LETTER INDICATES FIXTURE GROUPING BY SWITCH.	M.H. 48" AFF TO TOP
	SINGLE RECEPTACLE – 120VAC	M.H. 16" AFF TO BOTTOM
WP GFI	DUPLEX RECEPTACLE – 120VAC, "WP" DENOTES WEATHERPROOF "GFI" DENOTES GROUND FAULT PROTECTION.	M.H. 16" AFF TO BOTTOM
	DUPLEX RECEPTACLE CONTROLLED VIA REMOTE SWICH– 120VAC	M.H. 16" AFF TO BOTTOM
	DUPLEX RECEPTACLE – 120VAC	MOUNTED 42" AFF TO BOTTOM OR AS NOTED
	DOUBLE DUPLEX RECEPTACLE – 120VAC	M.H. 16" AFF TO BOTTOM
	DOUBLE DUPLEX RECEPTACLE – 120VAC	M.H. 42" AFF TO BOTTOM
	DUPLEX RECEPTACLE – 120VAC. COMPUTER OUTLET WITH SEPARATE NEUTRAL, MIN. #10 AWG	M.H. 16" AFF TO BOTTOM
	DOUBLE DUPLEX RECEPTACLE – 120VAC. COMPUTER OUTLET WITH SEPARATE NEUTRAL, MIN. #10 AWG	M.H. 16" AFF TO BOTTOM
	30 AMP, 208 VOLT, SINGLE PHASE RECEPTACLE NEMA 6–30R, OR AS INDICATED.	M.H. 42" AFF TO BOTTOM
	SPECIAL RECEPTACLE, AMPERAGE, NEMA TYPE AS INDICATED.	M.H. 42" AFF TO BOTTOM
	4"x4"x2–1/8" DEEP OUTLET BOX FOR COMMUNICATIONS WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE. CABLING AND DATA JACK BY OWNER.	M.H. 16" AFF TO BOTTOM OR AS NOTED (VERIFY MOUNTING HEIGHTS WITH OWNER PRIOR TO ROUGH–IN AT ALL COUNTER LOCATIONS)

THIS IS A STANDARD LEGEND. NOT ALL DEVICES SHOWN ARE USED IN THESE DOCUMENTS. ALL DEVICES SHOWN AS EXISTING, ARE TO REMAIN UNLESS OTHERWISE NOTED

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
WA 2	DUPLEX COMMUNICATIONS OUTLET LOCATED ABOVE CEILING FOR FUTURE WIRELESS ACCESS POINT	ABOVE CEILING
TV	TV CABLE OUTLET – PROVIDE RG6 CABLE, CONDUIT, AND CONNECTORS AS PER SPECIFICATIONS OR AS NOTED.	M.H. 16" AFF TO BOTTOM OR AS NOTED
	120/240V. PANELBOARD	M.H. 6'–0" TO TOP OR AS NOTED
	NON–FUSIBLE SAFETY SWITCH	M.H. 6'–0" TO TOP OR AS NOTED
	FUSIBLE SAFETY SWITCH	M.H. 6'–0" TO TOP OR ON EQUIPMENT
	COMBINATION MOTOR STARTER	AS NOTED
	MAGNETIC MOTOR STARTER	AS NOTED
J	JUNCTION BOX OR OUTLET BOX, 4" SQUARE BOX UNLESS OTHERWISE NOTED	AS NOTED
	MOTOR CONNECTION	AS NOTED
	ELECTRIC HEAT STRIP	IN VAV BOX INDICATED
PC	PHOTOELECTRIC CELL	AS NOTED
TC	TIME CLOCK, AS NOTED OR SPECIFIED	M.H. 54" A.F.F. TO BOTTOM OR AS NOTED
T	LOW VOLTAGE TRANSFORMER FOR PLUMBING FIXTURE POWER UNLESS OTHERWISE NOTED	MOUNT SECURELY ABOVE ACCESSIBLE CEILING SPACE
	MOMENTARY SWITCH WITH RED 2" MUSHROOM HEAD BUTTON, WITH COVER, OR AS NOTED	M.H. 48" A.F.F. TO TOP OR AS NOTED
S F	FIRE ALARM SPEAKER (VOICE SYSTEM), LETTER IN CIRCLE INDICATES TYPE: B=BELL, C=CHIME, H=HORN, S=SPEAKER	TOP 6" BELOW CEILING OR 80" A.F.F. WHICHEVER IS LOWER
F	FIRE ALARM MANUAL PULL STATION	M.H. 48" AFF TO TOP
F	FIRE ALARM STROBE LIGHT ONLY	TOP 6" BELOW CEILING OR 80" A.F.F. WHICHEVER IS LOWER
H F xx	FIRE ALARM HORN WITH STROBE, C=CHIME, B=BELL, H=HORN, S=SPEAKER xx = CANDELA RATING (ASSUME 75 CANDELA MINIMUM U.O.N.)	TOP 6" BELOW CEILING OR 80" A.F.F. WHICHEVER IS LOWER
F RI	FIRE ALARM REMOTE INDICATOR	TOP 6" BELOW CEILING OR 80" A.F.F. WHICHEVER IS LOWER
T F	FIRE ALARM TROUBLE BELL (SEE F.A. ONE LINE DIAGRAM)	AS NOTED
F FS	FLOW SWITCH (SEE F.A. ONE LINE DIAGRAM)	AS NOTED
F TS	FIRE ALARM TAMPER SWITCH	AS NOTED
F D	FIRE ALARM MAGNETIC DOOR HOLDER COORDINATE MOUNTING HEIGHT WITH DOOR SUPPLIER	WALL MOUNTED
F S	FIRE ALARM SMOKE DETECTOR	CEILING MOUNTED
F H	FIRE ALARM HEAT DETECTOR	CEILING MOUNTED
F R	FIRE ALARM RELAY TO SHUT DOWN AIR HANDLER UNITS	SEE PLANS
F RT	FIRE ALARM DUCT DETECTOR REMOTE TEST STATION	M.H. 64" AFF TO BOTTOM
F SD	FIRE ALARM SMOKE DETECTOR IN A/C DUCT	DUCT MOUNTED (SEE MECH. DWGS.)
FATC	FIRE ALARM TERMINAL CABINET	M.H. 6'–6" AFF TO TOP
FAA	FIRE ALARM ANNUNCIATOR PANEL	M.H. 4'–6" AFF TO TOP
FACP	FIRE ALARM MAIN CONTROL PANEL	M.H. 6'–6" AFF TO TOP
FAPS	SIGNAGE INDICATING "FIRE ALARM PULL STATION INSIDE"	M.H. 48" AFF TO TOP
	END OF LINE RESISTOR	SEE PLANS
M	SECURITY SYSTEM MOTION DETECTOR PROVIDE 4" SQUARE x 2.5" DEEP BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.	CEILING MOUNTED
CR	CARD READER PROVIDE 4" SQUARE x 2.5" DEEP BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.	M.H. 48" AFF TO TOP
DC	DOOR CONTACT FOR SECURITY SYSTEM WITH REQUIRED CABLING AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.	MOUNT IN DOOR FRAME

THIS IS A STANDARD LEGEND. NOT ALL DEVICES SHOWN ARE USED IN THESE DOCUMENTS. ALL DEVICES SHOWN AS EXISTING, ARE TO REMAIN UNLESS OTHERWISE NOTED

ELECTRICAL LEGEND (EXISTING DEVICES)

SYMBOL	DESCRIPTION	MOUNTING
	EXISTING LOCATION FOR DUPLEX RECEPTACLE– 120VAC	M.H. 16"/24" AFF TO BOTTOM
	EXISTING LOCATION FOR DUPLEX RECEPTACLE– 120VAC	MOUNTED 42" AFF TO BOTTOM OR AS NOTED
F S	EXISTING/REINSTALLED FIRE ALARM SMOKE DETECTOR	CEILING MOUNTED
F H	EXISTING/REINSTALLED FIRE ALARM HEAT DETECTOR	CEILING MOUNTED
F	EXISTING/REINSTALLED FIRE ALARM PULL STATION	WALL MOUNTED
F H	EXISTING/REINSTALLED FIRE ALARM INDICATION APPLIANCE	WALL MOUNTED
	EXISTING PANEL LOCATION	WALL MOUNTED
	EXISTING DISCONNECT LOCATION	WALL MOUNTED
C	EXISTING CONTACTOR/CONTROLER	N/A

THIS IS A STANDARD LEGEND. NOT ALL DEVICES SHOWN ARE USED IN THESE DOCUMENTS. ALL DEVICES SHOWN AS EXISTING, ARE TO REMAIN UNLESS OTHERWISE NOTED

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR	G, GND	GROUND
AFG	ABOVE FINISHED GRADE	GWB	GYPSUM WALL BOARD
E	EXISTING	H.D.	HAND DRYER
ETR	EXISTING TO REMAIN	INT	INTERCOM/PAGING CABINET
EWC	ELECTRIC WATER COOLER	MTG	MOUNTING
EWH	ELECTRIC WATER HEATER	MTD	MOUNTED
EG	EQUIPMENT GROUND	M.H.	MOUNTING HEIGHT
ESB	ENERGY SAVING BALLAST	N/A	NOT APPLICABLE
EXP	EXPLOSION PROOF	PROJ	PROJECTOR LOCATION
FACP	FIRE ALARM CONTROL PANEL	U.O.N.	UNLESS OTHERWISE NOTED
FATC	FIRE ALARM TERMINAL CABINET	R	REMOVE
GFI	GROUND FAULT PROTECTION	RL	RELOCATED
		WP	WEATHER PROOF

ELECTRICAL GENERAL NOTES:

(THESE NOTES APPLY TO ALL SHEETS)

