STATE MAIL SERVICES

DFCM PROJECT #07030550

WEST VALLEY, UTAH

NOT FOR CONSTRUCTION

DESIGN TEAM

ARCHITECTURAL
JRCA, Architects
577 South 200 East
Salt Lake City, Utah 84111
(801) 533-2100 Fax 533-2101
Contact: Danny Fuchs – dfuchs@jrcadesign.com

STRUCTURAL
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Bountiful, Utah 84010
(801) 298-1118 Fax 298-1122
Contact: Cliff Cole – cliff.cole@wcaeng.com

LANDSCAPE
John Swain
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Farmington, Utah 84025
(801) 402-7413 Fax 774-7608
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ELECTRICAL
Spectrum Professional Services
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Salt Lake City, Utah 84111
(801) 328-5151 Fax 328-5155
Contact: Truman Henard – txh@spectrum-engineers.com

CIVIL
Bush and Gudgell, Inc.
525 South 300 East
Salt Lake City, Utah 84111
(801) 364-1212 Fax 364-1225
Contact: George Buys – gbuys@bushandgudgell.com

MECHANICAL & PLUMBING
SMD Engineering
986 West Atherton Drive Suite #200
Taylorsville, Utah 84123
(801) 268-3828 Fax 268-3297
Contact: Scott Deakins – scott@smdengineering.com

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
4110 State Office Building/Salt Lake City, Utah 84114/538-3018

DFCM PLAN CHECK

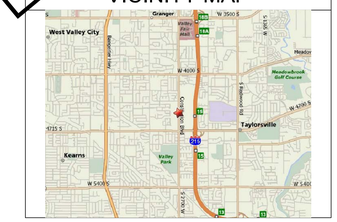
Division of Facilities Construction and Management

Phase _____ Program _____ Yes No

	Approved as Noted	Resubmit Required	By	Date
Accessibility				
Architectural				
Civil				
Electrical				
Energy				
HVAC				
Landscape				
Plumbing				
Specifications				
Structural				

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

VICINITY MAP



DEFERED SUBMITTALS

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APPROVALS:

Prime Agency _____ Date _____

DFCM _____ Date _____

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

ABBREVIATIONS

AC.	ACOUSTIC
ADD.	ADDENDUM
A/C	AIR CONDITIONING
AL.	ALUMINUM
ALT.	ALTERNATE
A.B.	ANCHOR BOLT
ARCH.	ARCHITECT
ASP.	ASPHALT
@	AT
&	AND
BSMT.	BASEMENT
B.M.	BENCHMARK
BLKG.	BLOCKING
BD.	BOARD
B.O.	BOTTOM OF
BLDG.	BUILDING
CAB'T.	CABINET
C.I.P.	CAST IN PLACE
C.B.	CATCH BASIN
CLG.	CEILING
℄	CENTER LINE
C.T.	CERAMIC TILE
CH	CHANNEL
CLR.	CLEAR
C.O.	CLEAN OUT
CL.	CLOSET
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDITION
CONN.	CONNECTION
CONST.	CONSTRUCTION
C.J.	CONTROL JOINT
CONT.	CONTINUOUS
C.M.U.	CONCRETE MASONRY UNIT
D.B.	DECK BEARING
D.P.	DAMP PROOFING
DIAG.	DIAGONAL
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DWL.	DOWEL
DN.	DOWN
D.S.	DOWN SPOUT
DWG.	DRAWING
D.W.V.	DRAINAGE WASTE & VENT
EA.	EACH
EL.	ELECTRIC
E.W.C.	ELEC. WATER COOLER
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXH.	EXHAUST
E.J.	EXPANSION JOINT
EXIST.	EXISTING
EXT.	EXTERIOR
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FT.	FEET
FIN.	FINISH
FIXT.	FIXTURE
FL.	FLASHING
FLR.	FLOOR
F.D.	FLOOR DRAIN
FLUOR.	FLUORESCENT
FTG.	FOOTING
FND.	FOUNDATION
FR.	FRAME
GA.	GAUGE
GALV.	GALVANIZED
GL.	GLASS
GD.	GRADE
GRL.	GRILLE
GRD.	GROUND
GYP.	GYPSUM
G.S.N.	GENERAL STRUCTURAL NOTES
G.C.	GENERAL CONTRACTOR
HR.	HOUR
HDW.	HARDWARE
HDWD.	HARDWOOD
HTR.	HEATER
HT.	HEIGHT
H.P.	HIGH POINT
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.B.	HOSE BIB
H.W.	HOT WATER
IN.	INCH
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JAN.	JANITOR
JT.	JOINT
JST.	JOIST
LAM.	LAMINATED
LDG.	LANDING
LAV.	LAVATORY
LT.	LIGHT
L.W.C.	LIGHT WEIGHT CONCRETE
LVR.	LOUVER
M.B.	MACHINE BOLT
M.O.	MASONRY OPENING
MAT'L.	MATERIAL
MFR.	MANUFACTURER
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MLDG.	MOLDING
MULL.	MULLION
N/A	NOT APPLICABLE
N.G.	NATURAL GRADE
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
O.D.	OUTSIDE DIAMETER
O.F.S.	OVERFLOW SCUPPER
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
PTD.	PAINTED
PR.	PAIR
PNL.	PANEL
d	PENNY
PL	PLATE
PLBG.	PLUMBING
PLY'WD.	PLYWOOD
PT.	PAINT
P.S.I.	POUNDS PER SQ. IN.
P.S.F.	POUNDS PER SQ. FT.
P.C.	PLUMBING CONTRACTOR
P.L.	PLASTIC LAMINATE
R.A.	RETURN AIR
RAD.	RADIUS
REG.	REGISTER
REQ'D.	REQUIRED
REV.	REVISION
REC.	RECOMMENDATION
R.D.	ROOF DRAIN
RFG.	ROOFING
RM.	ROOM
RGH.	ROUGH
RND.	ROUND
S.A.	SUPPLY AIR
SCR.	SCREW
SECT.	SECTION
SELF.	SELF
SHT.	SHEET
SIM.	SIMILAR
SLDG.	SIDING
SMTH.	SMOOTH
SPEC.	SPECIFICATION
SPL.	SPLASH
SQ.	SQUARE
STD.	STANDARD
S.S.	STAINLESS STEEL
STRUCT.	STRUCTURE
SUSP.	SUSPENDED
SWBD.	SWITCHBOARD
T&B	TOP & BOTTOM
TELCO	TELEPHONE COMPANY
T.G.	TEMPERED GLASS
T.O.C.	TOP OF CURB
T.O.	TOP OF
T.O.P.	TOP OF PARAPET
T.O.D.	TOP OF DECK
TYP.	TYPICAL
T&G	TONGUE & GROVE
U.N.O.	UNLESS NOTED OTHERWISE
V.	VENT
VERT.	VERTICAL
V.G.	VERTICAL GRAIN
VEST.	VESTIBULE
V.T.R.	VENT THROUGH ROOF
V.C.T.	VINYL COMPOSITION TILE
V.C.P.	VITREOUS CLAY PIPE
W.W.F.	WELDED WIRE FABRIC
W.C.	WATER CLOSET
W.H.	WATER HEATER
W.F.	WIDE FLANGE
W/	WITH
W/O	WITHOUT
WD.	WOOD
WDW.	WINDOW
W.R.	WATER RESISTANT
W.P.	WATER PROOF

MATERIALS / SYMBOLS

WOOD MOLDING
STONE IN SECTION
CONCRETE
EARTH
GRAVEL
MASONRY
STEEL FRAMING
RIGID INSULATION
BATT INSULATION
GYPSUM WALL BOARD
PLYWOOD
BLOCKING
CONTINUOUS WOOD
OR — LEVEL ELEVATION, FLOOR ELEVATION, POINT ELEVATION

℄ — CENTERLINE
XX / AEXXX — BUILDING SECTION FLAG
XX / AEXXX — WALL SECTION FLAG
A1 / AE411 — INTERIOR ELEVATION
XX / AEXXX — DETAIL
A — GRID TAG
W-1 — WINDOW TAG
101A — DOOR TAG
ROOM / XXX — ROOM TAG
1 — KEYNOTE TAG
1 — REVISION TAG
G3 — WINDOW GLAZING SCHEDULE
1 — WALL TYPE SYMBOL

DRAWING INDEX

GENERAL INFORMATION:
G101 GENERAL INFORMATION
AS101 ARCHITECTURAL SITE PLAN

CIVIL
C1 GRADING PLAN

ARCHITECTURAL:
DP101 MAIN LEVEL DEMOLITION PLAN
DP102 UPPER LEVEL DEMOLITION PLAN
DP103 MAIN LEVEL REFLECTED CEILING DEMOLITION PLAN
DP104 UPPER LEVEL REFLECTED CEILING DEMOLITION PLAN
AE101 MAIN LEVEL FLOOR PLAN
AE102 UPPER LEVEL FLOOR PLAN
AE151 ROOF PLAN
AE161 MAIN LEVEL REFLECTED CEILING PLAN
AE162 UPPER LEVEL REFLECTED CEILING PLAN
AE201 EXTERIOR ELEVATIONS
AE351 WALL SECTIONS
AE451 VERTICAL CIRCULATION
AE601 SCHEDULES / DOOR & FRAME TYPES

STRUCTURAL:
SE101 FOOTING AND FOUNDATION PLAN
SE201 FLOOR FRAMING PLAN
SE301 ROOF FRAMING PLAN

MECHANICAL:
MD101 MECHANICAL MAIN LEVEL DEMOLITION PLAN
MD102 MECHANICAL UPPER LEVEL DEMOLITION PLAN
MH101 MECHANICAL MAIN LEVEL FLOOR PLAN
MH102 MECHANICAL UPPER LEVEL FLOOR PLAN
MH103 MECHANICAL ROOF PLAN
MH401 ENLARGED MECHANICAL UPPER LEVEL FLOOR PLAN
MH501 MECHANICAL DETAILS
MH502 MECHANICAL DETAILS
MH601 MECHANICAL SCHEDULES
MH602 MECHANICAL SCHEDULES
MH701 MECHANICAL SCHEMATICS
MP101 MECHANICAL PIPING MAIN LEVEL PLAN
MP102 MECHANICAL PIPING UPPER LEVEL PLAN

PLUMBING:
PP101 PLUMBING MAIN LEVEL FLOOR PLAN
PP102 PLUMBING UPPER LEVEL FLOOR PLAN
PP401 ENLARGED PLUMBING LEVEL FLOOR PLANS
PP601 PLUMBING SCHEDULES

ELECTRICAL:
EE001 SYMBOL LEGEND, & ABBREVIATIONS
EE101 REFERENCE FIRST FLOOR LIGHTING PLAN
EE102 REFERENCE SECOND FLOOR LIGHTING PLAN
EE103 REFERENCE FIRST FLOOR POWER PLAN
EE104 REFERENCE SECOND FLOOR POWER PLAN
EE105 REFERENCE FIRE ALARM AUDIO VISUAL ELECTRICAL LAYOUT
EE106 REFERENCE LIGHTING FIXTURE & PANEL SCHEDULE
EE107 REFERENCE ONE-LINE RISER, MECHANICAL SCHEDULE, PAD DETAIL, SYMBOL LEGEND
ES101 ELECTRICAL SITE PLAN
EP101 MAIN LEVEL POWER PLAN
EP102 UPPER LEVEL POWER PLAN
EP602 POWER SCHEDULES
EL101 MAIN LEVEL LIGHTING PLAN
EL102 UPPER LEVEL LIGHTING PLAN
EL601 LIGHTING FIXTURE SCHEDULE
ET101 MAIN LEVEL TECHNOLOGY PLAN
ET102 UPPER LEVEL TECHNOLOGY PLAN
FA601 FIRE ALARM RISER

SCOPE DOCUMENTS NOVEMBER 17, 2008

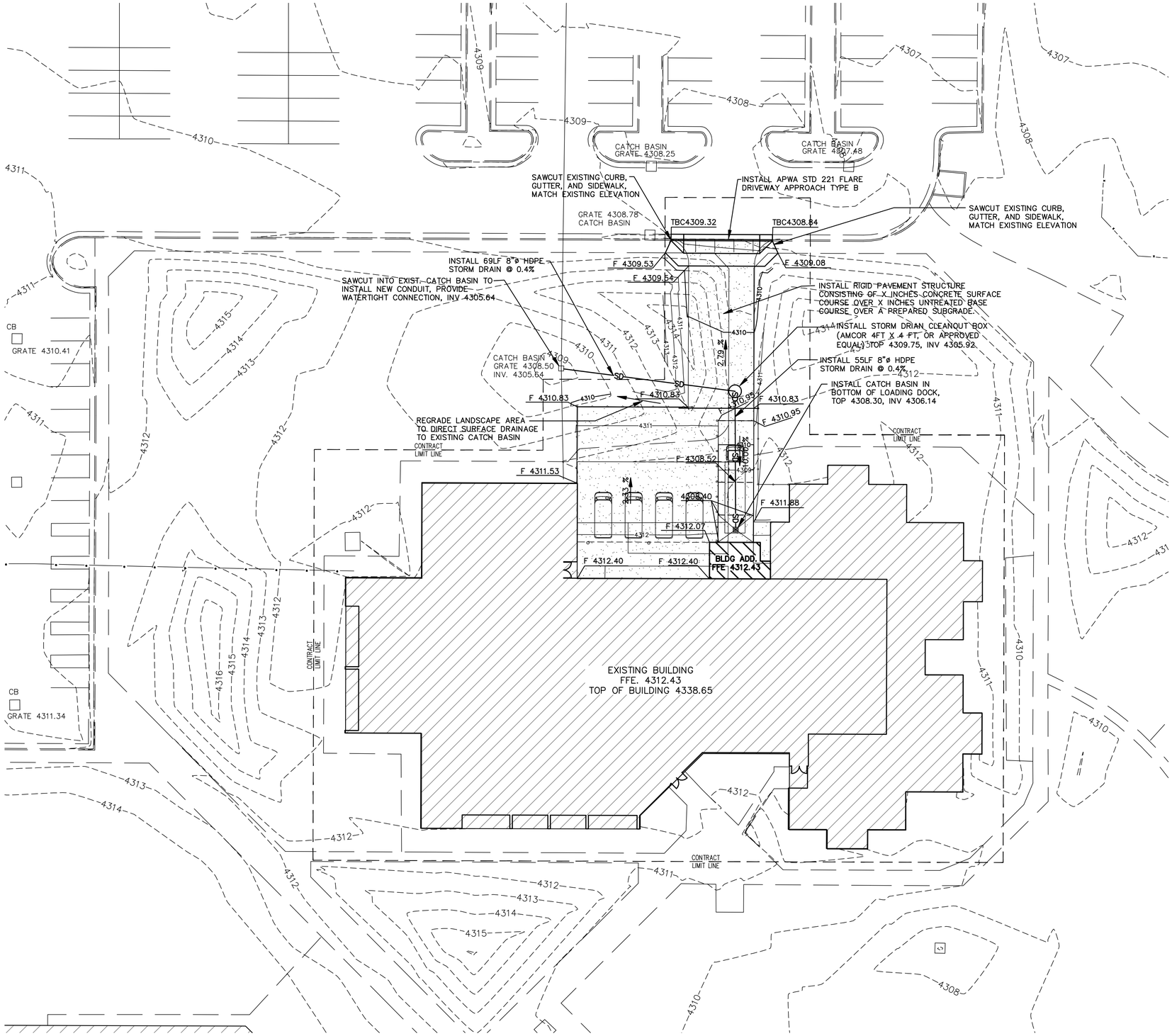
STATE MAIL SERVICES
WEST VALLEY, UTAH

JRCA ARCHITECTS
577 South 200 East
Salt Lake City, Utah 84111
(801) 533-2100 fax: 533-2101 jrcadesign.com

DATE/REVISION	PROJECT #.
11 · 17 · 08	08008

GENERAL INFORMATION

GI 101



NORTH

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

LEGEND

- AC = AIR CONDITIONING UNIT
- AS = AUTOMATIC SPRINKLERS
- BP = BUMPER POST
- = CITY MONUMENT
- CB = CATCH BASIN
- EB = ELECTRIC BOX
- EM = ELECTRIC METER
- EMH = ELECTRIC MANHOLE
- FH = FIRE HYDRANT
- FP = FLAG POLE
- GM = GAS METER
- LP = LIGHT POLE
- SDMH = STORM DRAIN MANHOLE
- SSMH = SEWER MANHOLE
- TMH = TELEPHONE MANHOLE
- TR = TRANSFORMER PAD
- WMH = WATER MANHOLE
- WM = WATER METER
- WV = WATER VALVE

GENERAL NOTES:

1. CONTRACTOR SHALL CALL FOR BLUE STAKES, TELEPHONE 1-800-662-4111, A MINIMUM OF 48 HOURS BEFORE ANY EXCAVATION IS TO COMMENCE.

2. CONTRACTOR SHALL HAVE OBTAINED AND REVIEWED THE GEOTECHNICAL ENGINEERING STUDY AND SHALL BE FAMILIAR WITH THE RECOMMENDATIONS MADE IN THAT REPORT.

3. STRIP AND REMOVE EXISTING VEGETATION, ORGANIC TOPSOILS, DEBRIS, FILL, EXISTING FOUNDATIONS, UTILITY TRENCHES AND ANY OTHER DELETERIOUS MATERIALS FROM THE BUILDING AND PAVEMENT AREAS. ORGANIC TOPSOILS MAY EXTEND FROM SIX TO 10 INCHES BELOW THE SURFACE. ALL EXPOSED SURFACES SHALL BE FREE OF MOUNDS AND DEPRESSIONS WHICH COULD PREVENT UNIFORM COMPACTION.

4. THE SUBGRADE SHOULD BE SCARIFIED, MOISTURE CONDITIONED, AND RECOMPACTED TO A FIRM UNYIELDING CONDITION TO A MINIMUM DEPTH OF 8 INCHES PRIOR TO PLACEMENT OF PAVEMENT MATERIALS. IF LOOSE ZONES ARE ENCOUNTERED THAT DO NOT IMPROVE WITH REPEATED COMPACTION, THEY SHALL BE REMOVED AND REPLACED WITH PROPERLY-COMPACTED, STRUCTURAL FILL.

5. PLACE AND COMPACT FILL MATERIALS IN HORIZONTAL LIFTS NOT EXCEEDING 12 INCHES, USING EQUIPMENT AND PROCEDURES THAT WILL PRODUCE RECOMMENDED WATER CONTENTS AND DENSITIES THROUGHOUT THE LIFT. NO FILL SHALL BE PLACED OVER FROZEN GROUND. MATERIALS SHALL BE COMPACTED TO A MINIMUM OF 95% COMPACTION (ASTM D1557).

6. FILL SOILS SHALL NOT CONTAIN SNOW OR ICE, OR BE PLACED IN A FROZEN CONDITION. FILL SOILS SHALL NOT BE PLACED ON SNOW, ICE, OR FROZEN SOILS.

7. NO GRADE CHANGES WILL BE PERMITTED FROM THAT SHOWN AND APPROVED ON THIS PLAN WITHOUT RESUBMITTING THE PROPOSED CHANGES TO THE OWNER, AND HIS REPRESENTATIVE.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF OR DAMAGE TO EXISTING IMPROVMENTS AT OR NEAR THE PROJECT SITE.

9. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES LOCATED AT OR NEAR THE PROJECT SITE AND SHALL PROTECT THOSE UTILITIES FROM ANY POTENTIAL DAMAGE.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL IN ACCORDANCE WITH THE TAYLORSVILLE CITY STANDARDS. CONTRACTOR SHALL WET DOWN ALL DRY MATERIALS TO PREVENT BLOWING DUST AND REMOVE ALL RUBBISH TO PREVENT WIND SCATTERING.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO ADJACENT SURFACE IMPROVEMENTS DURING CONSTRUCTION.

12. ALL EXISTING ASPHALT TO BE CUT SHALL BE SAWCUT IN NEAT STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.

No.	Date	By	Revision

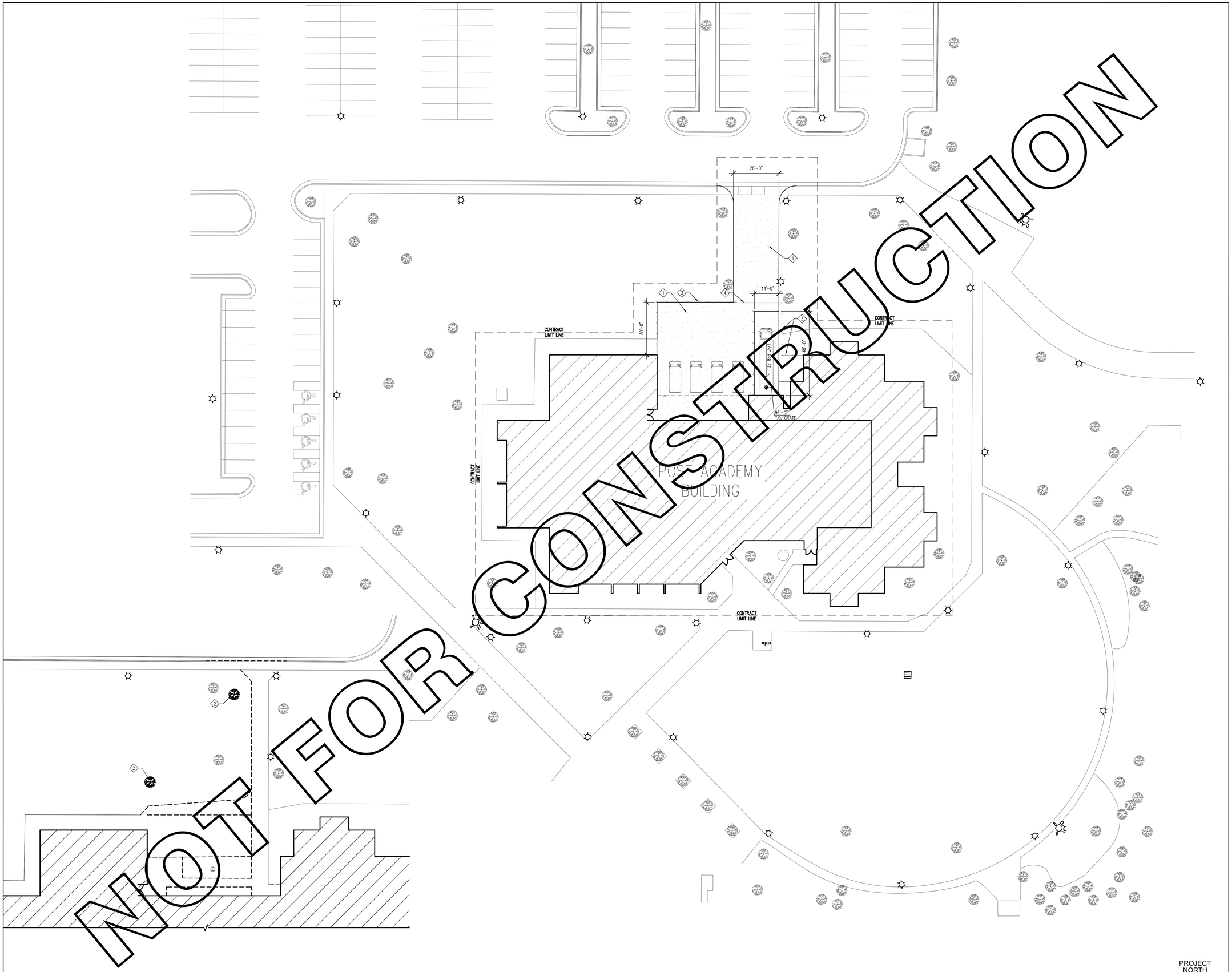
BUSH & GUDGELL, INC.
Engineers - Planners - Surveyors
525 South 300 East
Salt Lake City, Utah 84111
Phone (801) 364-1212 / Fax (801) 364-1225
www.bushandgudgell.com

