BROWNSTOWN TOWNSHIP COMMUNITY CENTER RENOVATION & ADDITION

21311 TELEGRAPH ROAD, BROWNSTOWN TWP., MICHIGAN 48183

100% CONSTRUCTION DOCUMENT OWNER REVIEW

PROJECT DESCRIPTION

THIS PROJECT ENTAILS THE RENOVATION AND EXPANSION OF THE BROWNSTOWN COMMUNITY CENTER.

SITE IMPROVEMENTS/ALTERATIONS WILL INCLUDE NEW WALKWAYS AND LANDSCAPING.

ZONING INFORMATION

CURRENT ZONING:	TOWN CENTER
PROPOSED ZONING:	TOWN CENTER
SETBACKS:	N/A
EXISTING PARKING:	98 TOTAL (4 H.C. SPACES PROVIDED) 1 SPACE PER 200 S.F. OF USABLE AREA. 4 BF SPACES REQUIRED.
REQUIRED PARKING:	13,093 S.F. / 200 S.F. = 66 REQUIRED SPACES

PLUMBING FIXTURES

MCP CHAPTER 4

ASSEMBLY AREAS:	436; 216 M, 216 F	WC: 1 PER 125 M, 1 PER 65 F; LAV: 1 PER 200
B AREAS:	86; 43 M, 43 F	WC: 1 PER 25 UP TO 50 PLUS 1 PER 50 M AND F; LAV 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80

	WC			LAVATORY		DF	SERV. SINK
OCCUPANCY GROUP	M	F	U	M	F		
A-3	2	4		1	1	1	1
B	2	2		2	2	1	
REQ'D FIXTURE COUNT	4	6		3	3	1	1
ACTUAL FIXTURE COUNT	5	6	1	4	4	1	1

CODE SUMMARY

CODE:	2015 MICHIGAN BUILDING CODE 2021 MICHIGAN PLUMBING CODE 2021 MICHIGAN MECHANICAL CODE 2023 MICHIGAN ELECTRICAL CODE BARRIER FREE ICC/ANSI 117.1 (2009) 2015 MICHIGAN ENERGY CODE/ASHRAE 90.1-2013 2015 MICHIGAN REHABILITATION CODE
USE GROUP:	NON-SEPARATED GROUP A-3: ASSEMBLY GROUP B: BUSINESS
CONSTRUCTION TYPE: ALLOWABLE AREA:	111B 38,000 S.F. (A-3) M.B.C. TABLE 506.2
ALLOWABLE HEIGHT: OCCUPANT LOAD:	2 STORIES; 75' -0" 6535 (ASSEMBLY; BANQUET AND SENIOR ROOMS) X $\frac{1}{15}$ NET AREA = 436 8505 BUSINESS X $\frac{1}{100}$ GROSS = 86 TOTAL = 522
OCCUPANCY SEPARATION:	N/A
FIRE SUPPRESSION:	FULLY SUPPRESSED
EGRESS TRAVEL:	REFER TO LIFE SAFETY PLAN
PLUMBING FIXTURES:	SEE ATTACHED SHEET

PROJECT DATA

PROPERTY ADDRESS:	21311 TELEGRAPH RD
PROPERTY OWNER:	CHARTER TWP OF BROWNSTOWN
PROPERTY USER/TENANT:	CHARTER TWP OF BROWNSTOWN
CURRENT BUILDING SIZE:	13,093 S.F.
PROPOSED BUILDING SIZE:	16,791 S.F.
CURRENT USE:	COMMUNITY CENTER
PROPOSED USE:	COMMUNITY CENTER

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL, STATE, AND COUNTY CODES / ORDINANCES AND BUILDING REGULATIONS OF THE CITY OF FERNDALE / OSHA / AND THE INSTRUCTIONS OF INSPECTING AUTHORITIES.
2. THE GENERAL CONTRACTOR (GC) SHALL VISIT THE PREMISES AND SHALL BECOME THOROUGHLY FAMILIAR WITH THE CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
3. THE OWNER SHALL CONFIRM THE GENERAL CONTRACTORS (GC) SCOPE OF WORK.
4. THE GC SHALL PROMPTLY NOTIFY THE OWNER AND ARCHITECT OF ANY AMBIGUITY, INCONSISTENCY OR ERROR WHICH HE MAY DISCOVER UPON EXAMINATION OF THE DOCUMENTS OR OF THE SITE.
5. GC SHALL INCLUDE COSTS OF ALL PERMITS AND RELATED FEES.
6. ALL PRODUCT/MATERIAL SUBSTITUTIONS SHALL BE APPROVED BY ARCHITECT/OWNER.
7. DO NOT SCALE DRAWINGS, USE ONLY THE DIMENSIONS PROVIDED.
8. FIELD VERIFY ALL DIMENSIONS. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS, MATERIAL QUANTITIES AND EXTENT OF THE CONSTRUCTION WORK SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PERFORM THE WORK TO MEET FIELD CONDITIONS ENCOUNTERED.
9. GC SHALL BE RESPONSIBLE FOR SAFETY ON THIS PROJECT, INCLUDING ALL NECESSARY SIGNS, BARRIERS AND SUPERVISION.
10. GC SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, TOOLS, TRANSPORTATION, ETC, FOR A COMPLETE & PROPER COMPLETION OF THE PROJECT AS INDICATED ON THE DRAWINGS & AS SPECIFIED HEREIN.
11. DURING CONSTRUCTION, GC SHALL MAINTAIN EXISTING MEANS OF EGRESS AND PASSAGEWAYS CLEAR OF OBSTRUCTIONS. TAKE ALL PRECAUTIONS NECESSARY TO INSURE THE SAFETY OF THE GENERAL PUBLIC AND WORKERS.
12. GC SHALL BE RESPONSIBLE TO PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY FROM DAMAGE DURING CONSTRUCTION.
13. COORDINATION AND SEQUENCE OF CONSTRUCTION IS THE RESPONSIBILITY OF THE GC.
14. THE LOCATION OF ALL UTILITIES INDICATED HEREIN ARE APPROXIMATE ONLY AND WERE LOCATED FROM SOURCES BELIEVED TO BE RELIABLE, BUT NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO LOCATION. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATION AS TO THE EXTENT OF THESE OR OTHER UTILITIES, AND SHALL BE RESPONSIBLE FOR PROTECTION AND RESTORATION OF SAME IF DAMAGED AS A RESULT OF HIS OPERATIONS.
15. OWNER SHALL HAVE FIRST CLAIM TO ALL SALVAGEABLE ITEMS.
16. GC SHALL CONSULT WITH OWNER REGARDING STORAGE OF ON SITE MATERIALS AND ACCESS TO SITE.
17. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT.
18. ALL EXISTING CONSTRUCTION, EQUIPMENT AND FINISHES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
19. GC SHALL PERFORM ALL DEMOLITION REQUIRED FOR INSTALLATION OF NEW ITEMS. FIELD VERIFY ITEMS TO BE DEMOLISHED. ANY DISCREPANCIES OR QUESTIONABLE ITEMS SHOULD BE BROUGHT TO THE OWNER/ARCHITECT'S ATTENTION. GC SHALL REMOVE ALL DEBRIS FROM SITE AND LEGALLY DISPOSE OF.
20. GC SHALL PROVIDE A WRITTEN GUARANTEE THAT WILL BE MADE GOOD AT GC'S OWN EXPENSE FOR ANY IMPERFECTIONS IN MATERIAL AND/OR WORKMANSHIP WHICH MY DEVELOP WITHIN (1) ONE YEAR FROM FINAL ACCEPTANCE. FURTHER, THIS GC SHALL OBTAIN WRITTEN GUARANTEES FROM ALL MANUFACTURERS STATING ON WHAT OPERATING CONDITIONS & PERFORMANCE CAPACITIES EACH EQUIPMENT PIECE GUARANTEE IS BASED.

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A-903	OVERALL FLOOR FINISH PLAN	

ALTERNATES

ALTERNATE NO. 1:	ADD BALLISTIC GLASS (LEVEL 3) AT THE RECEPTION DESK IN LIEU OF TEMPERED GLASS. DEDUCT COST FOR TEMPERED GLASS/POST.
ALTERNATE NO. 2:	DEDUCT CONCRETE WALKWAYS AS SHOWN ON AS-100 AND AS-101.

SHEET INDEX

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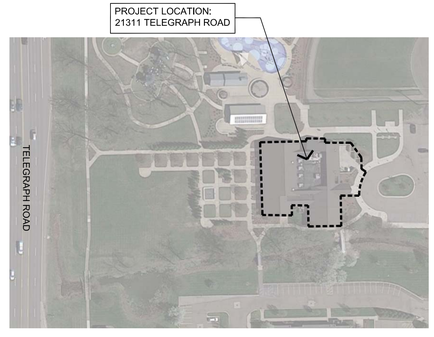

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LOCATION MAP

SCALE: NONE

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
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Sheet Title:
COVER SHEET / SHEET INDEX / PROJECT LOCATION

Project Number: 24361.A

Sheet Number: CS-001

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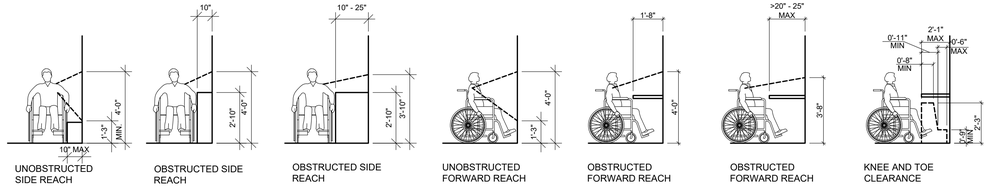
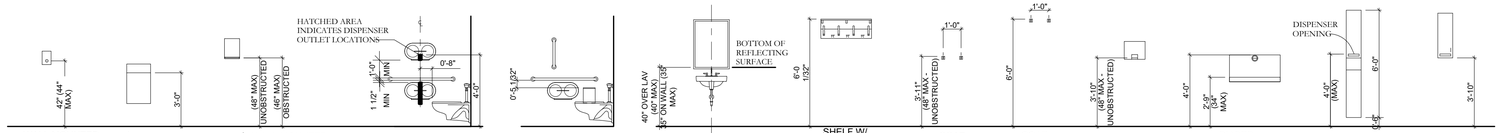
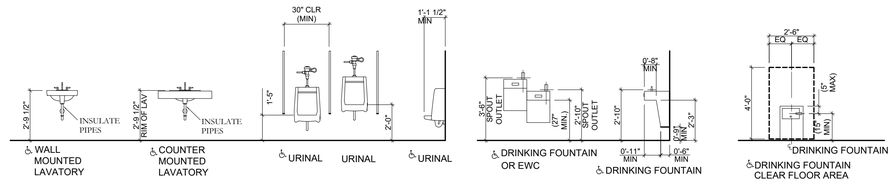
\\SGFS3\Engineer--Project\2024 Project Files\24361 Brownstown - Remodel and Addition\CAD\06 Architectural and Design\SHEETS\Brownstown CS-001 COVER SHEET.dwg Fri, 20 Dec 2024 - 12:51pm



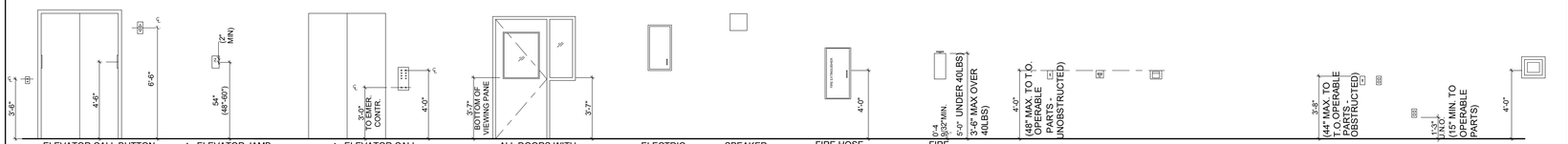
UNOBSTRUCTED SIDE REACH | OBSTRUCTED SIDE REACH | OBSTRUCTED SIDE REACH | UNOBSTRUCTED FORWARD REACH | OBSTRUCTED FORWARD REACH | OBSTRUCTED FORWARD REACH | KNEE AND TOE CLEARANCE



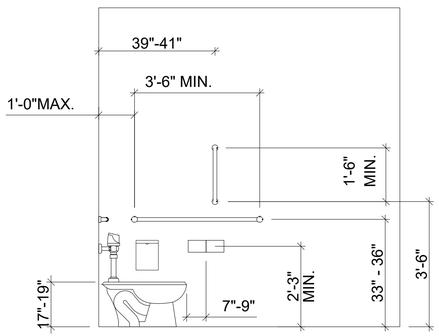
WALL MOUNTED SOAP DISPENSER | WALL MOUNTED PAPER TOWEL DISPOSAL | WALL MOUNTED PAPER TOWEL DISPENSER | JUMBO ROLL TOILET PAPER DISPENSER | SANITARY NAPKIN DISPOSAL | FRAMED MIRROR | SHELF W/ HOOKS AND MOP HOLDERS | COAT HOOKS | COAT HOOKS | HAND DRYER | DIAPER CHANGING STATION | TOWEL DISPENSER AND DISPOSAL | SANITARY NAPKIN DISPENSER



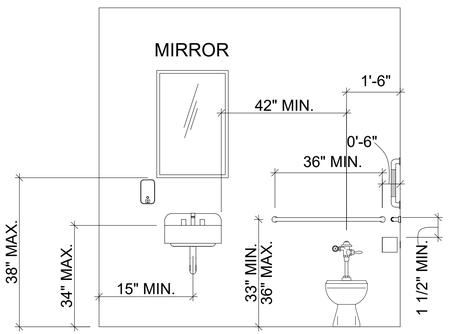
WALL MOUNTED LAVATORY | COUNTER MOUNTED LAVATORY | URINAL | URINAL | URINAL | DRINKING FOUNTAIN OR EWC | DRINKING FOUNTAIN | DRINKING FOUNTAIN CLEAR FLOOR AREA



ELEVATOR CALL BUTTON, SIGNALS AND SIGNS | ELEVATOR JAMB DESIGNATIONS | ELEVATOR CALL CAR CONTROLS | ALL DOORS WITH VISION LIGHTS OR SIDELIGHTS | ELECTRIC PANEL OR CABINET | SPEAKER FIRE ALARM OR STROBE | FIRE HOSE, EXTINGUISHER OR COMBINATION CABINET | FIRE EXTINGUISHER | SWITCH | FIRE ALARM PULL BOX | THERMOSTAT | SWITCH OR WALL OUTLET ABOVE COUNTER | WALL OUTLET | AUTOMATED EXTERNAL DEFIBRILLATOR



GRAB BARS & RESTROOM LAYOUT



GRAB BARS & RESTROOM LAYOUT

ABBREVIATION LEGEND

A

@	AT
ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISH FLOOR
ALUM.	ALUMINUM

B

BF	BARRIER FREE

C

CL	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
CT	CERAMIC TILE
CJ	CONTROL/CONSTRUCTION JOINT

D

DEMO	DEMOLITION
DIA	DIAMETER
DF	DRINKING FOUNTAIN
DN	DOWN
DO	DOOR OPENING
DS	DOWN SPOUT

E

ELEV	ELEVATION
EQ	EQUAL
EWC	ELECTRIC WATER COOLER
EXP	EXPANSION

F

FD	FLOOR DRAIN
FIN	FINISH/FINISHED
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FLR	FLOOR
FND	FOUNDATION
FRP	FIBERGLASS REINFORCED PANEL(S)
FT	FOOT/FEET

G

GALV	GALVINIZE (D)
GYP BD	GYPSUM BOARD
GA	GAUGE

H

HSS	HOLLOW STRUCTURAL STEEL
HP	HIGH POINT
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT

I

ID	INSIDE DIAMETER
IN	INCH/INCHES
INSUL	INSULATED

J

K

L

LAV	LAVATORY
LF	LINEAR FOOT/FEET
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT

M

MAX	MAXIMUM
MISC	MISCELLANEOUS
MEZZ	MEZZANINE
MIN	MINIMUM
MO	MASONRY OPENING

N

NIC	NOT IN CONTRACT
N/A	NOT APPLICABLE
NO/ #	NUMBER
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER
OHC	OVERHEAD COILING DOOR

P

PEMB	PRE-ENGINEERED METAL BUILDING
PERM	PERIMETER
PL	PLATE
PLAM	PLASTIC LAMINATE
PRE-FIN	PRE FINISHED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT

Q

R

R	RADIUS
RD	ROOF DRAIN
REIN	REINFORCING
RO	ROUGH OPENING
REF	REFERENCE

S

SCHED	SCHEDULE
SOH	SECTIONAL OVERHEAD DOOR
SHT	SHEET
STL	STEEL

T

TEMP	TEMPORARY
THRESH	THRESHOLD
TOS	TOP OF STEEL
TYP	TYPICAL

U

UNO	UNLESS NOTED OTHERWISE

V

VCT	VINYL COMPOSITION TILE
VERT	VERTICAL

W

W/	WITH
WB	WALL BASE
WD	WOOD
WG	WIRED GLASS
WWF	WELDED WIRE FABRIC

X

Y

Z

SYMBOL LEGEND

DET. / SHEET TITLE SCALE: NTS — DETAIL REFERENCE

DET. / SHEET TITLE SCALE: NTS — DRAWING REFERENCE

X / X-XXX SIM — SECTION REFERENCE

1 / SHEET# — INTERIOR ELEVATION

1 / A101 SIM — PLAN DETAIL

-.- — COLUMN

N — NORTH ARROW

ROOM NAME HERE / 100 — ROOM NUMBER

DOOR — DOOR NUMBER

HT — CEILING

X — PARTITION TYPE

X — WINDOW

℄ — CENTER LINE

SEE SHEET: A - 101 — MATCHLINE

X / X-XXX — ELEVATION

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
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ABBREVIATIONS / SYMBOLS / MOUNTING HEIGHTS

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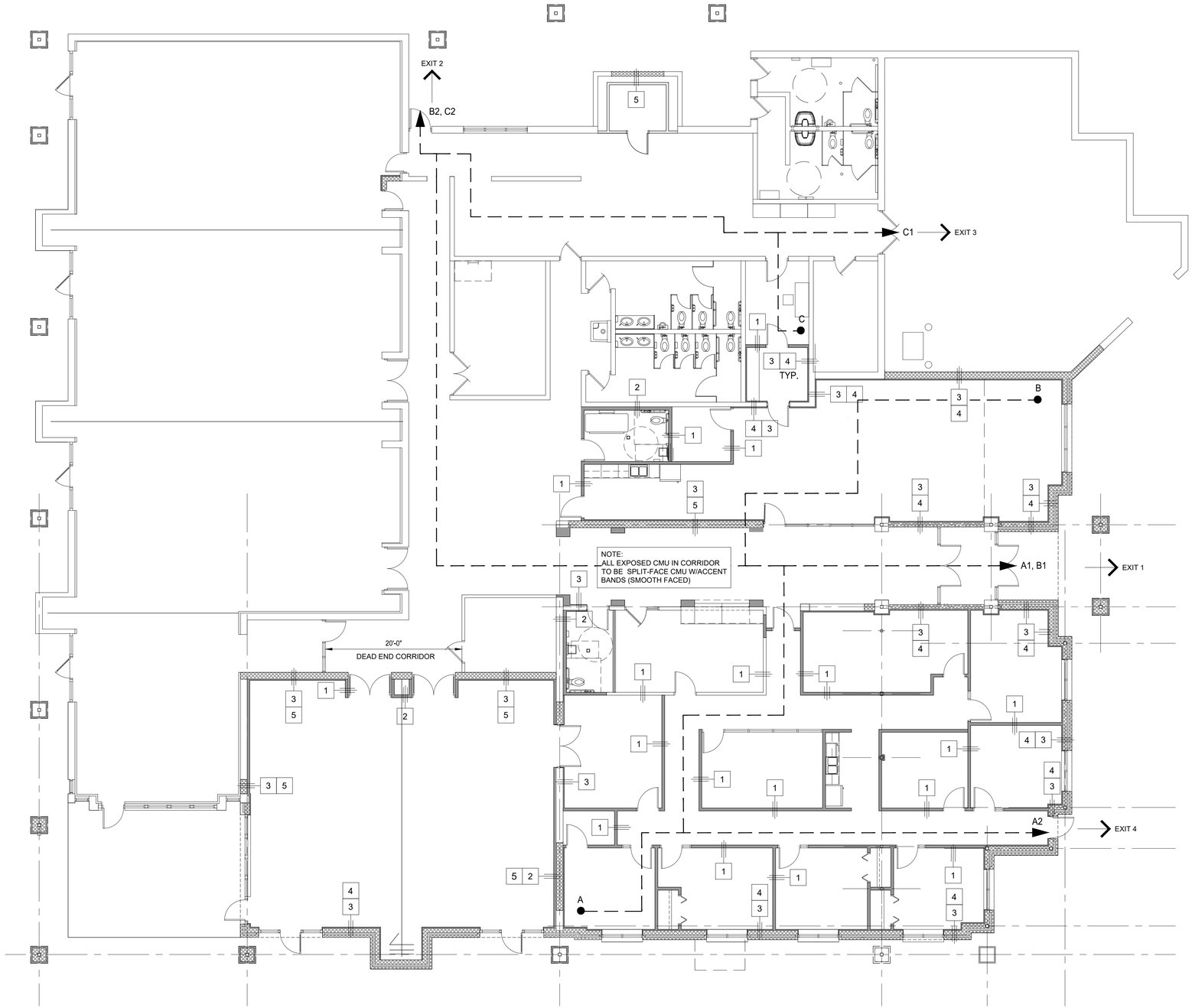

1 LS-100 LIFE SAFETY PLAN
SCALE: 1/8"=1'-0"

WALL TYPES

PROPOSED WALLS

3-5/8" STUD WALLS

1. 3-5/8" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO UNDERSIDE OF DECK ABOVE FINISH CEILING W/ (1) LAYER 5/8" GYP. BD. EA SIDE W/ SOUND ATTENUATING UNFACED BATT INSULATION WITHIN CAVITIES (FULL HEIGHT).
2. 3-5/8" MTL. STUDS @ 16" O.C. FROM FIN. FLR. TO UNDERSIDE OF DECK ABOVE FINISHED CEILING W/ (1) LAYER 5/8" GYP. BD. ONE SIDE W/ SOUND ATTENUATING UNFACED BATT INSULATION WITHIN CAVITIES (FULL HEIGHT).

INTERIOR FURRING

3. 1-1/2" MTL. FURRING STUDS @ 16" O.C. ON FACE OF MASONRY WALL TO 8" ABOVE FINISH CEILING W/ (1) LAYER 5/8" GYP. BD. ON INTERIOR. NOTE: FILL CAVITIES W/ 1.5" RIGID INSULATION AT EXTERIOR WALLS. NOTE: USE GREEN BOARD WITHIN WET ROOM LOCATIONS.

CMU WALLS

4. 8" CMU WALL. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
5. 12" CMU WALL. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

TRAVEL DISTANCE

ORIGIN POINT	ROUTES	
A	A1 = 114'-11	A2 = 77'-6"
B	B1 = 103'-10"	B2 = 178'-9"
C	C1 = 32'-5"	C2 = 84'-9"

NOTE: ALL DISTANCES MUST BE 250' OR LESS TO MEET CODE REQUIREMENTS.

Sidock Group
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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Sheet Title:
LIFE SAFETY PLAN

Project Number: 24361.A

Sheet Number: LS-100

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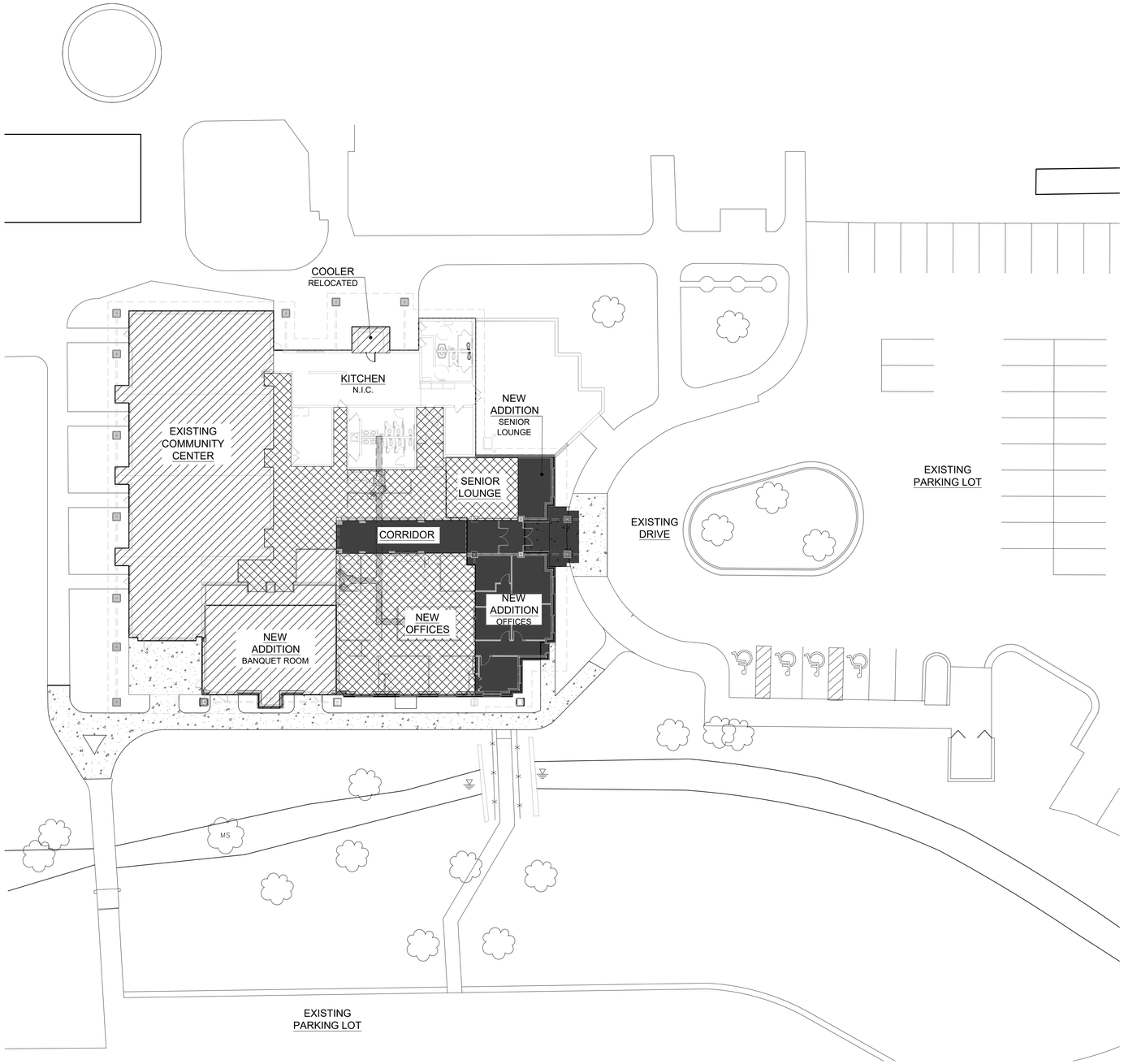

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PHASE PLAN

SCALE: 1" = 20'-0"

LEGEND

- PHASE 1
- PHASE 2
- PHASE 3

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PHASE PLAN

Project Number: 24361.A

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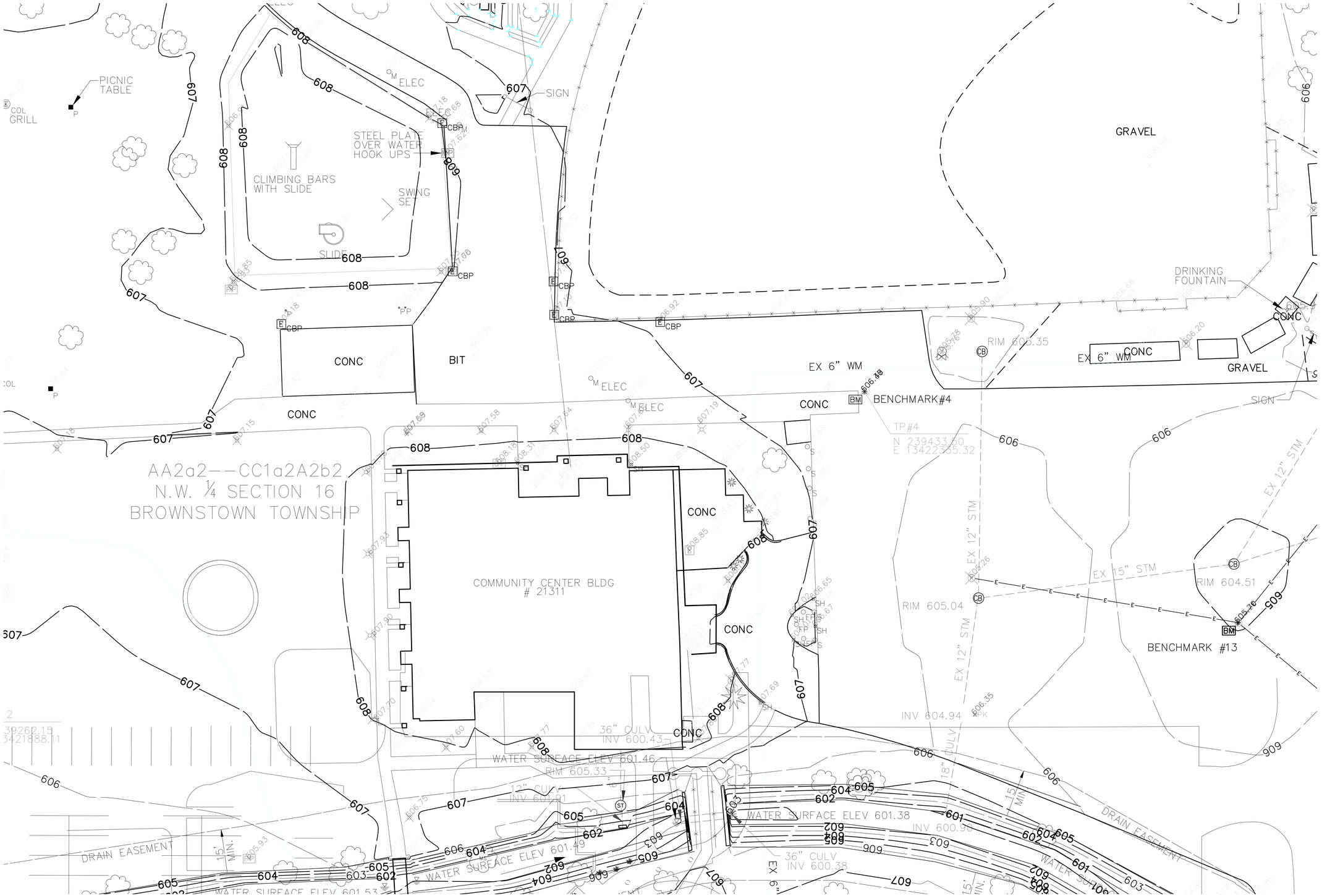

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EXISTING TOPOGRAPHY PLAN

SCALE: 1" = 20'-0"

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08/09/2025	DESIGN DEVELOPMENT
11/05/2024	PROGRESS SET
12/09/2024	90% OWNER REVIEW
12/20/2024	100% CD

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Checked:	KN
Approved:	MR

Sheet Title:
EXISTING TOPOGRAPHY PLAN

Project Number: 24361.A

Sheet Number: C-100

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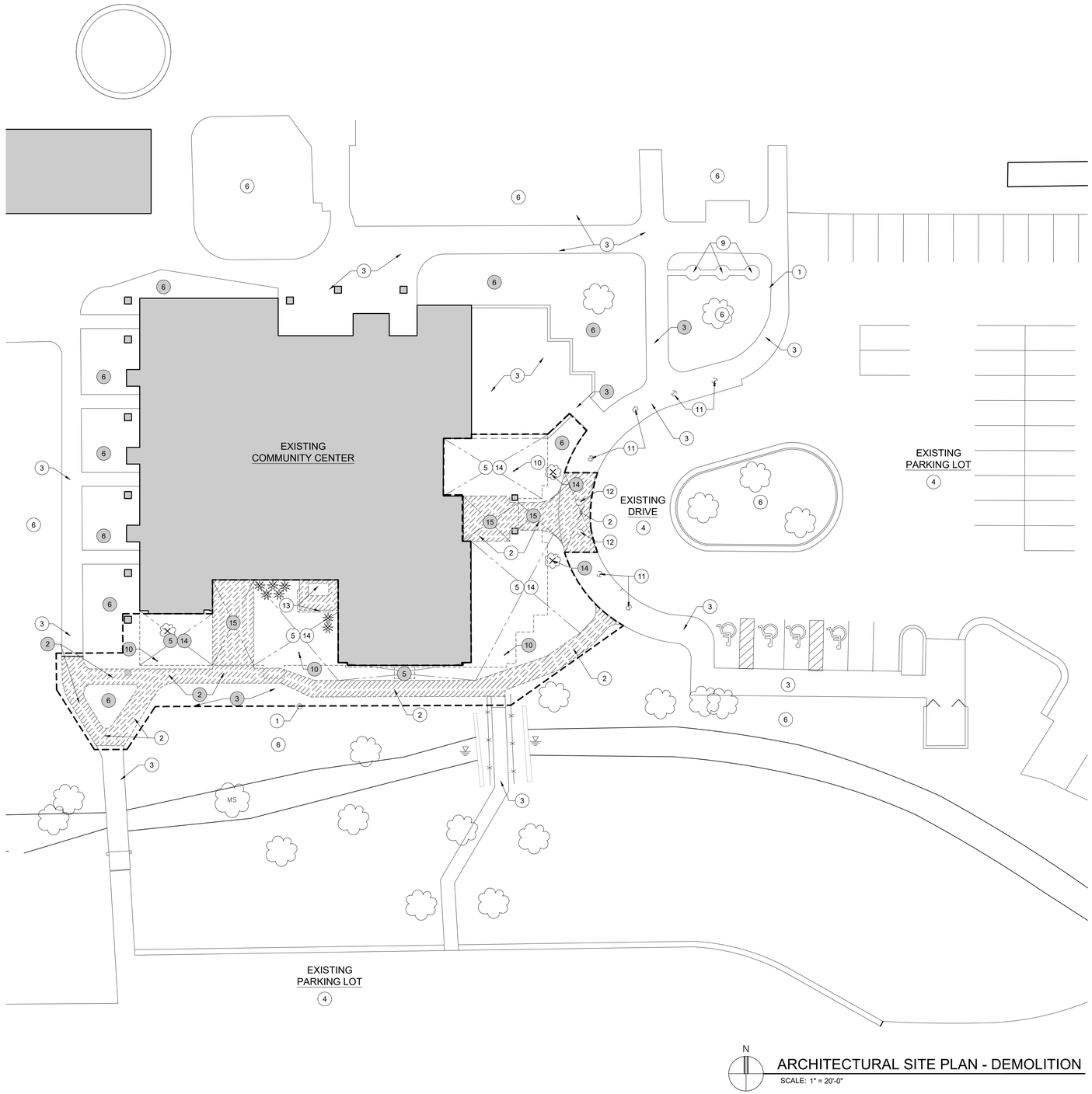

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ARCHITECTURAL SITE PLAN - DEMOLITION

SCALE: 1" = 20'-0"

LEGEND:

X →	KEY NOTE
	ITEM TO BE REMOVED

GENERAL NOTES:

A. REFER TO SHEET C-121 FOR DETAILED SITE DIMENSIONS AND ADDITIONAL INFORMATION.

B. REFER TO SHEET C-130 FOR GRADING PLAN.

C. REFER TO SHEET C-140 FOR SITE UTILITIES PLAN.

D. REFER TO SHEET L-100 FOR LANDSCAPE PLAN.

E. REFER TO ARCHITECTURAL AND MEP PLANS FOR FURTHER INFO.

F. CONTRACTOR TO PROTECT EXISTING WALKS, PAVEMENT, CURBS, GUTTERS, WALLS, FENCES, GATES, LANDCAPING AND TREES TO REMAIN DURING CONSTRUCTION.

DEMOLITION SITE PLAN NOTES:

1. MAJORITY OF DEMOLITION WORK TO BE CONTAINED WITHIN DASHED BOUNDARY.
2. ALTERNATE NO. 2: REMOVE EXISTING CONCRETE SIDEWALK FULL DEPTH. SAWCUT FULL DEPTH TO NEAREST JOINT WHERE NEW PAVEMENT WILL BE PLACED TO EXISTING SIDEWALK.
3. EXISTING CONCRETE SIDEWALK TO REMAIN.
4. EXISTING ASPHALT PAVEMENT TO REMAIN.
5. REMOVE EXISTING GRASS/LAWN AND LANDSCAPING FOR NEW CONSTRUCTION.
6. EXISTING GRASS/LAWN AREA TO REMAIN.
7. REMOVE EXISTING SCREEN WALL, CONCRETE SLAB AND MECHANICAL UNIT COMPLETELY.
8. NOT USED
9. EXISTING FLAGPOLES TO REMAIN.
10. REMOVE EXISTING LIGHT POLE AND CONCRETE BASE.
11. EXISTING BOLLARDS TO REMAIN.
12. EXISTING BOLLARDS TO BE REMOVED COMPLETE.
13. REMOVE EXISTING MASONRY SCREEN WALL AND FOUNDATION. EXISTING MECHANICAL UNIT AND CONCRETE SLAB TO BE DEMOLISHED COMPLETELY. COORDINATE WITH CONTRACTOR.
14. REMOVE LANDSCAPING
15. REMOVE EXISTING CONCRETE WALKWAY COMPLETE.

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
Lansing • Gaylord • Sault Ste. Marie
Williamsport, PA • Tampa, FL
www.sidockgroup.com

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Sheet Title:
ARCHITECTURAL SITE PLAN - DEMOLITION

Project Number: 24361.A

Sheet Number: AS-100

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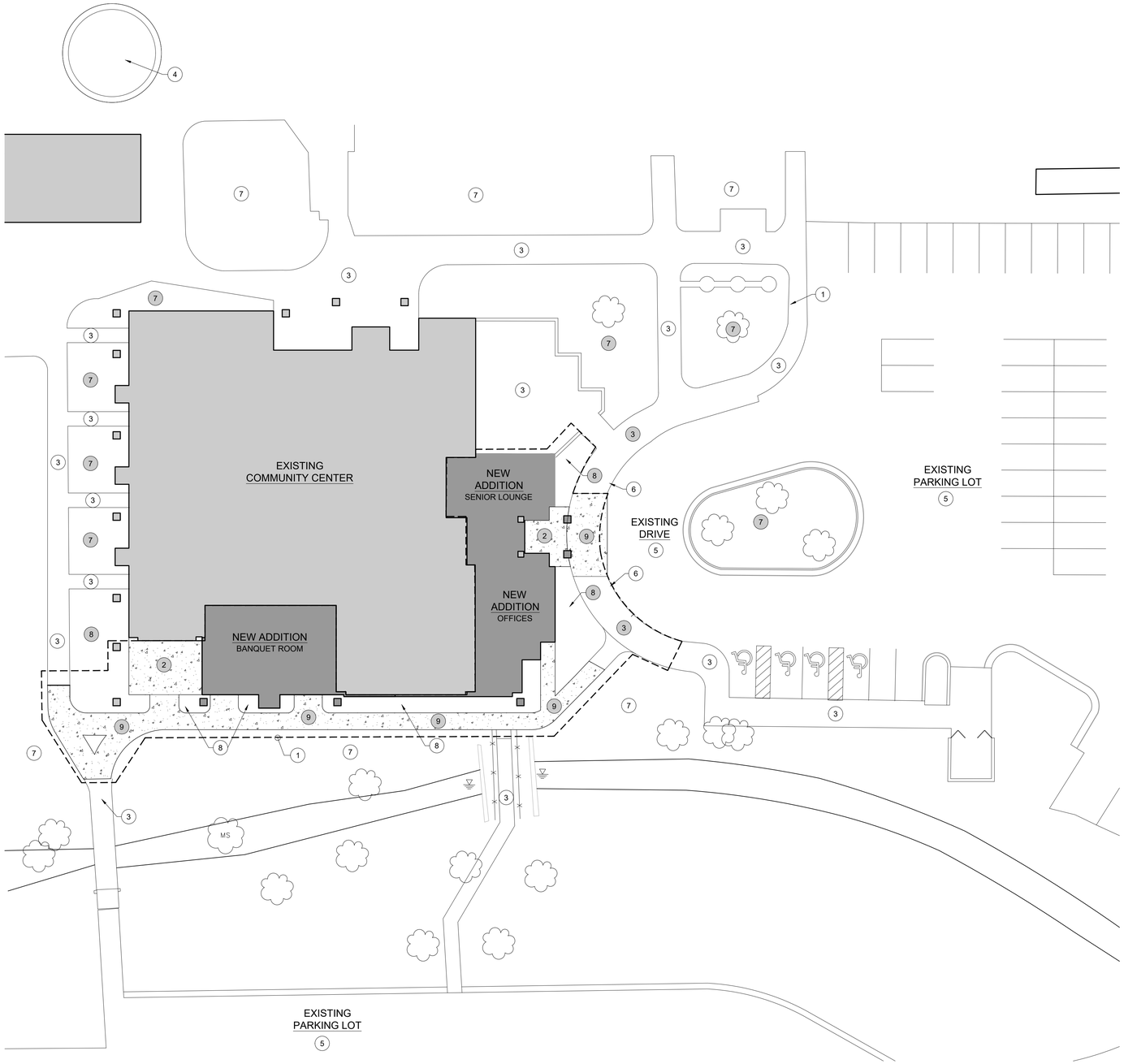

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ARCHITECTURAL SITE PLAN - NEW WORK

SCALE: 1" = 20'-0"

PROPOSED SITE PLAN KEYNOTES:

1. MAJORITY OF NEW WORK TO BE CONTAINED WITHIN DASHED BOUNDARY
2. NEW CONCRETE PAVEMENT
3. EXISTING CONCRETE SIDEWALK/PAVEMENT TO REMAIN.
4. NEW CONCRETE PAVEMENT AT DEMOLISHED PAVER.
5. EXISTING ASPHALT PAVEMENT TO REMAIN.
6. NEW MASONRY SCREEN WALL WITH RAISED ALUM. LETTERS.
7. EXISTING LAWN AREA TO REMAIN.
8. NEW LAWN AREA WITH NEW LANDSCAPING. REFER TO LANDSCAPING DRAWING.
9. ALTERNATE NO. 2: NEW CONCRETE SIDEWALK.

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Sheet Title:
ARCHITECTURAL SITE PLAN - NEW WORK

Project Number: 24361.A

Sheet Number: AS-101

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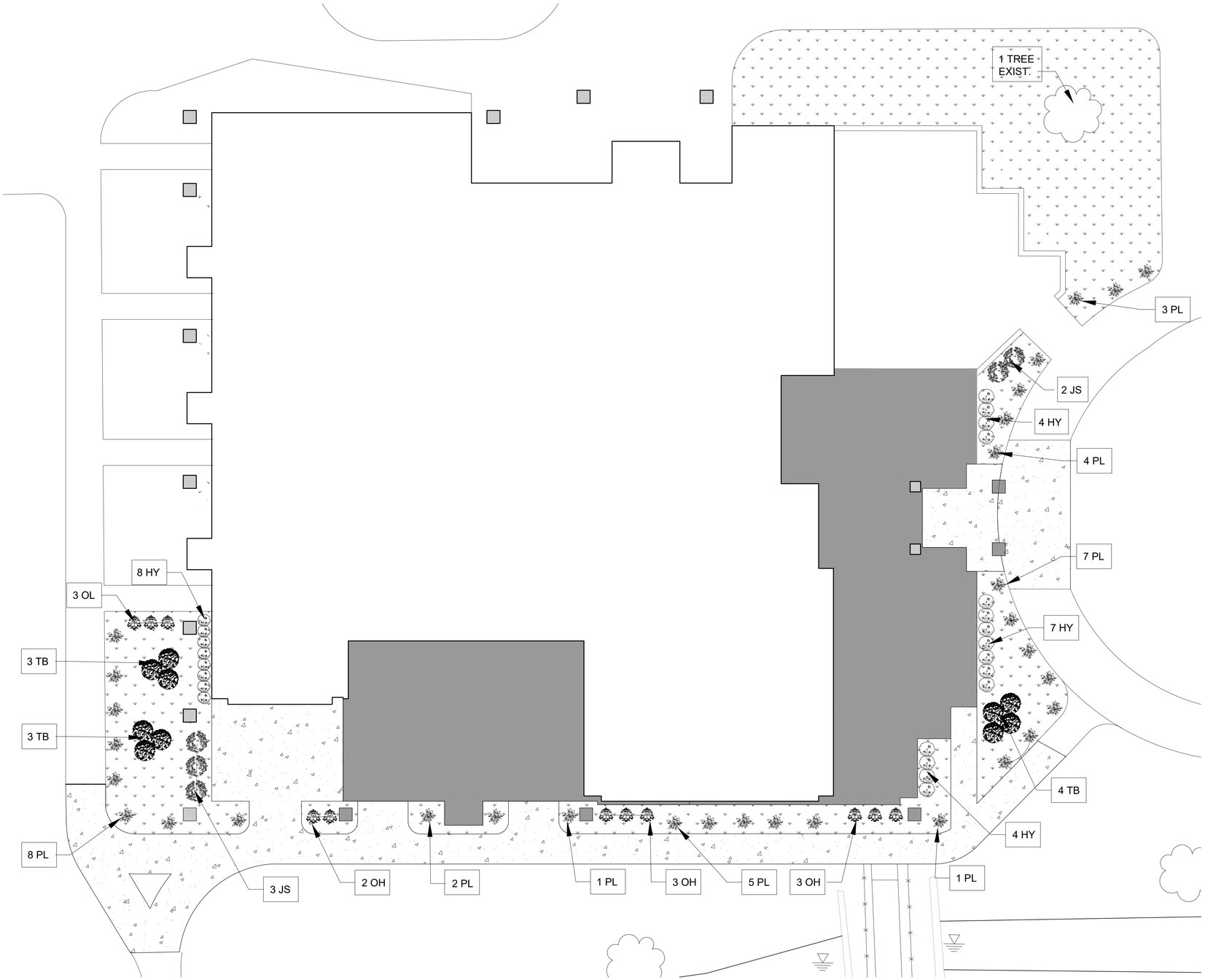

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1 L-100

LANDSCAPE PLAN

SCALE: 1" = 10'-0"

GENERAL LANDSCAPE NOTES:

A. PLANT TREES AND SHRUBS GENERALLY NO CLOSER THAN THE FOLLOWING DISTANCES APART OR WORK WITH ARCHITECT TO HAVE SPACING REFLECT THE DESIGN INTENT AS SHOWN ON THE PLAN:

SHADE TREES:	20' O.C. MIN.
SHRUBS:	SPACED TO CREATE SCREEN/BUFFER. SEE PLAN.
ORNAMENTAL & EVERGREEN TREES (CRAB, PINE, SPRUCE)	10' O.C. MIN.

B. DIG SHRUB PITS 1'-0" LARGER THAN THE SHRUB ROOT BALLS. TREE PITS 2'-0" LARGER THAN THE ROOT BALLS. BACK FILL W/ 1 PART TOPSOIL - 1 PART SOIL FROM EXCAVATED PLANT HOLES.

C. REMOVE ALL TWINE, WIRE, AND BURLAP FROM TOP OF ALL SHRUB EARTH BALLS AND TREE TRUNKS

D. LAWN TREES TO BE MULCHED W/ 2'-0" WIDE BY 6" MINIMUM SHREDDED BARK RING OR APPROVED ALTERNATE DESIGN FOR TREE TRUNK PROTECTION.

E. ALL LANDSCAPE BEDS TO BE MULCHED WITH 4" OF SHREDDED WOOD MULCH AND BORDERED WITH METAL LANDSCAPE EDGING.

F. INSTALLATION OF PLANT MATERIAL SHALL BE IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF NURSERYMEN LANDSCAPE STANDARDS AND WITH THE GENERAL PLANTING SPECIFICATIONS AS SET FORTH BY THE CITY OF FERNDALE DEPARTMENT OF PUBLIC SERVICES.

G. ALL TREES TO BE STAKED, WRAPPED, AND MULCHED ACCORDING TO CITY STANDARDS.

H. ALL ERICACIOUS PLANT MATERIAL AND OTHER ACID LOVING PLANTS SHALL BE PLANTED IN PLANTING MIX OF 1 PART TOPSOIL - 1 PART PEAT.

I. ALL LAWN AREAS TO BE FINE GRADED AND TOP DRESSED WITH 3" OF TOP SOIL BEFORE SODDING.

J. ALL QUANTITIES ON PLANS HAVE BEEN FIGURED AS CLOSELY AS POSSIBLE. IT REMAINS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO COMPLETE THE PROJECT AS INDICATED ON THE DRAWINGS.

K. ALL GROUND COVER BEDS SHALL RECEIVE 3" OF PLANT MIX ($\frac{1}{3}$ TOPSOIL, $\frac{1}{3}$ SAND, $\frac{1}{3}$ PEAT) ROTOTILLED INTO THE UPPER 6" OF SOIL, MULCH WITH 2" OF MICHIGAN PEAT MULCH.

L. PLUMBING PERMIT IS REQUIRED FOR THE INSTALLATION OF BACKFLOW PREVENTION FOR AUTOMATIC SPRINKLER SYSTEMS.

M. PLANTS SHALL BE WATERED/IRRIGATED AS NECESSARY TO PROMOTE PROPER AND HEALTHY PLANT GROWTH. GC IS RESPONSIBLE TO DO SO UNTIL THE PROJECT IS COMPLETED AND OFFICIALLY TURNED OVER TO THE OWNER.

SHRUBS					
TAG	COMMON NAME	BOTANICAL NAME	PLANTING SIZE	MATURE SIZE	QUANTITY
JS	WHITE GOLD JAPANESE SPIRAEA	SPIRAEA JAPONICA	2' - 0' HT	3' - 0' HT	
OH	OAKLEAF HYDRANGEA	HYDRANGEA QUERCIFOLIA	2' - 0' HT	10' - 0' HT	-
PL	SIEBOLD'S PLANTAIN LILY	HOSTA SIEBOLDIANA	1' - 0' HT	2' - 6' HT	-
TB	THREADLEAF BLUESTAR	AMSONIA HUBRICHTII	2' - 0' HT	4' - 5' HT	-
HY	HICKS YEW	TAXUS X MEDIA HICKSII	2' - 6' HT	18' - 0' HT	-
				TOTAL:	-

Sidock Group
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Novi, Michigan 48374
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Sheet Title:
LANDSCAPE PLAN

Project Number: 24361.A

Sheet Number: L-100

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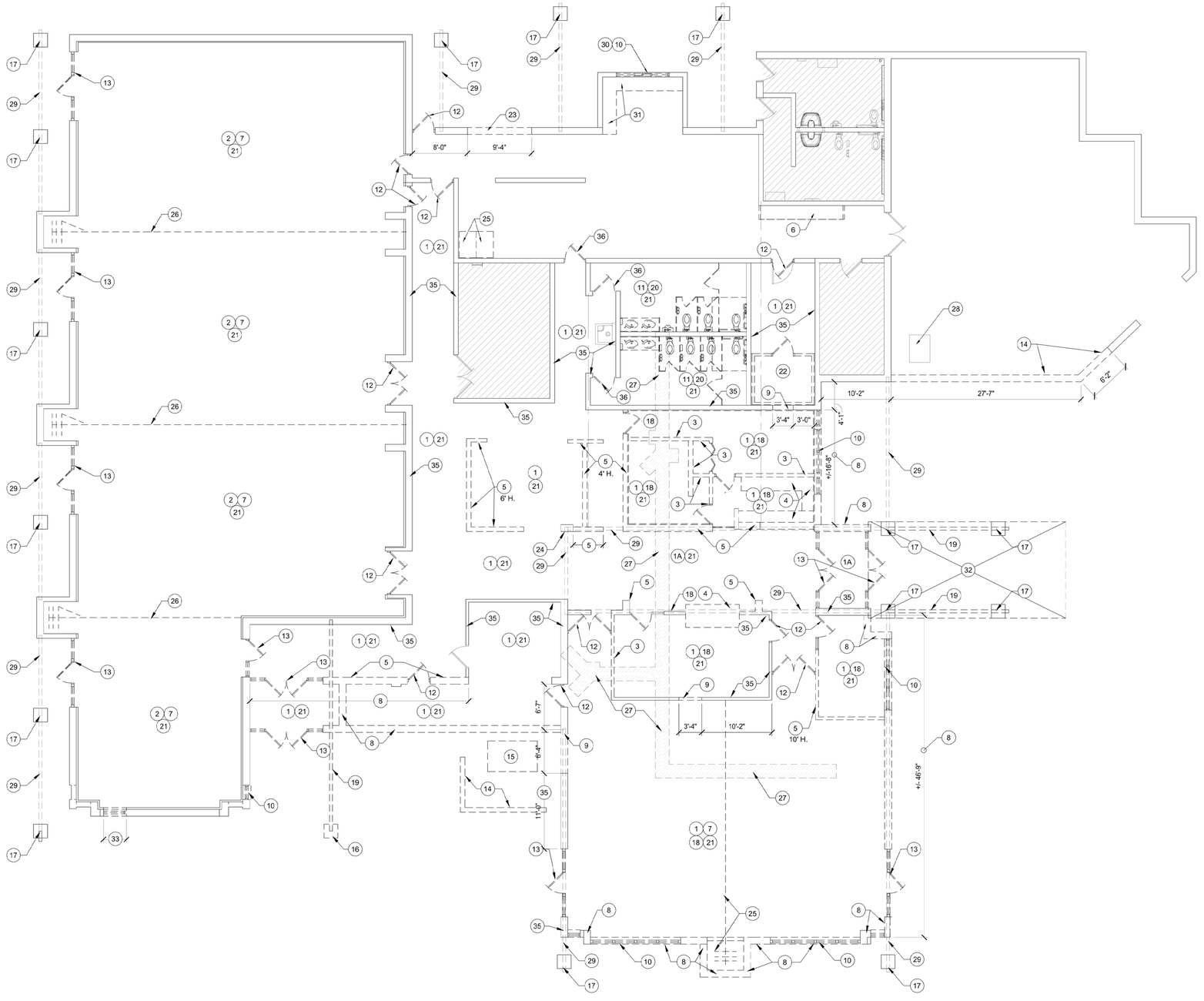

1 AD-110 OVERALL DEMOLTION FLOOR PLAN

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

GENERAL DEMOLITION NOTES

A. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK OR SUPPLYING MATERIALS OR COMPONENTS. LAYOUT ALL WALLS PRIOR TO COMMENCEMENT OF FRAMING AND NOTIFY OWNER'S PROJECT REPRESENTATIVE FOR DISPOSITION OF MAJOR DIMENSIONAL CONFLICTS.