1. ALL ELECTRICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   A. FLORIDA BUILDING CODE (FBC) 5TH EDITION (2014): THIS CODE INCLUDES THE 2014 FBC BUILDING, MECHANICAL, PLUMBING, FUEL GAS AND ENERGY CONSERVATION VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC, BUILDING CHAPTER 35; FBC, PLUMBING CHAPTER 14; FBC, MECHANICAL CHAPTER 15; FBC, FUEL GAS CHAPTER 8, FBC, ENERGY CONSERVATION CHAPTER 5.) (EFFECTIVE JUNE 30, 2015)
   B. 5TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2014)
   C. 2011 NATIONAL ELECTRIC CODE
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY THE EXISTING CONDITIONS TO GAIN KNOWLEDGE OF THE SCOPE OF WORK INVOLVED.
3. "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. IN GENERAL, THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHOULD NOT BE SCALED. IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. PROVIDE ALL ITEMS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
5. ELECTRICAL INSTALLATION SHALL BE CLOSELY COORDINATED WITH ALL OTHER TRADES. REVIEW THE ENTIRE SET OF DOCUMENTS FOR COORDINATION. NO COST SHALL BE ASSOCIATED WITH ILL–TIMED INSTALLATION INCLUDING ANY REPAIRS OR REPLACEMENTS.
6. ALL CONDUITS AND BOXES SHALL BE CONCEALED UNLESS OTHERWISE NOTED. ALL CONDUIT RUNS ARE SCHEMATIC IN NATURE. EXACT ROUTING TO BE DETERMINED IN THE FIELD UNLESS OTHERWISE NOTED.
7. APPLY A BITUMASTIC COATING FOR ALL CONDUITS PENETRATING FLOOR SLABS FROM BELOW GRADE.
8. PROVIDE ALL REQUIRED PULL BOXES, JUNCTION BOXES, ETC. FOR A COMPLETE INSTALLATION.
9. PATCH, REPAIR AND REPAINT ALL WALLS THAT HAVE BEEN DAMAGED DUE TO ELECTRICAL ROUGH–IN. REMOVE ANY UNUSED CONDUIT AND WIRE.
10. PROVIDE FIRE–STOPPING AT ALL FIRE WALL PENETRATIONS. USE A U.L. APPROVED SYSTEM LISTED FOR THE ASSOCIATED INSTALLATION.
11. ALL CONDUCTORS SHALL BE STRANDED COPPER, THHN/THWN, MINIMUM #12 AWG. ALL CONDUCTORS SHALL BE IN CONDUIT. FLEXIBLE CONDUIT SHALL BE LIMITED TO A MAXIMUM OF 6'–0" IN LENGTH.
12. MC CABLE OR OTHER PREMANUFACTURED CABLING SHALL NOT BE USED UNLESS APPROVED BY THE OWNER AND ENGINEER.
13. ALL CIRCUITS SHALL CONTAIN A SEPARATE, GREEN, COPPER GROUNDING CONDUCTOR.
14. ALL RECEPTACLES SHALL HAVE A GROUND TERMINAL.
15. WHEN REUSING OR EXTENDING EXISTING CIRCUITS, VERIFY ALL CIRCUIT NUMBERS AND VERIFY ANY EXISTING LOAD. CIRCUITS MAY BE PICKED UP AT AN EXISTING JUNCTION BOX IF AVAILABLE RATHER THAN PROVIDING A SEPARATE HOMERUN TO A PANEL.
16. RECESSED LIGHTING FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE AT (4) POINTS. DO NOT SUPPORT FIXTURES FROM THE CEILING GRID, MECHANICAL PIPING, DUCTWORK, CONDUIT OR OTHER NON–STRUCTURAL BUILDING MEMBERS. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED FOR INSTALLATION.
17. THE COLOR OF ALL RECEPTACLES, TOGGLE SWITCHES AND COVERPLATES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING.
18. PANELBOARDS SHALL BE ACCURATELY LABELED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED, THEIR LOAD AND LOCATION.
19. BRANCH CIRCUIT SHALL NOT BE RUN UNDERGROUND UNLESS SPECIFIED OR APPROVED BY THE OWNER AND ENGINEER. ROUTE CONCEALED IN WALL AND ABOVE CEILINGS. DISTRIBUTION FEEDERS FROM THE MAIN SWITCHBOARD MAY BE RUN UNDERGROUND.
20. PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALL AND STRUCTURAL SLABS.
21. PROVIDE HANDLE TIES FOR 2 OR MORE SINGLE POLE WITH SHARED NEUTRALS TO COMPLY WITH NEC 210.4 (B)
22. SEE SPECIFICATIONS

ELECTRICAL DRAWING INDEX

ELECTRICAL LEGEND

NOT TO SCALE

A1

0' 4' 8' 16'

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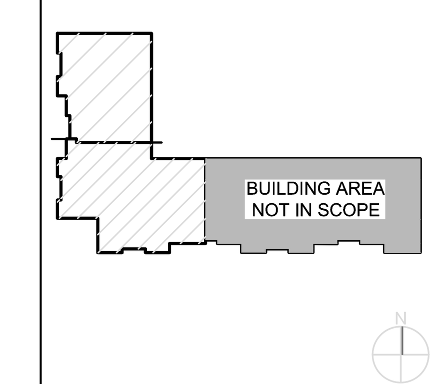

HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

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ELECTRICAL LEGEND, AND GENERAL NOTES

E001

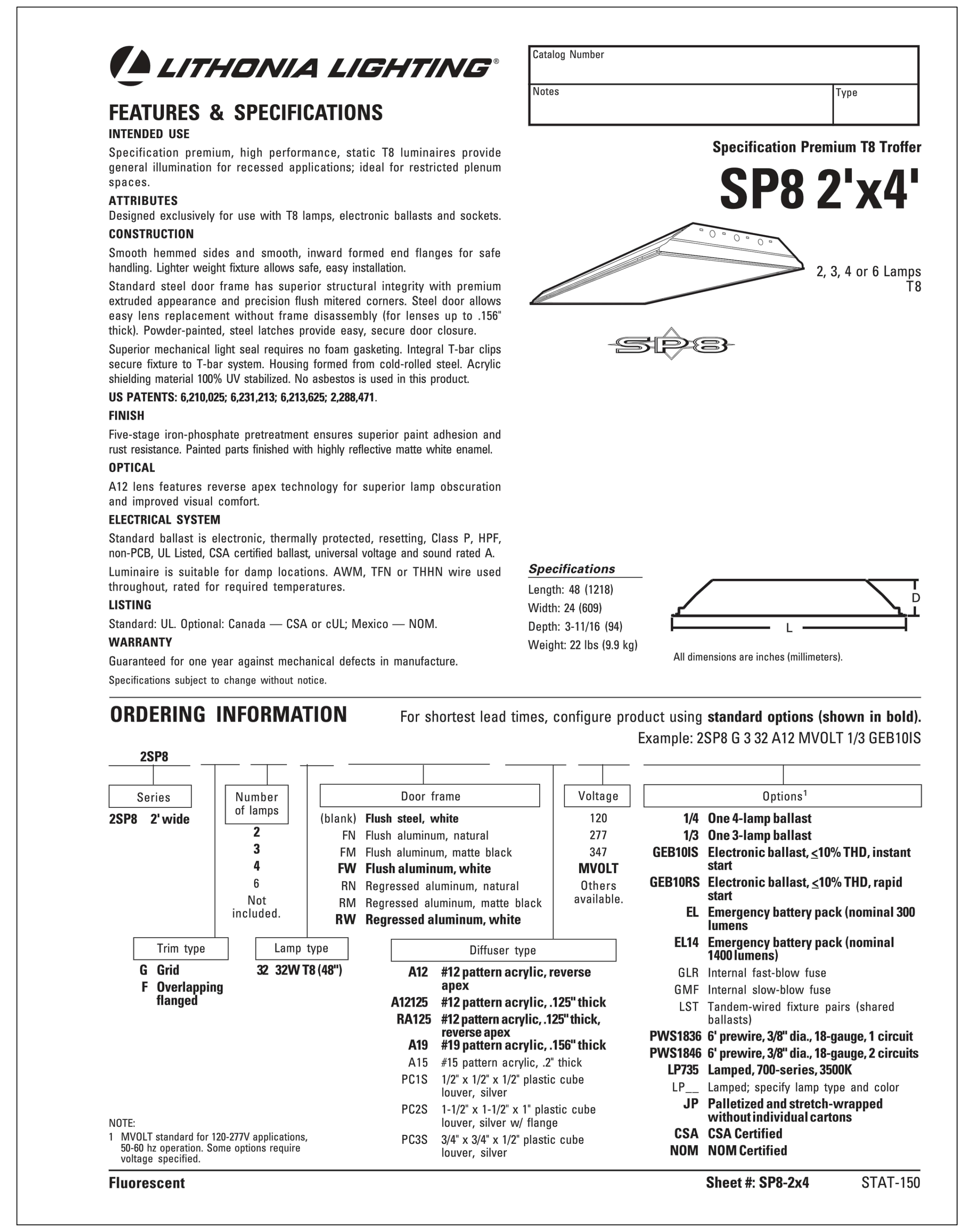
Drawing File: I:\15xx\15042.001\15042e00x.dwg 15042e001
Plotted by: Andrew Dec 17, 2015 – 3:32pm

LUMINAIRE SCHEDULE

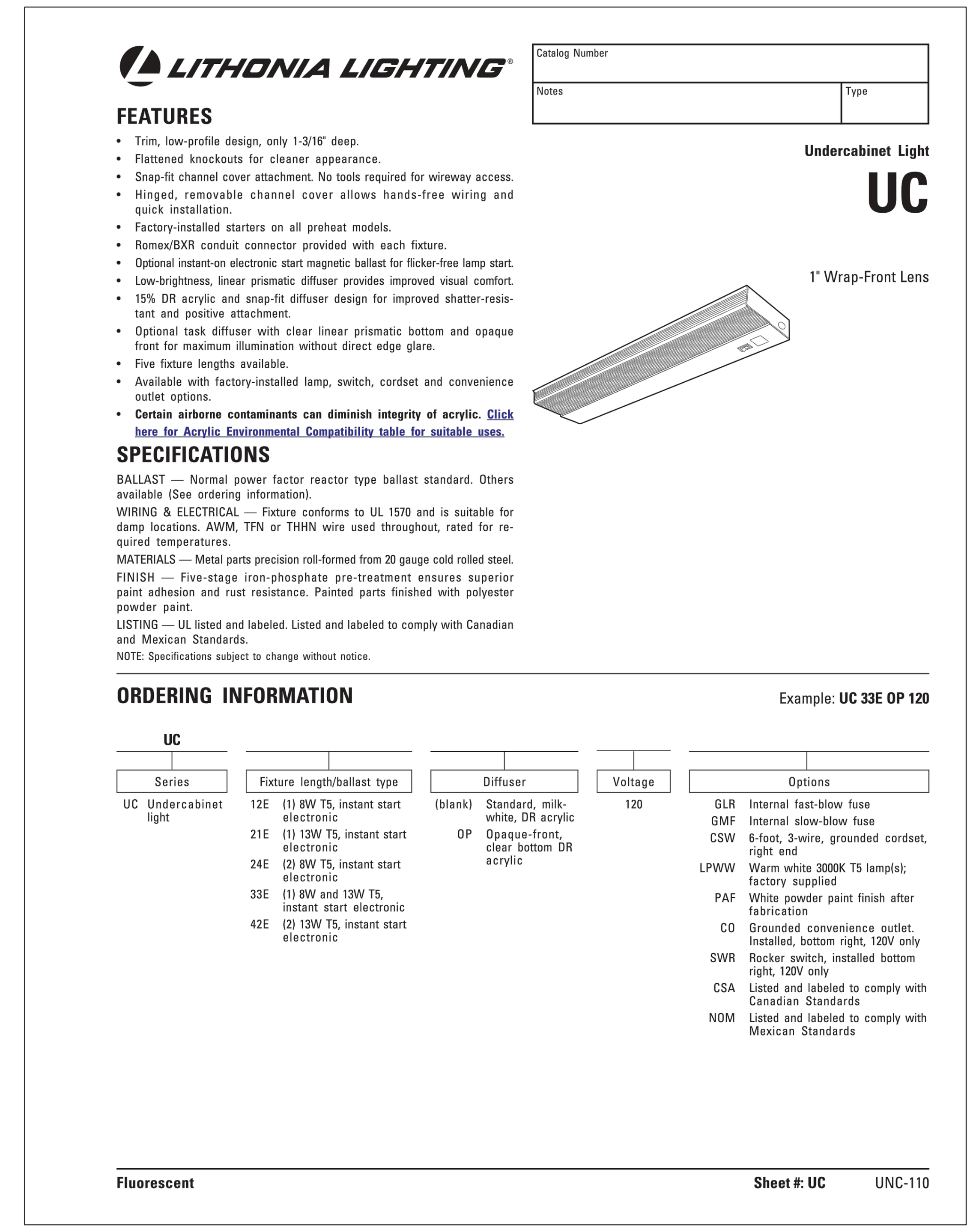
TYPE	DESCRIPTION	VOLTS	LAMP	BALLAST	MOUNTING
A	2'x4' RECESSED STATIC FLUORESCENT LUMINAIRE REGRESSED ALUMINUM DOOR, .125" LENS, SPECIFICATION GRADE. LITHONIA 2SP8G–232–RW–A12125–MVOLT–GLR, METALUX 2GC8–232A125–UNV–HR81–U, OR APPROVED EQUIVALENT	120	2–48" F32T8 & 4100K	PROGRAMMED RAPID START BALLASTS. PROVIDE WITH 0.88 BALLAST FACTOR. SEE SPECIFICATIONS	RECESSED CEILING GRID
A1	SAME AS TYPE 'A' EXCEPT EQUIPPED WITH EMERGENCY BATTERY BACKUP. LITHONIA 2SP8G–232–RW–A12125–MVOLT–GLR–EL14, METALUX 2GC8–232A125–UNV–HR81–EL1400–U, OR APPROVED EQUIVALENT	120	2–48" F32T8 & 4100K, 2–LAMP BATTERY PACK 1400 LUMENS	PROGRAMMED RAPID START BALLASTS. PROVIDE WITH 0.88 BALLAST FACTOR. SEE SPECIFICATIONS	RECESSED CEILING GRID
B	FLUORESCENT UNDER CABINET LUMINAIRE WITH ROCKER SWITCH. LITHONIA UC–42E–120, METALUX UC42T5213, OR APPROVED EQUIVALENT	120	2–13W T5	INSTANT START BALLAST	UNDER CABINET
C	6" OPEN REFLECTOR, LED DOWNLIGHT WITH WHITE TRIM. LITHONIA LDN6–40/20–L06–WR–120–SF, METALUX PD620ED010–PDM6A840–61VCWF, OR APPROVED EQUIVALENT	120	LED 2000 LUMENS, 4000K	LED DRIVER	RECESSED
X	EXIT LIGHT , SINGLE OR TWIN FACED, UNIVERSAL ARROWS, UNIVERSAL MOUNTING, LED SOURCE, WHITE THERMOPLASTIC FACE WITH RED LETTERS, DUAL VOLTAGE. LITHONIA CAT. #LQM–S–W–3–R–120/277–ELN, METALUX APX7R, OR APPROVED EQUIVALENT	120	LED	LED DRIVER	VARIES, SEE SPECS AND PLANS

