GENERAL NOTES:

1. SEE ALL PLAN DRAWINGS (ID SERIES) FOR DIMENSIONS, LOCATION ISSUES, ENLARGED PLANS, ELEVATION TARGETS, DETAIL TARGETS, ETC.

2. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION FOR ALL PARTS OF THE WORK SO THAT NO WORK SHALL BE LEFT IN AN UNFINISHED OR INCOMPLETE CONDITION.

3. ALL WORK SHALL CONFORM TO THE APPLICABLE INDUSTRY AND MANUFACTURER'S PUBLISHED STANDARDS.

4. NO SUBSTITUTIONS FOR ITEMS SPECIFIED WILL BE ACCEPTED WITHOUT PRIOR WRITTEN ACCEPTANCE FROM THE ARCHITECT, DESIGNER AND OWNER.

5. THE CONTRACTOR SHALL PROTECT EXISTING WORK AND OTHER NEW WORK BY OTHER CONTRACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING WORK OR WORK BY OTHERS INCURRED WHILE FULFILLING THE OBLIGATIONS OF THE CONTRACT.

6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SHALL VERIFY ALL NEW CONDITIONS SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND DESIGNER OF ANY DISCREPANCIES. OMISSIONS AND/OR CONFLICTS BEFORE COMMENCEMENT OF WORK. COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE OF ALL NEW OR EXISTING CONDITIONS.

7. WHERE DESIGN INTENT CANNOT BE DETERMINED FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT AND DESIGNER PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.

8. SUBMITTALS OF ALL FINISH MATERIALS REQUIRED TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING OR INSTALLING TO INSURE ACCURACY OF SPECIFIED PRODUCT WITH INSTALLED MATERIAL.

9. LEAD TIMES FOR ALL SPECIFIED MATERIALS VARY. PURCHASING CONTRACTOR AND/OR SUPPLIER ASSUMES RESPONSIBILITY FOR VERIFYING LEAD TIME WITH MANUFACTURER AND ORDERING MATERIAL IN ACCORDANCE WITH PROJECT SCHEDULE AND COMPLETION DATE.

GENERAL NOTES 21

FINISH SPECIFICATIONS:

1. IN ALL AREAS WHERE LVT, CARPET, AND VCT PRODUCTS ARE INSTALLED PROVIDE 4" RUBBER COVE BASE.

2. IN ALL AREAS WHERE RUBBER SPORTS FLOORING PRODUCTS RF-1 ARE INSTALLED PROVIDE 6" RUBBER COVE BASE.

3.ADD SCHLUTER METAL EDGE TRANSITION STRIP WHERE CERAMIC TILE MEETS LVT-1 IN LOUNGE 138.

4. ADD SCHLUTER METAL EDGE TRANSITION STRIP WHERE LVT-1 MEETS CPT-2 IN LOBBY 132, CORRIDOR 150 & LOUNGE 138

5. IN ALL AREAS WHERE NEW LVT-1 FLOORING MEETS EXISTING FLOORING AT DOOR THRESHOLDS PROVIDE APPROPRIATE RUBBER TRANSITION STRIPS TO MATCH RB-1.

6. IN TOILET ROOM 146 PROVIDE CERAMIC TILE ON ALL WALLS FROM FLOOR TO 48" AFF. PROVIDE COVE BASE TO MATCH WALL TILE CT-4. WHERE CERAMIC TILE MEETS MIRROR CONTRACTOR PROVIDE A CERAMIC TILE BORDER AROUND FRAME OF MIRROR SO THAT NO GAPS ARE VISABLE BEHIND MIRROR WHERE MIRROR HALF SITS ON CERAMIC TILE AND DRYWALL WALL.

7. EXISTING THRESHOLDS IN GYM TO BE REMOVED AND REINSTALLED BY FLOORING CONTRACTOR.

8. IN WARMING KITCHEN 140, PATCH FLOOR AND ADD NEW VCT TO MATCH EXISTING VCT WHERE DEMO OCCURS.

9. IN OPEN OFFICE 135, CONFERENCE 139, AND CONTROL 136, CARPET TO BE FURNISHED AND INSTALLED BY OWNER.

10. ALL CERAMIC TILE SHALL BE LAYED FROM CENTER MARKS ESTABLISHED WITH PRINCIPAL WALLS, SO THAT TILES AT OPPOSITE EDGES ARE EQUAL IN WIDTH UNLESS DIMENSIONED OTHERWISE ON INTERIOR PLANS AND ELEVATIONS.

11. USE EPOXY GROUT FOR USE WITH FLOOR OR WALL TILE APPLICATION. SEE ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION ON GROUT.

12. WHERE FLOORING BREAKS AT A DOOR OR A CASE OPENING, THE SEAM IS TO ALIGN WITH THE INTERIOR FACE OF THE CASED OPENING OR DOOR WHEN CLOSED.

13. WHERE ALL NEW WALL TILE TERMINATES PROVIDE ALUMINUM TRIM STRIP AT HORIZONTAL TERMINATION POINT WHERE CERAMIC TILE MEETS DRYWALL. TYPICAL.

14. PROVIDE ONE COAT OF PRIMER AND TWO COATS OF LATEX EGGSHELL FINISH PAINT IN ALL AREAS TO BE PAINTED.

15. REFER TO ARCHITECTURAL SHEETS A6.1 AND A7.1 FOR LOCATION OF ALL MILLWORK LAMINATE, SOLID SURFACE AND WALL TILE ELEVATIONS DETAILS.

16. WHERE CERAMIC TILE IS NOTED ON THE WALL FINISH PLAN, TILE CONTRACTOR IS TO INCLUDE TILE ON ALL WALLS, UNLESS NOTED OTHERWISE. IF TILE CONTRACTOR IS UNSURE OF WHERE TILE WORK STARTS AND STOPS CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT AND OR DESIGNER.

17. PAINTING CONTRACTOR IS RESPONSIBLE FOR PAINTING ALL NEW AND OR EXISTING PIPING, CONDUIT, DUCT WORK. ETC. THAT WILL BE EXPOSED TO MATCH WALL OR CEILING COLOR.

18. PAINTING CONTRACTOR TO PAINT FACE AND UNDERSIDE OF ALL SOFFITS IN PAINT COLORS AS NOTED ON REFLECTED CEILING FINISH PLANS.

19. ALL NEW DOOR FRAMES SHALL BE PAINTED TO MATCH EXISTING DOOR FRAME COLOR.

FINISH SPECIFICATIONS 24

LEGEND:

RB	RUBBER BASE
CPT	CARPET
CT	CERAMIC TILE
G	GROUT
RF	RUBBER FLOORING
PL	PLASTIC LAMINATE
SSF	SOLID SURFACE
P	PAINT
WC	WALL COVERING
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NA	NOT APPLICABLE
NTS	NOT TO SCALE

LEGEND 25

CARPET

CPT-1 — FURNISHED AND INSTALLED BY OWNER (OPEN OFFICE, CONFERENCE, CONTROL, AND EARLY LEARNING)

SOURCE: BY OWNER

CPT-2 — PATCRAFT COMMERCIAL CARPET, STYLE: I0316 PASEO, COLOR: 00123 OPAL, INSTALL: QUARTER TURN, (WALK OFF - LOBBY)

SOURCE: PATCRAFT, MATT SUDAZ, 708-363-3532

CERAMIC TILE:

CT-1 — VIRGINIA TILE, COLLECTION: MONOCIBEC - MODERN, PATTERN: MNC MOBE 122AR, COLOR: BEIGE, FINISH: MATTE, SIZE: 12" X 24" (IN FRONT OF FIREPLACE IN LOUNGE)

SOURCE: VIRGINIA TILE, DRAGANA RUNDELL, 847-561-9582

CT-2 — VIRGINIA TILE, STONE TILES INTERNATIONAL, UPTOWN COLLECTION, IVORY SPLIT FACE 1X2. STI IVOR MOS12SF (ACCENT FEATURE WALL AT FIREPLACE IN - LOUNGE BACKSPLASH BETWEEN LOWER AND UPPER CASEWORK IN LOUNGE.

SOURCE: VIRGINIA TILE, DRAGANA RUNDELL, 847-561-9582

CT-3 — DALTILE, RITTENHOUSE SQUARE, COLOR: ALMOND 0135, SIZE: 3"X6" BEVEL WALL TILE. INSTALL: BRICK PATTERN. (BACKSPLASH - MULTI-PURPOSE , GAME ROOM AND EARLY LEARNING)

SOURCE: DALTILE, DRAGANA RUNDELL, 847-561-9582

CT-4 — VIRGINIA TILE, COLLECTION: MONOCIBEC - MODERN, PATTERN: MNC MOBE, COLOR: BEIGE, FINISH MATTE, SIZE 12"X24" (WALL TILE IN TOILET ROOM 146)

SOURCE: VIRGINIA TILE, DRAGANA RUNDELL, 847-561-9582

GROUT: TBD

G-1 — MAPEI, COLOR: 04 BAHAMA BEIGE, (USED WITH CT-1 & CT-4)

G-2 — MAPEI, COLOR: 49 LIGHT ALMOND, (USED WITH CT-3)

SOURCE: MAPEI

LUXURY VINYL TILE

LVT-1 — MOHAWK, STYLE: SECOYA C0009, COLOR: 148 ATWELL MILL, SIZE: 9" X 59" PLANK, INSTALL: REFER TO FLOOR PLAN (FIELD LVT)

LVT-2 — MOHAWK, STYLE: BOLDER C0010, COLOR: 832 RIVER ROCK, SIZE: 36" X 36" TILE, INSTALL: REFER TO FLOOR PLAN (ACCENT LVT - MULT-PURPOSE)

LVT-3 — MOHAWK, STYLE: BOLDER C0010, COLOR: 636 CALCITE, SIZE: 36" X 36" TILE, INSTALL: REFER TO FLOOR PLAN (ACCENT LVT - MULT-PURPOSE)

RUBBER SPORTS FLOORING

RF-1 — JOHNSONITE, COMMOTION, COLOR: 524 CHROMATIC, SIZE: 24" X 24", THICKNESS: 3/8" THICK (MEZZANINE)

SOURCE: EJ WELCH, KELLI MILDREN, 630.390.5406

RUBBER BASE

RB-1 — JOHNSONITE, 4" RUBBER WALL BASE, COLOR: 44 DARK BROWN

RB-2 — JOHNSONITE, 6" RUBBER WALL BASE, COLOR: 40 BLACK B

SOURCE: E.J. WELCH CO, KELLI MILDREN, 630.390.5406

VINYL COMPOSITE TILE:

VCT-1 — JOHNSONITE, VINYL COMPOSITION TILE, AZROCK COLLECTION, COLOR: V-212 LAMB'S WOOL SIZE: 12"X12". (EARLY LEARNING, TOILET 146 & PANTRY 145)

SOURCE: E.J. WELCH CO, KELLI MILDREN, 630.390.5406

LAMINATE FINISHES:

PL-1 — FORMICA, COLOR: 5878-58 POSSUM WARP (CASEWORK - CONTROL, LOUNGE, MULTI-PURPOSE, GAME ROOM & EARLY LEARNING)

SOURCE: METRO HARDWOODS, LESSA NAVARRO, 224-355-4429

PL-2 — OCTOLAM, COLOR: 546 MT CORTEZA SANDSTONE (CASEWORK - CONTROL)

SOURCE: WALMARK CORPORATION, CHRISTINA MCHUGH, 847-546-04000

PL-3 — FORMICA, DECOMETAL BY FORMICA GROUP, COLOR: M2032 BRUSHED PEWTER ALUMINUM (CASEWORK REVEAL - CONTROL)

SOURCE: METRO HARDWOODS, LESSA NAVARRO, 224-355-4429

PL-4 — LAMIN-ART, 241-T LUNAR SANDSTORM (CASEWORK - CONTROL)

SOURCE: LAMIN-ART, MELISSA BARNES, 847-544-9565

PAINT FINISHES:

P-1 — BENJAMIN MOORE, COLOR: SPRING IN ASPEN 954 EGGSHELL (FIELD WALL COLOR)

P-2 — SHERWIN WILLIAMS, COLOR: RETREAT SW 6207, EGGSHELL (ACCENT PAINT)

P-3 — BENJAMIN MOORE, COLOR: MAYFLOWER RED HC-49, EGGSHELL (ACCENT PAINT)

P-4 — BENJAMIN MOORE, COLOR: RATTAN AF-375. EGGSHELL (ACCENT PAINT - SOFFIT)

P-5 — BENJAMIN MOORE, COLOR: MAYONNAISE 2152-70, FLAT (CEILING PAINT)

SOURCE: SHERWIN WILLIAMS AND BENJAMIN MOORE

WALL PROTECTION:

WC-1 — CS GROUP, ACROVYN, COLOR: 920 ALMOND (PANELS AND TRIMS),4' X 8' PROTECTIVE WALLCOVERING PANELS. INSTALLED HORIZONTALLY, 0.040" THICKNESS, PROVIDE TRIM PIECES & CHAIR RAIL AS SHOWN IN MATCHING COLOR, REFER TO ARCHITECTURAL SPECS AND ID4.1 ELEVATIONS FOR MORE INFORMATION

SOURCE: CS GROUP, TADD BREON, 630-393-1919

SOLID SURFACE MATERIALS:

SSF-1 — 909 SURFACES, PRIMA COLLECTION, COLOR: HARMONY NN710-PM50-72 (CONTROL, LOUNGE, MULTI-PURPOSE & GAME ROOM COUNTERS)

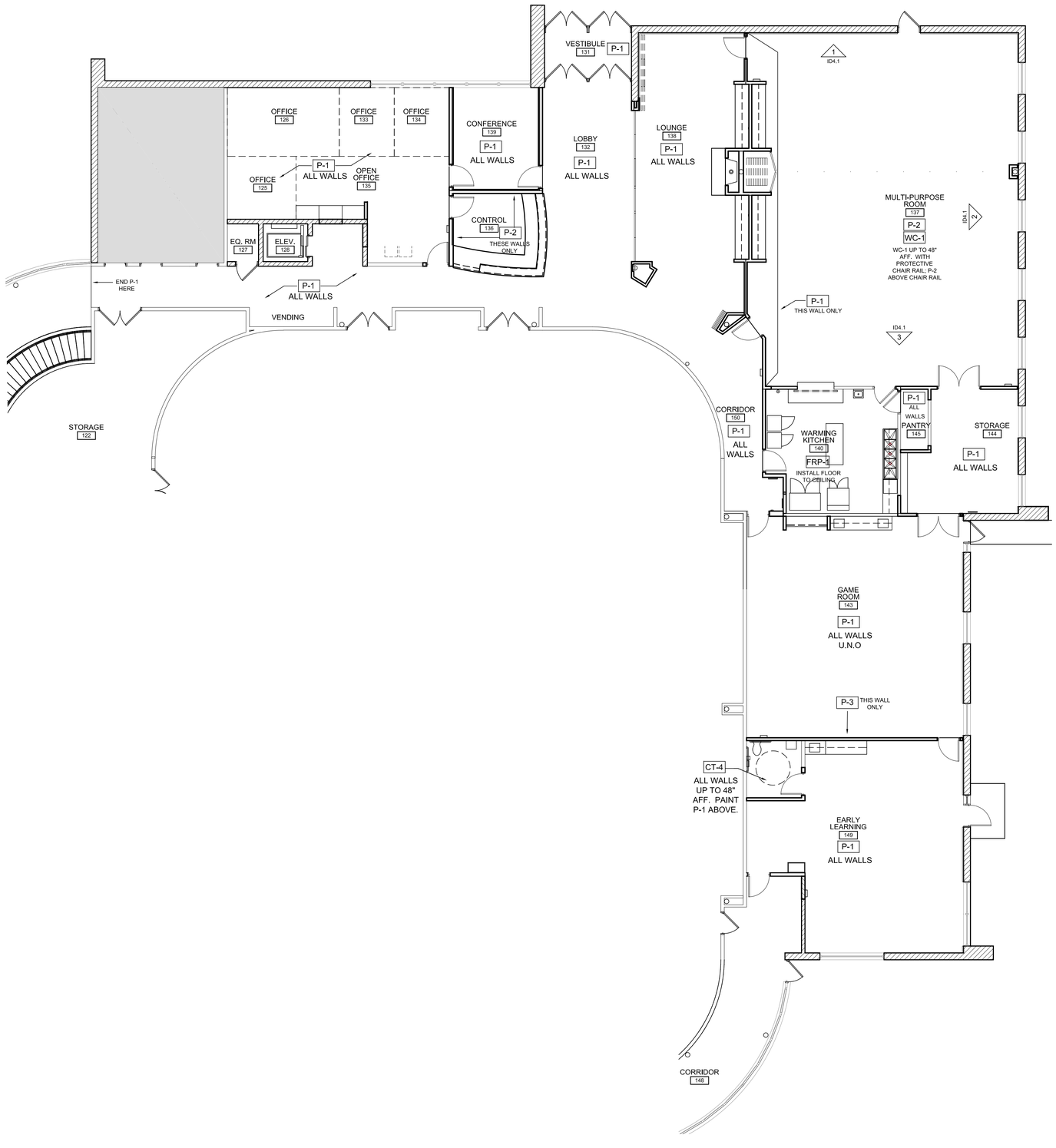
SOURCE: WURTH BAER SUPPLY, JULIE HEINZEL, 779-899-1434

FRP:

FRP-1 — MARLITE, PATTERN: STANDARD FRP PEBBLE, COLOR: TBD, INSTALL: 4' X 9' OR 4' X 10' (AS APPLICABLE) PANEL. ALL PANELS ARE TO INSTALL VERTICALLY WITH SEAM EVERY 4'. PROVIDE APPROPRIATE TRIM STRIP AT SEAMS EVERY 4'. INSTALL: FLOOR TO CEILING IN WARMING KITCHEN 140

SOURCE: MARLITE

INTERIOR FINISHES 20



FLOOR FINISH PLAN

SCALE: 1/8" = 1'-0" (0, 4, 8, 16)

5

HOFFMAN ESTATES PARK DISTRICT
TRIPHAHN CENTER
1685 WEST HIGGINS ROAD
HOFFMAN ESTATES, IL 60169

was no	2015-056
date	09/20/2016
drawn	CJS / MNC
checked	FRP / CAK
revised	ISSUED FOR BID

WILLIAMS ARCHITECTS
ARCHITECTS PLANNERS
500 Park Boulevard, Suite 800, Itasca, IL 60143
Phone 630-221-1212 / Fax 630-221-1220

FIRST FLOOR INTERIOR WALL FINISH PLAN

ID2.1

GENERAL NOTES:

1. SEE ALL PLAN DRAWINGS (ID SERIES) FOR DIMENSIONS, LOCATION ISSUES, ENLARGED PLANS, ELEVATION TARGETS, DETAIL TARGETS, ETC.

2. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION FOR ALL PARTS OF THE WORK SO THAT NO WORK SHALL BE LEFT IN AN UNFINISHED OR INCOMPLETE CONDITION.

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9. LEAD TIMES FOR ALL SPECIFIED MATERIALS VARY. PURCHASING CONTRACTOR AND/OR SUPPLIER ASSUMES RESPONSIBILITY FOR VERIFYING LEAD TIME WITH MANUFACTURER AND ORDERING MATERIAL IN ACCORDANCE WITH PROJECT SCHEDULE AND COMPLETION DATE.

GENERAL NOTES 21

FINISH SPECIFICATIONS:

1. IN ALL AREAS WHERE LVT, CARPET, AND VCT PRODUCTS ARE INSTALLED PROVIDE 4" RUBBER COVE BASE.

2. IN ALL AREAS WHERE RUBBER SPORTS FLOORING PRODUCTS RF-1 ARE INSTALLED PROVIDE 6" RUBBER COVE BASE.

3.ADD SCHLUTER METAL EDGE TRANSITION STRIP WHERE CERAMIC TILE MEETS LVT-1 IN LOUNGE 138.

4. ADD SCHLUTER METAL EDGE TRANSITION STRIP WHERE LVT-1 MEETS CPT-2 IN LOBBY 132, CORRIDOR 150 & LOUNGE 138

5. IN ALL AREAS WHERE NEW LVT-1 FLOORING MEETS EXISTING FLOORING AT DOOR THRESHOLDS PROVIDE APPROPRIATE RUBBER TRANSITION STRIPS TO MATCH RB-1.

6. IN TOILET ROOM 146 PROVIDE CERAMIC TILE ON ALL WALLS FROM FLOOR TO 48" AFF. PROVIDE COVE BASE TO MATCH WALL TILE CT-4. WHERE CERAMIC TILE MEETS MIRROR CONTRACTOR PROVIDE A CERAMIC TILE BORDER AROUND FRAME OF MIRROR SO THAT NO GAPS ARE VISABLE BEHIND MIRROR WHERE MIRROR HALF SITS ON CERAMIC TILE AND DRYWALL WALL.

7. EXISTING THRESHOLDS IN GYM TO BE REMOVED AND REINSTALLED BY FLOORING CONTRACTOR.

8. IN WARMING KITCHEN 140, PATCH FLOOR AND ADD NEW VCT TO MATCH EXISTING VCT WHERE DEMO OCCURS.

9. IN OPEN OFFICE 135, CONFERENCE 139, AND CONTROL 136, CARPET TO BE FURNISHED AND INSTALLED BY OWNER.

10. ALL CERAMIC TILE SHALL BE LAYED FROM CENTER MARKS ESTABLISHED WITH PRINCIPAL WALLS, SO THAT TILES AT OPPOSITE EDGES ARE EQUAL IN WIDTH UNLESS DIMENSIONED OTHERWISE ON INTERIOR PLANS AND ELEVATIONS.

11. USE EPOXY GROUT FOR USE WITH FLOOR OR WALL TILE APPLICATION. SEE ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION ON GROUT.

12. WHERE FLOORING BREAKS AT A DOOR OR A CASE OPENING, THE SEAM IS TO ALIGN WITH THE INTERIOR FACE OF THE CASED OPENING OR DOOR WHEN CLOSED.

13. WHERE ALL NEW WALL TILE TERMINATES PROVIDE ALUMINUM TRIM STRIP AT HORIZONTAL TERMINATION POINT WHERE CERAMIC TILE MEETS DRYWALL. TYPICAL.

14. PROVIDE ONE COAT OF PRIMER AND TWO COATS OF LATEX EGGSHELL FINISH PAINT IN ALL AREAS TO BE PAINTED.

15. REFER TO ARCHITECTURAL SHEETS A6.1 AND A7.1 FOR LOCATION OF ALL MILLWORK LAMINATE, SOLID SURFACE AND WALL TILE ELEVATIONS DETAILS.

16. WHERE CERAMIC TILE IS NOTED ON THE WALL FINISH PLAN, TILE CONTRACTOR IS TO INCLUDE TILE ON ALL WALLS, UNLESS NOTED OTHERWISE. IF TILE CONTRACTOR IS UNSURE OF WHERE TILE WORK STARTS AND STOPS CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT AND OR DESIGNER.

17. PAINTING CONTRACTOR IS RESPONSIBLE FOR PAINTING ALL NEW AND OR EXISTING PIPING, CONDUIT, DUCT WORK, ETC. THAT WILL BE EXPOSED TO MATCH WALL OR CEILING COLOR.

18. PAINTING CONTRACTOR TO PAINT FACE AND UNDERSIDE OF ALL SOFFITS IN PAINT COLORS AS NOTED ON REFLECTED CEILING FINISH PLANS.

19. ALL NEW DOOR FRAMES SHALL BE PAINTED TO MATCH EXISTING DOOR FRAME COLOR.

FINISH SPECIFICATIONS 24

LEGEND:

RB	RUBBER BASE
CPT	CARPET
CT	CERAMIC TILE
G	GROUT
RF	RUBBER FLOORING
PL	PLASTIC LAMINATE
SSF	SOLID SURFACE
P	PAINT
WC	WALL COVERING
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NA	NOT APPLICABLE
NTS	NOT TO SCALE

LEGEND 25

CARPET

CPT-1 — FURNISHED AND INSTALLED BY OWNER (OPEN OFFICE, CONFERENCE, CONTROL, AND EARLY LEARNING)

SOURCE: BY OWNER

CPT-2 — PATCRAFT COMMERCIAL CARPET, STYLE: I0316 PASEO, COLOR: 00123 OPAL, INSTALL: QUARTER TURN, (WALK OFF - LOBBY)

SOURCE: PATCRAFT, MATT SUDAZ, 708-363-3532

CERAMIC TILE:

CT-1 — VIRGINIA TILE, COLLECTION: MONOCIBEC - MODERN, PATTERN: MNC MOBE 122AR, COLOR: BEIGE, FINISH: MATTE, SIZE: 12" X 24" (IN FRONT OF FIREPLACE IN LOUNGE)

SOURCE: VIRGINIA TILE, DRAGANA RUNDELL, 847-561-9582

CT-2 — VIRGINIA TILE, STONE TILES INTERNATIONAL, UPTOWN COLLECTION, IVORY SPLIT FACE 1X2. STI IVOR MOS12SF (ACCENT FEATURE WALL AT FIREPLACE IN - LOUNGE BACKSPLASH BETWEEN LOWER AND UPPER CASEWORK IN LOUNGE.