B. COORDINATE ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION W/ OWNER AND SCHEDULE WORK ACCORDINGLY. NOTIFY OWNER AT LEAST 48 HOURS PRIOR TO ANY BUILDING SHUT-DOWN.

C. THESE DEMOLITION NOTES AND PLANS DO NOT FULLY REPRESENT ALL DEMOLITION WORK REQUIRED TO INSTALL NEW WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS, BUT ARE INTENDED TO SERVE AS GENERAL DEMOLITION GUIDELINES. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF INCIDENTAL DEMOLITION WORK NOT INDICATED ON THIS PLAN.

D. THE CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS TO BE SALVAGED AND RELOCATED, THROUGHOUT THE CONSTRUCTION PERIOD, INCLUDING SAFE STORAGE OF SAME. UPON DEMOLITION, THE OWNER SHALL RETAIN THOSE ITEMS DEEMED SALVAGEABLE. ITEMS NOT RETAINED SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL LEGALLY DISPOSE OF SAME.

E. WHERE ITEMS ARE REMOVED, PATCH SURFACES TO MATCH ADJACENT SURFACES OR AS NECESSARY TO INSTALL NEW FINISHES WHERE SCHEDULED. PATCHING OF NEW OR EXISTING FINISHES SHALL EXTEND TO NEAREST NATURAL BREAK OR TERMINATION FOR A CLEAN UNBLEMISHED APPEARANCE AT THE END OF CONSTRUCTION.

F. REMOVE AND REPLACE EXISTING CEILINGS LOCATED WITHIN UNALTERED AREAS OF THE BUILDING AS REQUIRED TO COMPLETE ALL NEW WORK, WHETHER SHOWN ON DRAWINGS OR NOT. COORDINATE THIS WORK WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. REPLACE DAMAGED CEILING TILES AND GYPSUM BOARD CEILINGS IF DAMAGED DURING DEMOLITION PHASES.

G. REMOVE EXISTING CARPET, BASE AND ADHESIVE IN AREAS TO RECEIVE NEW FINISHED FLOOR MATERIAL.

H. WHERE CEILING GRID TO REMAIN, REPLACE DAMAGED CEILING TILE AS REQUIRED, AND REPAINT EXISTING GRID AS REQUIRED.

I. DISCONNECT AND REMOVE ALL ITEMS SHOWN CROSS-HATCHED OR AS OTHERWISE REQUIRED TO CLEAR AREA FOR NEW WORK.

J. CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THIS PROJECT (PROVIDE BARRICADES, WARNING SIGNS, ETC....).

K. PROVIDE ALL DUST CURTAINS AND TEMPORARY PARTITIONS AS REQUIRED TO PROTECT EXISTING BUILDING DURING CONSTRUCTION.

L. DEMOLITION SHALL INCLUDE BUT NOT BE LIMITED TO THIS SHEET. SEE ADDITIONAL SHEETS FOR FURTHER INFORMATION.

M. REMOVE AND REPLACE EXISTING FIRE EXTINGUISHER CABINETS IN AREAS OF WORK; REFER TO FLOOR PLAN FOR NEW LOCATIONS.

DEMOLITION FLOOR PLAN NOTES

1. REMOVE CEILING TILE, GRID, CEILING ACCESSORIES, LIGHT FIXTURES, AND DIFFUSERS. REFER TO ELECTRICAL AND MECHANICAL DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
1A. EXISTING WOOD SLAT VAULTED CEILING AND FRAMING TO REMAIN. REMOVE ALL RECESSED LIGHT FIXTURES. REMOVE/REPLACE ANY DAMAGED/WARPED WOOD SLATS AS REQUIRED.
2. REMOVE CEILING TILE, CEILING ACCESSORIES, LIGHT FIXTURES, AND DIFFUSERS. EXISTING CEILING GRID TO REMAIN. REFER TO ELECTRICAL AND MECHANICAL DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
3. REMOVE EXISTING STUD WALLS. REMOVE EXISTING DOORS AND FRAMES ASSOCIATED WITH WALLS AS REQUIRED.
4. REMOVE EXISTING MILLWORK COMPLETE.
5. REMOVE INTERIOR MASONRY WALL COMPLETE. REMOVE MASONRY 8" BELOW SLAB AND PATCH EXISTING CONCRETE SLAB AS REQUIRED.
6. REMOVE CASEWORK COMPLETE.
7. REMOVE CHAIR RAIL AND MOUNTING HARDWARE. PATCH AND PREPARE SURFACES AS NECESSARY TO INSTALL NEW CHAIR RAIL.
8. REMOVE EXTERIOR MASONRY WALL COMPLETE. SHORE EXISTING ROOF AND ROOF FRAMING AS NECESSARY, AND UNTIL NEW SUPPORTING STRUCTURES ARE INSTALLED.
9. SAW-CUT AND REMOVE MASONRY WALL AS NECESSARY TO FACILITATE INSTALLATION OF DOOR, FRAME AND MASONRY LINTEL. TOOTH-IN BULLNOSE CMU AT JAMBS.
10. REMOVE EXISTING WINDOW COMPLETE.
11. REMOVE ALL PLUMBING FIXTURES, TOILET ACCESSORIES, TOILET PARTITIONS AND ALL ASSOCIATED HARDWARE, COUNTERTOP AND BACKSPLASH COMPLETE.
12. REMOVE EXISTING DOOR, FRAME AND HARDWARE COMPLETE.
13. REMOVE ALUMINUM STOREFRONT SYSTEM. PATCH OPENING AS REQUIRED.
14. REMOVE 6'-0" HIGH MASONRY SCREEN WALL AND FOUNDATIONS COMPLETE.
15. REMOVE MECHANICAL EQUIPMENT AND CONC. EQUIPMENT PAD; REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION.
16. REMOVE EXISTING MASONRY PIERS, STEEL COLUMNS AND FOUNDATIONS COMPLETE. SHORE EXISTING GLU-LAM BEAM AND ROOF AS REQUIRED.
17. EXISTING MASONRY PIERS, STEEL COLUMNS AND FOUNDATION TO REMAIN. PREPARE MASONRY COLUMNS TO RECEIVE STONE VENEER. REFER TO EXTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
18. REMOVE VINYL GYPSUM PANEL AND VINYL BASE.
19. REMOVE PORTION OF EXISTING GLU-LAM BEAM. REFER TO STRUCTURAL DRAWING FOR ADDITIONAL INFORMATION.
20. CLEAN AND PREPARE EXISTING HARD CEILING FOR NEW PAINT. REMOVE ALL EXISTING LIGHT FIXTURES INCLUDING THE RECESSED LIGHT FIXTURE AND LENS AT SOFFIT.
21. REMOVE FLOOR FINISH AND WALL BASE COMPLETE. PREP FLOOR AS REQUIRED TO RECEIVE NEW FLOOR FINISH MATERIAL. COORDINATE TILE FLOORING REMOVAL WITH OWNER'S ASBESTOS ABATEMENT CONTRACTOR. REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF SLAB ON GRADE REMOVAL AND REPLACEMENT
22. REMOVE AND RELOCATE EXISTING WALK-IN COOLER.
23. REMOVE EXISTING MASONRY WALL FOR NEW OPENING.
24. EXISTING COLUMNS TO REMAIN.
25. REMOVE EXISTING DEEP FRYERS (2) IN KITCHEN.
26. REMOVE AND REPLACE EXISTING FOLDING PARTITION WALL. EXISTING TRACK, SOFFIT AND STRUCTURAL SUPPORTS TO REMAIN.
27. SAWCUT AND REMOVE EXISTING CONCRETE SLAB FOR NEW SANITARY LINE. VERIFY EXACT LOCATION IN THE FIELD.
28. EXISTING TRANSFORMER AND BUMPER POSTS TO REMAIN.
29. EXISTING GLU-LAM BEAM TO REMAIN.
30. REMOVE EXISTING ROLL-UP COUNTER DOOR COMPLETE.
31. REMOVE EXISTING STAINLESS STEEL COUNTER COMPLETE.
32. REMOVE EXISTING EXTERIOR PAVEMENT COMPLETELY. REFER TO AS-100 FOR FULL EXTENT OF SITE CONCRETE DEMOLITION.
33. REMOVE PORTION OF ALUMINUM STOREFRONT AND FRAMING AS REQUIRED FOR NEW OPENING.
34. REMOVE AND RELOCATE EXISTING METERS. REFER TO PLUMBING DRAWINGS.
35. EXISTING WALL TO REMAIN.
36. EXISTING DOOR FRAME TO REMAIN. REMOVE EXSTING DOOR AND HARDWARE COMPLETE.

LEGEND:

(X) →	KEY NOTE
	ITEM TO BE REMOVED
	NOT IN CONTRACT

Sidock Group
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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Sheet Title:
OVERALL DEMOLITION FLOOR PLAN

Project Number: 24361.A

Sheet Number: AD-110

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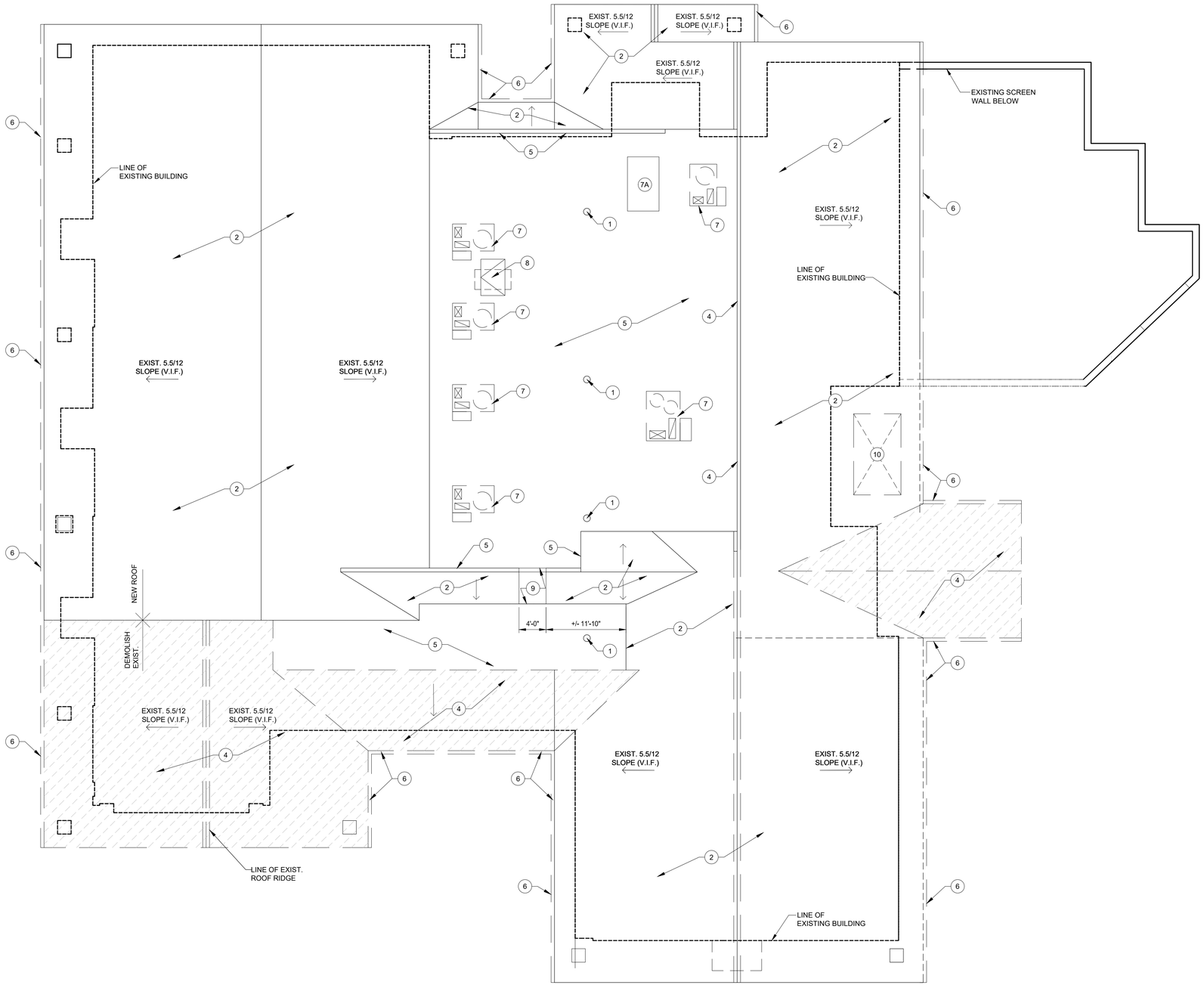

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DEMOLITION ROOF PLAN

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

GENERAL ROOF NOTES

1. INTENT OF NEW STANDING SEAM METAL ROOF IS TO MATCH PANEL SIZE AND PROFILE OF EXIST. ROOF TO EXTENT POSSIBLE. SEAL AND MAKE WEATHER-TIGHT TRANSITIONS FROM NEW TO EXIST..
2. IT IS UNKNOWN LAYERING OF EXIST. ROOF CONSTRUCTION (ROOF PANEL, SHEATHING, INSULATION, DECK, TRUSS, ETC.) WHERE EXIST. TRUSSES ARE INSTALLED, ADJUST HEIGHT AS NECESSARY TO MATCH EXIST. AND ENSURE SMOOTH TRANSITION.
3. REMOVE AND REPLACE ALL GUTTERS AND DOWNSPOUTS, REWORK AND REROUTE AS NECESSARY FOR SMOOTH DISCHARGE OF RAINWATER. PROVIDE SPLASH BLOCKS WHERE DISCHARGE TO GRADE.
4. VERIFY ALL ROOF SLOPES IN THE FIELD. .

DEMOLITION ROOF PLAN KEYNOTES

1. EXISTING ROOF SUMP TO REMAIN.
2. REMOVE EXISTING STANDING SEAM ROOF PANELS. EXISTING WOOD TRUSS TO REMAIN. REMOVE ANY DAMAGED EXISTING WOOD SHEATHING AND REPLACE AS REQUIRED.
3. REMOVE EXISTING STANDING SEAM ROOF PANELS ON VERTICAL WALL SURFACE COMPLETE.
4. REMOVE STANDING SEAM ROOF PANELS, SHEATHING, INSULATION AND EXISTING WOOD TRUSS COMPLETE IN AREA SHOWN HATCHED. SHORE EXISTING STRUCTURE AS REQUIRED.
5. REMOVE EXIST. SINGLE-PLY ROOFING MEMBRANE (OVER FLAT ROOF AND ON PARAPET ROOF) COMPLETELY. ASSESS CONDITION OF EXIST. SHEATHING AND REPLACE AS REQUIRED.
6. REMOVE ALL EXIST. GUTTER AND DOWNSPOUT.
7. EXIST. ROOF TOP UNITS TO BE REMOVED AND REPLACE.
7A. EXIST. MAKEUP AIR UNITS TO REMAIN.
8. EXIST. ROOF HATCH AND CURB TO BE REMOVED AND RELOCATED.
9. REMOVE EXIST. STANDING SEAM METAL ROOF, SHEATHING AS REQUIRED FOR NEW OPENING. COORDINATE OPENING LOCATION WITH THE SPACING/LOCATION OF THE EXIST. TRUSSES.
10. EXISTING OPENING IN ROOF TRUSSES. REMOVE ALL STANDING SEAM METAL PANELS, SHEATHING, ETC. TO EXPOSE WOOD TRUSSES AND FRAMING FOR NEW CONSTRUCTION.

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Corporate Headquarters
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Sheet Title:
DEMOLITION ROOF PLAN

Project Number: 24361.A

Sheet Number: AD-120

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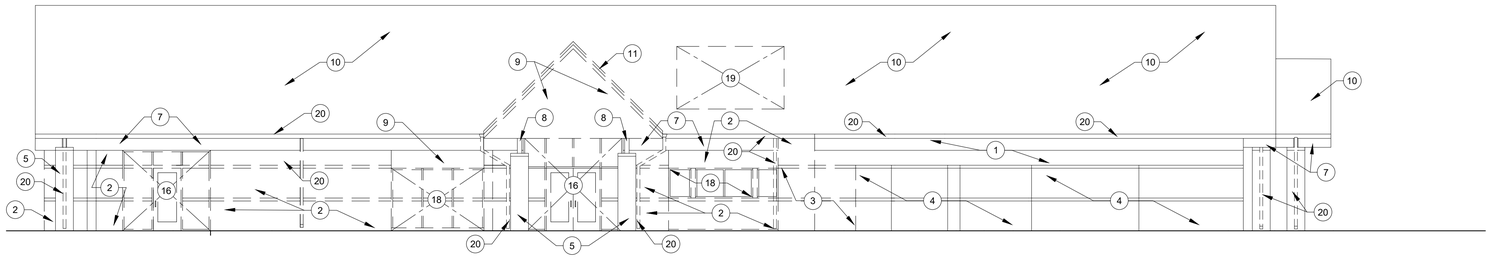
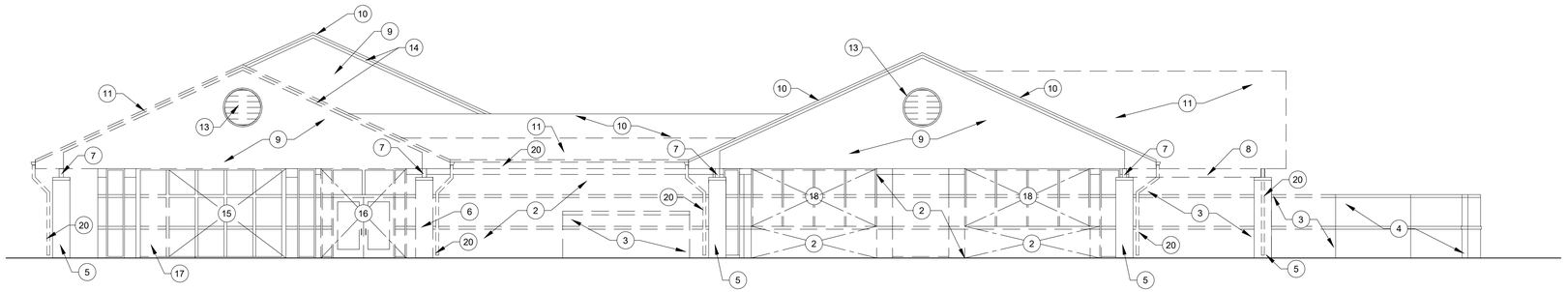
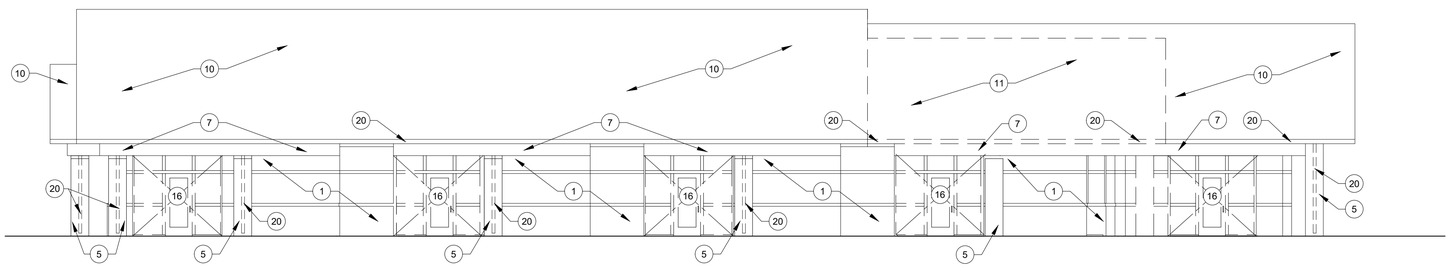


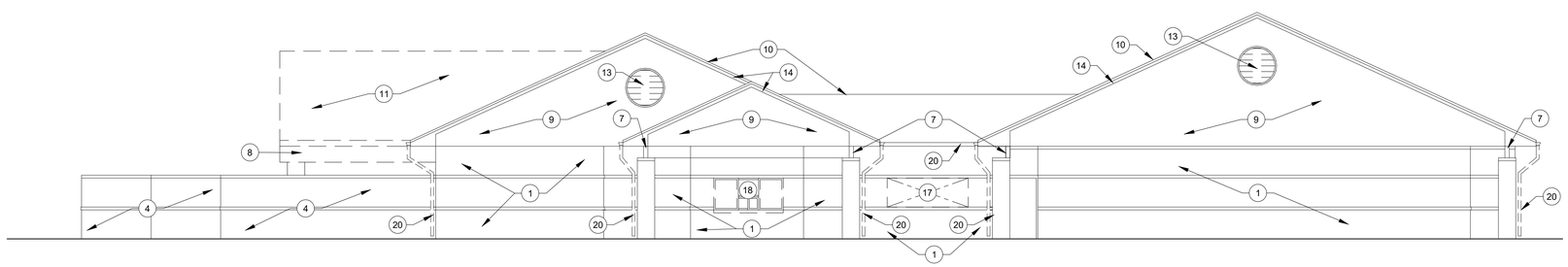
4 AD-200 EAST DEMOLITION ELEVATION
SCALE: 1/8"=1'-0"



3 AD-200 SOUTH DEMOLITION ELEVATION
SCALE: 1/8"=1'-0"



2 AD-200 WEST DEMOLITION ELEVATION
SCALE: 1/8"=1'-0"



1 AD-200 NORTH DEMOLTION ELEVATION
SCALE: 1/8"=1'-0"

GENERAL DEMOLITION NOTES:

A. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK OR SUPPLYING MATERIALS OR COMPONENTS. LAYOUT ALL WALLS PRIOR TO COMMENCEMENT OF FRAMING AND NOTIFY OWNER'S PROJECT REPRESENTATIVE FOR DISPOSITION OF MAJOR DIMENSIONAL CONFLICTS.

B. COORDINATE ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION W/ OWNER AND SCHEDULE WORK ACCORDINGLY. NOTIFY OWNER AT LEAST 48 HOURS PRIOR TO ANY BUILDING SHUT-DOWN.

C. THESE DEMOLITION NOTES AND PLANS DO NOT FULLY REPRESENT ALL DEMOLITION WORK REQUIRED TO INSTALL NEW WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS, BUT ARE INTENDED TO SERVE AS GENERAL DEMOLITION GUIDELINES. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF INCIDENTAL DEMOLITION WORK NOT INDICATED ON THIS PLAN.

D. THE CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS TO BE SALVAGED AND RELOCATED, THROUGHOUT THE CONSTRUCTION PERIOD, INCLUDING SAFE STORAGE OF SAME. UPON DEMOLITION, THE OWNER SHALL RETAIN THOSE ITEMS DEEMED SALVAGEABLE. ITEMS NOT RETAINED SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL LEGALLY DISPOSE OF SAME.

E. WHERE ITEMS ARE REMOVED, PATCH SURFACES TO MATCH ADJACENT SURFACES OR AS NECESSARY TO INSTALL NEW FINISHES WHERE SCHEDULED. PATCHING OF NEW OR EXISTING FINISHES SHALL EXTEND TO NEAREST NATURAL BREAK OR TERMINATION FOR A CLEAN UNBLEMISHED APPEARANCE AT THE END OF CONSTRUCTION.

F. CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THIS PROJECT (PROVIDE BARRICADES, WARNING SIGNS, ETC....).

G. PROVIDE ALL DUST CURTAINS AND TEMPORARY PARTITIONS AS REQUIRED TO PROTECT EXISTING BUILDING DURING CONSTRUCTION.

H. DEMOLITION SHALL INCLUDE BUT NOT BE LIMITED TO THIS SHEET. SEE ADDITIONAL SHEETS FOR FURTHER INFORMATION.

DEMOLITION ELEVATION NOTES

1. EXISTING MASONRY WALL TO REMAIN
2. REMOVE EXISTING MASONRY WALL
3. REMOVE PORTION OF EXISTING MASONRY SCREEN WALL
4. EXISTING MASONRY SCREEN WALL TO REMAIN
5. EXISTING MASONRY PIER TO REMAIN.
6. REMOVE EXISTING MASONRY PIER COMPLETELY. SHORE EXISTING STRUCTURE AS REQUIRED UNTIL NEW CONSTRUCTION IS IN PLACE.
7. EXISTING GLU-LAMINATE BEAM TO REMAIN.
8. REMOVE AND REPLACE EXISTING GLU-LAMINATE BEAM.
9. REMOVE EXISTING HORIZONTAL ALUMINUM SIDING
10. REMOVE EXISTING STANDING SEAM METAL ROOF. ASSESS CONDITION OF EXISTING ROOF SHEATHING AND INSULATION AND REPLACE IF REQUIRED.
11. REMOVE EXISTING ROOF IN ITS ENTIRETY
12. REMOVE PORTION OF ROOF, WOOD TRUSSES, FASCIA, SOFFIT, ETC FOR NEW CONSTRUCTION
13. REMOVE EXISTING GABLE VENT
14. REMOVE EXISTING METAL FASCIA TRIM AND SOFFIT
15. EXISTING STOREFRONT SYSTEM TO REMAIN
16. REMOVE EXISTING STOREFRONT SYSTEM
17. REMOVE PORTION OF EXISTING WALL OR ALUMINUM STOREFRONT FOR NEW OPENING
18. REMOVE EXISTING WINDOW
19. EXISTING OPENING IN ROOF. REMOVE ALL VERTICAL METAL PANELS TO EXPOSE FRAMING FOR NEW CONSTRUCTION.
20. EXISTING GUTTER AND DOWNSPOUTS TO BE REMOVED.

LEGEND:

X →	KEY NOTE
	ITEM TO BE REMOVED

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
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Sheet Title:
DEMOLITION EXTERIOR ELEVATIONS

Project Number: 24361.A

Sheet Number: AD-130

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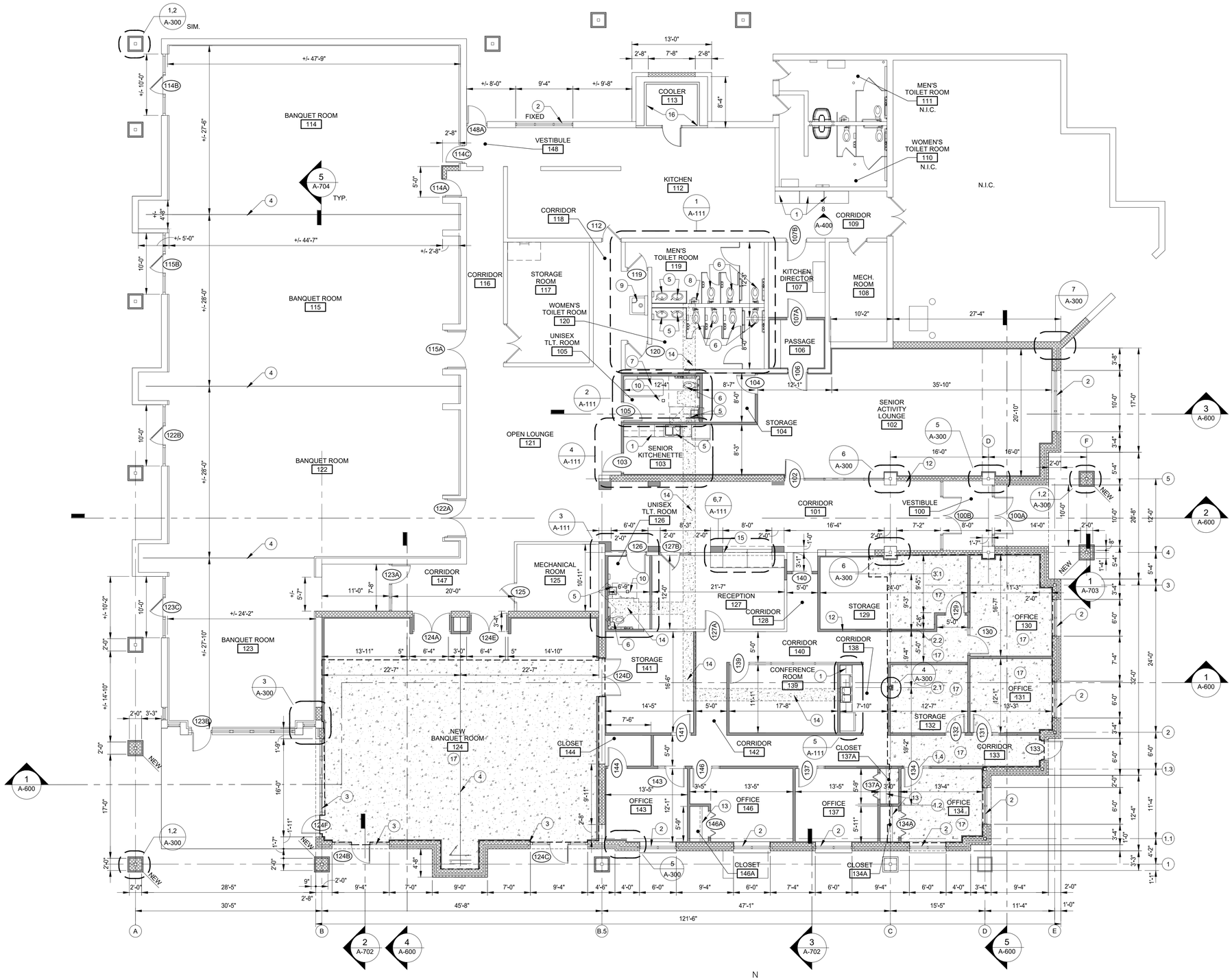

FLOOR PLAN NOTES:

1. NEW MILLWORK
2. NEW WINDOW AND SILL
3. NEW ALUMINUM STOREFRONT
4. NEW MOVABLE PARTITION
5. NEW SINK
6. NEW TOILET
7. NEW ADULT CHANGING STATION
8. NEW URINAL
9. EXISTING DRINKING FOUNTAIN
10. NEW FLOOR DRAIN
11. NEW EQUIPMENT/APPLIANCES
12. RECESSED FIRE EXTINGUISHER CABINET
13. NEW ROD AND SHELF
14. INFILL NEW TRENCH FOR NEW SANITARY LINE AND POUR NEW CONCRETE SLAB (+/-4").
15. NEW SERVICE COUNTER WITH TEMPERED GLASS PARTITION AND PARTITION POST (BASE BID). ALTERNATE NO. 1: NEW BALLISTIC GLASS IN LIEU OF TEMPERED GLASS. REFER TO INTERIOR ELEVATIONS.
16. EXISTING COOLER TO BE RELOCATED. PROVIDE NEW FILLER PANELS ON SIDE OF COOLER AND EXISTING WALL. EXISTING QUARRY TILE TO REMAIN.
17. NEW CONCRETE SLAB AS SHOWN HATCHED. REFER TO STRUCT. DWGS.

LEGEND

- NEW CONCRETE SLAB
- NEW PARTITIONS REFER TO LS-100 FOR PARTITION TYPES

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Sheet Title:
PROPOSED FLOOR PLAN

Project Number: 24361.A

Sheet Number: A-110

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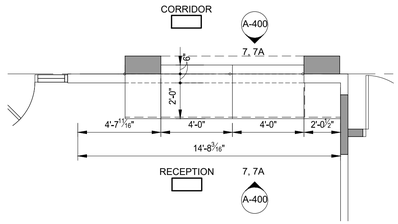
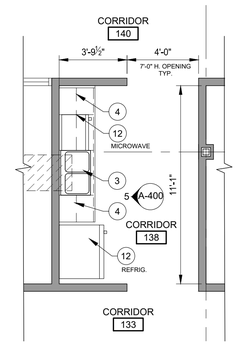
INTERIOR ELEVATION NOTES

1. NEW TOILET
2. NEW GRAB BARS
3. NEW SINK
4. NEW COUNTERTOP AND BACKSPLASH
5. NEW URINAL
6. NEW MIRROR
7. NEW SOAP DISPENSER
8. NEW PAPER TOWEL DISPENSER/DISPOSAL
9. NEW TOILET PAPER DISPENSER
10. NEW SANITARY NAPKIN DISPOSAL
11. NEW TOILET PARTITION
12. APPLIANCES PROVIDED BY OWNER
13. CASEWORK SHELVING
14. NEW FLOOR DRAIN
15. NEW ADULT CHANGING STATION



6 A-110 ENLARGED PLAN
SCALE: 1/4"=1'-0"



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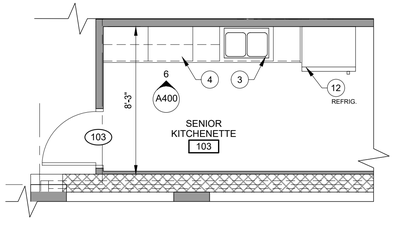

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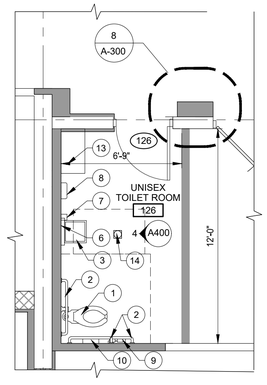

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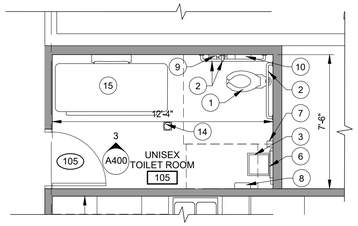

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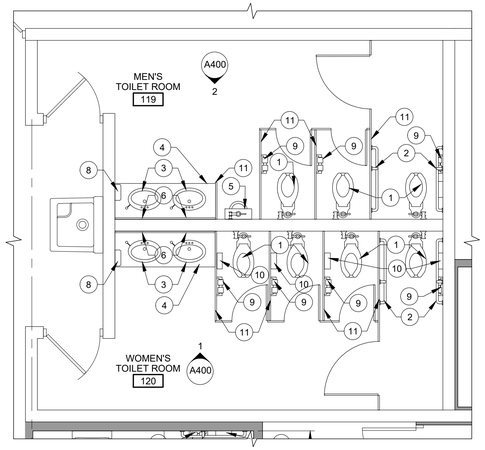

1 A-110 ENLARGED PLAN
SCALE: 1/4"=1'-0"

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Corporate Headquarters
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Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Sheet Title:
ENLARGED PLANS

Project Number: 24361.A

Sheet Number: A-111

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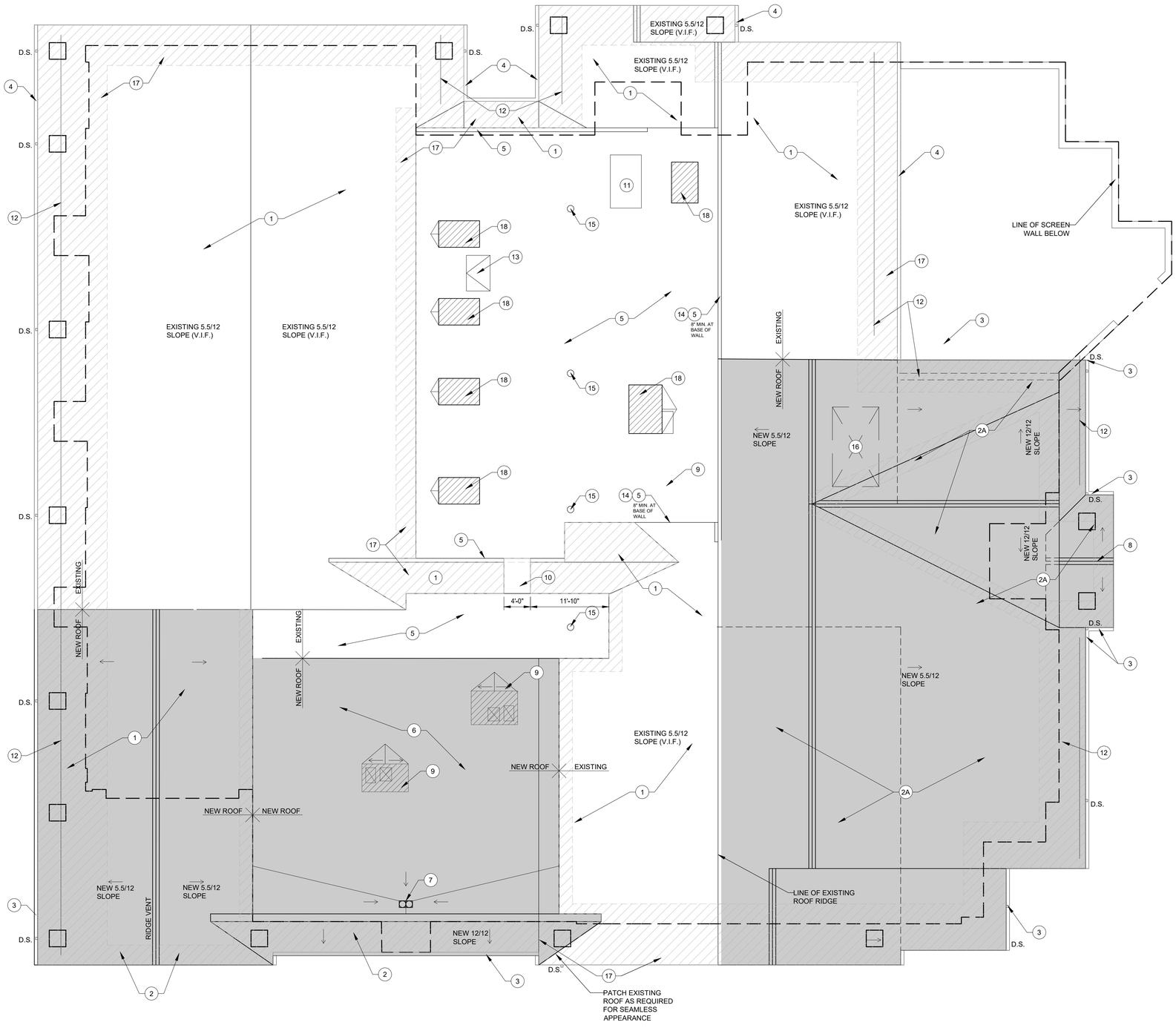

N

OVERALL FLOOR PLAN

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

GENERAL ROOF NOTES

1. INTENT OF NEW STANDING SEAM METAL ROOF IS TO MATCH PANEL SIZE AND PROFILE OF EXISTING ROOF TO EXTENT POSSIBLE. SEAL AND MAKE WEATHER-TIGHT TRANSITIONS FROM NEW TO EXISTING.
2. IT IS UNKNOWN LAYERING OF EXISTING ROOF CONSTRUCTION (ROOF PANEL, SHEATHING, INSULATION, DECK, TRUSS, ETC.) WHERE EXISTING TRUSSES ARE INSTALLED. ADJUST HEIGHT AS NECESSARY TO MATCH EXISTING AND ENSURE SMOOTH TRANSITION.
3. WHERE NEW CONSTRUCTION INTERFERES w/ EXISTING GUTTERS AND DOWNSPOUTS, REWORK AND REROUTE AS NECESSARY FOR SMOOTH DISCHARGE OF RAINWATER TO MATCH EXISTING. PROVIDE SPLASH BLOCKS WHERE DISCHARGE TO GRADE.
4. CLEAN, PRIME AND PAINT EXISTING ROOF TO REMAIN TO MATCH NEW INSTALLED ROOFING. REFER TO PAINT MANUFACTURERS WRITTEN DIRECTIONS FOR ADDITIONAL PREPARATION REQUIREMENTS.

ROOF PLAN KEYNOTES

1. NEW STANDING SEAM METAL ROOF ON EXISTING WOOD TRUSSES/FRAMING.
2. NEW STANDING SEAM METAL ROOF ON NEW WOOD TRUSSES/FRAMING.
2A. NEW STANDING SEAM METAL ROOF BUILT OVER EXISTING WOOD TRUSSES.
3. NEW METAL GUTTER AND DOWN SPOUT. (D.S.)
4. EXISTING METAL GUTTER AND DOWNSPOUT. (PAINT)
5. NEW SINGLE-PLY ROOF MEMBRANE ON EXISTING INSULATION ON EXISTING ROOF DECK. . RUN ROOF MEMBRANE UP AND OVER THE PARAPET WALL.
6. NEW SINGLE-PLY ROOF MEMBRANE ON TAPER/ROOF INSULATION (R-30 MIN.) ON SUBSTRATE BOARD W/ VAPOR BARRIER OVER NEW ROOF DECK.
7. NEW ROOF AND OVERFLOW DRAIN.
8. NEW RIDGE VENT.
9. NEW ROOF TOP UNIT ON NEW PREFAB. CURB. REFER TO MECH. DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE LOCATION IN THE FIELD W/ EXISTING TRUSSES TO DISTRIBUTE LOAD EVENLY.
10. NEW OPENING IN EXISTING ROOF. REFER TO DETAIL X/A-XXX.
11. EXISTING RTU TO REMAIN.
12. NEW SNOW GUARDS TO MATCH COLOR OF ROOF. REFER TO SPECS.
13. EXISTING ROOF HATCH TO BE REMOVED, ROTATED AND PLACED ON ROOF IN SAME GENERAL LOCATION. MODIFY THE OPENING AS REQUIRED.
14. NEW METAL ROOF WALL PANEL TO MATCH STANDING SEAM METAL ROOFING.
15. EXISTING ROOF SUMPS TO REMAIN.
16. INFILL EXISTING ROOF OPENING WITH NEW 2X WOOD FRAMING. REFER TO STRUCTURAL DRAWINGS.
17. NEW ICE AND WATER SHEILD AT EAVES TO MINIMUM 24" BEYOND LINE OF INTERIOR FACE OF WALL AND 36" WIDE AT VALLEYS AS SHOWN HATCHED, TYPICAL.
18. NEW ROOF TOP UNITS ON EXISTING CURB. PROVIDE CURB ADAPTOR AS REQUIRED.

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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COMPOSITE ROOF PLAN

Project Number: 24361.A

Sheet Number: A-120

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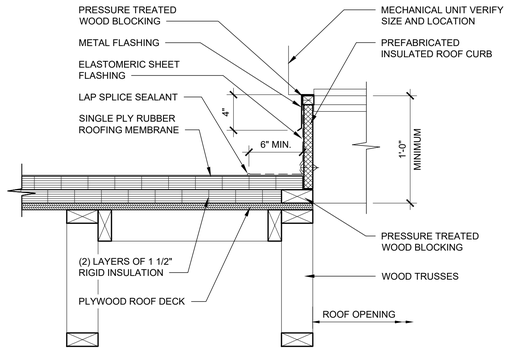
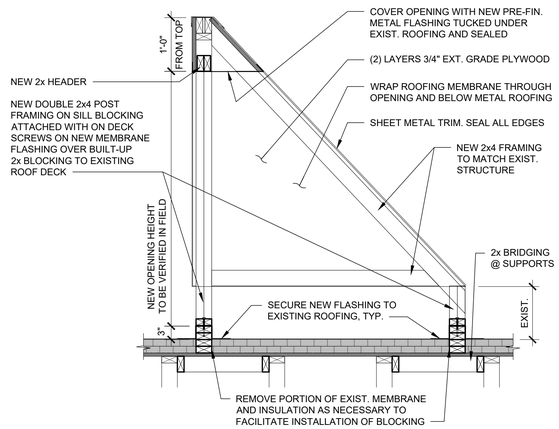
GENERAL ROOF NOTES

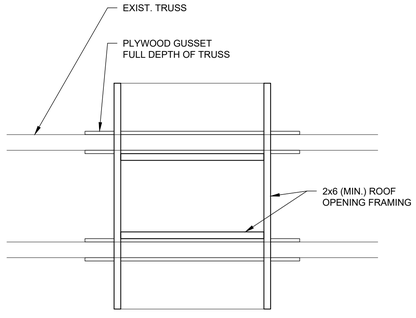
1. INTENT OF NEW STANDING SEAM METAL ROOF IS TO MATCH PANEL SIZE AND PROFILE OF EXISTING ROOF TO EXTENT POSSIBLE. SEAL AND MAKE WEATHER-TIGHT TRANSITIONS FROM NEW TO EXISTING.
2. IT IS UNKNOWN LAYERING OF EXISTING ROOF CONSTRUCTION (ROOF PANEL, SHEATHING, INSULATION, DECK, TRUSS, ETC.) WHERE EXISTING TRUSSES ARE INSTALLED. ADJUST HEIGHT AS NECESSARY TO MATCH EXISTING AND ENSURE SMOOTH TRANSITION.
3. WHERE NEW CONSTRUCTION INTERFERES w/ EXISTING GUTTERS AND DOWNSPOUTS, REWORK AND REROUTE AS NECESSARY FOR SMOOTH DISCHARGE OF RAINWATER TO MATCH EXISTING. PROVIDE SPLASH BLOCKS WHERE DISCHARGE TO GRADE.
4. CLEAN, PRIME AND PAINT EXISTING ROOF TO REMAIN TO MATCH NEW INSTALLED ROOFING. REFER TO PAINT MANUFACTURERS WRITTEN DIRECTIONS FOR ADDITIONAL PREPARATION REQUIREMENTS.
5. INSTALL WATER AND ICE SHIELD AS RECOMMENDED PER MANUFACTURER OVER EXISTING AND NEW SLOPED ROOFS.