NOTE:
ALL LUMINAIRES THAT ARE EQUIPPED WITH AN EMERGENCY BATTERY PACK SHALL HAVE TEST BUTTONS AND INDICATOR LIGHTS VISIBLE AND ACCESSIBLE FROM A FLOOR STANDING POSITION.

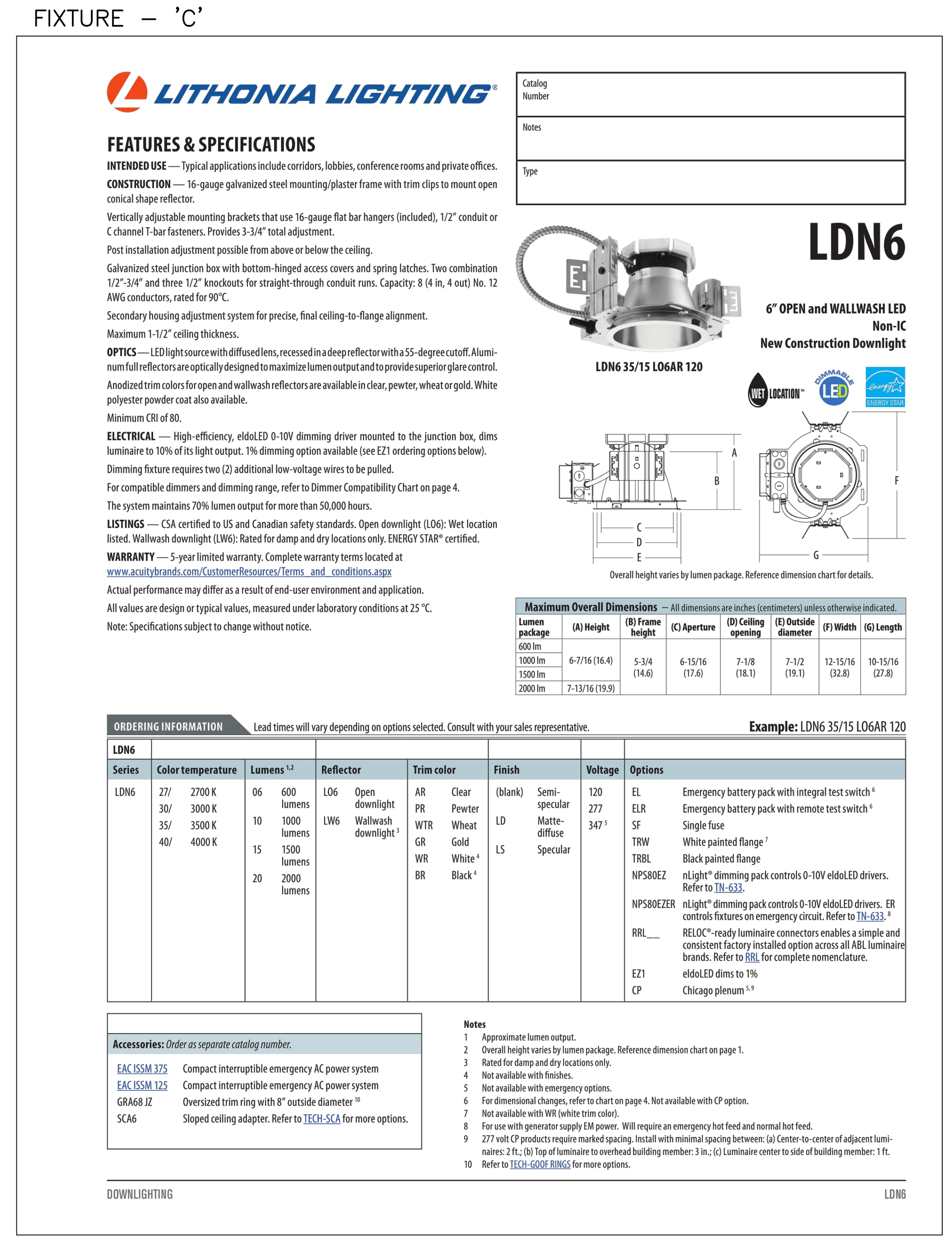
FIXTURE – 'A' & 'A1'



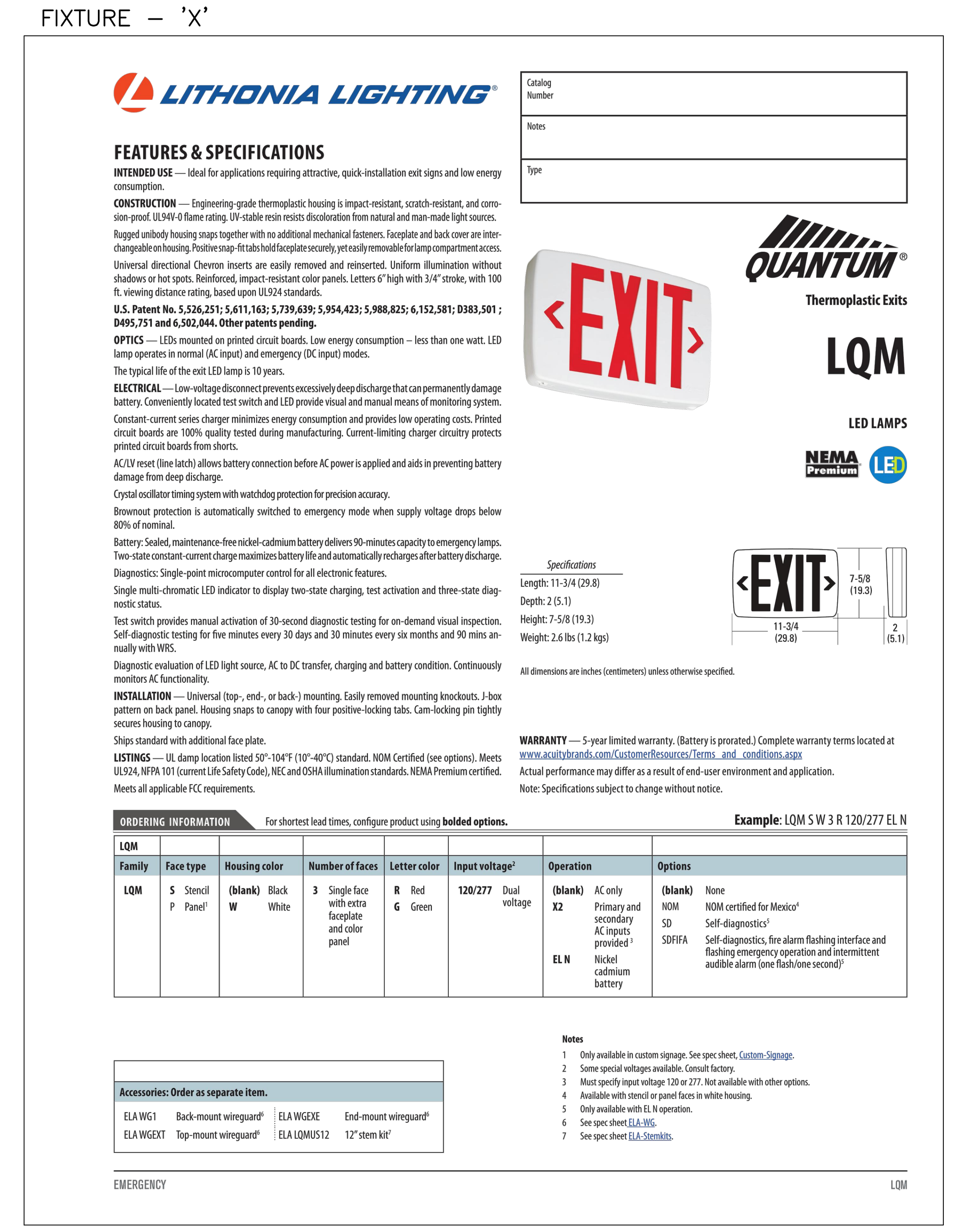
FIXTURE – 'B'



FIXTURE – 'C'



FIXTURE – 'X'



CUT SHEETS FOR REFERENCE ONLY

NOT TO SCALE

A1

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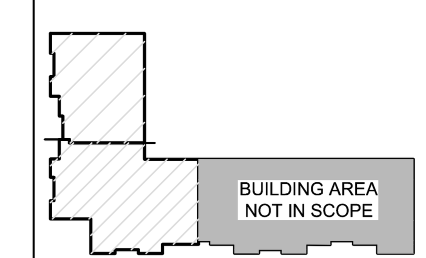