SOURCE: VIRGINIA TILE, DRAGANA RUNDELL, 847-561-9582

CT-3 — DALTILE, RITTENHOUSE SQUARE, COLOR: ALMOND 0135, SIZE: 3"X6" BEVEL WALL TILE. INSTALL: BRICK PATTERN. (BACKSPLASH - MULTI-PURPOSE , GAME ROOM AND EARLY LEARNING)

SOURCE: DALTILE, DRAGANA RUNDELL, 847-561-9582

CT-4 — VIRGINIA TILE, COLLECTION: MONOCIBEC - MODERN, PATTERN: MNC MOBE, COLOR: BEIGE, FINISH MATTE, SIZE 12"X24" (WALL TILE IN TOILET ROOM 146)

SOURCE: VIRGINIA TILE, DRAGANA RUNDELL, 847-561-9582

GROUT: TBD

G-1 — MAPEI, COLOR: 04 BAHAMA BEIGE, (USED WITH CT-1 & CT-4)

G-2 — MAPEI, COLOR: 49 LIGHT ALMOND, (USED WITH CT-3)

SOURCE: MAPEI

LUXURY VINYL TILE

LVT-1 — MOHAWK, STYLE: SECOYA C0009, COLOR: 148 ATWELL MILL, SIZE: 9" X 59" PLANK, INSTALL: REFER TO FLOOR PLAN (FIELD LVT)

LVT-2 — MOHAWK, STYLE: BOLDER C0010, COLOR: 832 RIVER ROCK, SIZE: 36" X 36" TILE, INSTALL: REFER TO FLOOR PLAN (ACCENT LVT - MULT-PURPOSE)

LVT-3 — MOHAWK, STYLE: BOLDER C0010, COLOR: 636 CALCITE, SIZE: 36" X 36" TILE, INSTALL: REFER TO FLOOR PLAN (ACCENT LVT - MULT-PURPOSE)

RUBBER SPORTS FLOORING

RF-1 — JOHNSONITE, COMMOTION, COLOR: 524 CHROMATIC, SIZE: 24" X 24", THICKNESS: 3/8" THICK (MEZZANINE)

SOURCE: EJ WELCH, KELLI MILDREN, 630.390.5406

RUBBER BASE

RB-1 — JOHNSONITE, 4" RUBBER WALL BASE, COLOR: 44 DARK BROWN

RB-2 — JOHNSONITE, 6" RUBBER WALL BASE, COLOR: 40 BLACK B

SOURCE: E.J. WELCH CO, KELLI MILDREN, 630.390.5406

VINYL COMPOSITE TILE:

VCT-1 — JOHNSONITE, VINYL COMPOSITION TILE, AZROCK COLLECTION, COLOR: V-212 LAMB'S WOOL SIZE: 12"X12". (EARLY LEARNING, TOILET 146 & PANTRY 145)

SOURCE: E.J. WELCH CO, KELLI MILDREN, 630.390.5406

LAMINATE FINISHES:

PL-1 — FORMICA, COLOR: 5878-58 POSSUM WARP (CASEWORK - CONTROL, LOUNGE, MULTI-PURPOSE, GAME ROOM & EARLY LEARNING)

SOURCE: METRO HARDWOODS, LESSA NAVARRO, 224-355-4429

PL-2 — OCTOLAM, COLOR: 546 MT CORTEZA SANDSTONE (CASEWORK - CONTROL)

SOURCE: WALMARK CORPORATION, CHRISTINA MCHUGH, 847-546-04000

PL-3 — FORMICA, DECOMETAL BY FORMICA GROUP, COLOR: M2032 BRUSHED PEWTER ALUMINUM (CASEWORK REVEAL - CONTROL)

SOURCE: METRO HARDWOODS, LESSA NAVARRO, 224-355-4429

PL-4 — LAMIN-ART, 241-T LUNAR SANDSTORM (CASEWORK - CONTROL)

SOURCE: LAMIN-ART, MELISSA BARNES, 847-544-9565

PAINT FINISHES:

P-1 — BENJAMIN MOORE, COLOR: SPRING IN ASPEN 954 EGGSHELL (FIELD WALL COLOR)

P-2 — SHERWIN WILLIAMS, COLOR: RETREAT SW 6207, EGGSHELL (ACCENT PAINT)

P-3 — BENJAMIN MOORE, COLOR: MAYFLOWER RED HC-49, EGGSHELL (ACCENT PAINT)

P-4 — BENJAMIN MOORE, COLOR: RATTAN AF-375. EGGSHELL (ACCENT PAINT - SOFFIT)

P-5 — BENJAMIN MOORE, COLOR: MAYONNAISE 2152-70, FLAT (CEILING PAINT)

SOURCE: SHERWIN WILLIAMS AND BENJAMIN MOORE

WALL PROTECTION:

WP-1 — CS GROUP, ACROVYN, COLOR: 920 ALMOND (PANELS AND TRIMS).4' X 8' PROTECTIVE WALLCOVERING PANELS. INSTALLED HORIZONTALLY, 0.040" THICKNESS. PROVIDE TRIM PIECES & CHAIR RAIL AS SHOWN IN MATCHING COLOR. REFER TO ARCHITECTURAL SPECS AND ID4.1 ELEVATIONS FOR MORE INFORMATION

SOURCE: CS GROUP, TADD BREON, 630-393-1919

SOLID SURFACE MATERIALS:

SSF-1 — 909 SURFACES, PRIMA COLLECTION, COLOR: HARMONY NN710-PM50-72 (CONTROL, LOUNGE, MULTI-PURPOSE & GAME ROOM COUNTERS)

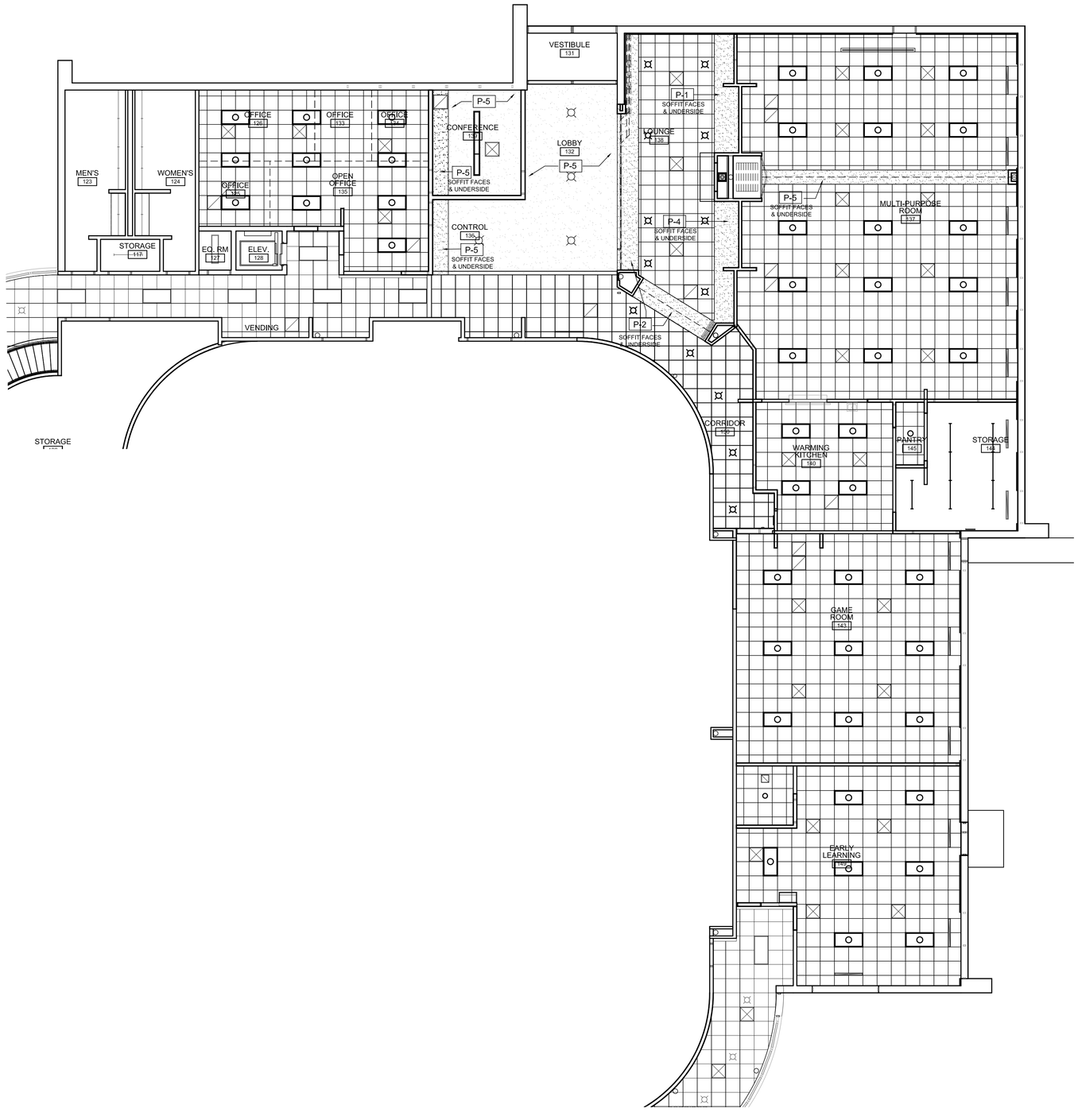
SOURCE: WURTH BAER SUPPLY, JULIE HEINZEL, 779-899-1434

FRP:

FRP-1 — MARLITE, PATTERN: STANDARD FRP PEBBLE, COLOR: TBD, INSTALL: 4' X 9' OR 4' X 10' (AS APPLICABLE) PANEL. ALL PANELS ARE TO INSTALL VERTICALLY WITH SEAM EVERY 4'. PROVIDE APPROPRIATE TRIM STRIP AT SEAMS EVERY 4'. INSTALL: FLOOR TO CEILING IN WARMING KITCHEN 140

SOURCE: MARLITE

INTERIOR FINISHES 20



FLOOR FINISH PLAN

SCALE: 1/8" = 1'-0" (0, 4, 8, 16)

5

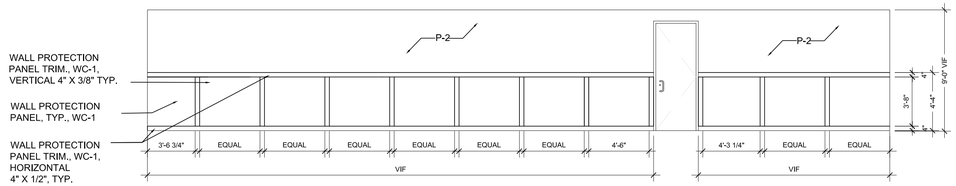
HOFFMAN ESTATES PARK DISTRICT
TRIPHAHN CENTER
1685 WEST HIGGINS ROAD
HOFFMAN ESTATES, IL 60169

was no	2015-056
date	09/20/2016
drawn	CJS / MNC
checked	FRP / CAK
revised	ISSUED FOR BID

WILLIAMS ARCHITECTS
ARCHITECTS PLANNERS
500 Park Boulevard, Suite 800, Itasca, IL 60143
Phone 630-221-1212 / Fax 630-221-1220

FIRST FLOOR REFLECTED CEILING PLAN

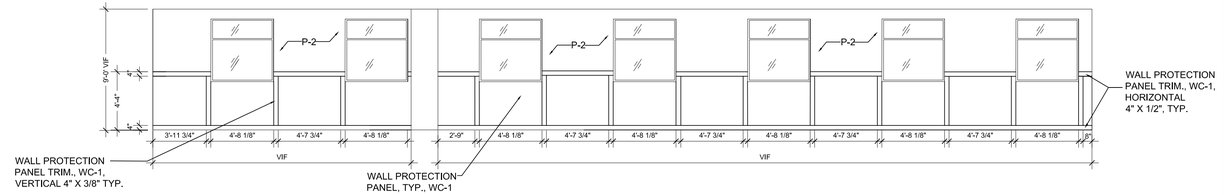
ID3.1



INTERIOR ELEVATION

SCALE: 3/16" = 1'-0" 0 4 8 16

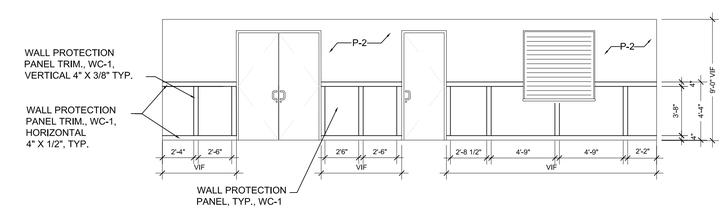
1



INTERIOR ELEVATION

SCALE: 3/16" = 1'-0" 0 4 8 16

3



INTERIOR ELEVATION

SCALE: 3/16" = 1'-0" 0 4 8 16

5

HOFFMAN ESTATES PARK DISTRICT
TRIPHAHN CENTER
1685 WEST HIGGINS ROAD
HOFFMAN ESTATES, IL 60169

wa/a no 2015-056
date 09/20/2016
drawn MINC
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INTERIOR ELEVATIONS

ID4.1

1 GENERAL NOTES

1.1 CODES AND DESIGN CRITERIA
a BUILDING CODE: INTERNATIONAL BUILDING CODE 2009
b OCCUPANCY CATEGORY III
c THE STRUCTURAL FRAMING INDICATED ON THE FOLLOWING STRUCTURAL DOCUMENTS ARE TENANT IMPROVEMENTS TO AN EXISTING STRUCTURE. STRUCTURAL IMPROVEMENTS ARE DESIGNED IN ACCORDANCE WITH THE BUILDING CODE NOTED ABOVE AND SECTION 3403.2 OF IBC 2009. ALL EXISTING FRAMING SHOWN IS BASED ON A LIMITED SITE SURVEY. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING CONDITIONS INCLUDING ALL DIMENSIONS AND ELEVATIONS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DESIGN DOCUMENTS. THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.

1.2 DESIGN LOADS
a ROOF LOAD
DEAD LOAD 20 PSF
LIVE LOAD 25 PSF
b ROOF STEEL BAR JOIST
DEAD LOAD TOP CHORD 15 PSF
DEAD LOAD BOTTOM CHORD 5 PSF
LIVE LOAD TOP CHORD 25 PSF
c FOLDING PARTITIONS 11 PSF
d [NOT USED]
e SNOW LOAD
GROUND SNOW LOAD Pg 25 PSF
IMPORTANCE FACTOR Is 1.1
SNOW EXPOSURE FACTOR Ce 1.0
SNOW THERMAL FACTOR Ct 1.0
FLAT ROOF SNOW LOAD Pf 25 PSF
f WIND LOADS (ASCE7-10)
MWFRS
BASIC WIND SPEED 90 mph (3 SEC GUST)
OCCUPANCY CATEGORY III
WIND EXPOSURE B
INTERNAL PRESSURE COEFFICIENT +/- .18
COMPONENTS & CLADDING
TRIBUTARY AREA=100 SQUARE FEET
ROOF ZONE 1 +10/-17 PSF
ROOF ZONE 2 +10/-20 PSF
ROOF ZONE 3 +10/-20 PSF
TRIBUTARY AREA 10 SQUARE FEET
ROOF ZONE 1 +10/-18 PSF
ROOF ZONE 2 +10/-30 PSF
ROOF ZONE 3 +10/-45 PSF
WALLS (TRIBUTARY AREA > 50 SQUARE FEET)
WALL ZONE 4 +17/-20 PSF
WALL ZONE 5 +17/-24 PSF
g SEISMIC LOADS
OCCUPANCY CATEGORY III
SEISMIC IMPORTANCE FACTOR 1.0
Ss .174 Sds .185
S1 .059 Sd1 .094
SITE CLASS D
SEISMIC DESIGN CATEGORY B
ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

1.3 GENERAL REQUIREMENTS
a DEFINITIONS
PRIMARY STRUCTURAL SYSTEM IS THE COMPLETED COMBINATION OF ELEMENTS WHICH SERVE TO SUPPORT THE BUILDING'S SELF-WEIGHT, THE APPLICABLE LIVE LOAD, AND THE ENVIRONMENTAL LOADS SUCH AS WIND, SEISMIC.
PRE-ENGINEERED STRUCTURAL ELEMENTS ARE STRUCTURAL ELEMENTS WHICH ARE SPECIFIED BY THE SER AS DESIGN DELEGATED ITEMS TO BE THE DESIGN RESPONSIBILITY OF A SPECIALTY STRUCTURAL ENGINEER (SSE)
SPECIAL INSPECTION IS INSPECTION PERFORMED BY A QUALIFIED PERSON, APPROVED BY THE BUILDING OFFICIAL, FOR THE TYPES OF WORK REQUIRING INSPECTION PER THE GOVERNING CODES AND CONTRACT DOCUMENTS.
SPECIALTY STRUCTURAL ENGINEER (SSE) IS A LICENSED PROFESSIONAL/STRUCTURAL ENGINEER, NOT THE SER, WHO IS RESPONSIBLE FOR SEALING PLANS AND DESIGNS FOR PRE-ENGINEERED STRUCTURAL ELEMENTS WHICH ARE NECESSARY FOR THE STRUCTURE TO BE COMPLETED AND THE SER HAS DESIGNATED AS DESIGN DELEGATED ITEMS.
STRUCTURAL ENGINEER OF RECORD (SER) IS THE STRUCTURAL ENGINEER WHO IS LEGALLY ELIGIBLE TO SEAL THE STRUCTURAL DOCUMENTS FOR A BUILDING PROJECT. THE SER IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM.
DESIGNATED REPRESENTATIVE FOR CONSTRUCTION (DRC - I.E., CONSTRUCTION MANAGER OR GENERAL CONTRACTOR) IS RESPONSIBLE FOR THE OVERALL CONSTRUCTION OF THE PROJECT INCLUDING PROJECT SCHEDULING, JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION.
SPECIAL INSPECTOR: A QUALIFIED PERSON EMPLOYED OR RETAINED BY AN APPROVED AGENCY AND APPROVED BY THE BUILDING OFFICIAL AS HAVING THE COMPETENCE NECESSARY TO INSPECT A PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION.
b THE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE GEOTECHNICAL REPORT.
c THE DRC SHALL COORDINATE WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS AND WITH THE MECHANICAL CONTRACTOR, THE LOCATION OF ALL MECHANICAL EQUIPMENT.
d THE DRC SHALL NOTIFY THE ARCHITECT IF THE WEIGHTS OF MECHANICAL UNITS ETC. ARE DIFFERENT FROM THE WEIGHTS POSTED ON THE DESIGN DRAWINGS. DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH CONSTRUCTION.
e THE DRC SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES TO AVOID THE POSSIBILITY OF UNNECESSARY FUTURE PROBLEMS AND POSSIBLE FIELD ORDERS. FAILURE TO DO SO WILL PUT THE FULL RESPONSIBILITY OF CORRECTION ON THE DRC.
f THE DRC SHALL COORDINATE THE WORK OF ALL TRADES AND MAKE NECESSARY INVESTIGATIONS AND FIELD MEASUREMENTS.
g DO NOT SCALE DRAWINGS.
h THE SER HAS NO SUPERVISORY RESPONSIBILITY, HAS NO CONTROL OF OR RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCE OF CONSTRUCTION, HAS NO RESPONSIBILITY FOR THE FAILURE OF ANY CONTRACTOR TO PERFORM THE WORK IN ACCORDANCE WITH THE DESIGN DOCUMENTS AND NO RESPONSIBILITY TO DEVISE, IMPLEMENT OR ENFORCE ANY SAFETY PRECAUTIONS OR PROGRAMS FOR THE PROJECT

1.4 SLEEVES, ANCHORAGES, OPENINGS, ETC.
a IN GENERAL, STRUCTURAL DRAWINGS DO NOT SHOW EQUIPMENT PADS, DRAINS, HOLES, ANCHORAGES, INSERTS AND SLEEVES FOR ITEMS PASSING THROUGH OR ATTACHED TO CONCRETE OR FRAMING. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND PROJECT SPECIFICATIONS. ADJUST EQUIPMENT PADS AND SUB FRAMING TO FIT EQUIPMENT FURNISHED.
b PROVIDE SUB FRAMING FOR EQUIPMENT SUPPORTED ON OR SUSPENDED FROM THE STRUCTURE.

1.5 STRUCTURAL STABILITY AND CONSTRUCTION
a INDIVIDUAL STRUCTURAL COMPONENTS ARE DESIGNED TO SUPPORT LOADS IN THEIR FINAL ERECTED POSITION AS PART OF THE TOTAL COMPLETED STRUCTURE.
b DRC TO PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED UNTIL ALL CONSTRUCTION AFFECTING LATERAL STABILITY IS COMPLETED.
c DRC SHALL BE SOLELY RESPONSIBLE FOR STABILITY OF STRUCTURE, ITS PARTS BY USE OF GUYING, BRACING, SHORING, BARRICADES, SAFETY RAILINGS AND DEVICES DURING THE ENTIRE PERIOD OF CONSTRUCTION.
d DRC SHALL BE SOLELY RESPONSIBLE FOR ALL JOB SITE SAFETY AND MEANS AND METHOD OF CONSTRUCTION.

1.6 SHOP DRAWINGS AND TEST REPORTS
a DRC SHALL CHECK ALL SHOP DRAWINGS BEFORE SUBMITTAL TO SER FOR REVIEW.
b DRC SHALL PREPARE A SHOP DRAWING SUBMITTAL SCHEDULE WITH A MINIMUM OF TWO WEEKS INCLUDED FOR THE SER'S REVIEW OF EACH SUBMITTAL LISTED BELOW.
c REVIEW BY SER WILL BE FOR CONFORMANCE TO GENERAL LAYOUT AND DESIGN INTENT ONLY.
d CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ACCURACY OF DIMENSIONS, FABRICATION, FIT UP OF PARTS AND BILLS OF MATERIALS.
e CONTRACTOR SHALL COORDINATE WORK OF VARIOUS TRADES AND MAKE NECESSARY FIELD MEASUREMENTS.
f THE CONTRACT SPECIFICATIONS PROVIDE A COMPLETE LISTING OF SUBMITTALS. THE FOLLOWING IS A SUMMARY OF THE REQUIRED SUBMITTALS:
CONCRETE
CONCRETE MIX DESIGNS WITH ASSOCIATED HISTORICAL TEST DATA
REINFORCING STEEL PLACEMENT DRAWINGS PER ACI 315
STRUCTURAL STEEL
STRUCTURAL STEEL SHOP DRAWINGS
CONNECTION DESIGN SIGNED AND SEALED BY LICENSED SSE.
UNDERPINNING/SHORING PROCEDURES AND SEALED CALCULATIONS

1.7 DEFERRED SUBMITTALS - DESIGN DELEGATED COMPONENTS
a CERTAIN COMPONENTS OF THE COMPLETED CONSTRUCTION ARE DESIGN DELEGATED TO THE MANUFACTURER OF THE COMPONENT. THE MANUFACTURER'S SSE SHALL BE RESPONSIBLE FOR THE DESIGN OF THE COMPONENT. THE FOLLOWING ARE DESIGNATED TO BE DESIGN DELEGATED COMPONENTS ON THIS PROJECT:
b [NOT USED]
c STRUCTURAL STEEL CONNECTIONS
d [NOT USED]
e [NOT USED]
f [NOT USED]
g TEMPORARY SHORING AND BRACING
h [NOT USED]
i CURTAIN WALLS
j WINDOW WALLS
k [NOT USED]
l OTHER WORK AS LISTED ON DRAWINGS, SPECIFICATIONS AND CUSTOMARY INDUSTRY STANDARDS. WHERE DELEGATION OF DESIGN IS SPECIFIED,
m THE MANUFACTURER SHALL BE RESPONSIBLE FOR RETAINING THE SERVICES OF A LICENSED SPECIALTY STRUCTURAL ENGINEER (SSE) IN THE STATE HAVING JURISDICTION. THE SSE SHALL DESIGN AND DETAIL COMPONENTS TO MEET GOVERNING BUILDING CODES, STANDARDS AND THE SPECIFIED PERFORMANCE CRITERIA. SIGNED AND SEALED CALCULATIONS SHALL BE SUBMITTED FOR RECORD. THE DESIGN DELEGATED SSE SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF THE COMPONENT.
n SSE SUBMITTALS WILL BE REVIEWED BY THE SER FOR LOADING CRITERIA AND GENERAL CONFORMANCE TO THE PRIMARY STRUCTURAL SYSTEM.

1.8 DEMOLITION
a THE ARCHITECTURAL/STRUCTURAL DEMOLITION DRAWINGS INDICATE THE GENERAL AREAS OF DEMOLITION. THE DRC SHALL VERIFY IN THE FIELD ALL ITEMS TO BE REMOVED TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
b THE DRC SHALL CAREFULLY REMOVE ONLY THE EXISTING ITEMS IDENTIFIED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
c IN NO CASE SHALL THE REMOVAL OF ANY PORTION OF THE EXISTING STRUCTURE BE PERFORMED IN SUCH A WAY AS TO AFFECT THE STRUCTURAL INTEGRITY OF THE REMAINING PORTION OF THE BUILDING.
d THE CONTRACTOR SHALL NOTIFY THE SER IMMEDIATELY OF ANY STRUCTURAL ITEMS WHICH NEED TO BE DEMOLISHED BUT ARE NOT CLEARLY IDENTIFIED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS.
e THE CONTRACTOR SHALL MINIMIZE THE EXTENT OF THE DEMOLITION TO THE EXISTING STRUCTURE TO ONLY THAT REQUIRED TO INSTALL THE NEW BUILDING MODIFICATIONS.

1.9 STRUCTURAL TESTS AND INSPECTIONS (IBC 2009)

a AN INDEPENDENT APPROVED AGENCY SHALL PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION IN ACCORDANCE WITH CHAPTER 17 OF IBC 2009.
b THE APPROVED AGENCY'S SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
c THE APPROVED AGENCY SHALL KEEP RECORDS OF ALL SPECIAL INSPECTIONS AND TESTS AND SUBMIT REPORTS TO THE BUILDING OFFICIAL AND THE SER.
d ALL DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DRC FOR CORRECTION. IF UNCORRECTED, THE APPROVED AGENCY SHALL NOTIFY THE BUILDING OFFICIAL AND THE SER.
e REFER TO IBC 2009 1704.5 FOR SUBMITTALS TO THE BUILDING OFFICIAL IN ADDITION TO THE REPORTS.
f THE APPROVED AGENCY SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THIS CODE.
g QUALITY CONTROL SHALL BE THE RESPONSIBILITY OF THE FABRICATOR/ERECTOR IN ACCORDANCE WITH AISC360-10 CHAPTER N.
h JOB SITE VISITS BY THE SER DO NOT CONSTITUTE AN OFFICIAL SPECIAL INSPECTION.