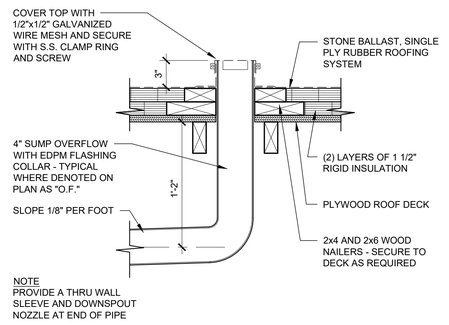
3 A-121 **ROOF CURB DETAIL**
SCALE: 1 1/2" = 1'-0"



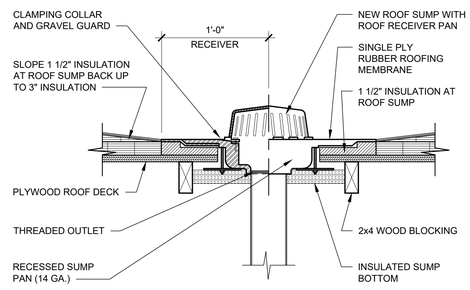
5 A-121 **ROOF SCREEN OPENING DETAIL**
SCALE: 3/4" = 1'-0"



4 A-121 **CURB FRAMING DETAIL**
SCALE: 3/4" = 1'-0"



2 A-121 **SUMP OVERFLOW DETAIL**
SCALE: 1 1/2" = 1'-0"



1 A-121 **TYPICAL ROOF SUMP DETAIL**
SCALE: 1 1/2" = 1'-0"

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Sheet Title:
ROOF DETAILS

Project Number: 24361.A

Sheet Number: A-121

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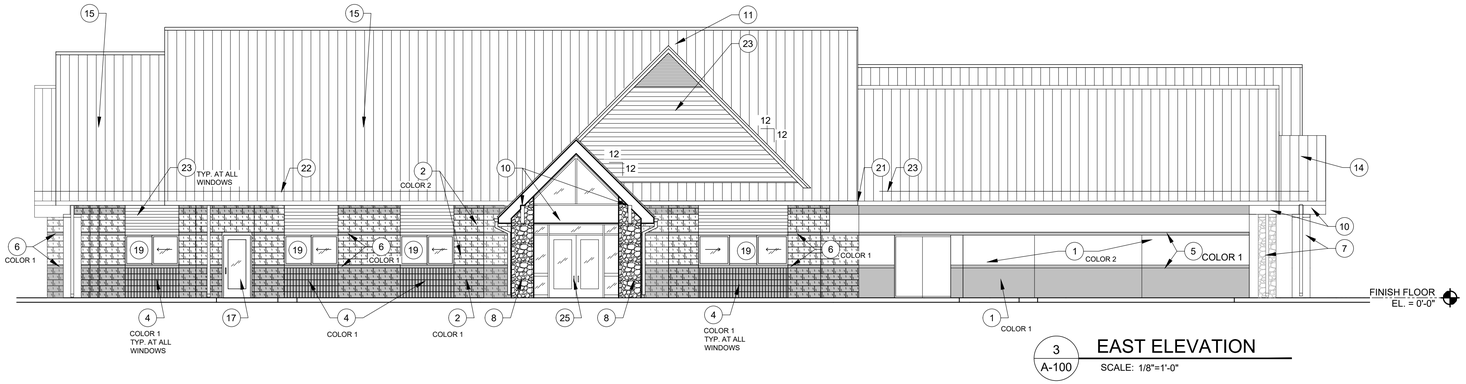
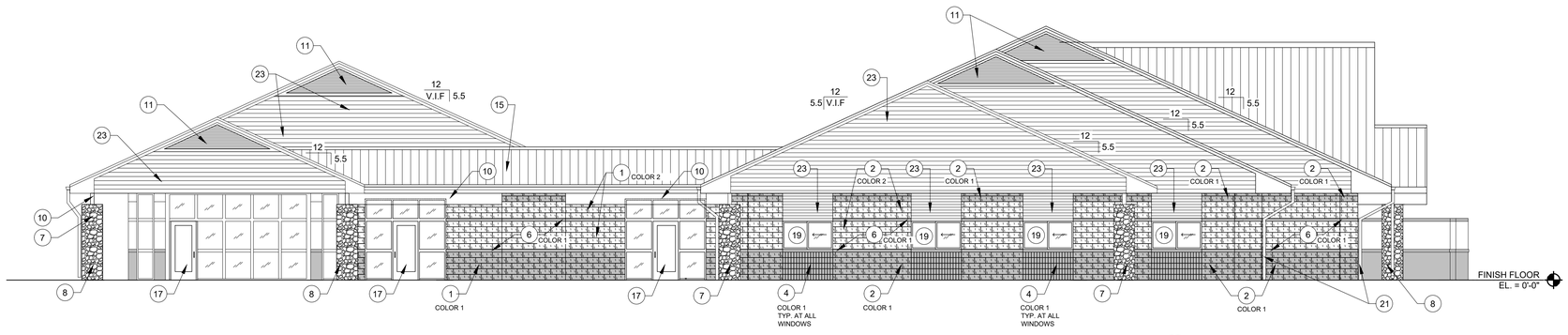


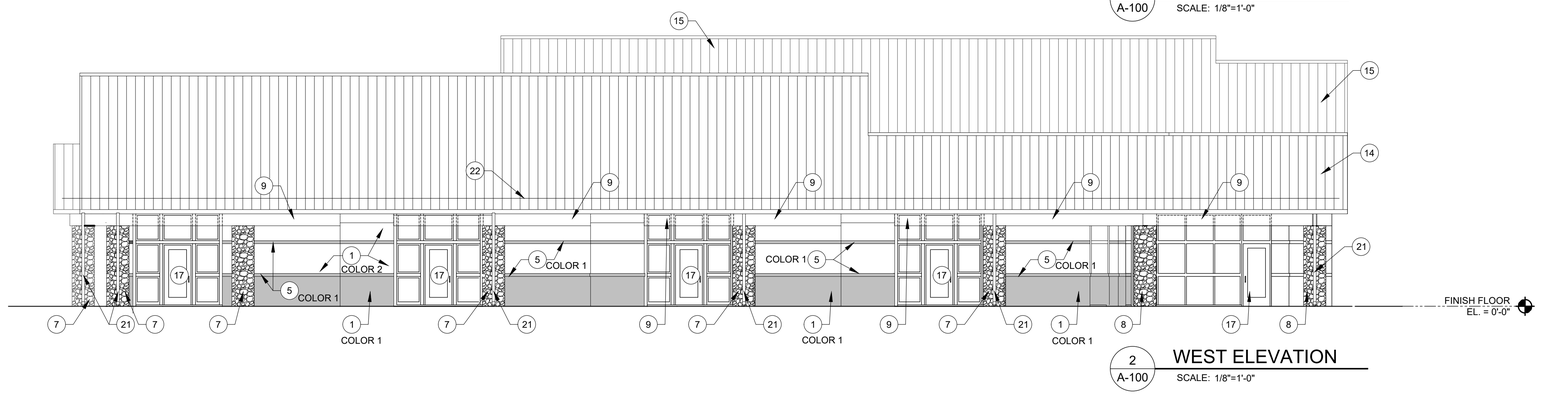
3 A-100 **EAST ELEVATION**

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



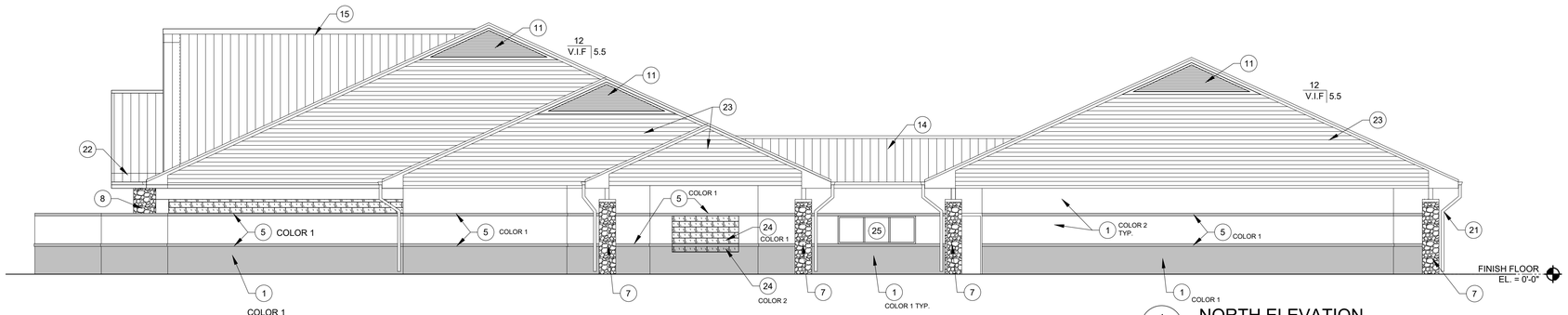
1 A-100 **SOUTH ELEVATION**

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



2 A-100 **WEST ELEVATION**

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



1 A-100 **NORTH ELEVATION**

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

ELEVATION KEYNOTES

1. EXISTING SPLIT-FACED CMU (PAINT - COLOR 1 & 2)
2. NEW SPLIT-FACED CMU (PAINT - COLOR 1 & 2)
3. EXISTING SCORED SPLIT-FACED CMU (PAINT - COLOR 1 & 2)
4. NEW SCORED SPLIT-FACED CMU (PAINT - COLOR 1 & 2)
5. EXISTING 4" HIGH CMU ACCENT BAND (PAINT - COLOR 1 & 2)
6. NEW 4" HIGH CMU ACCENT BAND (PAINT - COLOR 1 & 2)
7. NEW STONE VENEER ON EXISTING MASONRY PIER
8. NEW STONE AND MASONRY PIER
9. EXISTING GLU-LAMINATED BEAM (PAINT)
10. NEW GLU-LAMINATED BEAM (PAINT)
11. NEW TRIANGULAR GABLE VENT (PAINT)
12. EXISTING METAL FASCIA
13. NEW METAL FASCIA TO MATCH ROOF
14. NEW STANDING SEAM METAL ROOF ON EXISTING ROOF
15. NEW STANDING SEAM METAL ROOF ON NEW ROOF
16. EXISTING DOOR AND FRAME
17. NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE.
18. EXISTING WINDOW
19. NEW HORIZONTAL SLIDING ALUMINUM WINDOW
20. EXISTING ALUMINUM STOREFRONT
21. NEW GUTTER & DOWNSPOUT
22. NEW SNOWGUARDS (COLOR TO MATCH ROOF)
23. NEW HORIZONTAL SIDING
24. INFILL EXISTING OPENING WITH NEW SPLIT FACE CMU. TOOTH-IN NEW CMU AT JAMBS
25. NEW FIXED ALUMINUM WINDOW

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08/09/2025	DESIGN DEVELOPMENT
11/05/2024	PROGRESS SET
12/09/2024	90% OWNER REVIEW
12/20/2024	100% CD

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Checked:	KN
Approved:	MR

Sheet Title:
EXTERIOR ELEVATIONS

Project Number: 24361.A

Sheet Number: A-200

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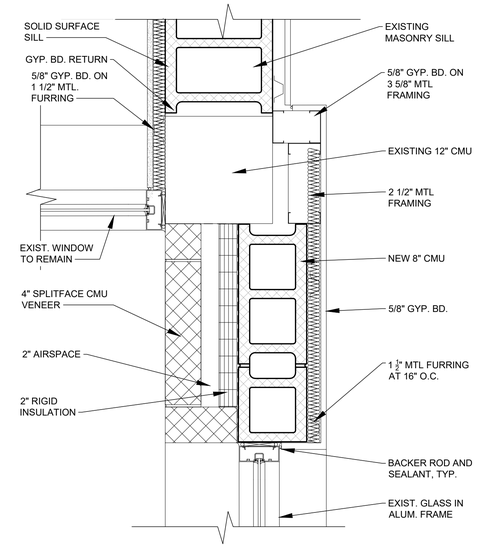
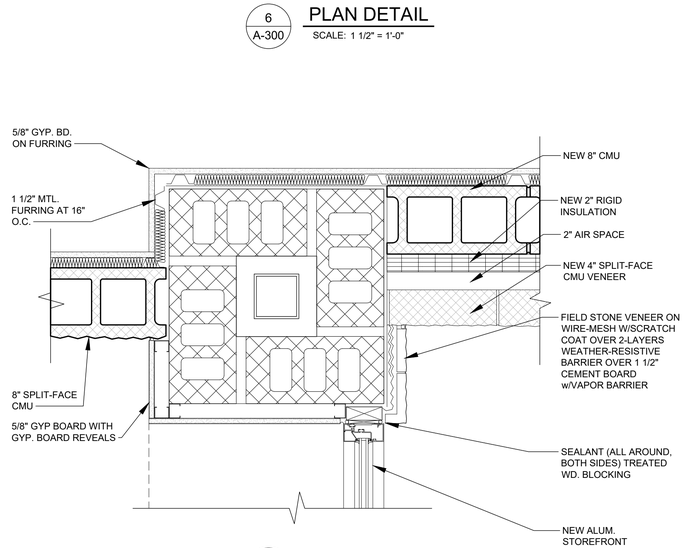


3 A-300 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



5 A-300 PLAN DETAIL
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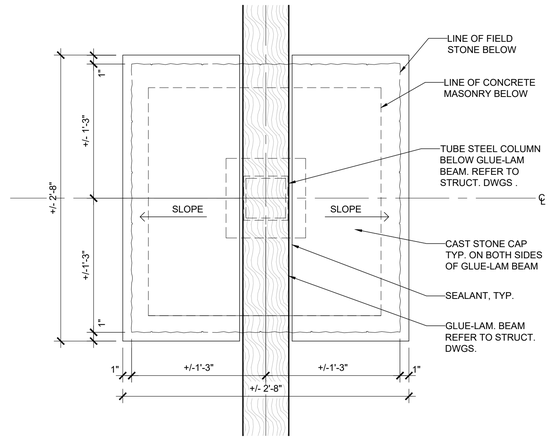

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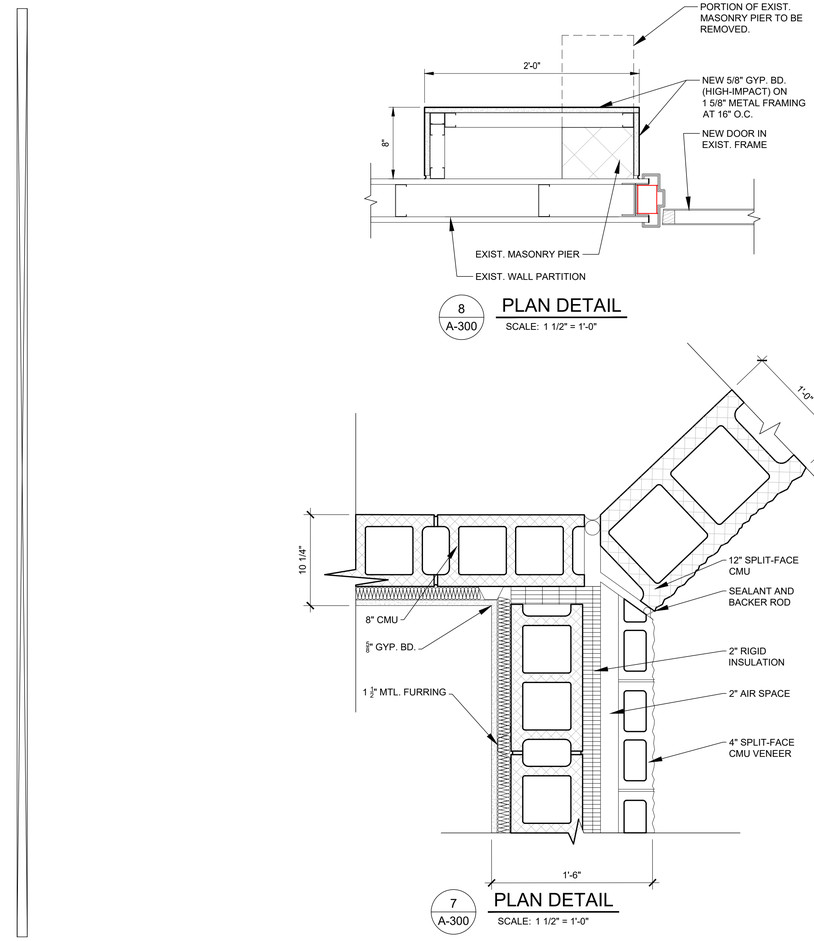
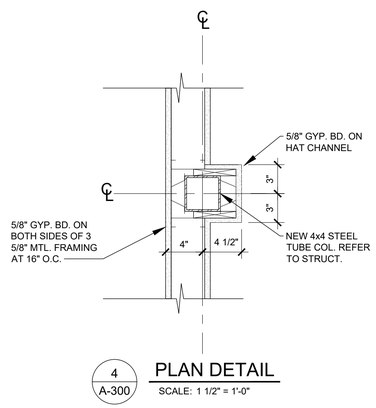
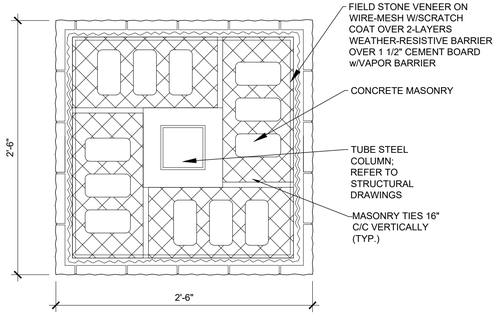


8 A-300 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

7 A-300 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



4 A-300 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



1 A-300 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Sheet Title:
PLAN DETAILS

Project Number: 24361.A

Sheet Number: A-300

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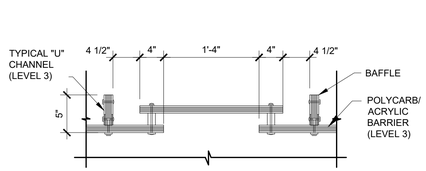
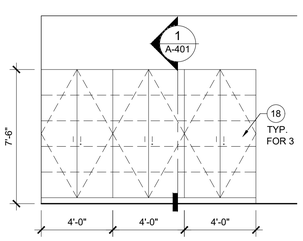
INTERIOR ELEVATION NOTES

1. NEW 2'-0" X 1'-0" WALL TILE
2. NEW ADULT CHANGING SATION
3. NEW DOOR & FRAME. REFER TO DOOR SCHEDULE
4. NEW TOILET
5. NEW GRAB BARS
6. NEW SINK
7. NEW MIRROR
8. NEW SOAP DISPENSER
9. NEW PAPER TOWEL DISPENSER/DISPOSAL
10. NEW TOILET PAPER DISPENSER
11. NEW SANITARY NAPKIN DISPOSAL
12. NEW METAL TOILET PARTITION
13. NEW PLASTIC LAMINATE BASE CABINET
14. NEW PLASTIC LAMINATE WALL CABINET
15. NEW MILLWORK FILLER
16. NEW SOLID SURFACE COUNTERTOP & BACKSPLASH
17. NEW APPLIANCES PROVIDED BY OWNER
18. NEW P.LAM. TALL WALL CABINETS.
19. NEW URINAL
20. NEW STAINLESS STEEL POST W/TEMPERED GLASS; BASIS OF DESIGN: CRL SLIMLINE SERIES PARTITION POST
21. NEW SOLID SURFACE COUNTER AT RECEPTION
22. NEW ADULT CHANGING STATION
23. ALTERNATE NO. 1: NEW BALLISTIC GLASS.

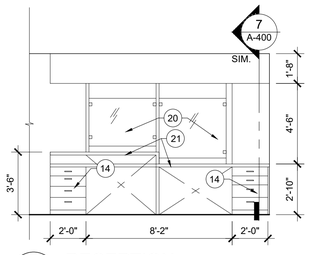
NOTE:
1. PROVIDE ALL NEW WOOD BLOCKING FOR REQUIRED MILLWORK AND AT THE ADULT CHANGING STATION.



9 A-401 ENLARGED PLAN DETAIL
SCALE: 1" = 1'-0"



8 A-111 CORRIDOR 101
SCALE: 1/4" = 1'-0"



7B A-111 RECEPTION
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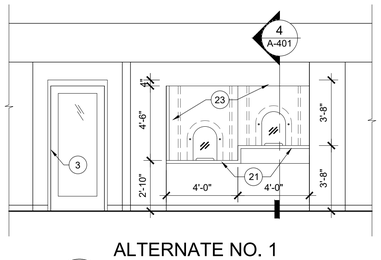

7A A-111 ALTERNATE NO. 1 CORRIDOR 101
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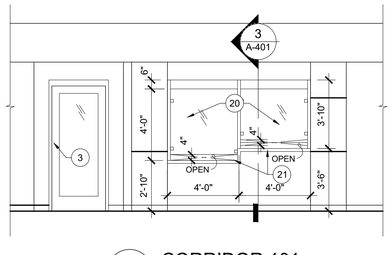

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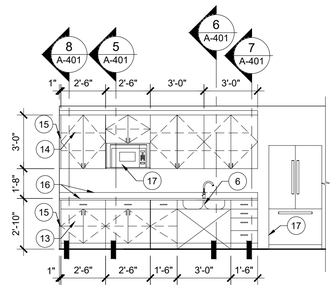

6 A-111 SENIOR KITCHENETTE 103
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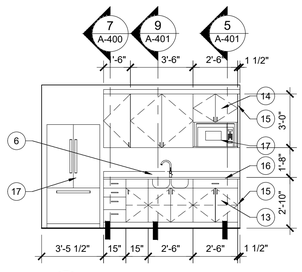

5 A-111 CORRIDOR 138
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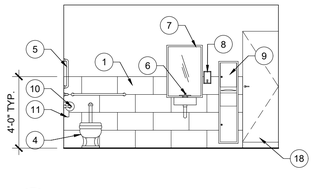
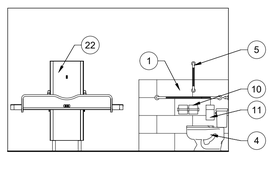


4 A-111 UNISEX TOILET ROOM 126
SCALE: 1/4" = 1'-0"



3 A-111 UNISEX TOILET ROOM 105
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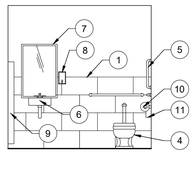

3 A-111 UNISEX TOILET ROOM 105
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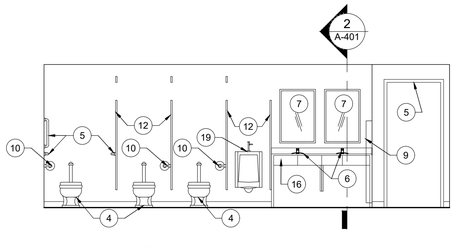

2 A-111 MEN'S TOILET ROOM 119
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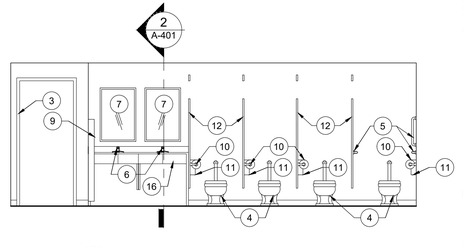

1 A-111 WOMEN'S TOILET ROOM 120
SCALE: 1/4" = 1'-0"

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Sheet Title:
INTERIOR ELEVATIONS

Project Number: 24361.A

Sheet Number: A-400

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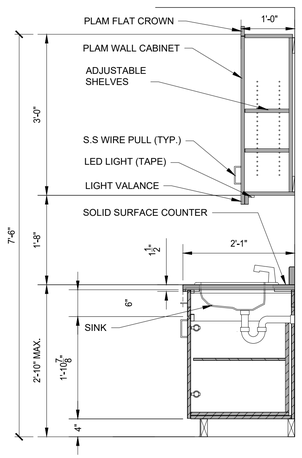

9 A-400 MILLWORK DETAIL
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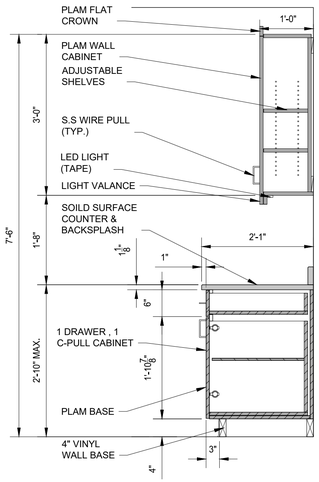

8 A-400 MILLWORK DETAIL
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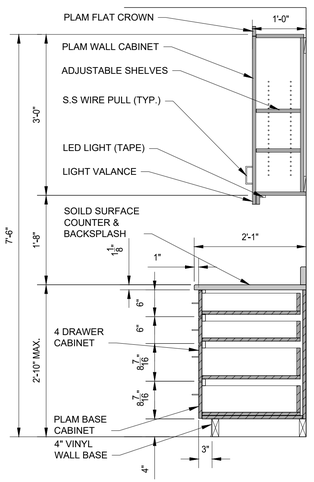

7 A-400 MILLWORK DETAIL
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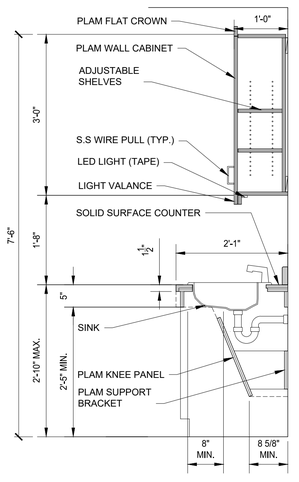
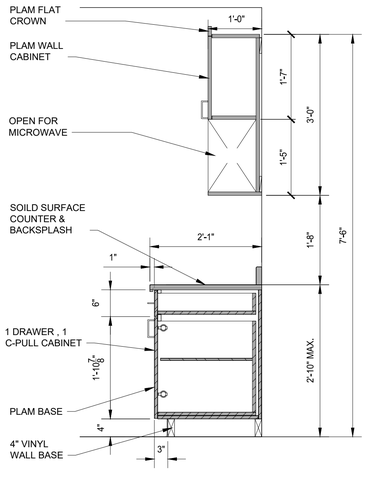


6 A-400 MILLWORK DETAIL
SCALE: 3/4" = 1'-0"



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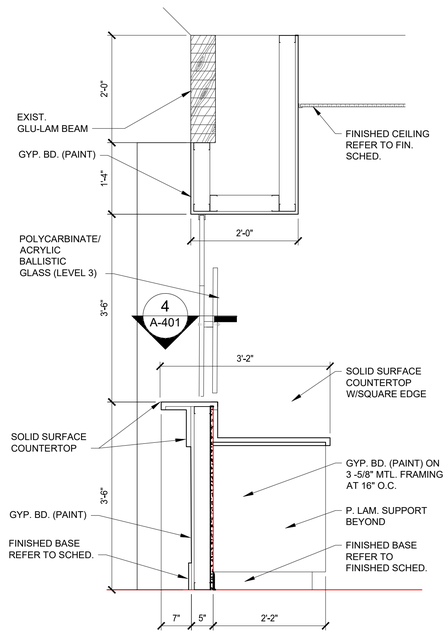

4 A-400 MILLWORK DETAIL
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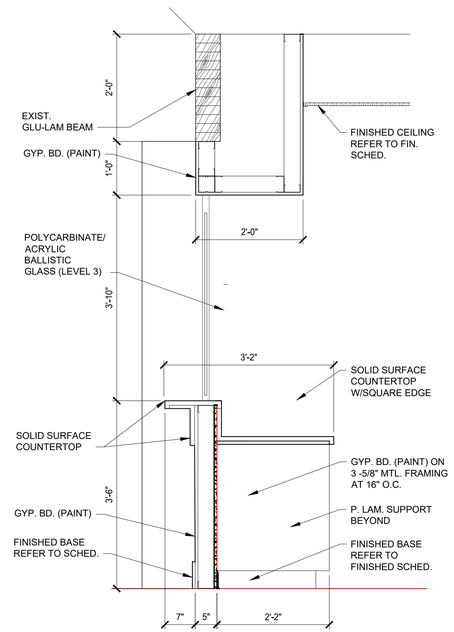

3 A-400 MILLWORK DETAIL
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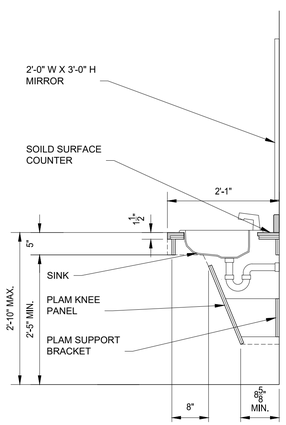

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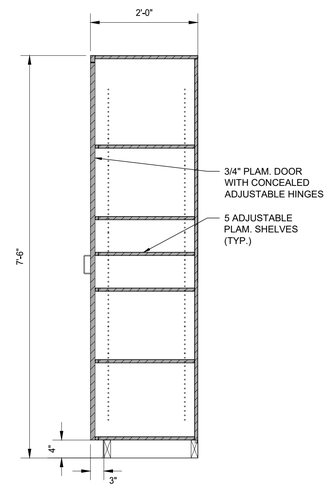

1 A-401 MILLWORK DETAIL
SCALE: 3/4" = 1'-0"

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
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Sheet Title:
MILLWORK DETAILS

Project Number: 24361.A

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REFLECTED CEILING PLAN

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

REFLECTED CEILING PLAN LEGEND

REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON LIGHT FIXTURES

- CEILING NOT IN SCOPE
- TONGUE AND GROOVE WOOD SOFFIT PANEL (INTERIOR ONLY) ALUM. SOFFIT PANEL (EXTERIOR ONLY)
- GYPSUM BOARD CEILING
- 2'x4' LED LAY IN LIGHT FIXTURE
- COMPACT LED RECESSED DOWNLIGHT
- COMPACT LED DECORATIVE WALL SCONCE
- 2'x2' LAY-IN SUPPLY DIFFUSER
- 2'x2' LAY-IN RETURN AIR GRILLE
- 1'x2' LAY-IN RETURN AIR GRILLE
- EXHAUST FAN - REFER TO MECHANICAL DRAWINGS
- +'X'-'X" INDICATES CEILING / SOFFIT HEIGHT
- (S) EXISTING SPEAKER
- N.I.S. NOT IN SCOPE

GENERAL NOTES:

1. REMOVE EXISTING RECESSED LIGHTING IN VAULTED WOOD SLAT CEILING AND PATCH WOOD SLATS. REMOVE AND PROVIDE NEW WOOD SLATS AT ALL DAMAGED LOCATIONS AS REQUIRED. STAIN TO MATCH EXISTING.
2. ALL EXTERIOR SOFFITS TO BE REMOVED AND REPLACED WITH NEW TO MATCH NEW ROOF. PROVIDE PERFORATED SOFFIT PANELS FOR 50% OF THE SOFFIT AREA.
3. ALL EXPOSED STEEL LINTELS AT DOORS, WINDOWS, AND OPENINGS ARE TO BE PAINTED. REFER TO WALL SECTIONS AND STRUCTURAL PLAN FOR LOCATION OF LINTELS AND EXTENT OF EXPOSED STEEL TO BE PAINTED.
4. ALL EXISTING AND NEW EXTERIOR GLU-LAMINATED BEAMS ARE TO BE PAINTED; ALL NEW INTERIOR GLU-LAMINATED BEAMS ARE TO BE STAINED TO MATCH EXISTING.

REFLECTED CEILING PLAN:

1. NEW METAL SOFFIT, TYPICAL U.N.O.
2. GLU-LAMINATE BEAM, PAINT
3. GLU-LAMINATE BEAM, STAIN
4. NEW MOVABLE PARTITION
5. NEW GYPSUM BOARD SOFFIT, PAINT
6. EXISTING GYPSUM BOARD SOFFIT, PAINT.
7. PROVIDE ACOUSTICAL CEILING TILE/GRID (VERTICALLY) FROM TOP OF THE EXISTING COOLER (APPROX. 8'-4", V.I.F.) TO THE EXISTING ACOUSTICAL TILE/GRID.
8. NEW CEILING TILE AND GRID.
9. NEW CEILING TILE. EXISTING GRID TO REMAIN.
10. EXISTING STAINED WOOD T+G SLAT CEILING. REMOVE ANY DAMAGED WOOD AND REPLACE WITH NEW.
11. NEW WOOD T+G SLAT CEILING. STAIN TO MATCH EXISTING.
12. EXISTING HARD CEILING TO REMAIN (EPOXY PAINT).
13. NEW T+G ALUMINUM SOFFIT.

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Sheet Title:
OVERALL REFLECTED CEILING PLAN

Project Number: 24361.A

Sheet Number: A-510

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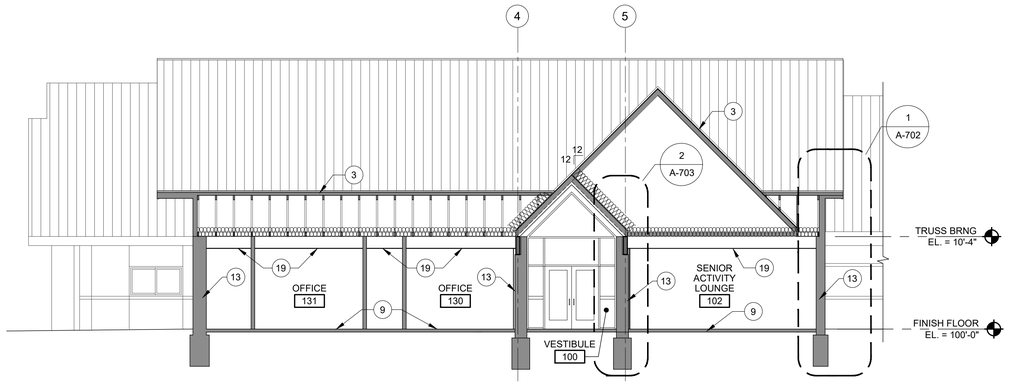
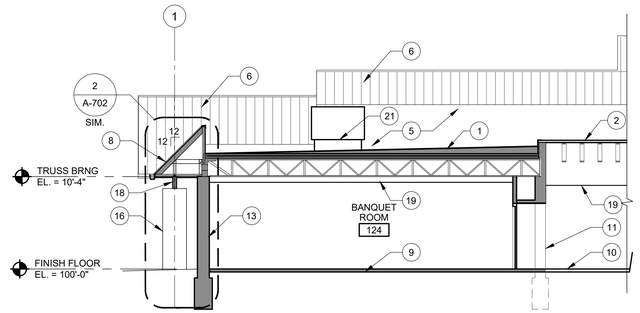


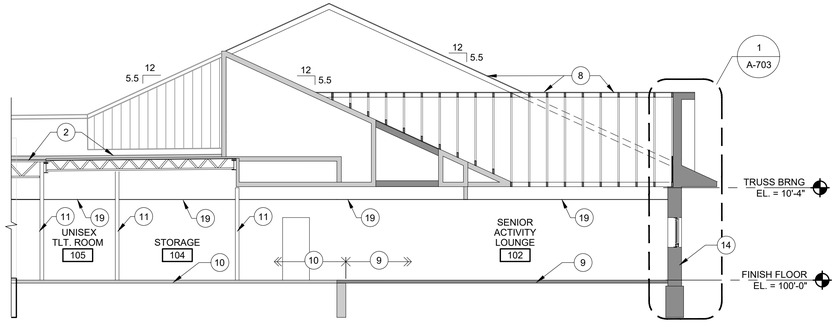
5 A-110 **BUILDING SECTION**
SCALE: 1/8" = 1'-0"



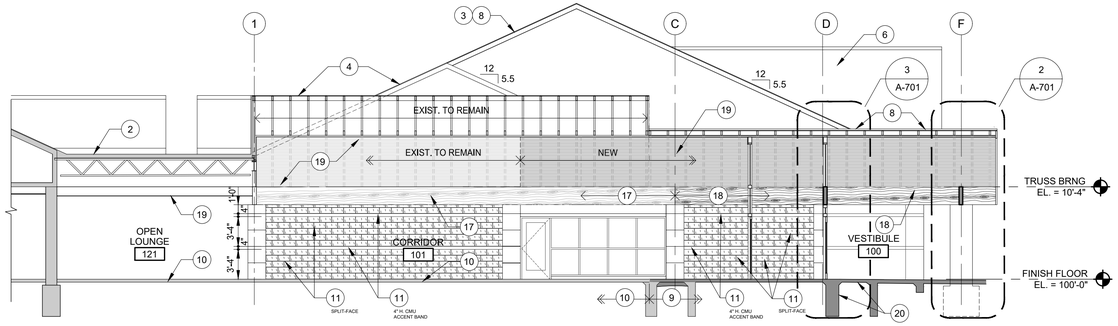
4 A-110 **BUILDING SECTION**
SCALE: 1/8" = 1'-0"

BUILDING SECTION NOTES:

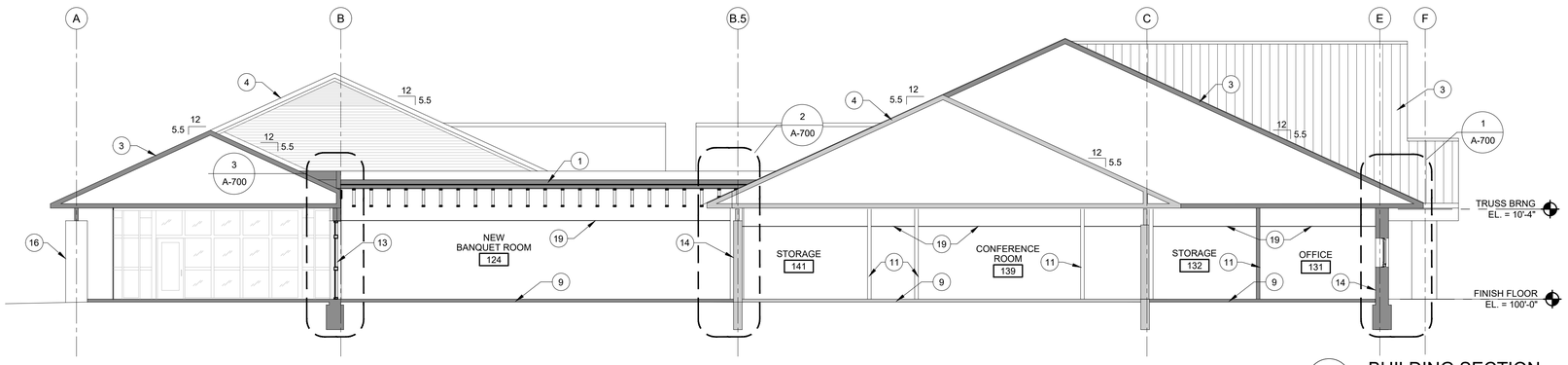
1. NEW SINGLE PLY ROOF MEMBRANE ON NEW TAPERED INSULATION ON NEW PLYWOOD DECK ON NEW PRE-ENG. WOOD TRUSSES.
2. NEW SINGLE PLY ROOF MEMBRANE ON EXISTING ROOF INSULATION ON EXISTING WOOD DECK ON EXISTING PRE-ENG. WOOD TRUSSES.
3. NEW STANDING SEAM METAL ROOF ON PLYWOOD DECK ON NEW PRE-ENG. WOOD TRUSSES.
4. NEW STANDING SEAM METAL ROOF ON EXIST. WOOD DECK ON EXISTING PRE-ENG. WOOD TRUSSES.
5. NEW ROOF MEMBRANE TO RUN UP EXISTING WALL.
6. NEW STANDING SEAM METAL ROOF BEYOND.
7. PROVIDE STEP FLASHING WHERE STANDING SEAM METAL ROOF MEETS THE WALL, TYPICAL
8. NEW STANDING SEAM METAL ROOF ON NEW PLYWOOD DECK ON NEW WOOD FRAMING. REFER TO STRUCT. DWGS.
9. NEW CONCRETE FLOOR SLAB
10. EXISTING CONCRETE FLOOR SLAB
11. NEW INTERIOR WALL.
12. EXISTING INTERIOR WALL
13. NEW EXTERIOR WALL
14. EXISTING EXTERIOR WALL.
15. NEW STONE ON EXISTING MASONRY PIER
16. NEW STONE ON NEW MASONRY PIER
17. EXISTING GLU-LAM. BEAM
18. NEW GLU-LAM BEAM. REFER TO STRUCT. DWGS.
19. FINISHED CEILING. REFER TO ROOM FINISH SCHEDULE.
20. NEW SUPPORTED SLAB. REFER TO STRUCT. DWGS.
21. NEW RTU ON NEW CURB. REFER TO STRUCT. DWGS.



3 A-110 **BUILDING SECTION**
SCALE: 1/8" = 1'-0"



2 A-110 **BUILDING SECTION**
SCALE: 1/8" = 1'-0"



1 A-110 **BUILDING SECTION**
SCALE: 1/8" = 1'-0"

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Client:
Brownstown Township

Project:
Brownstown Community Center Rennovation & Addition

21311 Telegraph Rd.
Brownstown, MI

Seal:

NOT FOR CONSTRUCTION

Date	Issued For
08/09/2025	DESIGN DEVELOPMENT
11/05/2024	PROGRESS SET
12/09/2024	90% OWNER REVIEW
12/20/2024	100% CD

Drawn:	AM/KN/NC
Checked:	KN
Approved:	MR

Sheet Title:
BUILDING SECTIONS

Project Number: 24361.A

Sheet Number: A-600

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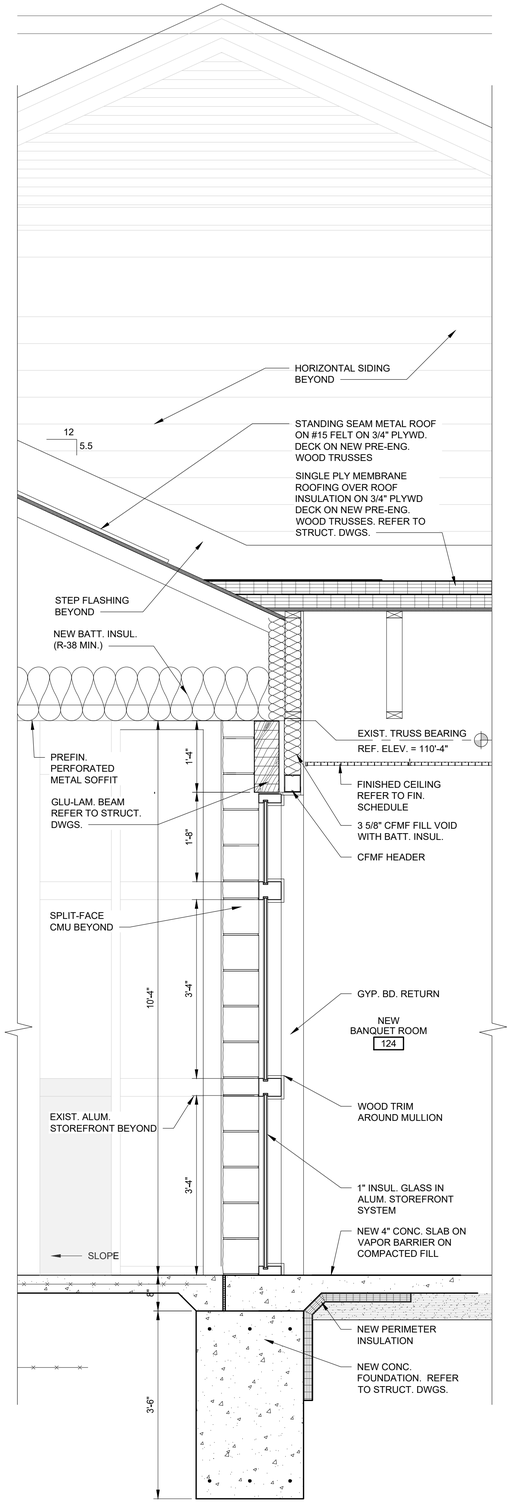
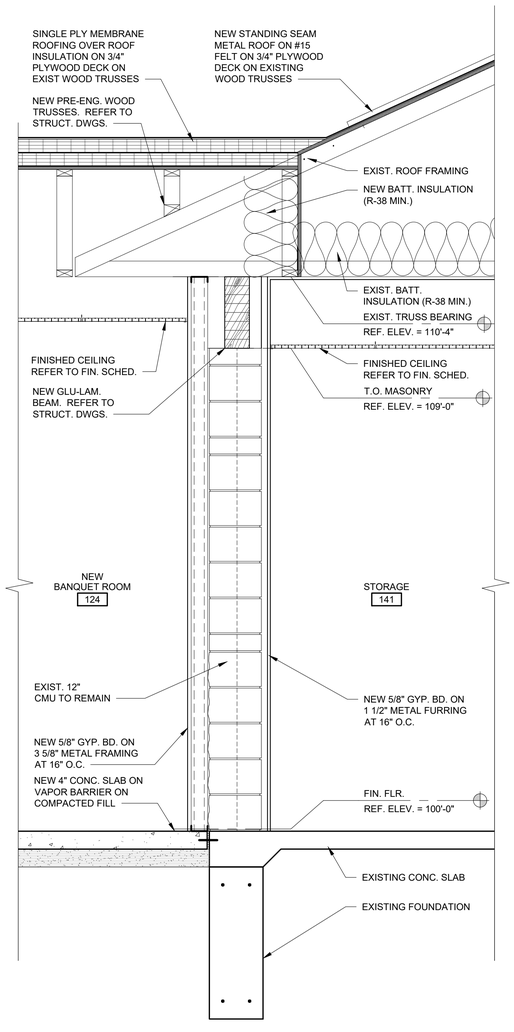
GENERAL NOTE:

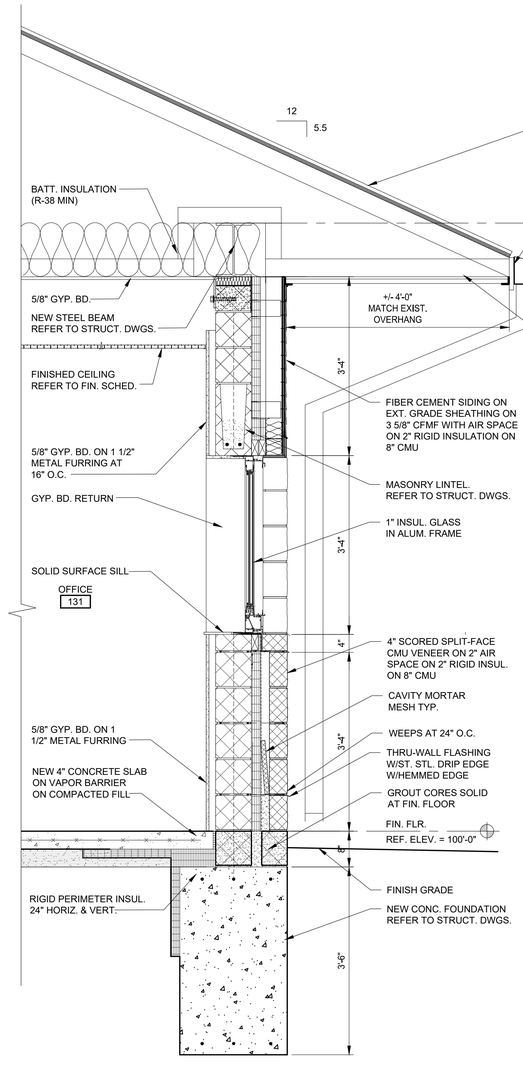
1. PROVIDE ICE AND WATER SHIELD AT ALL EAVES TO MINIMUM 24" BEYOND LINE OF INSIDE FACE OF WALL AND 36" AT VALLEYS (TYPICAL) AS SHOWN ON ROOF PLAN SHEET A-120.



3 A-600 WALL SECTIONS
SCALE: 3/4"=1'-0"



2 A-600 WALL SECTIONS
SCALE: 3/4"=1'-0"



1 A-600 WALL SECTIONS
SCALE: 3/4"=1'-0"

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Sheet Title:
WALL SECTIONS

Project Number: 24361.A

Sheet Number: A-700

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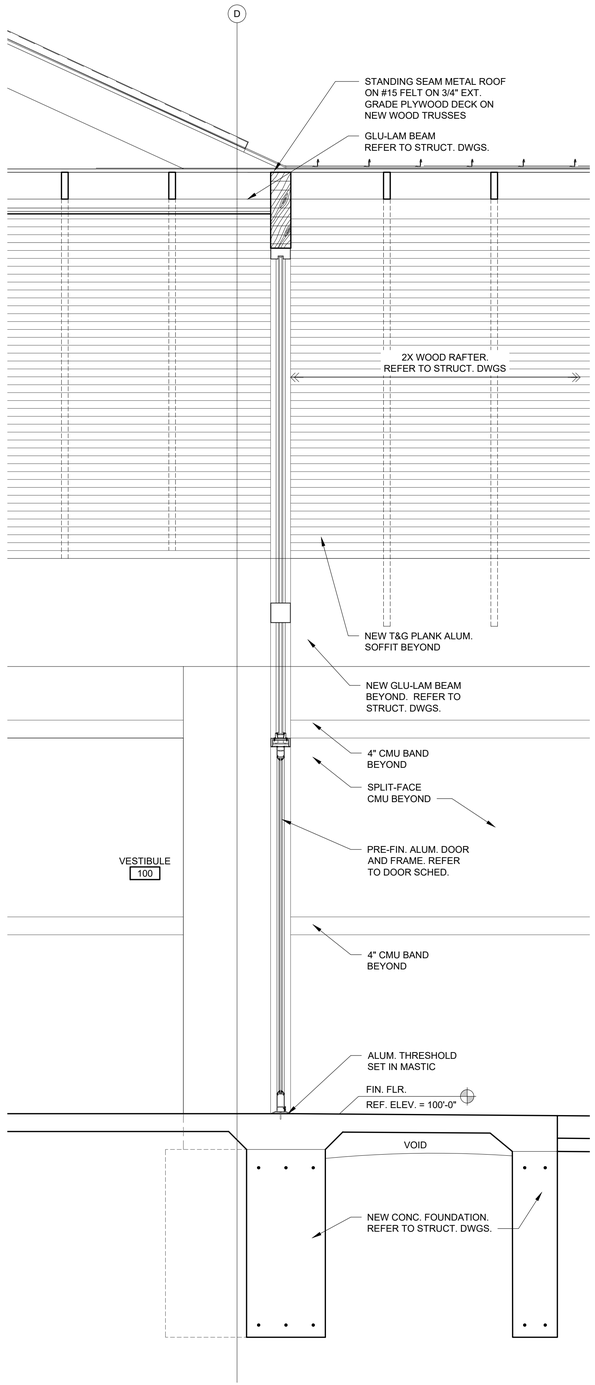
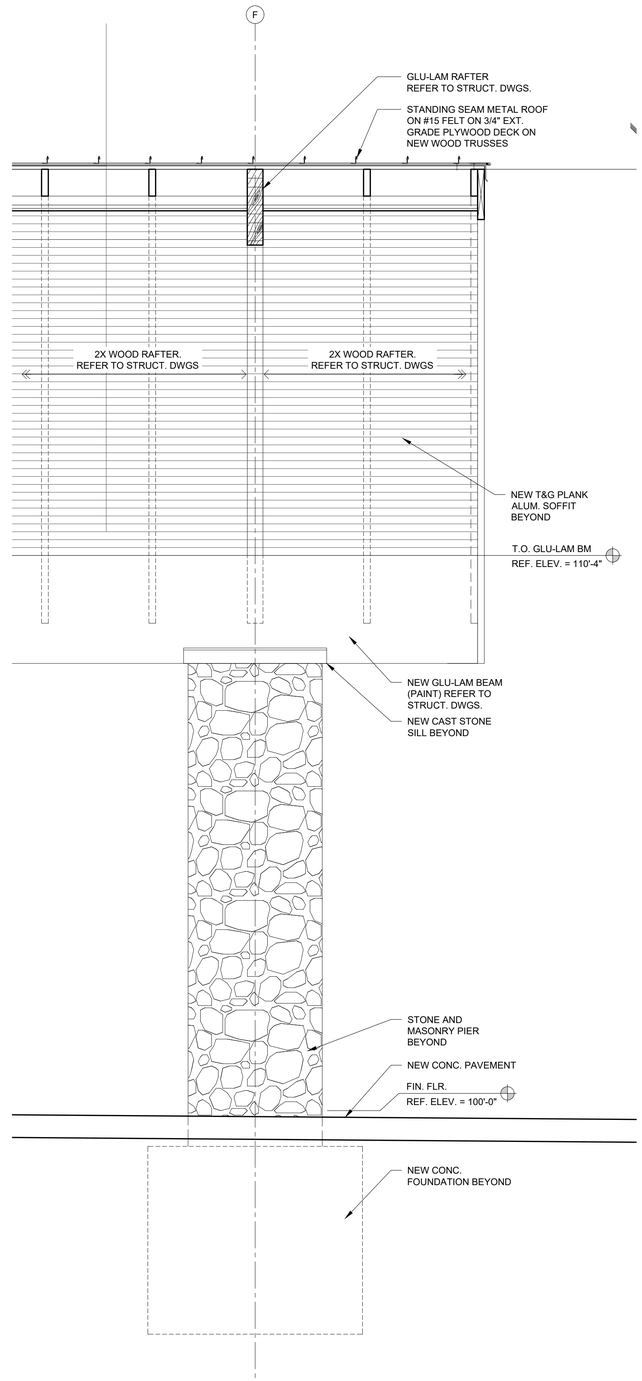
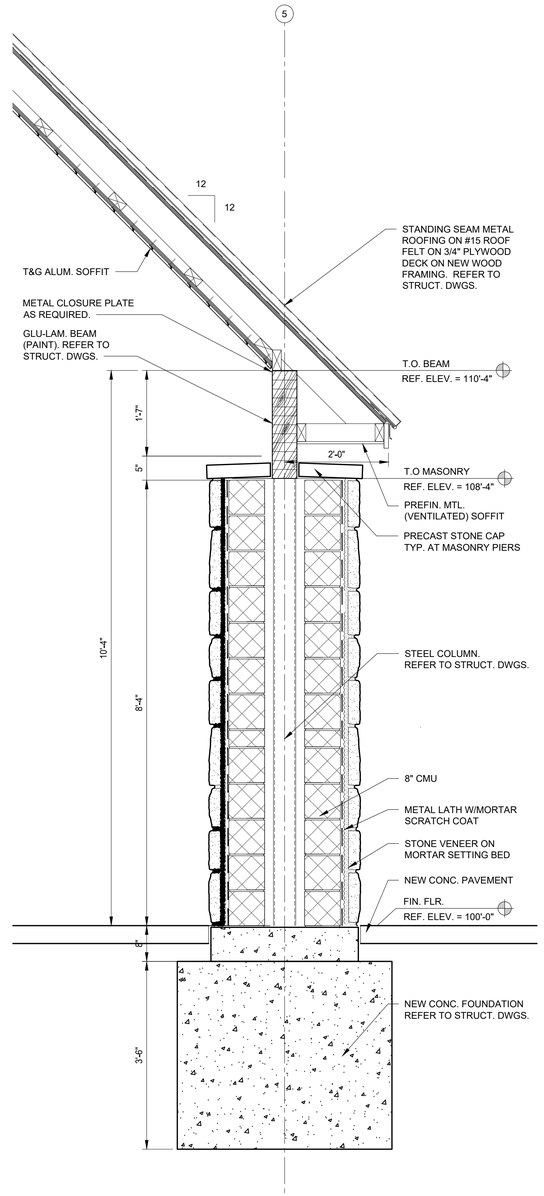


3 A-600 WALL SECTIONS
SCALE: 3/4"=1'-0"



2 A-600 WALL SECTIONS
SCALE: 3/4"=1'-0"



1 A-110 WALL SECTIONS
SCALE: 3/4"=1'-0"

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Sheet Title:
WALL SECTIONS

Project Number: 24361.A

Sheet Number: A-701

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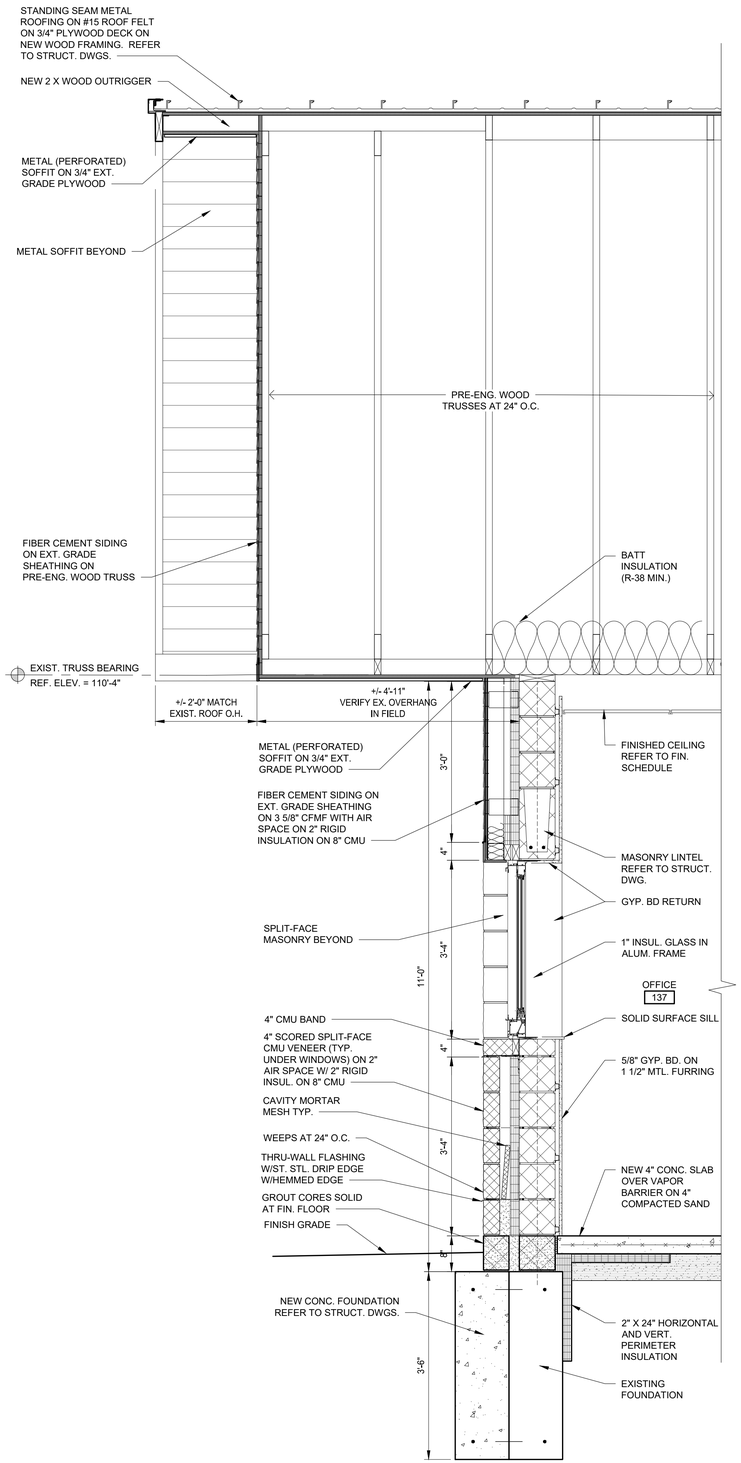
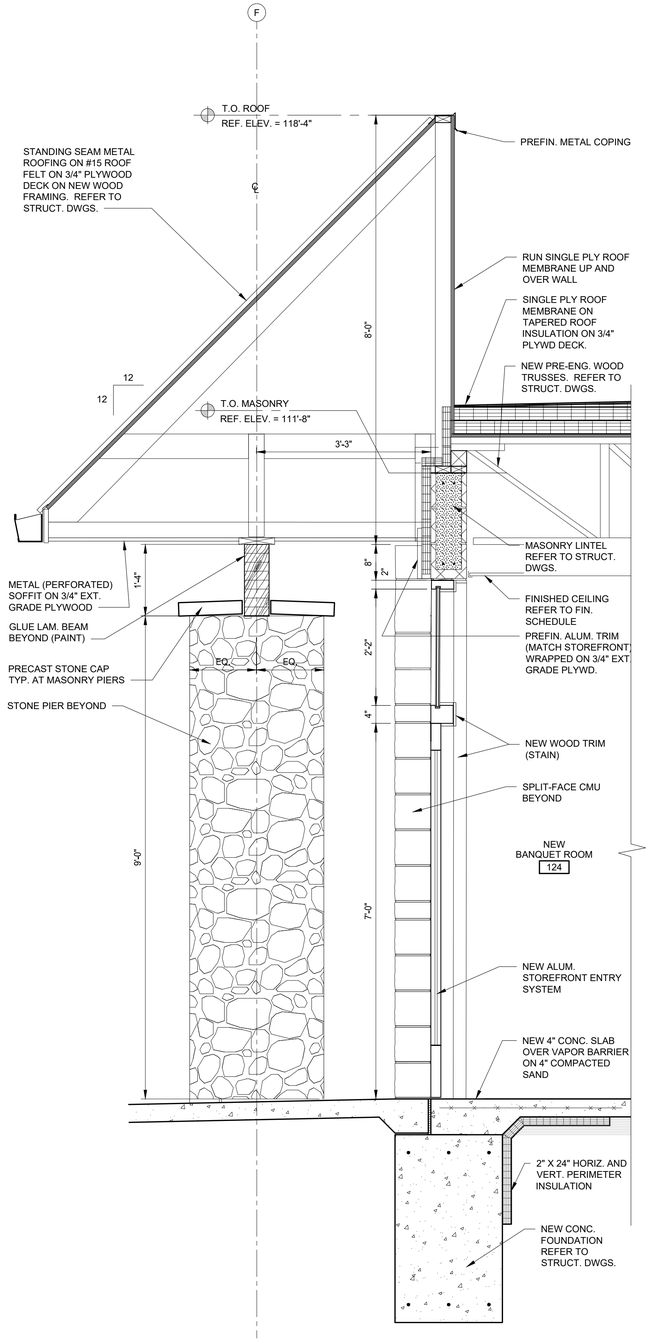