Drawn : QWB Date : AUG 08
Designer : QWB
Checked :
Approved :
Scale : 1 INCH = 30 FEET
Job No : 47952

POST ACADEMY BLDG. RENOVATION
GRADING PLAN
LOCATION: SEC 4, T2S, R1W, S.L.B.&M.
PREPARED FOR: JRCA ARCHITECTS

SHEET
C1
SHEETS

FILE: 47952



PARTIAL SITE DEMOLITION PLAN
SCALE 1" = 20'-0"
site demo.dwg

ARCHITECTURAL SITE PLAN
SCALE 1" = 20'-0"

PROJECT NORTH

GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING LANDSCAPING & SITE IMPROVEMENTS WHICH ARE TO REMAIN FREE FROM DAMAGE DURING CONSTRUCTION BOTH INSIDE AND OUTSIDE THE CONTRACT LIMIT LINE. CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED ITEM OR SITE IMPROVEMENTS AS SPECIFIED. OR IF NOT SPECIFIED, TO MATCH EXISTING ADJACENT CONSTRUCTION
2. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL UTILITIES AND SITE IMPROVEMENTS WHICH ARE AFFECTED BY, OR WHICH TIE-IN WITH NEW CONSTRUCTION
3. EXISTING ROAD, PARKING, SERVICE DRIVES, & SIDEWALKS SHALL REMAIN ACCESSIBLE & BE KEPT CLEAR OF CONSTRUCTION EQUIPMENT, MATERIALS, MUD, DIRT, OTHER DEBRIS
4. SEE CIVIL AND LANDSCAPE DRAWINGS FOR EXTENT OF SITE WORK

KEY NOTES:

1. 8" THICK CONCRETE PAVING
2. EXISTING TREE TO BE REMOVED
3. 6'-0" HIGH DECORATIVE FENCE
4. HORIZONTAL SLIDE GATE

STATE MAIL SERVICES

WEST VALLEY, UTAH

JRCA
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577 South 200 East
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(801) 533-2100 fax: 533-2101 jrcadesign.com

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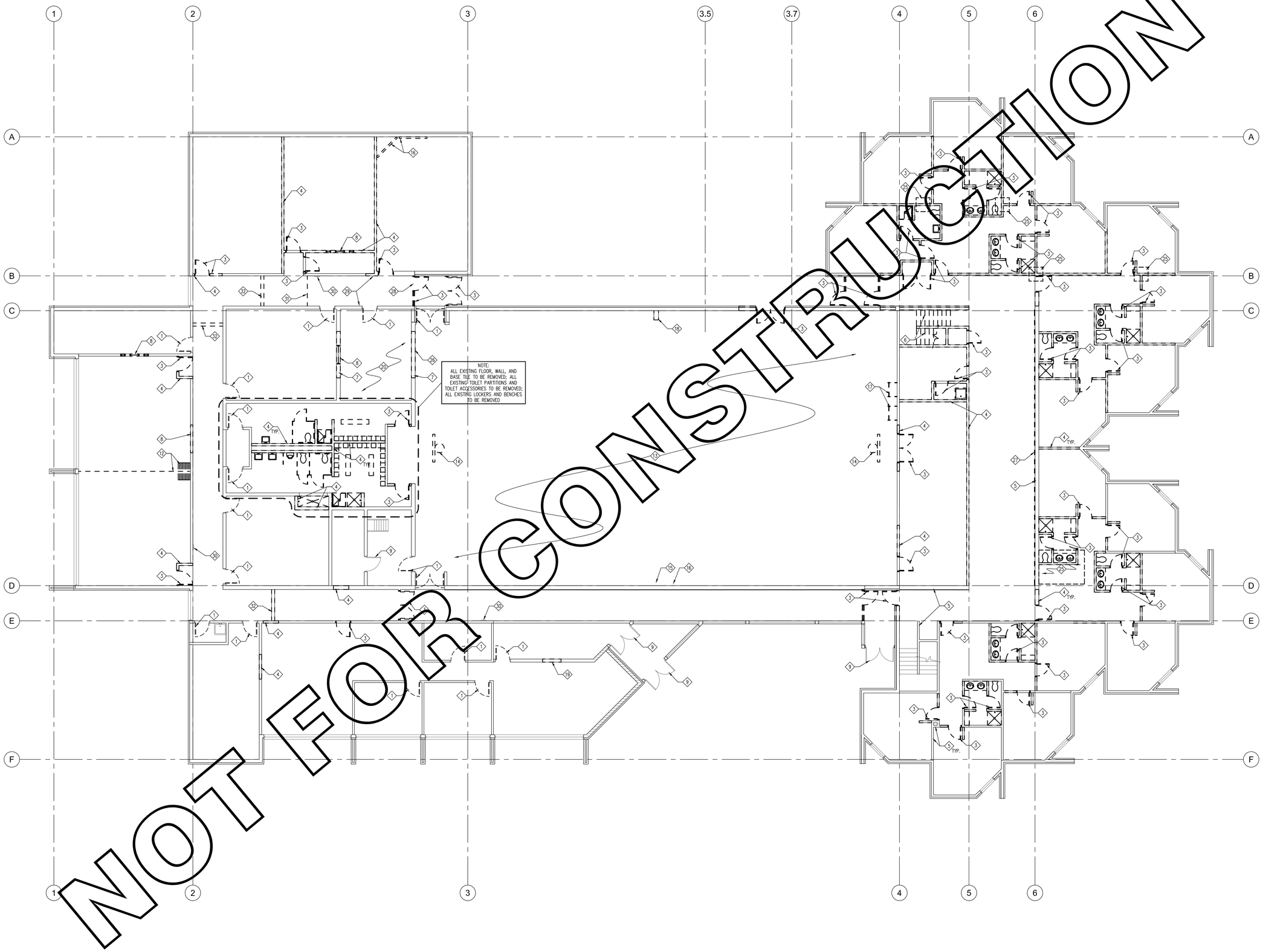
ARCHITECTURAL SITE PLAN / PARTIAL SITE DEMOLITION PLAN

AS 101



MAIN LEVEL DEMOLITION PLAN
SCALE 1/8" = 1'-0"

GENERAL NOTES:

1. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DEMOLITION OF MECHANICAL AND PLUMBING EQUIPMENT, FIXTURES AND SYSTEMS
2. SEE ELECTRICAL DRAWINGS FOR DEMOLITION OF ELECTRICAL EQUIPMENT, FIXTURES AND SYSTEMS
3. ALL EXISTING FLOOR FINISHES THROUGHOUT ENTIRE BUILDING TO BE REMOVED, INCLUDING ADHESIVE RESIDUE
4. ALL EXISTING WALL BASE THROUGHOUT ENTIRE BUILDING TO BE REMOVED

KEY NOTES:

1. EXISTING DOOR AND HARDWARE TO BE REMOVED, EXISTING FRAME TO REMAIN
2. EXISTING SUSPENDED CONCRETE SLAB TO BE REMOVED
3. EXISTING DOOR, HARDWARE AND FRAME TO BE REMOVED
4. EXISTING WALL TO BE REMOVED
5. EXISTING WALL TO REMAIN; PATCH AND REPAIR AS REQUIRED TO ACHIEVE WALL FREE OF DEFECTS
6. EXISTING STAIR ASSEMBLY TO BE REMOVED; INCLUDING TREADS, RISERS, STRINGERS, HANDRAILS, FINISHES, ETC.
7. EXISTING MASONRY WALL TO BE REMOVED; TO HEIGHT OF 110'-0"; SAW CUT NEAREST MASONRY JOINT
8. EXISTING WINDOW ASSEMBLY TO BE REMOVED
9. EXISTING DOOR, HARDWARE AND FRAME TO REMAIN
10. NOT USED
11. NOT USED
12. EXISTING OPERABLE PARTITION TO BE REMOVED
13. EXISTING HARDWOOD ATHLETIC FLOOR SYSTEM TO BE REMOVED
14. EXISTING WALL/CEILING MOUNTED BASKETBALL BASKET/BACKBOARD ASSEMBLY TO BE REMOVED
15. EXISTING CURTAIN AND CURTAIN RODS TO BE REMOVED; PATCH AND REPAIR WALL
16. EXISTING PROJECTION SCREEN TO BE REMOVED
17. EXISTING EXERCISE EQUIPMENT TO BE REMOVED
18. EXISTING METAL BRACKET TO BE REMOVED
19. EXISTING RECEPTION WINDOW & COIL GATE TO BE REMOVED
20. ALL EXISTING AUDIO/VISUAL EQUIPMENT TO BE REMOVED
21. EXISTING PLUMBING FIXTURES, COUNTERS, BENCHES & SHOWER SURROUNDS TO BE REMOVED, PATCH & REPAIR ALL WALLS
22. EXISTING HANDRAIL AND WALL BRACKET TO BE REMOVED; PATCH & REPAIR WALL
23. EXISTING POST TO BE REMOVED
24. EXISTING FLOOR SHEATHING AND FLOOR JOIST TO BE REMOVED
25. EXISTING CONCRETE SLAB TO BE REMOVED; SAW CUT
26. REMOVE EXISTING CMU TO TOP OF FOOTING
27. EXISTING MIRROR TO BE REMOVED
28. EXISTING WALL AND WINDOW ABOVE TO REMAIN
29. EXISTING WOOD TRIM/RAILS TO BE REMOVED, PATCH AND REPAIR DAMAGE TO WALL RESULTING FROM REMOVAL OF RAILS
30. EXISTING FIRE EXTINGUISHER CABINET TO REMAIN
31. EXISTING PIPE AND BRACKETS TO BE REMOVED
32. EXISTING MECHANICAL DUCT TO BE REMOVED, SEE MECHANICAL DRAWINGS FOR EXTENT OF MECHANICAL DEMOLITION

LEGEND:

= = = = EXISTING WALL TO BE REMOVED

EXISTING DOOR TO BE REMOVED; SEE KEY NOTES FOR EXISTING HARDWARE & FRAME

STATE MAIL SERVICES

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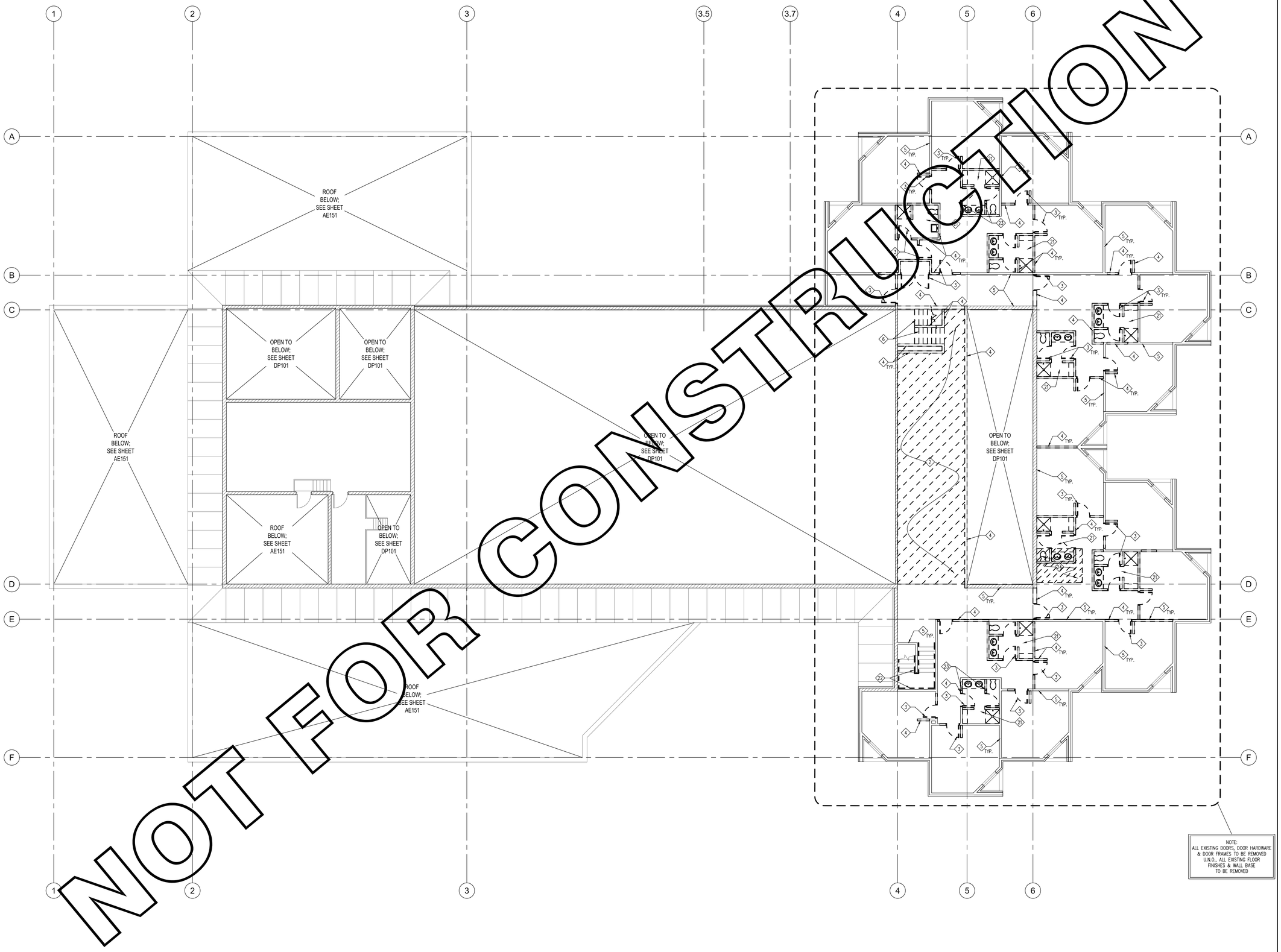
MAIN LEVEL DEMOLITION PLAN

DP 101



NOTE:
ALL EXISTING DOORS, DOOR HARDWARE & DOOR FRAMES TO BE REMOVED U.N.O., ALL EXISTING FLOOR FINISHES & WALL BASE TO BE REMOVED

NOT FOR CONSTRUCTION

UPPER LEVEL DEMOLITION PLAN
SCALE 1/8" = 1'-0"

N

GENERAL NOTES:

1. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DEMOLITION OF MECHANICAL AND PLUMBING EQUIPMENT, FIXTURES AND SYSTEMS
2. SEE ELECTRICAL DRAWINGS FOR DEMOLITION OF ELECTRICAL EQUIPMENT, FIXTURES AND SYSTEMS
3. ALL EXISTING FLOOR FINISHES THROUGHOUT ENTIRE BUILDING TO BE REMOVED, INCLUDING ADHESIVE RESIDUE
4. ALL EXISTING WALL BASE THROUGHOUT ENTIRE BUILDING TO BE REMOVED

KEY NOTES:

1. EXISTING DOOR AND HARDWARE TO BE REMOVED, EXISTING FRAME TO REMAIN
2. EXISTING SUSPENDED CONCRETE SLAB TO BE REMOVED
3. EXISTING DOOR, HARDWARE AND FRAME TO BE REMOVED
4. EXISTING WALL TO BE REMOVED
5. EXISTING WALL TO REMAIN; PATCH AND REPAIR AS REQUIRED TO ACHIEVE WALL FREE OF DEFECTS
6. EXISTING STAIR ASSEMBLY TO BE REMOVED; INCLUDING TREADS, RISERS, STRINGERS, HANDRAILS, FINISHES, ETC.
7. EXISTING MASONRY WALL TO BE REMOVED; TO HEIGHT OF 110'-0"; SAW CUT NEAREST MASONRY JOINT
8. EXISTING WINDOW ASSEMBLY TO BE REMOVED
9. EXISTING DOOR, HARDWARE AND FRAME TO REMAIN
10. NOT USED
11. NOT USED
12. EXISTING OPERABLE PARTITION TO BE REMOVED
13. EXISTING HARDWOOD ATHLETIC FLOOR SYSTEM TO BE REMOVED
14. EXISTING WALL/CEILING MOUNTED BASKETBALL BASKET/BACKBOARD ASSEMBLY TO BE REMOVED
15. EXISTING CURTAIN AND CURTAIN RODS TO BE REMOVED; PATCH AND REPAIR WALL
16. EXISTING PROJECTION SCREEN TO BE REMOVED
17. EXISTING EXERCISE EQUIPMENT TO BE REMOVED
18. EXISTING METAL BRACKET TO BE REMOVED
19. EXISTING RECEPTION WINDOW & COIL GATE TO BE REMOVED
20. ALL EXISTING AUDIO/VISUAL EQUIPMENT TO BE REMOVED
21. EXISTING PLUMBING FIXTURES, COUNTERS, BENCHES & SHOWER SURROUNDS TO BE REMOVED, PATCH & REPAIR ALL WALLS
22. EXISTING HANDRAIL AND WALL BRACKET TO BE REMOVED; PATCH & REPAIR WALL
23. EXISTING POST TO BE REMOVED
24. EXISTING FLOOR SHEATHING AND FLOOR JOIST TO BE REMOVED
25. EXISTING CONCRETE SLAB TO BE REMOVED; SAW CUT
26. REMOVE EXISTING CMU TO TOP OF FOOTING
27. EXISTING MIRROR TO BE REMOVED
28. EXISTING WALL AND WINDOW ABOVE TO REMAIN
29. EXISTING WOOD TRIM/RAILS TO BE REMOVED, PATCH AND REPAIR DAMAGE TO WALL RESULTING FROM REMOVAL OF RAILS
30. EXISTING FIRE EXTINGUISHER CABINET TO REMAIN
31. EXISTING PIPE AND BRACKETS TO BE REMOVED
32. EXISTING MECHANICAL DUCT TO BE REMOVED, SEE MECHANICAL DRAWINGS FOR EXTENT OF MECHANICAL DEMOLITION

LEGEND:

= = = = EXISTING WALL TO BE REMOVED

EXISTING DOOR TO BE REMOVED; SEE KEY NOTES FOR EXISTING HARDWARE & FRAME

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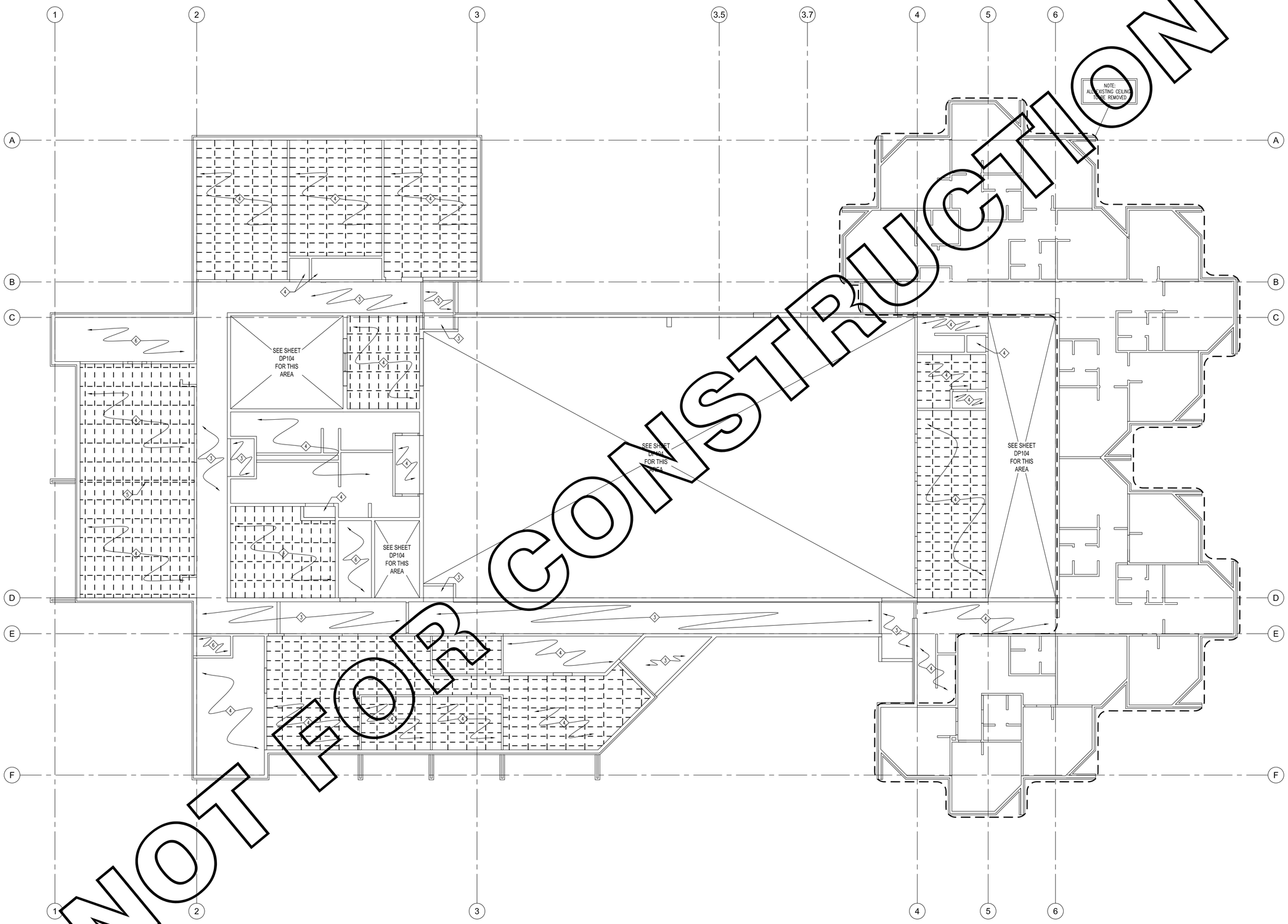
UPPER LEVEL DEMOLITION PLAN

DP 102



MAIN LEVEL REFLECTED CEILING DEMOLITION PLAN

SCALE 1/8" = 1'-0"

N

GENERAL NOTES:

1. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DEMOLITION OF MECHANICAL AND PLUMBING EQUIPMENT, FIXTURES AND SYSTEMS
2. SEE ELECTRICAL DRAWINGS FOR DEMOLITION OF ELECTRICAL EQUIPMENT, FIXTURES AND SYSTEMS
3. ALL EXISTING CEILING FINISHES THROUGHOUT ENTIRE BUILDING TO BE REMOVED, U.N.O.