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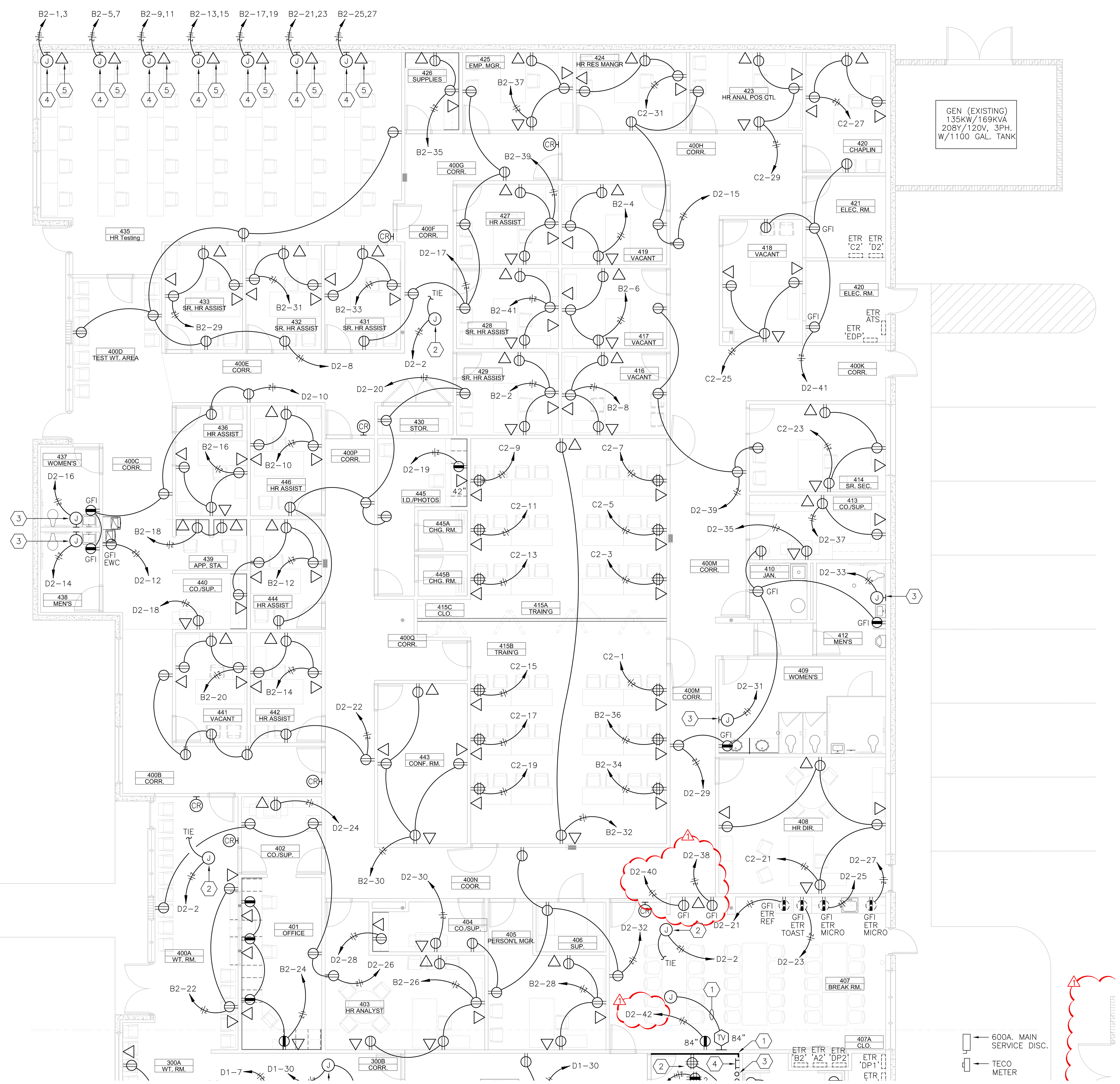
LUMINAIRE SCHEDULE AND CUTSHEETS

E002

Drawing File: I:\15xxx\15042.00\1\15042e00x.dwg 15042e002
Plotted by: Andrew Dec 17, 2015 – 3:32pm



DRAWING NOTES:

1. PROVIDE JUNCTION BOX AND EXTEND EXISTING COAX CABLING AS REQUIRED TO RELOCATE EXISTING TV OUTLET TO NEW LOCATION SHOWN.
2. PROVIDE JUNCTION BOX ABOVE CEILING FOR POWER CONNECTION TO CARD READER DOOR CONTROLLERS. CARD READERS TO BE INSTALLED BY OTHERS.
3. PROVIDE JUNCTION BOX FOR CONNECTION TO OWNER SUPPLIED HAND DRYER. FIELD VERIFY EXACT LOCATION WITH ARCHITECT. COORDINATE ELECTRICAL REQUIREMENTS WITH ACTUAL EQUIPMENT SUPPLIED PRIOR TO INSTALLATION.
4. PROVIDE JUNCTION BOX FOR POWER CONNECTION TO FUTURE OWNER SUPPLIED FURNITURE. ROUTE 2 #12, 1 #12 NEUTRAL & 1 #12 E.G. – 3/4" CONDUIT TO CIRCUITS INDICATED AND COIL 6 FOOT OF POWER CONDUCTORS INSIDE JUNCTION BOX FOR FUTURE CONNECTION. PROVIDE COVERPLATE AND LABEL TO IDENTIFY FEEDING CIRCUITS.
5. PROVIDE 1-1/4" CONDUIT STUBBED UP INTO CEILING SPACE WITH DATA OUTLET.

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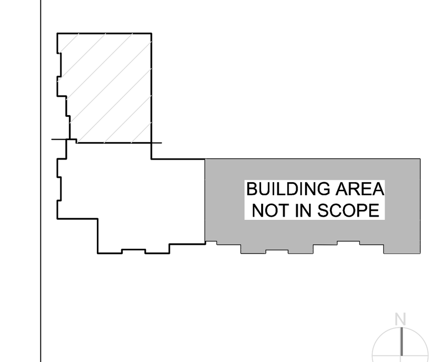

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POWER AND SYSTEMS PLAN

POWER AND SYSTEMS PLAN A4
1/8" = 1'-0"

E201

Drawing File: I:\15xx\15042.001\15042e20x.dwg E201
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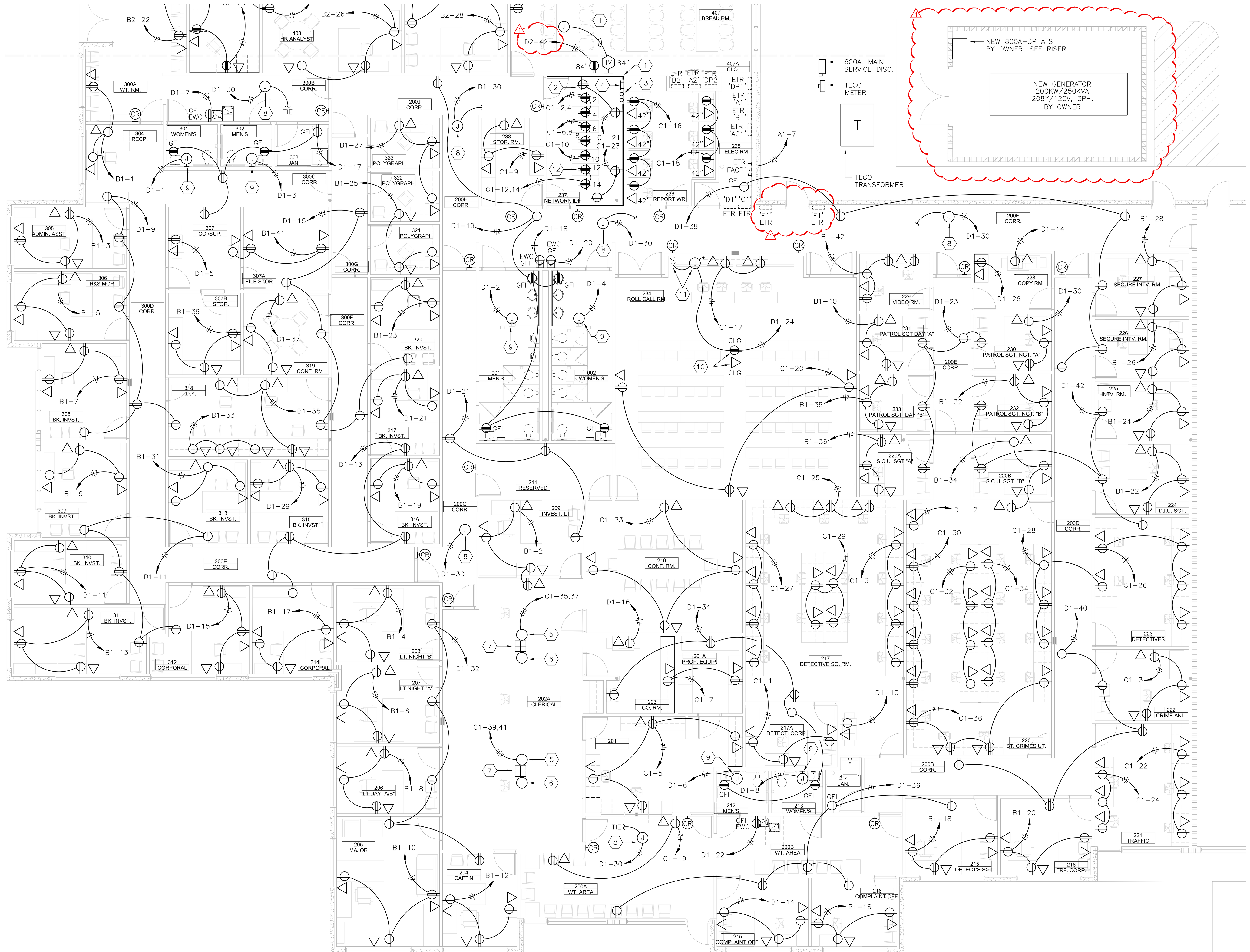

DRAWING NOTES:

1. PROVIDE 3/4" PLYWOOD BACKBOARD PAINTED ON ALL (6) SIDES WITH FIRE RETARDANT PAINT. MOUNT AS SHOWN ALONG LENGTH OF DATA ROOM WALL. INSTALL AT 8" A.F.F. TO CEILING.
2. INSTALL RECEPTACLES ON WALL BELOW PLYWOOD BACKBOARD AT 6" A.F.F. TO CENTER. TYPICAL OF 4.
3. STUB (2) 2" CONDUITS WITH INSULATING BUSHINGS INTO ROOM AT 6" BELOW CEILING AND ROUTE TO EXISTING BUILDING TELEPHONE SERVICE.
4. PROVIDE COPPER GROUND BAR. MOUNT BELOW PLYWOOD BACKBOARD.
5. PROVIDE POWER POLE AND 4"x4" JUNCTION BOX ABOVE CEILING FOR REQUIRED POWER CIRCUITS TO SYSTEMS FURNITURE. PROVIDE FLEXIBLE CONDUIT WHIPS AS NECESSARY FOR CONNECTION TO SYSTEMS FURNITURE. COORDINATE WITH OWNER'S FURNITURE REPRESENTATIVE FOR REQUIREMENTS. PROVIDE #10 AWG NEUTRALS.
6. PROVIDE POWER POLE AND 4"x4" JUNCTION BOX ABOVE CEILING FOR REQUIRED VOICE/DATA CIRCUITS TO SYSTEMS FURNITURE. CABLING WILL BE PROVIDED BY OWNER. PROVIDE FLEXIBLE CONDUIT WHIPS AS NECESSARY FOR CONNECTION TO SYSTEMS FURNITURE. COORDINATE WITH OWNER'S FURNITURE REPRESENTATIVE FOR REQUIREMENTS.
7. COORDINATE EXACT LOCATION OF POWER POLES WITH LIGHTING LAYOUT.
8. PROVIDE JUNCTION BOX ABOVE CEILING FOR POWER CONNECTION TO CARD READER DOOR CONTROLLERS. CARD READERS TO BE PROVIDED AND INSTALLED BY OTHERS.
9. PROVIDE JUNCTION BOX AND CONNECTION TO OWNER SUPPLIED HAND DRYER. FIELD VERIFY EXACT LOCATION WITH ARCHITECT. COORDINATE ELECTRICAL REQUIREMENTS WITH ACTUAL EQUIPMENT SUPPLIED PRIOR TO INSTALLATION.
10. PROVIDE RECEPTACLE AND DATA OUTLET IN CEILING AND CONNECTION TO CEILING MOUNTED PROJECTOR. SEE PROJECTOR CEILING PLATE DETAIL ON SHEET E701. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
11. PROVIDE JUNCTION BOX AND CONNECTION CEILING MOUNTED PROJECTOR SCREEN. CONTROL VIA CONTRACTOR PROVIDED MOMENTARY ON-OFF SWITCH AS SHOWN. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
12. MOUNT QUAD RECEPTACLE AT TOP OF RACKS OR ON OWNER PROVIDED LADDER TRAY. COORDINATE EXACT LOCATIONS AND INSTALLATION WITH OWNER. TYPICAL OF 7.