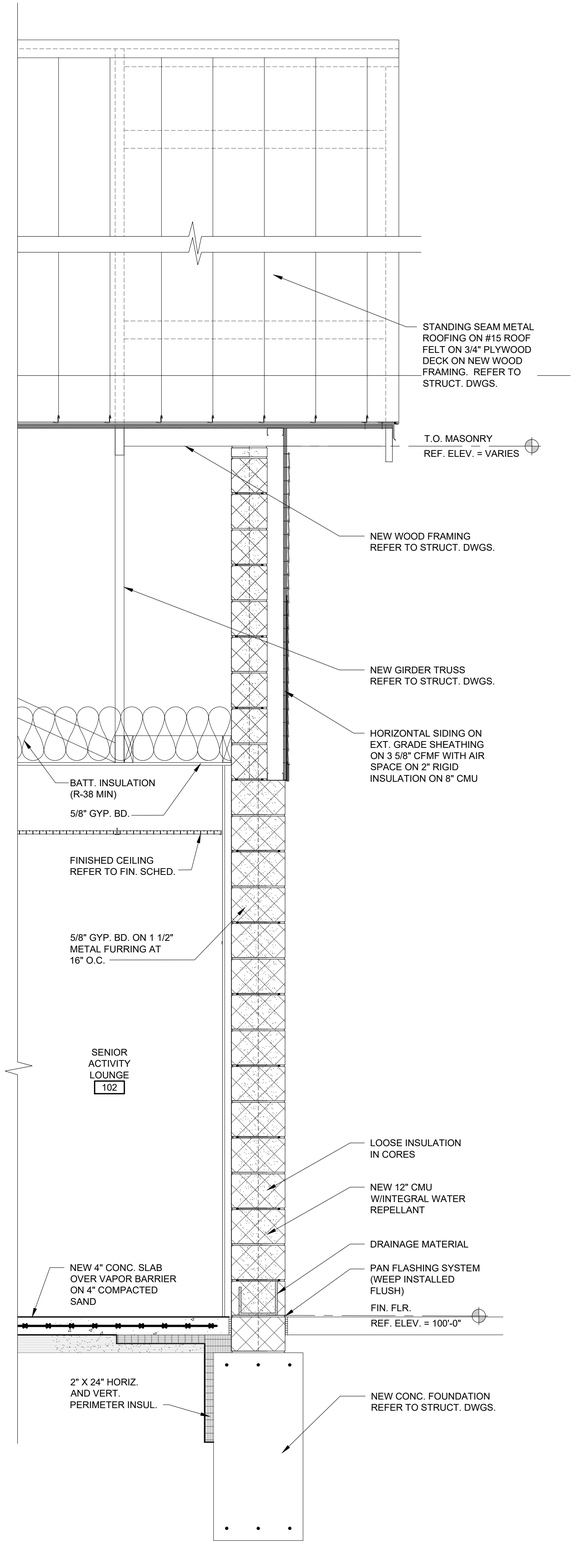
3 A-110 WALL SECTIONS

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



2 A-110 WALL SECTIONS

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



1 A-600 WALL SECTIONS

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WALL SECTIONS

Project Number: 24361.A

Sheet Number: A-702

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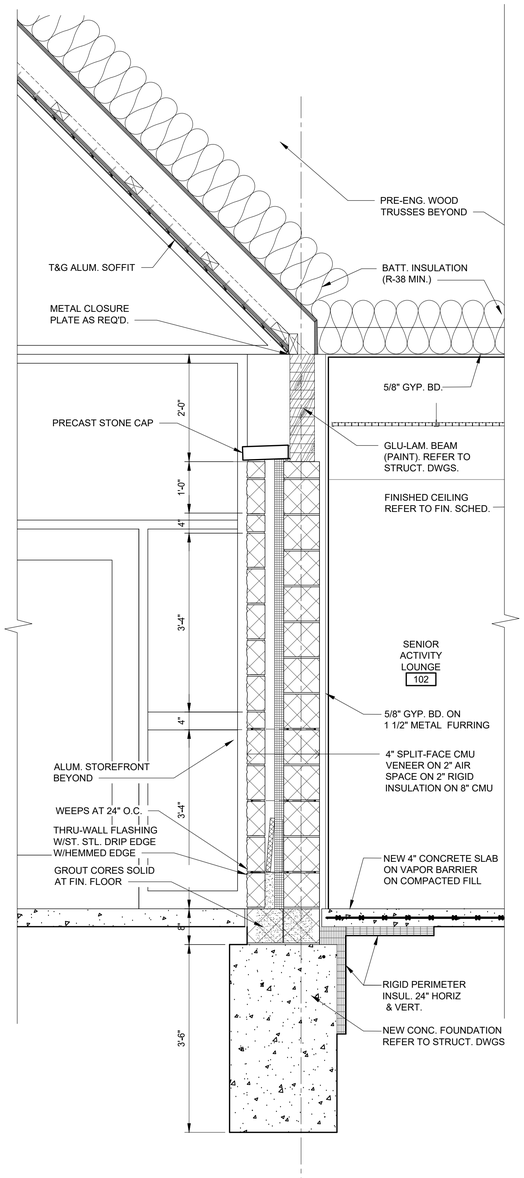
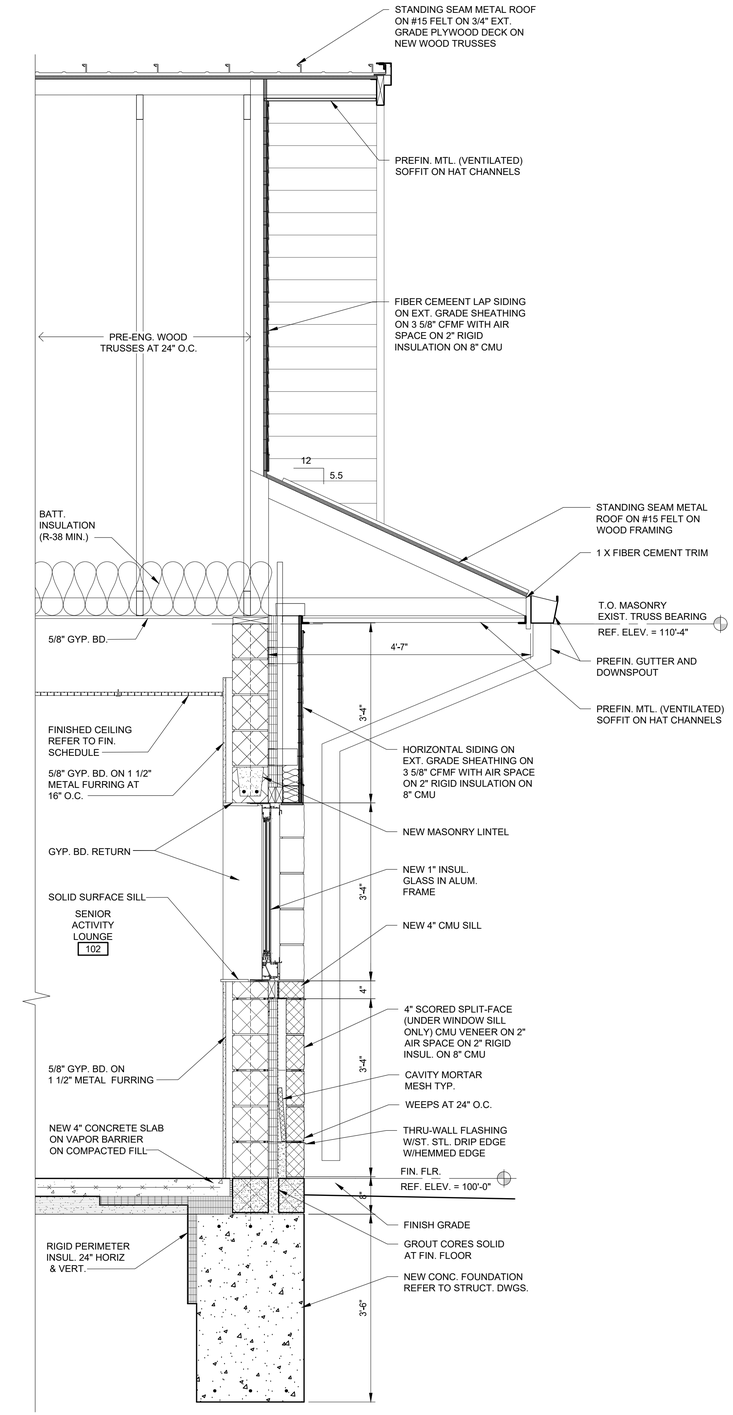


2 A-600 WALL SECTIONS
SCALE: 3/4"=1'-0"



1 A-600 WALL SECTIONS
SCALE: 3/4"=1'-0"

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Sheet Title:
WALL SECTIONS

Project Number: 24361.A

Sheet Number: A-703

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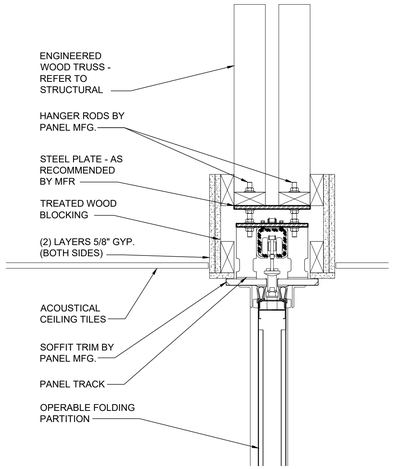
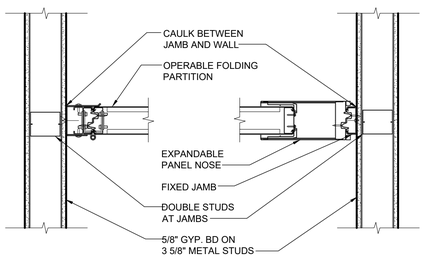
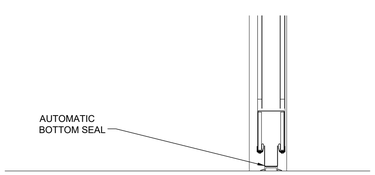
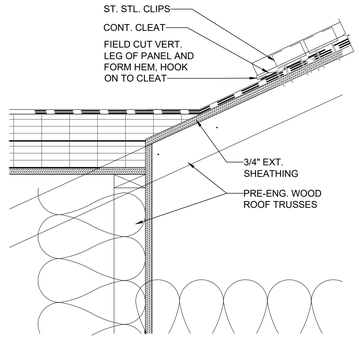


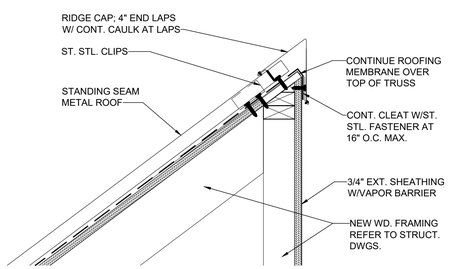




5 A-510 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

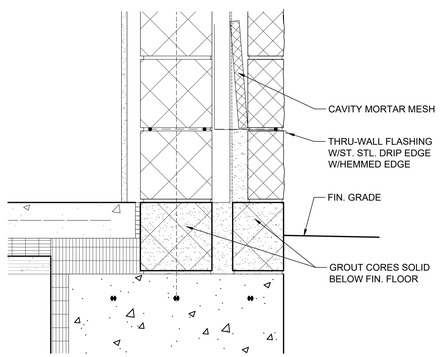


3 A-700 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



4 A-702 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

2 A-700 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



1 A-700 A-702 A-703 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Sheet Title:
DETAILS

Project Number: 24361.A

Sheet Number: A-704

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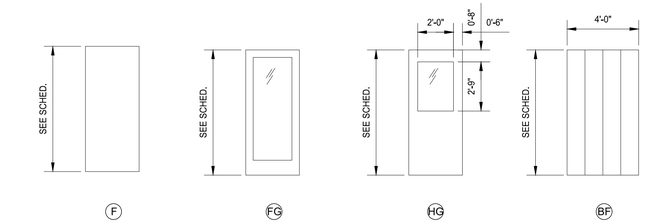
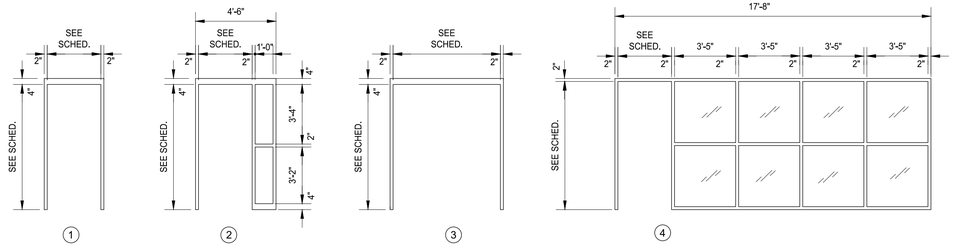
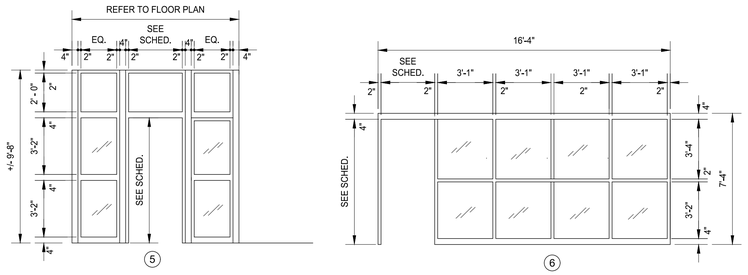
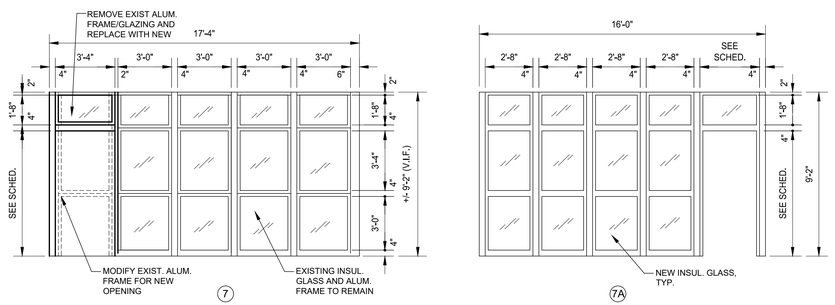


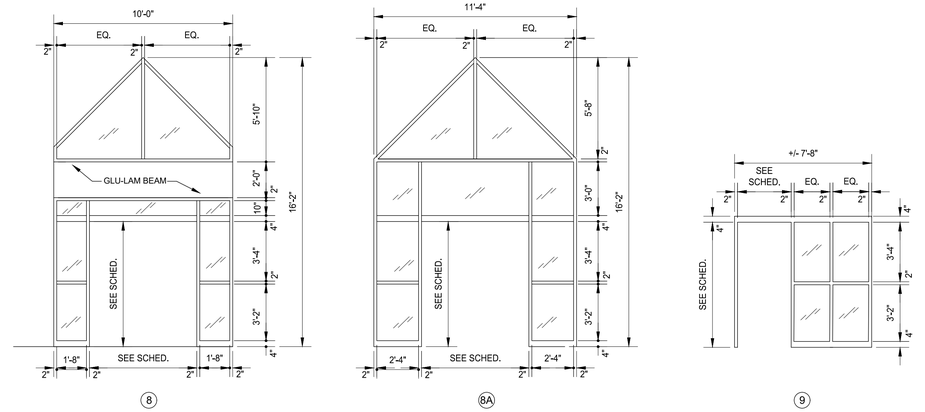
DOOR TYPES

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









FRAME TYPES

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

DOOR SCHEDULE

DOOR NO.	ROOM NAME	SIZE		DOOR					FRAME				THRESHOLD	DETAILS			COMMENTS	DOOR NO.
		WIDTH	HEIGHT	DOOR TYPE	DOOR ELEVATION	DOOR FINISH	FIRE RATING	HARDWARE SET	FRAME TYPE	FRAME ELEVATION	FRAME FINISH	FIRE RATING		HEAD	JAMB	SILL		
100A	VESTIBULE	(2) 3' - 0"	7' - 0"	ALUM	FG	PFM	-	1	ALUM	8	PFM	-	AL	H2 SIM	J2	S1	3,5	100A
100B	VESTIBULE	(2) 3' - 0"	7' - 0"	ALUM	FG	PFM	-	2	ALUM	8A	PFM	-	AL	H2	J2		3,5	100B
102	SENIOR ACTIVITY LOUNGE	3' - 0"	7' - 0"	SC	HG	ST	-	13	HM	6	PT	-	-	H3	J3		4	102
103	SENIOR KITCHENETTE	3' - 0"	7' - 0"	SC	F	ST	-	6	HM	1	PT	-	-	H3	J3			103
104	STORAGE	3' - 0"	7' - 0"	SC	F	ST	-	8	HM	1	PT	-	-	H3	J3			104
105	UNISEX TOILET ROOM	3' - 0"	7' - 0"	SC	F	ST	-	5	HM	1	PT	-	TRN	H3	J3			105
106	PASSAGE	3' - 0"	7' - 0"	SC	F	ST	-		HM	1	PT	-		H4	J4			106
107A	KITCHEN DIRECTOR	3' - 0"	7' - 0"	SC	HG	ST	-	10	HM	1	PT	-	-	H4	J4			107A
107B	KITCHEN DIRECTOR	3' - 0"	7' - 0"	SC	HG	ST	-		HM	1	PT	-	-	H4	J4			107B
112	KITCHEN	3' - 0"	7' - 0"	SC	F	ST			XHM	X1	XPT	-	-				1	112
114A	BANQUET ROOM	3' - 0"	7' - 0"	SC	HG	ST	-	11	HM	1	PT	-	-	H4	J4		5,6	114A
114B	BANQUET ROOM	3' - 0"	7' - 0"	ALUM	FG	PFM	-		ALUM	5	PFM	-	AL	H2	J2		5,6	114B
114C	BANQUET ROOM	3' - 0"	7' - 0"	SC	HG	ST			HM		PT	-		-	-		5,6	114C
115A	BANQUET ROOM	(2) 3' - 0"	7' - 0"	SC	HG	ST	-	11	HM	3	PT	-	-	-	-		5,6	115A
115B	BANQUET ROOM	3' - 0"	7' - 0"	ALUM	FG	PFM	-		ALUM	5	PFM	-	AL	H2	J2		5,6	115B
119	MENS TOILET ROOM	3' - 0"	7' - 0"	SC	HG	ST			XHM	X1	XPT	-					1	119
120	WOMENS TOILET ROOM	3' - 0"	7' - 0"	SC	HG	ST			XHM	X1	XPT	-					1	120
122A	BANQUET ROOM	(2) 3' - 0"	7' - 0"	SC	HG	ST	-	11	HM	3	PT	-	-	-	-		5,6	122A
122B	BANQUET ROOM	3' - 0"	7' - 0"	ALUM	FG	PFM	-		ALUM	5	PFM		AL	H2	J2		5,6	122B
123A	BANQUET ROOM	(2) 3' - 0"	7' - 0"	SC	HG	ST	-	11	HM	3	PT	-	AL	-	-		5,6	123A
123B	BANQUET ROOM	3' - 0"	7' - 0"	ALUM	FG	PFM	-	3	ALUM	7	PFM	-	AL	H2	J2		2,5,6	123B
123C	BANQUET ROOM	3' - 0"	7' - 0"	ALUM	FG	PFM	-		ALUM	5	PFM	-	AL	H2	J2		5,6	123C
124A	NEW BANQUET ROOM	(2) 3' - 0"	7' - 0"	SC	HG	ST	-	11	HM	3	PT	-	-					124A
124B	NEW BANQUET ROOM	3' - 0"	7' - 0"	ALUM	FG	PFM	-	3	ALUM	5	PFM	-	AL	H2	J1/J2		5,6	124B
124C	NEW BANQUET ROOM	3' - 0"	7' - 0"	ALUM	FG	PFM	-	3	ALUM	5	PFM	-	AL	H2	J1/J2		5,6	124C
124D	NEW BANQUET ROOM	(2) 3' - 0"	7' - 0"	SC	F	ST	-	8	HM	3	PT	-	-	H4 SIM	J4 SIM.			124D
124E	NEW BANQUET ROOM	(2) 3' - 0"	7' - 0"	SC	HG	ST	-	11	HM	3	PT	-	-	H2	J2			124E
124F	NEW BANQUET ROOM	(2) 3' - 0"	7' - 0"	ALUM	FG	PFM	-	3	ALUM	7A	PFM	-	AL	H2	J1/J2		5,6	124F
125	MECHANICAL ROOM	3' - 0"	7' - 0"	XHM	XF	PT	-		XHM	-	PT	-	-	-	-		7	125
126	UNISEX TOILET ROOM	3' - 0"	7' - 0"	SC	F	ST	-	5	HM	1	PT	-	TRN	H4	J4			126
127A	RECEPTION	3' - 0"	7' - 0"	SC	F	ST	-	6	HM	1	PT	-	-	H3 SIM	J3 SIM			127A
127B	RECEPTION	3' - 0"	7' - 0"	SC	F	ST	-		XHM	X1	XPT	-	-				1	127B
129	STORAGE	3' - 0"	7' - 0"	SC	F	ST	-	8	HM	1	PT	-	-	H3	J3			129
130	OFFICE	3' - 0"	7' - 0"	SC	HG	ST	-	6	HM	2	PT	-	-	H3	J3		4	130
131	OFFICE	3' - 0"	7' - 0"	SC	HG	ST	-	6	HM	2	PT	-	-	H3	J3		4	131
132	STORAGE	3' - 0"	7' - 0"	SC	F	ST	-	8	HM	1	PT	-	-	H3	J3			132
133	CORRIDOR	3' - 0"	7' - 0"	ALUM	HG	PFM	-	3	ALUM	1	PFM	-	AL	H1	J1		3	133
134	OFFICE	3' - 0"	7' - 0"	SC	HG	ST	-	6	HM	2	PT	-	-	H3	J3		4	134
134A	CLOSET	3' - 0"	7' - 0"	SC	BF	ST	-	7	HM	3	PT	-	-	H5	J5			134A
137	OFFICE	3' - 0"	7' - 0"	SC	F	ST	-	6	HM	2	PT	-	-	H3	J3		4	137
137A	CLOSET	3' - 0"	7' - 0"	SC	BF	ST	-	7	HM	3	PT	-	-	H5	J5			137A
139	CONFERENCE ROOM	3' - 0"	7' - 0"	SC	FG	ST	-	4	HM	4	PT	-	-	H3	J3		4	139
140	CORRIDOR	3' - 0"	7' - 0"	SC	FG	ST	-	3	HM	1	PT	-	-	H3	J3		3	140
141	STORAGE	3' - 0"	7' - 0"	SC	F	ST	-	8	HM	1	PT	-	-	H3	J3			141
143	OFFICE	3' - 0"	7' - 0"	SC	HG	ST	-	6	HM	2	PT	-	-	H3	J3		4	143
144	CLOSET	3' - 0"	7' - 0"	SC	F	ST	-	8	HM	1	PT	-	-	H3	J3			144
146	OFFICE	3' - 0"	7' - 0"	SC	HG	ST	-	6	HM	2	PT	-	-	H3	J3		4	146
146A	CLOSET	3' - 0"	7' - 0"	SC	BF	ST	-	7	HM	3	PT	-	-	H5	J5			146A
148A	VESTIBULE	3' - 0"	7' - 0"	HM	FG	PT	-	12	HM	1	PT	-	AL	H1 SIM.	J1 SIM.		3	148A

DOOR HARDWARE SETS

SET 1:
1 EA CONTINUOUS HINGE
1 EA EXIT DEVICE; (NIGHTLATCH)
1 EA CYLINDER
1 EA PULL
1 EA CONCEALED OVERHEAD STOP
1 EA DOOR OPERATOR
1 EA SWITCH
1 SET WEATHER SEALS
1 THRESHOLD
1 EA DOOR SWEEP
1 EA ELECTRIC POWER TRANSFER + HARNESSES
1 EA DOOR SWITCH
1 POWER SUPPLY
1 CARD READER BY OTHERS

SET 2:
1 EA CONTINUOUS HINGE
1 EA PUSH PULL
1 EA CONCEALED OVERHEAD STOP
1 EA DOOR OPERATOR
1 EA DOOR SWITCH

SET 3:
1 EA CONTINUOUS HINGE
1 EA CLOSER
1 EA MORTISE LOCKSET; ENTRY
1 EA EMERGENCY EXIT DEVICE; RIM
1 EA SET WEATHER SEALS
1 EA THRESHOLD
1 EA DOOR SWEEP
1 CARD READER BY OTHERS
1 POWER SUPPLY

SET 4:
3 EA HINGES
1 EA CLOSER
1 EA MORTISE LATCHSET; OFFICE
1 EA KICK-DOWN STOP
1 EA FLOOR STOP

SET 5:
3 EA HD HINGES
1 EA CLOSER
1 EA PRIVACY LOCK W/ INDICATORS
1 EA KICK PLATE
1 EA WALL STOP

SET 6:
3 EA HD HINGES
1 EA MORTISE LOCKSET; OFFICE
1 EA WALL STOP

SET 7:
1 SET BI-FOLD DOOR TRACK HARDWARE
2 EA PULLS

SET 8:
3 EA HD HINGES
1 EA CLOSER
1 EA MORTISE LOCKSET; STOREROOM
1 EA KICK-DOWN STOP

SET 10:
3 EA HD HINGES
1 EA PUSH PULL
1 EA PUSH PLATE
1 EA WALL STOP
1 EA CLOSER
1 EA. KICKPLATE

SET 11:
3 EA HD HINGES
1 EA CLOSER
1 EA.

SET 12:
1 EA CONTINUOUS HINGE
1 EA EXIT DEVICE; (NIGHTLATCH)
1 EA CYLINDER
1 EA DOOR OPERATOR
1 SET WEATHER SEALS
1 THRESHOLD
1 EA DOOR SWEEP
1 EA ELECTRIC POWER TRANSFER + HARNESSES
1 EA DOOR SWITCH
1 POWER SUPPLY
1 CARD READER BY OTHERS

DOOR HARDWARE COMMENTS:

1. EXISTING HOLLOW METAL FRAME TO REMAIN. REMOVE AND REPLACE EXISTING DOOR AND HARDWARE.
2. EXISTING ALUMINUM FRAME AND GLAZING TO REMAIN. MODIFY PORTION OF FRAME FOR NEW OPENING. MODIFY INTERIOR WOOD TRIM AS REQUIRED.
3. CARD READER BY OTHERS
4. PROVIDE 1/4" LAMINATED, TEMPERED GLASS IN DOOR/FRAME.
5. PROVIDE 1" INSULATED GLASS IN DOOR/FRAME.
6. PROVIDE NEW WOOD TRIM ON INTERIOR OF ALL NEW ALUMINUM STOREFRONT.
7. EXISTING HOLLOW METAL DOOR AND FRAME TO REMAIN. PAINT BOTH DOOR AND FRAME.

SCHEDULE LEGEND

PFM	**PRE-FINISHED METAL**
HM	**HOLLOW METAL**
ALUM	**PRE-FINISHED ALUMINUM**
SF	**STRUCTURAL STEEL FRAME (BUILDING FRAME COMPONENT)**
SC	**SOLID CORE WOOD DOOR**
OH	**OVERHEAD SECTIONAL DOOR**
PT	**PAINT**
FPT	**FACTORY PAINT**
ST	**STAINED**
TRN	**ALUMINUM TILE TRANSITION STRIP (SCHLUTER PRODUCT)**
X	**EXISTING TO REMAIN**

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
Lansing • Gaylord • Sault Ste. Marie
Williamsport, PA • Tampa, FL
www.sidockgroup.com

Client:
Brownstown Township

Project:
Brownstown Community Center Rennovation & Addition

21311 Telegraph Rd.
Brownstown, MI

Seal:

NOT FOR CONSTRUCTION

Date	Issued For
08/09/2025	DESIGN DEVELOPMENT
11/05/2024	PROGRESS SET
12/09/2024	90% OWNER REVIEW
12/20/2024	100% CD

Drawn: AM/KN/NC
Checked: KN
Approved: MR

Sheet Title:
DOOR SCHEDULE

Project Number: 24361.A

Sheet Number: A-900

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FINISH SELECTIONS

PAINT

PT1 (FIELD)
MFR SHERWIN WILLIAMS
COLOR SILVERPLATE SW7649
FINISH SEMI-GLOSS

PT2 (ACCENT 1)
MFR SHERWIN WILLIAMS
COLOR ELLIE GRAY SW7650
FINISH SEMI-GLOSS

PT3 (ACCENT 2)
MFR SHERWIN WILLIAMS
COLOR SMOKY BLUE SW7604
FINISH SEMI-GLOSS

PT4 (INT. H.M. DOOR FRAME)
MFR SHERWIN WILLIAMS
COLOR CYBERSPACE 7076
FINISH SATIN

PT5 (CEILING)
MFR SHERWIN WILLIAMS
COLOR EXTRA WHITE SW7006
FINISH SATIN

EPOXY PAINT

EP1
MFR SHERWIN WILLIAMS
COLOR SAME AS PT1
FINISH SEMI-GLOSS

EP2
MFR SHERWIN WILLIAMS
COLOR SAME AS PT5
FINISH SEMI-GLOSS

WOOD DOOR

ST1
MFR RED OAK
SPECIES MASONITE ARCHITECTURAL
COLOR SERENGETI, SE18

LAMINATE

PL1 BASE CABINET
MFR WILSON ART
COLOR CARBON MESH 4880-38

PL2 UPPER CABINET
MFR WILSON ART
COLOR CENIZO CHERRY 8239

PL3 PL SUPPORTS
MFR WILSON ART
COLOR SNOW WHITE VELVET 15501-31

CEILING

ACT1 LAY-IN CEILING TILE AND GRID
MFR ARMSTRONG
SIZE 24 x 24 x 5/8
TILE CANYON HUMIGUARD
GRID PRELUDE 15/16
COLOR WHITE

ACT2 LAY-IN CEILING TILE AND GRID
MFR ARMSTRONG
SIZE 24 x 24 x 5/8
TILE CERAMAGUARD FINE FISSURED
GRID PRELUDE XL 15/16
COLOR WHITE

TOILET PARTITION

TP1
MFR ASI GROUP
COLOR #9237 CHARCOAL

CARPET

CPT1
MFR SHAW
PRODUCT MINDFUL PLAY
STYLE THINK TILE, 5T186
COLOR EXPERIENCE, 86535

GROUT

GRT1
MFR SPEC-MIX
COLOR TBD

GRT2
MFR SPEC-MIX
COLOR TBD

FLOOR / WALL TILE

CFT1
MFR CROSSVILLE
STYLE OWEN STONE
STYLE # 0ST01
COLOR DOWN
SIZE 12X24

CFT2
MFR CROSSVILLE
STYLE OWEN STONE
STYLE # 0ST03
COLOR SLIPPER
SIZE 12X24

CWT1
MFR CROSSVILLE
STYLE OWEN STONE
STYLE # 0ST01
COLOR DOWN
SIZE 12X24

LUXURY VINYL TILE

LVT1
MFR SHAW
STYLE ART + SCIENCE, PIVOT 4499V
COLOR RENEW 00155
SIZE 8 X 51

VINYL WALL (MOVABLE PARTITION WALLS)

VW1
MFR LEN-TEX (MODERNFOLD)
STYLE LENNON GRASS
COLOR OATS 518 (S)
TRIM SHERWIN WILLIAMS NATURAL COLOR

WALL BASE

VB1 RUBBER WALL BASE
MFR JOHNSONITE
COLOR TBD

CFTB1 WALL BASE
MFR CROSSVILLE
STYLE SAME AS CFT1
STYLE# SAME AS CFT1
COLOR SAME AS CFT1

WOOD CEILING

WD T+G PLANKS (WIDTH TO MATCH EXISTING)
SPECIES WHITE MAPLE PLAIN SLICED
FINISH SAND AND STAIN

SOLID SURFACE

SS1 (KITCHENETTE)
MFR WILSONART
COLOR TUMBLED STONE 9220CE

SS2 (SILL AND BATHROOM COUNTER)
MFR WILSONART
COLOR PEARL MIRAGE 9199MG

NOTES:

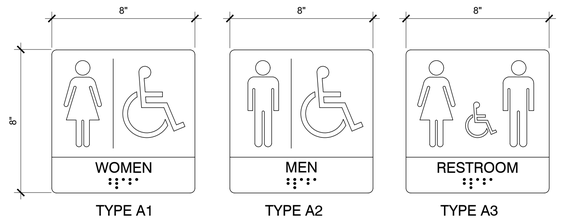
1. EXISTING FLOOR, WALL, AND CEILING FINISHES TO REMAIN.
2. RAISED COOLER FLOOR TO BE INSTALLED OVER EXISTING QUARRY TILE IN KITCHEN FLOOR. REMOVE EXISTING LIGHTING, CEILING, ETC. AS REQUIRED FOR RELOCATION OF EXISTING COOLER. PROVIDE SPRINKLER HEAD IN CEILING SPACE ABOVE COOLER.
3. EXISTING CEILING GRID TO REMAIN. PAINT GRID AND INSTALL NEW CEILING TILES.
4. PROVIDE WOOD TRIM AT INTERIOR OF ALUMINUM FRAME TO MATCH EXISTING.
5. PROVIDE NEW CHAIR RAIL AT 34" A.F.F.
6. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS.
7. PAINT ALL EXISTING AND NEW SOFFITS.
8. ALL MILLWORK TO BE PL1 AND PL2 WITH SS1 FOR COUNTERTOPS AND BACKSPLASH. ALL PLASTIC LAMINATE SUPPORTS TO BE PL1.
9. SOLID SURFACE COUNTERTOP AND BACKSPLASH TO BE SS2. PLASTIC LAMINATE SUPPORTS TO BE PL3.
10. ALL NEW INTERIOR GLU-LAMINATED BEAMS TO BE STAINED. SAND AND STAIN EXISTING GLU-LAMINATED BEAMS.
11. ALL MOVABLE PARTITION WALLS TO HAVE VINYL FINISH (VW1)
12. ALL WINDOW SILLS TO HAVE BE SS2 SOLID SURFACE.
13. PROVIDE NEW TOILET PARTITIONS (TP1)
14. REFER TO INTERIOR ELEVATIONS.
15. ADJUST EXISTING GRID AND TILE AS REQUIRED FROM DEMOLITION.

LEGENDS:

ACT	ACOUSTICAL CEILING TILE
CPT	CARPET
CFT	FLOOR TILE
EP	EPOXY PAINT
LVT	LUXURY VINYL TILE
PL	PLASTIC LAMINATE
PT	PAINT
SC	SEALED CONCRETE
SS	SOLID SURFACE
VB	VINYL BASE
VW	VINYL FINISH MOVABLE PARTITIONS
WD	WOOD SLAT CEILING

SIGNAGE SCHEDULE

ROOM NO	ROOM NAME	QTY	TEXT	TYPE
102	SENIOR ACTIVITY LOUNGE	1	SENIOR ACTIVITY LOUNGE	B
103	SENIOR KITCHENETTE	1	SENIOR KITCHENETTE	B
104	STORAGE	1	STORAGE	B
105	UNISEX TOILET ROOM	1		A3
107	KITCHEN DIRECTOR	1	KITCHEN DIRECTOR	B
108	MECHANICAL ROOM	1	MECHANICAL	B
112	KITCHEN	2	KITCHEN	B
114	BANQUET ROOM	1	BANQUET ROOM	B
115	BANQUET ROOM	1	BANQUET ROOM	B
117	STORAGE ROOM	1	STORAGE	B
119	MEN'S TOILET ROOM	1		A2
120	WOMEN'S TOILET ROOM	1		A1
122	BANQUET ROOM	1	BANQUET ROOM	B
123	BANQUET ROOM	1	BANQUET ROOM	B
124	NEW BANQUET ROOM	1	BANQUET ROOM	B
125	MECHANICAL ROOM	1	MECHANICAL	B
126	UNISEX TOILET ROOM	1		A3
129	STORAGE	1	STORAGE	B
132	STORAGE	1	STORAGE	B
139	CONFERENCE ROOM	1	CONFERENCE ROOM	B
141	STORAGE	1	STORAGE	B



TYPE A1 TYPE A2 TYPE A3

TYPE B

TYP A-901 SIGNAGE DETAILS

SCALE: 3" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR	BASE	WALLS N	WALLS S	WALLS E	WALLS W	CEILING	CEILING HEIGHTS	NOTES
FIRST FLOOR										
100	VESTIBULE	CFT1	CFTB1	PT	PT	PT	PT	WD	VARIES	6, 10
101	CORRIDOR	CFT1	CFTB1	PT	PT	PT	PT	XWD/WD	VARIES	6, 10
102	SENIOR ACTIVITY LOUNGE	LVT1	VB1	PT	PT	PT	PT	ACT1	9' - 6"	12
103	SENIOR KITCHENETTE	LVT1	VB1	PT	PT	PT	PT	ACT1/GB-PT	8' - 0"	8
104	STORAGE	SC	VB1	PT	PT	PT	PT	ACT1	8' - 0"	
105	UNISEX TOILET ROOM	CFT1	- -	CWT1/EP	CWT1/EP	CWT1/EP	CWT1/EP	ACT2	8' - 0"	14
106	PASSAGE	LVT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
107	KITCHEN DIRECTOR	LVT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
108	MECHANICAL ROOM	- -	- -	- -	- -	- -	- -	- -	- -	1
109	CORRIDOR	- -	- -	- -	- -	- -	- -	- -	- -	1
110	WOMEN'S TOILET ROOM	- -	- -	- -	- -	- -	- -	- -	- -	1
111	MEN'S TOILET ROOM	- -	- -	- -	- -	- -	- -	- -	- -	1
112	KITCHEN	- -	- -	- -	- -	- -	- -	- -	- -	1,12
113	COOLER	- -	- -	- -	- -	- -	- -	- -	- -	1, 2
114	BANQUET ROOM	LVT1	VB1	VW1/PT	VW1/PT	VW1/PT	VW1/PT	ACT1/XGYP-PT	VARIES	3,4,5,6,7,11
115	BANQUET ROOM	LVT1	VB1	VW1/PT	VW1/PT	VW1/PT	VW1/PT	ACT1/XGYP-PT	VARIES	3,4,5,6,7,11
116	CORRIDOR	CFT1	CFTB1	PT	PT	PT	PT	ACT1	9' - 0"	
117	STORAGE ROOM	--	--	PT	PT	PT	PT	ACT1	9' - 0"	
118	CORRIDOR	CFT1	CFTB1	PT	PT	PT	PT	ACT1		
119	MEN'S TOILET ROOM	CFT1	CFTB1	CWT1/EP	CWT1/EP	CWT1/EP	CWT1/EP	XGB-EP2/GB-EP2	- -	9,13,14
120	WOMEN'S TOILET ROOM	CFT1	CFTB1	CWT1/EP	CWT1/EP	CWT1/EP	CWT1/EP	XGB-EP2/GB-EP2	- -	9,13,14
121	OPEN LOUNGE	CFT2	CFTB1	PT	PT	PT	PT	ACT1		
122	BANQUET ROOM	LVT1	VB1	VW1/PT	VW1/PT	VW1/PT	VW1/PT	ACT1/XGYP-PT	VARIES	3,4,5,6,7,11
123	BANQUET ROOM	LVT1	VB1	VW1/PT	VW1/PT	VW1/PT	VW1/PT	ACT1/XGYP-PT	VARIES	3,4,5,6,7,11
124	NEW BANQUET ROOM	LVT1	VB1	PT	PT	PT	PT	ACT1/GYP-PT	VARIES	3,4,5,6,7,11
125	MECHANICAL ROOM	- -	- -	- -	PT	- -	- -	ACT1	8' - 0"	15
126	UNISEX TOILET ROOM	CFT1	CFTB1	CWT1/EP	CWT1/EP	CWT1/EP	CWT1/EP	ACT2	8' - 0"	14
127	RECEPTION	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	9,14
128	CORRIDOR	CFT1	CFTB1	PT	PT	PT	PT	ACT1	9' - 0"	
129	STORAGE	SC	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
130	OFFICE	CPT2	VB1	PT	PT	PT	PT	ACT1	9' - 0"	12
131	OFFICE	CPT2	VB1	PT	PT	PT	PT	ACT1	9' - 0"	12
132	STORAGE	SC	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
133	CORRIDOR	CFT1	CFTB	PT	PT	PT	PT	ACT1	9' - 0"	
134	OFFICE	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	12
134A	CLOSET	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
137	OFFICE	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	12
137A	CLOSET	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
138	CORRIDOR	LVT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
139	CONFERENCE ROOM	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
140	CORRIDOR	CFT	CFTB	PT	PT	PT	PT	ACT1	9' - 0"	8,14
141	STORAGE	SC	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
142	CORRIDOR	CFT1	CFTB1	PT	PT	PT	PT	ACT1	9' - 0"	
143	OFFICE	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	12
144	CLOSET	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
146	OFFICE	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
146A	CLOSET	CPT1	VB1	PT	PT	PT	PT	ACT1	9' - 0"	
147	CORRIDOR	CFT1	CFTB1	PT	PT	PT	PT	ACT1	9' - 0"	12

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Corporate Headquarters
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Drawn: AM/KN/NC
Checked: KN
Approved: MR

Sheet Title:
ROOM FINISH SCHEDULE

Project Number: 24361.A

Sheet Number: A-901

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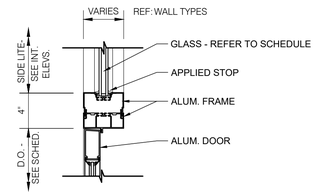
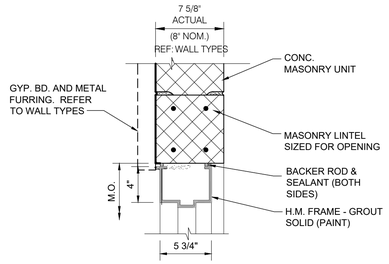
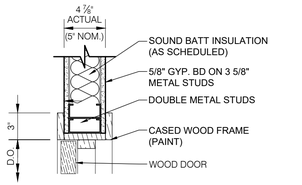


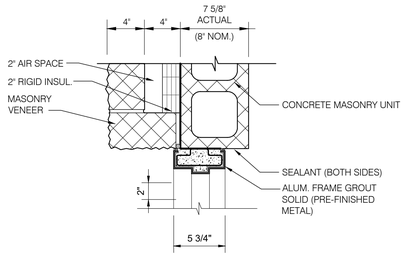
J2 A-900 DOOR JAMB
SCALE: 1-1/2"=1'-0"



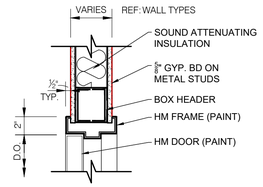
H4 A-900 DOOR HEAD
SCALE: 1-1/2"=1'-0"



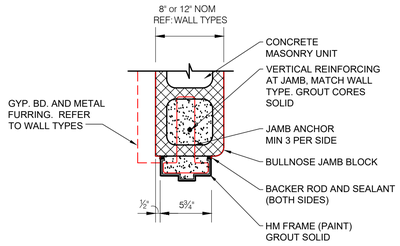
J5 A-900 DOOR JAMB
SCALE: 1-1/2"=1'-0"



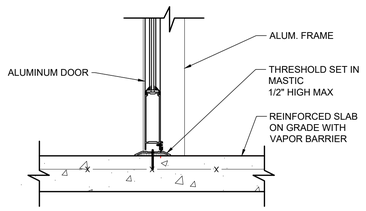
J1 A-900 DOOR JAMB
SCALE: 1-1/2"=1'-0"



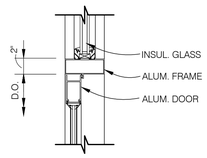
H3 A-900 DOOR HEAD
SCALE: 1-1/2"=1'-0"



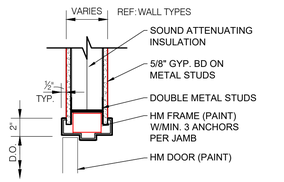
J4 A-900 DOOR JAMB
SCALE: 1-1/2"=1'-0"



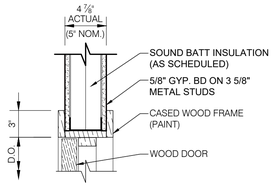
H7 A-900 DOOR HEAD
SCALE: 1-1/2"=1'-0"



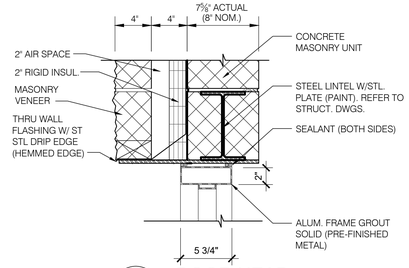
H2 A-900 DOOR HEAD
SCALE: 1-1/2"=1'-0"



J3 A-900 DOOR JAMB
SCALE: 1-1/2"=1'-0"



H5 A-900 DOOR HEAD
SCALE: 1-1/2"=1'-0"



H1 A-900 DOOR HEAD
SCALE: 1-1/2"=1'-0"

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
Lansing • Gaylord • Sault Ste. Marie
Williamsport, PA • Tampa, FL
www.sidockgroup.com

Client:
Brownstown Township

Project:
Brownstown Community Center Rennovation & Addition

21311 Telegraph Rd.
Brownstown, MI

Seal:
NOT FOR CONSTRUCTION

Date	Issued For
08/09/2025	DESIGN DEVELOPMENT
11/05/2024	PROGRESS SET
12/09/2024	90% OWNER REVIEW
12/20/2024	100% CD

Drawn:	AM/KN/NC
Checked:	KN
Approved:	MR

Sheet Title:
DOOR AND WINDOW DETAILS

Project Number: 24361.A

Sheet Number: A-902

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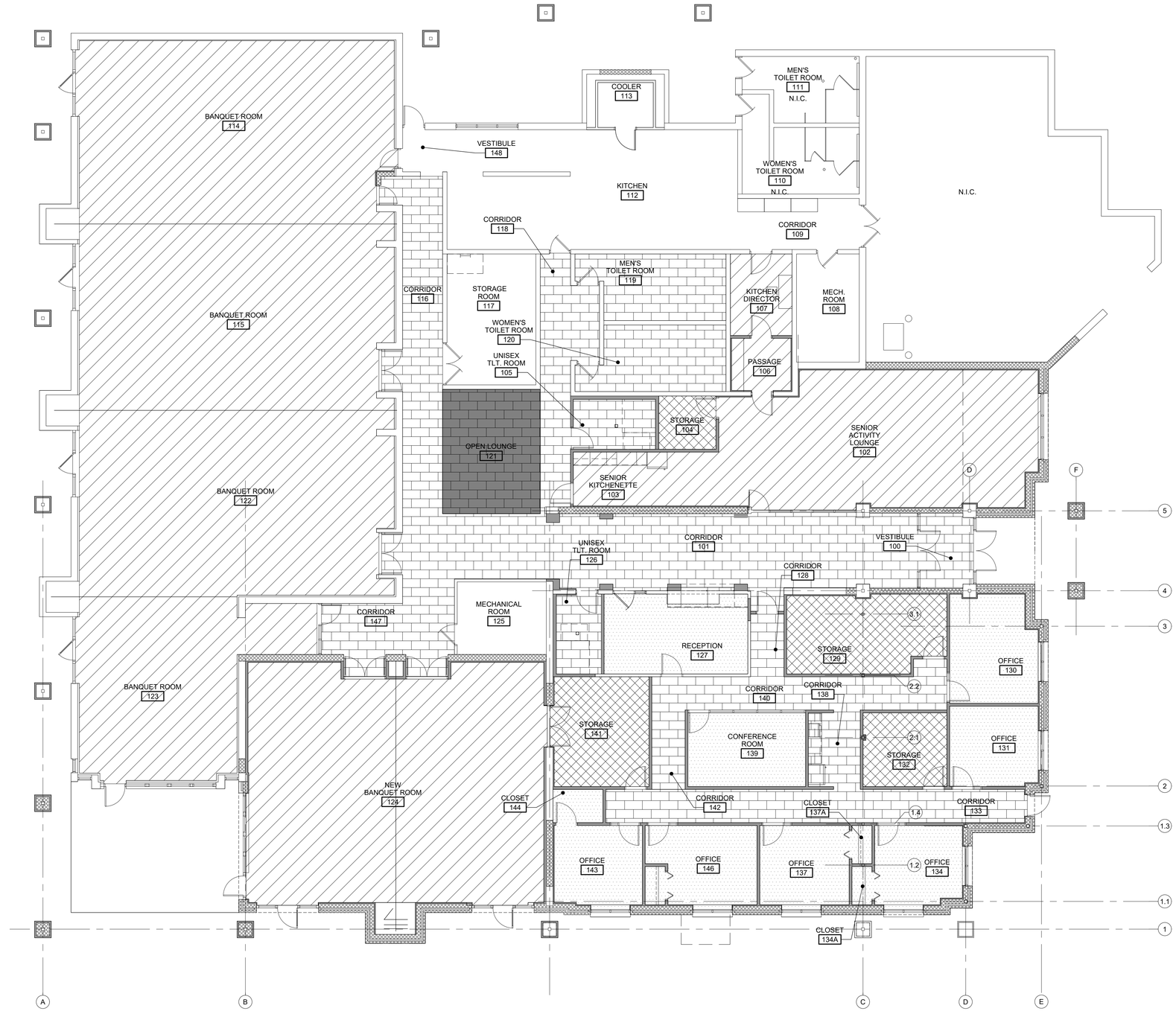

N

PROPOSED FLOOR PLAN

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

FLOOR FINISH LEGEND	
PATTERN	FLOORING TYPE
	LVT- LUXURY VINYL TILE
	CPT - CARPET
	CFT1 - CERAMIC FLOOR TILE
	CFT2 - CERAMIC FLOOR TILE
	SC - SEALED CONCRETE

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Drawn:	AM/KN/NC
Checked:	KN
Approved:	MR

Sheet Title:
ROOM FINISH PLAN

Project Number: 24361.A

Sheet Number: A-903

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GENERAL STRUCTURAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY FULLY WITH THE APPLICABLE PROVISIONS OF MIOSHA, THE 2015 MICHIGAN BUILDING CODE, LATEST ADOPTED EDITION, AND THE LOCAL GOVERNING CODE, LATEST ADOPTED EDITIONS, AND ALL REQUIREMENTS SPECIFIED IN THE CODES SHALL BE ADHERED TO AS IF THEY WERE CALLED FOR OR SHOWN ON THE DRAWINGS. THIS SHALL NOT BE CONSTRUED TO MEAN THAT ANY REQUIREMENTS SET FORTH ON THE DRAWING MAY BE MODIFIED BECAUSE THEY ARE MORE STRINGENT THAN THE CODE REQUIREMENTS OR BECAUSE THEY ARE NOT SPECIFICALLY REQUIRED BY CODE.

   DESIGN LOADS:
   LIVE LOADS:
   ROOFS - LIVE LOAD 20 PSF

   ROOFS - SNOW LOAD

   GROUND SNOW Pg = 20 PSF
   EXPOSURE FACTOR Ce = 1.0
   THERMAL FACTOR Ct = 1.10
   IMPORTANCE FACTOR Is = 1.0
   FLAT ROOF SNOW Pf = 16PSF
   MINIMUM BALANCED SNOW Pf = 20PSF
   DENSITY OF SNOW Y = 16.6PCF
   DRIFT AT MANSARD ROOF = 39PSF (SOUTH ADDITION)
   WIDTH OF SNOW DRIFT = 6-0"

   WIND DESIGN DATA:
   BASIC WIND SPEED (3-SECOND GUST): 115 MPH
   WIND EXPOSURE
   EAST-WEST DIRECTION: B
   NORTH-SOUTH DIRECTION: B
   INTERNAL PRESSURE COEFFICIENT: +/- 0.18

   EARTHQUAKE DESIGN DATA:
   SEISMIC IMPORTANCE FACTOR (Ie): 1.0 (RISK CATEGORY II)
   MAPPED SPECTRAL RESPONSE ACCELERATIONS
   SHORT PERIOD (Ss): 0.103 g
   1-SECOND PERIOD (S1): 0.049 g
   SITE CLASS: D
   DESIGN SPECTRAL RESPONSE ACCELERATIONS
   SHORT PERIOD (SDS): 0.11 g
   1-SECOND PERIOD (SD1): 0.078 g
   SEISMIC DESIGN CATEGORY: B

2. PRIOR TO SUBMITTING PROPOSAL, VERIFY ALL CONDITIONS GOVERNING OR AFFECTING THE STRUCTURAL WORK. OBTAIN AND VERIFY ALL DIMENSIONS TO ENSURE THE PROPER FIT AND LOCATION OF THE STRUCTURAL WORK. TAKE ADDITIONAL DIMENSIONS AS REQUIRED, REPORT TO THE ENGINEER ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK, FAMILIARIZE YOURSELF WITH THE ACTUAL CONDITIONS OF THE STRUCTURAL WORK, ACCESS TO THE SITE, AVAILABLE STORAGE SPACE, FACILITIES AND OBSTRUCTIONS THAT MAY BE ENCOUNTERED DURING THE PROGRESS OF WORK.

3. CONTRACTOR TO FURNISH ALL NECESSARY LABOR, MATERIAL, EQUIPMENT AND FACILITIES TO FURNISH, FABRICATE AND PERFORM THE REQUIRED STRUCTURAL WORK.

4. ALL WORK SHOWN ON THESE DRAWINGS MAY BE CHECKED BY AN INDEPENDENT TESTING AGENCY RETAINED BY OWNER TO ENSURE COMPLIANCE WITH THE REQUIREMENTS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ACCESS AS REQUIRED FOR TESTING PURPOSES.