KEY NOTES:

1. EXISTING SPEAKERS TO BE REMOVED
2. EXISTING OVERHEAD COIL PARTITION TO BE REMOVED
3. EXISTING CEILING TO REMAIN
4. EXISTING CEILING TO BE REMOVED
5. EXISTING PARTITION AND TRACK TO BE REMOVED
6. THIS AREA OPEN TO STRUCTURE; NO EXISTING CEILING

REFLECTED CEILING PLAN LEGEND

EXISTING CEILING SYSTEM TO BE REMOVED IN IT'S ENTIRETY

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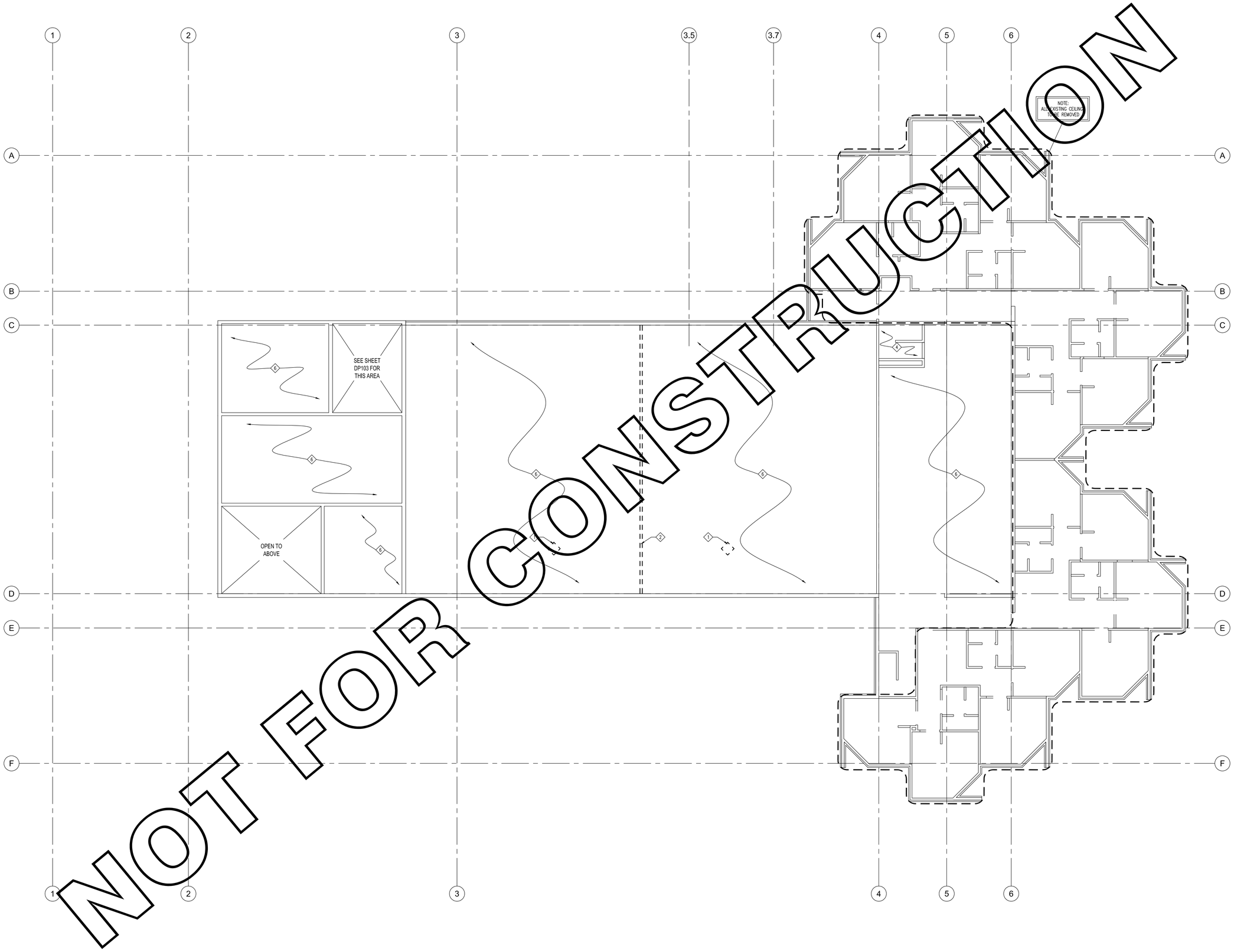
MAIN LEVEL REFLECTED CEILING DEMOLITION PLAN

DP 103



UPPER LEVEL REFLECTED CEILING DEMOLITION PLAN
SCALE 1/8" = 1'-0"

N

GENERAL NOTES:

1. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DEMOLITION OF MECHANICAL AND PLUMBING EQUIPMENT, FIXTURES AND SYSTEMS
2. SEE ELECTRICAL DRAWINGS FOR DEMOLITION OF ELECTRICAL EQUIPMENT, FIXTURES AND SYSTEMS
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KEY NOTES:

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5. EXISTING PARTITION AND TRACK TO BE REMOVED
6. THIS AREA OPEN TO STRUCTURE; NO EXISTING CEILING

REFLECTED CEILING PLAN LEGEND

EXISTING CEILING SYSTEM TO BE REMOVED IN IT'S ENTIRETY

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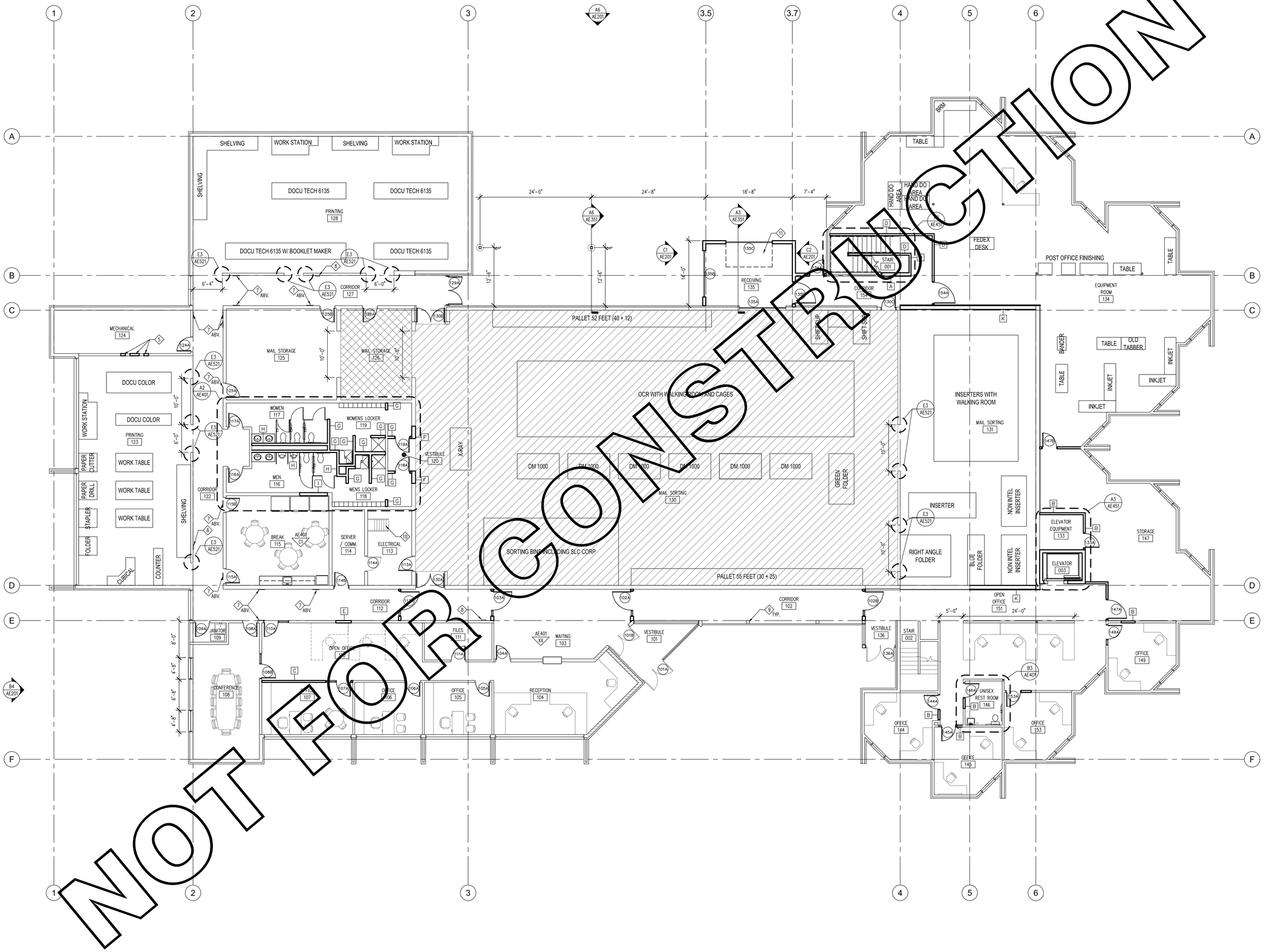
UPPER LEVEL REFLECTED CEILING DEMOLITION PLAN

DP 104



MAIN LEVEL FLOOR PLAN
SCALE 1/8" = 1'-0"

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, U.N.O.
2. SEE C2/AE521 FOR CONDITION ❶ TRANSITION POINT OF EXISTING WALLS TO REMAIN & EXISTING WALLS TO BE REMOVED,NEATLY CUT GYP. BD. & FRAMING BETWEEN EXISTING GYP. SCHEDULED TO REMAIN AND THAT SCHEDULED TO BE REMOVED

KEY NOTES:

1. PATCH GAP IN EXISTING WALL FINISH TO MATCH EXISTING CONSTRUCTION, RESULTING FROM DEMOLITION OF ADJACENT WALLS; TYP. @ ALL LOCATIONS, ENTIRE WALL TO RECEIVE LEVEL 5 FINISH (SEE SPEC.)
2. NOT USED
3. TS COLUMN; PAINT, SEE STRUCTURAL DRAWINGS
4. NOT USED
5. INFILL OPENINGS WITH CMU, MATCH EXISTING CMU
6. PATCH GAP IN EXISTING WALL FINISH TO MATCH EXISTING CONSTRUCTION, RESULTING FROM DEMOLITION OF ADJACENT WALLS; TYP. @ ALL LOCATIONS, ENTIRE WALL TO RECEIVE LEVEL 5 FINISH (SEE SPECIFICATION)
7. INFILL OPENING IN EXISTING MASONRY WALL RESULTING FROM DEMOLISHED MECHANICAL DUCT/GRILLES WITH MASONRY MATCHING ADJACENT MASONRY
8. EXISTING F.E. CABINET TO REMAIN; PROVIDE AND INSTALL F.E. IN EXISTING CABINET
9. EXISTING GYP. BD. COLUMN WRAP; PATCH, REPAIR AND PAINT
10. EXISTING SHIPS LADDER/STAIR, GUARD AND HANDRAIL TO REMAIN; PAINT
11. DOCK LEVELER

LEGEND:

- 001 — DOOR TAG, SEE DOOR SCHEDULE SHEET AE601
- ROOM 000 — ROOM TAG, SEE FINISH SCHEDULE AE601
- INFILL DEPRESSION RESULTING FROM DEMOLISHED HARDWOOD ATHLETIC FLOOR SYSTEM W/ CONCRETE TOPPING; F.F.: 100'-0"
- INFILL RECESS IN EXISTING FLOOR RESULTING FROM DEMOLISHED ACCESS FLOOR SYSTEM W/ 6" CONCRETE SLAB OVER COMPACTED BASE; T.O. SLAB TO BE 100'-0"

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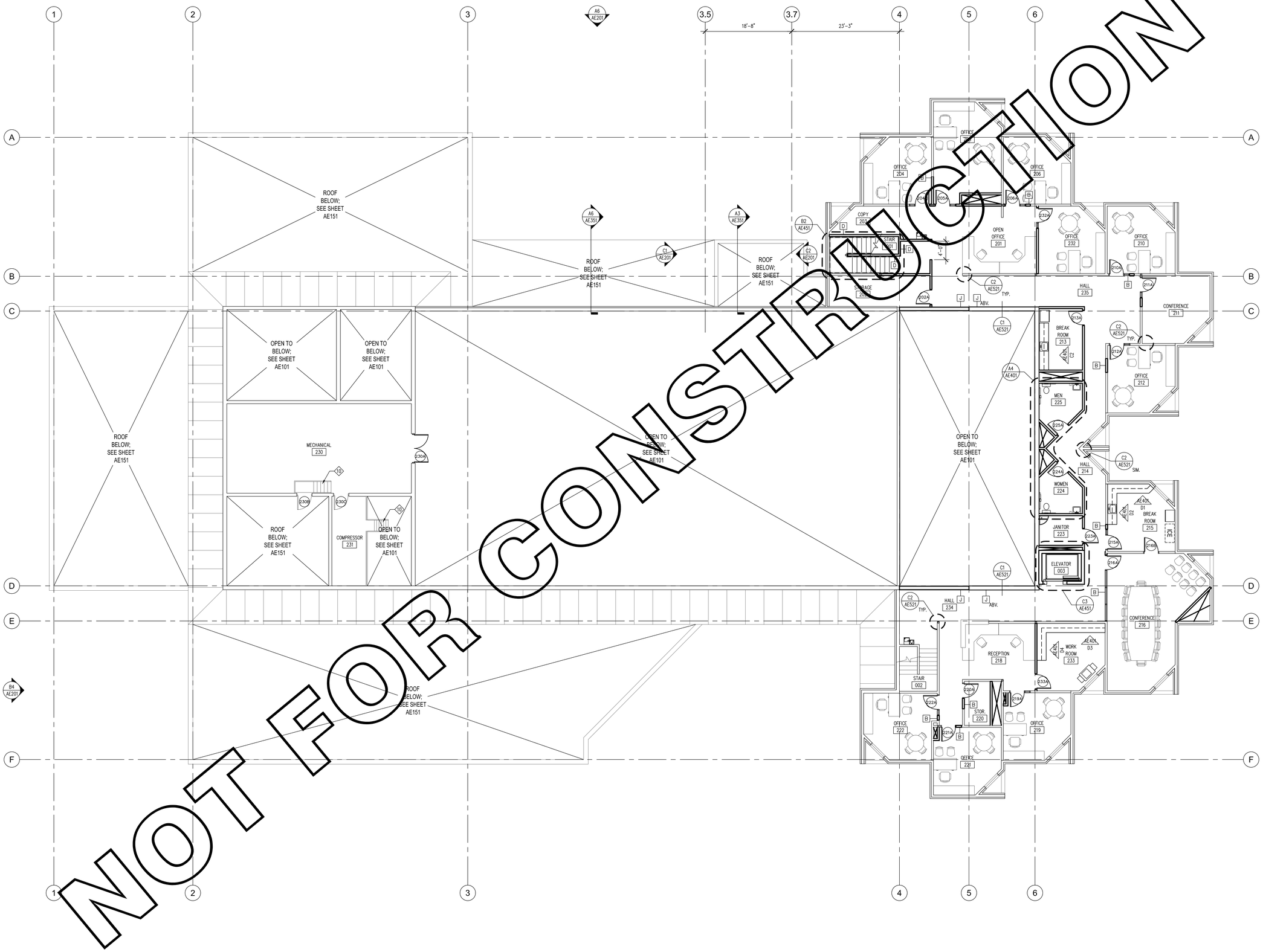
MAIN LEVEL FLOOR PLAN

AE 101



UPPER LEVEL FLOOR PLAN
SCALE 1/8" = 1'-0"

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, U.N.O.
2. SEE C2/AE521 FOR CONDITION ❶ TRANSITION POINT OF EXISTING WALLS TO REMAIN & EXISTING WALLS TO BE REMOVED,NEATLY CUT GYP. BD. & FRAMING BETWEEN EXISTING GYP. SCHEDULED TO REMAIN AND THAT SCHEDULED TO BE REMOVED

KEY NOTES:

1. PATCH GAP IN EXISTING WALL FINISH TO MATCH EXISTING CONSTRUCTION, RESULTING FROM DEMOLITION OF ADJACENT WALLS; TYP. @ ALL LOCATIONS; ENTIRE WALL TO RECEIVE LEVEL 5 FINISH (SEE SPEC.)
2. NOT USED
3. TS COLUMN; PAINT, SEE STRUCTURAL DRAWINGS
4. NOT USED
5. INFILL OPENINGS WITH CMU, MATCH EXISTING CMU
6. PATCH GAP IN EXISTING WALL FINISH TO MATCH EXISTING CONSTRUCTION, RESULTING FROM DEMOLITION OF ADJACENT WALLS; TYP. @ ALL LOCATIONS; ENTIRE WALL TO RECEIVE LEVEL 5 FINISH (SEE SPECIFICATION)
7. INFILL OPENING IN EXISTING MASONRY WALL RESULTING FROM DEMOLISHED MECHANICAL DUCT/GRILLES WITH MASONRY MATCHING ADJACENT MASONRY
8. EXISTING F.E. CABINET TO REMAIN; PROVIDE AND INSTALL F.E. IN EXISTING CABINET
9. EXISTING GYP. BD. COLUMN WRAP; PATCH, REPAIR AND PAINT
10. EXISTING SHIPS LADDER/STAIR, GUARD AND HANDRAIL TO REMAIN; PAINT
11. DOCK LEVELER

LEGEND:

- 001 — DOOR TAG, SEE DOOR SCHEDULE SHEET AE601
- ROOM 000 — ROOM TAG, SEE FINISH SCHEDULE AE601
- INFILL DEPRESSION RESULTING FROM DEMOLISHED HARDWOOD ATHLETIC FLOOR SYSTEM W/ CONCRETE TOPPING; F.F.: 100'-0"
- INFILL RECESS IN EXISTING FLOOR RESULTING FROM DEMOLISHED ACCESS FLOOR SYSTEM W/ 6" CONCRETE SLAB OVER COMPACTED BASE; T.O. SLAB TO BE 100'-0"

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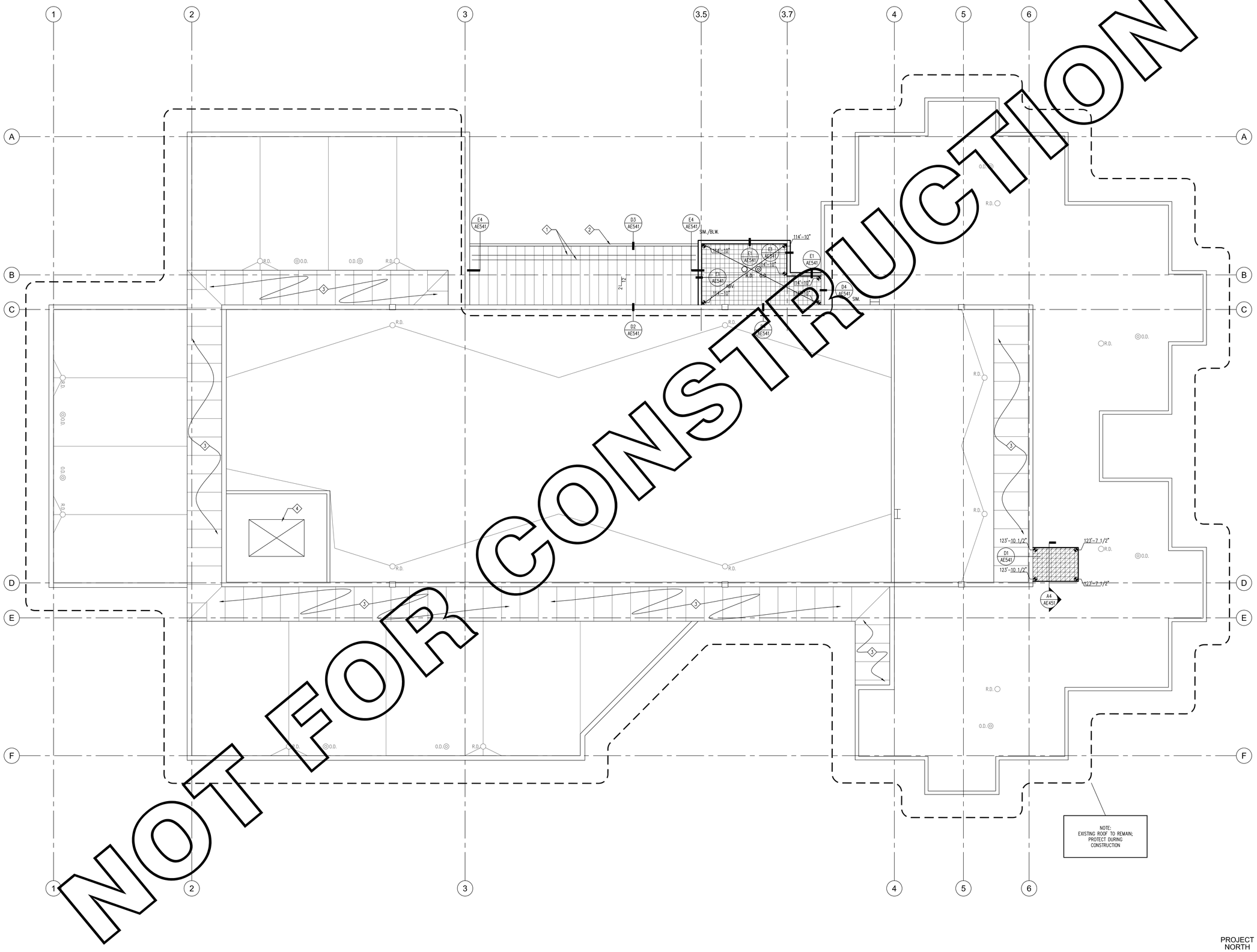
UPPER LEVEL FLOOR PLAN

AE 102



NOT FOR CONSTRUCTION

ROOF PLAN
SCALE 1/8" = 1'-0"

PROJECT NORTH

GENERAL NOTES:

1. --

KEY NOTES:

1. CONT. SNOW GUARD
2. COMPLETE GUTTER SYSTEM
3. EXISTING SKYLIGHT SYSTEM TO REMAIN
4. MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS

LEGEND:

- PIPE PENETRATION, SEE DETAIL XX/AE541
- R.D. PRIMARY ROOF DRAIN, SEE DETAIL XX/AE541
- O.D. OVERFLOW ROOF DRAIN, SEE DETAIL XX/AE541
- DECK BEARING ELEVATION
- MECHANICAL EQUIPMENT
- SINGLE-PLY MEMBRANE SYSTEM OVER RIGID INSULATION SLOPED TO DRAIN @ 1/4" PER FT.
- METAL ROOF PANEL SYSTEM
- SINGLE-PLY MEMBRANE SYSTEM OVER 3" RIGID INSULATION, STRUCTURE IS SLOPED

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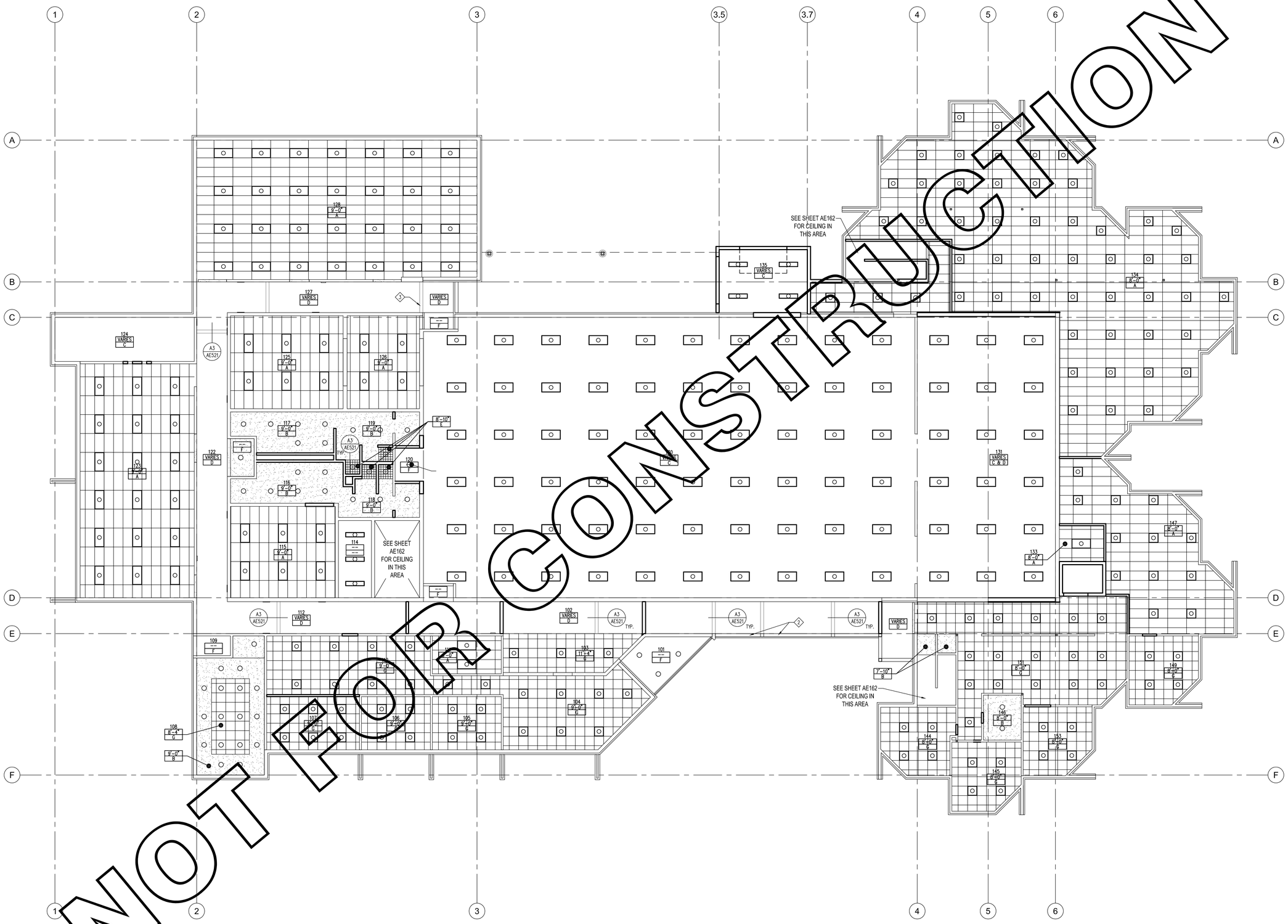
ROOF PLAN