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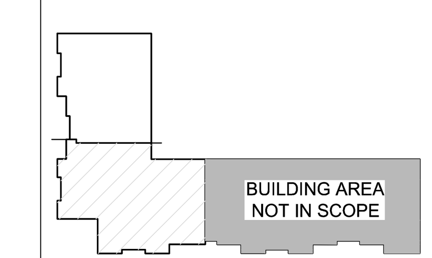

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POWER AND SYSTEMS PLAN

POWER AND SYSTEMS PLAN
1/8" = 1'-0"
A4

E202

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

										COMBINATION STARTER/DISCONNECT SWITCH					
MARK	ROOM NO.	VOLTAGE/PHASE	KW	HEATER FLA	FLA	MCA	BREAKER	HOMERUN CIRCUIT	CONDUIT & CABLING	SIZE AMPS	POLES	FUSE	STARTER SIZE	NEMA RATING	INTERLOCK/REMARKS
ROOFTOP UNIT															
RT–1	–	208/3	–	33.4	38.6	47.0	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–2	–	208/3	–	33.4	38.6	47.0	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–3	–	208/3	–	33.4	38.6	47.0	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–4	–	208/3	–	33.4	38.6	47.0	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–5	–	208/3	–	13.6	21.1	24.5	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–6	–	208/3	–	33.4	39.2	37.6	60 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–7	–	208/3	–	–	28.8	34.7	40 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–8	–	208/3	–	21.9	28.8	34.7	40 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–9	–	208/3	–	21.7	34.7	38.1	60 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–10	–	208/3	–	25.0	29.0	35.2	40	ETR	3 #8, 1 #10 E.G. – 3/4"C.	DIV15	DIV15	MFS	N/A	DIV15	–
RT–11	–	208/3	–	25.0	29.0	35.2	40	ETR	3 #8, 1 #10 E.G. – 3/4"C.	DIV15	DIV15	MFS	N/A	DIV15	–
RT–12	–	208/3	–	33.4	38.6	47.0	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–13	–	208/3	–	13.6	20.2	24.0	40 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–14	–	208/3	–	33.4	38.3	46.6	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A		–
RT–15	–	208/3	–	33.4	39.2	47.5	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
RT–16	–	208/3	–	25.0	29.0	35.2	40	ETR	3 #8, 1 #10 E.G. – 3/4"C.	DIV15	DIV15	MFS	N/A	DIV15	–
RT–17	–	208/3	–	33.4	38.3	46.5	50 (ETR)	ETR	ETR	ETR	ETR	MFS	N/A	3	–
ELECTRIC WATER HEATER															
EWH–1	–	208/1	3.0	–	14.4	18.0	20	D1–35,37	2 #12, 1 #12 E.G. – 3/4"C.	20	2	–	N/A	1	20A–2P MRS
EWH–2	–	208/3	6.0	–	16.6	20.8	30	D1–29,31,33	3 #10, 1 #10 E.G. – 3/4"C.	30	3	–	N/A	1	–
AIR HANDLERS															
AH1	–	208/3		31.9	45.9	57.4	60	–	3 #4, 1 #8 E.G. – 1"C.	60	3	MFS	N/A	1	
AH2	–	208/3		31.9	45.9	57.4	60	–	3 #4, 1 #8 E.G. – 1"C.	60	3	MFS	N/A	1	
CONDENSING UNITS															
CU1	–	208/3	–	–	35.6	44.5	60	–	3 #4, 1 #8 E.G. – 1"C.	60	3	MFS	N/A	3	–
CU2	–	208/3	–	–	35.6	44.5	60	–	3 #4, 1 #8 E.G. – 1"C.	60	3	MFS	N/A	3	
EXHAUST FAN															
EF–1	–	120/1	.08	–	–	–	–	ETR	ETR	DIV15	–	–	–	–	SWITCHED LEG/LOCAL LIGHTS
EF–2	–	120/1	.08	–	–	–	–	ETR	ETR	DIV15	–	–	–	–	SWITCHED LEG/LOCAL LIGHTS
EF–3	–	120/1	.08	–	–	–	–	ETR	ETR	DIV15	–	–	–	–	SWITCHED LEG/LOCAL LIGHTS
EF–4	–	120/1	.08	–	–	–	–	ETR	ETR	DIV15	–	–	–	–	SWITCHED LEG/LOCAL LIGHTS
EF–5	–	120/1	0.1	–	–	–	–	ETR	ETR	DIV15	–	–	–	–	SWITCHED LEG/LOCAL LIGHTS

MECHANICAL CONNECTION SCHEDULE ABBREVIATIONS:

MFS = MANUFACTURER'S RECOMMENDED FUSE SIZE
NF = NON–FUSED
MRS = MOTOR RATED TOGGLE SWITCH BY DIVISION 16
DIV15 = DISCONNECTING MEANS PROVIDED BY THE EQUIPMENT MANUFACTURER OR DIVISION 15 CONTRACTOR
VFD = VARIABLE FREQUENCY DRIVE (FURNISHED BY DIVISION 15) INSTALLED BY DIVISION 16
ETR = EXISTING TO REMAIN

MECHANICAL EQUIPMENT PLAN
1/8" = 1'-0"

A4

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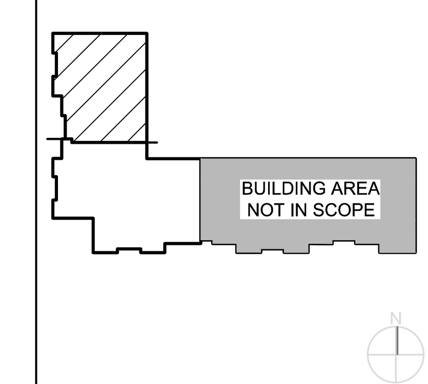

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MECHANICAL
EQUIPMENT PLAN

E401

Drawing File: I:\15xx\15042.001\15042e40x.dwg E401
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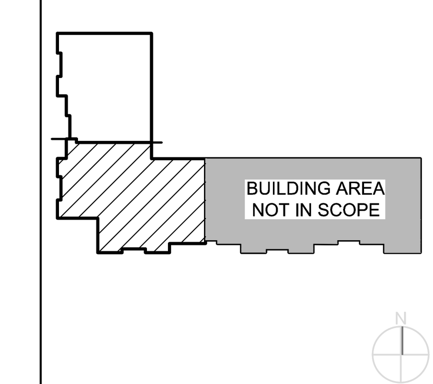

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MECHANICAL EQUIPMENT PLAN

E402

MECHANICAL EQUIPMENT PLAN
1/8" = 1'-0"
0' 4' 8' 16'
A4

N

Drawing File: I:\15xxx\15042.00\15042e40x.dwg E402
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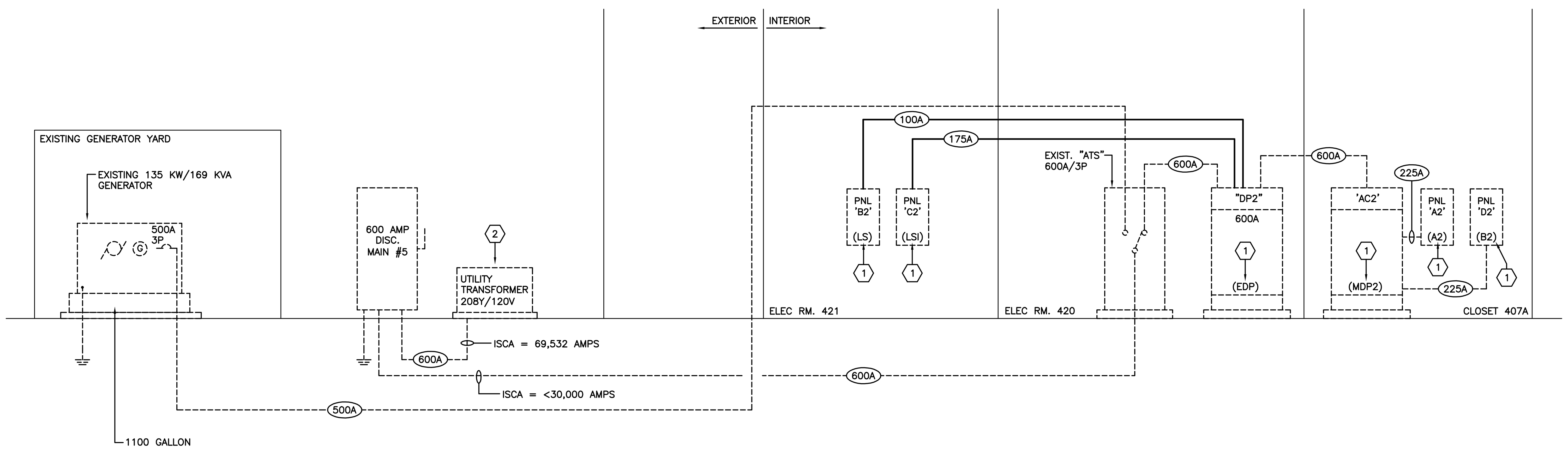


NEW RISER DIAGRAM – HUMAN RESOURCES

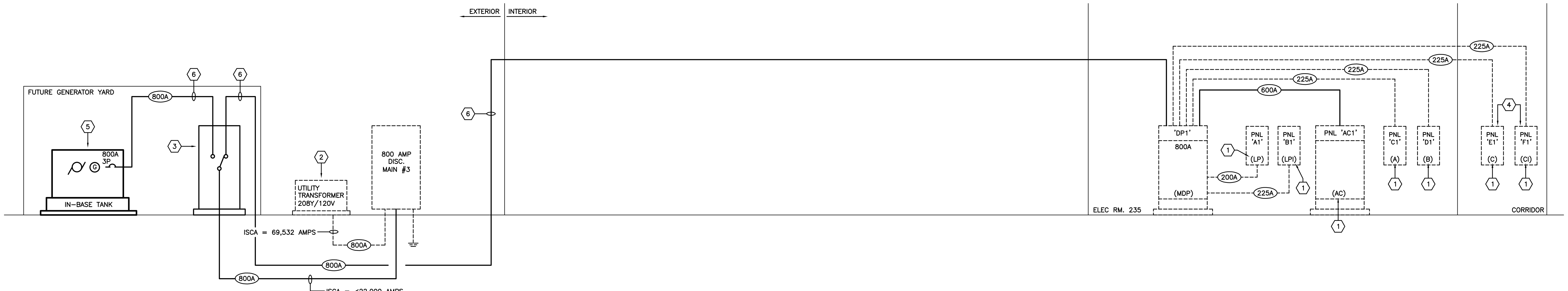
NOT TO SCALE

DRAWING NOTES:

1. REUSE EXISTING PANEL AS INDICATED.
2. CONTACT TAMPA ELECTRIC AND SCHEDULE DOWNTIME ON TRANSFORMER FOR REMOVAL OF OLD SERVICE AND INSTALLATION OF NEW.
3. OWNER FURNISHED/OWNER INSTALLED 800A, NEMA 3R, 3 POLE, AUTOMATIC TRANSFER SWITCH, WITH SOLID NEUTRAL. SEE SPECIFICATION 16225.
4. SPARE PANELS, NOT USED.
5. OWNER FURNISHED/OWNER INSTALLED 200KW/250KVA NEW DIESEL ENGINE DRIVEN GENERATOR WITH 150 MPH MISSILE IMPACT CRITICALLY SILENCED ENCLOSURE, AND IN-BASE FUEL TANK SIZED FOR 100% LOAD FOR 72 HOURS. SYSTEM SHALL NOT BE A SEPARATELY DERIVED SYSTEM. SEE SPECIFICATION 16200.
6. PROVIDE ALL NEW FEEDERS. COORDINATE INSTALLATION WITH OWNER PROVIDED EQUIPMENT.