5. CONTRACTOR SHALL MAKE ALL NECESSARY FIELD VISITS FOR INSPECTION, MEASUREMENTS AND VERIFICATION OF EXISTING CONDITION OF BUILDING.

6. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS EXIST BETWEEN THE DRAWINGS, SPECIFICATION, AND/OR THE GENERAL STRUCTURAL NOTES, THE STRICTEST PROVISION AS DETERMINED BY THE ENGINEER SHALL GOVERN.

7. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF TEMPORARY BRACING, GUYS AND/OR TIE-DOWNS AS NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.

8. WORK THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, SITE AND ELECTRICAL DRAWINGS.

9. USE OF ENGINEERING DRAWINGS AS ERECTION DRAWINGS BY THE CONTRACTOR IS STRICTLY PROHIBITED.

SITE PREPARATION

1. AT THE START OF EARTHWORK OPERATIONS, ALL SURFACE VEGETATION SHALL BE CLEARED AND THE EXISTING TOPSOIL AND ANY OTHER ORGANIC SOILS SHALL BE REMOVED IN THEIR ENTIRETY FROM BELOW THE PROPOSED BUILDING AND PAVEMENT AREAS. EXISTING RANDOM CONCRETE AND OTHER DEBRIS SHALL BE REMOVED FROM WITHIN THE BUILDING AREA.

2. THE SUB-GRADE SHOULD BE THOROUGHLY PROOF-ROLLED WITH A HEAVY RUBBER-TIRED VEHICLE SUCH AS A LOADED SCRAPER OR LOADED DUMP TRUCK. ANY AREAS THAT EXHIBIT EXCESSIVE PUMPING AND YIELDING DURING PROOF-ROLLING SHOULD BE STABILIZED BY AERATION. DRYING AND COMPACTION IF WEATHER CONDITIONS ARE FAVORABLE, OR REMOVAL AND REPLACEMENT WITH ENGINEERED FILL.

3. ALL EXCAVATIONS ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE, WHO SHALL BE CONSULTED WHEN POOR SOIL, WATER, OBSTRUCTIONS, PIPING, EXISTING FOOTINGS, EXCAVATIONS, ETC., ARE ENCOUNTERED.

FOOTINGS & FOUNDATIONS

1. CONTRACTOR SHALL VERIFY ALL CONDITIONS, INCLUDING UNDERGROUND UTILITIES, AND FIELD MEASUREMENTS AT JOB SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER.

2. PROVIDE ALL NECESSARY SHEETING, SHORING, BRACING, ETC. AS REQUIRED FOR EXCAVATIONS TO PROTECT SIDES OF EXCAVATIONS AND ADJACENT STRUCTURES.

3. CONTRACTOR SHALL COMPLY FULLY WITH THE REQUIREMENTS OF MIOSHA, OTHER REGULATORY AGENCIES AND THE OWNER'S SITE-SPECIFIC SAFETY PLAN AND REGULATIONS FOR SAFETY PROVISIONS.

4. BOTTOM OF FOOTING ELEVATIONS NOTED ON PLAN ARE MINIMUM ELEVATIONS. IN ALL CASES, FOOTINGS ARE TO BEAR ON UNDISTURBED NATURAL SOILS OR ENGINEERED FILL HAVING A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 1500 PSF.

5. FOOTINGS SHALL BE CENTERED UNDER COLUMNS AND WALLS UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE DRAWINGS.

6. NO FOOTINGS OR SLABS SHALL BE PLACED ON OR AGAINST SUB-GRADE CONTAINING FREE WATER, FROST OR ICE. SHOULD WATER OR FROST, HOWEVER SLIGHT, ENTER A FOOTING EXCAVATION AFTER SUB-GRADE APPROVAL, THE SUB-GRADE SHALL BE RE-INSPECTED BY THE TESTING LABORATORY AFTER REMOVAL OF WATER OR FROST.

7. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUB-GRADE BEFORE AND AFTER PLACING OF CONCRETE UNTIL THE CONCRETE HAS REACHED ITS' DESIGN STRENGTH.

8. ALL FOUNDATION BEARING SOILS SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER. THE TESTING SHALL INCLUDE, BUT NOT BE LIMITED TO, IDENTIFICATION OF SOILS AT AND BELOW THE FOUNDATION BEARING LEVEL, AND THE ALLOWABLE BEARING CAPACITY.

9. CONTRACTOR SHALL FURNISH ALL REQUIRED DEWATERING EQUIPMENT TO MAINTAIN A DRY EXCAVATION UNTIL BACKFILL IS COMPLETE.

BACKFILLING

1. MATERIAL FOR BACKFILL OR ENGINEERED FILL REQUIRED TO ACHIEVE DESIGN GRADES SHOULD CONSIST OF NON-ORGANIC SOILS. THE ON-SITE SOILS THAT ARE FREE OF ORGANIC MATTER AND DEBRIS MAY BE USED FOR ENGINEERED FILL WITH ENGINEER'S APPROVAL.

2. BACKFILL MATERIAL SHALL BE COMPACTED TO 95% OF ITS' MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHODS (ASTM D1557), IN LIFTS NOT EXCEEDING 12-INCHES IN LOOSE THICKNESS.

3. FROZEN MATERIAL SHALL NOT BE USED AS FILL, NOR SHALL FILL BE PLACED ON FROZEN SUB-GRADE.

4. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BASEMENT FLOOR LEVEL AND FIRST FLOOR LEVEL SLABS ARE IN PLACE AND HAVE REACHED 75% OF THEIR SPECIFIED DESIGN STRENGTH. SHORE AND BRACE WALLS AS REQUIRED IF BACKFILLING OPERATIONS ARE TO BE CARRIED OUT PRIOR TO PLACEMENT OF FLOOR SLABS.

5. PLACE BACKFILL AGAINST BOTH SIDES OF GRADE BEAMS AND FOUNDATIONS AT EQUAL ELEVATIONS OF FILL, EXCEPT AS SHOWN ON THE DRAWINGS.

6. CRUSHED SLAG USED AS BACKFILL SHALL BE AGED, ENVIRONMENTALLY-SAFE PROCESSED BLAST FURNACE SLAG.

ROUGH CARPENTRY

1. ALL APA RATED WOOD STRUCTURAL PANELS SHALL BE THE THICKNESS AND GRADE SHOWN ON THE STRUCTURAL DRAWINGS.

2. ALL WOOD STRUCTURAL PANELS SHALL BEAR THE APA TRADEMARK. ALL PLYWOOD PANELS SHALL BE MANUFACTURED IN CONFORMANCE WITH VOLUNTARY PRODUCT STANDARD PS-1. ALL WOOD-BASED STRUCTURAL-USE PANELS SHALL BE MANUFACTURED IN CONFORMANCE WITH VOLUNTARY PRODUCT STANDARD PS-2 OR APA PRP-108.

3. THE NUMBER AND SIZE OF FASTENERS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN THE MICHIGAN BUILDING CODE (2015) FASTENING SCHEDULE, SECTION 2304.10.1.

4. BEARING WALL STUDS SHALL BE KILN DRIED TO 19% MC, SPF #1 OR #2 OR BETTER.

5. NON-LOAD BEARING STUDS SHALL BE KILN DRIED TO 19% MC, STUD GRADE OR BETTER.

6. JOISTS, RAFTERS & HEADERS SHALL HAVE Fb OF 1250 PSI AND ELASTIC MODULUS OF 1,400,000 PSI OR BETTER.

7. WALL PLATES AND BLOCKING SHALL BE KILN DRIED TO 19% MC, SPF #1 OR #2 OR BETTER.

8. ALL FRAMING, BLOCKING, PLATES, ETC. THAT COME INTO CONTACT WITH CONCRETE OR MASONRY, AND ARE EXPOSED TO THE WEATHER, SHALL BE PRESSURE TREATED.

WOOD TRUSSES

1. TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR ALL TRUSS DESIGNS INCLUDING GIRDERS, HANGERS, BEARING SEATS, AND ANCHORS FOR TRUSSES.

2. TRUSS FRAMING LAYOUTS SHOWN ON PLANS ARE FOR GENERAL REFERENCE ONLY AND TO INDICATE BEARING LOCATIONS. MANUFACTURER SHALL NOTIFY ARCHITECT IF ADDITIONAL BEARING POINTS AND/OR WALLS ARE REQUIRED PRIOR TO FABRICATION AND ERECTION.

3. ALL ROOF TRUSSES SHALL BE BRACED PER MANUFACTURER'S RECOMMENDATIONS OR AS DETAILED ON THE DRAWINGS.

4. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL MEASUREMENTS PRIOR TO TRUSS SHOP DRAWING APPROVAL AND FABRICATION.

5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE CONSTRUCTION PROJECT FOR ROOF AND FLOOR TRUSSES. SHOP DRAWINGS FROM THE MANUFACTURER SHALL BE APPROVED BY THE ARCHITECT PRIOR TO FABRICATION. SHOP DRAWINGS FOR EACH TRUSS SHALL SHOW SIZE, SPECIES AND STRESS GRADES OF ALL LUMBER, METAL PLATE TYPE, ORIENTATION AND SIZES, BEARING AND UPLIFT REQUIREMENTS. ALL LOAD CASES INVESTIGATED AND MAXIMUM STRESSES IN EACH MEMBER SHALL ALSO BE INCLUDED. FLOOR TRUSSES SHALL HAVE A MAXIMUM DEFLECTION OF 3/8" OR L360, WHICHEVER IS LESS, AND SHALL BE SPACED AS NOTED ON THE DRAWINGS. ROOF TRUSSES SHALL HAVE A MAXIMUM DEFLECTION OF L/360 AND SHALL BE SPACED AS NOTED ON THE DRAWINGS.

6. TRUSS MANUFACTURER SHALL DESIGN TRUSSES FOR WIND LOADS PER SEI/ASCE 7-10.

7. WOOD TRUSS FABRICATION SHALL COMPLY WITH TPI 1-14, "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION" AND TPI DSB-89, "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES".

8. METAL PLATE CONNECTORS SHALL COMPLY WITH TPI 1, HOT-DIP GALVANIZED STEEL SHEET: ASTM A653/A653 M; STRUCTURAL STEEL (SS), HIGH STRENGTH LOW ALLOY STEEL TYPE A, (HSLA TYPE A) OR HIGH STRENGTH LOW ALLOY STEEL TYPE B (HSLA TYPE B) G60 (Z180) COATING DESIGNATION NOT LESS THAN 0.036 IN. THICK.

9. PROVIDE DIMENSIONAL LUMBER OF ANY SPECIES FOR TRUSS CHORD AND WEB MEMBERS, CAPABLE OF SUPPORTING THE REQUIRED LOADS WITHOUT EXCEEDING ALLOWABLE DESIGN VALUES ACCORDING TO AFPA'S "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" AND ITS "SUPPLEMENT".

10. CONTRACTOR SHALL INSTALL SIMPSON STRONG-TIE HURRICANE TIE-DOWNS (OR EQUAL) AT ALL BEARING LOCATIONS OF ALL TRUSSES AS FOLLOWS (U.O.N.)

SINGLE PLY	0' TO 25' SPAN	H3
SINGLE PLY	26' TO 40' SPAN	(2) H3
SINGLE PLY	41' TO 60' SPAN	H14
GIRDER TRUSSES		AS CALLED OUT ON PLANS

11. TRUSS MANUFACTURER SHALL DESIGN TRUSS BEARINGS FOR 425 PSI ALLOWABLE BEARING PRESSURE. TRUSS MANUFACTURER SHALL ATTACH HEEL BLOCKS OR PROVIDE BEARING ENHANCERS AS NECESSARY TO ACHIEVE THIS REQUIREMENT.

12. TRUSSES SHALL BE HANDLED AND INSTALLED PER WTCA AND TPI REQUIREMENTS. INSTALL AND FASTEN PERMANENT BRACING DURING TRUSS ERECTION AND BEFORE LOADS ARE APPLIED.

13. ANCHOR ENDS OF PERMANENT BRACING WHERE TERMINATING AT WALLS OR BEAMS. IN ADDITION TO ANY LATERAL BRACING WHICH IS REQUIRED BY THE TRUSS MANUFACTURER/SUPPLIER, THE CONTRACTOR SHALL PROVIDE AND INSTALL PERMANENT DIAGONAL STABILITY BRACING FOR ALL COMPRESSION WEBS AND PRIMARY TOP CHORDS OF PIGGY BACK TRUSSES OR OTHER MEMBERS WHICH REQUIRE BRACING TO REDUCE THEIR BUCKLING LENGTH. THIS BRACING SHALL CONSIST OF 2X4'S ATTACHED TO EACH WEB MEMBER WITH NOT LESS THAN 2 - 16D NAILS. BRACING SHALL EXTEND ON A 45 DEGREE DIAGONAL FROM THE TOP TO BOTTOM OF THE WEBS. FOR EACH BRACED MEMBER, DIAGONALS SHALL BE INSTALLED IN CHEVRON PAIRS WITH ONE PAIR OF DIAGONALS AT EACH END OF THE SERIES OF TRUSSES AND NOT MORE THAN 20 FEET BETWEEN PAIRS.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301- LATEST REVISION, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING", EXCEPT AS MODIFIED BY STRUCTURAL REQUIREMENTS NOTED ON THE DRAWINGS.

2. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'c) AS NOTED BELOW:
   A. INTERIOR FOOTINGS AND FOUNDATIONS: 4000 psi
   B. INTERIOR SLAB ON GRADE: 4000 psi
   C. INTERIOR SUPPORTED SLABS: 4000 psi
   D. EXTERIOR CONCRETE EXPOSED TO WEATHER: 4500 psi
   E. EXTERIOR FOUNDATIONS NOT EXPOSED TO WEATHER: 4000 psi
   F. GRADE WALLS: 4000 psi

3. ALL EXTERIOR CONCRETE INCLUDING WALLS SHALL BE AIR-ENTRAINED 5% +/- 1%.

4. ALL EXTERIOR CONCRETE EXPOSED TO WEATHER SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF (W/C) 0.45.

5. UNLESS NOTED OTHERWISE, MINIMUM CONCRETE COVER SHALL BE:

CONCRETE CAST AGAINST EARTH	3-INCHES
CONCRETE EXPOSED TO EARTH OR WEATHER	2-INCHES
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLABS, JOISTS, AND WALLS	3/4-INCHES
BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES	1 1/2-INCHES

6. ALL REINFORCING SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60 (fy = 60,000 psi)

7. WELDED WIRE FABRIC SHALL BE FURNISHED IN FLAT SHEETS AND SHALL CONFORM TO ASTM A185 (FY = 75 KSI) AND HAVE A MINIMUM SIDE AND END LAP OF 8 INCHES.

8. THE CONTRACTOR SHALL SUBMIT THE CONCRETE MIX DESIGN(S) TO THE ENGINEER FOR REVIEW. PROPORTION MIX DESIGNS AS DEFINED IN ACI 301 SECTION 4. THE SUBMITTAL SHALL INCLUDE AS A MINIMUM CEMENT TYPE AND SOURCE, CEMENT CUBE STRENGTH, AGGREGATE GRADATIONS, WATER TESTS, AD-MIXTURE CATALOG INFORMATION AND CYLINDER STRENGTH TEST RESULTS FOR THE CONCRETE. THE MIX DESIGN HISTORICAL RESULTS SHALL ALSO BE SUBMITTED IF APPROPRIATE.

9. ALL REINFORCEMENT TO BE DETAILED, FABRICATED AND ERECTED ACCORDING TO THE ACI STANDARDS: "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT", ACI 315 - LATEST REVISION AND "MANUAL OF ENGINEERING AND PLACING DRAWINGS FOR REINFORCED CONCRETE STRUCTURES", ACI 315R - LATEST EDITION.

10. THE CONTRACTOR SHALL PREPARE AND SUBMIT REINFORCEMENT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. THE SHOP DRAWINGS SHALL CLEARLY SHOW ALL REINFORCEMENT LENGTHS AND BENDS, LOCATIONS OF ALL BARS, VIBRATION AND CONSTRUCTION JOINTS. THE DRAWINGS SHALL ALSO INDICATE ALL OPENINGS, SLEEVES, CURBS AND CONCRETE DIMENSIONS IN ACCORDANCE WITH ACI 315.

11. LAPS, ANCHORAGES AND SPLICES SHALL COMPLY WITH THE REQUIREMENTS OF ACI 318-LATEST EDITION, CHAPTER 25. LOCATIONS AND SPLICES SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION JOINT LOCATIONS, DETAILS AND AS SHOWN ON THE REINFORCING STEEL SHOP DRAWINGS.

12. PROVIDE DOWELS OF SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT AT ALL COLUMNS AND WALLS.

13. UNLESS OTHERWISE SHOWN OR NOTED, AS A MINIMUM, PROVIDE TWO #5 BARS (ONE EACH FACE) AROUND UNFRAMED OPENINGS IN SLABS AND WALLS. PLACE BARS PARALLEL TO SIDES OF OPENINGS AND EXTEND THEM 24 INCHES BEYOND CORNERS.

14. HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS WITH LAPS COMPLYING WITH THE REQUIREMENTS OF ACI 318-LATEST EDITION CHAPTER 25. UNLESS DETAILED OTHERWISE, CORNER BARS SHALL BE PROVIDED AT ALL CHANGE IN WALL DIRECTIONS AND SHALL BE OF THE SAME SIZE AND SPACING AS THE HORIZONTAL STEEL. EACH CORNER BAR LEG TO PROVIDE A LAP COMPLYING WITH THE REQUIREMENTS OF ACI 318-LATEST EDITION CHAPTER 25. SPLICE UNLESS DETAILED OTHERWISE. EXTEND ALL HORIZONTAL WALLS REINFORCING THROUGH PIERS.

15. ALL CONSTRUCTION JOINTS SHALL BE FURNISHED WITH KEYWAY CENTERED ON MEMBERS. WHERE THE SIZE OF KEY IS NOT SHOWN ON THE DRAWINGS, THE KEY DEPTH SHALL BE 10% OF THE CROSS SECTION DIMENSION OF THE MEMBER - MINIMUM 3/4".

16. ANCHOR BOLTS (FURNISHED BY STRUCTURAL STEEL CONTRACTOR) SHALL BE SET USING A TEMPLATE TO WITHIN 1/8" TOLERANCE IN ANY PLAN DIRECTION IN PIERS, FOOTINGS AND FOUNDATION WALLS, WITH THE MINIMUM PROJECTION AND EMBEDMENT LENGTHS AS INDICATED ON THE DRAWINGS.

17. PROVIDE 3/4" CHAMFER STRIP AT ALL EXPOSED CORNERS OF CONCRETE WALLS AND PIERS.

18. LOCATE ALL SLEEVES, OPENINGS, EMBEDDED ITEMS, ETC., AS INDICATED ON THE DRAWINGS. THE CONCRETE CONTRACTOR SHALL CHECK WITH ALL OTHER TRADES TO MAKE SURE THE SLEEVES, OPENINGS AND EMBEDDED ITEMS THAT ARE TO BE PROVIDED AND SET BY THEM ARE IN PLACE PRIOR TO PLACING OF CONCRETE IN THE AREA INVOLVED.

19. ALL INTERIOR SLABS ON GRADE SHALL BE PLACED ON A VAPOR BARRIER WITH A MINIMUM OF 4-INCHES CLEAN SAND. MINIMUM REINFORCEMENT SHALL BE IN ACCORDANCE WITH ENGINEERING DATA REPORT CRSI NUMBER 37, "REINFORCING STEEL IN SLAB ON GRADE" OR AS DETAILED. ALL EXTERIOR SLABS ON GRADE SHALL BE PLACED ON A MINIMUM OF 4-INCHES CLEAN SAND. MINIMUM REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI 318 SECTION 24.4 - SHRINKAGE AND TEMPERATURE REINFORCEMENT, OR AS DETAILED.

20. CONTRACTORS SHALL OBTAIN APPROVAL FROM THE ENGINEER, PRIOR TO PLACING OPENINGS OR SLEEVES, NOT SHOWN ON THE DRAWINGS, THROUGH ANY STRUCTURAL MEMBERS, ROOF, WALLS OR FOUNDATIONS. REVIEW ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR BASES, OPENINGS, SLEEVES, ANCHORS, INSERTS, CONDUITS, RECESSES AND OTHER DEVICES IN CONCRETE WORK BEFORE CASTING CONCRETE.

21. PROVIDE POCKETS OR RECESSES IN CONCRETE WORK FOR STEEL COLUMNS AND BEAMS AS REQUIRED AND / OR AS CALLED FOR IN THE SPECIFICATIONS EVEN IF NOT SHOWN ON THE DRAWINGS. PROVIDE CONCRETE FILL AFTER STEEL ERECTION TO SEAL OPENINGS.

22. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB RECESSES AND/OR FLOOR FINISH MATERIALS.

23. WELDING OF REINFORCING STEEL IS PROHIBITED UNLESS SPECIFICALLY DETAILED. WELDING SHALL CONFORM TO AWS D1.4 SPECIFICATION, LATEST EDITION.

24. CONCRETE CONTRACTOR SHALL INCLUDE IN HIS ESTIMATE ADDITIONAL CONCRETE QUANTITY AS REQUIRED TO COMPENSATE FOR DEFLECTIONS OF METAL DECK AND TO PROVIDE A LEVEL CONCRETE SURFACE. REFER TO STRUCTURAL STEEL AND METAL DECK NOTES FOR ADDITIONAL CONSIDERATIONS.

25. THE CONCRETE SHALL BE THOROUGHLY COMPACTED BY VIBRATION SUPPLEMENTED BY SPADING, PUDDLING OR AGITATION, TO PREVENT HONEYCOMBING AND TO ENSURE THE ELIMINATION OF VOIDS. VIBRATION MUST BE DIRECT ACTION IN THE CONCRETE AND NOT AGAINST FORMS OR REINFORCEMENT. HONEYCOMBING, VOIDS AND LARGE AIR POCKETS WILL NOT BE ACCEPTABLE.

26. LOCATIONS OF CONTRACTION JOINTS ARE SHOWN ON THE PLAN DRAWING. THE JOINTS SHOWN MAY SERVE AS CONSTRUCTION JOINTS IF CONVENIENT FOR THE CONSTRUCTION SEQUENCE. THE LOCATION OF ANY ADDITIONAL CONSTRUCTION JOINTS PROPOSED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER. ALL CONCRETE SLABS AND WALLS WITH CONSTRUCTION JOINTS SHALL BE PLACED PER ACI 302.1R.

27. THE USE OF WATER-SOLUBLE CHLORIDE ION SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER. AS AN ALTERNATIVE TO THE ABOVE, THE CONTRACTOR MAY SUBMIT A CONCRETE MIX DESIGN FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE ALTERNATE MIX DESIGN SHALL BE REVIEWED FOR CONFORMANCE TO '02 UBC.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATION:
   * WIDE FLANGE AND WT SHAPES - A992
   * HSS RECT. - A500 GRADE C (fy = 46 KSI)
   * HSS ROUND - A500 GRADE C (fy = 42 KSI)
   * PIPE - A53 GRADE B (fy = 35 KSI)
   * HP SHAPES - A572 GR. 50
   * ALL OTHER SHAPES AND PLATES - A36

2. THE FABRICATOR/ERECTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW, ENGINEERED AND CHECKED DRAWINGS SHOWING SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL.

3. BEAM CONNECTIONS SHALL BE STANDARD TWO ANGLE WEB CONNECTIONS CAPABLE OF SUPPORTING 50% OF THE ALLOWABLE UNIFORM LOAD FROM THE ALLOWABLE LOADS ON BEAM TABLES IN THE AISC CODE, UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

4. ALL CONNECTIONS NOT SPECIFICALLY DETAILED, SHALL BE DESIGNED AND DETAILED BY THE FABRICATOR. DETAILING SHALL BE PERFORMED USING RATIONAL ENGINEERING DESIGN AND STANDARD PRACTICE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE GENERAL DETAILS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND DO NOT INDICATE THE REQUIRED NUMBER OF BOLTS OR WELD SIZES, UNLESS SPECIFICALLY NOTED.

5. ALL CONNECTIONS SHALL BE SHOP WELDED IN ACCORDANCE WITH LATEST AWS SPECIFICATION USING E70XX ELECTRODES AND FIELD BOLTED WITH ASTM A325 OR A490 BOLTS. ALL A325 AND A490 BOLTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS."

6. EXCEPT AS NOTED ON THE DRAWINGS, STRUCTURAL STEEL BOLTS SHALL BE ASTM A325, 3/4" DIAMETER. ALL VERTICAL BOLTS ARE TO BE INSTALLED "HEAD UP" UNLESS SPECIFICALLY NOTED. IF A BOLT CANNOT BE INSTALLED "HEAD UP", THE THREAT IS TO BE "SPOILED" AFTER THE BOLT HAS BEEN PROPERLY TIGHTENED AND THEN INSPECTED BY THE TESTING AGENCY.

7. HIGH STRENGTH BOLT INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF AISC AND THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS." PROVIDE FULLY PRETENSIONED JOINTS AT CONNECTIONS OF BRACING, WHERE BOLTS ARE IN TENSION, ARE SUBJECT TO LOAD REVERSALS OR FATIGUE, AND AT MOMENT CONNECTIONS. PROVIDE SLIP-CRITICAL JOINTS AT CONNECTIONS SUBJECT TO FATIGUE AND LOAD REVERSALS, OVERSIZED HOLES, SLOTTED HOLES AND WHERE SLIP AT THE FAYING SURFACES WOULD BE DETRIMENTAL TO THE PERFORMANCE OF THE STRUCTURE. ALL OTHER CONNECTIONS MAY HAVE SNUG-TIGHTENED CONNECTIONS UNLESS OTHERWISE NOTED.

8. ALL SIMPLE SHEAR CONNECTIONS SHALL BE CAPABLE OF END ROTATION PER THE REQUIREMENTS OF THE AISC 360 SECTION J1.2.

9. ALL ANCHOR RODS SHALL CONFORM TO ASTM F1554 GR. 36.

10. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR MISC. SHAPES AND PLATES WHICH SHALL BE SHOP-WELDED TO THE STRUCTURAL FRAMING SECTIONS TO MINIMIZE FIELD WELDING.

11. ALL FLOOR AND ROOF OPENINGS, UNLESS OTHERWISE NOTED, ARE TO BE FRAMED WITH L5X3X1/4 (LLV). VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH THE TRADE INVOLVED.

12. PROVIDE L4X4X1/4 SEATS AT COLUMN WEBS, WHERE REQUIRED FOR SUPPORT OF ROOF AND FLOOR DECKS.

13. ALL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER UP, PROVIDE CAMBERS AS INDICATED ON THE DRAWINGS.

14. ALL STIFFENER PLATES AND BEARING STIFFENERS ARE TO BE PROVIDED IN PAIRS.

15. SHEAR CONNECTORS SHALL BE MANUFACTURED BY NELSON STUD WELDING, DIV. OR ENGINEER APPROVED SUBSTITUTE, AND WELDED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

16. ALL STEEL TO RECEIVE ONE SHOP COAT OF PAINT. OMIT PAINT AT HOLES FOR SLIP CRITICAL-TYPE CONNECTIONS, AT STRUCTURAL STEEL TO BE FIREPROOFED, ENCASED OR IN CONTACT WITH CONCRETE, AND ON TOP FLANGE OF BEAMS RECEIVING SHEAR CONNECTORS.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH RELATION TO TEMPERATURE DIFFERENTIALS, ESPECIALLY WITH RESPECT TO STRUCTURAL STEEL FRAMING INTO CONCRETE WALLS, BEAMS OR COLUMNS.

18. PROVIDE TEMPORARY BRACING AS REQUIRED TO ENSURE STABILITY OF THE STRUCTURE UNDER FULL DESIGN LOADS UNTIL THE PERMANENT BRACING IS IN PLACE. CONTRACTOR SHALL PROVIDE NECESSARY SHORING WHERE REQUIRED DURING CONSTRUCTION.

19. SHOP AND FIELD TESTING OF WELDS AND OR BOLTS SHALL BE AS FOLLOWS:
   A. ALL WELDS SHALL BE VISUALLY INSPECTED. 5% AT RANDOM SHALL BE MEASURED.
   B. FILLET WELDS FOR BEAM AND GIRDER SHEAR CONNECTION PLATES (10% AT RANDOM) SHALL BE CHECKED BY MAGNETIC PARTICLE IN ACCORDANCE WITH ASTM E709 FOR FINAL PASS ONLY.
   C. ULTRASONICALLY TEST 100% OF ALL FULL-PENETRATION WELDS IN ACCORDANCE WITH AWS D1.1 - SECTION, PART 'F', "ULTRASONIC TESTING (UT) OF GROOVE WELDS".
   D. CHECK BY CALIBRATED TORQUE WRENCH, 25% OF BOLTS IN EACH FULLY PRETENSIONED CONNECTION JOINT OR SLIP-CRITICAL CONNECTION JOINT, BUT NOT LESS THAN TWO (2) BOLTS PER CONNECTION.
   E. ULTRASONICALLY TEST 100 % OF ALL PARTIAL-PENETRATION COLUMN SPLICE WELDS IN ACCORDANCE WITH AWS D1.1 - SECTION, PART 'F', "ULTRASONIC TESTING (UT) OF GROOVE WELDS".
   F. CHECK 100% OF CONTINUITY PLATE FILLET WELDS BY MAGNETIC PARTICLE ON LAST LAYERS IN ACCORDANCE WITH ASTM E709.
   G. THE OWNER'S TESTING AGENCY SHALL PERFORM ALL SHOP AND FIELD INSPECTION

STRUCTURAL STEEL (CONT.)

FABRICATION AND ERECTION

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE CAUSED BY THE ERECTION OF STRUCTURAL STEEL AS HEREIN SPECIFIED. THE CONTRACTOR SHALL REIMBURSE THE OWNER ACTUAL COST OF REPAIR AND OR REPLACEMENT.

10. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE/DEMOLISH AND PROPERLY DISPOSE OF EXISTING STEEL, AS REQUIRED FOR THE INSTALLATION OF NEW STEEL.

11. CONTRACTOR IS RESPONSIBLE TO DESIGN, PROVIDE AND INSTALL NECESSARY SHORING DURING DEMOLITION AND REPLACEMENT OF STRUCTURAL STEEL. THE SHORING PLAN SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MICHIGAN.

12. TEMPORARILY SUPPORT ALL EXISTING UTILITIES IN WORK AREA AS REQUIRED TO COMPLETE SCOPE-OF-WORK ITEMS.

13. PRIOR TO THE COMPLETION OF THE SCOPE OF WORK, INSTALL PERMANENT SUPPORTS TO ALL EXISTING UTILITIES AFFECTED BY WORK AREA AS REQUIRED TO THE SATISFACTION OF THE OWNER.

HANDLING OF STEEL

1. WHEN THE STRUCTURAL STEEL IS DELIVERED, IT SHALL BE STACKED OFF THE GROUND. CARE SHALL BE TAKEN IN HANDLING AND STACKING THE MEMBERS TO PREVENT BUCKLING, KINKING OR DISTORTION. RAIL AND CARRIER SHIPMENTS SHALL HAVE SUFFICIENT AND SATISFACTORY DUNNAGE TO PREVENT DAMAGE IN TRANSIT.

2. MEMBERS WHICH ARE BENT IN FABRICATION OR IN HANDLING SHALL BE STRAIGHTENED OR REPLACED BEFORE ERECTION.

3. ALL DIRT, MUD AND DEBRIS SHALL BE CLEANED FROM STEEL BEFORE ERECTION.

HIGH STRENGTH BOLTS

1. HIGH STRENGTH BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM DESIGNATION A325 AND SHALL BE USED IN ACCORDANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" LATEST REVISION, BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.

2. ALL BOLTED CONNECTIONS SHALL USE ONLY STANDARD HOLES; EXCEPT SHORT SLOTS, OVERSIZED HOLES AND LONG SLOTS SHALL BE USED WHERE SPECIFICALLY SHOWN OR CALLED OUT ON THE DESIGN DRAWINGS OR MENTIONED HEREIN. OVERSIZED HOLES, AND SHORT AND LONG SLOTS MUST BE TREATED AS SLIP-CRITICAL TYPE CONNECTIONS. HARDENED WASHERS SHALL BE INSTALLED OVER ALL OVERSIZED HOLES AND SHORT SLOTS IN AN OUTER PLY. A PLATE WASHER OR A CONTINUOUS BAR IS REQUIRED FOR ALL LONG SLOTTED HOLES USED IN AN OUTER PLY.

3. THE TIGHTENING MECHANISM USED SHALL BE THE TURN-OF-THE-NUT METHOD. CONTACT SURFACE SHALL NOT BE PAINTED. IN EACH JOINT OR GROUP OF BOLTS 10% (BUT NOT LESS THAN TWO (2) BOLTS) SELECTED AT RANDOM AND NOT IN UNIFORM PATTERN SHALL BE CHECKED. THIS SHALL BE DONE IN THE PRESENCE OF THE OWNER'S DESIGNATED REPRESENTATIVE. IF BOLTING IS FOUND TO BE INADEQUATE UNDER TEST, ALL BOLTS IN THE DEFECTIVE GROUP SHALL BE CHECKED AT THE CONTRACTOR'S EXPENSE.

WELDING

1. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY AWS D1.1 - LATEST ADOPTION "STRUCTURAL WELDING CODE-STEEL".

2. FILLER METAL FOR WELDING SHALL BE IN ACCORDANCE WITH SECTION 3, TABLE 3.1., OF THE AWS D1.1 "STRUCTURAL WELDING CODE - STEEL".

3. ALL WELDED JOINTS SHALL BE MADE USING PRE-QUALIFIED WELDS OR QUALIFIED PER SECTION 4 OF THE AWS D1.1 "STRUCTURAL WELDING CODE - STEEL". ALL QUALIFIED JOINTS ARE LIMITED TO THOSE MADE BY THE FOLLOWING WELDING PROCEDURES:

   1) MANUAL SHIELDED METAL ARC.
   2) SUBMERGED ARC.
   3) GAS METAL ARC (EXCEPT SHORT CIRCUITING TRANSFER).
   4) FLUX-CORED ARC.

4. ALL FIELD WELDING SHALL BE PERFORMED USING THE MANUAL SHIELDED METAL ARC PROCESS OR FCAW @ ERECTORS OPTION.

5. WELDS, INCLUDING TACK WELDS, SHALL BE MADE ONLY BY WELDERS AND WELDING OPERATORS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTS AS PRESCRIBED BY THE AWS D1.1 "STRUCTURAL WELDING CODE - STEEL" AND HAVE CURRENT PAPERS FOR THE TYPE OF JOINT, POSITION AND PROCESS TO BE WELDED.

6. CONTRACTOR TO SUBMIT CURRENT WELDER QUALIFICATION PAPERS TO ENGINEER PRIOR TO COMMENCING WELDING OPERATIONS.

7. THE MINIMUM SIZE FILLET WELD SIZE SHALL BE 3/16". THE SIZE AND LENGTH OF ALL FILLETS SHALL BE PROPORTIONED NOT TO LOCALLY OVERSTRESS THE CONNECTED MEMBERS.

8. FILLET WELDS ON CONNECTING ANGLES OR OTHER UNSYMMETRICAL SECTIONS SHALL BE DESIGNED ACCORDING TO THE ACTUAL STRESSES CARRIED BY THE INDIVIDUAL LINES OF WELDING. SHOP DRAWINGS SHALL INDICATE WELDS REQUIRED.

9. BEFORE WELDING MEMBERS TO EXISTING BEAMS OR COLUMNS, THOROUGHLY CLEAN ALL SURFACES TO REMOVE RUST, PAINT, OILS, DIRT OR OTHER FOREIGN MATTER IN THE AREA OF WELD.

10. WHERE WELDING IS USED, THE OWNER MAY DECIDE TO MAKE NON-DESTRUCTIVE TESTS OF THE WELDS USING RADIOGRAPHY, ULTRASONIC, MAGNETIC AND/OR DYE PENETRANT WELD TEST METHODS IN COMBINATION OR SINGULARLY. THE NON-DESTRUCTIVE INVESTIGATION WILL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY QUALIFIED IN THIS TYPE OF WORK. THE COST OF THIS INVESTIGATION WILL BE ASSUMED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ACCESS AS REQUIRED FOR TESTING PERSONNEL.

11. WELD ACCEPTABILITY SHALL BE BASED ON AWS D1.1-LATEST EDITION "STRUCTURAL WELDING - CODE STEEL" CLAUSE 6. IN THE EVENT THE WELDING IS NOT ACCEPTABLE, THE CONTRACTOR SHALL REMOVE ALL REJECTED WELDS AND REWELD ALL SUCH AREAS. THE CONTRACTOR WILL ASSUME ALL COSTS IN CONNECTION WITH THE REWELDING AND RE-EXAMINATION OF THE REWELDED CONNECTIONS UNTIL THE WELDING IS ACCEPTED BY OWNER.

LIGHT GAUGE METAL FRAMING

1. ALL LIGHT GAUGE METAL FRAMING MEMBERS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISI SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

2. ALL MATERIAL SHALL CONFORM TO ASTM A653 AND TO THE APPLICABLE REQUIREMENTS OF ASTM A924 UNLESS OTHERWISE PROVIDED HEREIN. MATERIAL SHALL HAVE A MINIMUM YIELD POINT OF 33 KSI FOR 18 GAUGE AND 50 KSI FOR 16 GAUGE AND HEAVIER MATERIAL, AND SHALL HAVE A GALVANIZED COATING CONFORMING TO ASTM A653 - COATING DESUGNATION G-60.

3. ALL WELDING SHALL CONFORM TO AWS D1.3 SPECIFICATIONS FOR WELDING SHEET STEEL STRUCTURES, AND AWS D19.0 WELDING ZINC COATED STEEL.

4. UNLESS SPECIFICALLY NOTED, ALL MATERIAL SHALL BE OF A MINIMUM 18 GAUGE THICKNESS, AND SHALL MEET THE DEFLECTION REQUIREMENTS OF THE FINISH MATERIAL TO BE ATTACHED TO THE LIGHT GAUGE FRAMING WORK. DEFLECTION OF LIGHT GAUGE STUDS, UNDER WIND LOAD SERVING AS BACK-UP FOR THE BRICK VENEER SHALL NOT EXCEED SPAN/720, WHEN NOT SPECIFICALLY DESIGNED. THE CONTRACTOR SHALL SUBMIT CALCULATIONS PREPARED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF MICHIGAN FOR REVIEW AND APPROVAL BY THE ARCHITECT/ENGINEER.

5. ALL STUDS AND JOISTS SHALL BE INSTALLED AT SPACING INDICATED ON THE DRAWINGS. UNLESS NOTED, EACH SIDE OF THE OPENINGS SHALL BE FRAMED WITH DOUBLE STUDS.

6. ALL STUDS AND JOISTS SHALL HAVE A BRIDGING LINE INSTALLED AT A MAXIMUM SPACING OF 4'-0".

7. ALL JOISTS SHALL HAVE WEB STIFFENERS AT REACTION POINTS AND CONCENTRATED LOADS.

8. STRUCTURAL CONNECTIONS OF LIGHT GAUGE METAL FRAMING MEMBERS SHALL BE MADE PER MANUFACTURER'S RECOMMENDATIONS, ADEQUATE TO CARRY THE IMPOSED LOADS, AND CONFORMING TO THE ANSI AND AWS SPECIFICATIONS. CONNECTION DESIGN TO BE BASED ON REACTIONS GIVEN ON THE DRAWINGS.

MASONRY

1. CONCRETE MASONRY UNITS (CMU) SHALL BE LAID WITH TYPE S OR M MORTAR AND ALL MORTAR SHALL CONFORM TO ASTM C270. MORTAR MAY BE EITHER TYPE N OR S U.N.O. - USE PORTLAND CEMENT/LIME FOR MORTAR.

2. CONCRETE MASONRY UNIT (CMU) PANELS SHALL HAVE HORIZONTAL JOINT REINFORCEMENT SPACED NOT MORE THAN 16 INCHES ON CENTER, LOCATED IN THE MORTAR BED JOINT, AND EXTENDING THE ENTIRE LENGTH OF THE PANEL, BUT NOT ACROSS EXPANSION JOINTS. LONGITUDINAL WIRES SHALL BE LAPPED A MINIMUM OF 6 IN. AT SPLICES. JOINT REINFORCEMENT SHALL BE PLACED IN THE PANEL. THE REINFORCEMENT SHALL BE PLACED IN THE BED JOINT IMMEDIATELY BELOW AND ABOVE OPENINGS IN THE PANEL. THE REINFORCEMENT SHALL HAVE NOT LESS THAN TWO PARALLEL LONGITUDINAL WIRES OF SIZE W1.7, AND HAVE WELDED CROSS WIRES OF SIZE W1.7.

3. CONCRETE MASONRY HAS BEEN DESIGNED IN ACCORDANCE WITH THE TMS 402/ACI 530/ASCE 5 BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES AND TMS 602/ACI 530/ASCE 6 SPECIFICATION FOR MASONRY STRUCTURES.

4. ALL CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C-90 GRADE N-1, CONCRETE MASONRY TO HAVE 28-DAY COMPRESSIVE STRENGTH FOR AN AVERAGE OF 3 UNITS OF f'm=2800 psi.

5. SPECIAL INSPECTION OF MASONRY CONSTRUCTION IS REQUIRED. REFER TO ACI 530, PART 3 AND MICHIGAN BUILDING CODE 2015, TABLE 1705.3 FOR MINIMUM QUALITY ASSURANCE REQUIREMENTS.

6. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO THE FOLLOWING STANDARDS:

HOLLOW LOAD-BEARING UNITS: TYPE I, GRADE N	ASTM C90
SOLID LOAD-BEARING UNITS:	ASTM C145
MEDIUM WEIGHT UNITS:	110 TO 125 PCF
REGULAR WEIGHT UNITS:	135 PCF

7. POURABLE CONSISTENCY GROUT SHALL BE USED TO FILL CAVITIES AT BEAM, JOIST AND METAL DECK BEARING, AT VERTICAL FILL OF HOLLOW CORES, AND IN BOND BEAMS AND REINFORCED MASONRY BEAMS, PIERS OR COLUMNS. GROUT SHALL CONFORM TO ASTM C476 WITH MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 PSI.

8. STEEL BAR REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60. HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER OR TRUSS TYPE.

9. VERTICAL CELLS CONTAINING REINFORCING AND GROUT SHALL FORM A CONTINUOUS CAVITY, FREE OF MORTAR DROPPINGS.

10. VERTICAL REINFORCING SHALL BE FULLY GROUTED IN THE CORES OF THE CONCRETE MASONRY UNITS AND SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS BUT NOT LESS THAN 24 INCHES. THE VERTICAL REINFORCEMENT SHALL BE LAPPED WITH DOWELS OF SAME SIZE AND SPACING WHICH HAVE BEEN PREVIOUSLY INSTALLED IN THE FOUNDATIONS. EMBEDMENT OF DOWELS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318.

11. VERTICAL REINFORCING SHALL BE PLACED IN THE CENTER OF THE CELL, UNLESS SPECIFICALLY SHOWN OTHERWISE. ALLOWABLE SPACING TOLERANCE IS ± ½". THE USE OF REINFORCEMENT BAR POSITIONERS IS REQUIRED.

12. GROUTING OF MASONRY WALLS SHALL CONFORM TO THE RECOMMENDED PROCEDURE FOR "LOW LIFT GROUTING" OR "HIGH LIFT GROUTING" AS OUTLINED IN THE NCMA - TEK NOTE #23A - GROUTING FOR CONCRETE MASONRY WALLS.

13. LIFTS OF GROUT SHALL BE KEYED 4 INCHES INTO THE PREVIOUS COURSE OF MASONRY BELOW.

14. SAMPLING AND TESTING OF MORTAR AND GROUT SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE NCMA - TEK NOTE #107 LABORATORY AND FIELD TESTING OF MORTAR AND GROUT.

15. TESTING OF MASONRY PRISMS SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE NCMA-TEK NOTE #22A - PRISM TESTING FOR ENGINEERED CONCRETE MASONRY.

16. GRANULAR FILL INSULATION TO BE PERLITE OR OWNER APPROVED EQUIVALENT.

17. PROVIDE CONTROL JOINTS IN ABOVE GRADE EXPOSED MASONRY WALLS FOR THE FOLLOWING CONDITIONS UNO:
   A. AT THE PERPENDICULAR WALLS; ONE-HALF CONTROL JOINT SPACING FROM THE CORNERS.
   B. AT CHANGE IN WALL HEIGHT.
   C. AT CHANGE IN WALL THICKNESS.
   D. AT 2.5:1 MAXIMUM WALL LENGTH TO HEIGHT RATIO

SPECIAL INSPECTIONS & TESTS

SPECIAL INSPECTION SHALL MEET THE REQUIREMENTS OF IBC SECTION 1704. SPECIAL INSPECTOR(S) SHALL BE HIRED BY THE OWNER TO PERFORM THE REQUIRED SPECIAL INSPECTIONS. THE NAMES OF PERSONS OR FIRMS WHO ARE TO PERFORM THE SPECIAL INSPECTIONS SHALL BE FORWARDED TO THE BUILDING OFFICIAL FOR APPROVAL. THE SPECIAL INSPECTOR(S) SHALL COMPLETE AND SUBMIT ALL FORMS REQUIRED BUILDING OFFICIAL.

1. THE SPECIAL INSPECTOR(S) SHALL:
   A. OBSERVE THE WORK ASSIGNED FOR CONFORMANCE TO THE APPROVED DRAWING AND SPECIFICATIONS.
   B. FURNISH INSPECTION REPORTS TO THE ENGINEER OF RECORD AND BUILDING DEPARTMENT. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF NOT CORRECTED, TO THE ENGINEER AND THE BUILDING DEPARTMENT.
   C. SUBMIT TO THE ENGINEER OF RECORD AND THE BUILDING DEPARTMENT A SIGNED FINAL REPORT STATING THAT THE WORK WAS IN CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC.

2. SPECIAL INSPECTION NOTES:
   A. CONTINUOUS SPECIAL INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF THE WORK UNLESS SPECIFICALLY NOTED BELOW.
   B. WHERE FABRICATION OF THE STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, CONTINUOUS SPECIAL INSPECTION IS REQUIRED DURING THE PERFORMANCE OF THE WORK EXCEPT AS ALLOWED IN IBC SECTION 1704.2.5 AND UNLESS SPECIFICALLY NOTED BELOW.
   C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE SPECIAL INSPECTOR(S) WITH ADVANCE NOTICE, NO LESS THAN ONE WORKING DAY, OF THE INITIATION OF ANY WORK REQUIRED TO HAVE SPECIAL INSPECTIONS. ALL WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION WILL BE SUBJECT TO REMOVAL.

3. TYPES OF WORK REQUIRING SPECIAL INSPECTIONS ARE:
   A. **STRUCTURAL STEEL ELEMENTS** OF BUILDINGS AND STRUCTURES AS REQUIRED BY IBC SECTION 1705.2.1 AND AISC 360 SECTION 'N'.
   B. **COLD-FORMED STEEL DECK** AS REQUIRED BY IBC SECTION 1705.2.2 AND SDI QA/QC.
   C. **OPEN-WEB STEEL JOISTS AND JOIST GIRDERS** AS REQUIRED BY IBC SECTION 1705.2.3 AND TABLE 1705.2.3, AS FOLLOWS:
      PERIODIC SPECIAL INSPECTION IN COMPLIANCE WITH SJI SPECIFICATIONS, SECTION 2207.1 FOR INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS REQUIRED FOR:
      a. END CONNECTIONS - WELDING OR BOLTED.
      b. BRIDGING - HORIZONTAL OR DIAGONAL. APPLIES TO BOTH STANDARD BRIDGING AND BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1
   D. **CONCRETE CONSTRUCTION** AS REQUIRED BY IBC SECTION 1705.3 AND TABLE 1705.3, AS FOLLOWS:
      a. **WELDING OF REINFORCING BARS** AS REQUIRED BY IBC SECTION 1705.3.1 AND IN COMPLIANCE WITH AWS D1.4 FOR SPECIAL INSPECTION AND AWS D1.4 FOR SPECIAL INSPECTOR QUALIFICATION.
      b. **MATERIAL TESTS** AS REQUIRED BY IBC SECTION 1705.3.2 AND ACI 318, CHAPTERS 19 AND 20.

SPECIAL INSPECTIONS & TESTS (CONT.)

IBC TABLE 1705.3 - REQ'D. SPECIAL INSPECTION OF CONC. CONSTRUCTION

INSPECTION TYPE	CONTINUOUS INSPECTION	PERIODIC INSPECTION
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.		X
2. REINFORCING BAR WELDING:		
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		X
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM $\frac{5}{16}$"; AND		X
c. INSPECT ALL OTHER WELDS	X	
3. INSPECT ANCHORS CAST IN CONCRETE.		X
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.		X
5. VERIFY USE OF REQUIRED DESIGN MIX.		X
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X
9. INSPECT PRESTRESSED CONCRETE FOR:		
a. APPLICATION OF PRESTRESSING FORCES; AND	X	
b. GROUTING OF BONDED PRESTRESSING TENDONS.	X	
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.		X
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		X
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X

E. **MASONRY CONSTRUCTION** AS REQUIRED BY IBC SECTION 1705.4 AND LEVEL B SPECIAL INSPECTIONS OF TMS 402/ACI 530/ASCE 5 AS FOLLOWS:

TMS TABLE 3.1.2 - LEVEL B QUALITY ASSURANCE

INSPECTION TASK		MINIMUM SPECIAL INSPECTION FREQUENCY
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS		X
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
a. PROPORTIONS OF SITE-PREPARED MORTAR		X
b. CONSTRUCTION OF MORTAR JOINTS		X
c. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES		X
d. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES		X
e. PRESTRESSING TECHNIQUE		X
f. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X	X
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
a. GROUT SPACE		X
b. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES		X
c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES		X
d. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS		X
e. CONSTRUCTION OF MORTAR JOINTS		X
4. VERIFY DURING CONSTRUCTION:		
a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS		X
b. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION		X
c. WELDING OF REINFORCEMENT	X	
d. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32°))		X
e. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X	
f. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X	
g. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X	X
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS		X

F. **WOOD CONSTRUCTION** : SITE-BUILT ASSEMBLIES AS REQUIRED BY IBC SECTION 1705.5, WITH THE EXCEPTION OF PRE-FABRICATED STRUCTURAL WOOD CONSTRUCTION. PRE-FABRICATED STRUCTURAL WOOD ELEMENTS AND ASSEMBLIES AS REQUIRED BY IBC SECTION 1704.2.5.
   a. **HIGH-LOAD DIAPHRAGMS** AS REQUIRED BY IBC SECTION 1705.5.1. **HIGH-LOAD DIAPHRAGMS** DESIGNED IN ACCORDANCE WITH IBC SECTION 2306.2 SHALL REQUIRE SPECIAL INSPECTIONS REQUIRED BY IBC SECTION 1704.2.
      a.a. WOOD STRUCTURAL PANEL SHEATHING TO ASCERTAIN WHETHER IT IS OF THE GRADE AND THICKNESS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS.
      a.b. VERIFY NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES; FASTENER DIAMETER AND LENGTH; NUMBER OF FASTENER UNITS; AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS, AGREES WITH THE APPROVED CONSTRUCTION DOCUMENTS.
   b. **METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER** AS REQUIRED BY IBC 1705.5.2.
      b.a. VERIFY THAT THE TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.

G. **SOILS** AS REQUIRED BY IBC 1705.6 AND TABLE 1705.6 AS FOLLOWS:
   1. PERIODIC SPECIAL INSPECTION REQUIRED TO:
      a. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
      b. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
      c. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.
      d. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED.
   2. CONTINUOUS SPECIAL INSPECTION REQUIRED TO:
      a. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
      b. COMPACTED SOIL BACKFILL IN COMPLIANCE WITH SECTION 1803 SHALL REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH ASTM D1557.

H. **FABRICATED ITEMS** AS REQUIRED BY IBC SECTION 1705.10 AND SECTION 1704.2.5.

I. **SPECIAL INSPECTIONS FOR WIND RESISTANCE** AS REQUIRED BY IBC SECTION 1705.11 AND AS FOLLOWS:
   a. STRUCTURAL WOOD *CONTINUOUS* SPECIAL INSPECTION AS REQUIRED BY IBC SECTION 1705.11.1.
   b. COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION *PERIODIC* SPECIAL INSPECTION AS REQUIRED BY IBC SECTION 1705.11.2.
   c. WIND-RESISTING COMPONENTS *PERIODIC* SPECIAL INSPECTION AS REQUIRED BY IBC SECTION 1705.11.3.