AE 151



MAIN LEVEL REFLECTED CEILING PLAN
SCALE 1/8" = 1'-0"

GENERAL NOTES:

1. --

KEY NOTES:

1. --
2. EXISTING GYP. BD. SOFFIT; PATCH, REPAIR AND PAINT
3. APPLY 5/8" GYP. BD. TO B.O. SOFFIT

CEILING TYPES:

A – 2'-0" X 4'-0" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
B – SUSPENDED GYPSUM BOARD CEILING SYSTEM
C – EXPOSED STRUCTURE; PAINT
D – EXISTING SKYLIGHT SYSTEM
E – 6" X 6" WALL TILE OVER SUSPENDED CONTINUOUS BACKER BOARD
F – EXISTING CEILING TO REMAIN; PATCH, REPAIR & PAINT
G – 2'-0" X 2'-0" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM

REFLECTED CEILING PLAN LEGEND

- RETURN AIR GRILL, SEE MECHANICAL DRAWINGS
- SUPPLY AIR GRILL, SEE MECHANICAL DRAWINGS
- ROOM NUMBER / CEILING HEIGHT / CEILING TYPE
- 2X4 FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- 2X4 FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- RECESSED DOWN LIGHT, SEE ELECTRICAL DRAWINGS
- CEILING MOUNT LIGHT, SEE ELECTRICAL DRAWINGS
- INDIRECT FIXTURE, SEE ELECTRICAL DRAWINGS

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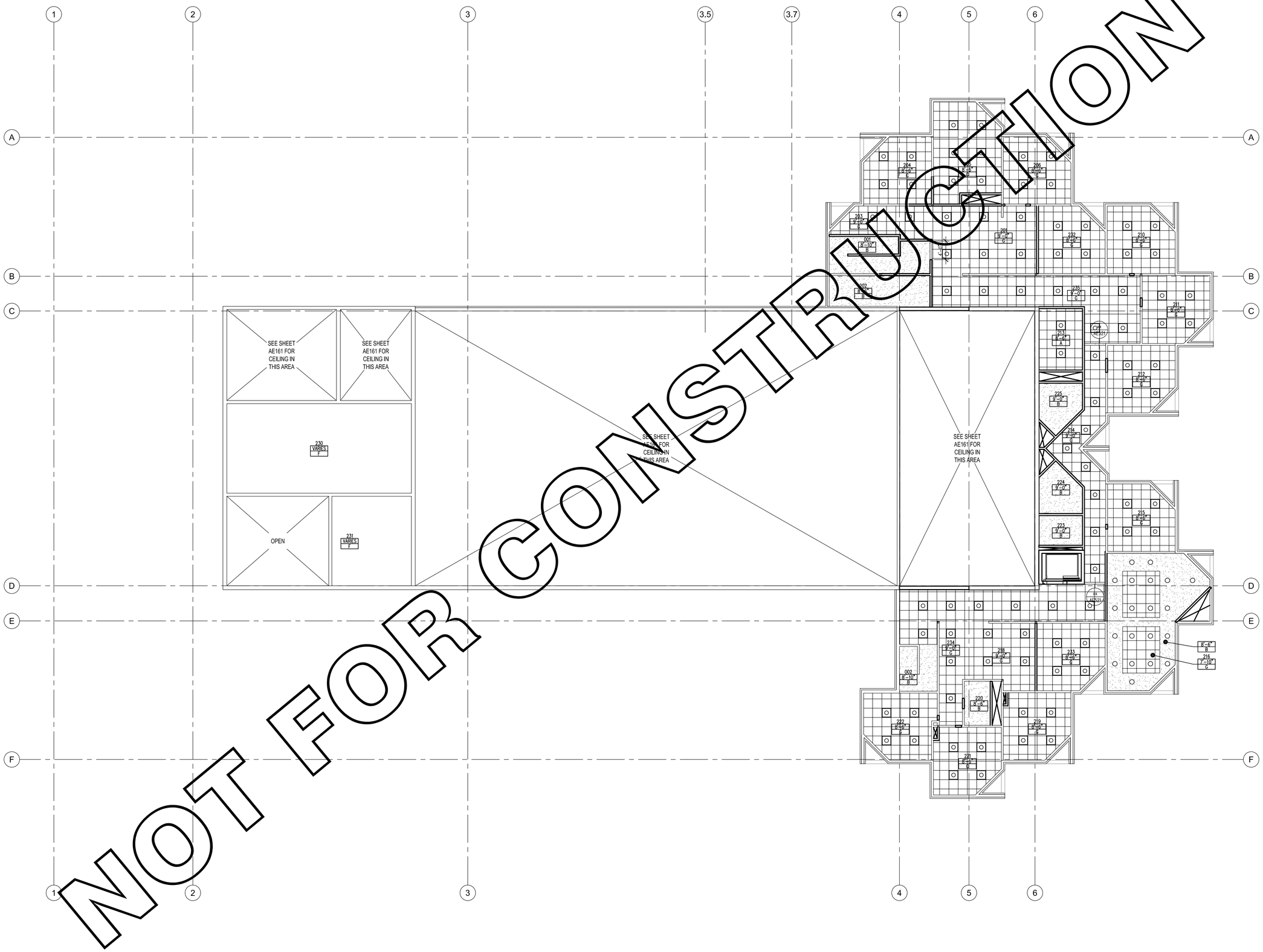
MAIN LEVEL REFLECTED CEILING PLAN

AE 161



NOT FOR CONSTRUCTION

UPPER LEVEL REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"

N

GENERAL NOTES:

1. --

KEY NOTES:

1. --
2. EXISTING GYP. BD. SOFFIT; PATCH, REPAIR AND PAINT
3. APPLY 5/8" GYP. BD. TO B.O. SOFFIT

CEILING TYPES:

A – 2'-0" X 4'-0" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM

B – SUSPENDED GYPSUM BOARD CEILING SYSTEM

C – EXPOSED STRUCTURE; PAINT

D – EXISTING SKYLIGHT SYSTEM

E – 6" X 6" WALL TILE OVER SUSPENDED CONTINUOUS BACKER BOARD

F – EXISTING CEILING TO REMAIN; PATCH, REPAIR & PAINT

G – 2'-0" X 2'-0" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM

REFLECTED CEILING PLAN LEGEND

- RETURN AIR GRILL, SEE MECHANICAL DRAWINGS
- SUPPLY AIR GRILL, SEE MECHANICAL DRAWINGS
- ROOM NUMBER / CEILING HEIGHT / CEILING TYPE
- 2X4 FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- 2X4 FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- RECESSED DOWN LIGHT, SEE ELECTRICAL DRAWINGS
- CEILING MOUNT LIGHT, SEE ELECTRICAL DRAWINGS
- INDIRECT FIXTURE, SEE ELECTRICAL DRAWINGS

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UPPER LEVEL REFLECTED CEILING PLAN

AE 162

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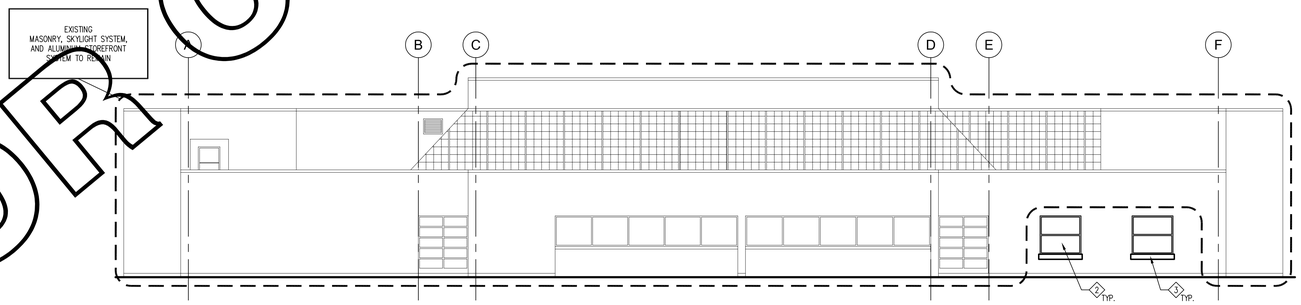
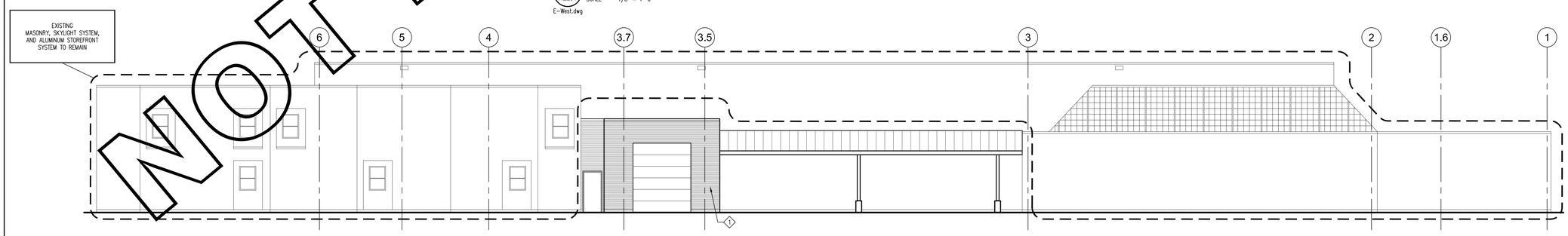


B4 / AE201 WEST ELEVATION
SCALE 1/8" = 1'-0"
E-West.dwg



A6 / AE201 NORTH ELEVATION
SCALE 1/8" = 1'-0"
E-North.dwg

KEY NOTES:

1. MASONRY
2. ALUMINUM STOREFRONT SYSTEM
3. PRE-CAST CONCRETE SILL

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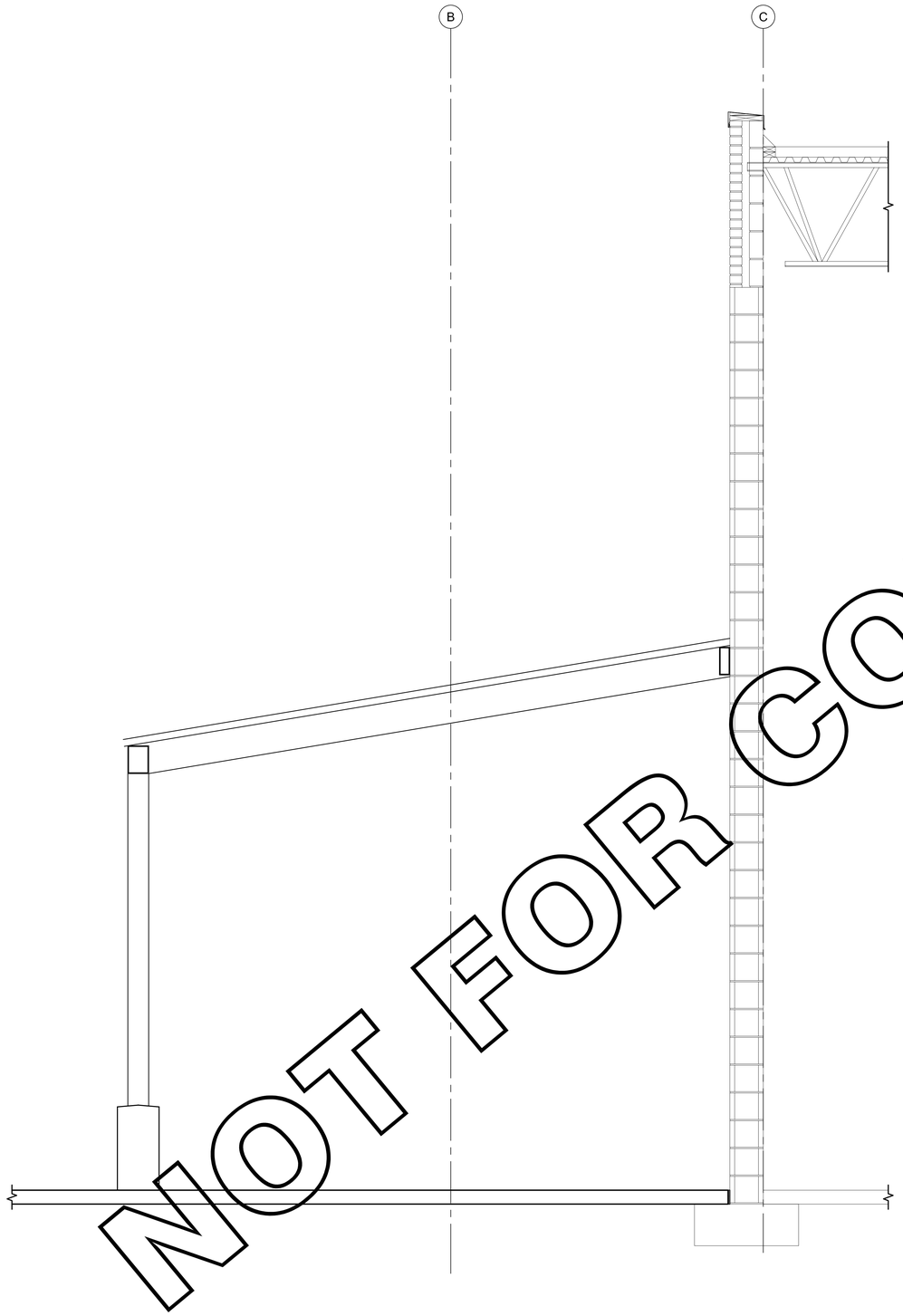
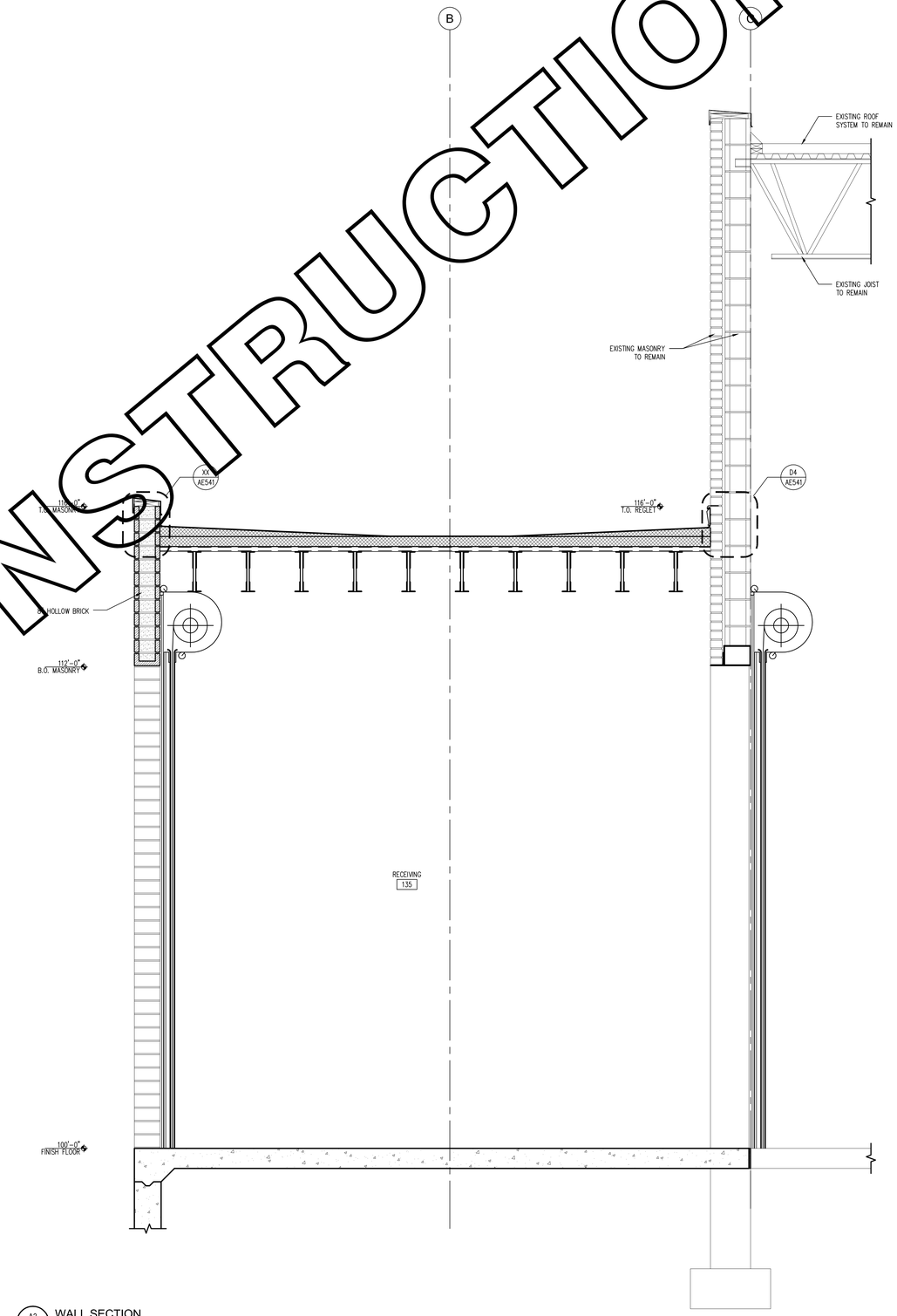
EXTERIOR ELEVATIONS

AE 201



A6 AE351 WALL SECTION
SCALE 3/4" = 1'-0"
W-01.dwg



A3 AE351 WALL SECTION
SCALE 3/4" = 1'-0"
W-02.dwg

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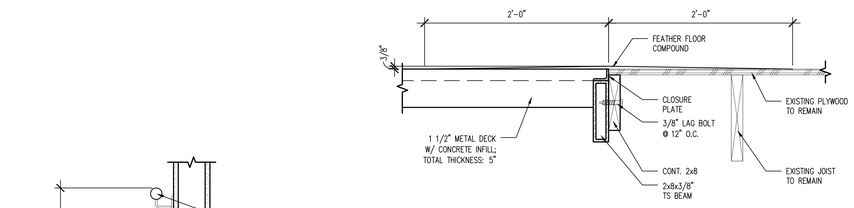
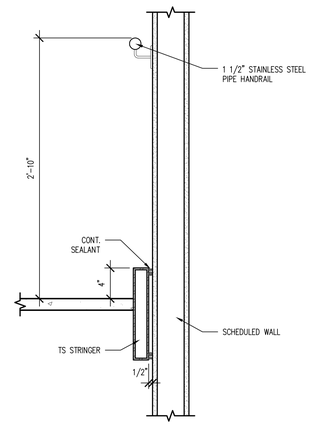
WALL SECTIONS

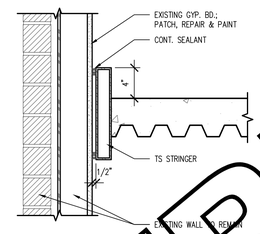
AE 351



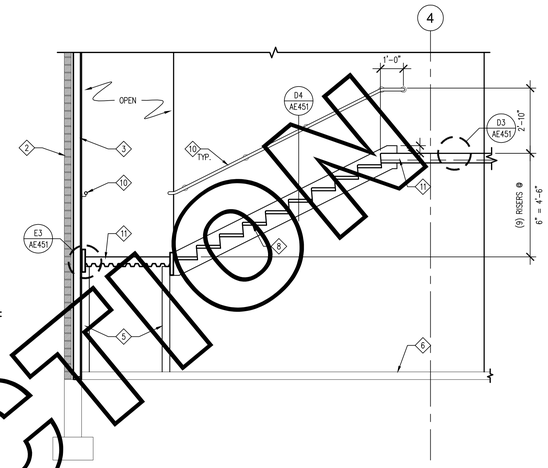
E3 AE451 STAIR LANDING DETAIL
SCALE 1 1/2" = 1'-0"
S-03.dwg



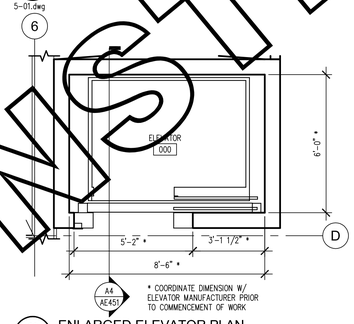
D4 AE451 STAIR DETAIL
SCALE 1 1/2" = 1'-0"
S-02.dwg



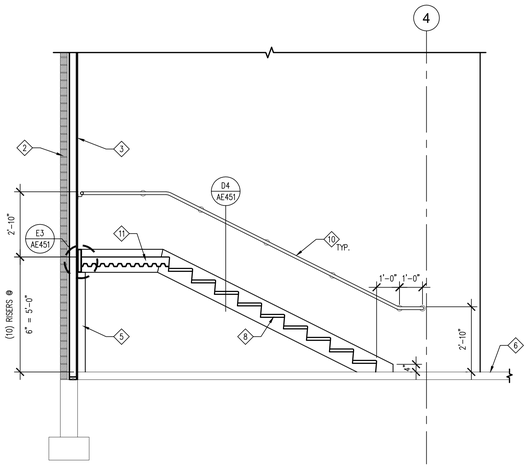
D3 AE451 STRINGER DETAIL
SCALE 1 1/2" = 1'-0"
S-01.dwg



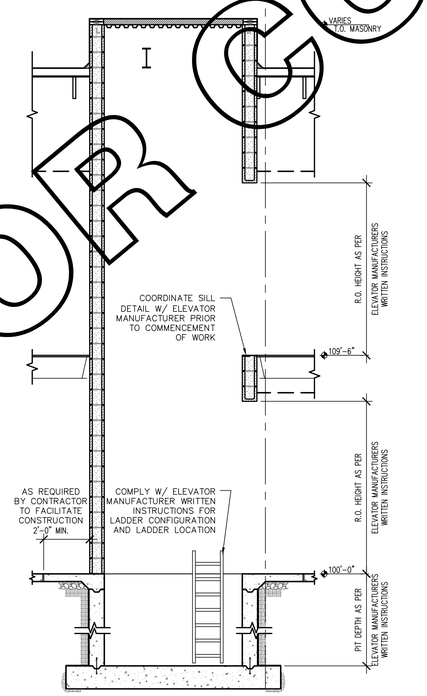
D2 AE451 STAIR SECTION
SCALE 3/8" = 1'-0"
S-02.dwg



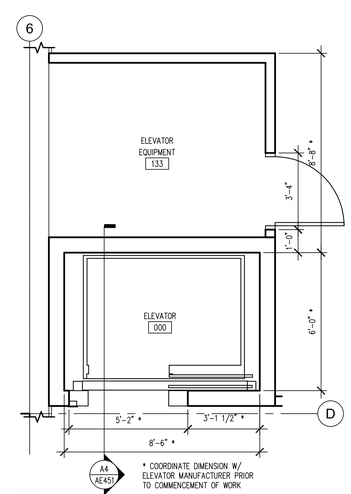
C3 AE451 ENLARGED ELEVATOR PLAN
SCALE 3/8" = 1'-0"
P-07.dwg