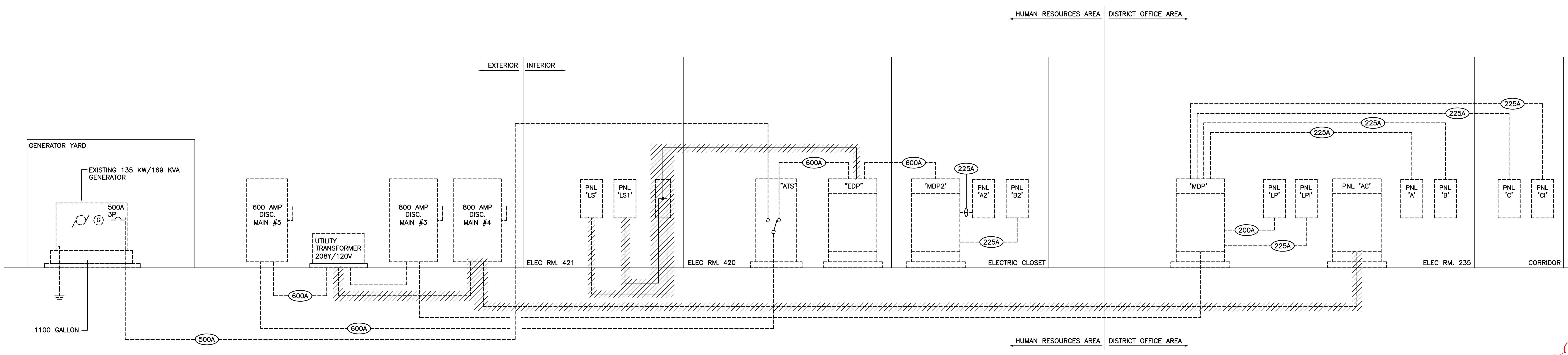
FEEDER SCHEDULE

AMPS	CONDUIT & CABLING
100A	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
150A	2"C; 3-#1/0, 1-#1/0 NEUTRAL, 1-#6 GROUND
175A	2"C; 3-#2/0, 1-#2/0 NEUTRAL, 1-#6 GROUND
200A	2"C; 3-#3/0, 1-#3/0 NEUTRAL, 1-#6 GROUND
225A	2-1/2"C; 3-#4/0, 1-#4/0 NEUTRAL, 1-#4 GROUND
400A	TWO(2) 2"C; EACH WITH 3-#3/0, 1-#3/0 NEUTRAL, 1-#3 GROUND
500A	TWO(2) 3"C; EACH WITH 3-#250 KCMIL, 1-#250 KCMIL NEUTRAL, 1-#2 GROUND
600A	TWO(2) 3-1/2"C; EACH WITH 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL, 1-#1 GROUND
800A	THREE(3) 3"C; EACH WITH 3-#300 KCMIL, 1-#300 KCMIL NEUTRAL, 1-#1/0 GROUND
1200A	FOUR(4) 3-1/2"C; 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL, 1-#3/0 GROUND
1200B	FOUR(4) 3-1/2"C; 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL



NEW RISER DIAGRAM – DISTRICT OFFICE

NOT TO SCALE



DEMOLITION RISER DIAGRAM

NOT TO SCALE

CHANGES THROUGHOUT ENTIRE SHEET.

ELECTRICAL RISER DIAGRAMS
NOT TO SCALE
A4

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Plotted by: Andrew Dec 17, 2015 – 3:33pm

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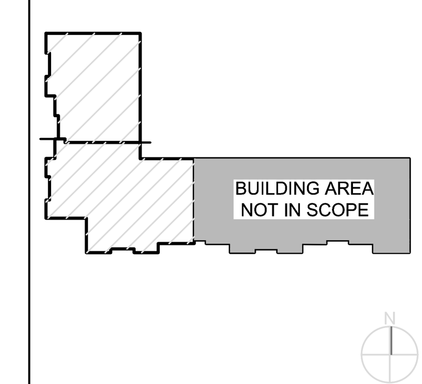
ROBERT C. ANSTON, P.E. 40858

TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE 2014 FLORIDA BUILDING CODE



HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S
DEPARTMENT RENOVATIONS
PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

DISTRIBUTION	DATE
CD CHECK SET	10/15/15
100% CONST. DOCS	11/16/15
1 ADDENDUM 01	12.16.15

ELECTRICAL RISER DIAGRAM

E501

EXISTING PANEL

PANEL: DP1 | AIC RATING: EXIST AMPS | SERVICE: 120/208 V., | 3PH,4W | MLO: 800 AMPS | MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
E	SPARE	0	3P	1				2	–	0	SPACE	
E	SPARE	0	200	3				4	–	0	SPACE	
E	SPARE	0	"	5				6	–	0	SPACE	
E	PNL C1	9.6	3P	7				8	3P	6.8	PNL A1	E
E	PNL C1	9.5	225	9				10	200	7	PNL A1	E
E	PNL C1	9.9	"	11				12	"	4.1	PNL A1	E
E	PNL D1	14.3	3P	13				14	3P	0	PNL E1	E
E	PNL D1	11.4	225	15				16	225	0	PNL E1	E
E	PNL D1	13.8	"	17				18	"	0	PNL E1	E
E	PNL B1	7.1	3P	19				20	3P	0	PNL F1	E
E	PNL B1	7	225	21				22	225	0	PNL F1	E
E	PNL B1	7	"	23				24	"	0	PNL F1	E
	SPACE	0	–	25				26	3P	53.4	PNL AC1	R
	SPACE	0	–	27				28	600	53.4	PNL AC1	R
	SPACE	0	–	29				30	"	53.4	PNL AC1	R
	SPACE	0	–	31				32	–	0	SPACE	
	SPACE	0	–	33				34	–	0	SPACE	
	SPACE	0	–	35				36	–	0	SPACE	
	SPACE	0	–	37				38	–	0	SPACE	
	SPACE	0	–	39				40	–	0	SPACE	
	SPACE	0	–	41				42	–	0	SPACE	

A PH = 91.20 | B PH = 88.30 | C PH = 88.20

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	0.00	x	*	=	0.00	x		=		
MISC EQUIP	0.00	x	1.00	=	0.00	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	267.70	x	1.00	=	267.70	x		=		
SPARE					20.17					
TOTALS	267.70 KVA				287.87 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: AC1 | AIC RATING: EXIST AMPS | SERVICE: 120/208 V., | 3PH,4W | MLO: 600 AMPS | MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
D	HEAT; AH2	5.5	3P	1				2	3P	4.3	A/C; CU2	D
D	HEAT; AH2	5.5	60	3				4	60	4.3	A/C; CU2	D
D	HEAT; AH2	5.5	"	5				6	"	4.3	A/C; CU2	D
S	SPARE	0	3P	7				8	3P	3	EQ; RT7	E
S	SPARE	0	40	9				10	40	3	EQ; RT7	E
S	SPARE	0	"	11				12	"	3	EQ; RT7	E
E	EQ; RT17	4.6	3P	13				14	3P	4.6	EQ; RT1	E
E	EQ; RT17	4.6	50	15				16	50	4.6	EQ; RT1	E
E	EQ; RT17	4.6	"	17				18	"	4.6	EQ; RT1	E
S	SPARE	0	3P	19				20	3P	4.6	EQ; RT2	E
S	SPARE	0	50	21				22	50	4.6	EQ; RT2	E
S	SPARE	0	"	23				24	"	4.6	EQ; RT2	E
E	EQ; RT3	4.6	3P	25				26	3P	4.6	EQ; RT4	E
E	EQ; RT3	4.6	50	27				28	50	4.6	EQ; RT4	E
E	EQ; RT3	4.6	"	29				30	"	4.6	EQ; RT4	E
R	HEAT; AH1	5.5	3P	31				32	3P	3.2	EQ; RT5	E
R	HEAT; AH1	5.5	60	33				34	60	3.2	EQ; RT5	E
R	HEAT; AH1	5.5	"	35				36	"	3.2	EQ; RT5	E
R	A/C;CU1	4.3	3P	37				38	3P	4.6	EQ; RT6	E
R	A/C;CU1	4.3	60	39				40	60	4.6	EQ; RT6	E
R	A/C;CU1	4.3	"	41				42	"	4.6	EQ; RT6	E

A PH = 53.40 | B PH = 53.40 | C PH = 53.40

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	0.00	x	*	=	0.00	x		=		
MISC EQUIP	101.40	x	1.00	=	101.40	x		=		
A/C	25.80	x	1.00	=	25.80	x		=		
HEATING	33.00	x	1.00	=	33.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					55.70					
TOTALS	160.20 KVA				215.90 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: A1 | AIC RATING: EXIST AMPS | SERVICE: 120/208 V., | 3PH,4W | MLO: 200 AMPS | MCB: 0 AMPS

DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION
LTG; SR OFFICES	1.3	20	1				2	20	1	LTG; DO CORR.
LTG; SR CORR.	1.1	20	3				4	20	1.4	LTG; DO NETWORK/ELEC
LTG; SR CORR.	0.6	20	5				6	20	1.2	LTG; DO ROLL CALL
EQ; FACP	0.4	20	7				8	20	1.4	LTG; DO OFFICES/CORR.
LTG; SR OFFICES	1.3	20	9				10	20	1.4	LTG; DO OFFICES
SPACE	0	–	11				12	20	1.3	LTG; DO STREET CRIME
SPACE	0	–	13				14	20	1.4	LTG; DO DETECTIVE
SPACE	0	–	15				16	20	1	LTG; DO OFFICES
SPACE	0	–	17				18	20	1	LTG; DO CONF/CLERICAL
SPACE	0	–	19				20	20	1.3	LTG; DO CORR.
SPACE	0	–	21				22	20	0.8	LTG; DO OFFICES
SPACE	0	–	23				24	20	0	SPARE
SPACE	0	–	25				26	20	0	SPARE
SPACE	0	–	27				28	20	0	SPARE
SPACE	0	–	29				30	20	0	SPARE
SPACE	0	–	31				32	20	0	SPARE
SPACE	0	–	33				34	20	0	SPARE
SPACE	0	–	35				36	20	0	SPARE
SPACE	0	–	37				38	20	0	SPARE
SPACE	0	–	39				40	20	0	SPARE
SPACE	0	–	41				42	20	0	SPARE

A PH = 6.80 | B PH = 7.00 | C PH = 4.10

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	17.50	x	1.25	=	21.88	x		=		
RECEPT	0.00	x	*	=	0.00	x		=		
MISC EQUIP	0.40	x	1.00	=	0.40	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					49.69					
TOTALS	17.90 KVA				71.97 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: B1 | AIC RATING: EXIST AMPS | SERVICE: 120/208 V., | 3PH,4W | MLO: 225 AMPS | MCB: 0 AMPS

DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION
REC; SR OFFICE	0.4	20	1				2	20	0.7	REC; DO OFFICE
REC; SR OFFICE	0.5	20	3				4	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	5				6	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	7				8	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	9				10	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	11				12	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	13				14	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	15				16	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	17				18	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	19				20	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	21				22	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	23				24	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	25				26	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	27				28	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	29				30	20	0.5	REC; DO OFFICE
REC; SR OFFICE	0.5	20	31				32	20	0.5	REC; DO OFFICE
REC; SR T.D.Y.	0.5	20	33				34	20	0.5	REC; DO OFFICE
REC; SR T.D.Y.	0.5	20	35				36	20	0.5	REC; DO OFFICE
REC; SR CONFERENCE	0.5	20	37				38	20	0.5	REC; DO OFFICE
REC; SR STORAGE	0.5	20	39				40	20	0.5	REC; DO OFFICE
REC; SR FILE STORAGE	0.5	20	41				42	20	0.5	REC; DO VIDEO ROOM

A PH = 7.10 | B PH = 7.00 | C PH = 7.00

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	21.10	x	*	=	15.55	x		=		
MISC EQUIP	0.00	x	1.00	=	0.00	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					65.41					
TOTALS	21.10 KVA				80.96 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: C1 | AIC RATING: EXIST AMPS | SERVICE: 120/208 V., | 3PH,4W | MLO: 225 AMPS | MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	E
D	REC; DO OFFICES	0.5	20	1				2	20	1.2	EQ; DATA RACK	E
D	REC; DO OFFICES	0.5	20	3				4	20	1.2	EQ; DATA RACK	E
E	REC; DO RM 201	0.7	20	5				6	20	1.2	EQ; DATA RACK	E
E	REC; DO STORAGE RM	0.4	20	7				8	20	1.2	EQ; DATA RACK	E
D	REC; DO STORAGE RM	0.5	20	9				10	20	1.2	EQ; DATA RACK	N
D	REC; DO OFFICES	0.5	20	11				12	20	1.2	EQ; DATA RACK	E
E	REC; DO OFFICES	0.5	20	13				14	20	1.2	EQ; DATA RACK	E
E	REC; DO OFFICES	0.5	20	15				16	20	0.5	REC; DO REPORT WR	E
E	REC; DO ROLL CALL	0.5	20	17				18	20	0.7	REC; DO REPORT WR	E
E	REC; DO WT AREA	0.4	20	19				20	20	0.5	REC; DO ROLL CALL	N
N	REC; DO TELE BOARD	0.7	20	21				22	20	0.5	REC; DO TRAFFIC	N
E	REC; DO TELE BOARD	0.7	20	23				24	20	0.5	REC; DO TRAFFIC	N
N	REC; DO DETECTIVE SQ.	0.7	20	25				26	20	0.7	REC; DO DETECTIVES	N
N	REC; DO DETECTIVE SQ.	0.7	20	27				28	20	0.9	REC; DO STREET CRIME	N
N	REC; DO DETECTIVE SQ.	0.7	20	29				30	20	0.7	REC; DO STREET CRIME	N
N	REC; DO DETECTIVE SQ.	0.7	20	31				32	20	0.7	REC; DO STREET CRIME	N
N	REC; DO CONFERENCE	0.7	20	33				34	20	0.7	REC; DO STREET CRIME	N
N	REC; CLERICAL PWR POLE	0.9	20	35				36	20	0.7	REC; DO STREET CRIME	N
E	REC; CLERICAL PWR POLE	0.9	20	37				38	20	0	SPARE	E
E	REC; CLERICAL PWR POLE	0.9	20	39				40	20	0	SPARE	E
N	REC; CLERICAL PWR POLE	0.9	20	41				42	20	0	SPARE	N

A PH = 9.60 | B PH = 9.50 | C PH = 9.90

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	20.60	x	*	=	15.30	x		=		
MISC EQUIP	8.40	x	1.00	=	8.40	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					57.26					
TOTALS	29.00 KVA				80.96 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: D1 | AIC RATING: EXIST AMPS | SERVICE: 120/208 V., | 3PH,4W | MLO: 225 AMPS | MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
E	EQ; HAND DRYER SR	1.5	20	1				2	20	1.5	EQ; HAND DRYER DO	N
E	EQ; HAND DRYER SR	1.5	20	3				4	20	1.5	EQ; HAND DRYER DO	E
N	REC; COPIER	1	20	5				6	20	1.5	EQ; HAND DRYER DO	N
N	EQ; EWC	0.5	20	7				8	20	1.5	EQ; HAND DRYER DO	E
E	REC; GEN PURPOSE	0.9	20	9				10	20	1	REC; COPIER	E
E	REC; GEN PURPOSE	0.9	20	11				12	20	1	REC; COPIER	E
E	REC; GEN PURPOSE	0.9	20	13				14	20	1	REC; COPIER	E
E	REC; GEN PURPOSE	1.1	20	15				16	20	1	REC; COPIER	E
E	REC; GEN PURPOSE	0.9	20	17				18	20	0.5	EQ; EWC	E
E	REC; GEN PURPOSE	1.1	20	19				20	20	0.5	EQ; EWC	E
E	REC; GEN PURPOSE	0.5	20	21				22	20	0.5	EQ; EWC	E
E	REC; GEN PURPOSE	0.9	20	23				24	20	1	REC; PROJ/SCREEN	E
E	SPARE	0	20	25				26	20	0.5	REC; PRINTER	E
E	SPARE	0	20	27				28	20	0	SPARE	E
N	EQ; EWH–2	2	3P	29				30	20	1	EQ; DOOR CONTROLLERS	E
N	EQ; EWH–2	2	30	31				32	20	0.9	REC; GEN PURPOSE	E
N	EQ; EWH–2	2	"	33				34	20	0.7	REC; GEN PURPOSE	E
N	EQ; EWH–1	1.5	2P	35				36	20	0.7	REC; GEN PURPOSE	E
N	EQ; EWH–1	1.5	20	37				38	20	0.9	REC; GEN PURPOSE	E
S	SPARE	0	20	39				40	20	0.7	REC; GEN PURPOSE	E
S	SPARE	0	20	41				42	20	0.9	REC; GEN PURPOSE	E

A PH = 14.30 | B PH = 11.40 | C PH = 13.80

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	18.50	x	*	=	14.25	x		=		
MISC EQUIP	21.00	x	1.00	=	21.00	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					45.71					
TOTALS	39.50 KVA				80.96 KVA					

* PER N.E.C. TABLE 220.44

ALL PANELBOARDS SHALL BE ACCURATELY LABELED AND NUMBERED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED, THEIR LOAD AND LOCATION.

E = EXISTING CIRCUIT TO REMAIN.
N = NEW BREAKER AND CIRCUIT.
R = REUSE EXISTING CIRCUIT BREAKER TO FEED NEW CIRCUIT.
S = SPARE OUT EXISTING BREAKER. REMOVE ALL ABANDONED CONDUCTORS AND CONDUIT.
D = REMOVE EXISTING CIRCUIT BREAKER AND PROVIDE NEW BREAKER, CONDUIT AND WIRE.
DS = REMOVE EXISTING CIRCUIT BREAKER AND PROVIDE NEW SPARE BREAKER.

ELECTRICAL PANEL SCHEDULES
NOT TO SCALE
A4

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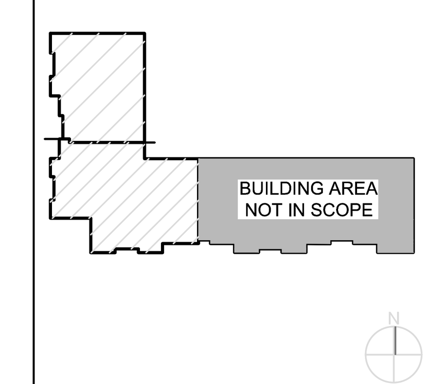
ROBERT C. ANSTON, P.E. 40858

TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE 2014 FLORIDA BUILDING CODE



HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S
DEPARTMENT RENOVATIONS
PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

DISTRIBUTION	DATE
CD CHECK SET	10/15/15
100% CONST. DOCS	11/16/15
ADDENDUM 01	12.16.15

ELECTRICAL PANEL SCHEDULES

E601

Drawing File: I:\15xx\15042.00\15042e60x.dwg E601
Plotted by: Andrew Dec 17, 2015 – 3:53pm

EXISTING PANEL

PANEL: DP2 — AIC RATING: EXIST AMPS — SERVICE: 120/208 V., — 3PH,4W — MLO: 0 AMPS — MCB: 600 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
E	EQ; RT15	4.6	3P	1				2	3P	0	EQ; RT16	N
E	EQ; RT15	4.6	50	3				4	40	0	EQ; RT16	N
E	EQ; RT15	4.6	"	5				6	"	0	EQ; RT16	N
D	PNL B2	6.4	3P	7				8	3P	0	SPD	E
D	PNL B2	6.3	100	9				10	70	0	SPD	E
D	PNL B2	6.7	"	11				12	"	0	SPD	E
	SPACE	0	–	13				14	–	0	SPACE	
	SPACE	0	–	15				16	–	0	SPACE	
E	PNL AC2	27.4	3P	17				18	–	0	SPACE	
E	PNL AC2	27.4	600	19				20	–	0	SPACE	
E	PNL AC2	27.4	"	21				22	–	0	SPACE	
R	PNL C2	3.8	3P	23				24	–	0	SPACE	
R	PNL C2	3.3	175	25				26	–	0	SPACE	
R	PNL C2	3.1	"	27				28	–	0	SPACE	
	SPACE	0	–	29				30	–	0	SPACE	
	SPACE	0	–	31				32	–	0	SPACE	
	SPACE	0	–	33				34	–	0	SPACE	
	SPACE	0	–	35				36	–	0	SPACE	
	SPACE	0	–	37				38	–	0	SPACE	
	SPACE	0	–	39				40	–	0	SPACE	
	SPACE	0	–	41				42	–	0	SPACE	

A PH = 41.70 — B PH = 41.40 — C PH = 42.50

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	0.00	x	*	=	0.00	x		=		
MISC EQUIP	13.80	x	1.00	=	13.80	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	111.80	x	1.00	=	111.80	x		=		
SPARE					90.30					
TOTALS	125.60 KVA				215.90 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: AC2 — AIC RATING: EXIST AMPS — SERVICE: 120/208 V., — 3PH,4W — MLO: 600 AMPS — MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
E	SPARE	0	3P	1				2	3P	4.2	EQ; RT9	E
E	SPARE	0	60	3				4	60	4.2	EQ; RT9	E
E	SPARE	0	"	5				6	"	4.2	EQ; RT9	E
E	SPARE	0	3P	7				8	3P	4.6	EQ; RT12	E
E	SPARE	0	50	9				10	50	4.6	EQ; RT12	E
E	SPARE	0	"	11				12	"	4.6	EQ; RT12	E
E	EQ; RT14	4.6	3P	13				14	3P	4.6	EQ; RT8	E
E	EQ; RT14	4.6	50	15				16	40	4.6	EQ; RT8	E
E	EQ; RT14	4.6	"	17				18	"	4.6	EQ; RT8	E
E	EQ; RT13	2.4	3P	19				20	–	0	SPACE	
E	EQ; RT13	2.4	40	21				22	–	0	SPACE	
E	EQ; RT13	2.4	"	23				24	–	0	SPACE	
N	EQ; RT10	3.5	3P	25				26	3P	3.5	EQ; RT11	N
N	EQ; RT10	3.5	40	27				28	40	3.5	EQ; RT11	N
N	EQ; RT10	3.5	"	29				30	"	3.5	EQ; RT11	N
	SPACE	0	–	31				32	–	0	SPACE	
	SPACE	0	–	33				34	–	0	SPACE	
	SPACE	0	–	35				36	–	0	SPACE	
E	PNL A2	5.55	3P	37				38	3P	10.3	PNL D2	E
E	PNL A2	4.65	225	39				40	225	9	PNL D2	E
E	PNL A2	2.7	"	41				42	"	8.4	PNL D2	E