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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www.sidockgroup.com

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Checked: ERA
Approved: RMR

Sheet Title:
STRUCTURAL GENERAL NOTES

Project Number: 24361.A

Sheet Number: S-001

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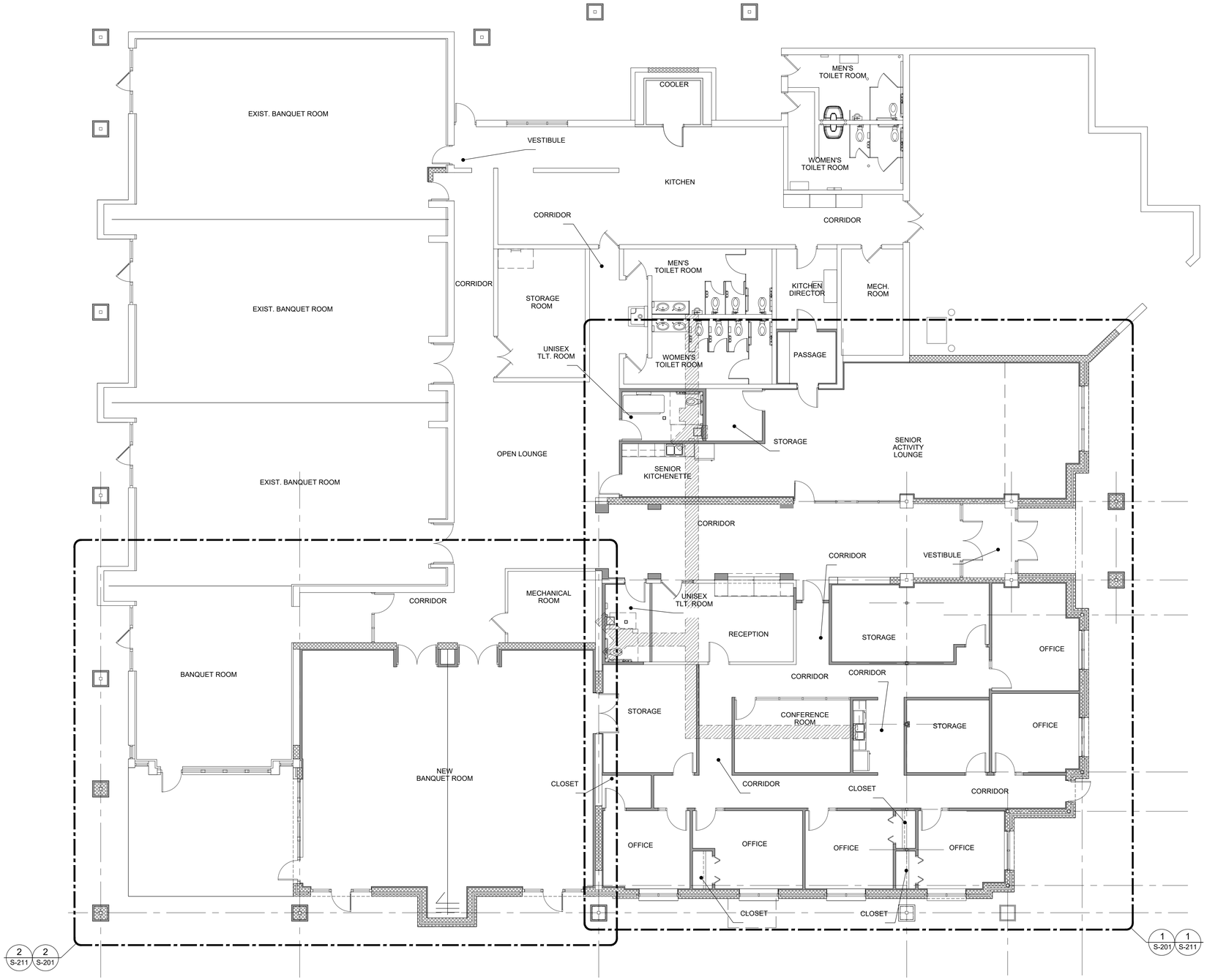

N

OVERALL STRUCTURAL DEMOLITION PLAN

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

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Novi, Michigan 48374
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Sheet Title:
OVERALL STRUCTURAL DEMOLITION PLAN

Project Number: 24361.A

Sheet Number: S-110

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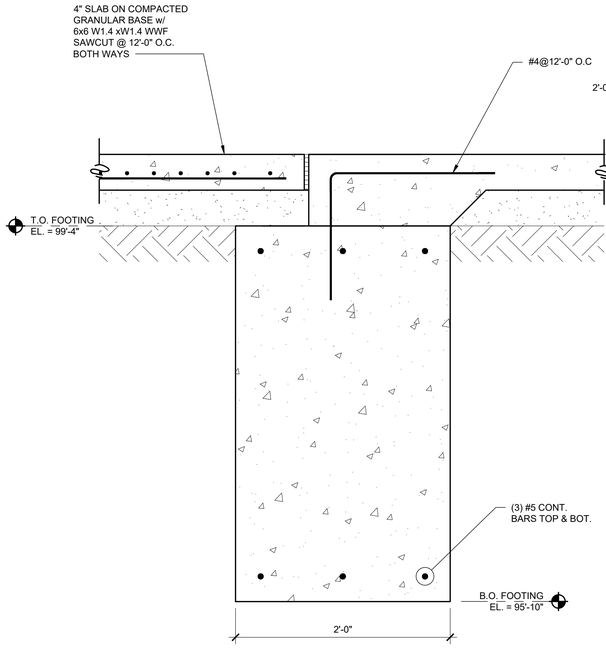
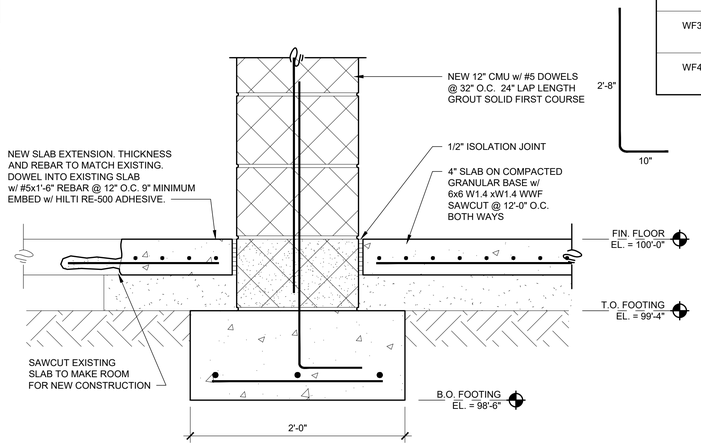
FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F1	4'-0" x 4'-0" x 3'-6"	#5 @ 12" O.C. B/W TOP & BOT.
F2	5'-0" x 5'-0" x 1'-0"	#5 @ 12" O.C. BOT. B/W
WF1	2'-0" x 3'-6" CONC. TRENCH FTG.	(3) #5 CONT. BARS TOP & BOT.
WF2	10" x 3'-6" CONC. TRENCH FTG.	(2) #4 CONT. BARS TOP & BOT.
WF3	8" x 1'-4" CONC. TRENCH FTG.	(2) #4 BOT. BARS (1) #4 NOSING BAR
WF4	2'-0" x 10" STRIP FOOTING	#5 @ 12" O.C. TRANS. BOT. (3) #5 CONT. LONG. BOT.



2B S-201 FOUNDATION DETAIL
SCALE: 1 1/2" = 1'-0"



2A S-201 FOUNDATION DETAIL
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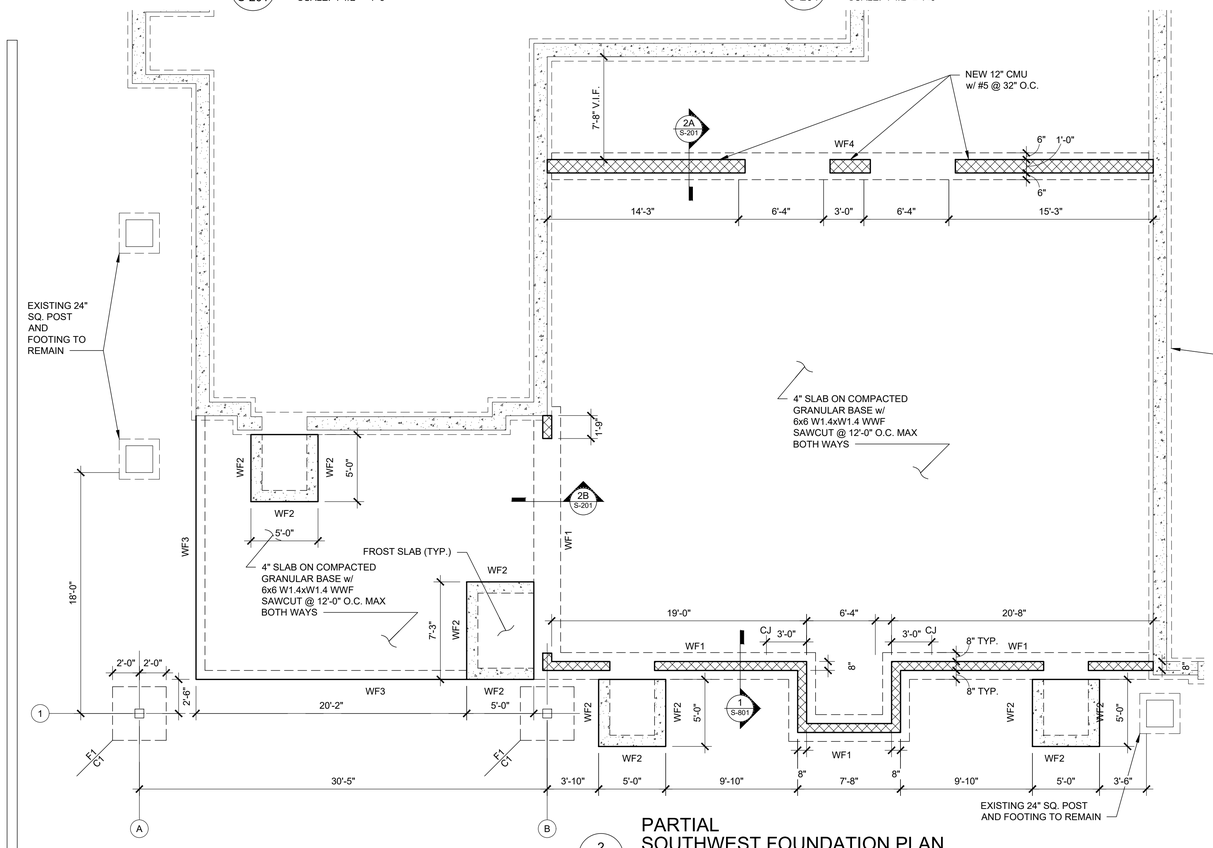
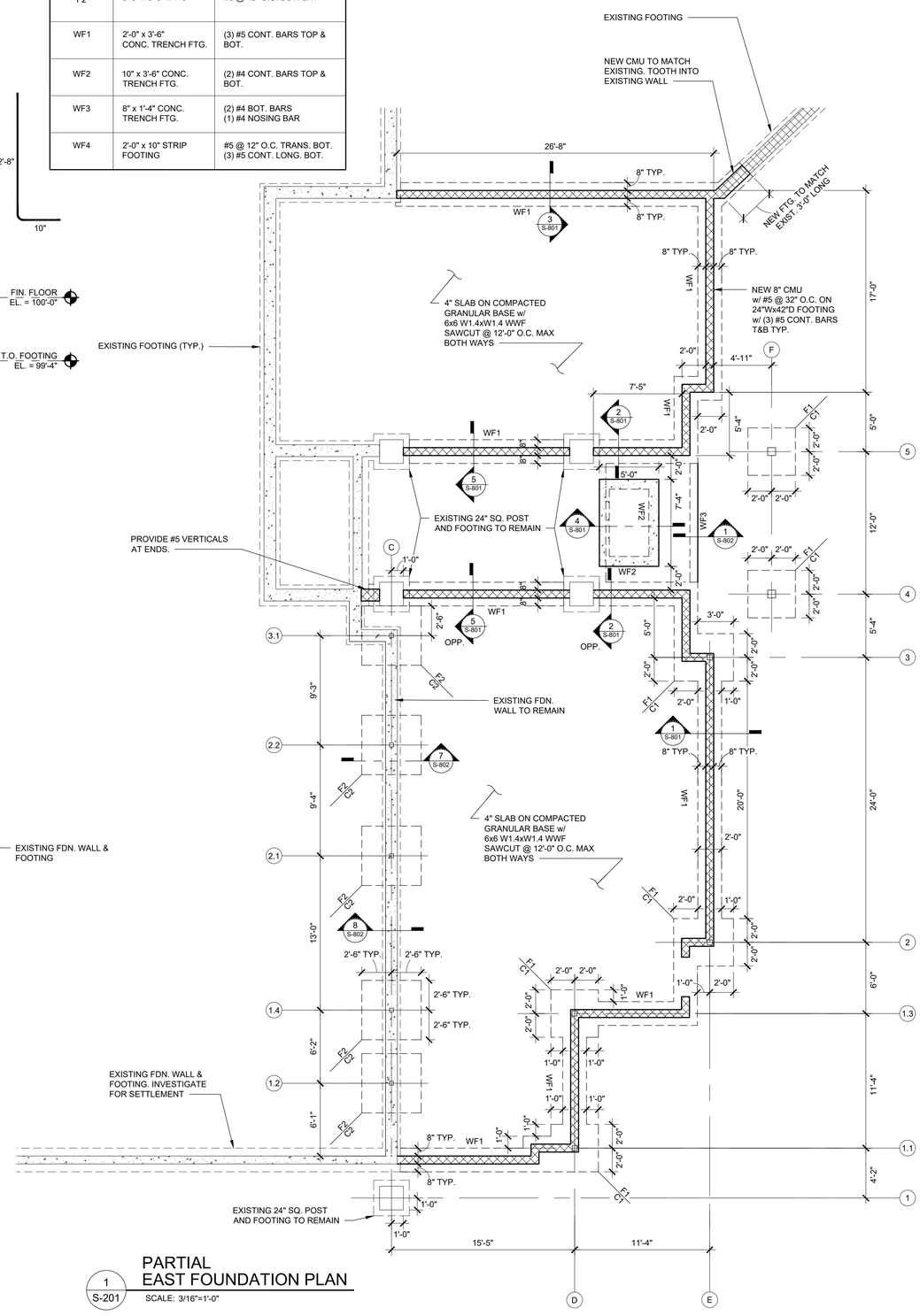


2 S-201 PARTIAL SOUTHWEST FOUNDATION PLAN
SCALE: 3/16"=1'-0"



1 S-201 PARTIAL EAST FOUNDATION PLAN
SCALE: 3/16"=1'-0"

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Corporate Headquarters
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PARTIAL FOUNDATION PLANS

Project Number: 24361.A

Sheet Number: S-201

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FRAMING SCHEDULE

MARK	SIZE	REMARK
B1	5 1/2" x 16" 24F-V4 DF GLULAM	-
VB	BUILD ON LADDER TRUSSES ON NEW ROOF	VARYING LENGTH

GENERAL NOTES

1. 3/4" THICK ROOF SHEATHING w/ 10d COMMON NAILS @ 4" O.C. SPAN SHEATHING PERPENDICULAR TO FRAMING w/ STAGGERED PANEL EDGES. PROVIDE BLOCKING AT PANEL EDGES.
2. PROVIDE CORROSION PROTECTION ON FASTENERS IN PRESSURE TREATED TIMBER.
3. PROVIDE CORROSION PROTECTION ON EXPOSED STEEL.
4. ALL EXTERIOR EXPOSED TIMBER TO BE PRESSURE TREATED.
5. REFER TO ARCHITECTURAL AND OTHER TRADES FOR CLEAR DECK OPENING DIMENSIONS. COORDINATE FINAL LOCATIONS w/ APPROVED EQUIPMENT SHOP DRAWINGS.
6. FLAT CHORD TRUSSES TO BE 24" DEEP.
7. BIRDMOUTH RAFTERS AT GLULAM BEAMS OR USE SIMPSON VARIABLE PITCH CONNECTORS.

LINTEL SCHEDULE

MARK	DESCRIPTION	BEARING PLATE
L1	8"W x 16"H CMU LINTEL w/ (2) #5 BOTTOM BARS	-
L2	12"W x 16"H w/ (2) #5 BOTTOM BARS	-
L3	8"W x 24"H w/ (2) #5 TOP & BOTTOM BARS	-
L4	W8x15 w/ 3/8"x7" TOP PL. & 3/8"x14" BOT.PLATE. 3/8" WEB STIFF. PL. AT ENDS	3/8"x7"x7" BP. w/ (2) 1/2"x5" HEADED STUDS
L5	W8x15 w/ 3/8"x11" TOP & BOT. PL.	3/8"x7"x7" BP. w/ (2) 1/2"x5" HEADED STUDS

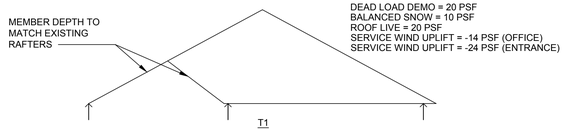
COLUMN SCHEDULE

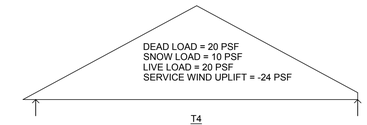
MARK	DESCRIPTION	BASE PLATE	ANCHORS	MIN. EMBED.
C1	HSS 5 x 5 x 1/4	12" x 12" x 3/4"	(4) 3/4"Ø F1554 GR36 HEX HEAD.	12"
C2	HSS 4 x 4 x 1/4	10" x 10" x 3/4"	(4) 3/4"Ø HILTI KWIKBOLT TZ2 - SS304	5 1/2"

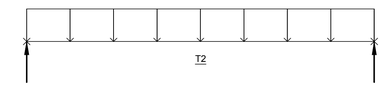
BEARING PLATE SCHEDULE

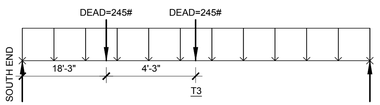
MARK	DESCRIPTION	ANCHORAGE
BP1	3/8" x 5 1/2" x 8" U-PLATE, 8" HIGH	(2) 1/2"Ø x 4" HCA

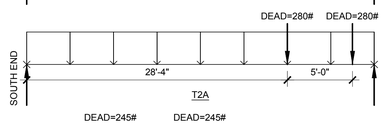
ROOF TRUSSES

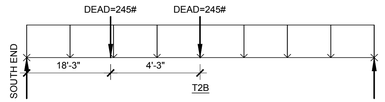


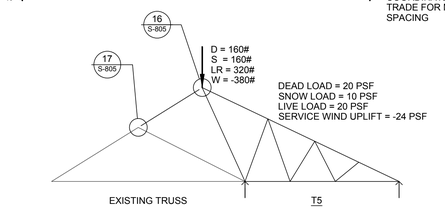


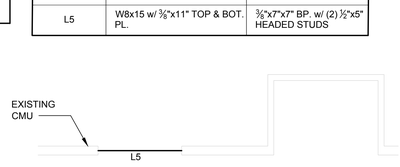






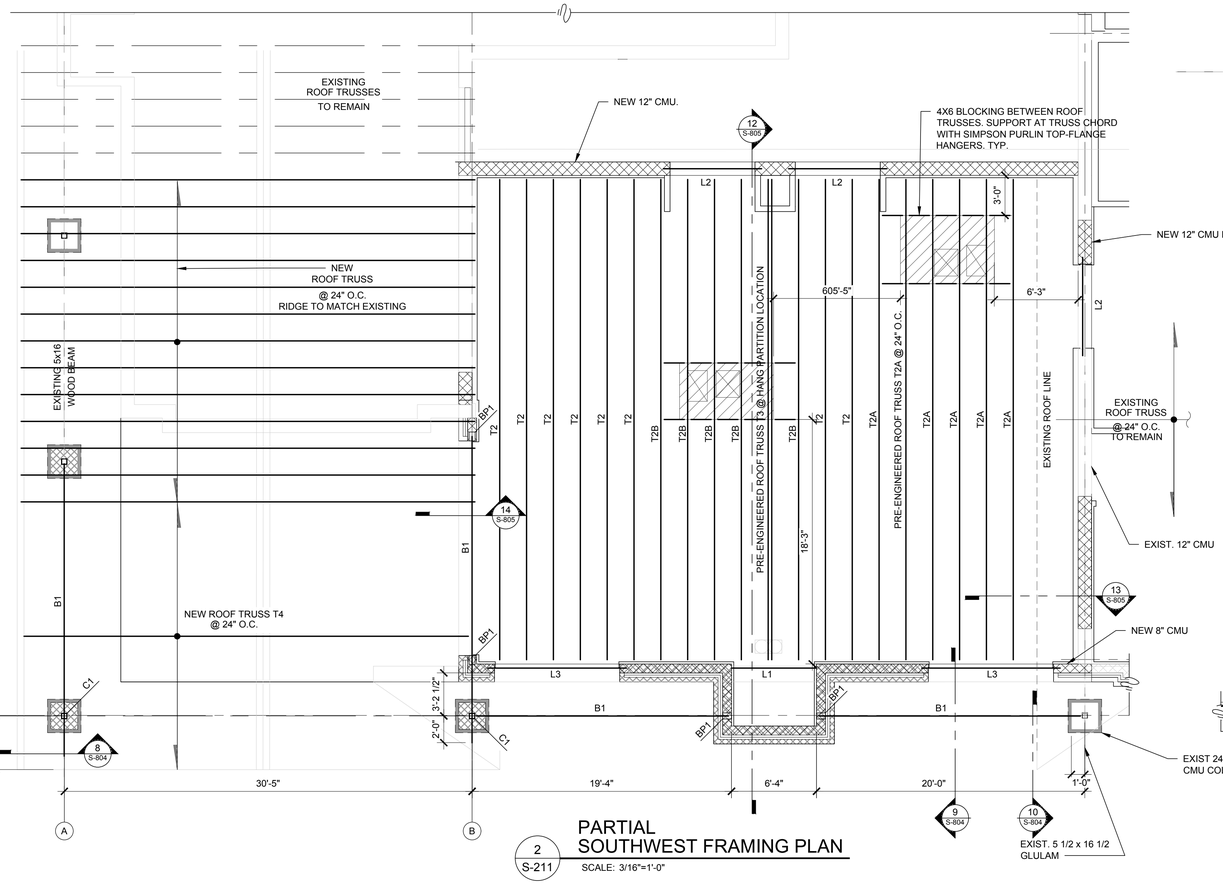






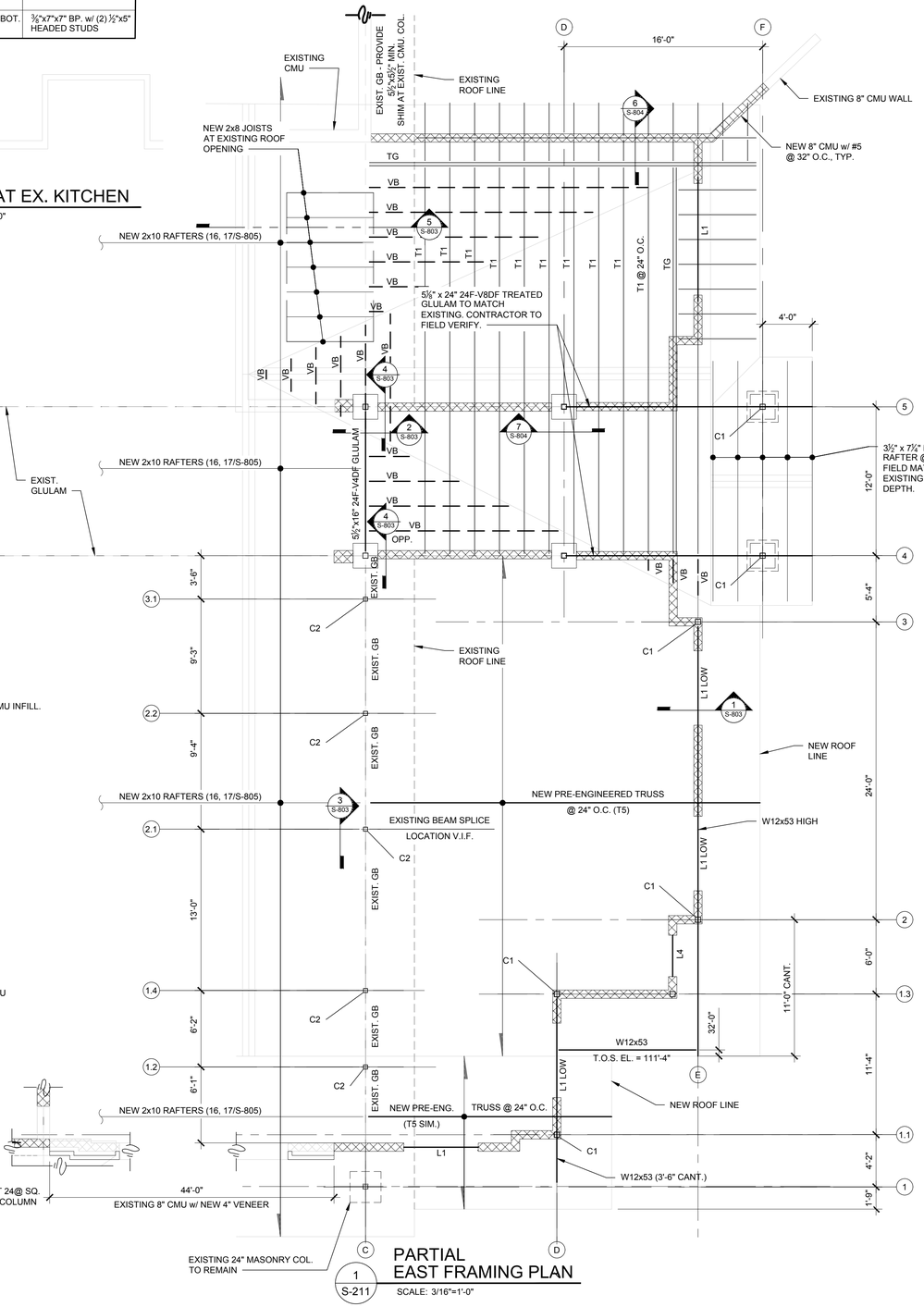
3 S-211 **LINTEL AT EX. KITCHEN**

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



2 S-211 **PARTIAL SOUTHWEST FRAMING PLAN**

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



1 S-211 **PARTIAL EAST FRAMING PLAN**

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

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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PARTIAL FRAMING PLANS

Project Number: 24361.A

Sheet Number: S-211

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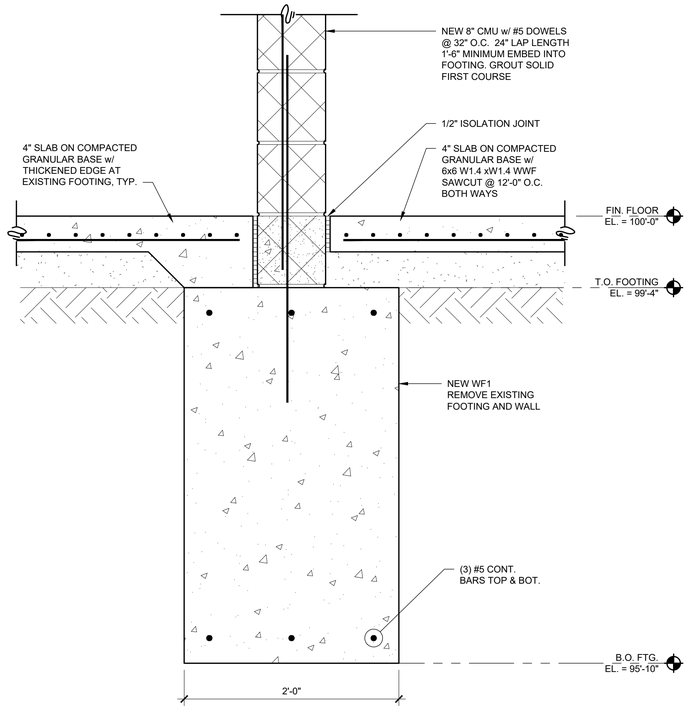
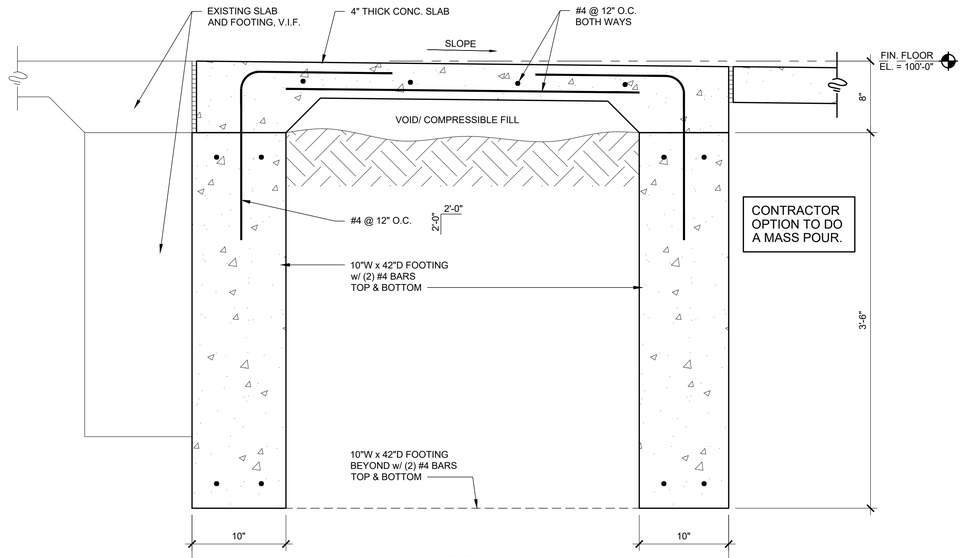


5 S-201 **FOUNDATION DETAIL**
SCALE: 1 1/2" = 1'-0"



4 S-201 **FROST SLAB DETAIL**
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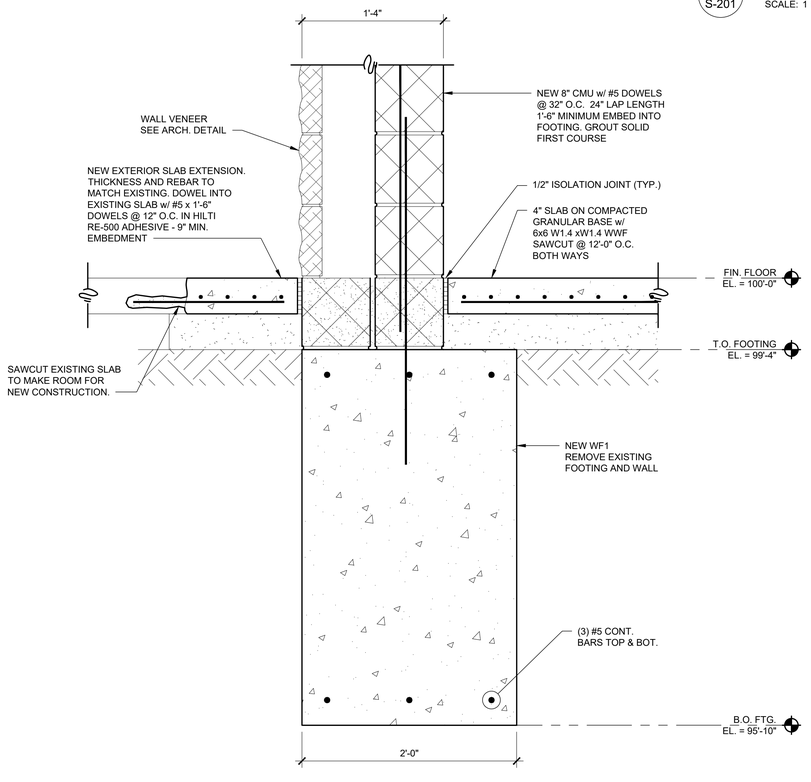

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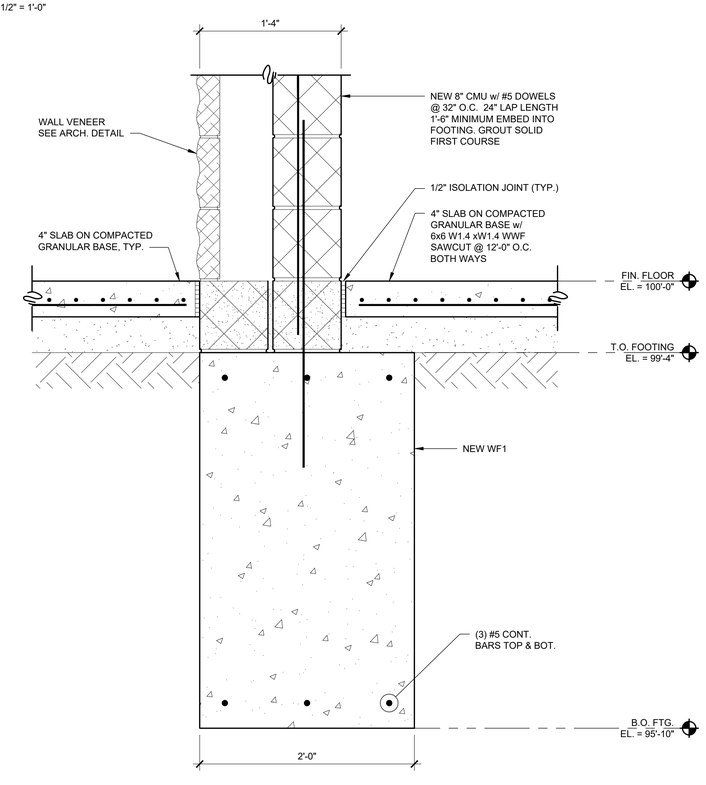

2 S-201 **FOUNDATION DETAIL**
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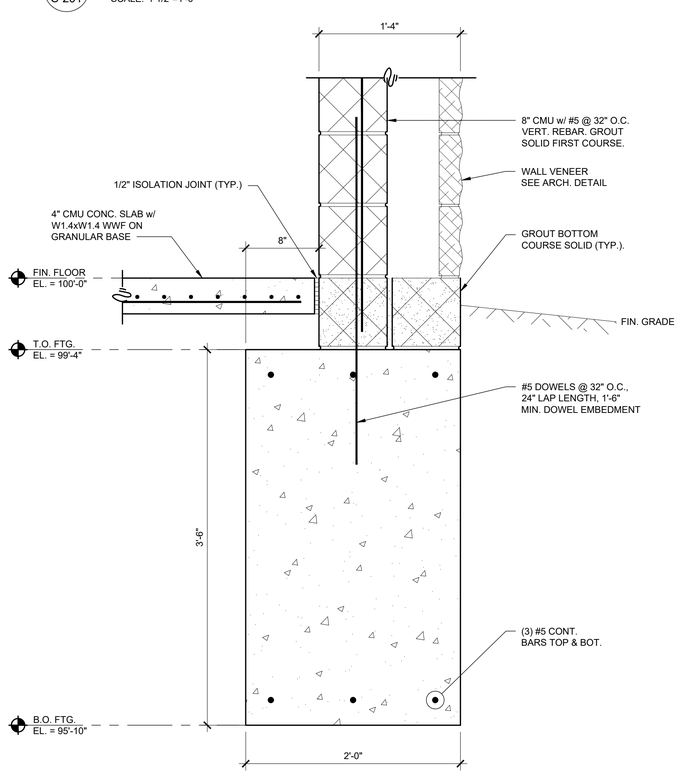

1 S-201 **FOUNDATION DETAIL**
SCALE: 1 1/2"=1'-0"

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STRUCTURAL DETAILS

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Sheet Number: S-801

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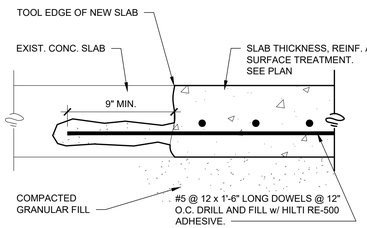
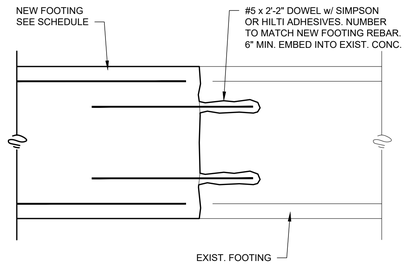


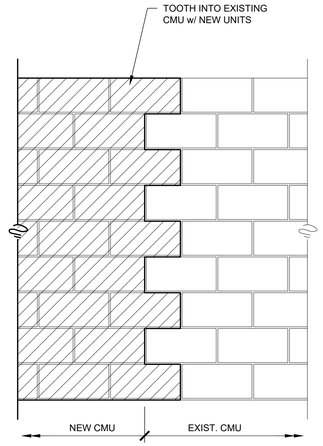
TYPICAL JOINT AT EXIST. SLAB

SCALE: 3" = 1'-0"



TYPICAL NEW FOOTING AT EXISTING

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



TYPICAL NEW CMU AT EXISTING

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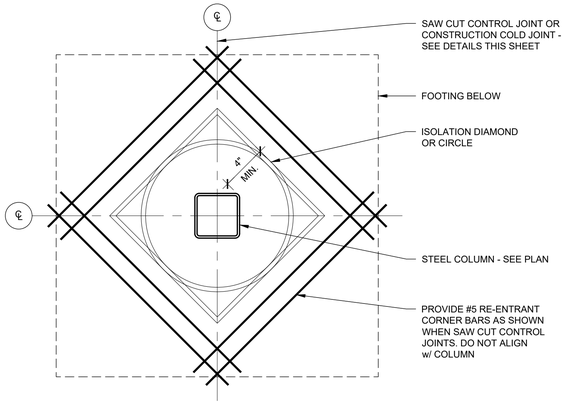

TYPICAL ISOLATION JOINT @ COLUMN

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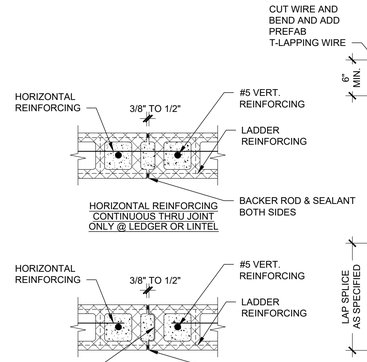
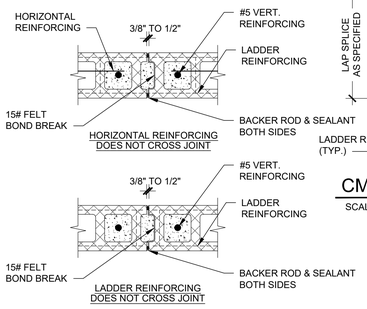
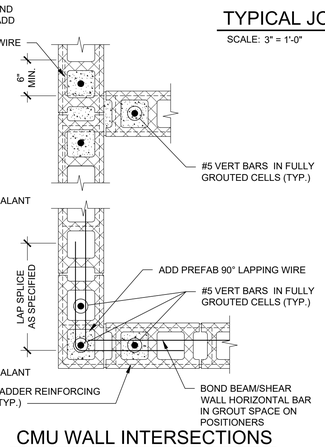




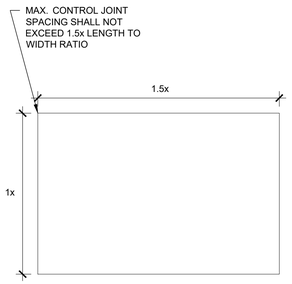


CMU WALL INTERSECTIONS

SCALE: 1" = 1'-0"

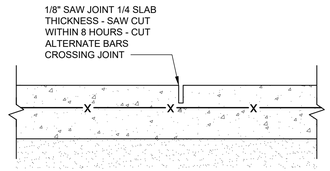
CMU WALL CONTROL JOINTS

SCALE: 1" = 1'-0"



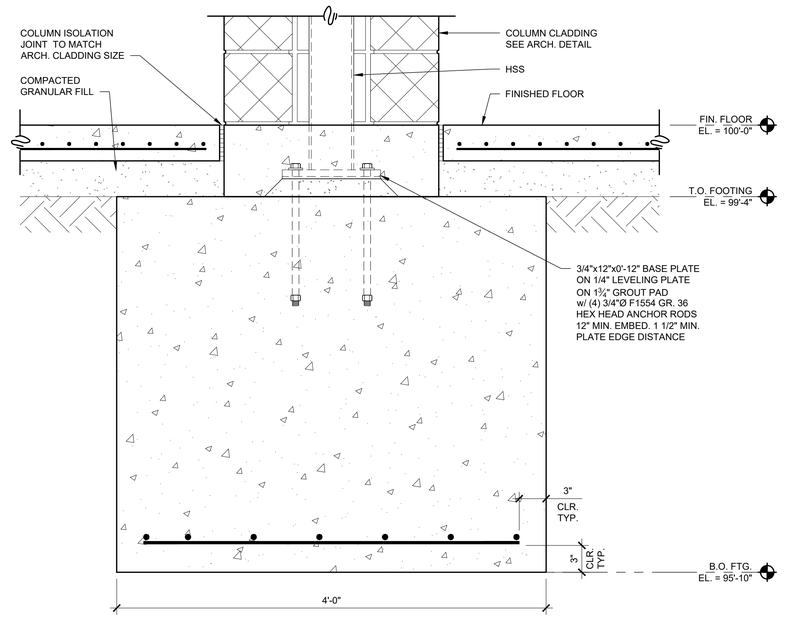
CONTROL JOINT ASPECT RATIO

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



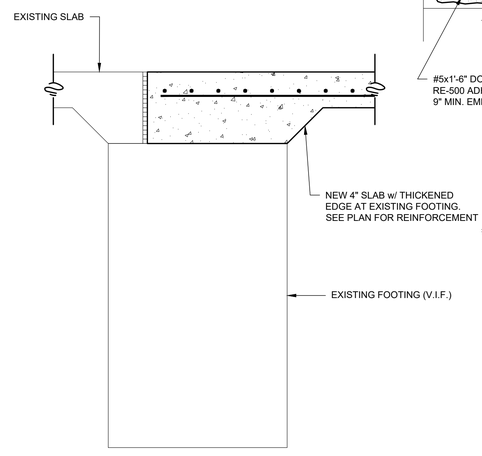
TYPICAL CONTROL / CONSTRUCTION JOINT

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



TYPICAL EXTERIOR COLUMN DETAIL

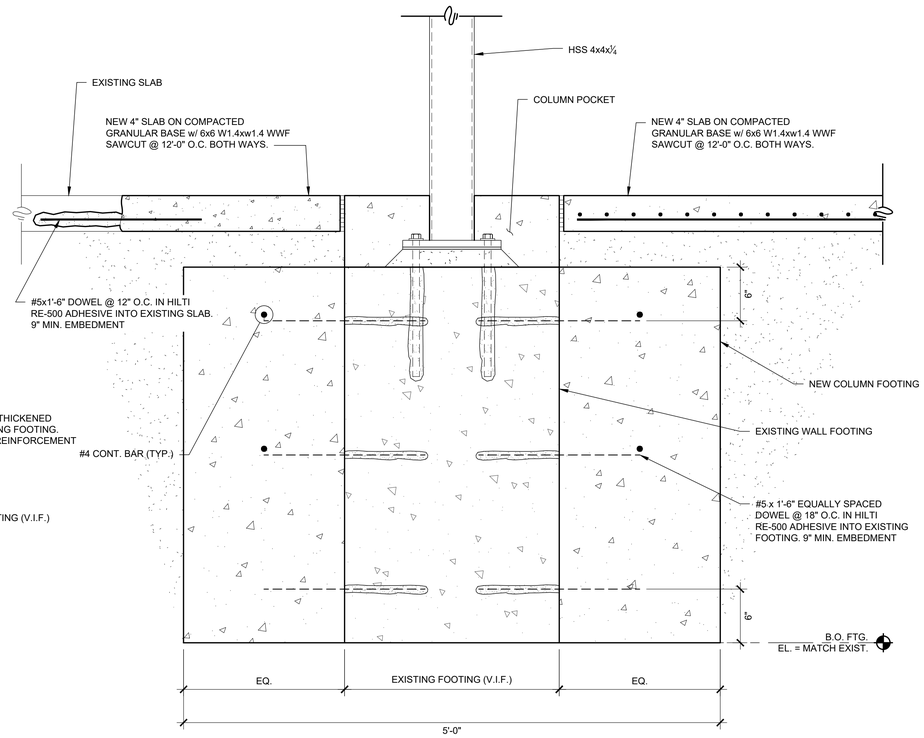
SCALE: 1 1/2" = 1'-0"



8 S-201

SECTION

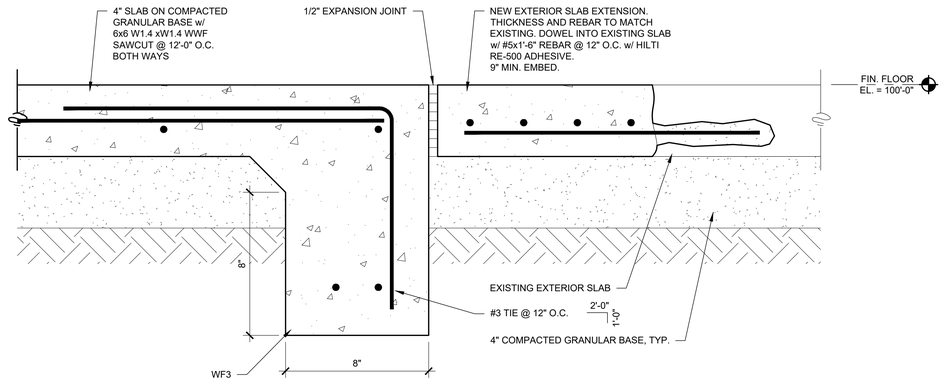
SCALE: 1 1/2"=1'-0"



7 S-201

COLUMN DETAIL

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



1 S-201

SLAB DETAIL

SCALE: 3" = 1'-0"

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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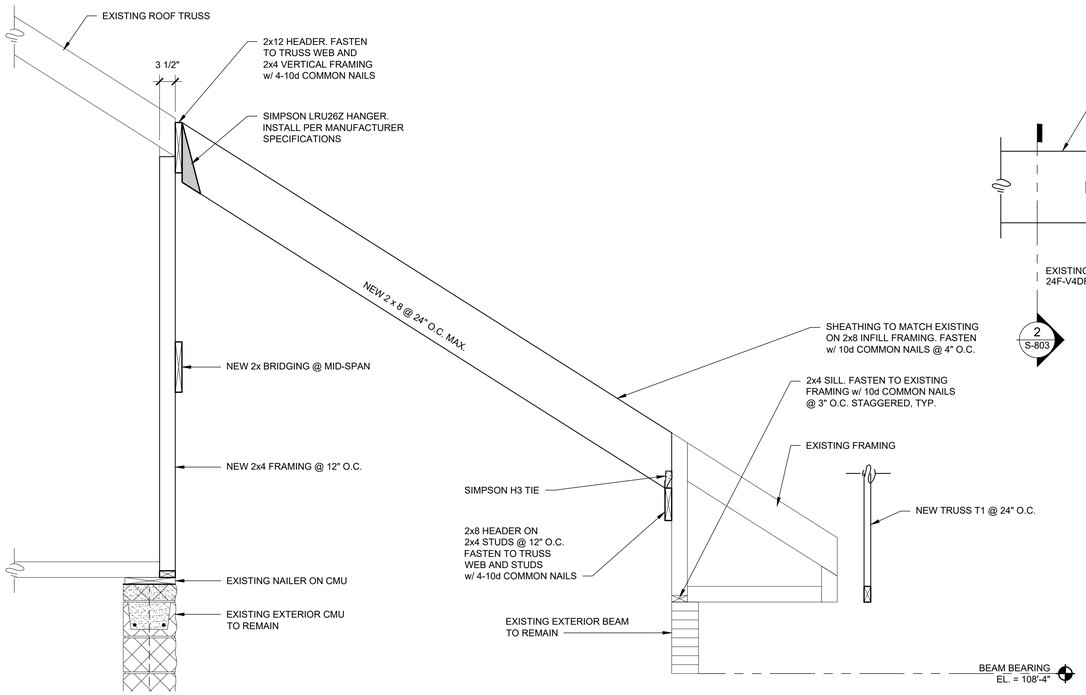
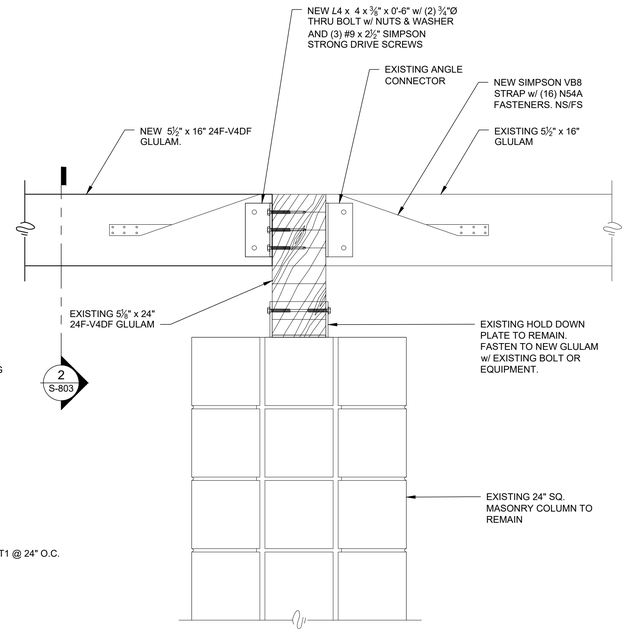


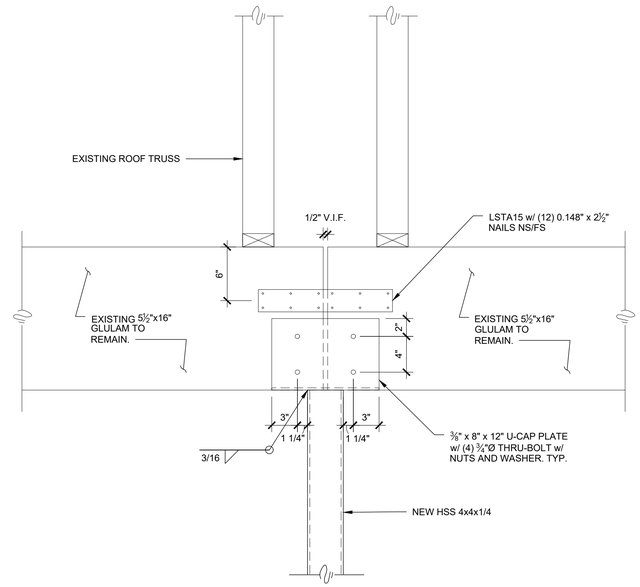
5 S-211 SECTION

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



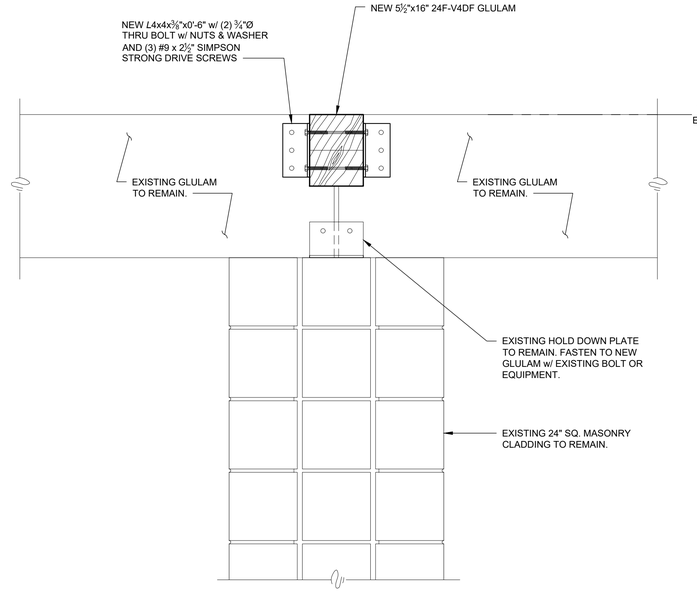
4 S-211 BEAM CONNECTION DETAIL

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



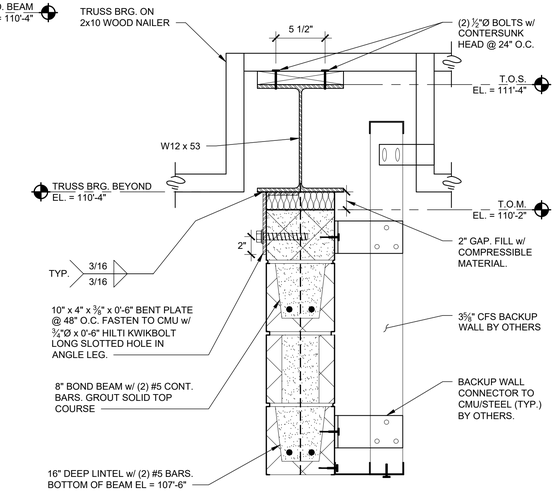
3 S-211 SPLICE CONNECTION DETAIL

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



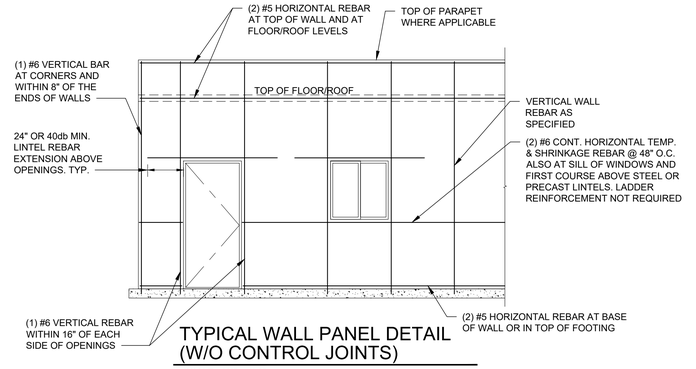
2 S-211 BEAM DETAIL (TYP.)

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



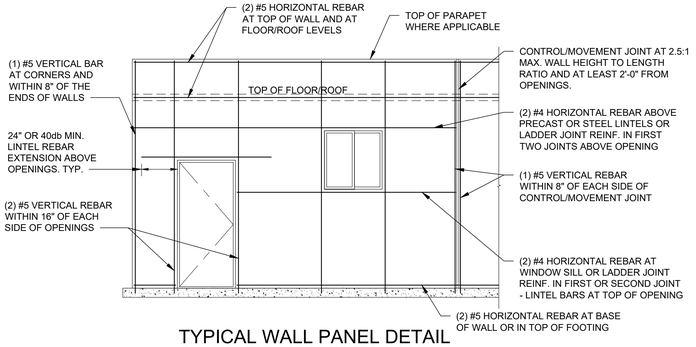
1 S-211 DETAIL

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



TYPICAL WALL PANEL DETAIL (W/O CONTROL JOINTS)

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



TYPICAL WALL PANEL DETAIL (W/CONTROL JOINTS) (U.N.O.)