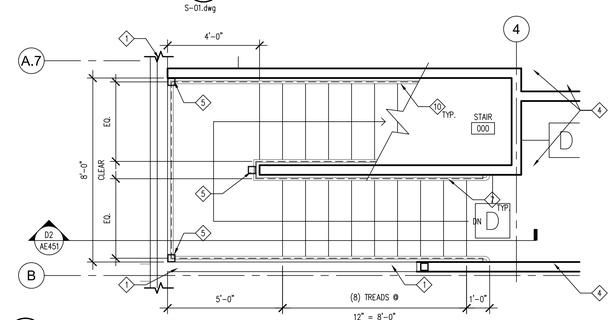
C2 AE451 STAIR SECTION
SCALE 3/8" = 1'-0"
S-01.dwg



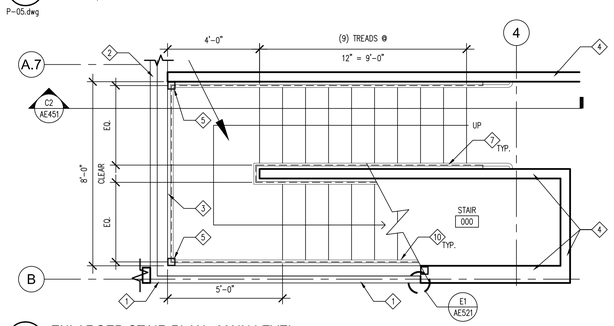
A4 AE451 SECTION @ ELEVATOR
SCALE 3/8" = 1'-0"
S-04.dwg



A3 AE451 ENLARGED ELEVATOR PLAN
SCALE 3/8" = 1'-0"
P-06.dwg



B2 AE451 ENLARGED STAIR PLAN - UPPER LEVEL
SCALE 3/8" = 1'-0"
P-05.dwg



A2 AE451 ENLARGED STAIR PLAN - MAIN LEVEL
SCALE 3/8" = 1'-0"
P-04.dwg

KEY NOTES:

1. EXISTING BRICK VENEER TO REMAIN; PATCH, REPAIR & PAINT
2. EXISTING WALL TO REMAIN; PROTECT DURING CONSTRUCTION
3. PATCH, REPAIR & PAINT EXISTING GYP. BOARD
4. SCHEDULED WALL
5. 4 X 4 X 3/8" TUBE STEEL COLUMN
6. EXISTING CONCRETE SLAB TO REMAIN
7. DASHED LINE INDICATES STRINGER
8. STEEL PAN STAIR WITH CONCRETE INFILL TREADS
9. 2" X 12" X 3/8" TUBE STEEL BROKEN BACK STRINGER
10. 1 1/2" STAINLESS STEEL PIPE HANDRAIL
11. 1 1/2" METAL DECK WITH CONCRETE INFILL; TOTAL DEPTH 5"

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VERTICAL CIRCULATION

AE 451

NOT FOR CONSTRUCTION

DOOR AND FRAME SCHEDULE

DOOR	DOOR SIZE WxH	DOOR TYPE	DOOR MATL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATL	FRAME FINISH	DETAIL AE591 HEAD	DETAIL AE591 JAMB	DETAIL AE591 THRSH	FIRE RATING	NOTES
101A	EXISTING	--	--	--	--	--	--	--	--	--	--	--	2
101B	EXISTING	--	--	--	--	--	--	--	--	--	--	--	2
102A	4'-0" x 7'-0"	D1	WD	--	--	F3	HM	--	--	--	--	--	--
102B	4'-0" x 7'-0"	D1	WD	--	--	F3	HM	--	--	--	--	--	--
103A	EXISTING	D1	WD	--	--	F3	HM	--	--	--	--	--	--
104A	EXISTING	D1	WD	--	--	F5	HM	--	--	--	--	--	5
105A	EXISTING	D1	WD	--	--	F5	HM	--	--	--	--	--	5
106A	3'-0" x 7'-0"	D1	WD	--	--	F5	HM	--	--	--	--	--	5
107A	EXISTING	D1	WD	--	--	F3	HM	--	--	--	--	--	1
108A	3'-0" x 7'-0"	D1	WD	--	--	F5	HM	--	--	--	--	--	5
108B	EXISTING	D1	WD	--	--	F3	HM	--	--	--	--	--	1
109A	3'-0" x 7'-0"	D1	WD	--	--	F5	HM	--	--	--	--	--	5
110A	EXISTING	D1	WD	--	--	F3	HM	--	--	--	--	--	1
111A	EXISTING	D1	WD	--	--	F5	--	--	--	--	--	--	5
112A	4'-0" x 7'-0"	D1	WD	--	--	F3	HM	--	--	--	--	--	1
113A	EXISTING	D1	WD	--	--	F5	--	--	--	--	--	--	5
114A	EXISTING	--	--	--	--	--	--	--	--	--	--	--	2
114B	EXISTING	D1	WD	--	--	F1	HM	--	--	--	--	--	--
115A	EXISTING	D1	WD	--	--	F5	--	--	--	--	--	--	5
115B	EXISTING	D1	WD	--	--	F5	--	--	--	--	--	--	5
116A	EXISTING	D1	WD	--	--	F5	--	--	--	--	--	--	5
117A	3'-0" x 7'-0"	D1	WD	--	--	F5	--	--	--	--	--	--	5
118A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	--
119A	EXISTING	D1	WD	--	--	F1	HM	--	--	--	--	--	--
124A	EXISTING	D1	WD	--	--	F5	HM	--	--	--	--	--	5
125A	EXISTING	D1	WD	--	--	F5	--	--	--	--	--	--	5
125B	EXISTING	D1	WD	--	--	F5	--	--	--	--	--	--	5
126A	EXISTING	D1	WD	--	--	F5	--	--	--	--	--	--	5
129A	PR 3'-0" x 7'-0"	--	--	--	--	--	--	--	--	--	--	--	2
130A	EXISTING	D1	WD	--	--	--	HM	--	--	--	--	--	5
130B	PR 3'-0" x 7'-0"	D1	WD	--	--	F5	HM	--	--	--	--	--	5
130C	3'-0" x 7'-0"	D1	HM	--	--	F1	HM	--	--	--	--	--	--
133A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	45 MIN.	--
134A	3'-0" x 7'-0"	D1	HM	--	--	F1	HM	--	--	--	--	--	--
135A	10'-0" x 10'-0"	--	--	--	--	--	--	--	--	--	--	--	4
135B	10'-0" x 10'-0"	--	--	--	--	--	--	--	--	--	--	--	3
135C	10'-0" x 12'-0"	--	--	--	--	--	--	--	--	--	--	--	3
135D	4'-6" x 7'-0"	D1	HM	--	--	F1	HM	--	--	--	--	--	--
136A	EXISTING	--	--	--	--	--	--	--	--	--	--	--	2
144A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1
145A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1
146A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1
147A	4'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	--
147B	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	--
149A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
153A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1
202A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1
204A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
205A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
206A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
210A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
211A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
212A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
213A	3'-0" x 7'-0"	A	WD	--	--	A	HM	--	--	--	--	--	--
215A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
216A	3'-0" x 7'-0"	D1	WD	--	--	F3	HM	--	--	--	--	--	1
216B	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1
219A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
220A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1
221A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1
222A	3'-0" x 7'-0"	D1	WD	--	--	F4	HM	--	--	--	--	--	1
223A	3'-0" x 7'-0"	A	WD	--	--	A	HM	--	--	--	--	--	--
224A	3'-0" x 7'-0"	A	WD	--	--	A	HM	--	--	--	--	--	--
225A	3'-0" x 7'-0"	A	WD	--	--	A	HM	--	--	--	--	--	--
230A	PR 3'-0" x 7'-0"	D1	HM	--	--	F1	HM	--	--	--	--	--	--
230B	3'-0" x 7'-0"	D1	HM	--	--	F1	HM	--	--	--	--	--	--
230C	EXISTING	D1	HM	--	--	F1	HM	--	--	--	--	--	--
232A	EXISTING	D1	WD	--	--	F4	HM	--	--	--	--	--	1
233A	3'-0" x 7'-0"	D1	WD	--	--	F1	HM	--	--	--	--	--	1

NOTES:
1) KNOCK-DOWN FRAME
2) EXISTING DOOR & FRAME TO REMAIN
3) O.H. COILING DOOR
4) HIGH SPEED O.H. COILING DOOR
5) EXISTING FRAME TO REMAIN; PATCH & REPAIR FRAME; PREP FRAME FOR SCHEDULED DOOR & HARDWARE

ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR	BASE	WALLS N	WALLS E	WALLS S	WALLS W	NOTES
001	STAIR	--	--	--	--	--	--	--
002	STAIR	--	--	--	--	--	--	--
003	ELEVATOR	--	--	--	--	--	--	--
101	VESTIBULE	--	--	--	--	--	--	--
102	CORRIDOR	--	--	--	--	--	--	--
103	WAITING	--	--	--	--	--	--	--
104	RECEPTION	--	--	--	--	--	--	--
105	OFFICE	--	--	--	--	--	--	--
106	OFFICE	--	--	--	--	--	--	--
107	OFFICE	--	--	--	--	--	--	--
108	CONFERENCE	--	--	--	--	--	--	--
109	JANITOR	--	--	--	--	--	--	--
110	OPEN OFFICE	--	--	--	--	--	--	--
111	FILES	--	--	--	--	--	--	--
112	CORRIDOR	--	--	--	--	--	--	--
113	ELECTRICAL	--	--	--	--	--	--	--
114	SERVER / COMM.	--	--	--	--	--	--	--
115	BREAK	--	--	--	--	--	--	--
116	MEN	--	--	--	--	--	--	--
117	WOMEN	--	--	--	--	--	--	--
118	MENS LOCKER	--	--	--	--	--	--	--
119	WOMENS LOCKER	--	--	--	--	--	--	--
120	VESTIBULE	--	--	--	--	--	--	--
122	CORRIDOR	--	--	--	--	--	--	--
123	PRINTING	--	--	--	--	--	--	--
124	MECHANICAL	--	--	--	--	--	--	--
125	MAIL STORAGE	--	--	--	--	--	--	--
126	MAIL STORAGE	--	--	--	--	--	--	--
127	CORRIDOR	--	--	--	--	--	--	--
128	PRINTING	--	--	--	--	--	--	--
130	MAIL SORTING	--	--	--	--	--	--	--
131	MAIL SORTING	--	--	--	--	--	--	--
133	ELEVATOR EQUIPMENT	--	--	--	--	--	--	--
134	EQUIPMENT ROOM	--	--	--	--	--	--	--
135	RECEIVING	--	--	--	--	--	--	--
136	VESTIBULE	--	--	--	--	--	--	--
141	TELEPHONE	--	--	--	--	--	--	--
144	OFFICE	--	--	--	--	--	--	--
145	OFFICE	--	--	--	--	--	--	--
146	UNISEX REST ROOM	--	--	--	--	--	--	--
147	STORAGE	--	--	--	--	--	--	--
149	OFFICE	--	--	--	--	--	--	--
151	OPEN OFFICE	--	--	--	--	--	--	--
201	OPEN OFFICE	--	--	--	--	--	--	--
202	STORAGE	--	--	--	--	--	--	--
203	COPY	--	--	--	--	--	--	--
204	OFFICE	--	--	--	--	--	--	--
205	OFFICE	--	--	--	--	--	--	--
206	OFFICE	--	--	--	--	--	--	--
210	OFFICE	--	--	--	--	--	--	--
211	CONFERENCE	--	--	--	--	--	--	--
212	OFFICE	--	--	--	--	--	--	--
213	BREAK ROOM	--	--	--	--	--	--	--
214	HALL	--	--	--	--	--	--	--
215	BREAK ROOM	--	--	--	--	--	--	--
216	CONFERENCE	--	--	--	--	--	--	--
218	RECEPTION	--	--	--	--	--	--	--
219	OFFICE	--	--	--	--	--	--	--
220	STOR.	--	--	--	--	--	--	--
221	OFFICE	--	--	--	--	--	--	--
222	OFFICE	--	--	--	--	--	--	--
223	JANITOR	--	--	--	--	--	--	--
224	WOMEN	--	--	--	--	--	--	--
225	MEN	--	--	--	--	--	--	--
230	MECHANICAL	--	--	--	--	--	--	--
231	COMPRESSOR	--	--	--	--	--	--	--
232	OFFICE	--	--	--	--	--	--	--
233	WORK ROOM	--	--	--	--	--	--	--
234	HALL	--	--	--	--	--	--	--
235	HALL	--	--	--	--	--	--	--

FINISH SCHEDULE

FLOOR FINISH

F1	CARPET TILE
F2	VCT
F3	2" X 2" CERAMIC MOSAIC; SEAL GROUT
F4	SEALED CONCRETE
F5	12" X 12" PORCELAIN TILE; SEAL GROUT

BASE FINISH

B1	NOT USED
B2	4" RUBBER BASE
B3	NOT USED
B4	4" X 4" COVED WALL TILE BASE
B5	6" X 8" COVED PORCELAIN TILE BASE

WALL FINISH

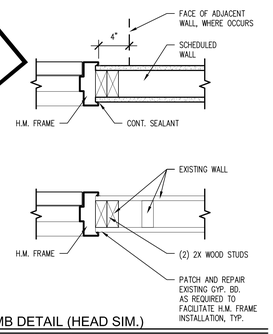
W1	PAINTED SURFACE
W2	PAINTED SURFACE W/ 3/4" X 2 1/2" HARDWOOD CHAIR RAIL @ 2'-8" A.F.F.
W3	6" X 6" CERAMIC WALL TILE; FULL HEIGHT OF WALL

GLAZING SCHEDULE

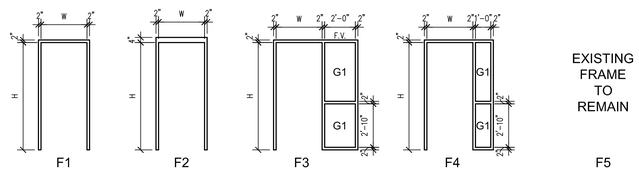
G1	1/4" CLEAR - TEMPERED
G2	1/4" CLEAR
G3	1" INSULATED - TEMPERED
G4	1" INSULATED

GENERAL NOTES:

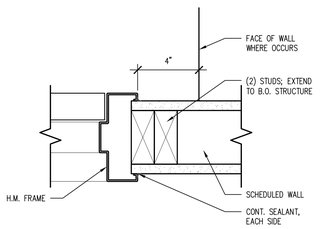
1. H.M. DOORS & FRAMES TO BE PAINTED DIFFERENT COLOR THAN WALLS



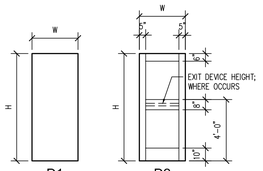
A5 / AE601 JAMB DETAIL (HEAD SIM.)
SCALE 1 1/2" = 1'-0"
9-02.DWG



A4 / AE601 FRAME TYPES
SCALE 1/4" = 1'-0"
T-DWG



A2 / AE601 INTERIOR H.M. DOOR JAMB
SCALE 3" = 1'-0"
9-01.DWG



A1 / AE601 DOOR TYPES
SCALE 1/4" = 1'-0"
T-DWG

NOT FOR CONSTRUCTION

STATE MAIL SERVICES

WEST VALLEY, UTAH

JRCA
ARCHITECTS
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Salt Lake City, Utah 84111
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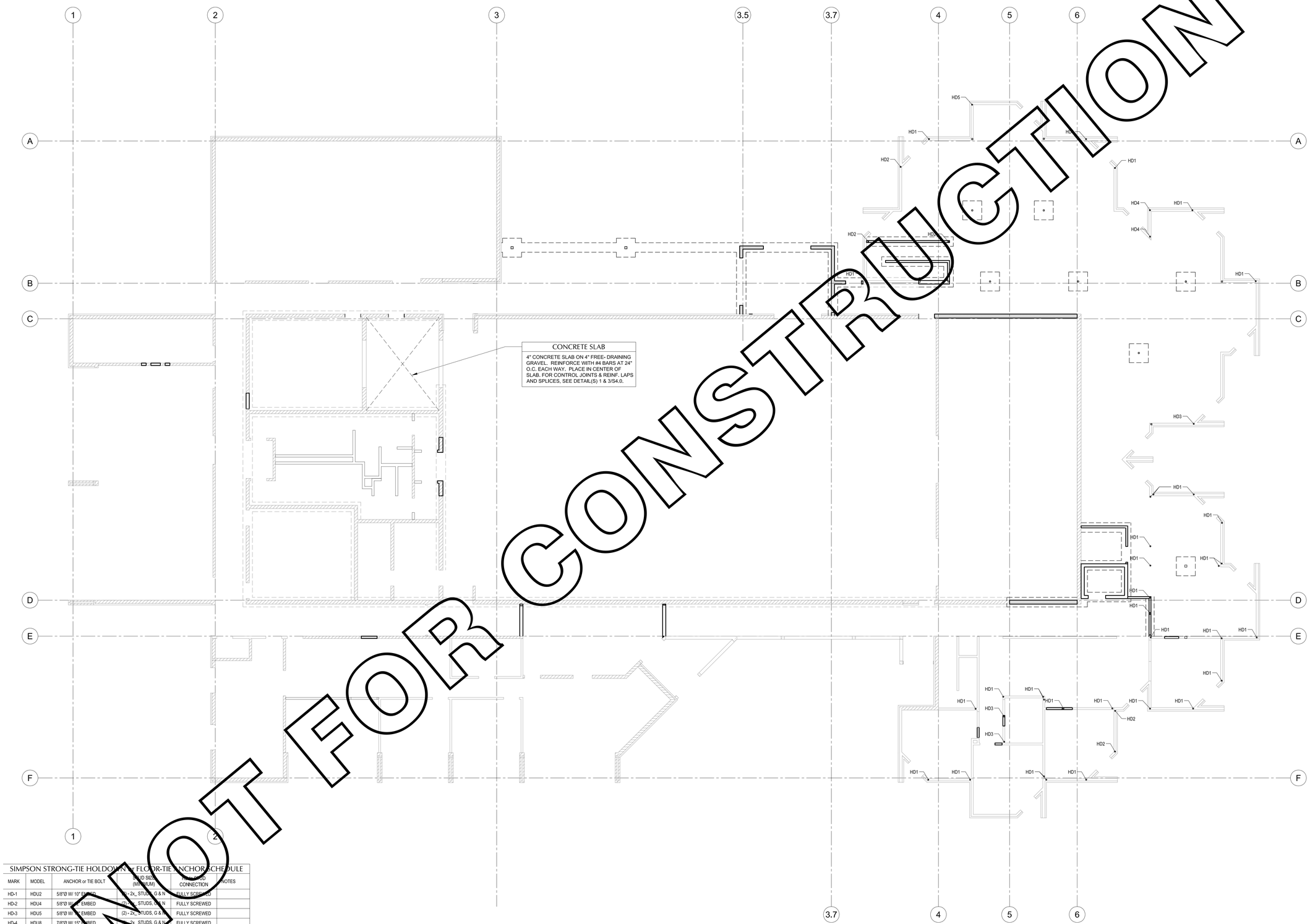
SCHEDULES / DOOR & FRAME TYPES

AE 601



NOT FOR CONSTRUCTION

SIMPSON STRONG-TIE HOLDOWN or FLOOR-TIE ANCHOR SCHEDULE

MARK	MODEL	ANCHOR or TIE BOLT	STUD SIZE (MINIMUM)	FASTENER CONNECTION	NOTES
HD-1	HDU2	5/8"Ø W/ 10" EMBED	(2) - 2x_ STUDS, G & N	FULLY SCREWED	
HD-2	HDU4	5/8"Ø W/ 15" EMBED	(2) - 2x_ STUDS, G & N	FULLY SCREWED	
HD-3	HDU5	5/8"Ø W/ 15" EMBED	(2) - 2x_ STUDS, G & N	FULLY SCREWED	
HD-4	HDU8	7/8"Ø W/ 15" EMBED	(3) - 2x_ STUDS, G & N	FULLY SCREWED	
HD-5	HDU11	1"Ø W/ 15" EMBED	(4) - 2x_ STUDS, G & N	FULLY SCREWED	

HD = HOLDOWN
EMBED. = EMBEDMENT LENGTH INTO CONCRETE
G & N = GLUE AND NAIL W/ 16D @ 8" O.C. STAGGERED
D & E = DRILLED & EPOXY ANCHOR

NOTES:
1. WASHER REQUIRED UNDER ALL BOLT NUTS, INCLUDING NUTS ON ANCHOR BOLT. STUD SIZE REPRESENTS THE MINIMUM SIZE AND NUMBER OF STUDS REQUIRED AT HOLDOWN.
2. 1 1/2" SPACE REQUIRED BETWEEN THE BOTTOM OF HOLDOWN AND WALL PLATE. TYPICAL ALL HOLDOWNS.
3. ANY HOLDOWN MAY BE REPLACED WITH A HOLDOWN THAT FOLLOWS IN THE HOLDOWN SCHEDULE.
4. ALL STUDS ATTACHED TO HOLDOWN ARE REQUIRED TO BE NAILED WITH THE REQUIRED PANEL EDGE NAILING OR 4"o.c. MINIMUM WHICHEVER IS MORE RESTRICTIVE.
5. INSTALL HOLDOWN PER MANUFACTURER'S RECOMMENDATIONS, UNO.

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, U.N.O.