STATEMENT OF SPECIAL INSPECTIONS:

a REFER TO THE REFERENCED DOCUMENTS (IBC 2009 CHAPTER 17, AISC 360-10 CHAPTER N, ACI530-13 CHAPTER 3,) FOR ADDITIONAL DESCRIPTIONS OF REQUIREMENTS.
b STRUCTURAL OBSERVATIONS FOR SEISMIC REQUIRED/NOT REQUIRED: SDC ???/RC???. IF REQUIRED REFER TO IBC 2009 1705.12
c STRUCTURAL OBSERVATIONS FOR WIND REQUIRED/NOT REQUIRED VASD = ???/RC???. IF REQUIRED REFER TO IBC 2009 1705.11.
d THE FOLLOWING LIST OF MATERIALS AND WORK REQUIRE SPECIAL INSPECTIONS (P) PERIODIC; (C) CONTINUOUS

STRUCTURAL STEEL (1705.2 - AISC360-10 CHAPTER N)

1 INSPECTION TASKS PRIOR TO WELDING SHOP/FIELD (AISC360-10 TABLE N5.4-1 & AWS D1.1)
a REVIEW WELDING PROCEDURE SPECIFICATIONS (WPS) & WELDING CONSUMABLES (C)
b FIT UP GROOVE AND FILLET WELDS (P)
c CONFIGURATION OF ACCESS HOLES (P)
2 INSPECTION TASKS DURING WELDING SHOP/FIELD (AISC360-10 TABLE N5.4-2 & AWS D1.1)
a QUALIFIED WELDERS (C)
b CONTROL AND HANDLING OF CONSUMABLES (C)
c NO WELDING OVER TACK WELDS (C)
d ENVIRONMENTAL CONDITIONS (C)
e WPS FOLLOWED (C)
f WELDING TECHNIQUES (C)
3 INSPECTION TASKS AFTER WELDING SHOP/FIELD (AISC360-10 TABLE N5.4-3 & AWS D1.1)
a WELDS CLEANED (C)
b SIZE, LENGTH, LOCATION OF WELDS (C)
c WELDS MEET VISUAL ACCEPTANCE CRITERIA (C)
d CJP GROOVE WELD NDT PER AWS D1.1 (C)
4 INSPECTION TASKS PRIOR TO BOLTING (AISC360-10 TABLE N5.6-1)
a BOLT MATERIAL GRADE
b PROPER FASTENERS USED PER CONTRACT DOCUMENTS (P)
c PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL (P)
d CONNECTION ELEMENTS INCLUDING FAYING SURFACES MEET REQUIREMENTS (P)
e PROPER STORAGE OF FASTENER COMPONENTS (P)
5 INSPECTION TASKS DURING BOLTING (AISC360-10 TABLE N5..6-2)
a FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND POSITIONED AS REQUIRED (P).
b JOINT BROUGHT TO SNUG TIGHT CONDITION (P)
c FASTENER COMPONENT NOT TURNED BY WRENCH PREVENTED FROM ROTATING (P)
d FASTENERS PRETENSIONED PER RCSC SPECIFICATION (P)
6 INSPECTION TASKS AFTER BOLTING (AISC360-10 TABLE N5.6-3)
a DOCUMENT ACCEPTED OR REJECTED BOLTED CONNECTIONS (C)
7 INSPECTION OF ANCHOR RODS IN CONFORMANCE WITH CONTRACT DOCUMENTS. (P)
8 INSPECTION OF STEEL FRAME/CONNECTION DETAILS IN CONFORMANCE WITH CONTRACT DOCUMENTS. (P)
9 INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT (AISC360-10 TABLE N6.1)
a PLACEMENT OF STEEL DECK (C)
b PLACEMENT OF STEEL HEADED STUD (C)
c DOCUMENT ACCEPTANCE OR REJECTION (C)
10 INSPECTION OF METAL DECK DIAPHRAGM CONNECTIONS TO STEEL FRAMING. (P)
11 OPEN WEB STEEL JOISTS (IBC 2015 TABLE 1705.2.3)
a END CONNECTIONS (P)
b BRIDGING (P)
c MEMBER SIZES IN ACCORDANCE WITH CONTRACT DOCUMENTS (P)
12 COLD FORMED STEEL FRAMING
a MATERIAL GRADES (P)
b FRAMING DETAILS AND CONNECTIONS PER CONTRACT DOCUMENTS (P)

CONCRETE CONSTRUCTION (IBC 2009 TABLE 1705.3)

1 REINFORCEMENT PLACEMENT (P)
2 REINFORCING BAR WELDING (P)
3 ANCHORS CAST IN CONCRETE (P)
4 POST INSTALLED ANCHORS
a ADHESIVE (C)
b MECHANICAL (P)
5 VERIFY USE OF REQUIRED MIX (P)
6 STRENGTH, SLUMP, AIR, TEMPERATURE TEST OF CONCRETE PRIOR TO PLACEMENT (C)
7 CONCRETE PLACEMENT (C)
8 VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES (P)
9 INSPECT ERECTION OF PRECAST MEMBERS INCLUDING CONNECTIONS (P)
10 INSPECT FORMWORK (P)

SOILS (IBC 2009 TABLE 1705.6)

1 VERIFY BEARING CAPACITY BELOW SHALLOW FOUNDATIONS (P)
2 VERIFY EXCAVATIONS EXTEND TO PROPER DEPTH AND REACHED PROPER MATERIAL (P).
3 PERFORM CLASSIFICATION AND TESTING OF COMPACTED MATERIAL (P)
4 VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED MATERIAL (C).
5 PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PROPERLY PREPARED (P)
6 VERIFY SOIL IMPROVEMENT HAS BEEN PERFORMED PROPERLY (P)

2 FOUNDATIONS

2.1 GENERAL
a THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY???????? AND DATED?????. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL GEOTECHNICAL REQUIREMENTS.
b SUMMARY OF GEOTECHNICAL DESIGN VALUES
SHALLOW STRIP AND SPREAD FOOTINGS
ALLOWABLE SOIL BEARING PRESSURE 3,000 PSF
DEPTH OF FOOTING BELOW FINISHED GRADE 42".
c CONTRACTOR SHALL LOCATE ALL EXISTING BELOW GRADE UTILITIES AND INTERFERENCES PRIOR TO START OF WORK. NOTIFY THE SER OF ANY INTERFERENCE.
d [NOT USED]
e CAREFULLY SAWCUT EXISTING CONCRETE FOR PLACEMENT OF NEW FOOTINGS.
f PROTECT ALL EXPOSED SURFACES IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
g MAINTAIN ALL EXCAVATIONS FREE OF WATER CONTINUOUSLY
h DRC SHALL BE RESPONSIBLE FOR ALL SHORING/BRACING OF EXCAVATIONS.
i ALL SHALLOW FOUNDATIONS SHALL BE LOCATED SHALL BEAR AT SUFFICIENT DEPTH TO PROVIDE ADEQUATE FROST COVERAGE PER LOCAL REQUIREMENTS.
j A GEOTECHNICAL TESTING SERVICE SHALL CONFIRM ALL SOIL BEARING CAPACITIES PRIOR TO PLACEMENT OF CONCRETE FOUNDATIONS.

2.2 SHORING AND UNDERPINNING FOUNDATIONS
a SHORING AND UNDERPINNING ARE DESIGNATED AS A DELEGATED DESIGN ITEMS AND SHALL BE DESIGNED BY THE DRC'S GEOTECHNICAL ENGINEER AND LICENSED PROFESSIONAL ENGINEER.
b ALL SHORING OF EXISTING FOUNDATIONS REQUIRED BY THE DRC DUE TO EXCAVATIONS NEAR EXISTING STRUCTURES AND UNDERPINNING OF EXISTING FOUNDATIONS AS INDICATED ON THE DESIGN DRAWINGS IS A DELEGATED DESIGN ITEM AND SHALL BE DESIGNED BY THE DRC'S GEOTECHNICAL AND LICENSED STRUCTURAL ENGINEERS.
c ANY UNDERPINNING PROCEDURES INDICATED ON THE DESIGN DRAWINGS ARE CONCEPTUAL ONLY AND SHALL BE CONFIRMED BY THE DRC'S GEOTECHNICAL AND STRUCTURAL ENGINEERS.
d SUBMIT SHORING AND UNDERPINNING PROCEDURES AND SEALED CALCULATIONS TO THE ARCHITECT FOR RECORD PURPOSES ONLY.

3 CONCRETE CONSTRUCTION

3.1 CAST IN PLACE CONCRETE
a GENERAL REQUIREMENTS
ALL WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-10, SPECIFICATION FOR STRUCTURAL CONCRETE, EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
SUBMITTALS
CONCRETE MIXES WITH HISTORICAL TEST DATA.
MATERIAL CERTIFICATES: CEMENT, AGGREGATES, ADMIXTURES, REINFORCING STEEL
REINFORCING STEEL PLACEMENT DRAWINGS
b PRODUCTS
REINFORCING BARS: ASTM A615 GRADE 60
REINFORCING BARS WELDABLE: ASTM A706 GRADE 60
PLAIN WIRE FABRIC: ASTM A185
PORTLAND CEMENT: ASTM C150 TYPE I OR II.
AGGREGATES: ASTM C33
WATER: POTABLE ASTM C94
ADMIXTURES
AIR ENTRAINING ASTM C260
CHEMICAL ADMIXTURES ASTM C 494
AIR CONTENT FOR CONCRETE EXPOSED TO WEATHER: 4 TO 7%.
SLUMP: 4"
CONCRETE STRENGTH: F'C 4,000 PSI AT 28 DAYS
MIXING PER ASTM C94
CURING COMPOUNDS: ASTM C309 OR C1315
c EXECUTION
CONCRETE COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
CONCRETE EXPOSED TO EARTH OR WEATHER 2"
CONCRETE NOT EXPOSED TO WEATHER 1-1/2"
ALL FOOTINGS, WALL FOOTINGS, GRADE BEAMS AND PILE/CAISSON CAPS SHALL BE FORMED UNLESS NOTED.
LAP SPLICE LENGTHS PER ACI 318 CHAPTERS 12 USING A CLASS B SPLICE. ALL WELDED WIRE FABRIC SHALL BE LAPPED ONE GRID MINIMUM
LOCATE JOINTS AS SHOWN ON PLANS; WHERE NOT SHOWN, CONTROL OR CONSTRUCTION JOINTS SHALL BE PLACED IN ACCORDANCE WITH ACI RECOMMENDATIONS I.E., A MAXIMUM PANEL SIZE (IN FEET) EQUAL TO APPROXIMATELY THREE TIMES THE THICKNESS OF THE SLAB (IN INCHES) IN BOTH DIRECTIONS.
HOOK ENDS OF BARS INTERRUPTED BY OPENINGS.
HOOK TOP BARS AT ALL CONCRETE EDGES, AT ALL WALL AND SLAB OPENINGS,
PROVIDE 2-#5 BARS X OPENING WIDTH PLUS 4 FEET (2 FEET EACH SIDE) EACH FACE, UNLESS SHOWN OTHERWISE.
PLACEMENT OF CONCRETE IN COLD WEATHER SHALL COMPLY WITH ACI306
PLACEMENT OF CONCRETE IN HOT WEATHER SHALL COMPLY WITH ACI305
TOLERANCES SHALL MEET ACI 117, ACI 301 AND ACI 318 AS A MINIMUM.

5 METALS

5.1 STRUCTURAL STEEL
a GENERAL
ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC 360-10 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" 2009, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," 2010 AND AWS D1.1 2010.
THE PROVISIONS OF THE ALLOWABLE STRENGTH DESIGN METHOD (ASD) WAS USED AS A BASIS FOR DESIGN. ALL FORCES/REACTIONS INDICATED ON THE DESIGN DOCUMENTS ARE THEREFORE NON-FACTORED ASD FORCES/REACTIONS.
THE CONTRACTOR'S STRUCTURAL STEEL DETAILER SHALL PREPARE STEEL ERECTION AND SHOP DRAWINGS IN ACCORDANCE WITH THE GUIDELINES AND GOOD PRACTICES NOTED IN THE AISC "DETAILING FOR STEEL CONSTRUCTION." THIRD EDITION
STEEL CONNECTIONS ARE DESIGNATED AS A DESIGN DELEGATED COMPONENT TO BE DESIGNED BY THE DRC'S SSE.
SUBMITTALS
CHECKED STEEL SHOP DRAWINGS: PREPARED IN ACCORDANCE WITH AISC DETAILING FOR STEEL CONSTRUCTION 3RD ED.
CONNECTION CALCULATIONS PREPARED, SIGNED AND SEALED BY DRC'S SSE.
MATERIAL CERTIFICATES (UPON REQUEST)
WELDING CERTIFICATES (UPON REQUEST)
b MATERIALS
ALL STRUCTURAL STEEL SHAPES SHALL BE ASTM A992 (Fy=50 ksi)
ALL STRUCTURAL STEEL PLATES AND ANGLES SHALL BE ASTM A36 (Fy=36 KSI).
ALL STRUCTURAL TUBES SHALL BE ASTM A500 GRADE B (Fy=46 KSI).
ALL STRUCTURAL PIPES SHALL BE ASTM A53 GRADE B (Fy=35 KSI).
ALL ANCHOR RODS ASTM F1554-36
ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY "STRUCTURAL WELDING CODE", AWS D1.1.
ALL WELD ELECTRODES SHALL BE E70XX AND ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS. ALL WELDING SHALL BE TO CLEAN BARE STEEL.
PROVIDE FULL SIZE 1/4" SETTING PLATES ON 4,000 PSI NON-SHRINK GROUT FOR ALL COLUMNS AND (4)-3/4" DIAMETER ASTM F-1554-36 ANCHOR BOLTS, UNLESS NOTED.
ERECT ALL MEMBERS WITH NATURAL CAMBER UP, EXCEPT FOR CERTAIN CANTILEVERED MEMBERS.
PROVIDE SUB-FRAMING FOR EQUIPMENT SUPPORTED ON OR SUSPENDED FROM THE STRUCTURE.
ALL STEEL SHALL BE SHOP COATED WITH FABRICATOR'S STANDARD PRIME PAINT MEETING MPI#79 AS A MINIMUM. MASK SURFACES TO BE FIELD WELDED AND AT BOLT HOLES IN FAYING SURFACES OF SLIP CRITICAL BOLTED CONNECTIONS.
CONNECTIONS
CONNECTIONS SHOWN ON THE DESIGN DRAWINGS ARE CONCEPTUAL ONLY.
CONNECTIONS ARE A DELEGATED DESIGN ITEM TO BE DESIGNED BY DRC'S SSE.
CONNECTIONS SHALL BE IN ACCORDANCE WITH AISC 360-10 USING ALLOWABLE STRENGTH (ASD) DESIGN BASIS. POSTED CONNECTION FORCES ARE ASD.
DESIGN SHEAR CONNECTIONS FOR THE LARGER OF POSTED FORCES ON THE DESIGN DRAWINGS AND 50% (75% FOR COMPOSITE BEAMS) OF THE MAXIMUM TOTAL LOAD FOR THE SPECIFIED BEAM AND SPAN IN AISC "STEEL CONSTRUCTION MANUAL" TABLE 3-6.
DESIGN MOMENT CONNECTIONS FOR FULL MOMENT CAPACITY OF THE MEMBER OR THE POSTED MOMENT ALONG WITH THE SHEAR LOADS NOTED ABOVE.
AXIALLY LOADED MEMBERS SHALL BE DESIGNED USING THE POSTED LOADS AND THE AISC UNIFORM FORCE METHOD.
ALL SHEAR CONNECTIONS SHALL BE AS A MINIMUM FULL DEPTH OF MEMBER.
ALL BOLTS SHALL BE ASTM A325 FULLY TENSIONED BEARING BOLTS WITH SHORT SLOTTED HOLES UNLESS NOTED. A325 SLIP CRITICAL BOLTS SHALL BE USED FOR ALL MOMENT CONNECTIONS AND AXIALLY LOADED MEMBERS.
ALL WELD SIZES SHOWN ARE SIZED FOR LOAD ONLY. WELDS SHALL BE INCREASED IN SIZE AS REQUIRED TO MEET AISC MINIMUMS.
ALL GROOVE WELDS SHOWN ARE FULL PENETRATION WELDS UNLESS NOTED OTHERWISE.
WELDS NOTED AS PARTIAL PENETRATION GROOVE WELDS SHOW "EFFECTIVE" SIZE OF WELD.
WELD JOINTS SHALL BE DETAILED BASED ON PROCESS USED AND POSITION OF WELD TO MEET THE "EFFECTIVE" SIZE SHOWN ON THE DRAWINGS.
c EXECUTION
VERIFY THAT FIELD CONDITIONS ARE ACCEPTABLE AND ARE READY TO RECEIVE WORK.
STEEL ERECTION TOLERANCES SHALL BE IN ACCORDANCE WITH THE CODE OF STANDARD PRACTICE.

5.2 STEEL BAR JOIST REINFORCEMENT
a STEEL BAR JOISTS SHALL BE REINFORCED AS INDICATED AND IN ACCORDANCE WITH THE STEEL INSTITUTES (SJI) CODE OF STANDARD PRACTICE AND SJI TECHNICAL DIGEST 12 "EVALUATION AND MODIFICATION OF STEEL BAR JOISTS AND JOIST GIRDERS."
b ALL INDICATED TOP AND BOTTOM CHORD REINFORCING SHALL BE CONTINUOUS FOR THE LENGTH INDICATED. ANY REQUIRED SPLICES OF REINFORCING SHALL BE COMPLETE PENETRATION WELDED.
c JOISTS SHALL BE REINFORCED WHERE CONCENTRATED LOADS ARE PLACED BETWEEN PANEL POINTS IN ACCORDANCE WITH THE JOIST MANUFACTURER'S RECOMMENDATIONS. SHORE JOISTS AS REQUIRED FOR PLACEMENT OF REINFORCING.

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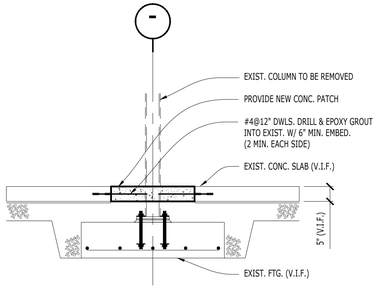
STRUCTURAL GENERAL NOTES

S0.1

FOOTING MARK	FOOTING SIZE (WxLxD)	REINFORCING EACH WAY BOTTOM, U.N.	REMARKS
F3.0	3'-0"x3'-0"x1'-0"	3-#5	
F5.0	5'-0"x5'-0"x1'-0"	5-#6	
F4.0-6.0	4'-0"x6'-0"x2'-9"	6-#5 S.W., TOP & BOTT. 4-#5 L.W., TOP & BOTT.	FIELD VERIFY BOTTOM OF FOOTING TO MATCH EXISTING FOOTING

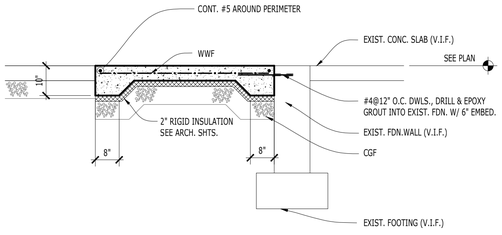
FOOTING SCHEDULE

SCALE: NONE 4



SECTION

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

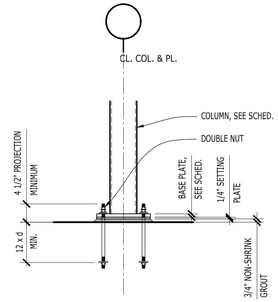


ALTERNATE No. 6

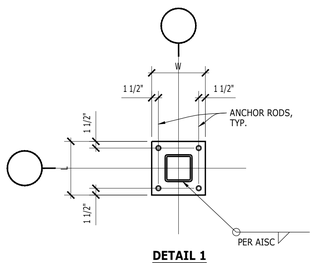
SECTION

SCALE: 1/2" = 1'-0" 5

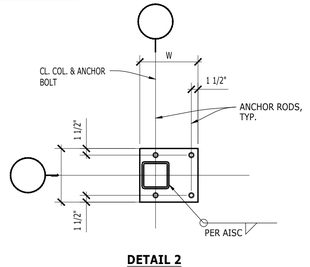
COLUMN MARK	C1	C2	
CAP PLATE	1/2"	3/4"	
ROOF LEVEL			
EL. 0'-0"	HSS6x6x3/8	HSS6x6x3/8	
B/BASE PLATE	11"	11"	
BASE PLATE (t x W x L)	PL. 3/4"x12"x12"	PL. 3/4"x12"x12"	
ANCHOR RODS	(4)-3/4"Ø F1554-36	(4)-3/4"Ø F1554-36	
BASE PLATE DETAIL	1	2	



TYPICAL COLUMN BASE PLATE SECTION



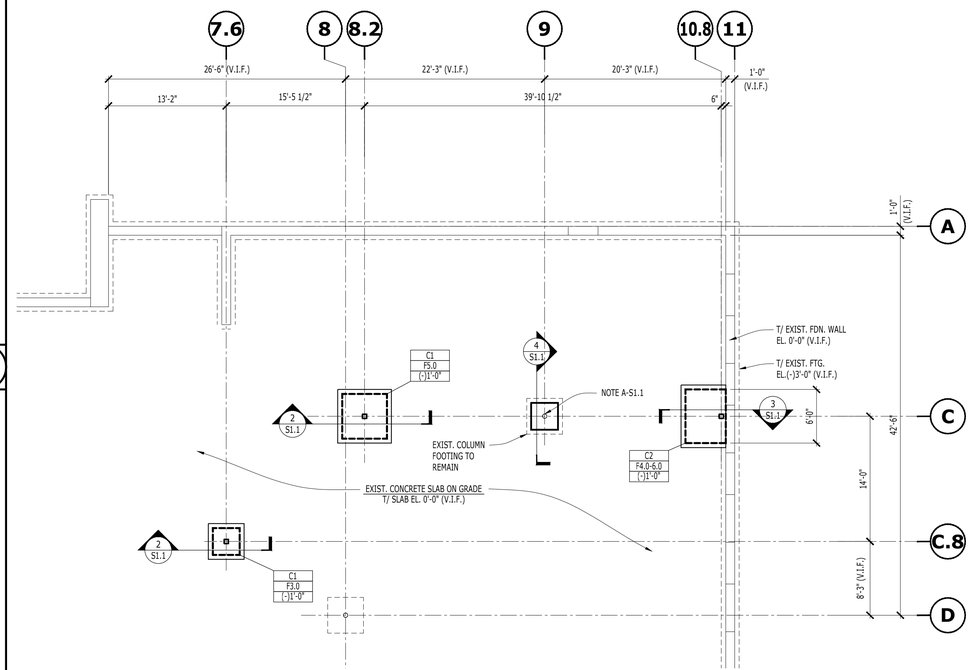
DETAIL 1



DETAIL 2

SECTION

SCALE: NONE 6



DRAWING S1.1 GENERAL NOTES:

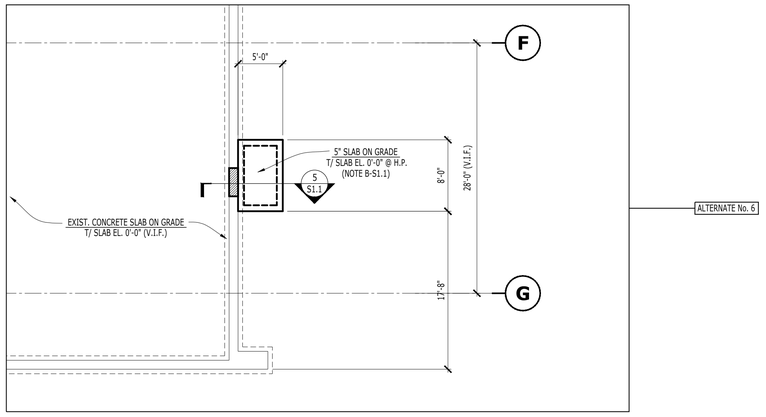
CONTRACTOR NOTE:

CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BID TO ENSURE ALL CONFLICTS FOR INSTALLATION OF NEW WORK HAS BEEN IDENTIFIED AND ANY WORK REQUIRED TO MODIFY EXISTING IS INCLUDED IN BID PRICE.

C? - INDICATES COLUMN MARK; SEE x / Sx.x
F? - INDICATES FOOTING MARK / PIER MARK; SEE x / Sx.x
(-)x'-x" - INDICATES TOP OF FOOTING ELEVATION BELOW FINISH GRADE, SEE CIVIL SHEETS FOR GRADING PLAN.

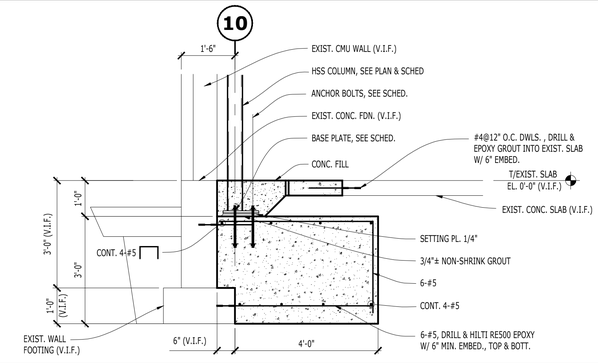
DRAWING S1.1 KEYNOTES:

A-S1.1: CAREFULLY REMOVE PORTION OF EXISTING COLUMN AS REQUIRED. CONTRACTOR TO CAREFULLY SHORE EXISTING STRUCTURE AS NECESSARY. PATCH FLOOR AFTER SHORING IS REMOVED PER 4/S1.1.