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

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ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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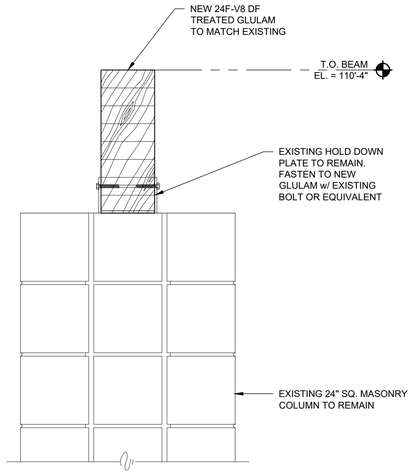
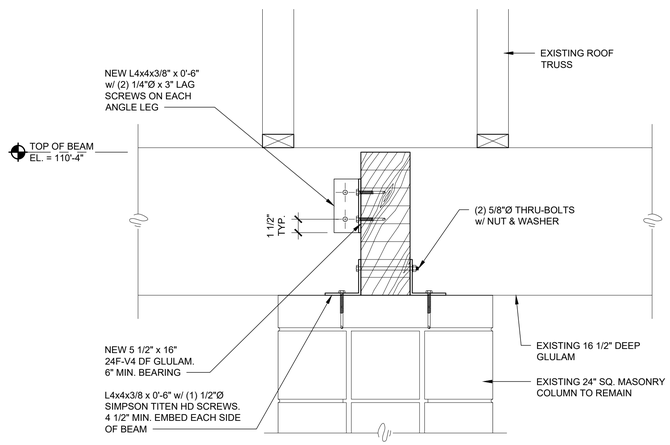


7A / S-804 SECTION
SCALE: 1 1/2" = 1'-0"



10 / S-211 SECTION
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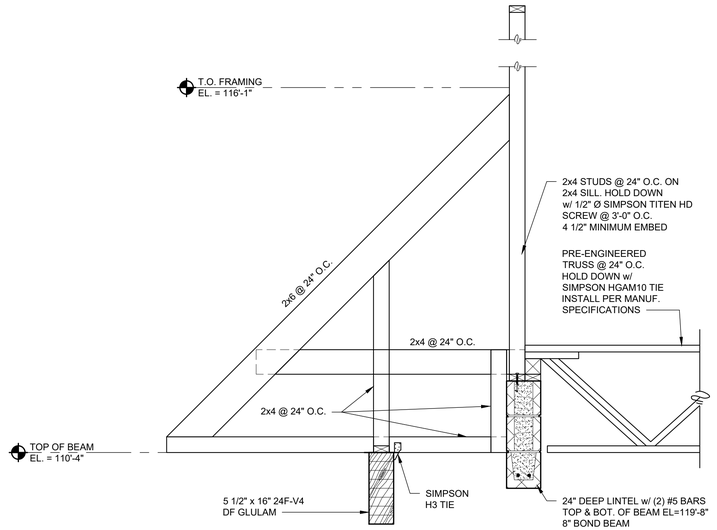
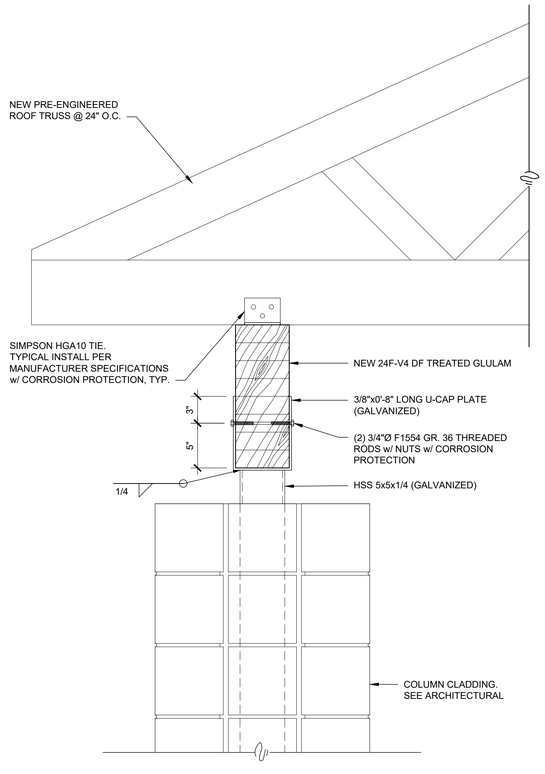


9 / S-211 SECTION
SCALE: 3/4" = 1'-0"



8 / S-211 SECTION
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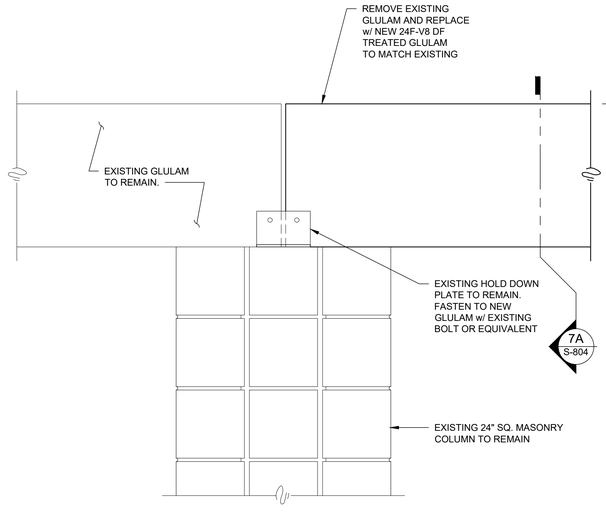
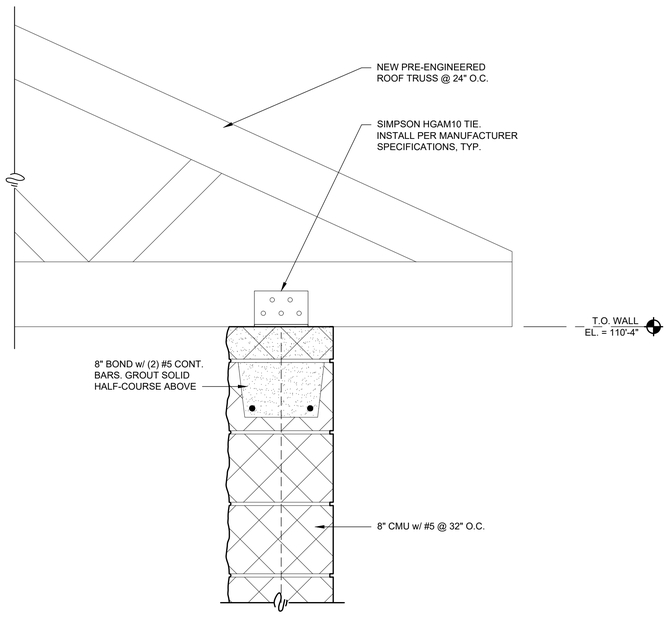


7 / S-211 BEAM DETAIL
SCALE: 1 1/2" = 1'-0"



6 / S-211 BEARING AT CMU
SCALE: 1 1/2" = 1'-0"

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Corporate Headquarters
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Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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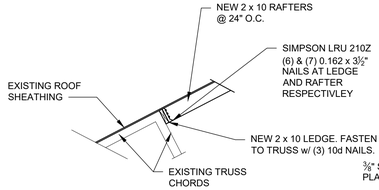
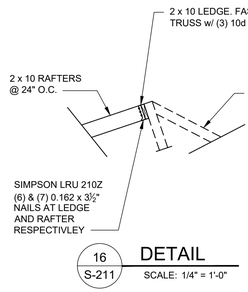
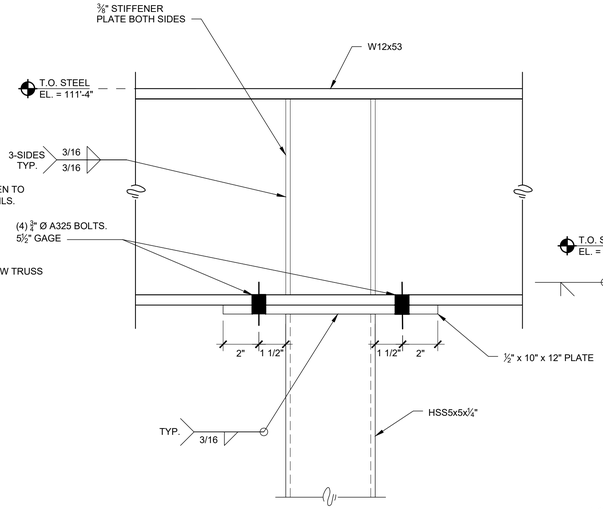


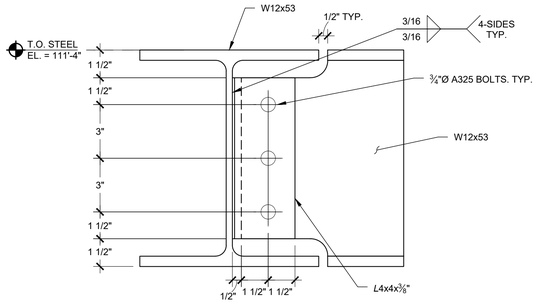
17 S-211 **DETAIL**
SCALE: 1/4" = 1'-0"



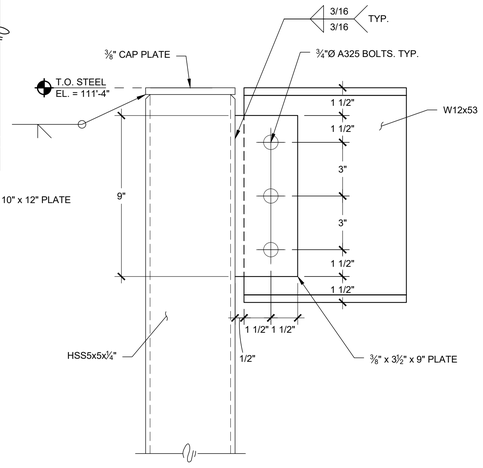
16 S-211 **DETAIL**
SCALE: 1/4" = 1'-0"



BEAM OVER COLUMN DETAIL
SCALE: 3" = 1'-0"



BEAM TO BEAM CONNECTION DETAIL
SCALE: 3" = 1'-0"



W12x53 TO COLUMN DETAIL
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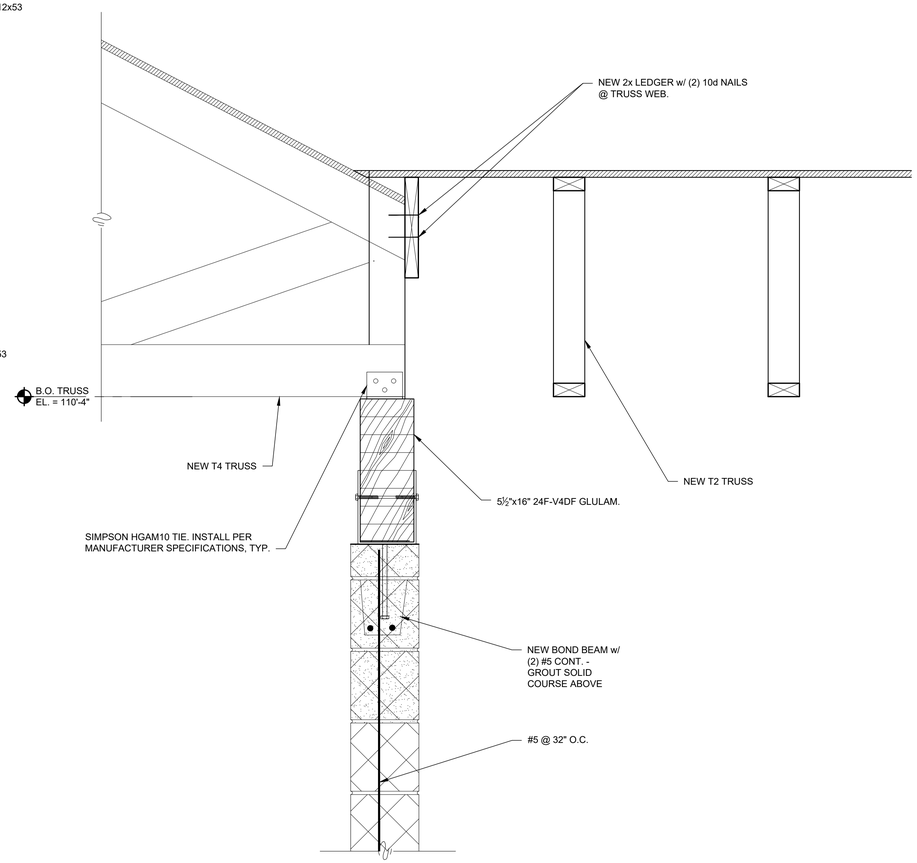
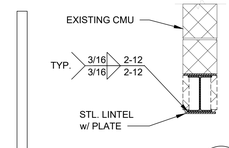
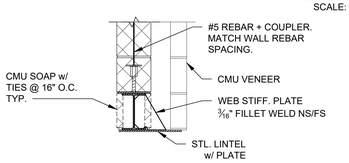
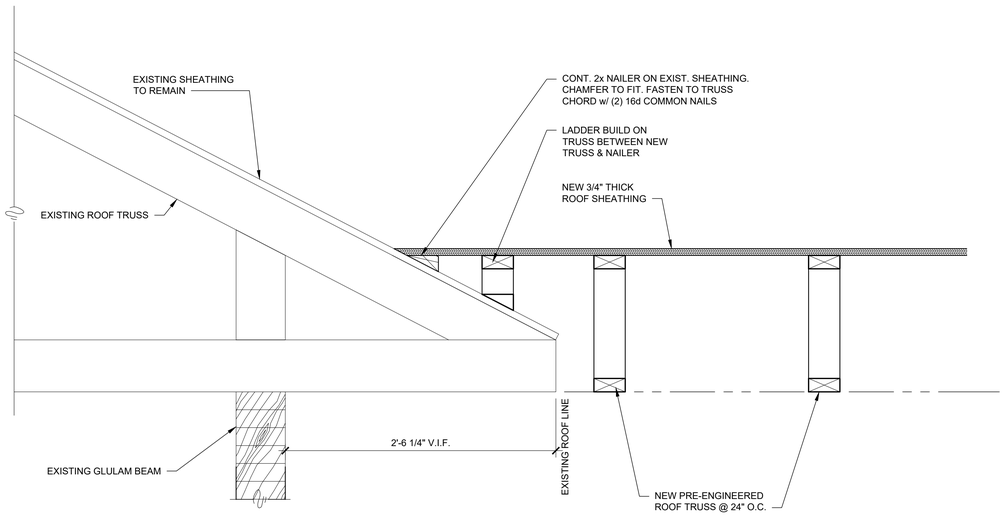


14 S-211 **SECTION**
SCALE: 1 1/2" = 1'-0"

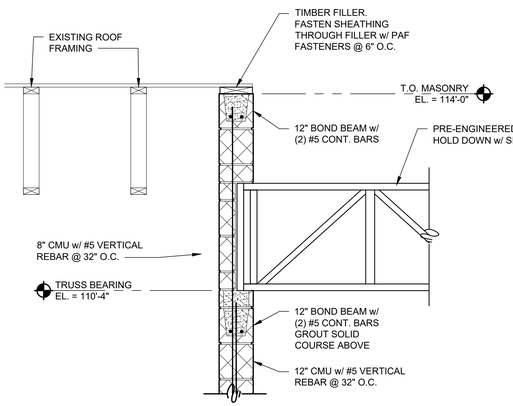


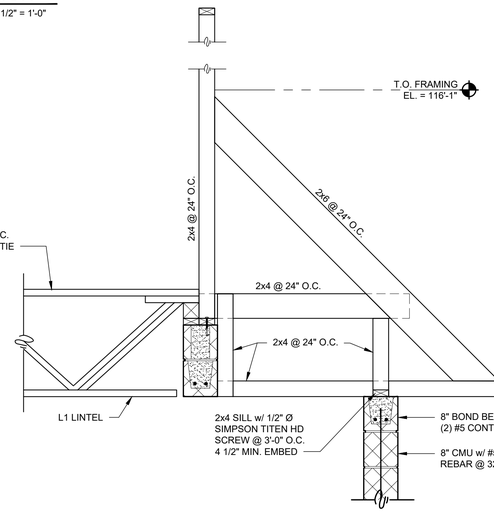


18 S-211 **TYP. STEEL LINTEL**
SCALE: N.T.S.



13 S-211 **SECTION**
SCALE: 1 1/2" = 1'-0"





12 S-211 **SECTION**
SCALE: 3/4" = 1'-0"

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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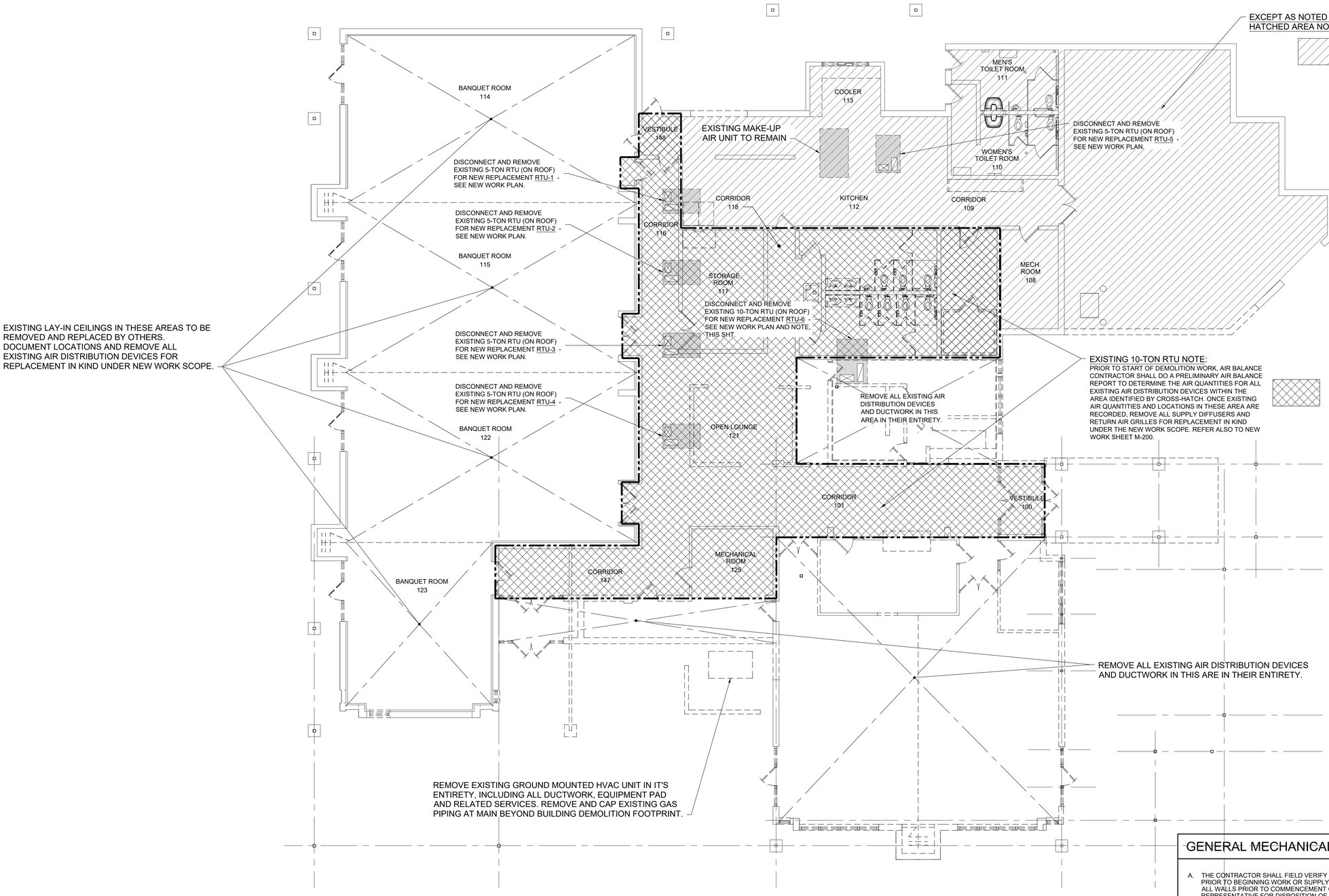

N

MECHANICAL DEMOLITION FLOOR PLAN

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

GENERAL MECHANICAL DEMOLITION NOTES

A. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BEGINNING WORK OR SUPPLYING MATERIALS OR COMPONENTS. LAYOUT ALL WALLS PRIOR TO COMMENCEMENT OF FRAMING AND NOTIFY OWNER'S PROJECT REPRESENTATIVE FOR DISPOSITION OF MAJOR DIMENSIONAL CONFLICTS.

B. COORDINATE ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DEMOLITION W/ OWNER AND SCHEDULE WORK ACCORDINGLY. NOTIFY OWNER AT LEAST 48 HOURS PRIOR TO ANY BUILDING SHUT-DOWN.

C. THESE DEMOLITION NOTES AND PLANS DO NOT FULLY REPRESENT ALL DEMOLITION WORK REQUIRED TO INSTALL NEW WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS, BUT ARE INTENDED TO SERVE AS GENERAL DEMOLITION GUIDELINES. REFER TO ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF INCIDENTAL DEMOLITION WORK NOT INDICATED ON THIS PLAN.

D. THE CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS TO BE SALVAGED AND RELOCATED, THROUGHOUT THE CONSTRUCTION PERIOD, INCLUDING SAFE STORAGE OF SAME. UPON DEMOLITION, THE OWNER SHALL RETAIN THOSE ITEMS DEEMED SALVAGEABLE. ITEMS NOT RETAINED SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHO SHALL LEGALLY DISPOSE OF SAME.

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
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Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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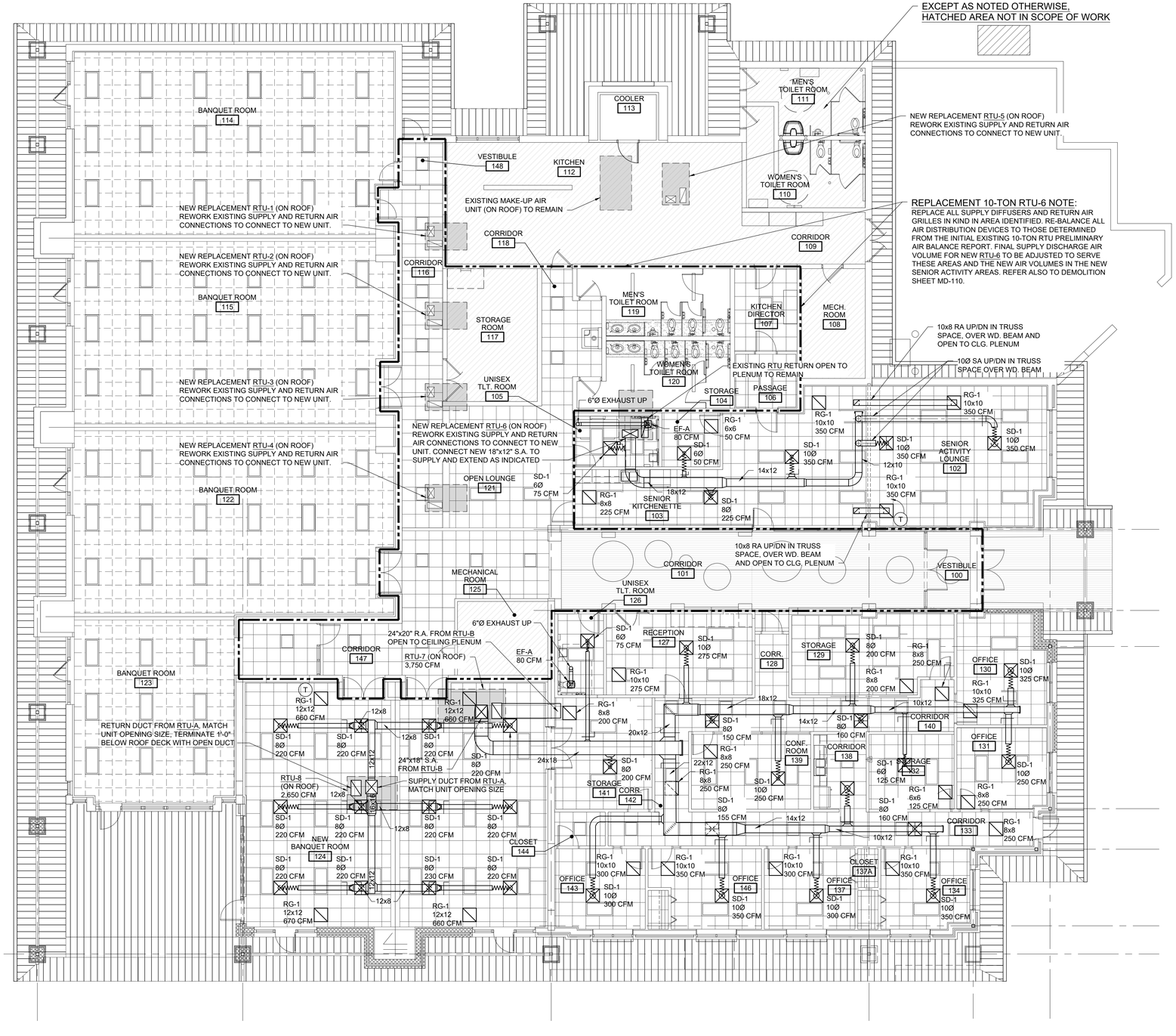

N

MECHANICAL FLOOR PLAN

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

GENERAL MECHANICAL NOTES

1. GENERAL MECHANICAL NOTES APPLY TO ALL MECHANICAL DRAWINGS.
2. CONTRACTOR IS RESPONSIBLE FOR VISITING THE WORKSITE AND THOROUGHLY EXAMINING THE CONDITIONS THAT MAY AFFECT THE WORK REQUIRED BEFORE TENDERING THE BID. SIDOCK GROUP, INC. WILL NOT CONSIDER CLAIMS REGARDING EXTRA FEES FOR WORK OR MATERIALS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE CONTRACT THAT COULD HAVE BEEN DETERMINED WITH A SITE VISIT.
3. THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL INTENT OF THE WORK. PROVIDE COMPLETE PIPING SYSTEMS PER SPECIFICATIONS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, AND FITTINGS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.
4. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
5. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
6. COORDINATE FLOOR, WALL, AND ROOF PENETRATIONS WITH ARCHITECTURAL TRADES.
7. PLUMBING VENT PIPING THRU THE ROOF SHALL BE LOCATED 10' FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF PARAPET.
8. COORDINATE AND PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO BALANCING DAMPERS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
9. ENGINEER OF RECORD SHALL RECEIVE SUBMITTALS FOR ALL HVAC EQUIPMENT. HVAC EQUIPMENT SHALL NOT BE INSTALLED WITHOUT APPROVAL.

MECHANICAL DRAWING NOTE

1. FOR ALL EXISTING AREAS IN THE SCOPE OF THIS PROJECT, THE CONTRACTOR SHALL REPLACE ALL EXISTING GRILLES, REGISTERS AND DIFFUSERS. THE SIZE, STYLE AND LOCATION OF EACH NEW GRILLE, REGISTER AND DIFFUSER SHALL MATCH THE EXISTING AND SHALL BE FROM AN APPROVED MANUFACTURER. ALL EXISTING DUCT, FLEX DUCT, SPIN-IN CONNECTIONS, DAMPERS AND ASSOCIATED COMPONENTS SHALL REMAIN AND BE RECONNECTED.

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Sheet Title:
MECHANICAL FLOOR PLAN

Project Number: 24361.A

Sheet Number: M-200

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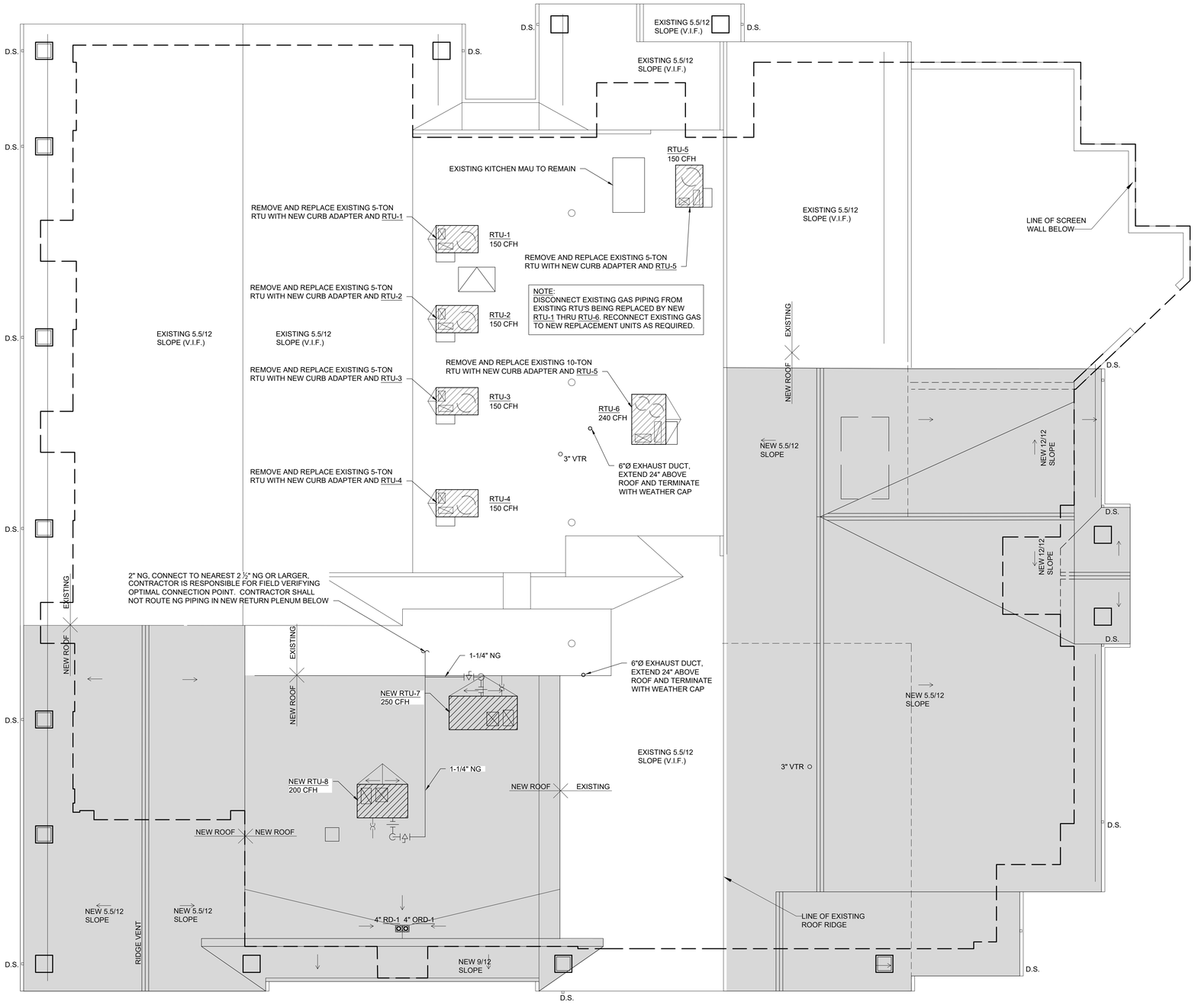

MECHANICAL ROOF PLAN

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

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
Lansing • Gaylord • Sault Ste. Marie
Williamsport, PA • Tampa, FL
www.sidockgroup.com

Client:
Brownstown Township

Project:
Brownstown Community Center Rennovation & Addition

21311 Telegraph Rd.
Brownstown, MI

Seal:

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Sheet Title:
MECHANICAL ROOF PLAN

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ROOFTOP HVAC UNIT SCHEDULE

TAG	LOCATION	SYSTEM SEVICE	SUPPLY AIR (CFM)	RETURN AIR (CFM)	MIN. OUTDOOR AIR (CFM)	SUPPLY FAN DATA							DX COOLING COIL DATA										HEATING SECTION (INDIRECT GAS-FIRED)							FILTER DATA	AIR-COOLED CONDENSING SECTION											DESIGN BASIS						ELECTRICAL				REMARKS
						WHEEL TYPE	QTY / FAN DIA x WIDTH	ESP	TSP	MOTOR HP	FAN RPM	DRIVE TYPE	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	NET TOTAL (MBH)	NET SENS (MBH)	FACE VEL (FPM)	FACE AREA (SQ.FT)	ROWS / FPI	EAT DB (°F)	LAT DB (°F)	OUTPUT (MBH)	INPUT (MBH)	GAS CONS. (CFH)	GAS PRESS. (PSIG)	GAS CONN. (DIA.)	TYPE & EFFICIENCY	NO. OF COMPR.	REFRIG. TYPE	AMBIENT TEMP (°F)	NO. OF COND. FANS	FAN DIA. (INCHES)	FAN TYPE	AIR QTY (CFM)	HP	DRIVE TYPE	RPM	MAKE & MODEL	NOMINAL TONS	EER @AHRI COND.	TYPE	SIZE (L' x w' x H') FT	WEIGHT (LBS)	VOLT	PHASE	UNIT MCA	UNIT MOP	
RTU-1	ROOF MOUNTED	BANQUET ROOM #114	2,000	1,700	300	BC - PLENUM	1/11x11	0.6"	1.0"	1.0	1,165	VARIABLE DIRECT	80.5	67	59.4	57.7	59.37	46.87	286	6.98	2/16	46	101	121.5	150	150	0.5	1/2"	2" PLEATED (MERV 8)	1	R-454B	95	1	22	PROP.	3,270	0.4	DIRECT	1,075	TRANE PRECEDENT **YSK060A3SOH..P0C0A1A1**	5	12	DOWN DISCHARGE	5.82' x 3.69' x 3.91'	860	230	3	32	45	NOTE 1, 2
RTU-2	ROOF MOUNTED	BANQUET ROOM #115	2,000	1,700	300	BC - PLENUM	1/11x11	0.6"	1.0"	1.0	1,165	VARIABLE DIRECT	80.5	67	59.4	57.7	59.37	46.87	286	6.98	2/16	46	101	121.5	150	150	0.5	1/2"	2" PLEATED (MERV 8)	1	R-454B	95	1	22	PROP.	3,270	0.4	DIRECT	1,075	TRANE PRECEDENT **YSK060A3SOH..P0C0A1A1**	5	12	DOWN DISCHARGE	5.82' x 3.69' x 3.91'	860	230	3	32	45	NOTE 1, 2
RTU-3	ROOF MOUNTED	BANQUET ROOM #122	2,000	1,700	300	BC - PLENUM	1/11x11	0.6"	1.0"	1.0	1,165	VARIABLE DIRECT	80.5	67	59.4	57.7	59.37	46.87	286	6.98	2/16	46	101	121.5	150	150	0.5	1/2"	2" PLEATED (MERV 8)	1	R-454B	95	1	22	PROP.	3,270	0.4	DIRECT	1,075	TRANE PRECEDENT **YSK060A3SOH..P0C0A1A1**	5	12	DOWN DISCHARGE	5.82' x 3.69' x 3.91'	860	230	3	32	45	NOTE 1, 2
RTU-4	ROOF MOUNTED	BANQUET ROOM #123/ GENERAL AREAS	2,000	1,700	300	BC - PLENUM	1/11x11	0.6"	1.0"	1.0	1,165	VARIABLE DIRECT	80.5	67	59.4	57.7	59.37	46.87	286	6.98	2/16	46	101	121.5	150	150	0.5	1/2"	2" PLEATED (MERV 8)	1	R-454B	95	1	22	PROP.	3,270	0.4	DIRECT	1,075	TRANE PRECEDENT **YSK060A3SOH..P0C0A1A1**	5	12	DOWN DISCHARGE	5.82' x 3.69' x 3.91'	860	230	3	32	45	NOTE 1, 2
RTU-5	ROOF MOUNTED	KITCHEN #112	2,000	1,700	300	BC - PLENUM	1/11x11	0.6"	1.0"	1.0	1,165	VARIABLE DIRECT	80.5	67	59.4	57.7	59.37	46.87	286	6.98	2/16	46	101	121.5	150	150	0.5	1/2"	2" PLEATED (MERV 8)	1	R-454B	95	1	22	PROP.	3,270	0.4	DIRECT	1,075	TRANE PRECEDENT **YSK060A3SOH..P0C0A1A1**	5	12	DOWN DISCHARGE	5.82' x 3.69' x 3.91'	860	230	3	32	45	NOTE 1, 2
RTU-6	ROOF MOUNTED	SENIOR/ ADDITION AREAS	3,750	3,200	550	BC - PLENUM	1/23x6	0.75"	1.2"	3	1,388	VARIABLE DIRECT	80.6	66.8	58.2	56.6	120.1	93.06	316	11.84	2/18	46	93	194.4	240	240	0.5	3/4"	2" PLEATED (MERV 8)	2	R-454B	95	1	26	PROP.	6,700	0.5	DIRECT	1,100	TRANE PRECEDENT **YSK120A3SOH..P0C0A1A1**	10	11	DOWN DISCHARGE	7.34' x 4.44' x 4.24'	1,325	230	3	62	80	NOTE 1, 2
RTU-7	ROOF MOUNTED	RENOVATED OFFICE AREA	3,750	3,200	550	BC - PLENUM	1/23x6	0.75"	0.93"	4.6	1,248	VARIABLE DIRECT	80.6	66.8	55.7	54	138	97.5	144	26	4/15	46	95	202.5	250	250	0.5	3/4"	2" PLEATED (MERV 8)	2	R-454B	95	1	26	PROP.	6,700	0.5	DIRECT	1,100	TRANE PRECEDENT **YSK150A3SOH..P0C0A1A1**	12.5	10.8	DOWN DISCHARGE	8.30' x 5.26' x 4.24'	1,614	230	3	73	100	NOTE 1
RTU-8	ROOF MOUNTED	NEW BANQUET ROOM #124	2,650	2,250	400	BC - PLENUM	1/23x6	0.6"	0.83"	3	1,063	VARIABLE DIRECT	80.6	67	55.4	54	105.6	74	224	11.84	2/18	46	101	162	200	200	0.5	3/4"	2" PLEATED (MERV 8)	2	R-454B	95	1	26	PROP.	6,700	0.5	DIRECT	1,100	TRANE PRECEDENT **YSK102A3SOH..P0C0A1A1**	8.5	11	DOWN DISCHARGE	7.34' x 4.44' x 4.24'	1,385	230	3	58	70	NOTE 1

NOTES

1: INCLUDES THROUGH THE BASE ELECTRICAL WITH DISCONNECT SWITCH; GFCI, 120V/15A, 2 PLUG UNPOWERED CONVENIENCE OUTLET

2: PROVIDE NEW ROOF CURB ADAPTER AS REQUIRED

EXHAUST FAN SCHEDULE

MARK	SERVING	LOCATION	TYPE	AIR QUANTITY (CFM)	EXT. ST. PR. (IN. W.C.)	ELECTRICAL				DESIGN BASIS		DRAWING NUMBER	REMARKS
						VOLT	PHASE	AMPS	WATTS	MAKE	MODEL		
EF-A	UNISEX TOILET ROOM 105 AND 126	CEILING	CENTRIFUGAL	80	0.250	120	1	0.3	31.4	BROAN	QTXE110C	M-200	1, 2, 3

REMARKS

1	GRAVITY BACKDRAFT DAMPER
2	ROOF TERMINATION CAP/CURB
3	SWITCH WITH ROOM LIGHTSD

DIFFUSER, REGISTER AND GRILLE SCHEDULE

REF	SERVICE & TYPE	MODEL NUMBERS (DESIGN BASIS)	ACCESSORIES						MATERIAL			FINISH			COLOR					DEFLECTION	BLADE SPACING	REMARKS
			CONTROL GRID	OPPOSED BLADE DAMPER	SQ. TO ROUND ADAPTER	SEPARATE PLASTER FRAME	OTHER DAMPER		STEEL	ALUMINUM	OTHER	BAKED ENAMEL	LACQUER	ANODIZED	STANDARD GRAY	CLEAR OR LACQUER	STD OFF-WHITE	MATCH T-BAR	MATCH CEILING			
SD-1	SUPPLY DIFFUSER	PRICE SPD							X			X					X					BORDER TYPE - LAY IN
RG-1	RETURN AIR GRILLE	PRICE PDDR							X			X					X					BORDER TYPE - LAY IN

NOTES: DIFFUSER, REGISTER AND GRILLE SCHEDULE

1. MODEL NUMBERS ARE FOR GENERAL IDENTIFICATION. VERIFY MOUNTING LOCATION, TYPE AND DIMENSIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN.
2. PROVIDE SQUARE TO ROUND TRANSITION WHERE REQUIRED.

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

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Williamsport, PA • Tampa, FL
www.sidockgroup.com

Client:
Brownstown Township

Project:
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21311 Telegraph Rd.
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Seal:

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MECHANICAL SCHEDULES

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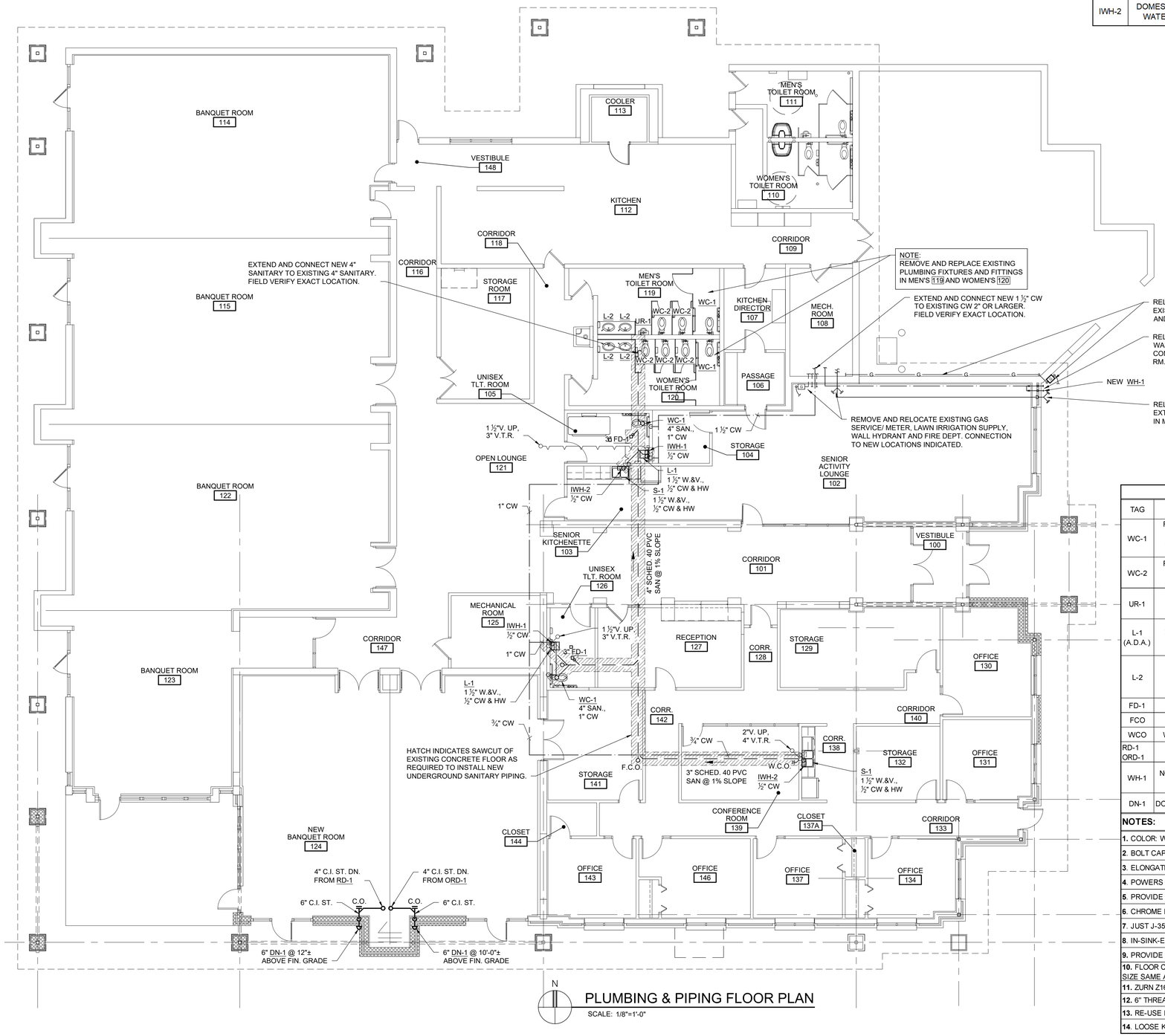
ELECTRIC INSTANTANEOUS DOMESTIC WATER HEATER

TAG	SYSTEM SERVED	LOCATION	MANUFACTURER AND MODEL NUMBER	CAPACITIES		ELECTRICAL				NOTES/ ACCESSORIES
				MAXIMUM FLOW GPM	TEMP. RISE @ MAX. FLOW	VOLTS	PHASE	KW	AMPS	
IWH-1	DOMESTIC WATER	SEE PLAN	EEMAX SPEX4208T	0.5	56 deg F	208	1	4.1	20	
IWH-2	DOMESTIC WATER	SEE PLAN	EEMAX SPEX8208T	1.0	57 deg F	208	1	8.3	40	



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PLUMBING & PIPING FLOOR PLAN

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

FIRE PROTECTION NOTE

THE ENTIRE BUILDING IS PRESENTLY PROTECTED BY A SYSTEM OF AUTOMATIC SPRINKLERS. THE NEW ADDITION AND AREAS OF RENOVATION ARE TO RECEIVED AN EXTENSION OF THE FIRE PROTECTION SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF N.F.P.A. - 13 FOR AN ORDINARY HAZARD, GROUP I CLASSIFICATION. NEW WORK SHALL INCLUDE REWORKING OF THE SPRINKLER HEAD IN THE NEW COOLER LOCATION AND REWORKING OF THE FIRE DEPARTMENT CONNECTION AS INDICATED ON THE DRAWINGS. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE SYSTEM DESIGN, APPROVAL AND INSTALLATION AND SHALL SUBMIT TO THE ARCHITECT/ENGINEER FOR RECORD DESIGN DRAWINGS AND HYDRAULIC CALCULATIONS BEARING THE APPROVAL OF THE LOCAL FIRE AUTHORITY.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	FIXTURE (DESIGN BASIS)		TRIM (DESIGN BASIS)							
		MFR.	MODEL NO.	TRIM	MFR.	MODEL NO.	CW	HW	WASTE	VENT	REMARKS
WC-1	FLOOR MOUNTED FLUSH VALVE WATER CLOSET (ADA)	AMERICAN STANDARD	MADERA 3043.001 (1.6 GPF)	FLUSH VALVE	ROYAL SLOAN	111 (1.6 GPF)	1	-	4	2	1, 2, 3
WC-2	FLOOR MOUNTED FLUSH VALVE WATER CLOSET	AMERICAN STANDARD	MADERA 2234.001 (1.6 GPF)	FLUSH VALVE	ROYAL SLOAN	111 (1.6 GPF)	1	-	4	2	1, 2, 3
UR-1	URINAL-WALL MOUNTED	AMERICAN STANDARD	WASHBROOK 6590.001 (1.0 GPF)	FLUSH VALVE	ROYAL SLOAN	186-1 (1.0 GPF)	0.75	-	2	1.5	1, 13
L-1 (A.D.A.)	WALL MOUNTED LAVATORY	AMERICAN STANDARD	LUCERNE 355.012	FAUCET	AMERICAN STANDARD "RELIANT 3"	7385.050 4" C.C. LEVER HANDLE w/ GRID DRAIN	0.5	0.5	1.5	1.5	4, 5, 6
L-2	COUNTERTOP LAVATORY	AMERICAN STANDARD	RONDALYN 491.019	FAUCET	AMERICAN STANDARD "RELIANT 3"	7385.050 4" C.C. LEVER HANDLE w/ GRID DRAIN	0.5	0.5	1.5	1.5	4, 5, 6
FD-1	FLOOR DRAIN	ZURN	ZN415						3	1.5	9
FCO	CLEANOUT	ZURN	Z-1440						3	-	10
WCO	WALL CLEANOUT	ZURN	Z-1446								
RD-1 ORD-1	ROOF DRAIN	ZURN	Z164								11
WH-1	NON-FREEZE WALL HYDRANT	WOODFORD	B-67				0.75	-	-	-	14
DN-1	DOWNSPOUT NOZZLE	ZURN	Z-100-IP								12

NOTES:

1. COLOR: WHITE

2. BOLT CAPS

3. ELONGATED, WHITE OPEN FRONT TOILET SEAT; A.S. MODEL 5901110T

4. POWERS HYDROGUARD #141-650 TEMPERING VALVE

5. PROVIDE WRAP ON SUPPIES AND WASTE PIPING EQUAL TO McGUIRE "PRO-WRAP"

6. CHROME PLATED P-TRAP, ANGLE STOPS & ESCUTCHEONS

7. JUST J-35-316 CUP STRAINER & TAILPIECE

8. IN-SINK-ERATOR POWER 15SS DISPOSER w/ POWER CORD; 3/4 H.P.; 120V/1ph.; 9.5A.

9. PROVIDE TRAP SEALER ON ALL FLOOR DRAINS - *SURE SEAL* INLINE FLOOR DRAIN TRAP SEALER.

10. FLOOR CLEANOUT WITH COUNTERSUNK PLUG - DURA COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG. SIZE SAME AS DRAINAGE.

11. ZURN Z164 - 12"Ø COMBINATION MAIN ROOF AND OVERFLOW DRAIN (WITH 2" HIGH WATER DAM)

12. 6" THREADED INLET

13. RE-USE EXISTING CARRIER IF POSSIBLE - OTHERWISE PROVIDE NEW CONCEALED WALL CARRIER; ZURN OR EQUAL

14. LOOSE KEY AND VACUUM BREAKER

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
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PLUMBING & PIPING FLOOR PLAN

Project Number: 24361.A

Sheet Number: P-200

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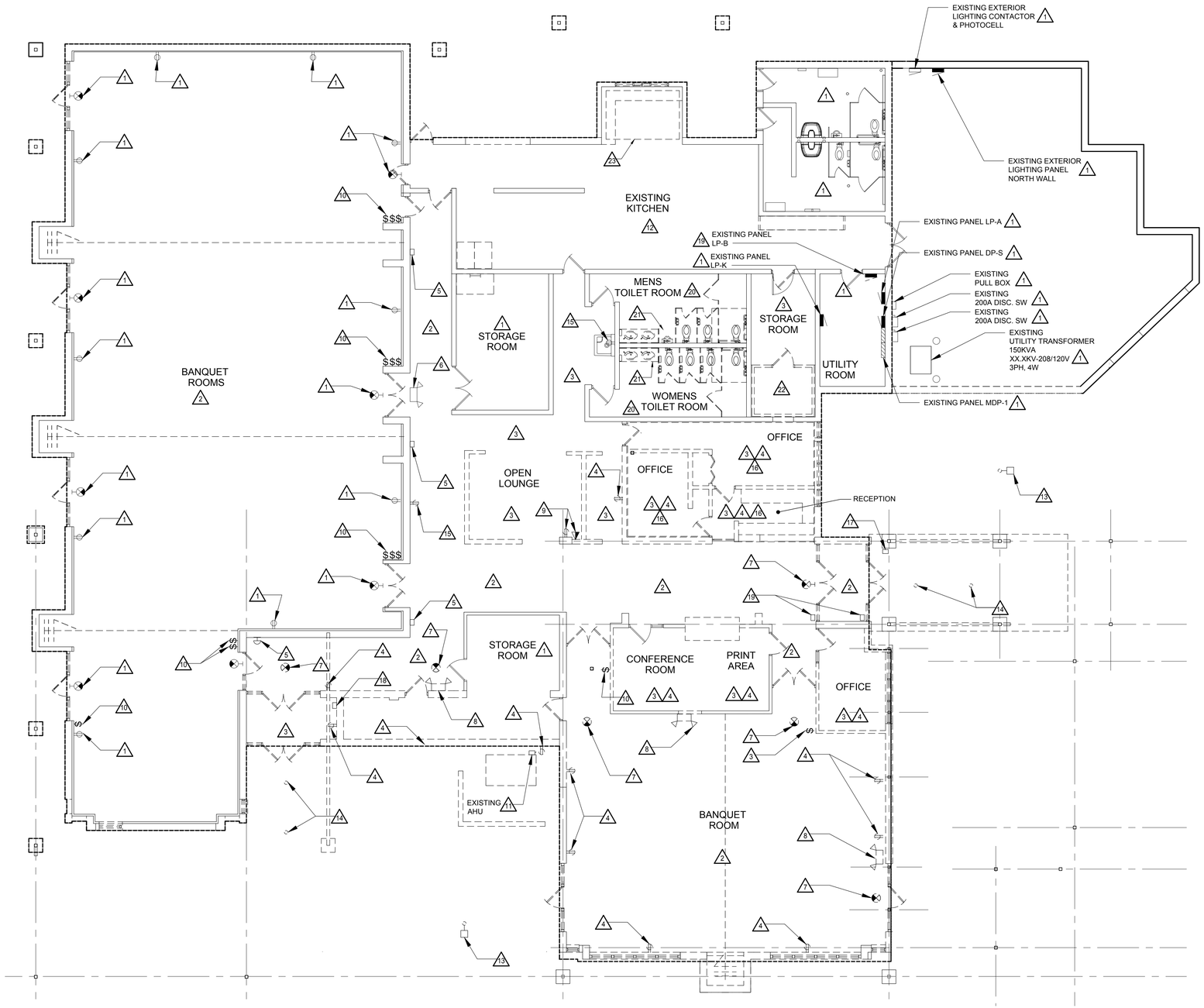

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ELECTRICAL DEMOLITION FLOOR PLAN

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

GENERAL NOTES

A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR GENERAL SCOPE OF DEMOLITION WORK REQUIRED UNDER THIS CONTRACT AND COORDINATE WITH ELECTRICAL DEMOLITION WORK.