KEY NOTES:

1

LEGEND:

001	DOOR TAG, SEE DOOR SCHEDULE SHEET AE601
ROOM 000	ROOM TAG, SEE FINISH SCHEDULE AE601
	INFILL DEPRESSION RESULTING FROM DEMOLITISHED HARDWOOD ATHLETIC FLOOR SYSTEM W/ CONCRETE TOPPING
	INFILL RECESS IN EXISTING FLOOR RESULTING FROM DEMOLISHED ACCESS FLOOR SYSTEM W/ 6" CONCRETE SLAB OVER COMPACTED BASE; T.O. SLAB TO BE 100'-0"

STATE MAIL SERVICES

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REGISTERED PROFESSIONAL ENGINEER
No.189660
CLIFF R. COLE
STATE OF UTAH

FOOTING AND FOUNDATION PLAN

SE 101

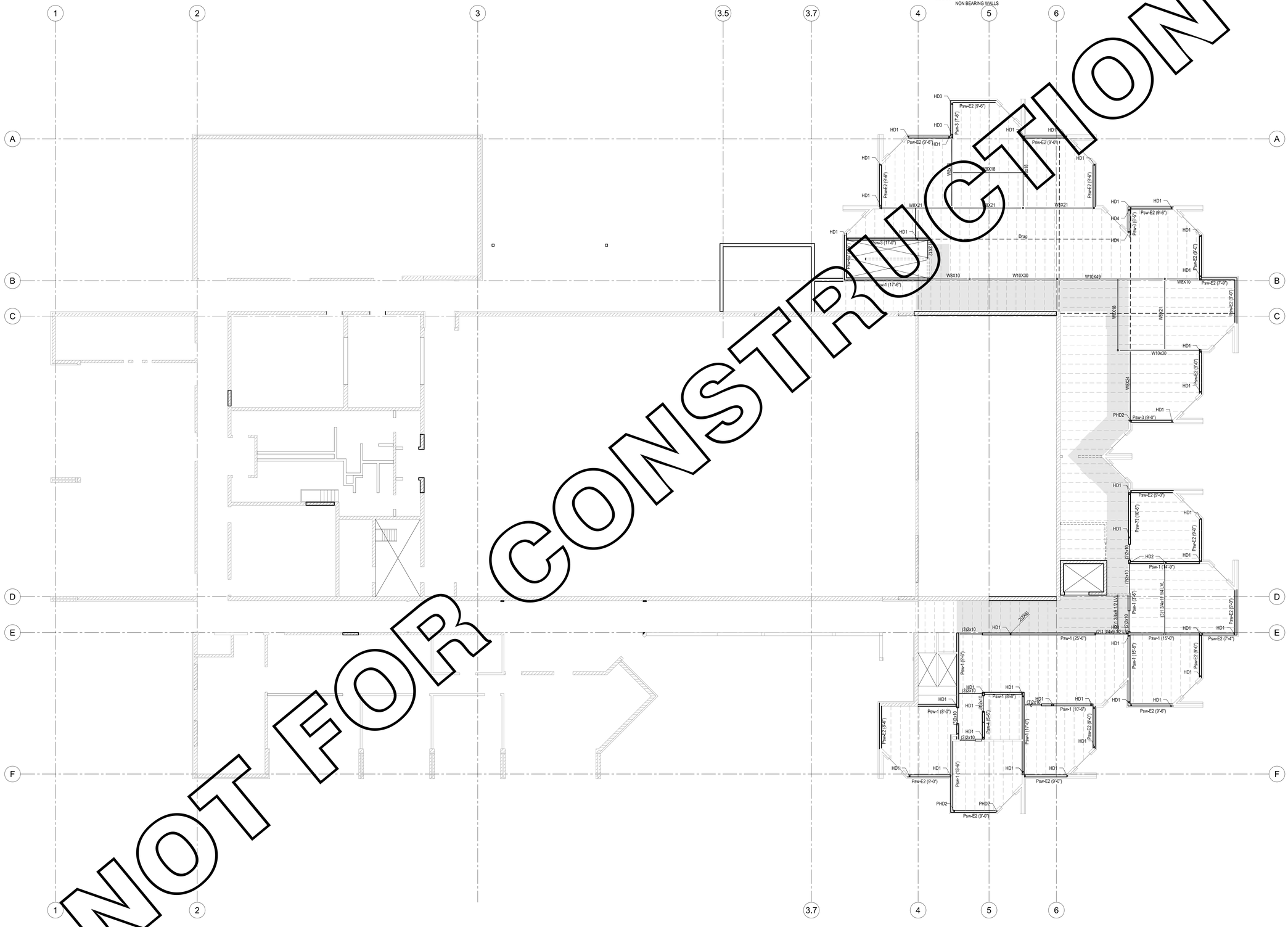
NOTES:

HATCHE AREA WAS DESIGNED FOR CORRODOR LOADING OF 80 PSF

NEW WOOD SHEAR WALLS WITH HOLDOWNS EACH END

EXISTING INTERIOR BEARING WALLS, OR EXTERIOR WALLS

NON BEARING WALLS



NOT FOR CONSTRUCTION

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, U.N.O.

KEY NOTES:

1

LEGEND:

001	DOOR TAG, SEE DOOR SCHEDULE SHEET AE601
ROOM1 / 000	ROOM TAG, SEE FINISH SCHEDULE AE601
	INFILL DEPRESSION RESULTING FROM DEMOLITISHED HARDWOOD ATHLETIC FLOOR SYSTEM W/ CONCRETE TOPPING
	INFILL RECESS IN EXISTING FLOOR RESULTING FROM DEMOLISHED ACCESS FLOOR SYSTEM W/ 6" CONCRETE SLAB OVER COMPACTED BASE; T.O. SLAB TO BE 100'-0"

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11 · 17 · 08	08008

REGISTERED PROFESSIONAL ENGINEER
No.189660
CLIFF R. COLE
STATE OF UTAH

FLOOR FRAMING PLAN

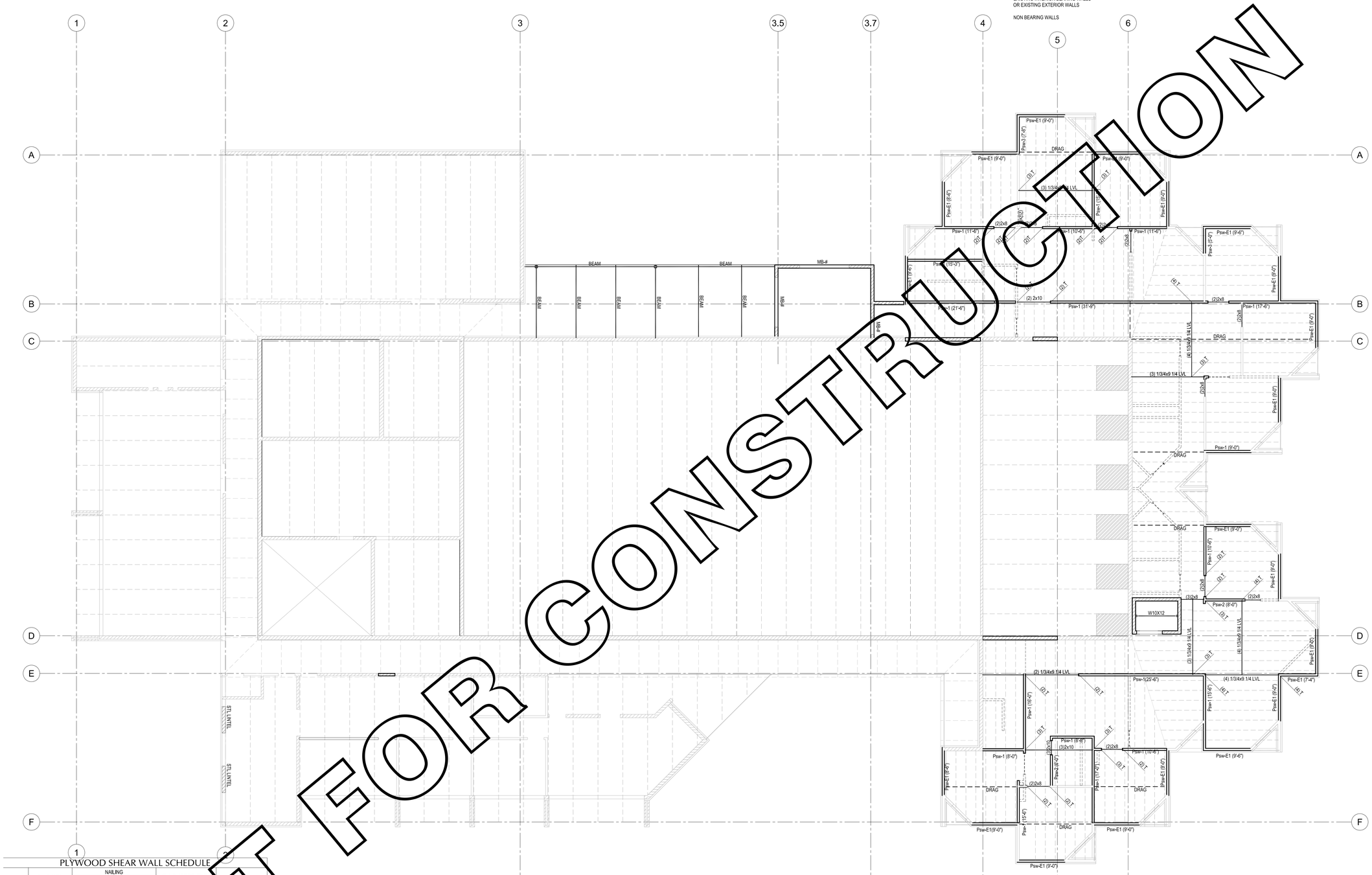
SE 201

NOTES:

NEW WOOD SHEAR WALLS WITH HOLDOWNS EACH END

EXISTING INTERIOR BEARING WALLS OR EXISTING EXTERIOR WALLS

NON BEARING WALLS



NOT FOR CONSTRUCTION

PLYWOOD SHEAR WALL SCHEDULE

MARK	SHEATHING A.P.A. RATED	NAILING		SILL PLATE BOLTS TO FOUNDATION	REMARKS
		PANEL EDGES	INTERMEDIATE SUPPORTS		
Psw-e1	3/8 (1) SIDE	8d @ 4" O.C.	8d @ 12" O.C.	2x w/ 5/8" Ø @ 32" O.C.	NOTE 15
Psw-e2	3/8 (1) SIDE	8d @ 2" O.C.	10d @ 12" O.C.	2x w/ 5/8" Ø @ 32" O.C.	NOTE 15
Psw-1	15/32 (1) SIDE	10d @ 4" O.C.	10d @ 12" O.C.		
Psw-2	15/32 (1) SIDE	10d @ 3" O.C.	10d @ 12" O.C.		NOTE 1
Psw-3	19/32 (1) SIDE	10d @ 2" O.C.	10d @ 12" O.C.		NOTE 1, 13
Psw-4	15/32 (1) SIDE	10d @ 4" O.C.	10d @ 12" O.C.		

NOTE:

1. USE EXPOSURE 1 APA RATED SHEATHING WITH A MINIMUM SPAN INDEX OF 24/16.
2. ALL SHEATHING PANEL EDGES SHALL BE BLOCKED WITH A SINGLE COMMON BACK-UP MEMBER, TYPICAL.
3. WHEN BOTH FACES OF THE WALL ARE SHEATHED, STAGGER ALL JOINTS IN PANELS ON BOTH VERTICAL AND HORIZONTAL, ON ONE FACE OF WALL WITH THE JOINTS ON THE OTHER FACE OF THE WALL, TYPICAL.
4. ALL NAILS SHALL BE DRIVEN FLUSH WITH SURFACE OF SHEATHING. DO NOT UNDER OR OVER DRIVE NAILS.
5. USE COMMON NAILS AT SPACING SHOWN. CONTACT THE E.O.R. IF STAPLES ARE TO BE SUBSTITUTED.
6. IF STAPLES ARE USED INSTEAD OF NAILS, ALL SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO STUDS.
7. HORIZONTAL SPLICES IN SHEATHING SHALL NOT OCCUR AT HORIZONTAL JOINTS IN FRAMING. DO NOT PLACE JOINTS AT TOP EDGE OF TOP PLATE OR AT BOTTOM EDGE OF AN UPPER WALL SILL PLATE.
8. ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS WITH A MINIMUM 0.229"X3"X3" IN SIZE.
9. ANCHOR BOLTS IN SILL PLATES SHALL BE PLACED SO AS NOT TO COINCIDE WITH THE LOCATION OF THE STUDS ABOVE.
10. SPECIFIED NAILS ARE COMMON AND SHALL CORRESPOND TO THE FOLLOWING DIAMETERS AND LENGTHS: (16D -0.162"Ø & 3-1/2" LONG; 10D-0.148"Ø & 3" LONG; 8D-0.131"Ø & 2-1/2" LONG), OTHERWISE CONTACT EOR, USING NAILS OTHER THAN THOSE SPECIFIED MAY RESULT IN THE DEMOLISHION OF WORK AND FRAMING TO BE REPLACED.
11. FIRST SHEET OF SHEAR WALL SHEATHING TO START AT FOUNDATION SILL PLATE.
12. PROVIDE 3x_ NOMINAL FRAMING AT ALL ABUTTING PANEL EDGES.
13. PROVIDE 3x_ NOMINAL SILL PLATE.
14. MINIMUM WALL LENGTH SHOWN ON PLANS.
15. NO NEW PLYWOOD IS ADDED TO EXISTING WALL.

ROOF DECKS

1. SEE GENERAL NOTES: "STEEL DECK" FOR ADDITIONAL INFORMATION.
2. CONNECTIONS: WELD DECK TO SUPPORTING FRAMING MEMBERS WITH EITHER AN E60 OR E70 ELECTRODE WITH PUDDLE WELDS HAVING A FUSION AREA NOT LESS THAN 3/4" EFFECTIVE DIAMETER AS FOLLOWS: (WELDS SHALL PENETRATE ALL LAYERS OF DECK AND HAVE PROPER FUSION TO THE SUPPORTING MEMBERS.):
   A. @ EACH FLUTE & TWO AT PANEL LAPS (ONE EACH SIDE OF SEAM).
   B. 6" O.C. @ ALL SUPPORTS PARALLEL TO DECK CORRUGATIONS.
   C. FASTEN SIDE LAPS BY ONE OF THE FOLLOWING:
      a. HSB TYPE DECK: TOP SEAM WELDS AT 18" O.C., CRIMP SIDE SEAMS BEFORE WELDING SIDE LAPS. ENGAGE ALL LAYERS OF THE DECK MATERIAL.
      b. PLB TYPE DECK: VERCO'S PUNCHLOK SYSTEM W/ CONNECTIONS @ 12" O.C. MAX. ENGAGE ALL LAYERS OF THE DECK MATERIAL. (A STANDARD BUTTON PUNCH CAN NOT BE USED IN PLACE OF VERCO'S PUNCHLOK.)
3. ROOF DECK: VERCO TYPE HSB-36 OR PLB-36, 20 GAGE, GALVANIZED G60, 36" WIDE, 1.5" DEEP, HAVING MINIMUM I = 0.216 IN^4, +S = 0.235 IN^3 AND -S = 0.248 IN^3.
4. ROOF DECK LOCATIONS SHOWN BY
5. THE REQUIRED ALLOWABLE DIAPHRAGM SHEAR IS 937 plf WITH A DECK SPAN OF 6'-0". ANY SUBSTITUTION OF THE ABOVE DECK CONNECTIONS SHALL MEET OR EXCEED THE ALLOWABLE DIAPHRAGM SHEAR. CONTACT THE E.O.R. PRIOR TO SUBSTITUTING ANY CONNECTION SPECIFIED.

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, U.N.O.

KEY NOTES:

1

LEGEND:

001	DOOR TAG, SEE DOOR SCHEDULE SHEET AE601
ROOM 000	ROOM TAG, SEE FINISH SCHEDULE AE601
	INFILL DEPRESSION RESULTING FROM DEMOLITISHED HARDWOOD ATHLETIC FLOOR SYSTEM W/ CONCRETE TOPPING
	INFILL RECESS IN EXISTING FLOOR RESULTING FROM DEMOLISHED ACCESS FLOOR SYSTEM W/ 6" CONCRETE SLAB OVER COMPACTED BASE; T.O. SLAB TO BE 100'-0"

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ROOF PLAN

SE 301

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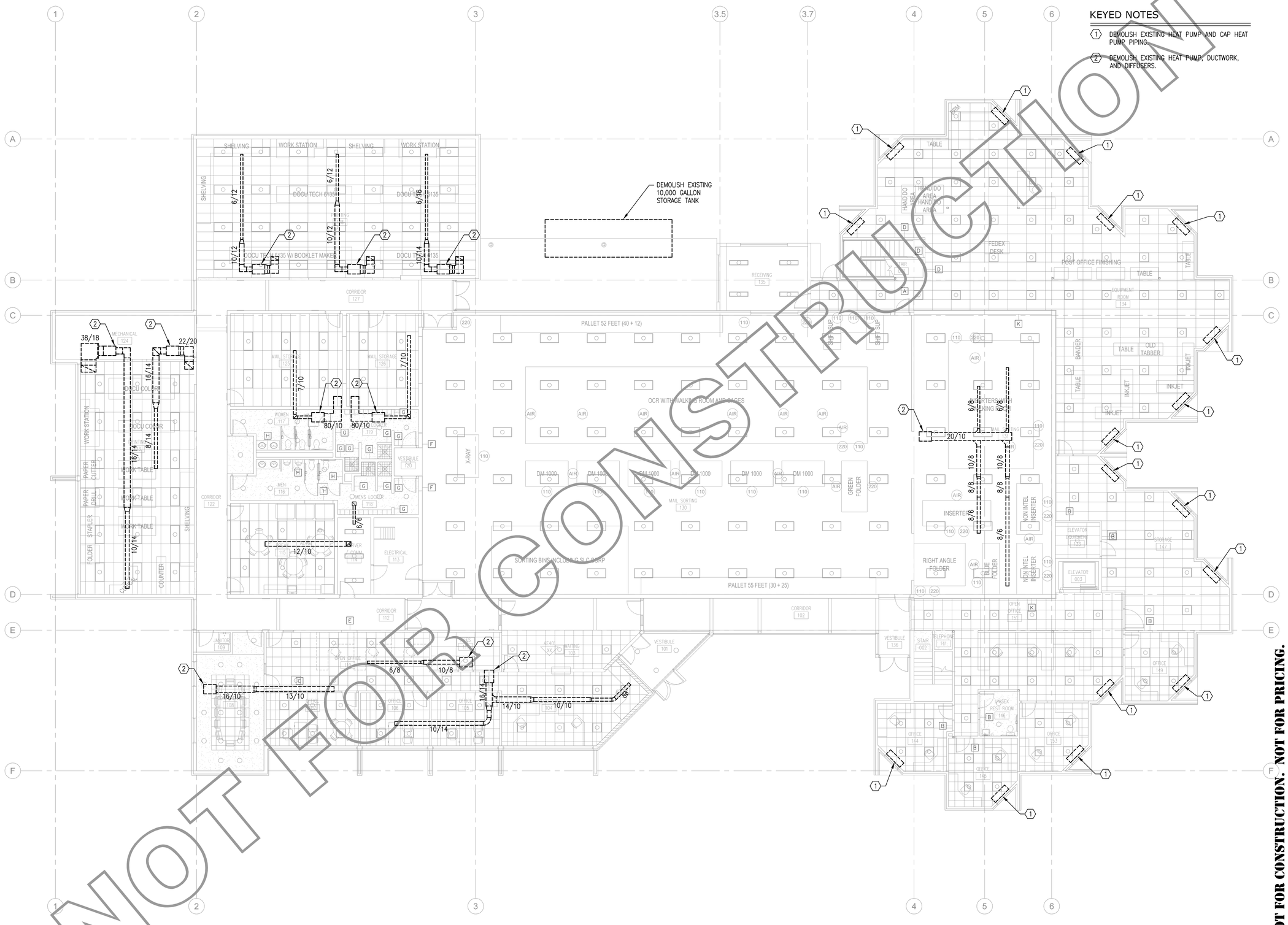

KEYED NOTES

1. DEMOLISH EXISTING HEAT PUMP AND CAP HEAT PUMP PIPING.
2. DEMOLISH EXISTING HEAT PUMP, DUCTWORK, AND DIFFUSERS.

1 MD101 MECHANICAL MAIN LEVEL DEMOLITION PLAN

NORTH

8' 4' 2' 0 8' 16'

SCALE: 1/8" = 1'-0"

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MECHANICAL MAIN LEVEL DEMOLITION PLAN

MD 101

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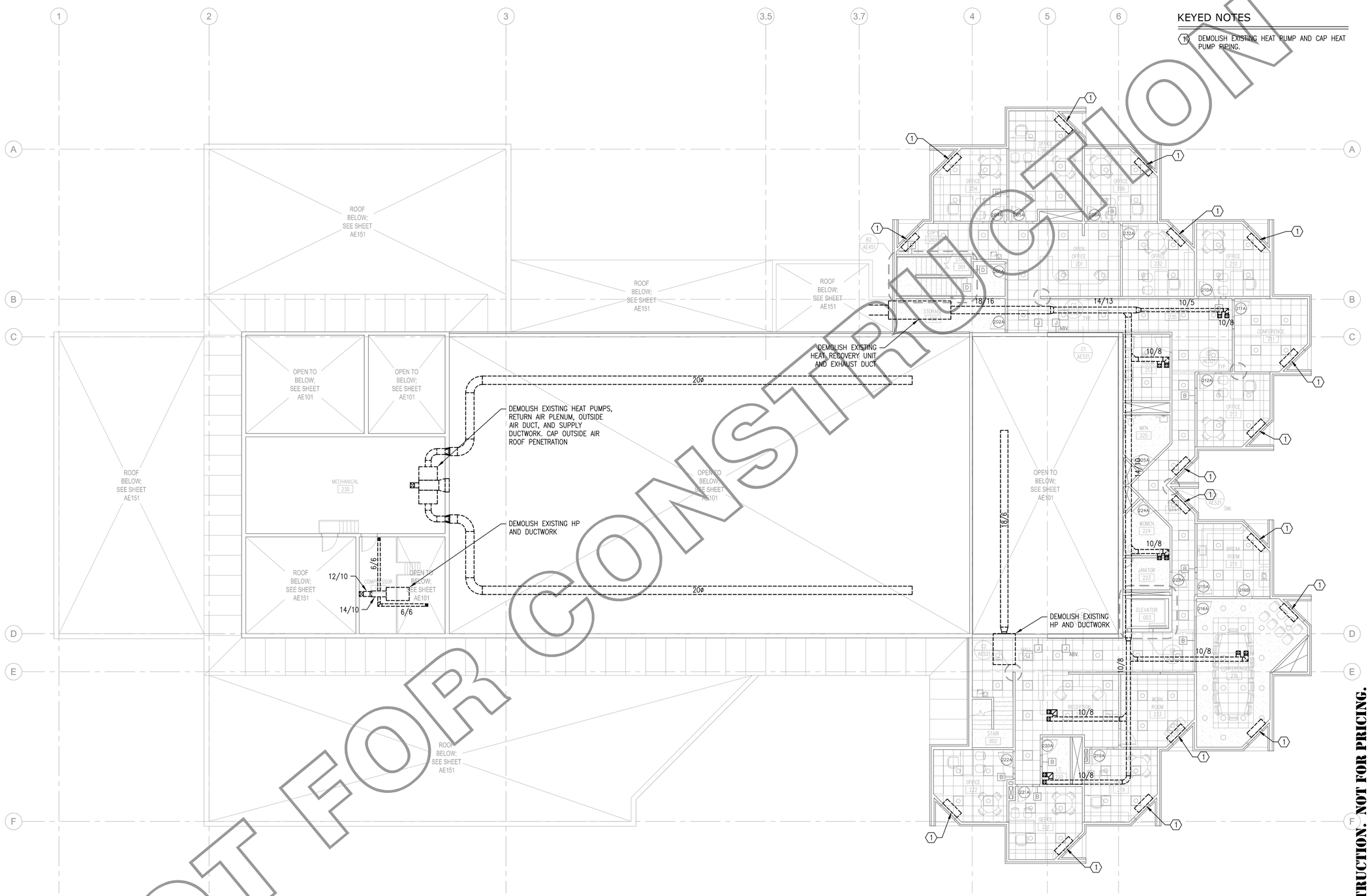

KEYED NOTES

1. DEMOLISH EXISTING HEAT PUMP AND CAP HEAT PUMP PIPING.

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1 / MD102 MECHANICAL UPPER LEVEL DEMOLITION PLAN

NORTH

8' 4' 2' 0 8' 16'
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MECHANICAL UPPER LEVEL DEMOLITION PLAN