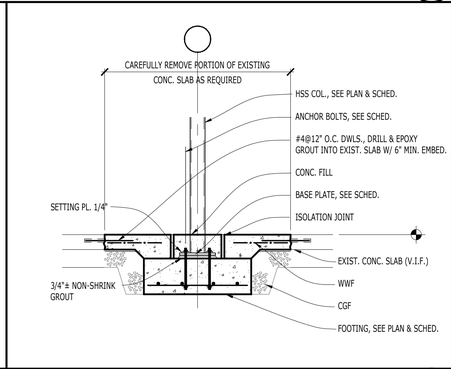
PARTIAL FOUNDATION PLAN

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



SECTION

SCALE: 1/2" = 1'-0" 3



SECTION

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

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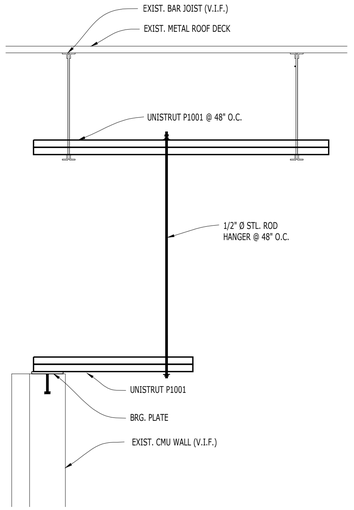
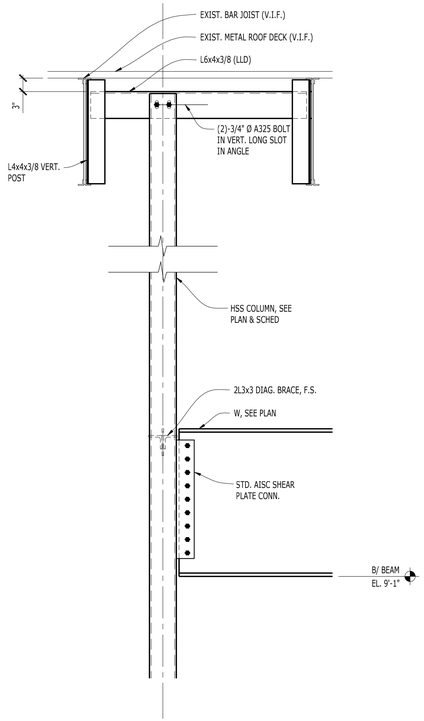
PARTIAL FOUNDATION PLAN

S1.1



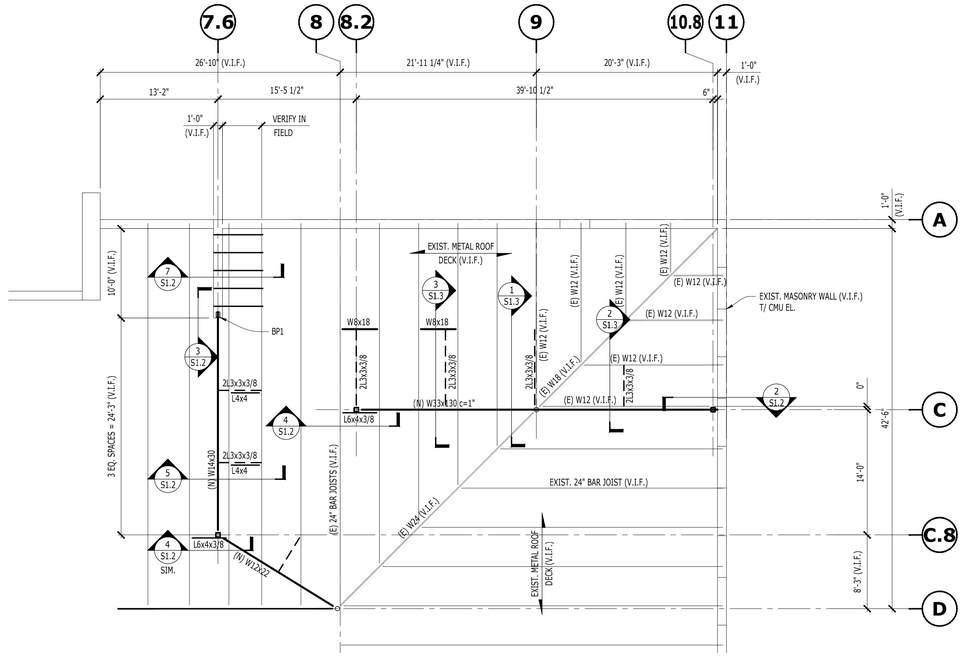
SECTION

SCALE: 3/4" = 1'-0" 7



SECTION

SCALE: 3/4" = 1'-0" 4

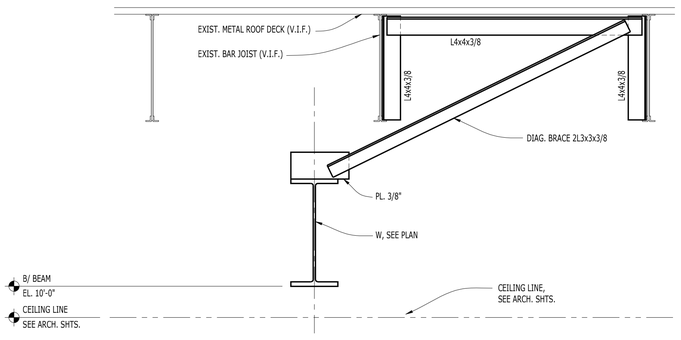


BEARING PLATE SCHEDULE:

BP1 - PL.3/4"x7"x7" W/ (2)-1/2"Ø x 6" HEADED STUD ANCHORS IN GROUTED CELLS

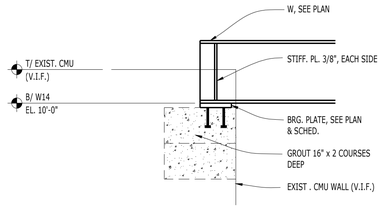
PARTIAL ROOF FRAMING PLAN

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



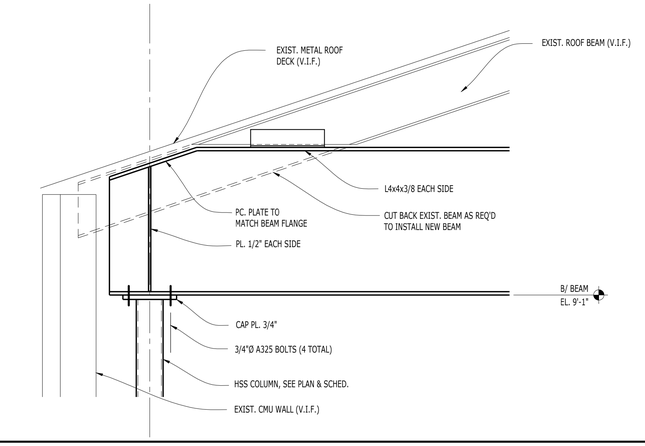
SECTION

SCALE: 3/4" = 1'-0" 5



SECTION

SCALE: 3/4" = 1'-0" 3



SECTION

SCALE: 3/4" = 1'-0" 2

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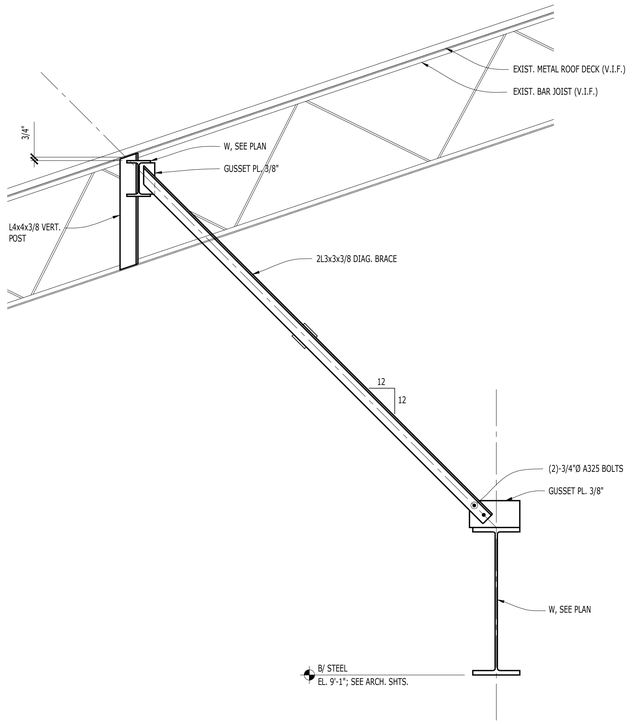
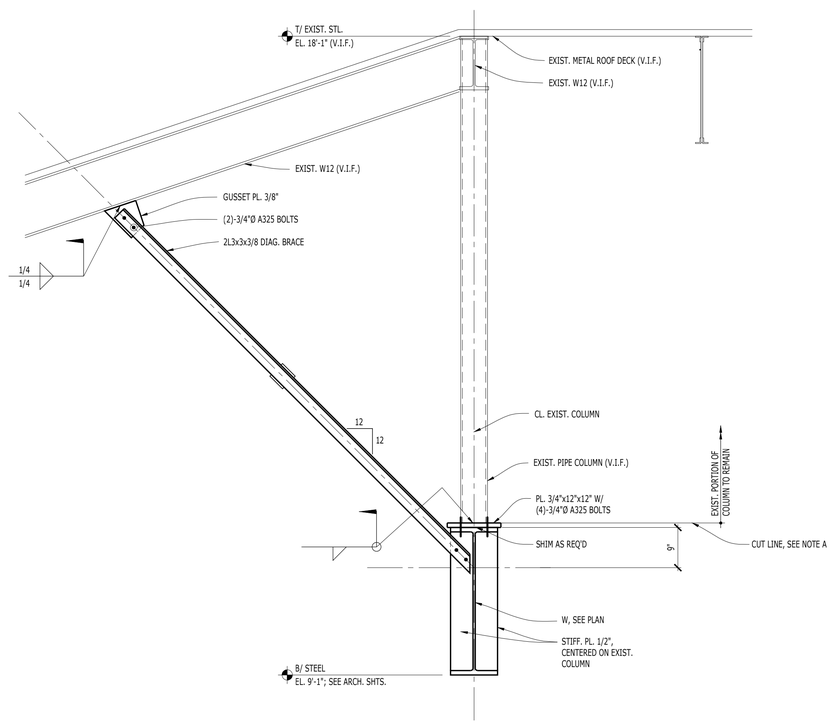
PARTIAL ROOF FRAMING PLAN

S1.2



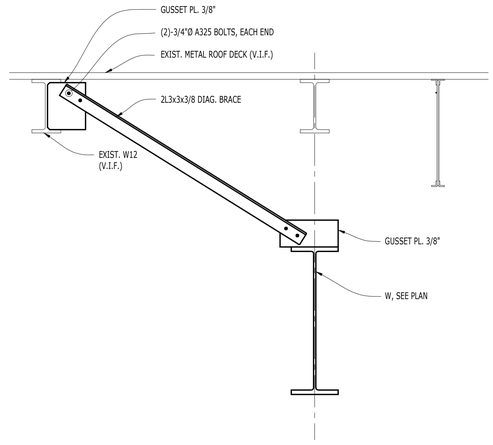
SECTION

SCALE: 3/4" = 1'-0" 3



SECTION

SCALE: 3/4" = 1'-0" 1



SECTION

SCALE: 3/4" = 1'-0" 2

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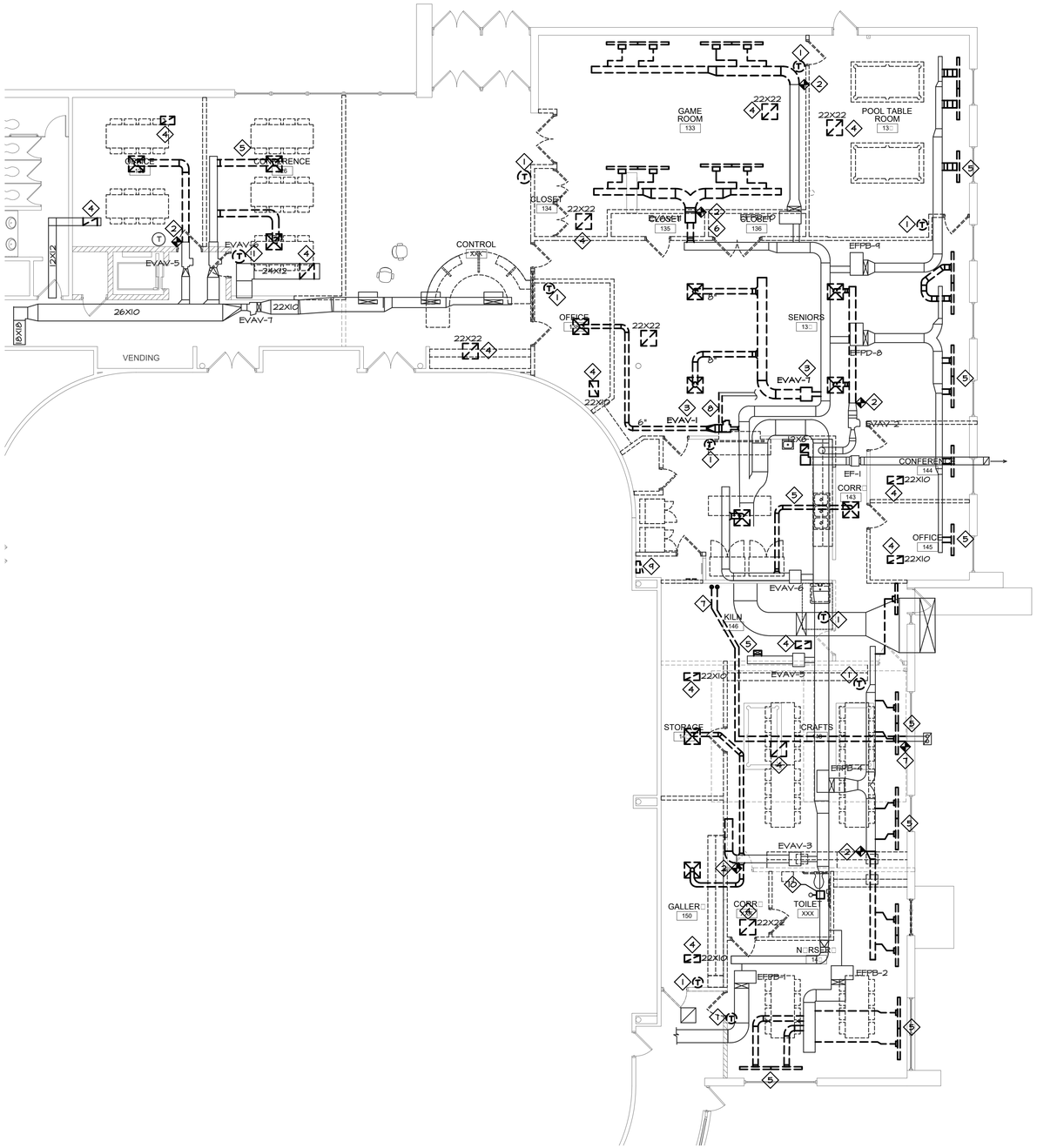
PARTIAL ROOF FRAMING PLAN

S1.3



DEMOLITION KEYED NOTES

1. REMOVE EXISTING THERMOSTAT AND SAVE FOR RELOCATION. SEE NEW WORK PLAN.
2. REMOVE SECTION OF EXISTING DUCTWORK AND ASSOCIATED AIR DEVICES. SEE NEW WORK PLAN FOR RE-CONNECTION TO NEW DUCTWORK.
3. REMOVE EXISTING VAV BOX AND ALL ASSOCIATED DUCTWORK, DIFFUSERS, SUPPORTS AND CONTROLS. CAP DUCT TAKE-OFF AT MAIN.
4. REMOVE EXISTING RETURN AIR GRILLE FROM CEILING.
5. REMOVE EXISTING AIR DEVICE AND ASSOCIATED BRANCH DUCT. TYPICAL.
6. SAVE EXISTING VAV BOX FOR RELOCATION. SEE NEW WORK PLAN.
7. REMOVE KILN VENTING TO LOCATION SHOWN. CAP AT EXTERIOR WALL PENETRATION.
8. REMOVE HOT WATER PIPING AT VAV BOX INCLUDING VALVES, GAGES, STRAINERS, ETC. AND SAVE FOR RECONNECTION TO NEW VAV BOX. SEE NEW WORK PLAN
9. RELOCATE EXISTING TEMPERATURE CONTROL PANEL. SEE NEW WORK PLAN FOR NEW LOCATION. EXTEND WIRING AND CONDUIT AS REQUIRED.
10. REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCT CONNECTION. LEAVE EXHAUST DUCT FOR RECONNECTION TO NEW EXH. FAN. SEE NEW WORK PLAN.

MECHANICAL DEMOLITION PLAN

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

8

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MECHANICAL DEMOLITION PLAN

MD1.1

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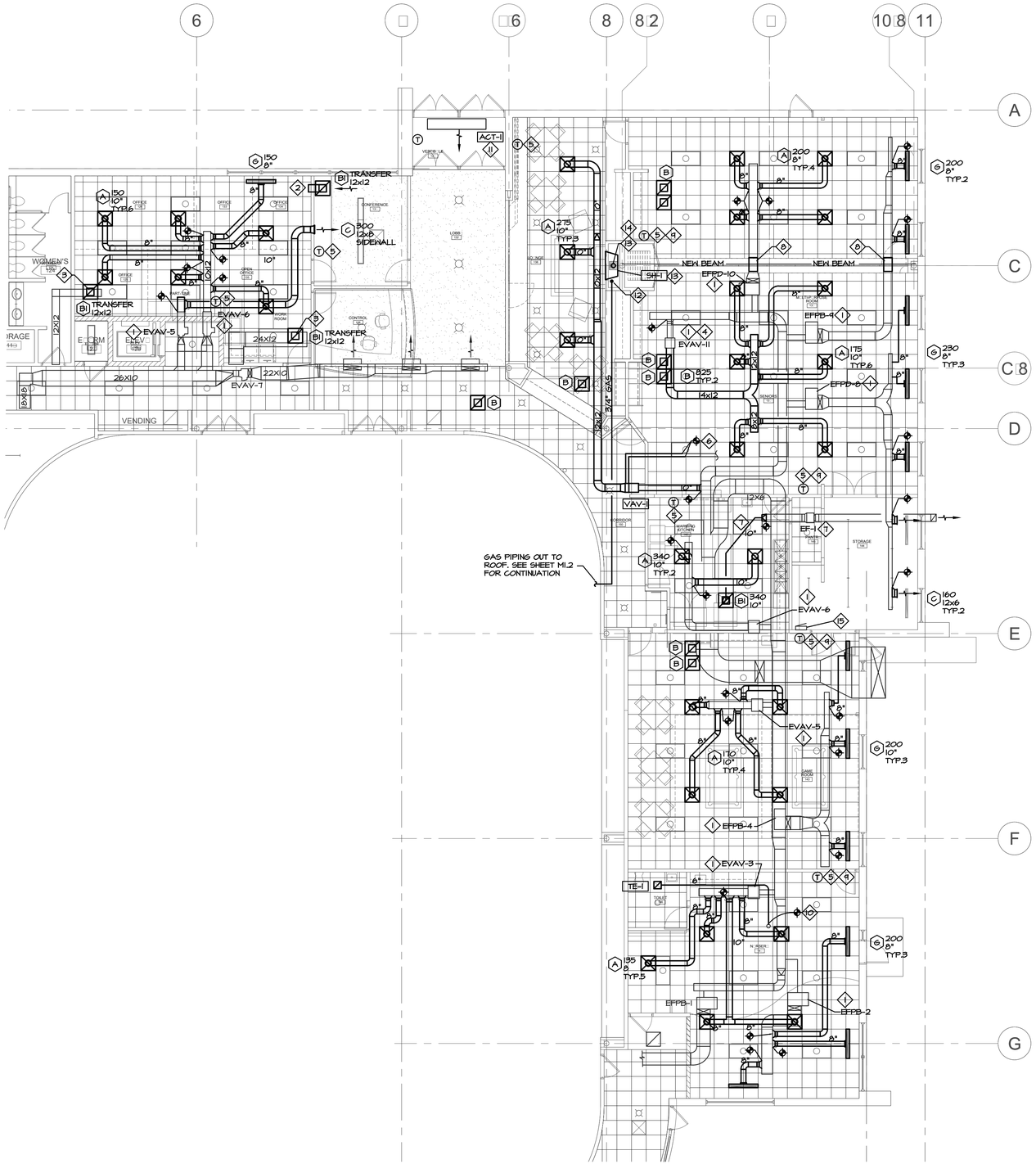

NEW WORK KEYED NOTES

1. ADJUST EXISTING VAV BOX TO PROVIDE THE AIRFLOWS SHOWN AS THE MAXIMUM COOLING AIRFLOW. ADJUST THE HEATING AIRFLOW SETPOINT TO 80% OF THE MAX. COOLING AIRFLOW. ADJUST THE MINIMUM COOLING AIRFLOW SETPOINT TO 30% OF THE MAX. COOLING AIRFLOW. ADJUST VAV DAMPER AND PROVIDE ADDITIONAL BAS PROGRAMMING AND WIRING AS REQUIRED FOR PROPER OPERATION. VERIFY PROPER OPERATION OF VAV BOX. NOTIFY ENGINEER OF ANY MAJOR DEFICIENCIES.
2. PROVIDE A 12x12 TRANSFER DUCT FROM CEILING GRILLE THRU WALL ABOVE CEILING.
3. PROVIDE 12x12 DUCT FROM NEW CEILING GRILLE TO EXISTING TRANSFER DUCT
4. RELOCATED VAV BOX. RECONNECT TO EXISTING MAIN.
5. RELOCATED THERMOSTAT. PROVIDE NEW CONTROL AIR LINES FROM THERMOSTAT TO ASSOCIATED VAV BOX. VERIFY PROPER OPERATION. NOTIFY OWNER OF ANY MAJOR DEFICIENCIES.
6. PROVIDE NEW ¾" HOT WATER PIPING TO NEW VAV BOX. REUSE EXISTING VALVE TRAIN WITH CONTROL VALVE FROM REMOVED BOX.
7. PROVIDE WALL SWITCH TO CONTROL EXISTING EXHAUST FAN. EXTEND INTAKE DUCTWORK TO NEW CEILING GRILLE. VERIFY PROPER OPERATION OF FAN. NOTIFY OWNER OF MAJOR DEFICIENCIES.
8. OFFSET EXISTING DUCTWORK AS REQUIRED TO CLEAR NEW SUPPORT BEAM ALONG COLUMN LINE C. VERIFY EXTENT OF OFFSET IN FIELD. COORDINATE WITH STRUCTURAL CONTRACTOR.
9. RELOCATED THERMOSTAT SHALL CONTROL TWO (2) VAV BOXES IN SAME ZONE. PROVIDE CONTROL AIR TUBING FROM THERMOSTAT TO BOTH BOXES.
10. ROUTE NEW EXHAUST DUCT FROM FAN TO EXISTING DUCT. VERIFY EXACT SIZE AND LOCATION OF EXISTING DUCT IN FIELD. PROVIDE TRANSITION AS REQUIRED.
11. MECHANICAL CONTRACTOR SHALL CONNECT AIR CURTAIN TO DOOR CONTACTORS. DOOR CONTACTORS PROVIDED AND INSTALLED BY M.C. PROVIDE CONTROL WIRING FROM AIR CURTAIN TO EXISTING BAS TO ALLOW CONTROL BASED ON OUTSIDE AIR TEMPERATURE.
12. PROVIDE GAS PIPING TO NEW SPACE HEATER WITH REGULATOR, GAS COCK AND FLEXIBLE CONNECTOR. VERIFY EXACT LOCATION OF HEATER CONNECTION IN THE FIELD. INSTALL PER MFR. RECOMMENDATIONS. ROUTE CONCEALED IN WALL.
13. PROVIDE NEW SPACE HEATER. SEE SCHEDULE ON SHEET M2.0. PROVIDE VENTING FROM NEW SPACE HEATER. AND ROUTE UP THRU ROOF. VENTING SHALL BE DOUBLE WALL "4"/1" AS MFR. BY THE FOLLOWING: WOLF STEEL "DURAVENT" ; AMERICAN METAL "AMERIVENT ; SELKIRK "DIRECT TEMP" ; METAL-FAB "SUPERSEAL". INSTALL PER MFR. RECOMMENDATIONS.
14. INSTALL BLOWER FOR NEW SPACE HEATER VENTING. BLOWER SHALL BE SUPPLIED BY THE HEATER MFR. INSTALL PER MFR. RECOMMENDATIONS.
15. RELOCATE EXISTING TEMPERATURE CONTROL PANEL TO HERE. EXTEND ASSOCIATED WIRING AND CONDUIT TO NEW LOCATION AS REQUIRED. VERIFY PROPER OPERATION OF ALL ASSOCIATED DEVICES AFTER RELOCATION. VERIFY EXACT LOCATION OF PANEL WITH THE ARCHITECT.

TEMPERATURE CONTROL ALTERNATES

PROVIDE AN ALTERNATE PRICE FOR A TEMPERATURE CONTROLS CONTRACTOR TO COMMISSION THE EXISTING CONTROLS SYSTEM THAT IS OUTSIDE THE SCOPE OF THIS RE-MODELING PROJECT.