A PH = 43.25 — B PH = 41.05 — C PH = 38.50

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	0.00	x	*	=	0.00	x		=		
MISC EQUIP	82.20	x	1.00	=	82.20	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	40.60	x	1.00	=	40.60	x		=		
SPARE					93.10					
TOTALS	122.80 KVA				215.90 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: A2 — AIC RATING: EXIST AMPS — SERVICE: 120/208 V., — 3PH,4W — MLO: 225 AMPS — MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
E	LTG; HR TESTING	1.4	20	1				2	20	0	SPARE	S
E	LTG; HR CORR.	1.4	20	3				4	20	0	SPARE	S
E	LTG; HR OFFICES	1.3	20	5				6	20	0	SPARE	S
E	LTG; HR OFFICES	1.4	20	7				8	20	0	SPARE	S
E	LTG; HR CORR.	1	20	9				10	20	0	SPARE	S
E	LTG; HR REST RM/OFFICES	1.4	20	11				12	20	0	SPARE	S
E	LTG; HR CORR.	0.5	20	13				14	20	0	SPARE	S
	SPACE	0	–	15				16	20	0	SPARE	S
S	SPARE	0	20	17				18	20	0	SPARE	S
S	SPARE	0	20	19				20	2P	2.25	EQ; EWH–EXIST	
S	SPARE	0	20	21				22	30	2.25	EQ; EWH–EXIST	
S	SPARE	0	20	23				24	–	0	SPACE	
S	SPARE	0	20	25				26	20	0	SPARE	S
S	SPARE	0	20	27				28	–	0	SPACE	
S	SPARE	0	30	29				30	–	0	SPACE	
S	SPARE	0	30	31				32	–	0	SPACE	
	SPACE	0	–	33				34	–	0	SPACE	
	SPACE	0	–	35				36	–	0	SPACE	
	SPACE	0	–	37				38	20	0	SPARE	S
	SPACE	0	–	39				40	20	0	SPARE	S
	SPACE	0	–	41				42	20	0	SPARE	S

A PH = 5.55 — B PH = 4.65 — C PH = 2.70

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	8.40	x	1.25	=	10.50	x		=		
RECEPT	0.00	x	*	=	0.00	x		=		
MISC EQUIP	4.50	x	1.00	=	4.50	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					65.96					
TOTALS	12.90 KVA				80.96 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: B2 — AIC RATING: EXIST AMPS — SERVICE: 120/208 V., — 3PH,4W — MLO: 100 AMPS — MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
E	REC; HR TESTING	0.5	20	1				2	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.4	20	3				4	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.5	20	5				6	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.4	20	7				8	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.5	20	9				10	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.4	20	11				12	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.5	20	13				14	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.4	20	15				16	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.5	20	17				18	20	0.4	REC; HR APP. STA.	E
E	REC; HR TESTING	0.4	20	19				20	20	0.5	REC; HR OFFICE	E
E	REC; HR TESTING	0.5	20	21				22	20	0.4	REC; HR WT ROOM	E
E	REC; HR TESTING	0.4	20	23				24	20	0.7	REC; HR OFFICE	E
E	REC; HR TESTING	0.5	20	25				26	20	0.7	REC; HR OFFICE	E
E	REC; HR TESTING	0.4	20	27				28	20	0.5	REC; HR OFFICE	E
E	REC; HR OFFICE	0.5	20	29				30	20	0.7	REC; HR CONFERENCE	E
E	REC; HR OFFICE	0.5	20	31				32	20	0.4	REC; HR TRAINING	E
E	REC; HR OFFICE	0.5	20	33				34	20	0.7	REC; HR TRAINING	E
E	REC;HR SUPPLIES	0.4	20	35				36	20	0.7	REC; HR TRAINING	E
E	REC; HR OFFICE	0.5	20	37				38	20	0	SPARE	N
E	REC; HR OFFICE	0.5	20	39				40	20	0	SPARE	E
E	REC; HR OFFICE	0.5	20	41				42	20	0	SPARE	E

A PH = 6.40 — B PH = 6.30 — C PH = 6.70

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	19.40	x	*	=	14.70	x		=		
MISC EQUIP	0.00	x	1.00	=	0.00	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					21.28					
TOTALS	19.40 KVA				35.98 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: C2 — AIC RATING: EXIST AMPS — SERVICE: 120/208 V., — 3PH,4W — MLO: 175 AMPS — MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
E	REC; HR TRAINING	0.7	20	1				2	20	0	SPARE	S
E	REC; HR TRAINING	0.7	20	3				4	20	0	SPARE	S
E	REC; HR TRAINING	0.7	20	5				6	20	0	SPARE	S
E	REC; HR TRAINING	0.7	20	7				8	20	0	SPARE	S
E	REC; HR TRAINING	0.7	20	9				10	30	0	SPARE	S
E	REC; HR TRAINING	0.7	20	11				12	30	0	SPARE	S
E	REC; HR TRAINING	0.7	20	13				14	20	0	SPARE	S
E	REC; HR TRAINING	0.7	20	15				16	20	0	SPARE	S
E	REC; HR TRAINING	0.7	20	17				18	20	0	SPARE	S
E	REC; HR TRAINING	0.7	20	19				20	20	0	SPARE	S
E	REC; HR OFFICE	0.7	20	21				22	20	0	SPARE	S
E	REC; HR OFFICE	0.5	20	23				24	20	0	SPARE	S
E	REC; HR OFFICE	0.5	20	25				26	30	0	SPARE	S
E	REC; HR OFFICE	0.5	20	27				28	30	0	SPARE	S
E	REC; HR OFFICE	0.5	20	29				30	30	0	SPARE	S
E	REC; HR OFFICE	0.5	20	31				32	30	0	SPARE	S
E	SPARE	0	20	33				34	30	0	SPARE	S
E	SPARE	0	20	35				36	30	0	SPARE	S
E	SPARE	0	20	37				38	20	0	SPARE	S
E	SPARE	0	20	39				40	20	0	SPARE	S
E	SPARE	0	20	41				42	20	0	SPARE	S

A PH = 3.80 — B PH = 3.30 — C PH = 3.10

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	10.20	x	*	=	10.10	x		=		
MISC EQUIP	0.00	x	1.00	=	0.00	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					52.87					
TOTALS	10.20 KVA				62.97 KVA					

* PER N.E.C. TABLE 220.44

EXISTING PANEL

PANEL: D2 — AIC RATING: EXIST AMPS — SERVICE: 120/208 V., — 3PH,4W — MLO: 225 AMPS — MCB: 0 AMPS

	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
S	SPARE	0	20	1				2	20	0.6	EQ; DOOR CONTROLLERS	E
S	SPARE	0	20	3				4	20	0	SPARE	S
S	SPARE	0	20	5				6	20	0	SPARE	S
S	SPARE	0	20	7				8	20	1.1	REC; GEN PURPOSE	E
S	SPARE	0	20	9				10	20	0.9	REC; GEN PURPOSE	E
S	SPARE	0	20	11				12	20	0.7	EQ; EWC	E
S	SPARE	0	20	13				14	20	1.5	EQ; HAND DRYER	E
E	REC; GEN PURPOSE	0.7	20	15				16	20	1.5	EQ; HAND DRYER	E
E	REC; GEN PURPOSE	1.1	20	17				18	20	1	REC; COPIER	E
E	REC; ID/PHOTO	0.6	20	19				20	20	1.1	REC; GEN PURPOSE	E
E	REC; REFRIGERATOR	0.5	20	21				22	20	1.1	REC; GEN PURPOSE	E
E	REC; TOASTER	0.5	20	23				24	20	1	REC; COPIER	E
E	REC; MICROWAVE	0.5	20	25				26	20	0.9	REC; GEN PURPOSE	E
E	REC; MICROWAVE	0.5	20	27				28	20	0.6	REC; COPY/SUPPLY	E
E	REC; GEN PURPOSE	0.9	20	29				30	20	1	REC; COPIER	E
N	EQ; HAND DRYER	1.5	20	31				32	20	0.9	REC; GEN PURPOSE	N
N	EQ; HAND DRYER	1.5	20	33				34	–	0	SPACE	
N	REC; COPIER	1	20	35				36	–	0	SPACE	
N	REC; COPY/SUPPLY	0.6	20	37				38	20	1	REC; BREAK ROOM	E
N	REC; GEN PURPOSE	0.7	20	39				40	20	1	REC; BREAK ROOM	E
N	REC; GEN PURPOSE	0.7	20	41				42	20	0.5	REC; TV BREAK ROOM	E

A PH = 10.30 — B PH = 9.00 — C PH = 8.40

SERVES	CONN LOAD		FACTOR		FEED		DIVERSITY		KVAD	PANEL KVAD
LIGHTING	0.00	x	1.25	=	0.00	x		=		
RECEPT	20.40	x	*	=	15.20	x		=		
MISC EQUIP	7.30	x	1.00	=	7.30	x		=		
A/C	0.00	x	1.00	=	0.00	x		=		
HEATING	0.00	x	1.00	=	0.00	x		=		
LARGEST MOTOR	0.00	x	1.25	=	0.00	x		=		
OTHER MOTORS	0.00	x	1.00	=	0.00	x		=		
OTHER	0.00	x	1.00	=	0.00	x		=		
SPARE					58.46					
TOTALS	27.70 KVA				80.96 KVA					

* PER N.E.C. TABLE 220.44

ALL PANELBOARDS SHALL BE ACCURATELY LABELED AND NUMBERED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED, THEIR LOAD AND LOCATION.

E = EXISTING CIRCUIT TO REMAIN.
N = NEW BREAKER AND CIRCUIT.
R = REUSE EXISTING CIRCUIT BREAKER TO FEED NEW CIRCUIT.
S = SPARE OUT EXISTING BREAKER. REMOVE ALL ABANDONED CONDUCTORS AND CONDUIT.
D = REMOVE EXISTING CIRCUIT BREAKER AND PROVIDE NEW BREAKER, CONDUIT AND WIRE.
DS = REMOVE EXISTING CIRCUIT BREAKER AND PROVIDE NEW SPARE BREAKER.

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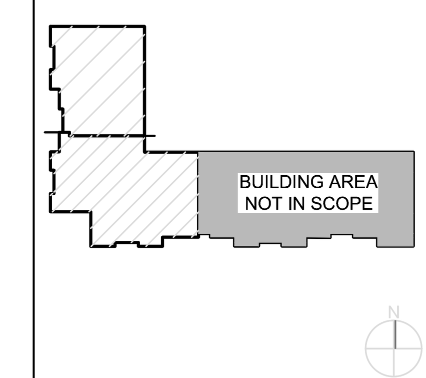
TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE 2014 FLORIDA BUILDING CODE



HILLSBOROUGH COUNTY
SHERIFF'S DEPARTMENT
P.O BOX 3371

HILLSBOROUGH COUNTY SHERIFF'S DEPARTMENT RENOVATIONS
PINEBROOK BUSINESS PARK

PROJECT #: 1505-00

DISTRIBUTION	DATE
CD CHECK SET	10/15/15
100% CONST. DOCS	11/16/15
1 ADDENDUM 01	12.16.15

ELECTRICAL PANEL SCHEDULES

E602

ELECTRICAL PANEL SCHEDULES
NOT TO SCALE — A4

Drawing File: I:\15xx\15042.00\15042e60x.dwg E602
Plotted by: Andrew Dec 17, 2015 – 3:33pm