MD 102

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ABBREVIATIONS

ø	ROUND, DIAMETER, PHASE	EWT	ENTERING WATER TEMPERATURE	OZ	OUNCE
ABS	ACRYLONITRILE–BUTADIENE–STYRENE, ABSOLUTE	EXH	EXHAUST	P	PUMP
ACCU	AIR COOLED CONDENSING UNIT	EXP	EXPANSION	PD	PRESSURE DROP/DIFFERENCE
A/C	AIR CONDITIONING	EXT	EXTERIOR	PE	POLYETHYLENE
AD	ACCESS DOOR, AREA DRAIN	F	FAHRENHEIT	PEX	CROSS–LINKED POLYETHYLENE
ADA	AMERICAN DISABILITIES ACT	FC	FLEXIBLE CONNECTION, FORWARD CURVED	PF	PRE–FILTER
AF	AIR FOIL, AIR FILTER	FCO	FLOOR CLEAN OUT	PH	PHASE
AFF	ABOVE FINISH FLOOR	FCU	FAN COIL UNIT	PIV	POST INDICATOR VALVE
AHU	AIR HANDLING UNIT	FD	FLOOR DRAIN, FIRE DAMPER	PLMB	PLUMBING
ALT	ALTITUDE, ALTERNATE	FDC	FIRE DEPARTMENT CONNECTION	POC	POINT OF CONNECTION
AMB	AMBIENT	FF	FINISH FLOOR, FINAL FILTER	PPM	PARTS PER MILLION
AMP	AMPERE (AMP, AMPS)	FL	FLOW LINE	PRS	PRESSURE REDUCING STATION
AP	ACCESS PANEL	FLEX	FLEXIBLE	PRV	PRESSURE REDUCING VALVE
APD	AIR PRESSURE DROP	FO	FLAT OVAL	PSF	POUNDS PER SQUARE FOOT
ARCH	ARCHITECT	FP	FIRE PROTECTION	PSI	POUNDS PER SQUARE INCH
AS	AIR SEPARATOR	FPM	FEET PER MINUTE	PTAC	PACKAGED TERMINAL AIR CONDITIONER
AV	ACID VENT, AIR VENT	FS	FLOOR SINK	PVC	POLYVINYL CHLORIDE
B	BOILER	FSD	FIRE SMOKE DAMPER	R	THERMAL RESISTANCE, RANKINE, RETURN
BAL	BALANCE	FSTAT	FREEZESTAT	RA	RETURN AIR
BAS	BUILDING AUTOMATION SYSTEM	FT	FEET	RAD	RADIUS
BBR	BASEBOARD RADIATOR	FTR	FIN TUBE RADIATION	RCP	RADIANT CEILING PANEL
BDD	BACKDRAFT DAMPER	FURN	FURNACE, FURNISH, FURNITURE	RD	ROOF DRAIN
BFP	BACKFLOW PREVENTER	FV	FACE VELOCITY	RECIRC	RECIRCULAT(E),(OR),(ING)
BFV	BUTTERFLY VALVE	G	GAUGE, NATURAL GAS	REF	REFRIGERAT(OR),(ION)
BHP	BRAKE HORSEPOWER	GA	GAGE	REQ'D	REQUIRED
BI	BACKWARD INCLINED	GAL	GALLON	RF	RETURN FAN
BOD	BOTTOM OF DUCT	GALV	GALVANIZED	RH	RELATIVE HUMIDITY
BOP	BOTTOM OF PIPE	GC	GENERAL CONTRACTOR	RM	ROOM
BT	BATH TUB	GD	GARAGE DRAIN	RPBP	REDUCED PRESS. BACKFLOW PREVENTER
BTU	BRITISH THERMAL UNIT	GH	GRAVITY HOOD	RPM	REVOLUTIONS PER MINUTE
BTUH	BRITISH THERMAL UNITS/HR	GPM	GALLONS PER MINUTE	RTU	ROOF TOP UNIT
BV	BALL VALVE	GT	GREASE TRAP	REV	REVOLOLUTION, REVISION, REVERSE
C	CHILLER	HB	HOSE BIBB	S	SECONDS, SUPPLY, SINK
CA	COMPRESSED AIR, COMBUSTION AIR	H/C, HC	HEATING COIL	SA	SUPPLY AIR, SOUND ATTENUATOR
CAP	CAPACITY	HEPA	HIGH EFFICIENCY PARTICULATE AIR	SAN	SANITARY
CAV	CONSTANT AIR VOLUME	HOA	HAND, OFF, AUTO	SAT	SATURATED
C/C, CC	COOLING COIL	HP	HORSEPOWER, HEAT PUMP	SCFM	STANDARD CUBIC FEET PER MINUTE
CD	CONDENSATE DRAIN, CEILING DIFFUSER	HR	HOUR	SD	STORM DRAIN, SMOKE DAMPER
CFM	CUBIC FEET PER MINUTE	HSTAT	HUMIDISTAT	SECT	SECTION
CFOI	CONTRACTOR FURN., OWNER INSTALLED	HT	HEIGHT	SEN	SENSIBLE
CHW	CHILLER WATER	HVAC	HEATING, VENTILATING, AIR–CONDITIONING	SHT	SHEET
CO	CLEAN OUT, CARBON MONOXIDE	HX	HEAT EXCHANGER	SIM	SIMILAR
CO2	CARBON DIOXIDE	HZ	FREQUENCY	SL	SEA LEVEL
CONC	CONCRETE	IAQ	INDOOR AIR QUALITY	SP	STATIC PRESSURE
COND	CONDENS(ER),(ING),(ATE),(ATION)	ID	INSIDE DIAMETER	SPEC	SPECIFICATION
CONT	CONTINUOUS	IE	INVERT ELEVATION	SQ	SQUARE
COP	COEFFICIENT OF PERFORMANCE, COPPER	IN	INCH	SS	SERVICE SINK, STAINLESS STEEL
COTG	CLEANOUT TO GRADE	IN WC	INCHES, WATER COLUMN	STC	SOUND TRANSMISSION CLASS
CPVC	CHLORINATED POLY VINYL CHLORIDE	INV	INVERT	STD	STANDARD
CT	COOLING TOWER	I/O	INPUT/OUTPUT	STRUCT	STRUCTUR(E),(AL)
CU	CONDENSING UNIT, CUBIC	JS	JANITORS SINK	SUCT	SUCTION
CV	CONTROL VALVE, CONSTANT VOLUME	KEC	KITCHEN EQUIPMENT CONTRACTOR	T	TEMPERATURE, TIME
CUH	CABINET UNIT HEATER	KW	KILOWATT	T&P	TEMPERATURE AND PRESSURE
CW	CONDENSER WATER, CLOCKWISE	KWH	KILOWATT HOUR	TAB	TEST, ADJUST AND BALANCE
DA	DISCHARGE AIR	LAT	LEAVING AIR TEMPERATURE	TDH	TOTAL DYNAMIC HEAD
dB	DECIBELS	LAV	LAVATORY	TEMP	TEMPERATURE, TEMPORARY
DB	DRY BULB TEMPERATURE	LBS	POUNDS	TONS	TONS OF REFRIGERATION
DDC	DIRECT DIGITAL CONTROL	LF	LINEAR FEET	TOD	TOP OF DUCT
DF	DRINKING FOUNTAIN	LVR	LOUVER	TOP	TOP OF PIPE
DIA	DIAMETER	LWT	LEAVING WATER TEMPERATURE	TSP	TOTAL STATIC PRESSURE
DMPR	DAMPER	MA	MEDICAL AIR, MIXED AIR	TSTAT	THERMOSTAT
DP	DEWPOINT, DIFFERENTIAL PRESSURE	MAT	MATERIAL, MIXED AIR TEMPERATURE	TYP	TYPICAL
DR	DRAIN	MAU	MAKE UP AIR HANDLING UNIT	U	URINAL
DSN	DOWNSPOUT NOZZLE	MAV	MANUAL AIR VENT	UH	UNIT HEATER
DW	DISHWASHER	MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
DWG	DRAWING	MBH	BTU/HR X 1,000	V	VENT, VALVE
DWV	DRAIN, WASTE, VENT	MC	MECHANICAL CONTRACTOR	VA	VOLT AMPERE
DX	DIRECT EXPANSION	MCC	MOTOR CONTROL CENTER	VAC	VACUUM
(E) EXIST	EXISTING	MECH	MECHANICAL	VAV	VARIABLE AIR VOLUME
EAT	ENTERING AIR TEMPERATURE	MH	MAN HOLE	VD	VOLUME DAMPER
EC	ELECTRICAL CONTRACTOR	MIN	MINIMUM, MINUTE	VFD	VARIABLE FREQUENCY DRIVE
ECON	ECONOMIZER	MVD	MANUAL VOLUME DAMPER	VI	VIBRATION ISOLATOR
EDH	ELECTRIC DUCT HEATER	NA	NOT APPLICABLE	VOL	VOLUME
EER	ENERGY EFFICIENCY RATIO	NC	NOISE CRITERIA, NORMALLY CLOSED	VP	VELOCITY PRESSURE
EF	EXHAUST FAN	NIC	NOT IN CONTRACT	VSC	VARIABLE SPEED CONTROLLER
EFF	EFFICIENCY	NO	NORMALLY OPEN, NITROUS OXIDE	VTR	VENT THROUGH ROOF
EL, ELEV	ELEVATION	NO.	NUMBER	W	WASTE
EMER	EMERGENCY	NOM	NOMINAL	W/	WITH
ENCL	ENCLOSURE	NR	NOISE REDUCTION	W/O	WITHOUT
ESP	EXTERNAL STATIC PRESSURE	NRC	NOISE REDUCTION COEFFICIENT	WB	WET BULB
ET	EXPANSION TANK	NTS	NOT TO SCALE	WC	WATER CLOSET
EUH	ELECTRIC UNIT HEATER	OA	OUTSIDE AIR	WCO	WALL CLEAN OUT
EVAP	EVAPORAT(E),(ING),(ED),(OR)	OBD	OPPOSED BLADE DAMPER	WHA	WATER HAMMER ARRESTOR
EWB	ENTERING WET BULB	OD	OVERFLOW DRAIN, OUTSIDE DIAMETER	WT	WEIGHT
EWC	ELECTRIC WATER COOLER	OF/CI	OWNER FURN./CONTRACTOR INSTALLED	YCO	YARD CLEANOUT
EWH	ELECTRIC WATER HEATER	OF/OI	OWNER FURNISHED/OWNER INSTALLED		
EWS	EYE WASH STATION	OS&Y	OPEN SCREW & YOLK		

MECHANICAL LEGEND

BALL VALVE
BUTTERFLY VALVE
GATE VALVE
ANGLE GATE VALVE, PLAN VIEW
GLOBE VALVE
PLUG VALVE
3–WAY VALVE
NON–RISING STEM/OS&Y VALVE ACTUATOR
LEVER VALVE ACTUATOR
ELECTRONIC/PNEUMATIC VALVE ACTUATOR
SOLENOID/DIAPHRAGM VALVE ACTUATOR
CHECK VALVE
SPRING CHECK VALVE
BALL VALVE W/HOSE END & CAP
NEEDLE VALVE
PRESSURE REDUCING VALVE
REDUCED PRESSURE BACKFLOW PREVENTER — RPBP
INLINE PUMP
PRESSURE & TEMPERATURE RELIEF VALVE
SQUARE HEAD COCK
STRAINER, W/BV HOSE END & CAP — HOSE
TEMPERATURE & PRESSURE PLUG
CIRCUIT SETTER
AUTOMATIC FLOW CONTROL VALVE
AUTOMATIC/MANUAL AIR VENT — AV, MAV
VENTURI FLOW MEASURING DEVICE
THERMOMETER/PRESSURE GAGE W/COCK
TEMPERATURE SENSOR
CONCENTRIC/ECCENTRIC REDUCER
UNION
BUSHING/CAP
ELBOW UP/DOWN
TOP/BOTTOM CONNECTION, 45° OR 90°
TEE UP/SIDE/DOWN
FLOW/PITCH DOWN DIRECTION — 2%
ANCHOR/GUIDE
EXPANSION JOINT/FLEX CONNECTOR
FLOOR OR GRADE CLEANOUT, W/CONC PAD
WALL CLEANOUT, HOSE BIBB OR WALL HYDRANT — HB, WH
FLOOR DRAIN/FLOOR SINK

VENT
COLD WATER
HOT WATER
HOT WATER RETURN
COMPRESSED AIR — A
CONDENSATE DRAIN — D
SANITARY SEWER
SANITARY SEWER BELOW GRADE
ROOF DRAIN — RD
OVERFLOW ROOF DRAIN — OD
FIRE SERVICE — F
NATURAL GAS — G
HEATING WATER SUPPLY — HWS
HEATING WATER RETURN — HWR
CHILLED WATER SUPPLY — CWS
CHILLED WATER RETURN — CWR
CONDENSER WATER SUPPLY — CS
CONDENSER WATER RETURN — CR
HEAT TRACING

DUCT SIZE, (1ST FIGURE, SIDE SHOWN; 2ND FIGURE, OTHER SIDE) — 24/12
DIRECTION OF FLOW
LINED DUCT — 24/12
HIDDEN DUCT — (24/12)
WYE W/45° ENTRY
TEE W/45° ENTRY
ELBOW W/TURNING VANES
HELICAL FLEX DUCT
SUPPLY DUCT SECTION UP/DOWN — 24/12
RETURN DUCT SECTION UP/DOWN — 24/12
EXHAUST DUCT SECTION UP/DOWN — 24/12
SUPPLY DUCT SECTION UP/DOWN — 18ø
ROUND BRANCH — 12ø, 18ø
DUCT TRANSITION — 24/12, 18/12
SPIN–IN W/VOLUME DAMPER — 24/12
FIRE SMOKE DAMPER
FIRE DAMPER
SMOKE DAMPER
MOTORIZED DAMPER — M
GRAVITY BACKDRAFT DAMPER — G
MANUAL VOLUME DAMPER — VD
SIDE/PLAN ACCESS DOOR
SUPPLY AIR DEVICE
RETURN AIR DEVICE
EXHAUST AIR DEVICE
THERMOSTAT/HUMIDISTAT — T, H
POINT OF CONNECTION/REMOVAL
KEYED NOTE/REVISION — 1, 1
WALL SWITCH — $
EQUIPMENT CALLOUT — DESIGNATOR, CHARACTERISTIC
PLUMBING FIXTURE CALLOUT — FIXTURE
DETAIL TAG — DETAIL NO. 1, SHEET NO. M601

PROJECT NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH 2006 INTERNATIONAL BUILDING CODE, 2006 INTERNATIONAL MECHANICAL CODE, 2006 INTERNATIONAL PLUMBING CODE, 2006 INTERNATIONAL FUEL GAS CODE, AND 2006 INTERNATIONAL ENERGY CODE, INCLUDING STATE AND LOCAL AMENDMENTS, SUBJECT TO AUTHORITY HAVING JURISDICTION INTERPRETATION.
2. CLOSELY COORDINATE NEW MECHANICAL AND PLUMBING CONSTRUCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL MEMBERS. DUCTWORK AND PIPE ROUTING IS APPROXIMATE, DIAGRAMMATIC AND IS NOT TO BE SCALED. PROVIDE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS AS REQUIRED FOR COORDINATION OF ALL WORK WITHOUT ADDITIONAL COST.
3. DO NOT SHUT–OFF/PUT OUT SERVICE ANY SYSTEMS/SERVICES WITHOUT FIRST COORDINATING ALL DOWNTIME WITH THE OWNER'S PERSONNEL.
4. PROVIDE SEISMIC RESTRAINT FOR ALL MECHANICAL AND PLUMBING EQUIPMENT AND PIPING IN ACCORDANCE WITH 2006 IBC, IMC, AND IPC. SEISMIC DESIGN CATEGORY "D", SITE CLASS "D", SD1=0.6, SDS=1.02, AND SEISMIC OCCUPANCY CATEGORY II.
5. CONTRACTOR SHALL PROVIDE 1 YEAR STANDARD WARRANTY.
6. SUBMIT ALL VALVES, FITTINGS, PIPE MATERIALS, INSULATION, AND ACCESSORIES TO BE USED IN PROJECT. SUBMIT ALL EQUIPMENT AND ACCESSORIES LISTED ON MECHANICAL SCHEDULE SHEET. SUBMIT SEVEN COPIES IN 3 RING BINDER TO ARCHITECT FOR REVIEW AND APPROVAL BY ENGINEER. DO NOT PLACE ORDER UNTIL ENGINEER HAS REVIEWED AND APPROVED SUBMITTAL.
7. RECORD ALL FIELD CHANGES ON RECORD DRAWINGS AND SUBMIT TO ENGINEER DURING PROJECT CLOSE OUT.
8. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.
9. PROJECT ELEVATION IS 5000 FT FOR EQUIPMENT SELECTION.
10. PROVIDE ALL DUCT IN ACCORDANCE WITH SMACNA STANDARDS FOR 2" WC PRESSURE CLASS. SEAL ALL TRANSVERSE AND LONGITUDINAL SEAMS AND JOINTS EXCEPT FOR WELDED OR LOCKING–TYPE LONGITUDINAL JOINTS.
11. WRAP ALL OUTSIDE AIR DUCTWORK WITH 2" THICK 0.75 LBS/CF FIBERGLASS DUCT WRAP. TRIM AND SEAL JOINTS.
12. LINE ALL RECTANGULAR DUCT WITH 1" THICK INSULATED DUCT LINER. GLUED AND STICK PINNED IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.
13. INSULATE ALL SUPPLY ROUND DUCTWORK ABOVE CEILINGS WITH 1–1/2" THICK 1.5 LBS/CF FIBERGLASS DUCT WRAP. TRIM AND SEAL JOINTS.
14. PROVIDE 1–1/2" THICK INSULATED FLEXIBLE DUCT AS INDICATED ON DRAWINGS CONFORMING TO NFPA 90A, UL 181–CLASS 0 OR 1 STANDARDS. INSTALL FLEXIBLE DUCT AS SHORT AS POSSIBLE WITHOUT KINKS.
15. LOCATE DIFFUSERS AND RETURN GRILLES ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLANS.
16. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
17. PROVIDE TEST AND BALANCE REPORT TO ENGINEER FOR REVIEW AND APPROVAL.
18. ALL HEATING WATER PIPE SHALL BE SCHEDULE 40 STEEL PIPE WITH SCREWED FITTINGS OR TYPE "L" COPPER PIPE WITH SOLDERED FITTINGS.
19. ALL CHILLED WATER PIPE SHALL BE SCHEDULE 40 STEEL PIPE WITH SCREWED FITTINGS OR TYPE "L" COPPER PIPE WITH SOLDERED FITTINGS.
20. ALL CONDENSER WATER PIPE SHALL BE SCHEDULE 40 STEEL PIPE WITH SCREWED FITTINGS OR TYPE "L" COPPER PIPE WITH SOLDERED FITTINGS.
21. INSULATE ALL HEATING WATER PIPE WITH 1" INSULATION WITH ASJ.
22. INSULATE ALL CHILLED WATER PIPE WITH 1" INSULATION WITH ASJ.
23. INSULATE ALL CONDENSER WATER PIPE WITH 1" INSULATION WITH ASJ.
24. PROVIDE ISOLATION VALVES SERVING EACH PIECE OF EQUIPMENT.
25. DISINFECT NEW DOMESTIC WATER PIPING. SUBMIT DISINFECTION REPORT TO ENGINEER FOR REVIEW.
26. ALL WASTE AND VENT IS 1–1/2" UNLESS OTHERWISE NOTED.
27. ALL WASTE AND VENT PIPE SHALL BE SCHEDULE 40 ABS, SCHEDULE 40 PVC, OR SERVICE WEIGHT CAST IRON.
28. PROVIDE TRAP PRIMERS AND CONNECT TO ALL FLOOR DRAINS, ALL FLOOR SINKS, AND ALL STANDPIPES THAT DO NOT HAVE A RELIABLE SOURCE TO MAINTAIN TRAP SEAL.
29. ALL WATER PIPE SHALL BE TYPE "L" COPPER.
30. T–DRILL FITTINGS SHALL NOT BE USED IN THIS PROJECT.
31. INSULATE ALL HOT WATER AND RETURN PIPE WITH 1" INSULATION WITH ASJ. INSULATE ALL COLD WATER PIPE WITH 1/2" INSULATION WITH ASJ.
32. ALL "BRANCH" HOT AND COLD WATER LINES FEEDING ONE OR TWO SINKS OR LAV'S ARE 1/2". DROP IN WALL AND DISTRIBUTE TO SINKS OR LAV'S AS REQ'D. PROVIDE INDIVIDUAL STOPS FOR EACH SINK OR LAV.
33. ALL NATURAL GAS PIPE SHALL BE SCHEDULE 40 STEEL PIPE WITH SCREWED FITTINGS FOR 2 LB SERVICE. CONTRACTOR MAY USE CSST DOWNSTREAM OF REGULATORS FOR FINAL EQUIPMENT CONNECTION.
34. PROVIDE "DIRT LEG" AHEAD OF EACH PIECE OF FUEL FIRED EQUIPMENT.

SHEET LIST

MH001 – MECHANICAL LEGEND AND NOTES
MD101 – MECHANICAL MAIN LEVEL DEMOLITION PLAN
MD102 – MECHANICAL UPPER LEVEL DEMOLITION PLAN
MH101 – MECHANICAL MAIN LEVEL FLOOR PLAN
MH102 – MECHANICAL UPPER LEVEL FLOOR PLAN
MH103 – MECHANICAL ROOF PLAN
MH401 – ENLARGED MECHANICAL UPPER LEVEL FLOOR PLAN
MH501 – MECHANICAL DETAILS
MH502 – MECHANICAL DETAILS
MH601 – MECHANICAL SCHEDULES
MH601 – MECHANICAL SCHEDULES
MH701 – MECHANICAL PIPING SCHEMATICS
MP101 – MECHANICAL PIPING MAIN LEVEL FLOOR PLAN
MP102 – MECHANICAL PIPING UPPER LEVEL FLOOR PLAN
PP101 – PLUMBING MAIN LEVEL FLOOR PLAN
PP102 – PLUMBING UPPER LEVEL FLOOR PLAN
PP401 – ENLARGED PLUMBING LEVEL FLOOR PLANS
PP501 – PLUMBING DETAILS
PP601 – PLUMBING SCHEDULES

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MECHANICAL LEGENDS AND NOTES

MH 001

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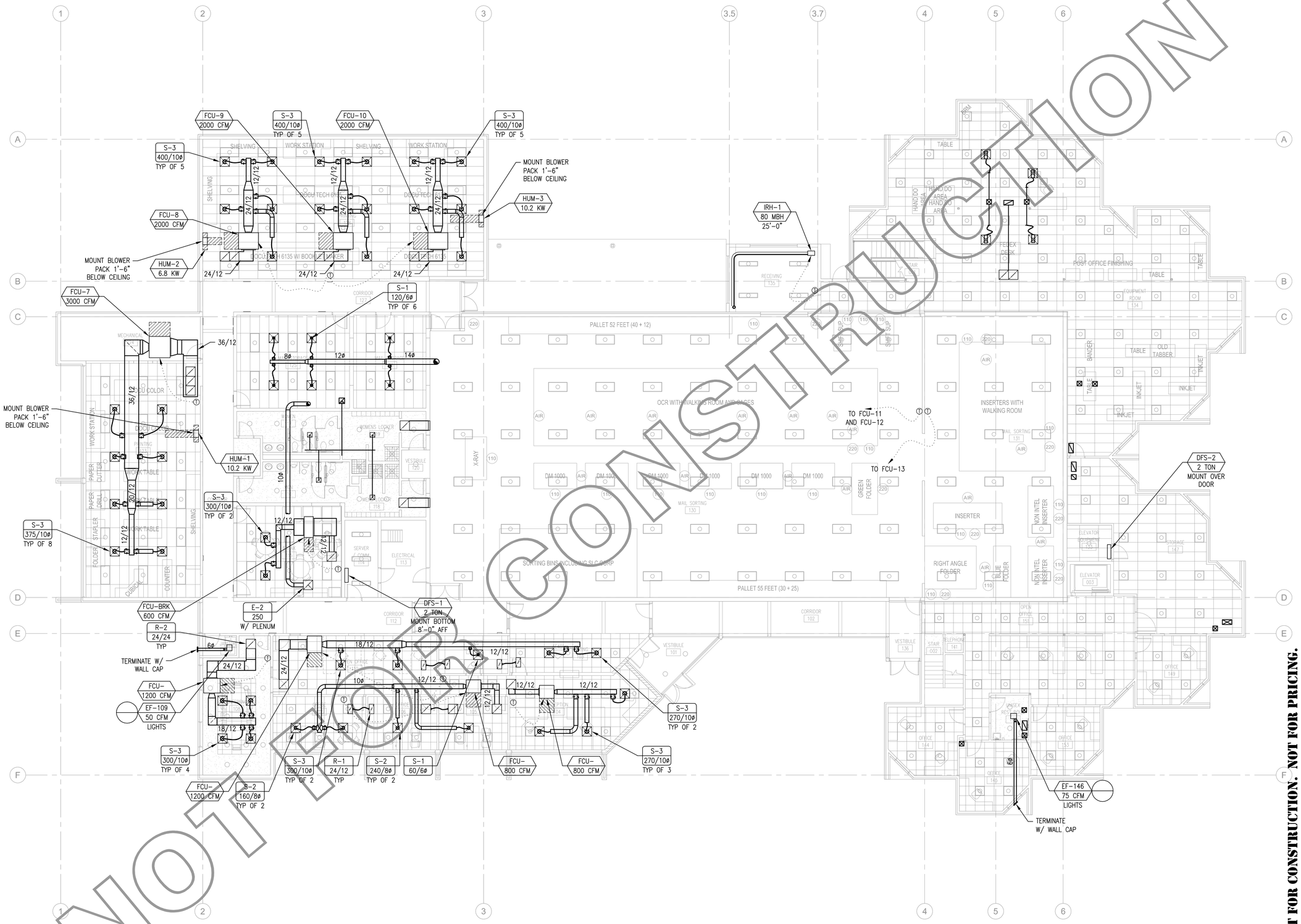