COMMISSIONING SHALL INCLUDE THE FOLLOWING WORK:

- VERIFY ALL DAMPERS AND ASSOCIATED MOTORS ARE OPERATING PROPERLY (I.E. OUTSIDE AIR INTAKES, VAV BOXES, RETURN AIR DAMPERS, ETC.). VERIFY AND LIST THE CURRENT SETPOINTS OF DAMPERS (I.E. MIN. OUTDOOR AIR INTAKE, ECONOMIZER SETTINGS, NIGHT SETBACK SETTINGS, ETC.). PROVIDE A UNIT PRICE TO REPLACE ANY MALFUNCTIONING DAMPERS/MOTORS
- VERIFY ALL SENSORS ARE OPERATING PROPERLY (I.E. OUTDOOR AIR TEMPERATURE, SPACE TEMPERATURE, DUCT STATIC PRESSURE, CO2, ETC.). PROVIDE A UNIT PRICE TO REPLACE ANY MALFUNCTIONING SENSORS
- VERIFY ALL HOT WATER CONTROL VALVES ARE OPERATING PROPERLY (I.E. AHU COILS, VAV BOXES, UNIT HEATERS, CABINET HEATERS ETC.). PROVIDE A UNIT PRICE TO REPLACE ANY MALFUNCTIONING VALVES.
- VERIFY ALL THERMOSTATS ARE OPERATING PROPERLY. PROVIDE A UNIT PRICE TO REPLACE ANY MALFUNCTIONING THERMOSTATS.
- VERIFY ALL VARIABLE FREQUENCY DRIVES ARE OPERATING PROPERLY (I.E. AHU SUPPLY AND RETURN FANS, EXHAUST FANS, ETC.). PROVIDE A UNIT PRICE TO REPLACE ANY MALFUNCTIONING VFDS.
- VERIFY ALL PACKAGED ROOFTOP UNITS ARE TIED INTO THE TEMPERATURE CONTROL SYSTEM (TCS) AND ARE OPERATING PROPERLY. PROVIDE A UNIT PRICE TO REPLACE TO CONNECT ROOFTOP UNITS TO TCS.
- VERIFY THE EXISTING SETBACK PROGRAMMING FOR EXISTING AHUS AND RTUS AND LIST THE CURRENT SETPOINTS OF EACH. PROVIDE A UNIT PRICE FOR SCHEDULING OF ANY UN-SCHEDULED UNITS.
- PROVIDE A SEPARATE COST TO PROVIDE "TRANE ACTIVE MONITORING" OF THE EXISTING TCS. CONTACT TRANE SERVICES AT THE FOLLOWING LINK. HTTP://WWW.TRANE.COM/COMMERCIAL/NORTH-AMERICA/US/EN/CONTACT-US/TRANE-BUILDING-ADVANTAGE-FORM.HTML

PROVIDE AN ALTERNATE PRICE FOR INTEGRATING THE EXISTING HOT WATER BOILER CONTROLS INTO THE EXISTING TEMPERATURE CONTROL SYSTEM. THE EXISTING BOILER IS A LOCHINVAR MODEL CBN1746. THE TCS SHOULD ALLOW START-STOP SCHEDULING OF BOILER, SUPPLY TEMPERATURE SETPOINT POINT ADJUSTMENT AND OUTDOOR AIR RESET SCHEDULING, ALARM MONITORING AND STATUS.

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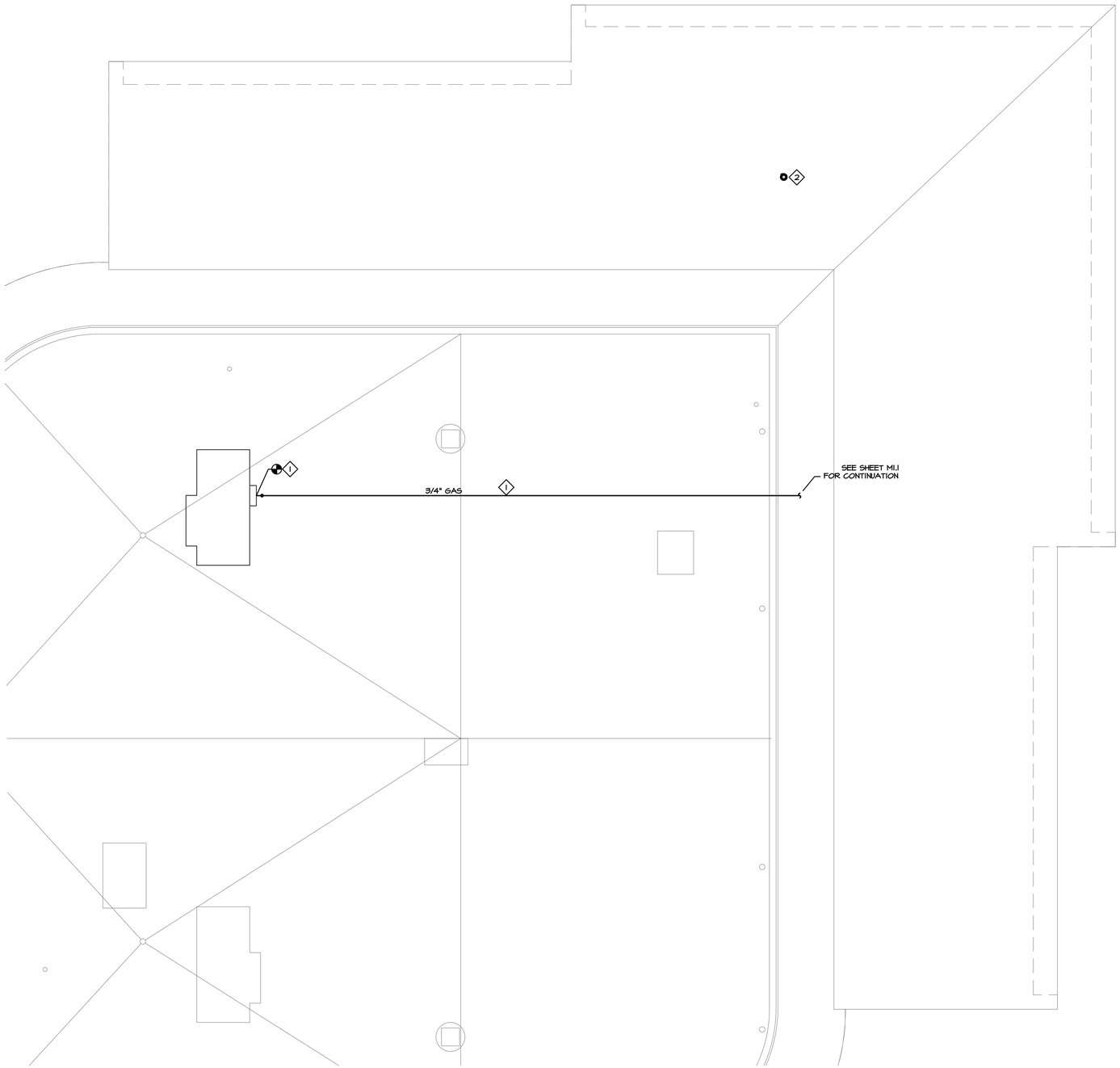
MECHANICAL PLAN

M1.1

MECHANICAL PLAN

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

8



NEW WORK KEYED NOTES

1. PROVIDE NEW GAS PIPING FROM EXISTING GAS PIPING AT ROOFTOP UNIT. PROVIDE NEW TEE AND GAS COCK. ROUTE ACROSS ROOF AND THRU PARAPET WALL INTO CEILING SPACE BELOW. SEAL WALL PENETRATION WEATHER TIGHT. VERIFY EXACT LOCATION OF EXISTING GAS PIPING IN FIELD. PROVIDE GAS PIPING SUPPORTS EQUAL TO "DURA-BLOK" BY COOPER INDUSTRIES. MAX SPACING PER INTERNATIONAL FUEL GAS CODE.
2. PROVIDE GAS VENT TERMINATION FOR SPACE HEATER PER MFR. RECOMMENDATIONS. MECHANICAL CONTRACTOR TO PROPERLY FLASH VENT IN EXISTING STANDING SEAM METAL ROOF. FOLLOW SMACNA GUIDELINES.

MECHANICAL ROOF PLAN

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

8

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MECHANICAL ROOF PLAN

M1.2

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HOT-WATER VAV TERMINAL BOX SCHEDULE

TAG	MANUFACTURER & MODEL NUMBER	DESIGN CFM	MINIMUM COOLING CFM	MINIMUM HEATING CFM	INLET SIZE	AVE. E.A.T.	AVE. L.A.T.	COIL ROWS	GPM	PRESS. LOSS	HTG. MBH	WEIGHT LBS.	REMARKS
VAV-1	TITUS #FESV	825	250	660	10"	55°F.	95°F.	2	1.8	3.121'	21.9	45	ALL

REMARKS:
1. PROVIDE FLANGED OUTLET CONNECTIONS
2. PROVIDE PNEUMATIC CONTROLLER AND BOTTOM HW INLET ON COIL.
3. REFER TO PLANS FOR LEFT OR RIGHT SIDE ACCESS.
4. SEE DETAILS FOR DUCT AND PIPING CONNECTIONS.

AIR DEVICE SCHEDULE

ITEM TAG	MANUFACTURER AND MODEL NUMBER	TYPE	DESCRIPTION	REMARKS
A	"TITUS" #OMNI	24"x24" LAYIN DIFFUSER	PLAQUE FACE SUPPLY CEILING DIFFUSER	1, 2, 3
B	"TITUS" #FXP	24"x24" LAYIN RETURN PANEL	PERFORATED RETURN CEILING DIFFUSER FOR NON-DUCTED RETURN	3
B1	"TITUS" #FAR	24"x24" LAYIN RETURN	PERFORATED RETURN CEILING DIFFUSER FOR DUCTED RETURN	1, 2, 3
C	"TITUS" #300RS	SUPPLY REGISTER	DOUBLE DEFLECTION ADJUSTABLE BLADE, STEEL	1, 2, 3
G	"TITUS" #TBD1-30	PLENUM SLOT DIFFUSER	MODULINEAR PATTERN CONTROL, T-BAR WITH INSULATED HOUSING, 48" LONG, (2)-1" SLOTS	1, 2, 3

1. PROVIDE OPPOSED BLADE DAMPERS.
2. PROVIDE ADAPTER BOOTS AND INSULATED PLENUM BOXES AS REQUIRED.
3. PROVIDE MATTE WHITE FINISH IN LAY-IN AND DRYWALL AREAS. COORDINATE FINISH WITH ARCHITECT.

EXHAUST FAN SCHEDULE

ITEM TAG	MANUFACTURER AND MODEL NUMBER	CFM	ESP	ELECTRICAL DATA			AREA SERVING	UNIT WEIGHT (LBS)	REMARKS
				VOLT-PH-HZ	HP OR NOTED	RPM			
TE-1	"GREENHECK" #SP-A90	80	0.25"	120-1-60	0.34 AMPS	900	TOILET	15	ALL

REMARKS:
1. VERIFY EXACT VOLTAGE PRIOR TO ORDERING EQUIPMENT.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH AND LINE WIRING.
3. PROVIDE BACKDRAFT DAMPER.
4. ELECTRICAL CONTRACTOR SHALL INTERLOCK WITH LIGHT SWITCH.

AIR CURTAIN SCHEDULE

ITEM TAG	MANUFACTURER AND MODEL NUMBER	LENGTH	MAX FPM	MAX CFM	ELECTRICAL DATA		UNIT WEIGHT (LBS)	REMARKS
					VOLT-PH-HZ	AMPS		
ACT-1	"MARS AIR SYSTEMS" #STD246-2EEN-OB	96	4250	2885	208-3-60	72	135	ALL

REMARKS:
1. PROVIDE DOOR ACTIVATED MICRO SWITCH FOR AUTOMATIC ON/OFF CONTROL.
2. MOUNT TO WALL WITH WALL MOUNTING OPTION
3. INSTALL PER MFR. RECOMMENDATIONS.
4. MECHANICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED HANGERS AND SUPPORTS.
5. PROVIDE WITH 24 KW ELECTRIC HEAT, TEMP. RISE = 26 DEG. F.
6. PROVIDE WITH 2 SPEED CONTROL, TIME DELAY, HI-LO HEAT, WALL MOUNTED THERMOSTAT (24V)
7. PROVIDE WITH MOTOR STARTER.
8. PROVIDE WITH BMS CONTROL ONLY RELAY CONTACT FOR CONNECTION TO BAS.

GAS FIRED SPACE HEATER SCHEDULE

ITEM TAG	MANUFACTURER AND MODEL NUMBER	HEATING CAPACITY MBH		VENT SIZE	ELECTRICAL DATA			UNIT WEIGHT (LBS)	REMARKS
		INPUT	OUTPUT		VOLT-PH-HZ	AMPS	MOCP		
SH-1	"NAPOLEON" #HD46NT-1	30	24	4"Φ	115-1-60	1.9	15	55	ALL

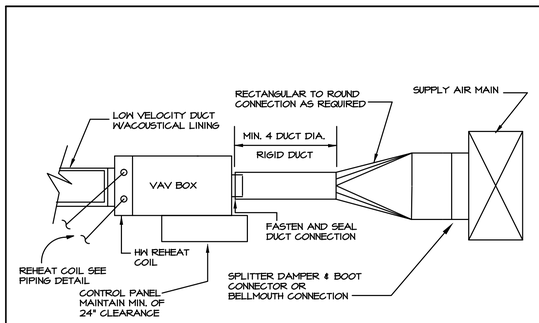
1. PROVIDE WITH NATURAL GAS VALVE TRAIN.
2. PROVIDE WITH VARIABLE SPEED SWITCH AND THERMAL DISC.
3. PROVIDE WITH BLOWER AND BLOWER GASKET
4. PROVIDE ROCK MEDIA TRAY
5. PROVIDE PORCELAIN SIDE AND REAR PANELS
6. PROVIDE SAFETY BARRIER ASSEMBLY & SCREEN
7. PROVIDE SAFETY GLASS
8. PROVIDE GAS PIPING TO HEATER WITH GAS COCK, UNION, DIRT LEG AND FLEXIBLE CONNECTION. INSTALL HEATER AND ASSOCIATED VENT AND GAS PIPING PER MFR. RECOMMENDATIONS.

MECHANICAL GENERAL NOTES

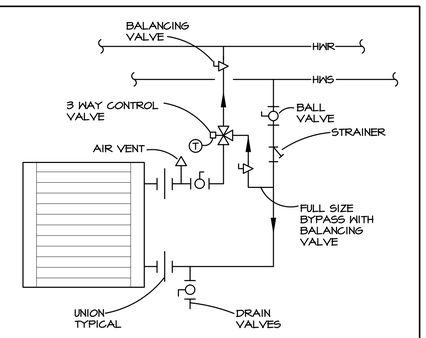
1. ALL ROOFTOP EQUIPMENT LOCATIONS SHALL BE COORDINATED WITH ROOF DRAINS. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT LOCATIONS OF EQUIPMENT.
2. THE INSTALLING CONTRACTOR SHALL PROVIDE ROOF CURBS AND LEVELING CURBS TO MATCH THE ROOF PITCH IF REQUIRED. THE ROOFING CONTRACTOR SHALL FLASH ALL CURBS INTO ROOF.
3. ALL STRUCTURAL DUCT OPENINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CUTTING. INDICATE ON 1/4" SHOP DRAWINGS EXACT LOCATION OF OPENINGS COORDINATED WITH STRUCTURAL TRADES. PROVIDE DUCT ROOF CURBS AT ALL DUCT PENETRATIONS THRU ROOF.
4. ALL VENTS AND EXHAUSTS SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKES PER LOCAL CODES. PLUMBING VENTS SHALL BE A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE. EXTEND TERMINATION HEIGHT TO PROVIDE A 10'-0" CROSS SECTION CLEARANCE FROM PLUMBING VENTS WHERE NEEDED.
5. ALL ROOFTOP EQUIPMENT SHALL BE SET ON EQUIPMENT CURBS OR RAILS. ALL PIPE AND DUCT PENETRATIONS THROUGH THE ROOF SHALL HAVE A WEATHERPROOF CURB OR FLASHING. ALL ROOF FLASHING SHALL BE PERFORMED BY THE ROOFING CONTRACTOR.
6. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL FIRE DAMPERS IN DUCTWORK AND FIRESTOP ALL PIPE PENETRATIONS THRU RATED FLOORS, CEILINGS AND WALLS. VERIFY LOCATIONS OF ALL RATED ASSEMBLIES WITH ARCHITECTURAL PLANS. FIRE DAMPERS SHALL BE IN ACCORDANCE WITH UL 555. MECHANICAL PLANS MAY NOT SHOW LOCATIONS OF ALL REQUIRED FIRE DAMPERS.
7. SEAL ALL PENETRATIONS THRU EXTERIOR WALLS WATER AND WEATHER TIGHT. ALL ROOF FLASHING SHALL BE BY THE ROOFING CONTRACTOR.
8. UNLESS SHOWN OTHERWISE ON PLANS, ALL BRANCH TAKE-OFFS TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK CONNECTION.
9. PROVIDE MANUAL VOLUME DAMPERS AT ALL BRANCH TAKE-OFFS TO AIR DEVICES.
10. ALL DOOR UNDERCUTS (DESIGNATED AS "UC") SHALL BE MINIMUM 3/4".
11. UNLESS SHOWN OTHERWISE ON PLANS, PROVIDE SPIRAL DUCTWORK IN ALL EXPOSED CEILING AREAS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING ALL EXISTING FIELD CONDITIONS PRIOR TO SUBMISSION OF HIS BID. THE CONTRACT DOCUMENTS INDICATE APPROXIMATE LOCATION OF EXISTING DUCTWORK AND PIPING AND ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATION AND ROUTING OF THE EXISTING DUCTS AND PIPING.
13. CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF ALL OTHER TRADES AND MAKING ANY NECESSARY MODIFICATIONS TO HIS WORK AT NO ADDITIONAL COST, INCLUDING ALL OFFSETS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OF ANY EXISTING MINOR INTERFERENCES, INCLUDING CONDUIT, HANGERS, SPRINKLER PIPING AND SPRINKLER HEADS AT NO ADDITIONAL COST.
15. CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK, INCLUDING MOVING AND RIGGING OF MATERIAL AND EQUIPMENT, ALL HANGER, SUPPORTS, ANCHORS, EXPANSION MEANS, FITTINGS AND SLEEVES.
16. HVAC CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING OF BUILDING MATERIALS AS REQUIRED FOR INSTALLATION OF HIS WORK AND PROVIDE ALL HOLES AND SLEEVES FOR INSTALLATION OF MECHANICAL WORK.
17. ALL NEW GAS PIPING EXPOSED TO THE OUTDOORS SHALL BE CLEANED AND PAINTED WITH BLACK EPOXY PAINT FOR CORROSION PROTECTION PER IFGC.
18. INSTALL NEW GAS PIPING ON CHAIR ON ROOF.

MECHANICAL LEGEND

———	NEW DUCTWORK AND AIR DEVICES TO MATCH EXISTING.
———	EXISTING DUCTWORK AND AIR DEVICES TO REMAIN. CLEAN AND RECONDITION AS REQUIRED.
———	EXISTING DUCTWORK AND AIR DEVICES TO BE REMOVED.
T	THERMOSTAT
S	SENSOR (REMOTE TEMPERATURE SENSOR UNLESS OTHERWISE NOTED)
	TAKEOFF WITH MANUAL VOLUME DAMPER
	LOCKABLE MANUAL VOLUME DAMPER (MVD)
FD	FIRE DAMPER
A.F.F.	ABOVE FINISHED FLOOR
B.F.C.	BELOW FINISHED CEILING
M.V.D.	LOCKABLE MANUAL VOLUME DAMPER
W.C.	INCHES OF WATER COLUMN
U.C.	UNDER CUT DOOR, ¾"
U.T.R.	UP THROUGH ROOF
	NEW TO EXISTING CONNECTION
	DEMO BREAK POINT. DEMO BACK TO THIS POINT
RT-1	EQUIPMENT TAG
A (CFM) (SIZE)	NEW AIR DEVICE TAG

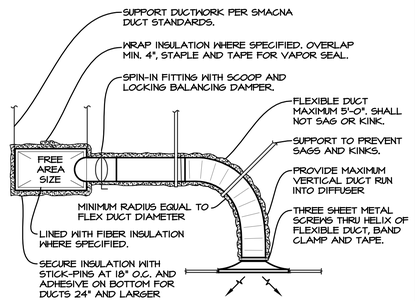


DETAIL - VAV BOX CONNECTION
SCALE: NONE



REUSE EXISTING PIPE FIXTURES AND VALVES WHERE POSSIBLE. PROVIDE NEW AS REQUIRED. SEE PLAN NOTES.

DETAIL - VAV REHEAT COIL
SCALE: NONE



DETAIL - DUCTWORK TAKE-OFF
SCALE: NONE

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MECHANICAL SCHEDULES AND DETAILS

M2.0

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05/31/2017

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VENTILATION SCHEDULE

ROOM TAG	ROOM NAME	OCC□PANC□ CLASSIFICATION	FLOOR AREA □FT2□	CEILING HEIGHT □FT□	N□MBER OF PEOPLE/□NITS	IMC 200□TABLE							IMC 2012 RE□□IREMENTS					ACT□AL					REMARKS	E□□IPMENT			
						OCC□PANT DENSIT□ □/1000 FT2□	OCC□PANT O□TDOOR AIRFLOW RATE □CFM/PERSON□	OCC□PANT O□TDOOR AIRFLOW RATE □ACH□	AREA O□TDOOR AIRFLOW RATE □CFM/FT2□	EXHA□ST AIRFLOW RATE □CFM/PERSON□	EXHA□ST AIRFLOW RATE □CFM/FT2□	EXHA□ST AIRFLOW RATE □CFM□	TOTAL OCC□PANTS	TOTAL OCC□PANT OA CFM	TOTAL AREA OA CFM	TOTAL OA CFM	TOTAL EA CFM	S□PPL□ CFM	OA CFM	RET□RN CFM	DIRECT EXHA□ST CFM	PRESS□RI□ATION		S□PPL□ FAN	S□PPL□ TERMINAL	RET□RN FAN	DIRECT EXHA□ST FAN
101	OFFICE SPACE	OFFICE SPACES	6□4	□		5	5	0	0.06	0	0	0	4	20	42	65	0	8□5	65	810	0	POSITIVE		AH□-1	EVAV-6	AH□-1	-
102	CONFERENCE ROOM	CONFERENCE ROOMS	1□0	□		50	5	0	0.06	0	0	0	10	50	11	65	0	300	65	235	0	POSITIVE		AH□-1	EVAV-5	AH□-1	-
103	CONTROL ROOM	OFFICE SPACES	132	□		5	5	0	0.06	0	0	0	1	5	8	15	0	315	15	300	0	POSITIVE		AH□-1	EVAV-□	AH□-1	-
104	VESTIB□LE	NO RE□□IREMENTS	□□	□		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NE□TRAL		-	-	-	-
105	LOBB□	LOBBIES/PREF□NCTION	36□	□		30	□5	0	0.06	0	0	0	12	□0	22	115	0	630	115	515	0	POSITIVE		AH□-1	EVAV-□	AH□-1	-
106	LO□NGE	BARS, COCKTAIL LO□NGES	604	□		100	□5	0	0.18	0	0	0	61	458	10□	5□0	0	825	5□0	255	0	POSITIVE		AH□-1	VAV-1	AH□-1	-
10□	SENIOR ROOM	M□LTIP□RPOSE ASSEMBL□	1□81	□		120	5	0	0.06	0	0	0	238	11□0	11□	1310	0	2850	1310	1540	0	POSITIVE		AH□-1	EFPB-10	AH□-1	-
108	WARMING KITCHEN	KITCHENS □COOKING□	336	□		0	0	0	0	0	0□□	0	0	0	0	0	240	680	0	680	260	NEGATIVE		AH□-1	EVAV-6	AH□-1	EF-1
10□	PANTR□	NO RE□□IREMENTS	35	□		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NE□TRAL		-	-	-	-
110	STORAGE	NO RE□□IREMENTS	2□0	□		0	0	0	0	0	0	0	0	0	0	0	0	400	0	400	0	NE□TRAL		AH□-1	EFPB-8	AH□-1	-
	GAME ROOM	GAME ROOMS	1005	□		20	□5	0	0.18	0	0	0	21	158	181	340	0	12□0	340	□50	0	POSITIVE		AH□-1	EVAV-5	AH□-1	-
	N□RSER□	DA□ CARE □THRO□GH AGE 4□	80□	□		25	10	0	0.18	0	0	0	21	210	146	360	0	14□5	360	1115	0	POSITIVE		AH□-1	EVAV-3	AH□-1	-
	TOILET	BATHROOMS □PRIVATE, INTERMITTENT□	61	□		0	0	0	0	0	0	50	0	0	0	0	50	0	0	0	100	NEGATIVE		-	-	-	
TOTALS			6581		0								368			2840	2□0	□640	2840	6800	360						

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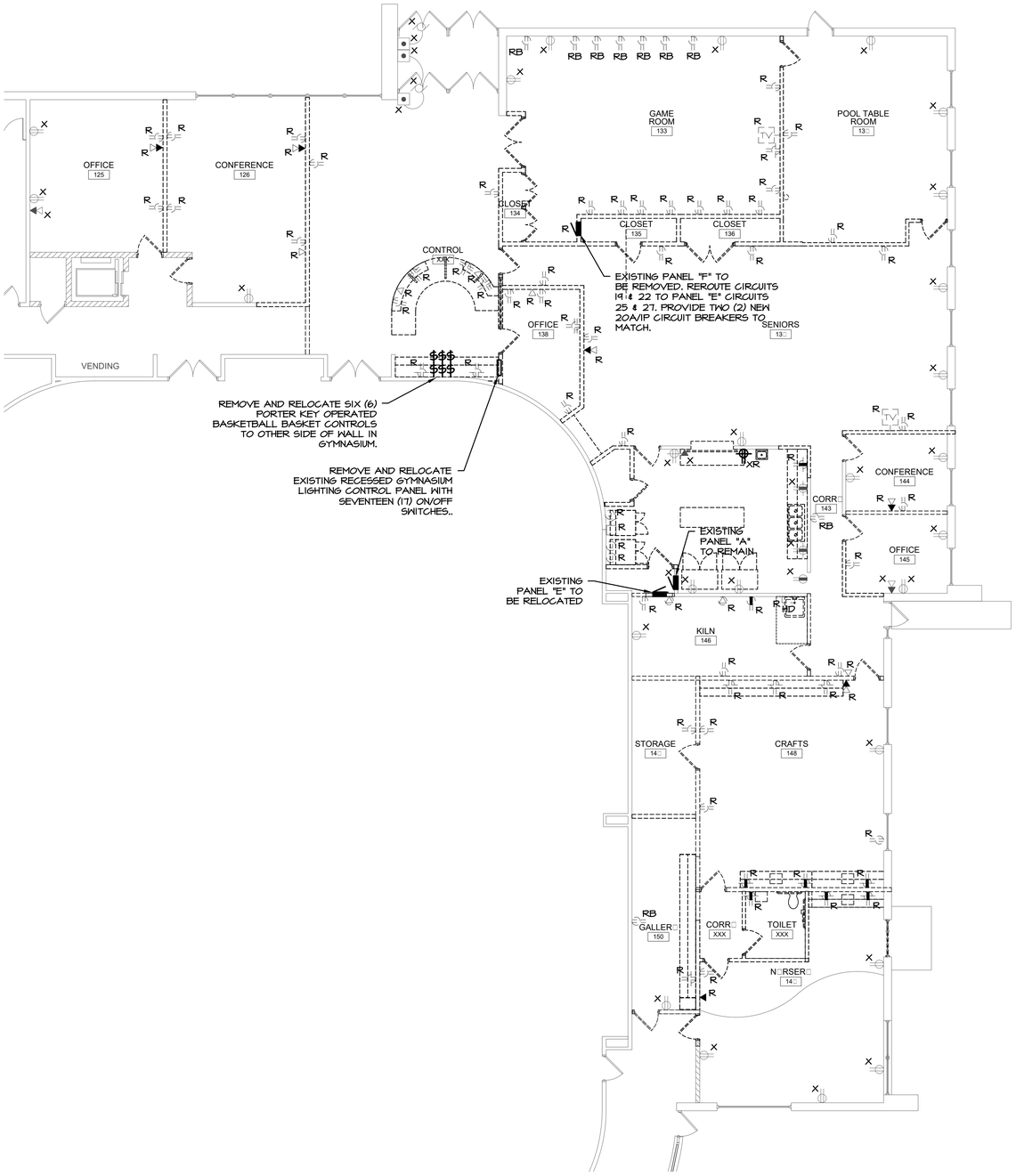
VENTILATION SCHED□LE

M2.1



ELECTRICAL POWER DEMOLITION PLAN

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

8

R EXISTING TO BE REMOVED
RB REMOVE EXISTING, INSTALL BLANK-UP PLATE
X EXISTING TO REMAIN
XR EXISTING, REMOVE AND REPLACE WITH NEW DEVICE AND FINISH PLATE
XRR EXISTING, REMOVE AND RELOCATE
XRN EXISTING RELOCATED, NEW LOCATION
XN EXISTING LOCATION, NEW DEVICE AND FINISH PLATE

DRAWING LEGEND

SCALE: NONE

1

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RENEWAL 11/30/2016

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ELECTRICAL POWER DEMOLITION PLAN

ED1.1

R EXISTING TO BE REMOVED
RB REMOVE EXISTING, INSTALL BLANK-UP PLATE
X EXISTING TO REMAIN
XR EXISTING, REMOVE AND REPLACE WITH NEW DEVICE AND FINISH PLATE
XRR EXISTING, REMOVE AND RELOCATE
XRN EXISTING RELOCATED, NEW LOCATION
XN EXISTING LOCATION, NEW DEVICE AND FINISH PLATE

DRAWING LEGEND

SCALE: NONE 1

ELECTRICAL LIGHTING DEMOLITION PLAN

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

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ELECTRICAL LIGHTING DEMOLITION PLAN

ED1.2

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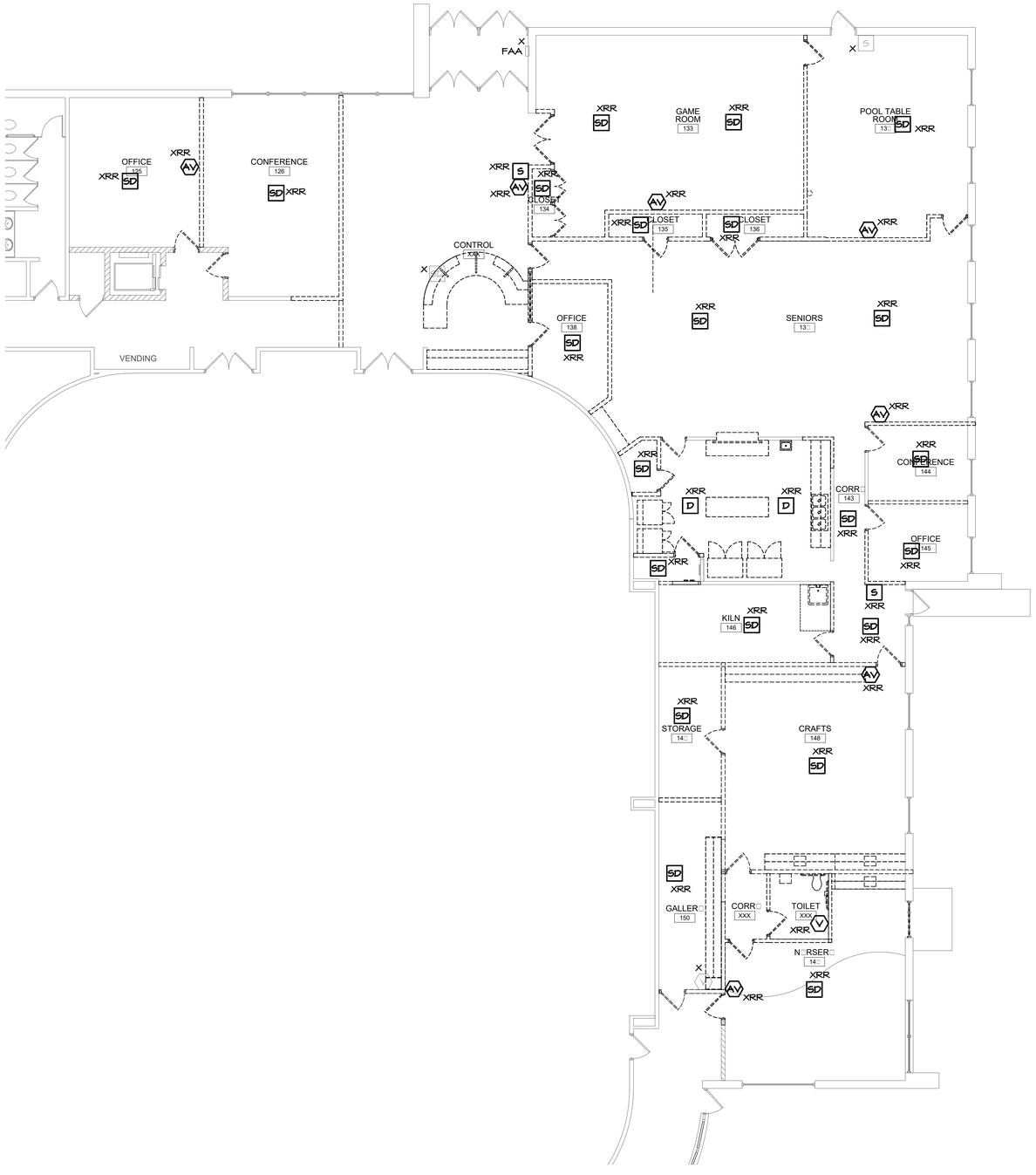

R EXISTING TO BE REMOVED
RB REMOVE EXISTING, INSTALL BLANK-UP PLATE
X EXISTING TO REMAIN
XR EXISTING, REMOVE AND REPLACE WITH NEW DEVICE AND FINISH PLATE
XRR EXISTING, REMOVE AND RELOCATE
XRN EXISTING RELOCATED, NEW LOCATION
XN EXISTING LOCATION, NEW DEVICE AND FINISH PLATE

DRAWING LEGEND

SCALE: NONE 1

ELECTRICAL FIRE ALARM DEMOLITION PLAN

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

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ELECTRICAL FIRE ALARM DEMOLITION PLAN

ED1.3

1. INTERCEPT AND EXTEND EXISTING CIRCUIT A:26 TO NEW AND EXISTING RECEPTACLES AS INDICATED.
2. INTERCEPT AND EXTEND EXISTING CIRCUIT A:6 TO NEW RECEPTACLES AS INDICATED.
3. INTERCEPT EXISTING CIRCUITS AND PROVIDE NEW HOMERUN, 4#12,1#12G,3/4"C TO PANEL "A". CONNECT TO TWO (2) EXISTING 20A/1P CIRCUIT BREAKERS.
4. TO PANEL E1 CIRCUITS 2,4,6. 6#12,1#12G,3/4"C. CONNECT CIRCUITS 2,4 TO TWO (2) EXISTING 20A/1P CIRCUIT BREAKERS AND PROVIDE A NEW 20A/1P CIRCUIT BREAKER TO MATCH FOR CIRCUIT #6.
5. TO PANEL E1 CIRCUITS 8,10,12. 6#12,1#12G,3/4"C. REMOVE EXISTING 40A/3P CIRCUIT BREAKER, TURN OVER TO OWNER FOR STOCK AND PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH.
6. TO PANEL E1 CIRCUITS 14,16,18. 6#12,1#12G,3/4"C. REMOVE EXISTING 40A/3P CIRCUIT BREAKER, TURN OVER TO OWNER FOR STOCK AND PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH.
7. TO PANEL E1 CIRCUITS (7),9,(11). 6#12,1#12G,3/4"C. REMOVE EXISTING 50A/3P CIRCUIT BREAKER, TURN OVER TO OWNER FOR STOCK AND PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH. CIRCUITS IN (X) INDICATE FOR COMPUTER USE ONLY. RECEPTACLES TO BE GRAY IN COLOR.
8. TO PANEL E1 CIRCUITS 13,15,17. 6#12,1#12G,3/4"C. REMOVE EXISTING 50A/3P CIRCUIT BREAKER, TURN OVER TO OWNER FOR STOCK AND PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH.
9. TO PANEL E1 CIRCUITS (20),22,24. 6#10,1#10G,3/4"C. REMOVE EXISTING 40A/3P CIRCUIT BREAKER, TURN OVER TO OWNER FOR STOCK AND PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH. CIRCUITS IN (X) INDICATE FOR COMPUTER USE ONLY. RECEPTACLES TO BE GRAY IN COLOR.
10. TO PANEL E1 CIRCUITS (26),(28),(30). 6#10,1#10G,3/4"C. REMOVE EXISTING 40A/3P CIRCUIT BREAKER, TURN OVER TO OWNER FOR STOCK AND PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH. CIRCUITS IN (X) INDICATE FOR COMPUTER USE ONLY. RECEPTACLES TO BE GRAY IN COLOR.
11. TO PANEL E1 CIRCUITS (32),(34),(36). 6#10,1#10G,3/4"C. PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH. CIRCUITS IN (X) INDICATE FOR COMPUTER USE ONLY. RECEPTACLES TO BE GRAY IN COLOR.
12. TO PANEL A1 CIRCUITS 27,29,31,34. 8#12,1#12G,3/4"C. REMOVE EXISTING 30A/2P CIRCUIT BREAKER, TURN OVER TO OWNER FOR STOCK AND PROVIDE TWO (2) NEW 20A/1P CIRCUIT BREAKERS TO MATCH AND ALSO CONNECT TO TWO (2) EXISTING CIRCUIT BREAKERS.
13. TO PANEL A1 CIRCUITS 33,35,36,42. 8#12,1#12G,3/4"C. CONNECT TO FOUR (4) EXISTING CIRCUIT BREAKERS.
14. TO PANEL E1 CIRCUIT 38,39,41. 6#12,1#12G,3/4"C. PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH.
15. COORDINATE FINAL LOCATION OF OUTLETS IN OFFICE WITH FURNITURE LAYOUT AND OWNER.
16. VERIFY OUTLET HEIGHT OF TV WITH OWNER PRIOR TO INSTALLATION.
17. PROVIDE 1-1/4" EMPTY CONDUIT FROM CABINET TO BACK OF TV OR PROJECTOR FOR HDMI CONNECTION. HDMI BY OWNER.
18. TO PANEL E1 CIRCUIT 35,37,40. 6#12,1#12G,3/4"C. PROVIDE THREE (3) NEW 20A/1P CIRCUIT BREAKERS TO MATCH.

DRAWING NOTES 3

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MY LICENSE EXPIRES

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

4

ELECTRICAL POWER PLAN

HOFFMAN ESTATES PARK DISTRICT
TRIPHAHN CENTER
1685 WEST HIGGINS ROAD
HOFFMAN ESTATES, IL 60169

was no	2015-066
date	09/20/2016
drawn	MOV, JAT, KJS
checked	STT
revised	ISSUED FOR BID 20 SEPT. 2016

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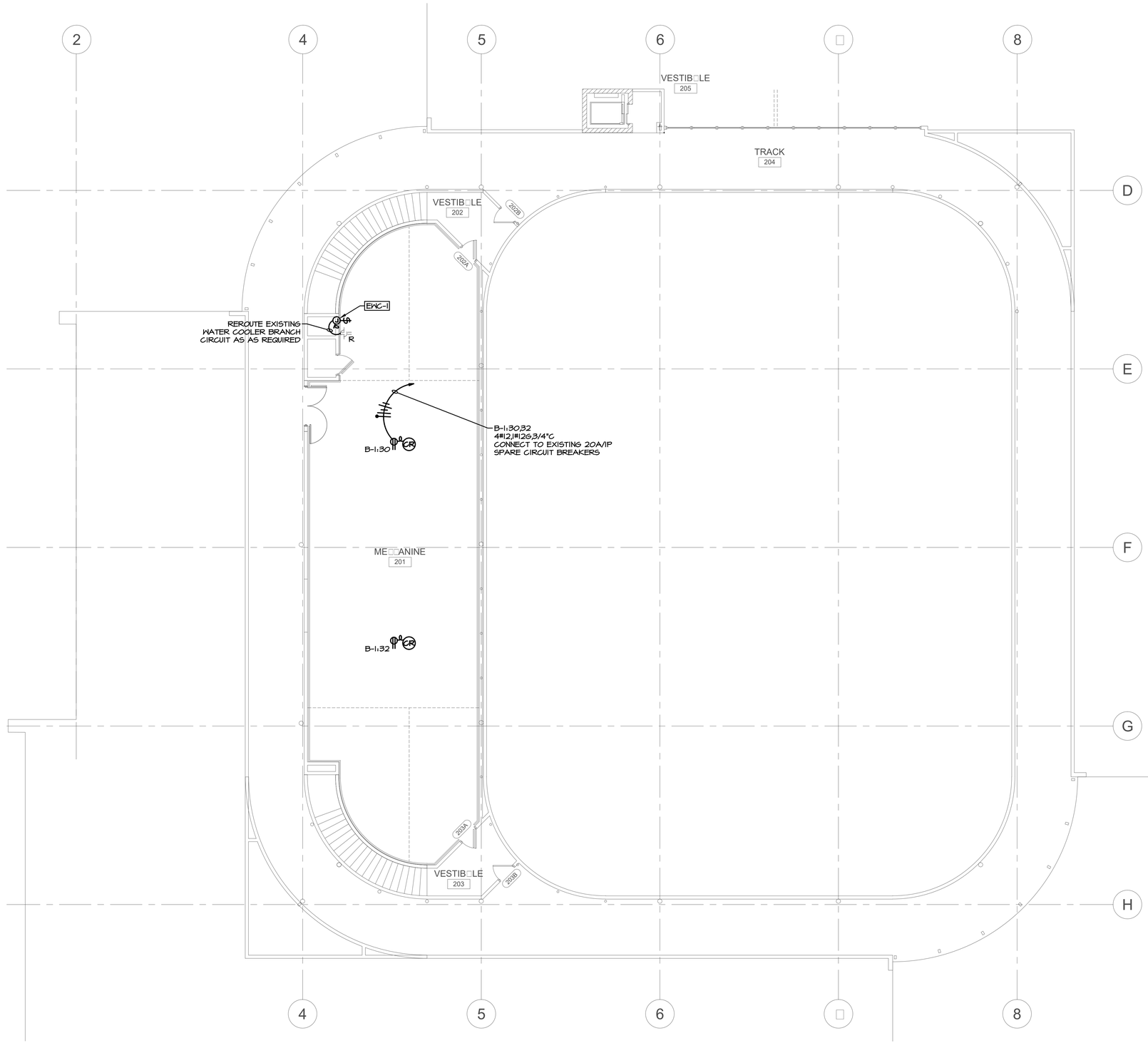
ELECTRICAL POWER PLAN

E1.1



ELECTRICAL POWER PLAN

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

4

HOFFMAN ESTATES PARK DISTRICT
TRIPHAHN CENTER
1685 WEST HIGGINS ROAD
HOFFMAN ESTATES, IL 60169

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ELECTRICAL
SECOND FLOOR
POWER PLAN

E1.2

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DEPARTMENT OF REGISTRATION

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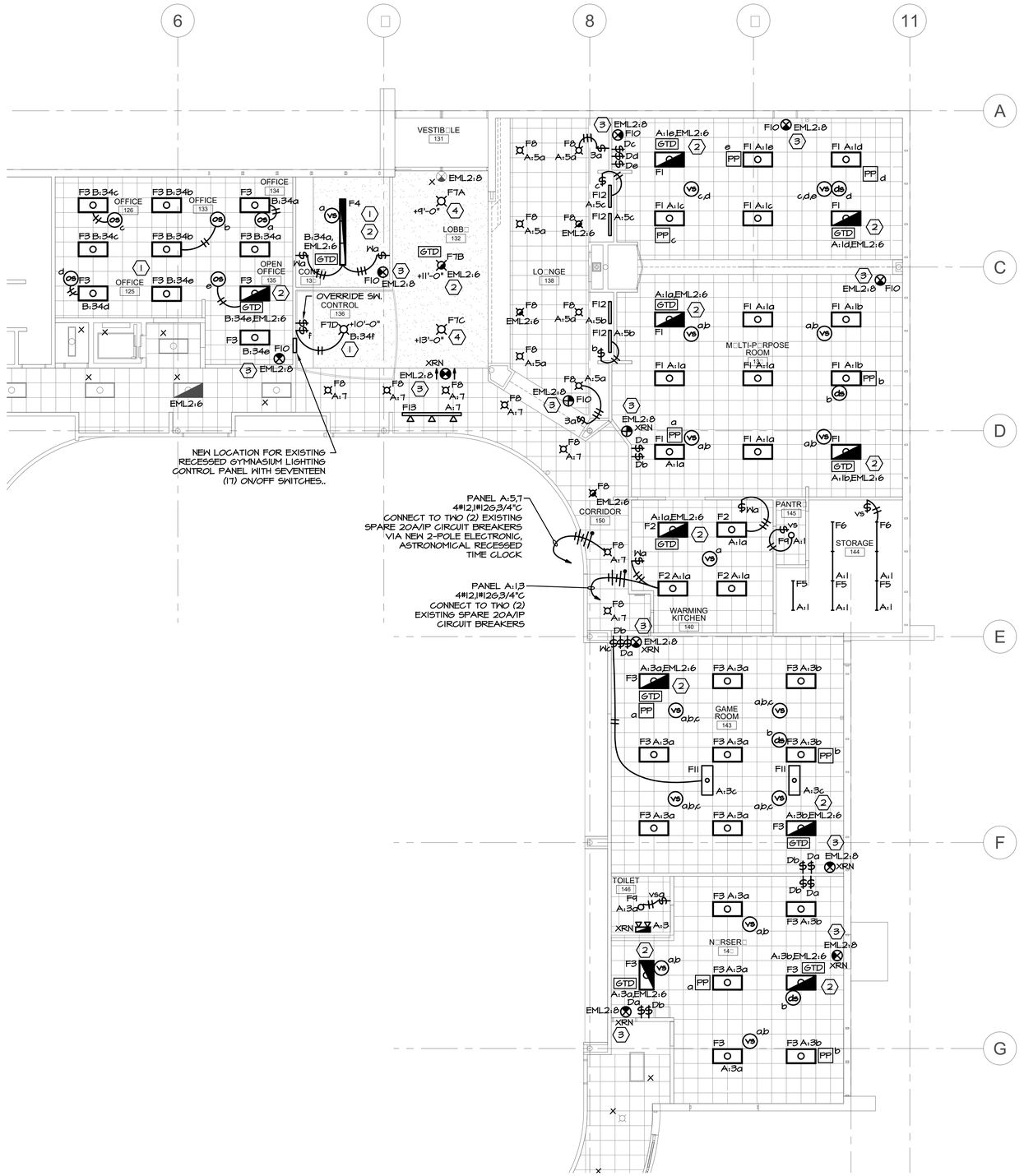

1. INTERCEPT AND EXTEND EXISTING CIRCUIT B1,34 PREVIOUSLY SERVING AREA TO NEW LIGHTING AS SHOWN. FURNISH AND INSTALL NEW ELECTRONIC ASTRONOMICAL TIME SWITCH AT PANEL FOR CIRCUIT ON/OFF OPERATION AND NEW BY-PASS SWITCH AT CONTROL TO MEET 2015 IECC. FIELD VERIFY EXACT CIRCUIT NUMBER IN USE.
2. INTERCEPT AND EXTEND EXISTING EMERGENCY LIGHTING CIRCUIT EML2,6 AS REQUIRED.
3. INTERCEPT AND EXTEND EXISTING EXIT SIGN CIRCUIT EML2,8 AS REQUIRED.
4. INTERCEPT AND CONNECT TO EXISTING LOBBY LIGHTING CIRCUIT MADE SPARE BY REMOVAL OF EXISTING LOBBY LIGHTING FIXTURES.

DRAWING NOTES 1

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ELECTRICAL LIGHTING PLAN

E2.1

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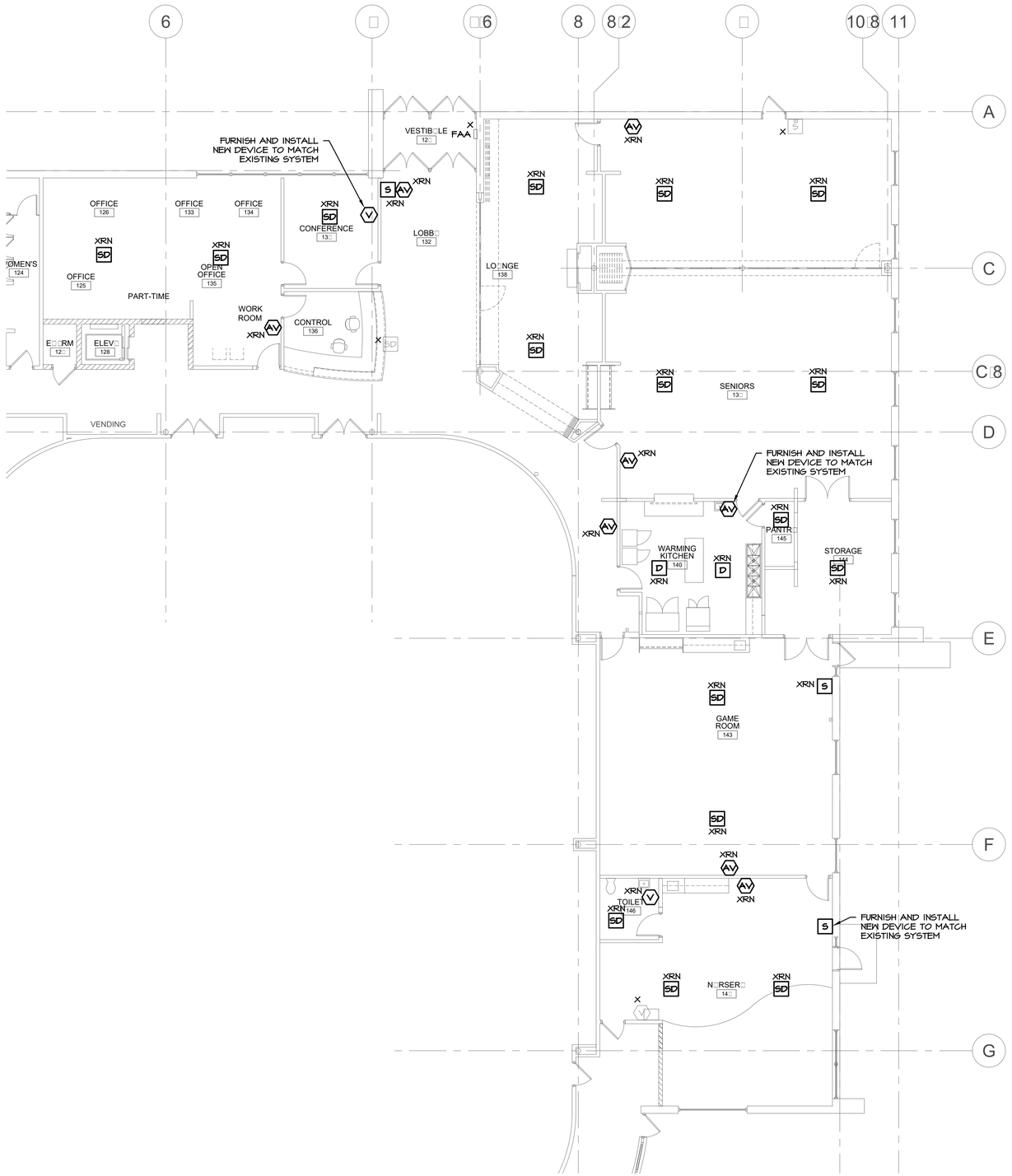
ELECTRICAL LIGHTING PLAN