1 MH101 MECHANICAL MAIN LEVEL FLOOR PLAN

NORTH

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MECHANICAL MAIN LEVEL FLOOR PLAN

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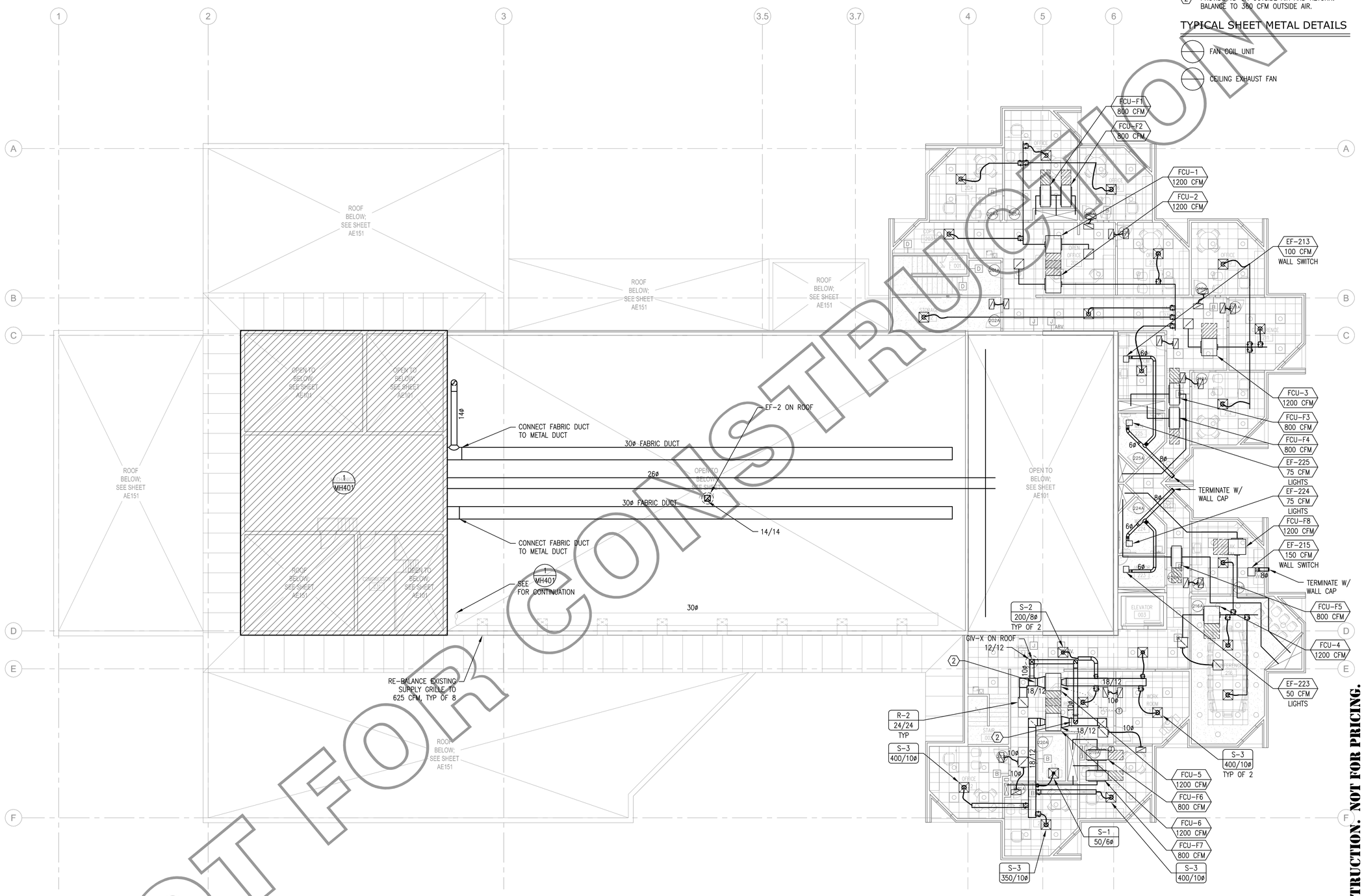
KEYED NOTES

1. PROVIDE SUPPLY AND RETURN PLENUMS ON FAN COIL UNIT.
2. PROVIDE VD ON OUTSIDE AIR AND RETURN. BALANCE TO 360 CFM OUTSIDE AIR.

TYPICAL SHEET METAL DETAILS

FAN COIL UNIT

CEILING EXHAUST FAN



1 MH102 MECHANICAL UPPER LEVEL FLOOR PLAN

NORTH

8' 4' 2' 0 8' 16'

SCALE: 1/8" = 1'-0"

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MECHANICAL UPPER LEVEL FLOOR PLAN

MH 102

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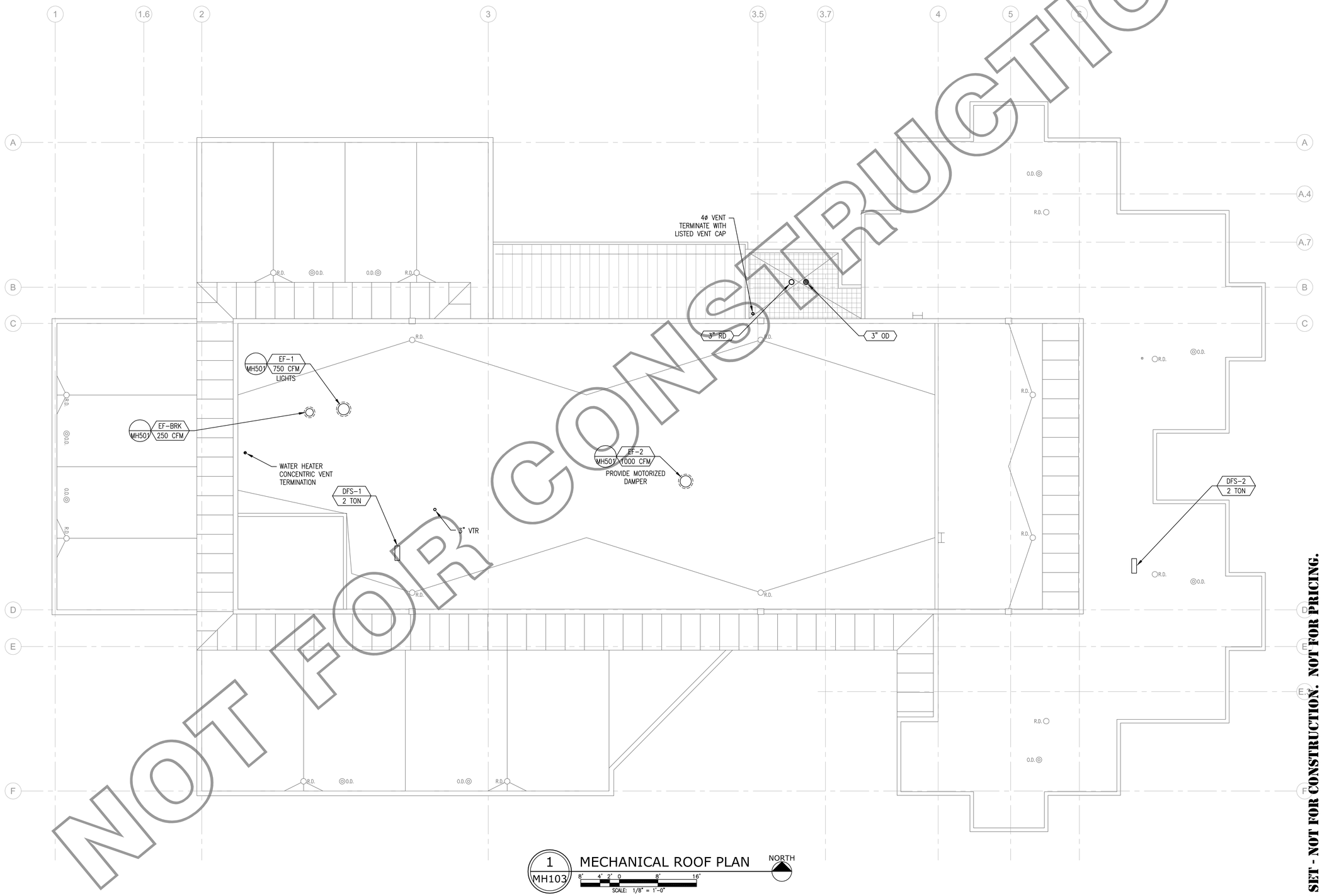

1 MH103 MECHANICAL ROOF PLAN

NORTH

8' 4' 2' 0 8' 16'

SCALE: 1/8" = 1'-0"

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MECHANICAL ROOF PLAN

MH 103

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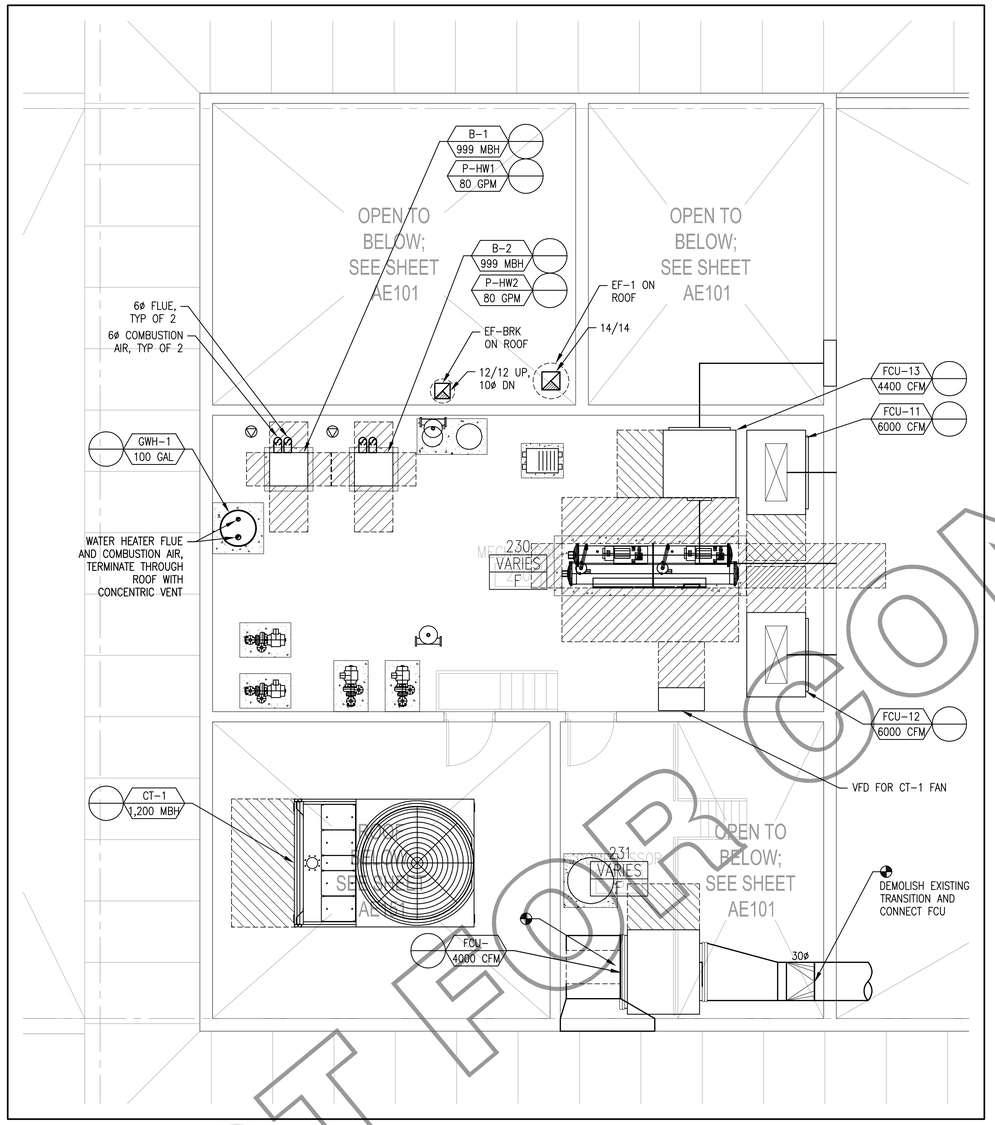
TYPICAL SHEET METAL DETAILS

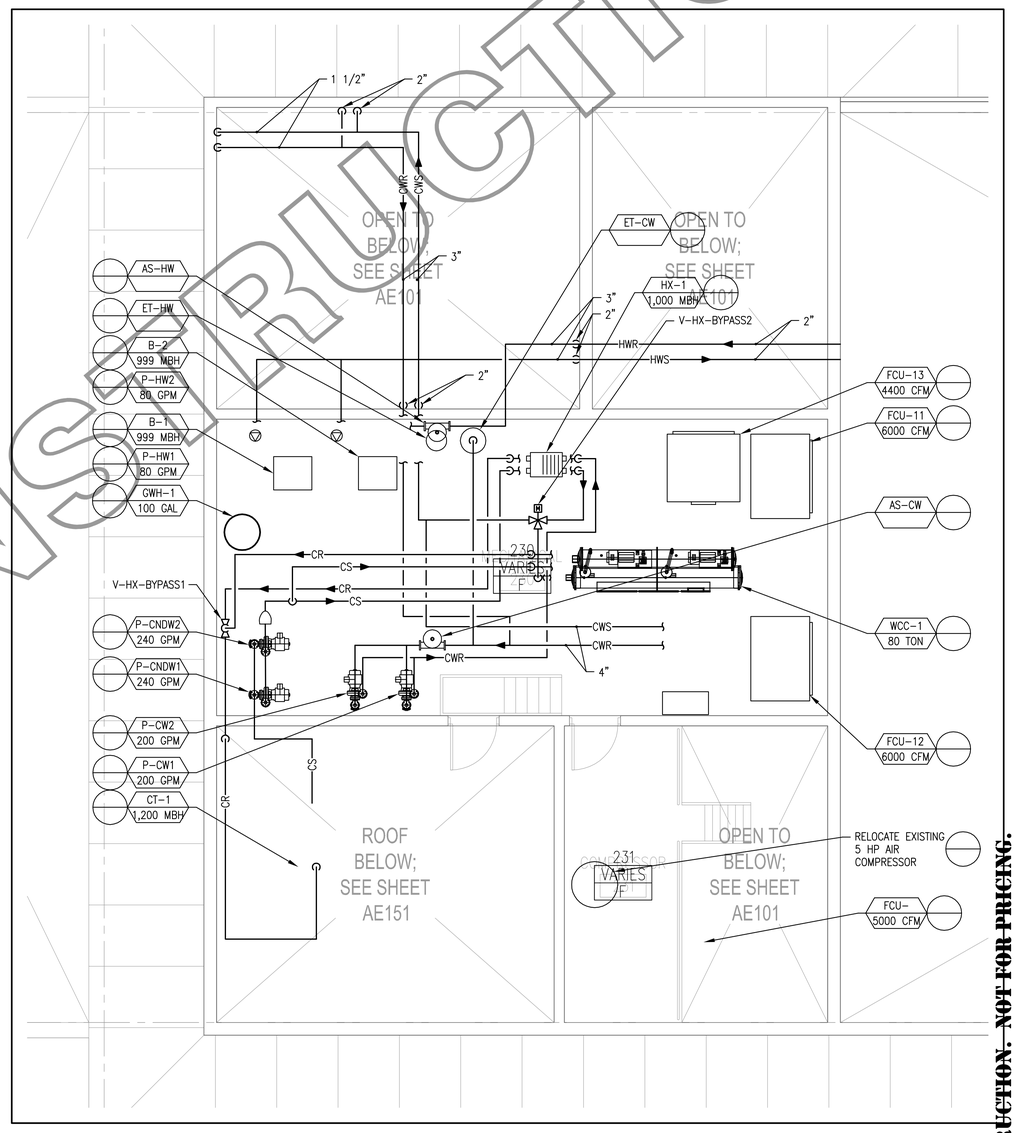
1 / MH501 HOUSEKEEPING PAD



1 / MH401 ENLARGED MECHANICAL UPPER FLOOR PLAN - DRY

NORTH

4' 2' 1' 0 4' 8'
SCALE: 1/4" = 1'-0"



2 / MH401 ENLARGED MECHANICAL UPPER FLOOR PLAN - WET

NORTH

4' 2' 1' 0 4' 8'
SCALE: 1/4" = 1'-0"

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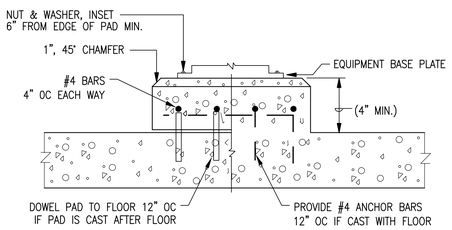
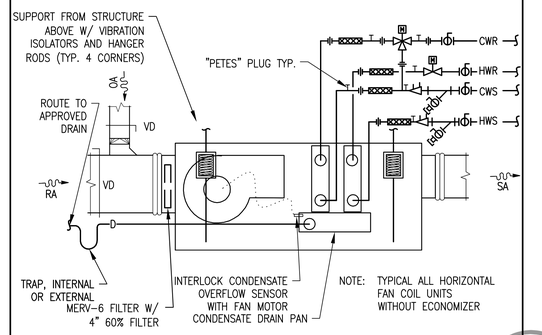
ENLARGED MECHANICAL UPPER FLOOR PLAN

MH 401

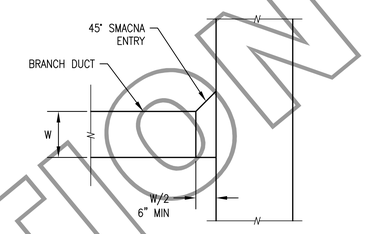


1 MH501 HOUSEKEEPING PAD

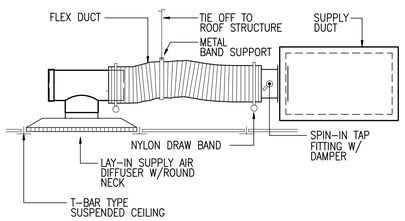
2 MH501 AIR HANDLING UNIT



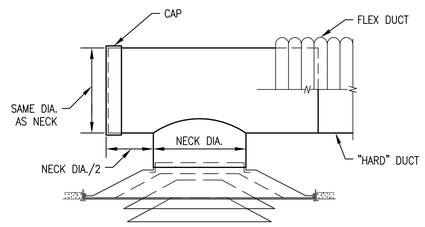
3 MH501 HORIZONTAL FAN COIL UNIT



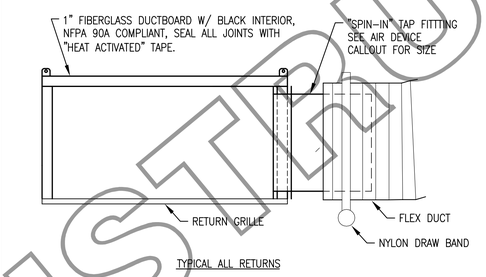
4 MH501 45° SMACNA ENTRY DUCT TAKE OFF



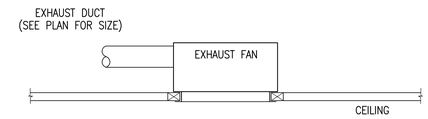
5 MH501 FLEX DUCT CONNECTION



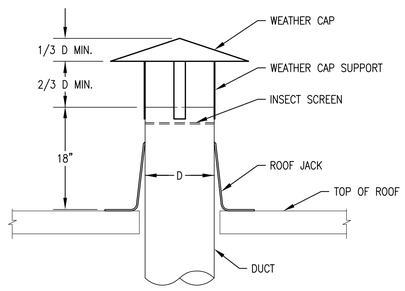
6 MH501 AIR CUSHION CONNECTION TO DIFFUSER



7 MH501 RETURN AIR GRILLE PLENUM



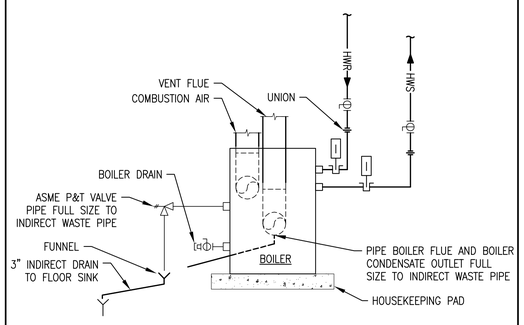
8 MH501 CEILING EXHAUST FAN



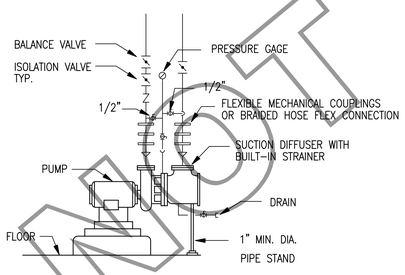
9 MH501 DUCT THROUGH ROOF

10 MH501 WATER COOLED CHILLER PIPING

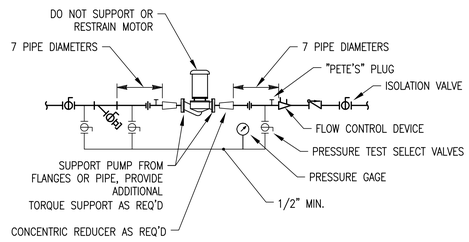
11 MH501 COOLING TOWER MOUNTING



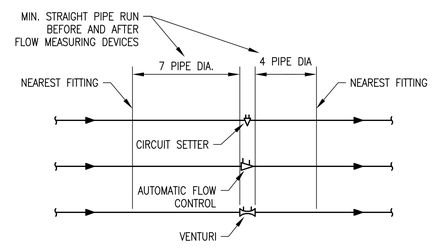
12 MH501 BOILER PIPING



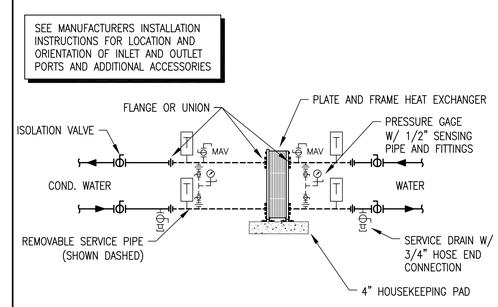
13 MH501 BASE MOUNTED PUMP



14 MH501 INLINE PUMP



15 MH501 FLOW MEASURING DEVICE INSTALLATION



16 MH501 PLATE HEAT EXCHANGER

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MECHANICAL DETAILS

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