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



ELECTRICAL FIRE ALARM PLAN

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

8

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ELECTRICAL FIRE ALARM PLAN

E3.1

PANEL EXISTING RELOCATED "E" VOLTS 120/208 PHASE 3Φ,4W
AMPS 400 MAIN MLO A.I.C. 10,000
LOCATION - MOUNTING RECESSED

CKT	POLE	TRIP	MISC	C.O.	LTS	LOCATION	KVA	KVA	LOCATION	LTS	C.O.	MISC	TRIP	POLE	CKT
1	3		1			ACT-1	24.00	1.50	149-COUNTER		1		20	1	2
3								1.50	149-COUNTER		1		20	1	4
5		100						1.00	GAME ROOM		2		20	1	6
	1	20		3		KIOSK,CONTROL-COMPUTER	1.50	1.00	GAME ROOM		1		20	1	8
	1	20		3		KIOSK,CONTROL	0.54	1.00	GAME ROOM		3		20	1	10
11	1	20		3		CONTROL,CONF. RM. COMPUTER	1.50	0.50	GAME ROOM-TV		1		20	1	12
13	1	20		3		CONTROL	0.54	1.20	GAME RM.-REFRIGERATOR		1		20	1	14
15	1	20		3		CONFERENCE ROOM	0.54	1.50	GAME ROOM-COUNTER		1		20	1	16
1	1	20		1		LOBBY	0.50	1.50	GAME ROOM-COUNTER		1		20	1	18
1	1	20				EXISTING TVSS		1.50	OFFICE-COMPUTERS		3		20	1	20
21	1	20				EXISTING TVSS		0.54	OFFICE		3		20	1	22
23	1	20				EXISTING TVSS		0.72	OFFICE		4		20	1	24
25	1	20				EX. CAR CHARGER	1.50	1.00	OFFICE-COMPUTERS		2		20	1	26
2	1	20				EX. GYM RECEPTACLES	1.08	1.00	OFFICE-COMPUTERS		2		20	1	28
2	3					SPARE		1.50	WORK ROOM-COPIER		1		20	1	30
31								1.50	WORK ROOM-FAX,PRINTER		2		20	1	32
33		40						1.00	WORK ROOM-COMPUTERS		2		20	1	34
35	1	20		1		138-COUNTER	1.50	0.50	WORK ROOM-TIME CLOCK		1		20	1	36
3	1	20		1		138-COUNTER	1.50	0.60	LOUNGE-FIRE PLACE			1	20	1	38
3	1	20		1		138-COUNTER	1.50	1.50	134-MOTORIZED PANEL			1	20	1	40
41	1	20		1		138-COUNTER	1.50		SPACE					1	42

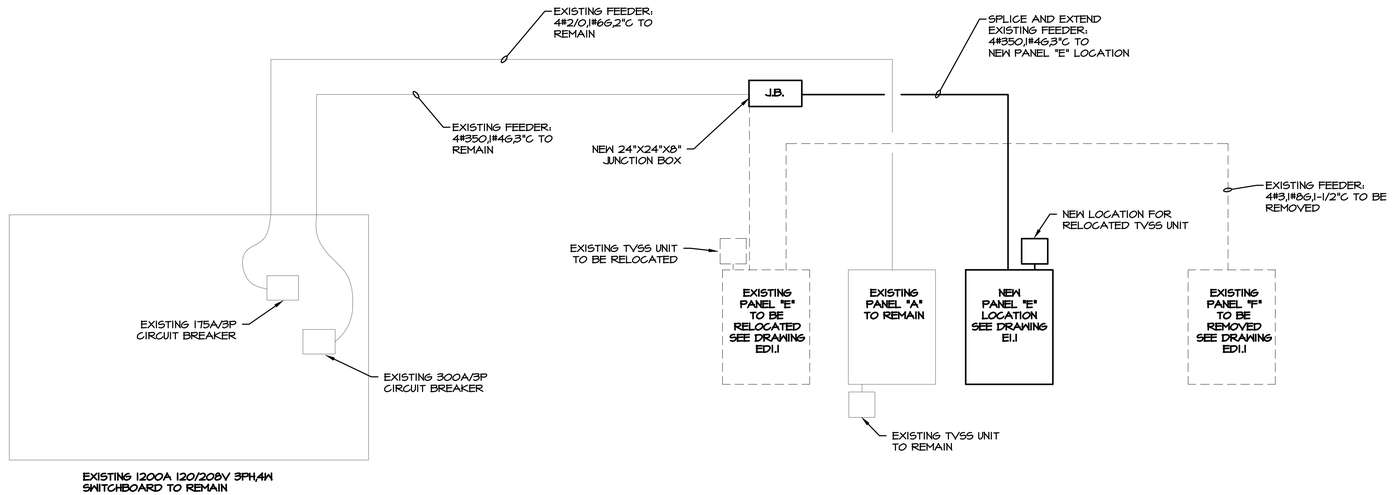
TOTAL = 31.70 22.06 = TOTAL
TOTAL KVA = 54.76 TOTAL AMPS = 135.2

PANEL EXISTING "A" VOLTS 120/208 PHASE 3Φ,4W
AMPS 225 MAIN MLO A.I.C. 10,000
LOCATION - MOUNTING RECESSED

CKT	POLE	TRIP	MISC	C.O.	LTS	LOCATION	KVA	KVA	LOCATION	LTS	C.O.	MISC	TRIP	POLE	CKT
1	1	20				134,140,PANTRY,STORAGE	0.99	0.72	149		4		20	1	2
3	1	20	1		18	GAME ROOM,TOILET,149	0.70	0.18	149,GAME ROOM		1		20	1	4
5	1	20			10	LOUNGE	0.25	1.50	149,TOILET		3		20	1	6
	1	20			8	CORRIDOR	0.25	0.36	EX. ROOF RECEPTACLES				20	1	8
	1	20				SPARE		0.36	EX. ROOF RECEPTACLES				20	1	10
11	1	20				SPARE		1.20	EX. CIRC. PUMP				20	1	12
13	1	20				EX. GYM RECEPTACLES	0.90	0.86	EXISTING FPB				20	1	14
15	1	20				EXISTING FPB	0.86	0.86	EXISTING FPB				20	1	16
1	1	20				EXISTING FPB	0.86	0.86	EXISTING FPB				20	1	18
1	1	20				EXISTING FPB	0.86	1.50	140-DISHWASHER			1	20	1	20
21	1	20		1		140-COUNTER	1.50	1.50	140-COUNTER		1		20	1	22
23	1	20		1		140-WARMING CABINET	1.50	1.50	140-COUNTER		1		20	1	24
25	1	20		1		140-WARMING CABINET	1.50	0.90	134,LOUNGE		5		20	1	26
2	1	20		1		134	1.50	0.72	134-EXISTING RECEPTACLE		4		20	1	28
2	1	20		1		134	1.50	1.50	140-EXISTING RECEPTACLE		2		20	1	30
31	1	20		1		134	1.50	0.72	STORAGE-EX. RECEPTACLE		4		20	1	32
33	1	20		1		134	1.50	1.50	134,LOUNGE-TV,DVD		4		20	1	34
35	1	20		2		134-PROJECTOR,WI	1.50	1.50	134-TV		3		20	1	36
3	1	20				EXISTING TVSS		1.50	140-REFRIGERATOR		1		20	1	38
3	1	20				EXISTING TVSS		1.50	140-FREEZER		1		20	1	40
41	1	20				EXISTING TVSS		0.86	134-SCREEN			1	20	1	42

TOTAL = 17.67 22.10 = TOTAL
TOTAL KVA = 34.77 TOTAL AMPS = 110.5

NOTES:
1. ALL C/B'S SERVING HVAC EQUIPMENT SHALL BE HACR RATED.
2. ALL C/B'S SERVING EM/NL LIGHTING SHALL HAVE LOCK-ON DEVICE.
3. ALL C/B'S USED FOR SWITCHING OF LIGHTS SHALL BE SWITCH DUTY RATED.



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ELECTRICAL PARTIAL RISER DIAGRAM AND PANEL SCHEDULES

E4.1

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FIRE ALARM SYMBOLS

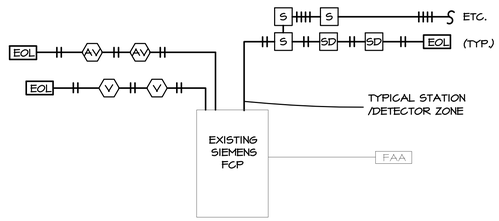
FAA	FIRE ALARM ANNUNCIATOR PANEL
S	FIRE ALARM SYSTEM DUAL ACTION PULL STATION (+48"AFF) (MOUNT WITHIN 5 FT. OF DOOR)
AV	FIRE ALARM SYSTEM GENERAL ALARM & VISUAL ALARM DEVICE - 80" A.F.F.
V	VISUAL STROBE SIGNAL 100 CANDELA STROBE-24VDC(+80"AFF)
SD	SMOKE DETECTOR MIN. 3FT FROM SUPPLY VENT.
D	HEAT DETECTOR. 135 DEGREE RATE OF RISE
EOL	END OF LINE RESISTOR

NOTE: FIRE ALARM SYSTEM SHALL BE ZONED PER NFPA CODE, NON-CODED, CONTINUOUS SOUNDING, UL LISTED, WITH SERIES BATERIES. MINIMUM WIRE TWO CONDUCTOR INSULATED #14 AWG.TWISTED PAIR, MINIMUM 3/4" CONDUIT.

SUBMIT SHOP DRAWINGS TO ENGINEER AND HOFFMAN ESTATES FIRE PREVENTION BUREAU FOR REVIEW PRIOR TO INSTALLATION.
INSTALL ALL DEVICES PER LOCAL CODE, VERIFY PRIOR TO INSTALLATION.

FIRE ALARM DEVICES TO BE WIRED TO FCP SHALL BE ZONED TO ACCEPT DUCT SMOKE DETECTORS, PULL STATIONS, SPEAKERS, VISUALS, FLOW SWITCHES, TAMPER SWITCHES, AND BELLS. VERIFY AND COORDINATE IN FIELD.
PROVIDE AND INSTALL CONDUIT AND WIRING AS REQUIRED FOR FIRE ALARM DEVICES.

E.C. SHALL VERIFY EXACT QUANTITY OF FIRE ALARM DEVICES PRIOR TO BIDDING.



FIRE ALARM RISER NOTES:

1. FOR QUANITY AND LOCATION SEE FLOOR PLANS.
2. ALL CONDUCTORS SHALL BE #14AWG. UNLESS OTHERWISE INDICATED. MIN. SIZE CONDUIT - 1/2"
3. MANUFACTURER OF FIRE ALARM SYSTEM SHALL DETERMINE ALL ZONES REQUIRED & WORK UP ZONE SCHEDULE FOR OWNER
4. SYSTEM TO REMAIN OPERATIONAL DURING CONSTRUCTION. E.C. TO COORDINATE WITH OWNER AND HOFFMAN ESTATES FIRE PREVENTION BUREAU.

DIAGRAM - FIRE ALARM RISER

NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION / FEATURES	LAMPS QTY	LAMPS TYPE	MOUNTING CLG./POLE-TYPE	VOLT	SPECIFIED MANUFACTURER AND CATALOG NUMBER
F1	2'X4' LED LAY-IN, IC RATED		40W LED	RECESSED	120	LITHONIA #2ALL4-48L-EZI-LP835
F2	2'X4' LED LAY-IN W/ PRISMATIC LENS		40W LED	RECESSED	120	LITHONIA #2TL4-48L-FIA-AI9-EZI-LP835
F3	2'X4' LED LAY-IN		40W LED	RECESSED	120	LITHONIA #2ALL4-48L-EZI-LP835
F4	8'-0" PENDANT LED		104W LED	CABLE +9'-0" AFF.	120	PEERLESS #TGRM7L-LLP-8FT-MSL8-80CRI-35K-II200LMF-DARK-ZT-120-SCT-F2/144A-G210-MCS-SCEP
F5	4'-0" LED STRIP		33W LED	SURFACE	120	LITHONIA #ZLID-L48-3000LM-FST-MVOLT-35K-80CRI-WH
F6	8'-0" LED STRIP		60W LED	SURFACE	120	LITHONIA #TZLID-L96-6000LM-FST-MVOLT-35K-80CRI-WH
FA	36" DIA. LED ROUND UP/DOWN LIGHT PENDANT CABLE HUNG		170.6W LED	CABLE 9'-0" AFF.	120	PINNACLE #F36B-AR-35-35-AH472JB-120-IC-W
FB	36" DIA. LED ROUND UP/DOWN LIGHT PENDANT CABLE HUNG		170.6W LED	CABLE 11'-0" AFF.	120	PINNACLE #F36B-AR-35-35-AH496JB-120-IC-W
FC	36" DIA. LED ROUND UP/DOWN LIGHT PENDANT CABLE HUNG		170.6W LED	CABLE 13'-0" AFF.	120	PINNACLE #F36B-AR-35-35-AH496JB-120-IC-W
FD	36" DIA. LED ROUND UP/DOWN LIGHT PENDANT CABLE HUNG		170.6W LED	CABLE 10'-0" AFF.	120	PINNACLE #F36B-AR-35-35-AH4120JB-120-IC-W
F8	8" DIA. LED DOWNLIGHT		31.6W LED	RECESSED	120	GOTHAM #EVO-35/20-8AR-MD-LSS-120-EZ10-TRW
F	6" DIA. LED DOWNLIGHT		11.8W LED	RECESSED	120	GOTHAM #EVO-35/10-6AR-MD-LSS-MVOLT-EZ10-TRW
F10	EDGE-LIT LED EXIT SIGN		1.5W LED	RECESSED	120	LITHONIA #LRP-W-1-RC-120/277
F11	PENDANT POOL TABLE LIGHT	3	100W	PENDANT	120	LIVEX LIGHTING SOMERSET SERIES #4224-70
F12	36"L LED UNDERCABINET LIGHT		14.8W LED	SURFACE	120	LITHONIA #UCEL-36IN-30K-90CRI-WH
F13	8'-0" TRACK LIGHT W/ 3 - LED HEADS	3	10.7W LED	SURFACE	120	JUNO #RBWH 8'-0" TRACK WITH 3 - #T26ILG3-35-N-WH HEADS AND ALL ACCESSORIES REQUIRED

NOTES:

1. VERIFY TYPE OF CEILING OR WALL FOR ALL RECESSED LIGHTING FIXURES PRIOR TO ORDERING.
2. PROVIDE ALL ADDITIONAL HARDWARE FOR FIXTURE MOUNTING AS REQUIRED AT NO EXTRA COST.
3. ALL WIRE WITHIN (3) THREE INCHES OF BALLASTS SHALL BE RATED A MINIMUM OF 90°C.
4. MINIMUM LENS THICKNESS TO BE .125 INCHES, WHERE LENSES ARE USED.
5. THE FIXTURE SCHEDULE DOES NOT NECESSARILY LIST ALL ACCESSORIES AND HARDWARE NECESSARY FOR THE COMPLETION OF INSTALLATION, NOR DOES IT DETAIL THE CEILING CONSTRUCTION TO BE ENCOUNTERED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY DETERMINE AND PROVIDE CORRECT COMPONENTS, ACCESSORIES, AND HARDWARE AS REQUIRED FOR THE INSTALLATION.
6. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS AND CEILING CONTRACTOR FOR EXACT LIGHTING FIXTURE LOCATION.
7. THIS CONTRACTOR SHALL PROVIDE POINT-BY-POINT LIGHTING CALCULATIONS FOR ANY SUBSTITUTED LIGHTING FIXTURES, POINT-BY-POINT CALCULATIONS SHALL BE PROVIDED WITH SHOP DRAWINGS AND BE CALCULATED BY THE MANUFACTURER OF THE LIGHTING FIXTURE FOR THE AREAS BEING SERVED. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW A MINIMUM OF SEVEN (7) DAYS PRIOR TO BID DATE IN ORDER TO BE CONSIDERED.
8. ALL BATTERY BACK-UP EMERGENCY LIGHT AND EXIT SIGN LIGHTING FIXTURES INDICATED SHALL HAVE BATTERY BACK-UP RATED FOR 1-1/2 HOURS MINIMUM AND AS APPROVED BY LOCAL FIRE PREVENTION BUREAU.
9. EMERGENCY LIGHTING TO BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.

ELECTRICAL SYMBOLS

A 2a	FLUORESCENT LIGHT FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, NUMERAL INDICATES CIRCUIT ASSIGNMENT, SUBSCRIPT LETTER DENOTES SWITCH LEG. SHADING OF ANY FIXTURE INDICATES CIRCUITED TO UNSWITCHED EMERGENCY/ NIGHT LIGHT CIRCUIT. SEE "LIGHTING FIXTURE SCHEDULE."
	EXIT SIGN UNIVERSAL MOUNT SHADED AREA INDICATES FACE, ARROWS AS REQUIRED. SEE "LIGHTING FIXTURE SCHEDULE."
	LIGHTING FIXTURE OUTLET - SEE DRAWINGS
	SELF CONTAINED EMERGENCY LIGHTING FIXTURE, WITH BATTERY BACK-UP AND SOLID STATE CHARGER
$3	THREE-WAY SWITCH, 48"AFF, SUBSCRIPT LETTER DENOTES SWITCH LEG
$VS	LUTRON VACANCY SENSOR SWITCH, LUTRON #MS-A102-V-WH, MANUAL ON / AUTO OFF
$P	LUTRON WIRELESS DIMMER SWITCH, #PICO-P.J2-2BRL-GWH-L01 W #PICO-WBX-ADAPT BOX ADAPTER, 48" AFF.
$W	LUTRON WIRELESS SWITCH, #MRF2-6ANS-WH, 48" AFF.
PP	LUTRON WIRELESS MODULE, #RMJ-5T-DV-B POW PAK
VS	WIRELESS VACANCY SENSOR, LUTRON #LRF2-VCR2B-P-WH, MANUAL ON / AUTO OFF
DS	WIRELESS DAYLIGHT SENSOR, LUTRON #LRF2-DCRB-WH
OS	OCCUPANCY SENSOR, LUTRON #LOS-CDT-500-WH W/ #PP-120H
$T	MANUAL SINGLE PHASE MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION. "P" DENOTES DEVICE FURNISHED WITH PILOT LIGHT., 48"AFF UNLESS INDICATED OTHERWISE
	NON FUSED SAFETY SWITCH, RATING AS INDICATED
F	FUSED DISCONNECT SWITCH, SWITCH AND FUSE RATING AS INDICATED.
	3-PHASE COMBINATION MAGNETIC STARTER WITH NEMA SIZE INDICATED BY E.C.
	DUPLEX RECEPTACLE, NEMA 5-20R, 15"A.F.F.
	DUPLEX RECEPTACLE CROSS LINE DENOTES 6" ABOVE COUNTER OR BACKSPLASH.
	DUPLEX RECEPTACLE SHADING DENOTES GROUND FAULT CIRCUIT INTERRUPTER "GFCI". NEMA 5-20R
	DOUBLE DUPLEX RECEPTACLE
	ISOLATED GROUND DUPLEX RECEPTACLE, NEMA 5-20R, 15"AFF
CR	CORD REEL, 20 AMP, 120V, 25'-0" 12/3 SJOW BLACK CORD WITH DOUBLE DUPLEX AT PAYOUT END. KH INDUSTRIES #RTBB3L-WDD520-JI2F
	LIGHTING AND/OR POWER PANEL.
	MOTOR
PE	PHOTO ELECTRIC CONTROL, ROOF MOUNTED, 120V OPERATION, 20A RATED
	CONDUIT ROUTED CONCEALED IN CEILING OR WALL CONSTRUCTION. (CROSS LINES DENOTE NUMBER OF WIRES.)
	CONDUIT ROUTED EXPOSED, PARALELL OR PERPENDICULAR TO WALLS.
	CONDUIT ROUTED CONCEALED IN CONCRETE FLOOR SLAB OR UNDERGROUND.
J J	AUXILLARY JUNCTION BOX
	FLEXIBLE CONDUIT CONNECTION
	HOME RUN TO PANELBOARD CONDUIT PHASE CONDUCTORS NEUTRAL CONDUCTOR EQUIPMENT GROUND ISOLATED GROUND
	VOICE/DATA SYSTEM OUTLET WITH 1" CONDUIT STUB INTO CEILING SPACE. "1C6" DENOTES ONE (1) CAT-6 CABLE TO BE INSTALLED. "2C6" DENOTES TWO (2) CAT-6 CABLES TO BE INSTALLED. ALL CABLES TO TERMINATE IN STORAGE ROOM 112.
TV	TV OUTLET, WITH 3/4" CONDUIT STUB INTO CEILING SPACE. "1C" DENOTES ONE (1) COAX CABLE TO BE INSTALLED TO STORAGE ROOM 112.

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ELECTRICAL SYMBOLS, SCHEDULES AND DETAILS

E4.2

MARK D. VENTRELLA 062-050025 REGISTERED PROFESSIONAL ENGINEER STATE OF ILLINOIS

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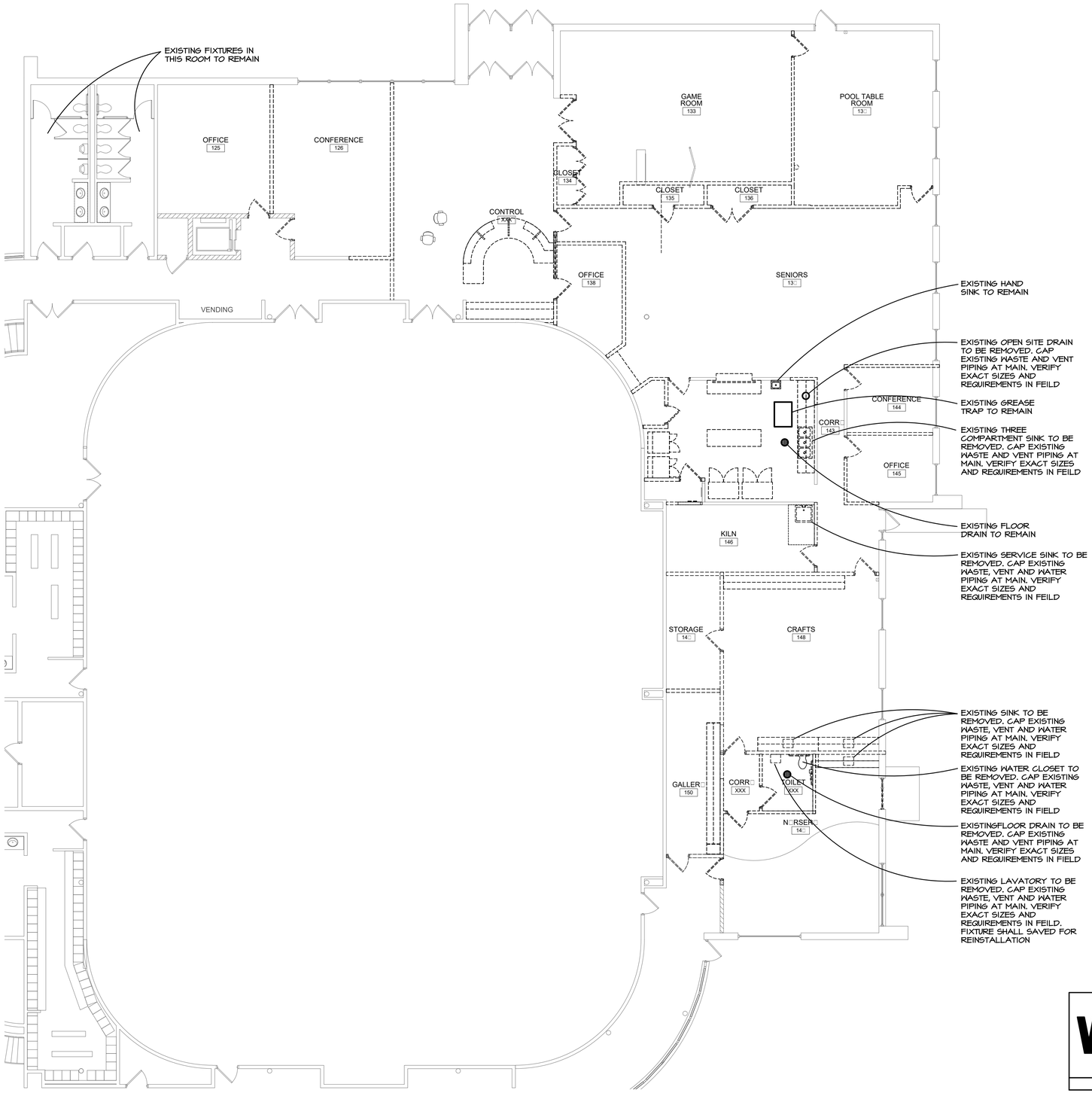

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HOFFMAN ESTATES PARK DISTRICT
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PL□MBING DEMOLITION PLAN

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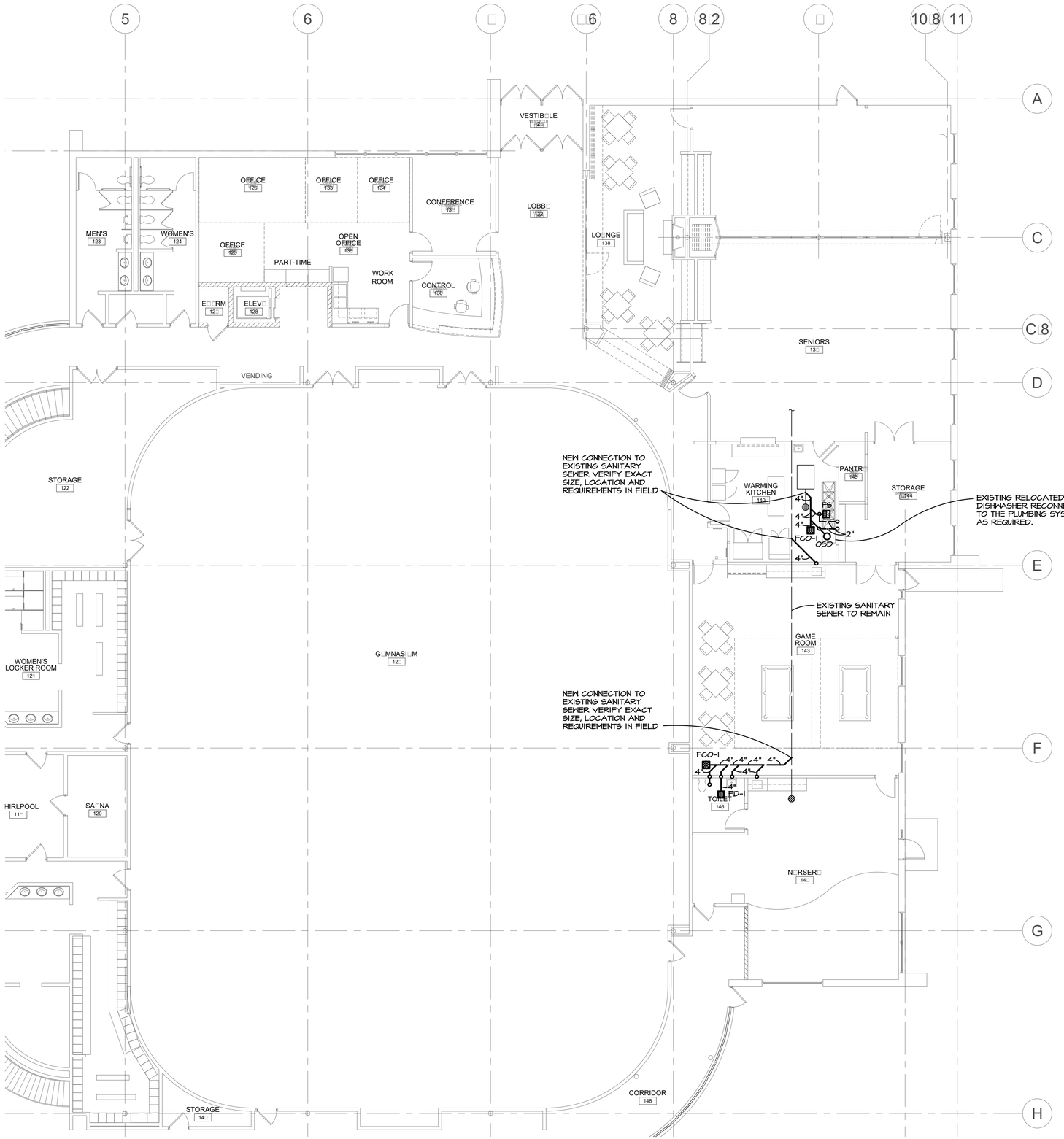

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P1.0

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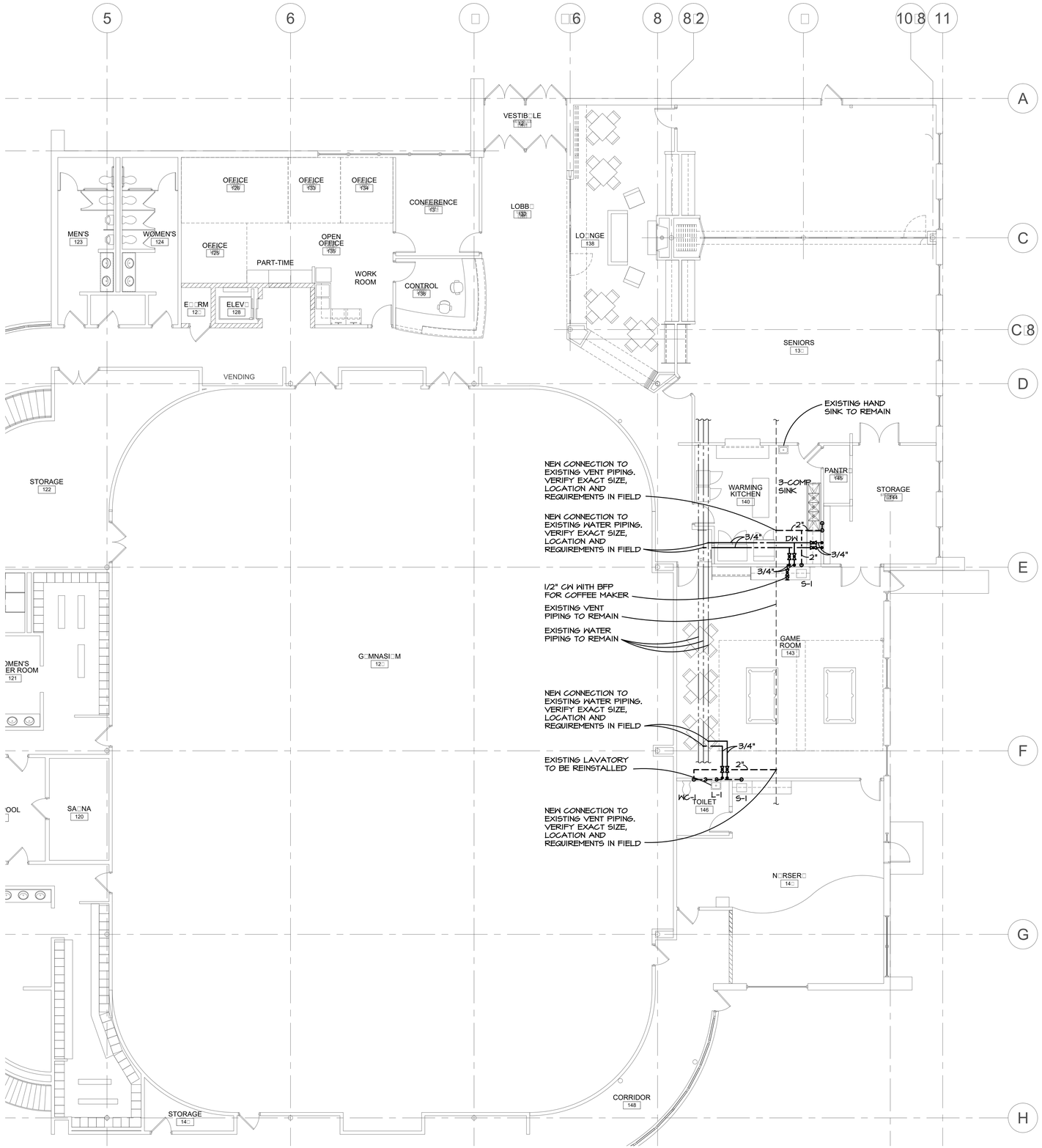

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P1.1

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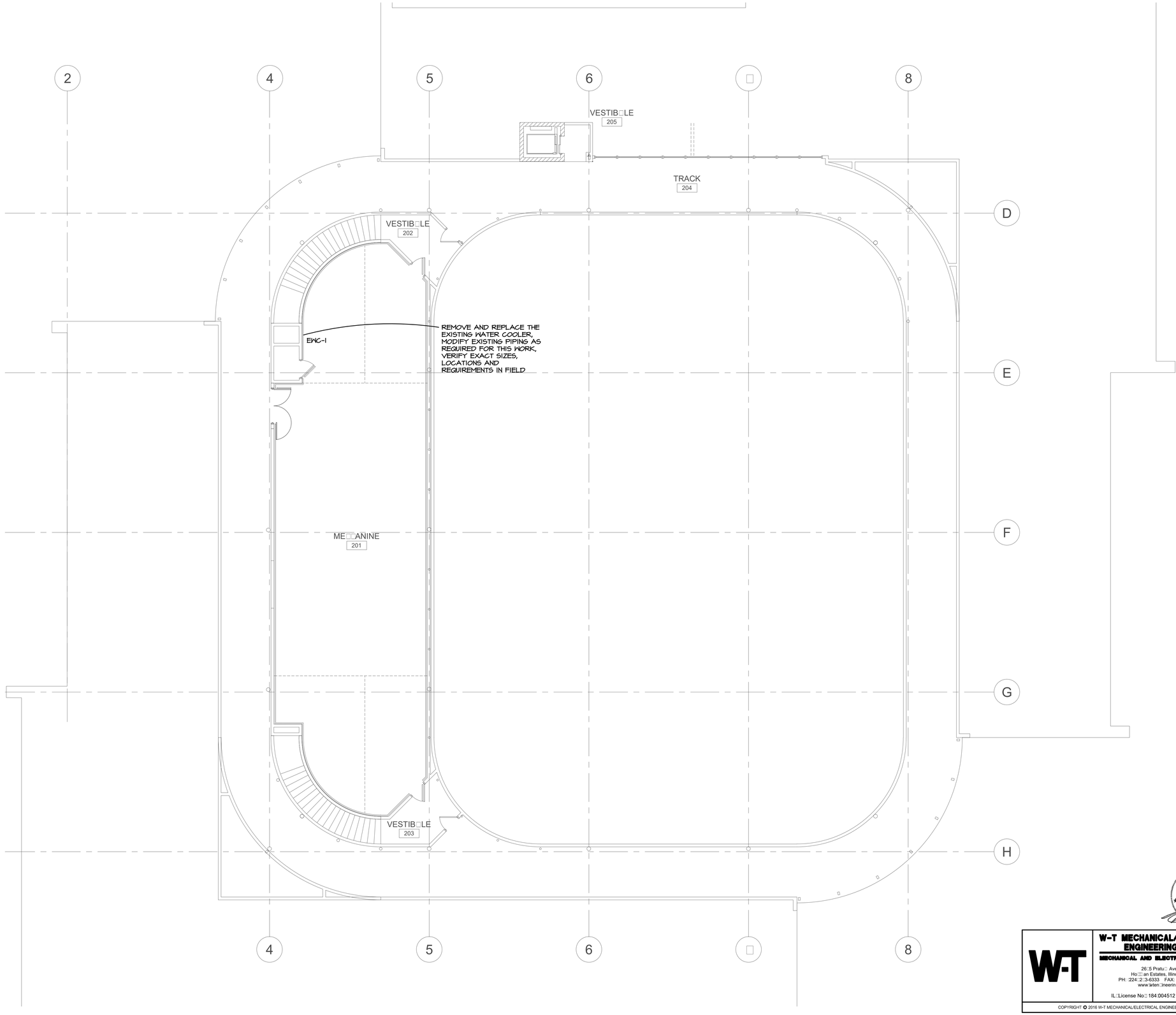

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P1.2

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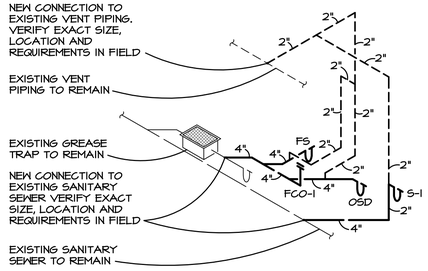


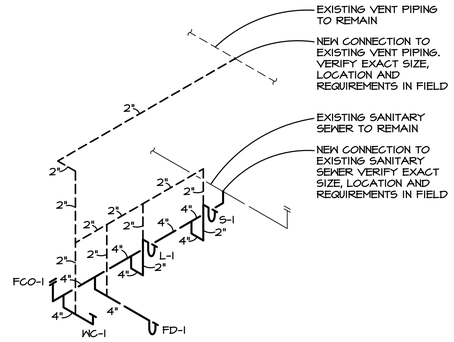
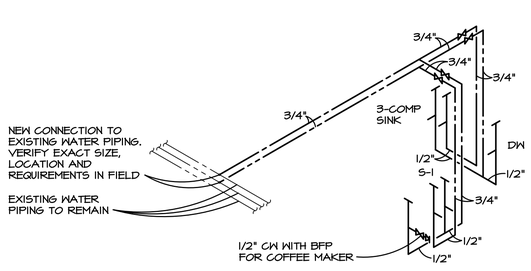


DIAGRAM-WASTE AND VENT PIPING



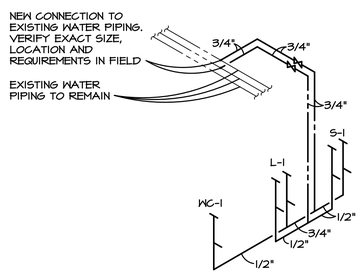


DIAGRAM-WASTE AND VENT PIPING

PLUMBING SPECIFICATIONS

THE GENERAL CONDITIONS AND SUPPLEMENTAL GENERAL CONDITIONS ISSUED BY THE ARCHITECT SHALL GOVERN WHERE APPLICABLE.

THIS CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.

ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST-CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL, ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCES, PRESERVE MAXIMUM HEADROOM, AND AVOID OMISSIONS.

CONTRACTOR TO MAKE ALL NECESSARY TAPS, AS CALLED FOR ON THE DRAWINGS.

THIS CONTRACTOR SHALL REMOVE ALL DEBRIS ON A REGULAR BASIS AND UPON COMPLETION OF THE JOB AND CLEAN ALL FIXTURES.

COVER ALL HOT AND COLD LINES, ROOF DRAINS AND HORIZONTAL DOWNSPOUT PIPING. PIPE COVERING TO BE SHALL BE 3 1/2 LB. DENSITY FIBERGLASS WITH MOLDED FITTINGS AND BUTT JOINTS AND VAPOR BARRIER.

IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO START UP, ADJUST AND CHECK FOR PROPER OPERATION ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT.

THIS CONTRACTOR SHALL ALLOW IN HIS INITIAL BID THE COST OF SERVICE ON ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE OF THE WORK.

ALL WATER PIPING SHALL BE TESTED WITH WATER UNDER PRESSURE OF 100 PSI FOR 10 MINUTES, AND MADE TIGHT AT THIS PRESSURE.

ALL SOIL, WASTE AND VENT PIPING SHALL BE SUBJECTED TO A HYDROSTATIC TEST OF NOT LESS THAN 10 FEET OF WATER COLUMN FOR 15 MINUTES BEFORE INSPECTION STARTS AND PROVEN TIGHT.

BEFORE TURNING PLUMBING SYSTEM OVER TO THE OWNER, CHLORINATE ALL DOMESTIC WATER PIPING FOR A PERIOD OF 24 HOURS. AFTER CHLORINATION HAS BEEN COMPLETED, FLUSH ALL PIPING UNTIL WATER RUNS CLEAR AND IS RESIDUAL CHLORINE FREE.

ALL BELOW GROUND WASTE, VENT AND STORM SEWER PIPING SHALL BE SCHEDULE 40 PVC, ALL ABOVE GROUND WASTE, VENT AND STORM SEWER PIPING 3" AND LARGER SHAL BE SCHEDULE 40 PVC, ALL WASTE VENT AND STORM SEWER PIPING 2" AND SMALL SHALL BE SCHEDULE 40 PVC. ALL BELOW GROUND WATER PIPING 3" AND LARGER SHALL BE DUCTILE-IRON, ALL BELOW GROUND WATER PIPING 2" AND SMALLER SHALL BE TYPE "K" COPPER, ALL ABOVE GROUND WATER PIPING SHALL BE TYPE "L" COPPER.

THE PLUMBING SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH STATE OF ILLINOIS PLUMBING CODE ALL REQUIREMENTS OF THE LOCAL CODES AND ORDINANCES

THE EXISTING GREASE TRAP SHALL BE SERVICED AND REPAIRED AS REQUIRD AS A PART OF THIS PROJECT

PLUMBING SYMBOLS

NOT ALL SYMBOLS MAY APPLY

	EXISTING COLD WATER PIPING
	EXISTING HOT WATER PIPING
	EXISTING HOT WATER RETURN PIPING
	EXISTING UNDERGROUND SEWER
	EXISTING SUSPENDED SEWER
	EXISTING VENT PIPING
	COLD WATER PIPING (INSULATED)
	HOT WATER PIPING (INSULATED)
	HOT WATER RETURN PIPING (INSULATED)
TWS	TEMPERED WATER PIPING (INSULATED)
TWR	TEMPERED WATER RETURN PIPING (INSULATED)
	UNDERGROUND SEWER
	SUSPENDED SEWER
	DRAIN TILE
	VENT PIPING
	UNION
CO	CLEANOUT PLUG
WCO	WALL CLEANOUT PLUG ("MI-FAB" #C1430-RD)
FCO-1	FLOOR CLEANOUT ("MI-FAB" #C1200-C-S-3)
FCO-2	FLOOR CLEANOUT ("MIFAB" #C1000-R-3)
YCO	YARD CLEANOUT ("MI-FAB" #C1100-XR)
FD-1	FLOOR DRAIN ("MI-FAB" #F1100X-C-S-3)
FD-2	FLOOR DRAIN ("MI-FAB" #F1320-TFB-4)
FD-3	FLOOR FUNNEL DRAIN ("MI-FAB" #F1100-C-EF-3)
OSD	OPEN SITE DRAIN
AD	AREA DRAIN ("MI-FAB" #F1820-81)
FS	FLOOR SINK ("MI-FAB" #FS1720-150-1-3) W/ 1/2 GRATE & SEDIMENT BUCKET
RD	ROOF DRAIN ("MI-FAB" #R1200-M-U-12)
OD	OVERFLOW ROOF DRAIN ("MI-FAB" #R1200-W-12)
DSN	DOWNSPOUT NOZZLE ("MI-FAB" #R1940-83-1)
GV	GATE VALVE ("NIBCO" #T-131)
BV	BALL VALVE ("NIBCO" #580-70)
BV	BALANCING VALVE ("NIBCO" #5171O)
CV	CHECK VALVE ("NIBCO" #433)
BFP	BACKFLOW PREVENTER ("WATTS" SERIES 5D-3)
SC	FROSTPROOF SILLCOCK ("WOODFORD" #B65)
HB	HOSE BIBB ("WOODFORD" #24P)
RSC-1	ROOF FROSTPROOF SILLCOCK ("WOODFORD" #5RH-MS)
YH	YARD HYDRANT ("WOODFORD" #54H-5'-0")
TD	TRENCH DRAIN ("MIFAB" #T-1400-P6V-4-3 STAINLESS STEEL FRAME AND GRATE, "MI-FAB" #TI400-CB-620-P6V-4-3 CATCH BASIN)
P/T	STACK OR RISER DESIGNATION

FIXTURE SCHEDULE

WC-1	WATER CLOSET, FLOOR SET, TANK TYPE "AMERICAN-STANDARD" BABY DEVORO #2315.2281 BABY BOWL, WATER ECONOMY, SIPHON JET, ELONGATED RIM, SOLID PLASTIC OPEN FRONT SEAT.
L-1	LAVATORY EXISTING SINK AND FAUCET PROVIDE NEW "MCGUIRE" #PW-2125-WC-PRO OFFSET DRAIN WITH STRAINER, 1/2" SUPPLIES WITH STOPS, "SMITH" #100 LAVATORY SUPPORT, MOUNT A CHILDRENS HEIGHT 22" A.F.F. VERIFY HEIGHT WITH OWNER
S-1	SINK INTEGRAL WITH COUNTERTOP BY OTHERS, "SYMMONS" #S-23 SYMMETRIX SINGLE LEVER FAUCET, #LK-99 DRAIN OUTLET, 1/2" SUPPLIES WITH STOPS AND "MI-FAB" #MI-SOLIDS, SOLIDS INTERCEPTOR
THREE COMP SINK	3-COMPARTMENT SINK "ELKAY" #3C16X20-2-18X WITH "ELKAY" #LK945DS2012T SWIVELSPOUT FAUCET AND WASTE FITTINGS, STAINLESS STEEL LEGS AND 1/2" SUPPLIES AND STOPS
EWC-1	ELECTRIC BOTTLE FILLING STATION (HANDICAP) "ELKAY" #LZWSGRN(M)8K RECESSED, 8.0 GPH RATED CAPACITY, 280 WATTS, 1 PHASE, 120V., 1/2" SUPPLY WITH STOP AND 1-1/2" C.P. "P" TRAP

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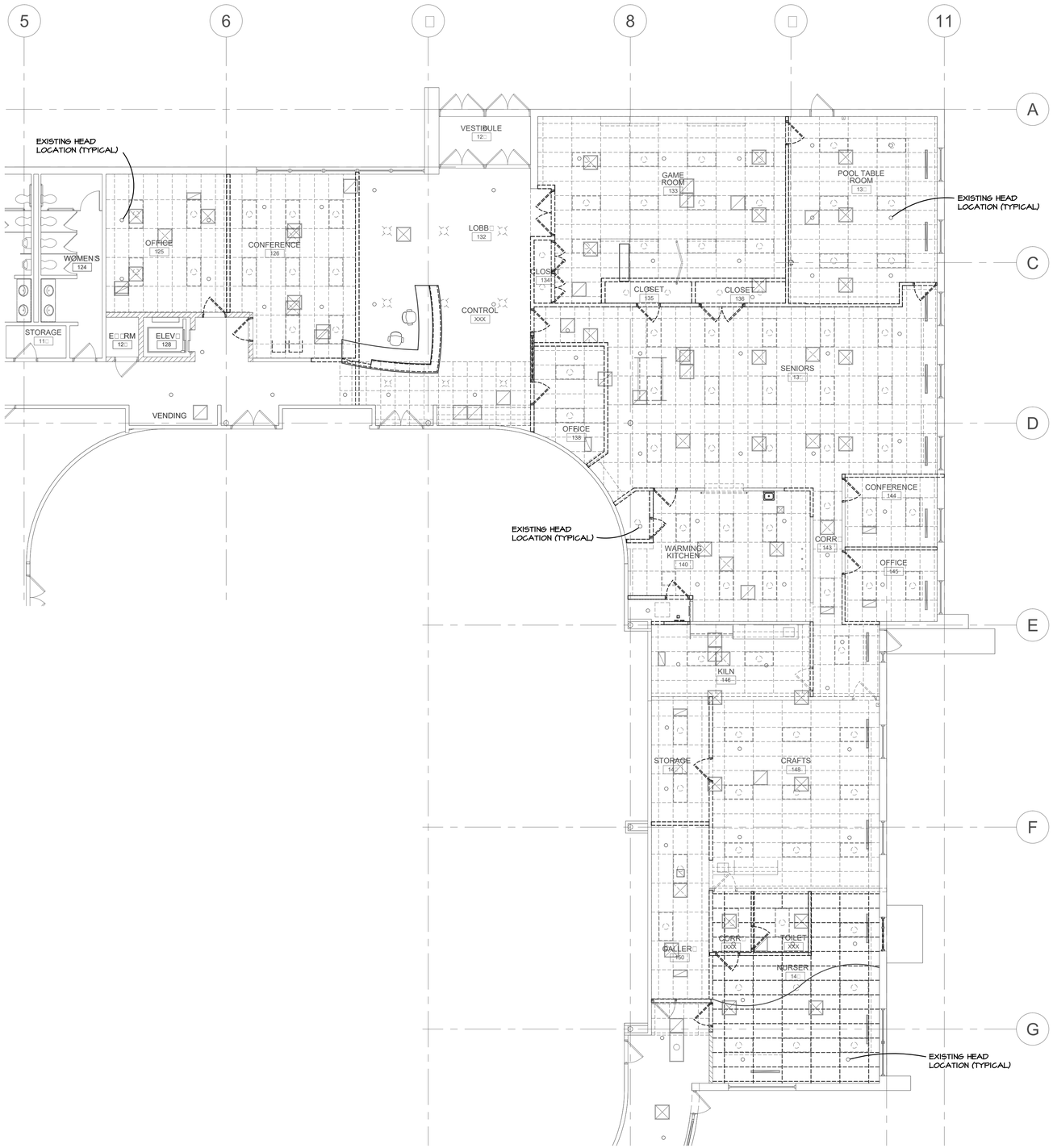
PL□MBING S□MBOLS, SCHED□LES, DIAGRAMS AND DETAILS

P2.1



FIRE PROTECTION DEMOLITION PLAN

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

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FIRE PROTECTION DEMOLITION PLAN

FPD1.1

NOTE: SEMI RECESSED SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILES IN BOTH DIRECTIONS

CONCEALED SPRINKLER DETAIL

SPRINKLER SPECIFICATIONS

THE GENERAL CONDITIONS AND SUPPLEMENTAL GENERAL CONDITIONS ISSUED BY THE ARCHITECT SHALL GOVERN WHERE APPLICABLE.

THIS CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.

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THIS CONTRACTOR SHALL REMOVE ALL DEBRIS ON COMPLETION OF THE JOB AND CLEAN ALL FIXTURES.

IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO START-UP, ADJUST AND CHECK FOR PROPER OPERATION, ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

THIS CONTRACTOR SHALL ALLOW IN HIS INITIAL BID THE COST OF SERVICE ON ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL INSPECTION OF THE WORK.

THIS CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ ENGINEER, OWNERS INSURANCE UNDERWRITER, AND LOCAL FIRE DEPARTMENT FOR APPROVAL COMPLETE INSTALLATION AND DESIGN DRAWINGS SHOWING THE SPRINKLER SYSTEM LAYOUTS. THE LAYOUT SHALL INDICATE ALL OF THE SPRINKLER PIPING, SPRINKLER HEAD LOCATIONS AND DETAILS OF ANCHORS AND SUPPORTS AS REQUIRED.

THE SPRINKLER SYSTEM SHALL BE LAID OUT TO ELIMINATE ALL CONFLICTS BETWEEN THE SPRINKLER SYSTEM AND THE STRUCTURE INCLUDING THE MECHANICAL AND ELECTRICAL SYSTEMS AS THEY ARE SHOWN ON THE CONTRACT DRAWINGS.

THE LAYOUT SHALL INDICATE COORDINATION BETWEEN SUCH ITEMS AS DUCTWORK, LIGHTS, STRUCTURAL MEMBERS, ETC. PIPE FOR ABOVE GRADE SHALL BE NEW SCHEDULE 40 FOR BRANCHES AND SCHEDULE 10 FOR MAINS, STANDARD WEIGHT STEEL DESIGNED FOR 175 LB. WORKING PRESSURE, CONFORMING TO A.S.A. B36.10 MANUFACTURED IN THE U.S.

FITTINGS SHALL BE NEW 125 LB. CAST IRON SCREWED OR FLANGED CONFORMING TO A.S.A. B16.4, MANUFACTURED IN THE U.S. AND APPROVED FOR FIRE PROTECTION SPRINKLER SYSTEMS.

THE SPRINKLER RISERS, MAINS AND BRANCH PIPING SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, USING APPROVED TYPE STEEL HANGERS, BRACKETS, ANCHORS AND STUDS, OF SIZE AND NUMBER IN ACCORDANCE WITH N.F.P.A. #13.

THE SPRINKLER SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH PAMPHLET 13 OF THE NATIONAL FIRE PROTECTION ASSOCIATION AND ALL REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT AND OWNER'S INSURANCE UNDERWRITER.

ALL PIPING ABOVE GRADE SHALL BE HYDROSTATICALLY TESTED AT 200 PSIG FOR A TWO-HOUR PERIOD IN ACCORDANCE WITH N.F.P.A. #24.

CONTRACTOR IS RESPONSIBLE FOR SPACING, PIPE SIZE, OFFSETS, CLEARANCES, VALVES, ELBOWS, HANGERS, ALL ACCESSORIES AND QUANTITIES FOR ALL.

THIS CONTRACTOR SHALL DESIGN AND INSTALL A COMPLETE SPRINKLER SYSTEM PER NFPA AND LOCAL CODES

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RENEWAL 11/30/2017

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FIRE PROTECTION PLAN

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