C. EXTREME CARE SHALL BE TAKEN NOT TO DISRUPT ANY ELECTRICAL SERVICES THAT EXTEND BEYOND THE BOUNDARIES OF THE RENOVATION AREA AND ARE TO REMAIN DURING DEMOLITION. POWER TO EQUIPMENT OUTSIDE THE AREA OF RENOVATION SHALL NOT BE TURNED OFF WITHOUT PROPER PERMISSION FROM OWNER'S REPRESENTATIVE. ANY CIRCUITS AFFECTED BY THIS RENOVATION, WHICH ARE SCHEDULED TO REMAIN SHALL BE PROPERLY REWIRED TO MAINTAIN SERVICE AND COMPLIANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES.

DEMOLITION NOTES

1. EXISTING ELECTRICAL EQUIPMENT TO REMAIN UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE. NEW LIGHTING FIXTURES TO BE INSTALLED UNDER THIS CONTRACT.
3. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND LIGHTING CONTROL DEVICES, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE. NEW LIGHTING CONTROL DEVICES AND NEW LIGHTING FIXTURES TO BE INSTALLED UNDER THIS CONTRACT.
4. DISCONNECT AND REMOVE EXISTING RECEPTACLE(S), INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE.
5. DISCONNECT AND REMOVE EXISTING WALL MOUNTED LIGHTING SCONCE, INCLUDING ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOUCE AND MARK BREAKER AS SPARE.
6. EXISTING EMERGENCY LIGHTING FIXTURE TO REMAIN.
7. DISCONNECT AND REMOVE EXISTING EXIT LIGHTING FIXTURE, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE.
8. DISCONNECT AND REMOVE EXISTING EMERGENCY LIGHTING FIXTURE, INCLUDING ALL ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE.
9. DISCONNECT AND REMOVE EXISTING RECEPTACLE AND DATA OUTLETS FOR EXISTING TELEVISION, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE. TELEVISION LOCATION TO BE RELOCATED UNDER THIS CONTRACT.
10. DISCONNECT AND REMOVE EXISTING LIGHTING CONTROL DEVICE AND SAVE WIRING FOR REUSE WITHIN JUNCTION BOX. A NEW LIGHTING CONTROL DEVICE SHALL BE INSTALLED UNDER THIS CONTRACT.
11. DISCONNECT AND REMOVE EXISTING DISCONNECT SWITCH FOR AIR CONDITIONING UNIT, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE AND MARK BREAKER AS SPARE.
12. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURE LENS AND REPLACE IN KIND. RELAMP EXISTING LIGHTING FIXTURES IN SPACE WITH SAME COLOR TEMPERATURE BULBS.
13. DISCONNECT AND REMOVE EXISTING SITE LIGHTING POLE FIXTURE, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
14. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, INCLUDING CONDUIT AND WIRING BACK TO SOURCE AND MARK BREAKER AS SPARE.
15. FURNISH AND INSTALL UL LISTED EXTENSION RING FOR OUTLET BOX SO THAT OUTLET IS FLUSH WITH FINISHED WALL SURFACE. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
16. DISCONNECT AND REMOVE EXISTING DATA OUTLETS, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE.
17. DISCONNECT AND REMOVE EXISTING POWER CONNECTION TO AUTOMATIC DOOR, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE.
18. DISCONNECT AND REMOVE ANY ASSOCIATED CONDUIT AND WIRING REMAINING FROM ABANDONED PAY TELEPHONE BACK TO SOURCE.
19. DISCONNECT EXISTING FEEDER AND BRANCH WIRING FROM EXISTING DISTRIBUTION PANEL AND SAVE FEEDER AND BRANCH WIRING FOR REUSE. CONTRACTOR SHALL FURNISH AND INSTALL A NEW DISTRIBUTION PANEL UNDER THIS CONTRACT. RECONNECT EXISTING SERVICE AND BRANCH WIRING SAVED FOR REUSE.
20. DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED LIGHTING FIXTURES, INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE. NEW LIGHTING FIXTURES TO BE INSTALLED UNDER THIS CONTRACT.
21. DISCONNECT AND REMOVE EXISTING SOFFIT LIGHT FIXTURE, INCLUDING ALL ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE. LIGHT FIXTURE TO BE REPLACED UNDER THIS CONTRACT. REFER TO DRAWING EL-200 FOR ADDITIONAL INFORMATION.
22. DISCONNECT AND REMOVE EXISTING ELECTRICAL EQUIPMENT ASSOCIATED WITH EXISTING WALK-IN COOLER, INCLUDING ALL ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE. EXISTING WALK-IN COOLER TO BE RELOCATED UNDER THIS CONTRACT. REFER TO DRAWING EP-200 FOR ADDITIONAL INFORMATION.
23. DISCONNECT AND REMOVE EXISTING ELECTRICAL EQUIPMENT IN THIS SPACE, INCLUDING ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. EXISTING WALK-IN FREEZER TO BE RELOCATED TO THIS LOCATION UNDER THIS CONTRACT. REFER TO DRAWING EP-200 FOR ADDITIONAL INFORMATION.

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Corporate Headquarters
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ELECTRICAL DEMOLITION FLOOR PLANS

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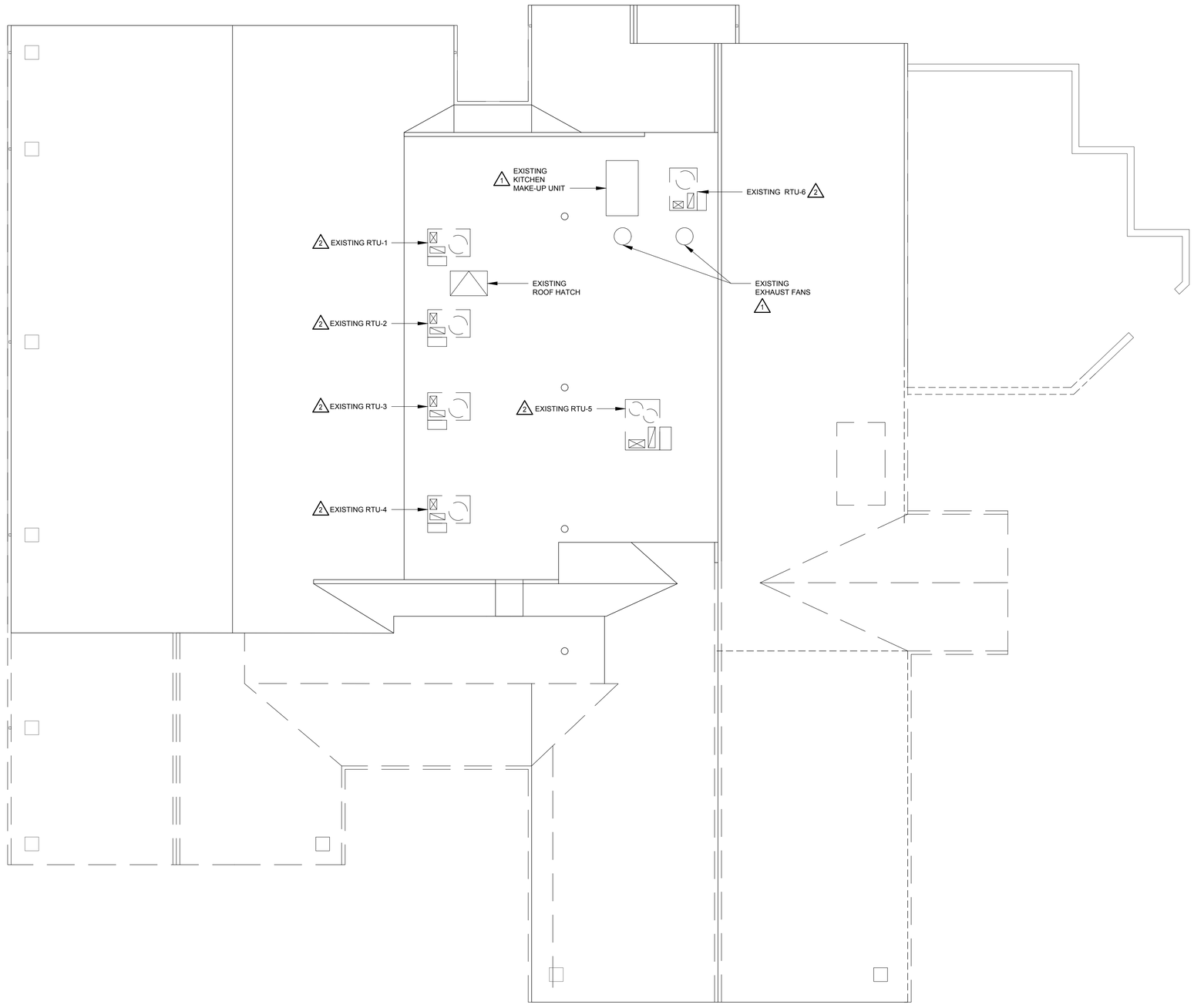

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ELECTRICAL DEMOLITION ROOF PLAN

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

GENERAL NOTES

A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR GENERAL SCOPE OF DEMOLITION WORK REQUIRED UNDER THIS CONTRACT AND COORDINATE WITH ELECTRICAL DEMOLITION WORK.

C. EXTREME CARE SHALL BE TAKEN NOT TO DISRUPT ANY ELECTRICAL SERVICES THAT EXTEND BEYOND THE BOUNDARIES OF THE RENOVATION AREA AND ARE TO REMAIN DURING DEMOLITION. POWER TO EQUIPMENT OUTSIDE THE AREA OF RENOVATION SHALL NOT BE TURNED OFF WITHOUT PROPER PERMISSION FROM OWNER'S REPRESENTATIVE. ANY CIRCUITS AFFECTED BY THIS RENOVATION, WHICH ARE SCHEDULED TO REMAIN SHALL BE PROPERLY REWIRED TO MAINTAIN SERVICE AND COMPLIANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES.

DEMOLITION NOTES

1 EXISTING ELECTRICAL EQUIPMENT TO REMAIN.

1 DISCONNECT AND REMOVE EXISTING ELECTRICAL EQUIPMENT ASSOCIATED WITH EXISTING ROOF TOP UNIT, INCLUDING ALL ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE. EXISTING UNIT TO BE REPLACED UNDER THIS CONTRACT. REFER TO DRAWING EP-201 FOR ADDITIONAL INFORMATION.

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
Lansing • Gaylord • Sault Ste. Marie
Williamsport, PA • Tampa, FL
www.sidockgroup.com

Client:
Brownstown Township

Project:
Brownstown Community Center Rennovation & Addition

21311 Telegraph Rd.
Brownstown, MI

Seal:

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ELECTRICAL DEMOLITION ROOF PLAN

Project Number: 24361.A

Sheet Number: ED-101

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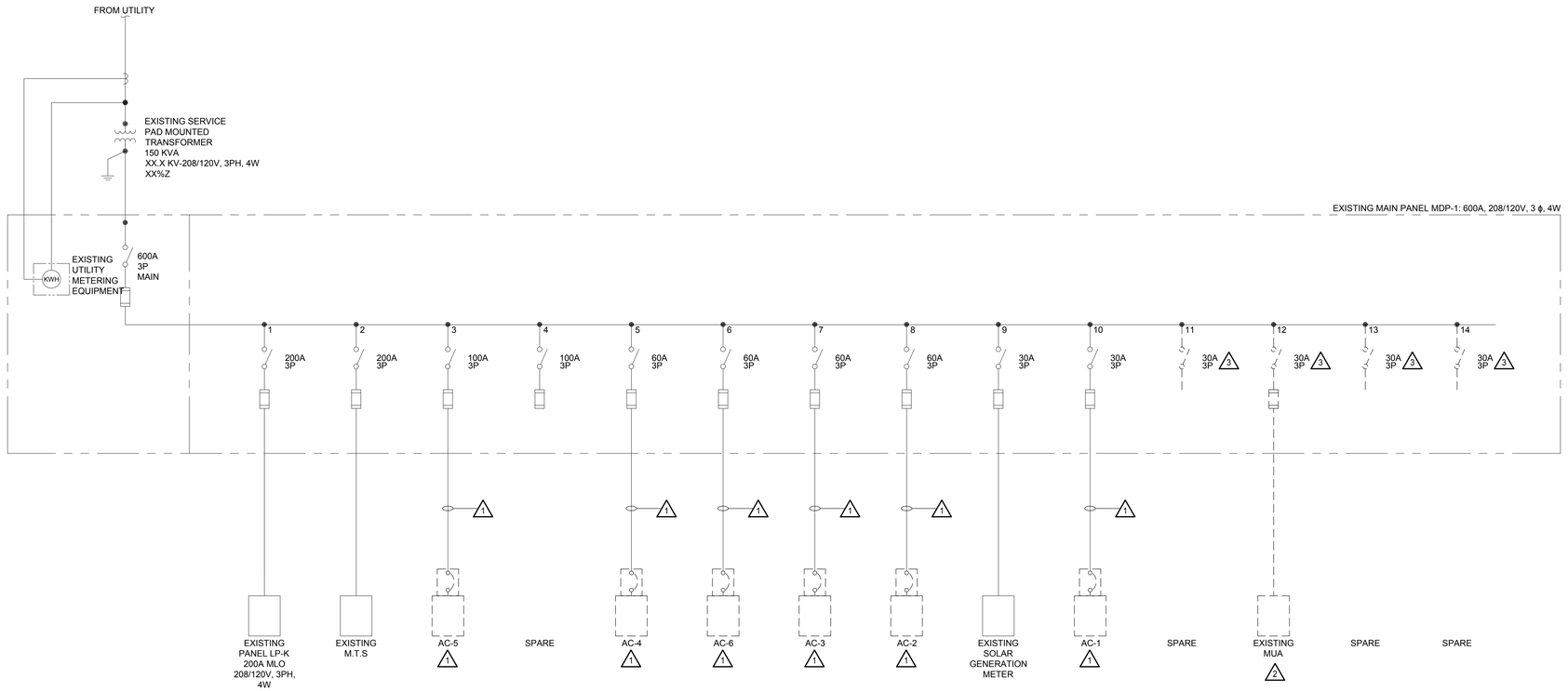

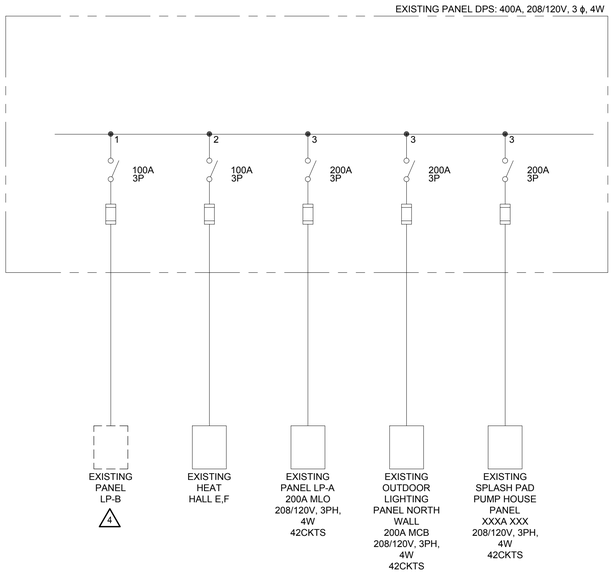

GENERAL NOTES:

A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. REFER TO PANEL SCHEDULE ON ONE LINE DIAGRAM ON DRAWING EP-600 FOR ADDITIONAL INFORMATION.

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING ELECTRICAL EQUIPMENT ASSOCIATED WITH EXISTING ROOF TOP UNIT, INCLUDING ALL ASSOCIATED CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX AND SAVE WIRING FOR REUSE. EXISTING UNIT TO BE REPLACED UNDER THIS CONTRACT. REFER TO DRAWING EP-600 FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY EXISTING WIRING TO REMAIN IS SUITABLE FOR NEW UNIT BEING INSTALLED AND SHALL NOTIFY ENGINEER IF NOT SUFFICIENT.
2. EXISTING LOAD TO BE RELOCATED TO ANOTHER EXISTING FUSED SWITCH IN PANELBOARD TO ACCOMMODATE LOADS TO BE INSTALLED UNDER THIS CONTRACT. REFER TO DRAWING EP-600 FOR ADDITIONAL INFORMATION.
3. FUSED SWITCHES TO BE REPLACED UNDER THIS CONTRACT. REFER TO DRAWING EP-600 FOR ADDITIONAL INFORMATION.
4. EXISTING PANELBOARD TO BE REPLACED UNDER THIS CONTRACT. REFER TO DRAWING EP-600 FOR ADDITIONAL INFORMATION.

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Corporate Headquarters
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Novi, Michigan 48374
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ELECTRICAL DEMOLITION ONE-LINE DIAGRAM

Project Number: 24361.A

Sheet Number: ED-600

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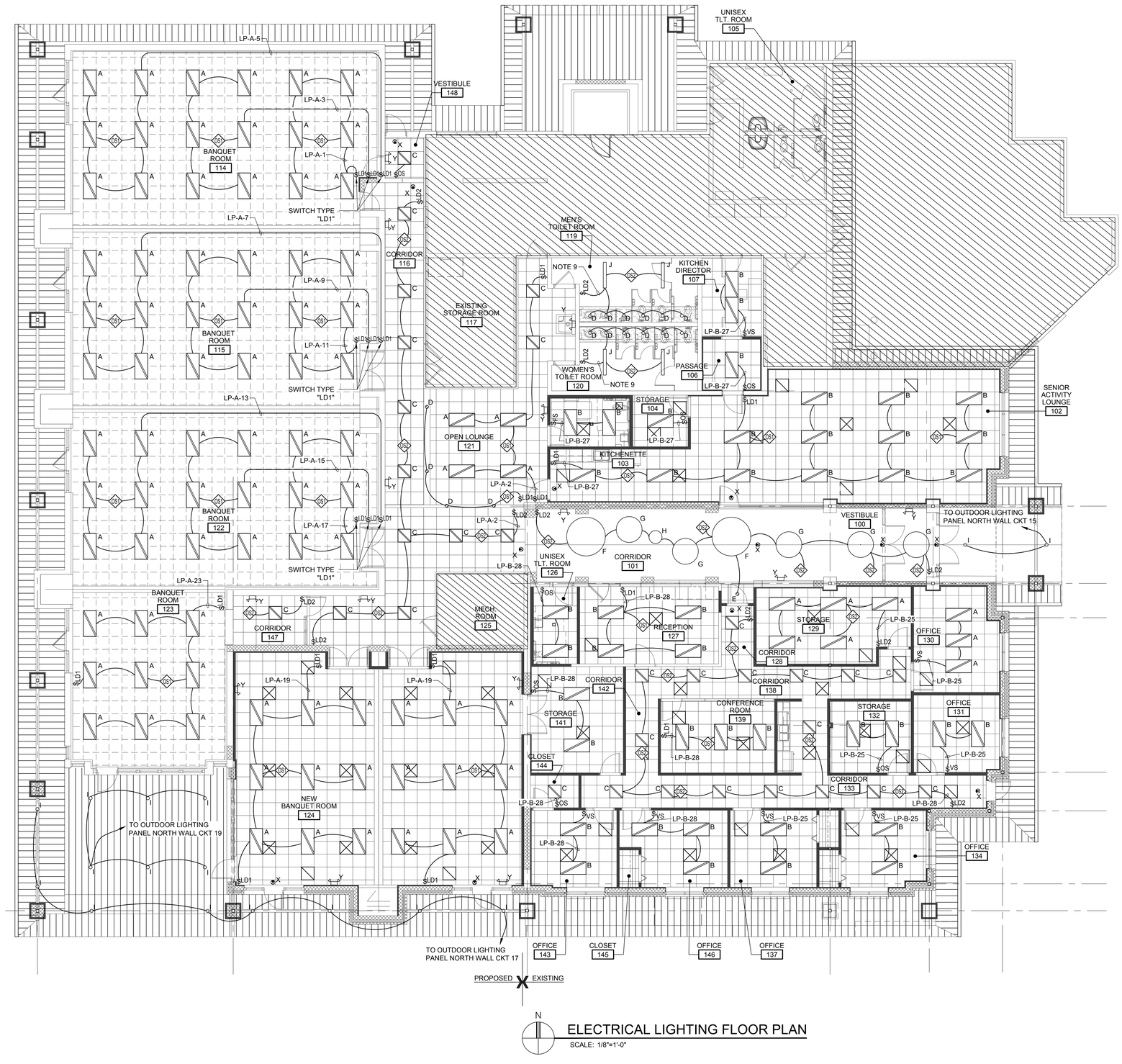

ELECTRICAL LIGHTING FLOOR PLAN

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

GENERAL NOTES

A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE GENERAL ARRANGEMENT OF ELECTRICAL WORK. LOCATIONS ARE APPROXIMATE AND SUBJECT TO MINOR MODIFICATIONS BY THE DESIGNER/OWNER.

C. USE #12 CONDUCTORS FOR 20A CIRCUIT HOME RUNS IF BRANCH CIRCUIT RUN IS LESS THAN 100 FEET FOR 120 VOLT. USE #10 CONDUCTORS IF BRANCH CIRCUIT RUN EXCEEDS 100 FEET FOR 120 VOLT.

D. COORDINATE EXACT LOCATION OF DEVICES WITH OTHER TRADES FOR AVOIDANCE OF ANY OBSTRUCTIONS. VERIFY WALL SWITCHING ON ELECTRICAL LIGHTING PLANS FOR PROPER TYPES OF OPTIONS REQUIRED ON ALL FIXTURES. VERIFY CEILING TYPES ON ARCHITECTURAL REFLECTED CEILING PLANS FOR PROPER INSTALLATIONS OF TRIMS AND FOR EXACT MOUNTING LOCATIONS OF ALL FIXTURES.

E. EMERGENCY & EXIT LIGHTING FIXTURES TO BE INSTALLED UNDER THIS CONTRACT SHALL BE FED FROM THE SAME CIRCUIT AS NORMAL LIGHTING IN SPACE AND SHALL BE CONNECTED AHEAD OF THE SWITCH.

F. LIGHTING CONTROL SYSTEM MANUFACTURER IS BASIS OF DESIGN. ALTERNATE MANUFACTURER AND EQUIPMENT LISTED THAT MEETS THE SALIENT CHARACTERISTICS OF THE LIGHTING CONTROL SYSTEM AND ELECTRICAL SPECIFICATIONS IS ACCEPTABLE. THE ARCHITECT-ENGINEER RESERVES THE RIGHTS FOR THE MANUFACTURER OR MANUFACTURER'S REPRESENTATIVE TO PROVIDE PROOF THAT SELECTED EQUIPMENT MEETS ALL FUNCTIONS, PLANS, AND SPECIFICATIONS ARE MET OR EXCEEDED. ALL "OR EQUALS" SUBJECT TO APPROVAL BY ARCHITECT-ENGINEER.

G. LETTER NEXT TO FIXTURES INDICATE FIXTURE TYPE. REFER TO FIXTURE SCHEDULE ON DRAWING EL-600 FOR ADDITIONAL INFORMATION.

H. REFER TO PANEL SCHEDULES ON DRAWING EP-601 FOR ADDITIONAL INFORMATION.

I. HATCHING INDICATES AREAS OF EXISTING DEVICES, EQUIPMENT, AND FEEDERS TO REMAIN UNLESS NOTED OTHERWISE. AREAS FEATURING NO SHADING INDICATE WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.

NOTES

1. FURNISH AND INSTALL WALL MOUNTED DIMMING VACANCY SENSOR, SENSOR SWITCH MODEL WSX PDT D VA WH OR EQUIVALENT.
2. FURNISH AND INSTALL WALL MOUNTED OCCUPANCY SENSOR, SENSOR SWITCH MODEL WSX PDT WH OR EQUIVALENT.
3. FURNISH AND INSTALL WALL MOUNTED ON/OFF SWITCH WITH DIMMING, NLIGHT MODEL NPODM DX WH OR EQUIVALENT.
4. FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR WITH DAYLIGHTING CONTROL, NLIGHT MODEL NCM PDT 10 ADCX AR RJB OR EQUIVALENT.
5. FURNISH AND INSTALL WALL MOUNTED ON/OFF SWITCH, NPODM WH OR EQUIVALENT.
6. FURNISH AND INSTALL CEILING MOUNTED OCCUPANCY SENSOR, SENSOR SWITCH MODEL CM PDT 10 OR EQUIVALENT.
7. REFER TO WIRING DIAGRAM ON DRAWING EL-600 FOR ADDITIONAL INFORMATION.
8. FURNISH AND INSTALL WALL MOUNTED OCCUPANCY SENSOR WITH FAN CONTROL, SENSOR SWITCH MODEL WSRA 2P FAN WH OR EQUIVALENT. REFER TO DRAWING EP-200 FOR ADDITIONAL INFORMATION ON EXHAUST FAN.
9. CIRCUIT NEW LIGHTING FIXTURES TO EXISTING LIGHTING CIRCUIT WIRING SAVED FOR REUSE DURING DEMOLITION. REFER TO DRAWING ED-100 FOR ADDITIONAL INFORMATION.

SYMBOLS

$$_{VS}$ WALL MOUNTED OCCUPANCY SENSOR - REFER TO NOTE 1

$$_{OS}$ WALL MOUNTED VACANCY SENSOR - REFER TO NOTE 2

$$_{LD1}$ WALL MOUNTED ON/OFF SWITCH WITH DIMMING - REFER TO NOTE 3

OS CEILING MOUNTED OCCUPANCY SENSOR - REFER TO NOTE 4

$$_{LD2}$ WALL MOUNTED ON/OFF SWITCH - REFER TO NOTE 5

OS CEILING MOUNTED OCCUPANCY SENSOR - REFER TO NOTE 6

$$_{FS}$ WALL MOUNTED OCCUPANCY SENSOR WITH FAN CONTROL - REFER TO NOTE 8

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Novi, Michigan 48374
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ELECTRICAL LIGHTING FLOOR PLAN

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FIXTURE SCHEDULE

SYMBOL	TYPE	SIZE AND MOUNTING	VOLTAGE, (INPUT WATTAGE)	LAMPS AND LUMENS	MANUFACTURER / CATALOG NUMBER	REMARKS
	A	2'X4' (NOMINAL) RECESSED TROFFER	120V (28.5W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 3,267 LUMENS (NOMINAL)	LITHONIA "EPANL" SERIES - EPANL 2X4 3000LM 80CRI 40K MIN1 ZT MVOLT	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS
	B	2'X4' (NOMINAL) RECESSED TROFFER	120V (37.6W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 4,240 LUMENS (NOMINAL)	LITHONIA "EPANL" SERIES - EPANL 2X4 4000LM 80CRI 40K MIN1 ZT MVOLT	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS
	C	2'X2' (NOMINAL) RECESSED TROFFER	120V (31.5W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 3,659 LUMENS (NOMINAL)	LITHONIA "CPX" SERIES - CPX 2X2 3200LM 80CRI 40K SWL MIN10 ZT MVOLT	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS
	D	6" (NOMINAL) WAFER DOWNLIGHT	120V (9.8W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 923 LUMENS (NOMINAL)	LITHONIA "WF6" SERIES - WF6 LL LED 30K40K50K 90 CRI MW	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS
	E	6" (NOMINAL) DOWNLIGHT	120V (17.5W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 1514 LUMENS (NOMINAL)	LITHONIA "LDN6" SERIES - LDN6 40/15 L06 AR LSS MVOLT GZ10	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS
	F	6'-0" DIA. (NOMINAL) PENDANT RING	120V (78W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 6,500 LUMENS (NOMINAL)	DELRAY "UNO" SERIES - UC6 W W40 CS D	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS - MOUNT BOTTOM OF FIXTURE AT 11'-0" AFF.
	G	4'-0" DIA. (NOMINAL) PENDANT RING	120V (52W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 4,333 LUMENS (NOMINAL)	DELRAY "UNO" SERIES - UC4 W W40 CS D	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS - MOUNT BOTTOM OF FIXTURE AT 11'-0" AFF.
	H	2'-0" DIA. (NOMINAL) PENDANT RING	120V (26W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 2,166 LUMENS (NOMINAL)	DELRAY "UNO" SERIES - UC2 W W40 CS D	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS - MOUNT BOTTOM OF FIXTURE AT 11'-0" AFF.
	I	6" (NOMINAL) DOWNLIGHT	120V (22.5W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 2006 LUMENS (NOMINAL)	LITHONIA "LDN6" SERIES - LDN6 40/20 L06 AR LSS MVOLT GZ10	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS
	J	4' (NOMINAL) SUFACE WRAPAROUND	120V (42W)	4000K WHITE LIGHT EMITTING DIODES (LED) - 4,654 LUMENS (NOMINAL)	LITHONIA "FMLWL" SERIES - FMLWL 48 840 MVOLT	REFER TO NOTES FOR ADDITIONAL REQUIREMENTS
	X	EXIT LIGHT - CEILING OR WALL MOUNTED	120V (2.3W PER FACE)	RED LIGHT EMITTING DIODES (LED)	LITHONIA "LRP" SERIES - LRP 1 RC 120/277 EL N	REFER TO NOTES FOR ADDITIONAL INFORMATION - FIXTURE SHALL MEET NFPA LIFE SAFETY CODE 101 AND BE LISTED UNDER UL924
	Y	SURFACE MOUNTED EMERGENCY FIXTURE	120V (10.6W)	2 LED FLOOD LAMPS	LITHONIA "ELM6L" SERIES - ELM6L UVOLT LTP SDRT HO	REFER TO NOTES FOR ADDITIONAL INFORMATION - FIXTURE SHALL MEET NFPA LIFE SAFETY CODE 101 AND BE LISTED UNDER UL924 MOUNT BOTTOM OF FIXTURE 7'-6" A.F.F.

LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATION

LIGHTING CONTROL SYSTEM HAS BEEN DESIGNED TO MEET SPECIFIC OPERATIONAL REQUIREMENTS AND FUNCTIONALITY AS FOLLOWS:

1. BANQUET ROOM 114, BANQUET ROOM 115, BANQUET ROOM 122, BANQUET ROOM 123, BANQUET ROOM 124, RECEPTION 127, CONFERENCE ROOM 139, OPEN LOUNGE 121, KITCHENETTE 103
   - A. CONTROLLED BY: LOCAL CEILING MOUNTED OCCUPANCY SENSOR(S) WITH LOCAL WALL MOUNTED ON/OFF DIMMER SWITCHES AT MAIN ACCESS DOOR(S) OR ENTRANCE FOR MANUAL OVERRIDE OF AUTOMATIC CONTROL.
   - B. CIRCUIT CAPABILITY: SINGLE
   - C. TIME DELAY OFF: SET FOR 10-MINUTE.
   - D. SYSTEM BRANCH: NORMAL
   - E. SWITCHING MODE: MANUAL ON; AUTOMATIC OR MANUAL OFF.
2. CORRIDOR 147, CORRIDOR 101, CORRIDOR 116, CORRIDOR 133, CORRIDOR 128, CORRIDOR 142, STORAGE 129, VESTIBULE 100
   - B. CONTROLLED BY: LOCAL CEILING MOUNTED OCCUPANCY SENSOR(S) WITH LOCAL WALL MOUNTED ON/OFF SWITCHES AT MAIN ACCESS DOOR(S) OR ENTRANCE FOR MANUAL OVERRIDE OF AUTOMATIC CONTROL.
   - C. CIRCUIT CAPABILITY: SINGLE
   - D. TIME DELAY OFF: SET FOR 10-MINUTE.
   - E. SYSTEM BRANCH: NORMAL
   - F. SWITCHING MODE: AUTOMATIC ON; AUTOMATIC OR MANUAL OFF.
3. OFFICE 143, OFFICE 146, OFFICE 137, OFFICE 134, OFFICE 131, OFFICE 130, KITCHEN DIRECTOR 107
   - A. CONTROLLED BY: LOCAL WALL MOUNTED VANCANCY ON/OFF DIMMER SWITCH AT MAIN ACCESS DOOR(S) OR ENTRANCE FOR MANUAL OVERRIDE OF AUTOMATIC CONTROL.
   - B. CIRCUIT CAPABILITY: SINGLE
   - C. TIME DELAY OFF: SET FOR 10-MINUTE.
   - D. SYSTEM BRANCH: NORMAL
   - E. SWITCHING MODE: MANUAL ON; AUTOMATIC OR MANUAL OFF.
4. UNISEX TLT RM 126, STORAGE 141, CLOSET 144, STORAGE 132, VESTIBULE 149, PASSAGE 106, STORAGE 104, WOMEN'S TOILET 120
   - A. CONTROLLED BY: LOCAL WALL MOUNTED ON/OFF SWITCH AT MAIN ACCESS DOOR(S) OR ENTANCE FOR MANUAL OVERRIDE OF AUTOMATIC CONTROL.
   - B. CIRCUIT CAPABILITY: SINGLE.
   - C. TIME DELAY OFF: SET FOR 10-MINUTE.
   - D. SYSTEM BRANCH: NORMAL
   - E. SWITCHING MODE: AUTOMATIC ON; AUTOMATIC OR MANUAL OFF.

GENERAL NOTES:

A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. LIGHT FIXTURE MANUFACTURER AND MODEL/SERIES NUMBERS LISTED IN SCHEDULE ARE BASIS OF DESIGN. ALTERNATE MANUFACTURER AND EQUIPMENT THAT MEETS THE SALIENT CHARACTERISTICS OF THE LIGHTING FIXTURES LISTED ARE ACCEPTABLE. THE ARCHITECT-ENGINEER RESERVES THE RIGHTS FOR THE MANUFACTURER OR MANUFACTURER'S REPRESENTATIVE TO PROVIDE PROOF THAT SELECTED EQUIPMENT MEETS ALL FUNCTIONS, PLANS, AND SPECIFICATIONS ARE MET OR EXCEEDED. ALL "OR EQUALS" SUBJECT TO APPROVAL BY ARCHITECT-ENGINEER.

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
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ELECTRICAL LIGHTING FIXTURE SCHEDULE & SEQUENCE OF OPERATION

Project Number: 24361.A

Sheet Number: EL-600

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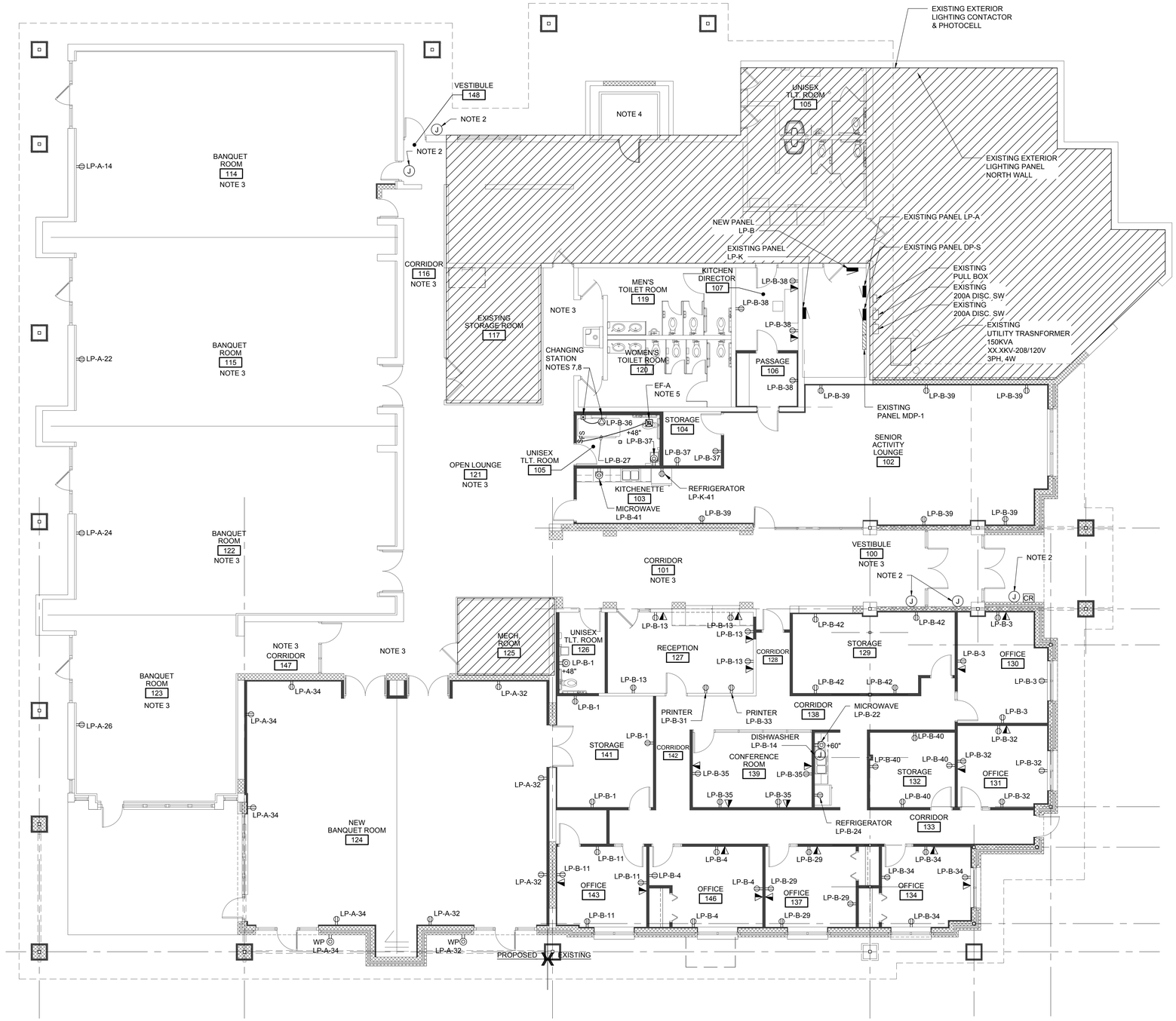

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ELECTRICAL POWER & AUXILIARY SYSTEMS FLOOR PLAN

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

GENERAL NOTES

A. REFER TO ELECTRICAL SPECIFICATIONS E-000 FOR ADDITIONAL INFORMATION.

B. DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE GENERAL ARRANGEMENT OF ELECTRICAL WORK. LOCATIONS ARE APPROXIMATE AND SUBJECT TO MINOR MODIFICATIONS BY THE DESIGNER/OWNER.

C. USE #12 CONDUCTORS FOR 20A CIRCUIT HOME RUNS IF BRANCH CIRCUIT RUN IS LESS THAN 100 FEET FOR 120 VOLT. USE #10 CONDUCTORS IF BRANCH CIRCUIT RUN EXCEEDS 100 FEET FOR 120 VOLT.

D. ALL POWER WIRING FOR MECHANICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL AND INTERLOCKING WIRING.

E. REFER TO ONE LINE DIAGRAM ON DRAWING EP-600 FOR ADDITIONAL INFORMATION.

F. REFER TO PANEL SCHEDULES ON DRAWING EP-601 FOR ADDITIONAL INFORMATION.

G. HATCHING INDICATES AREAS OF EXISTING DEVICES, EQUIPMENT, AND FEEDERS TO REMAIN UNLESS NOTED OTHERWISE. AREAS FEATURING NO SHADING INDICATE WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.

NOTES

1. TYPICAL VOICE/DATA OUTLETS SHALL BE 4"X4"X2 3/4" BOX WITH SINGLE GANG MUD RING AND 1" CONDUIT WITH PULLSTRING TO OPEN SPACE ABOVE NEAREST CEILING (NORMALLY IN THE SAME ROOM). VOICE/DATA CABLING AND TERMINATIONS SHALL BE FURNISHED AND INSTALLED BY IT CONTRACTOR. BOX SHALL BE MOUNTED AT 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
2. FURNISH AND INSTALL APPROPRIATE OUTLET BOX AND 1" CONDUIT WITH PULL STRING TO OPEN SPACE ABOVE CEILING (NORMALLY IN SAME ROOM) FOR ACCESS CONTROL (PUSH BUTTON). COORDINATE REQUIREMENTS AND LOCATION FOR OUTLET BOX WITH OWNERS SECURITY CONTRACTOR. DEVICES, CABLING, AND TERMINATIONS SHALL BE INSTALLED BY THE SECURITY CONTRACTOR.
3. EXISTING RECEPTACLES ON WALLS IN SPACE THAT WERE EXISTING TO REMAIN DURING DEMOLITION, REFER TO DEMOLITION DRAWING ED-100 FOR ADDITIONAL INFORMATION, ARE NOT SHOWN ON THIS PLAN FOR CLARITY. ONLY NEW CIRCUITS TO BE INSTALLED UNDER THIS CONTRACT HAVE BEEN INDICATED IN THESE SPACES.
4. EXISTING WALK-IN COOLER TO BE RELOCATED TO LOCATION SHOWN ON FLOOR PLAN. ELECTRICAL CONTRACTOR SHALL RELOCATED ALL ASSOCIATED EQUIPMENT FOR WALK-IN COOLER AND SHALL RECONNECT EXISTING WIRING SAVED FOR REUSE DURING DEMOLITION. CONTRACTOR SHALL FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO EXTEND EXISTING CIRCUIT FOR WALK-IN COOLER TO NEW LOCATION AND MAKE FINAL TERMINATIONS.
5. EXHAUST FAN SUPPLIED WITH PLUG TYPE DISCONNECT AND SHALL BE FED FROM COMBINATION LIGHT SWITCH WITH FAN CONTROL. REFER TO DRAWING EL-200 FOR ADDITIONAL INFORMATION.
6. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL APPROPRIATE OUTLET BOX AND 1" CONDUIT WITH PULLSTRING TO OPEN SPACE ABOVE CEILING (NORMALLY IN SAME ROOM OR WITHIN BUILDING FOR EXTERIOR APPLICATIONS) FOR DOOR ACCESS CONTROL (CARD READER). COORDINATE REQUIREMENTS AND LOCATION FOR OUTLET BOX WITH OWNERS SECURITY CONTRACTOR. DEVICES, CABLING, AND TERMINATIONS TO BE INSTALL BY SECURITY CONTRACTOR.
7. FURNISH AND INSTALL A WATERPROOF FLEX OUTLET, MK ELECTRONICS MODEL K56410GRY OR BRITISH GENERAL WPB50.
8. EMERGENCY STOP PROVIDED WITH UNIT.

SYMBOLS

- 20A DUPLEX RECEPTACLE
- 20A GFCI DUPLEX RECEPTACLE
- 20A GFCI DUPLEX RECEPTACLE - ABOVE COUNTER
- WP 20A GFCI DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE
- VOICE/DATA OUTLET - REFER TO NOTE 1
- CR CARD READER - REFER TO NOTE 6
- WATERPROOF FLEX OUTLET - REFER TO NOTE 7

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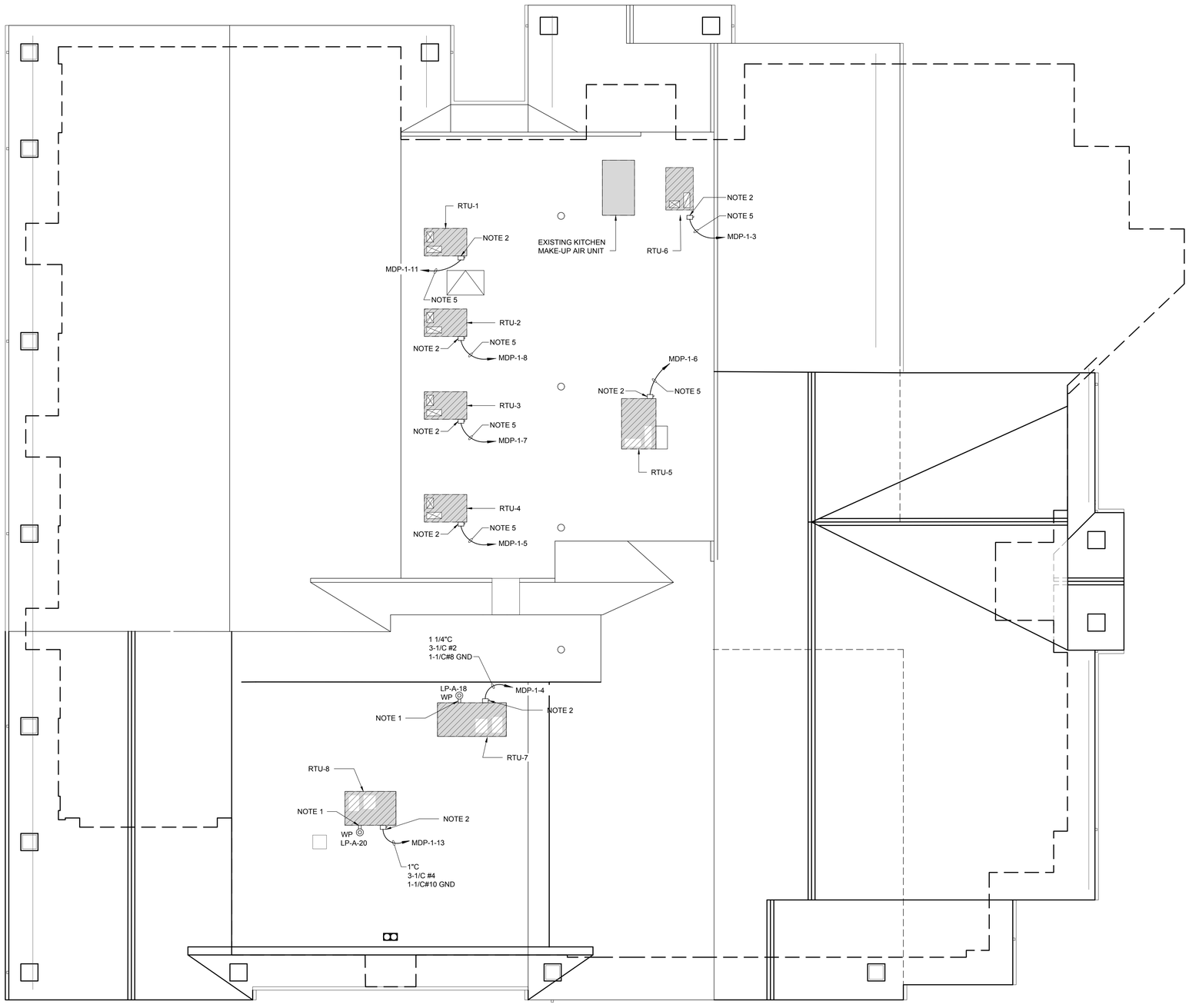

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ELECTRICAL POWER ROOF PLAN

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

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A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. DRAWINGS ARE DIAGRAMMATIC ONLY AND INDICATE GENERAL ARRANGEMENT OF ELECTRICAL WORK. LOCATIONS ARE APPROXIMATE AND SUBJECT TO MINOR MODIFICATIONS BY THE DESIGNER/OWNER.

C. USE #12 CONDUCTORS FOR 20A CIRCUIT HOME RUNS IF BRANCH CIRCUIT RUN IS LESS THAN 100 FEET FOR 120 VOLT. USE #10 CONDUCTORS IF BRANCH CIRCUIT RUN EXCEEDS 100 FEET FOR 120 VOLT.

D. ALL POWER WIRING FOR MECHANICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL AND INTERLOCKING WIRING.

E. REFER TO ONE LINE DIAGRAM ON DRAWING EP-600 FOR ADDITIONAL INFORMATION.

F. REFER TO PANEL SCHEDULES ON DRAWING EP-601 FOR ADDITIONAL INFORMATION.

NOTES

1. 115VAC CONVENIENCE OUTLET SUPPLIED WITH ROOF MOUNTED EQUIPMENT.
2. NEMA 3R DISCONNECT SWITCH SUPPLIED WITH ROOF MOUNTED EQUIPMENT..
3. FURNISH AND INSTALL A 30A NEMA 3R NON-FUSIBLE DISCONNECT SWITCH, SQUARE D MODEL #HU361AWK OR EQUIVALENT.
4. FURNISH AND INSTALL A NEW 20A WEATHERPROOF GFCI DUPLEX RECEPTACLE MOUNTED ON UNISTRUT NEAR RTU-B.
5. ELECTRICAL CONTRACTOR SHALL RECONNECT EXISTING WIRING SAVED FOR REUSE DURING DEMOLITION TO NEW UNIT AND MAKE FINAL TERMINATIONS. REFER TO DEMOLITION DRAWING ED-101 FOR ADDITIONAL INFORMATION.

SYMBOLS

20A GFCI WEATHERPROOF RECEPTACLE

DISCONNECT SWITCH

Sidock Group
ARCHITECTS • ENGINEERS • CONSULTANTS

Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
Ph: (248)349-4500 • Fax: (248)349-1429

Novi • Wyandotte • Muskegon
Lansing • Gaylord • Sault Ste. Marie
Williamsport, PA • Tampa, FL
www.sidockgroup.com

Client:
Brownstown Township

Project:
Brownstown Community Center Rennovation & Addition

21311 Telegraph Rd.
Brownstown, MI

Seal:

NOT FOR CONSTRUCTION

Date	Issued For
11/05/2024	PROGRESS SET
12/20/2024	100% CD

Drawn: CAS
Checked: LMR
Approved: JRO

Sheet Title:
ELECTRICAL POWER ROOF PLAN

Project Number: 24361.A

Sheet Number: EP-201

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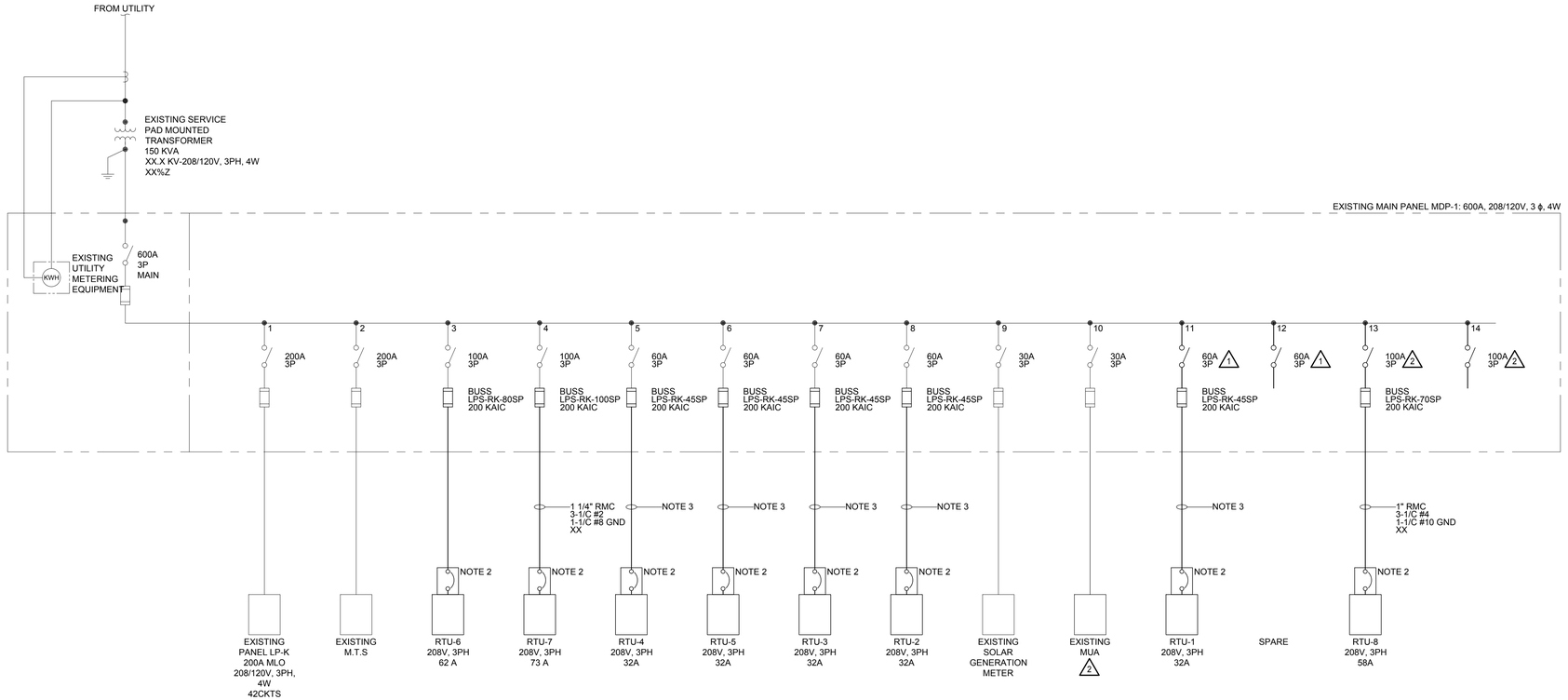

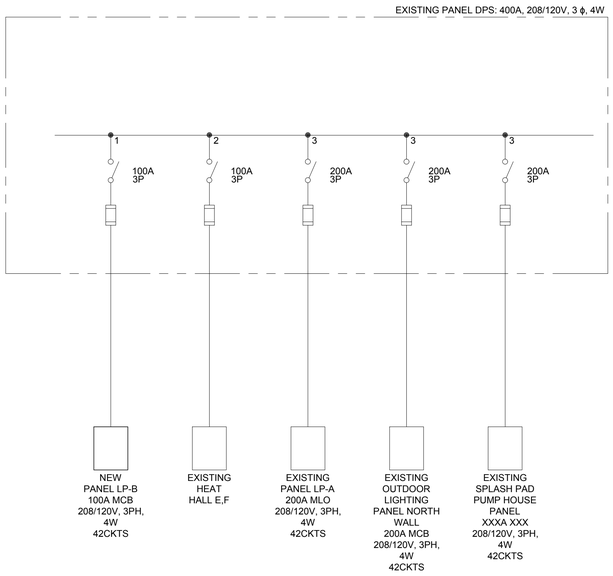

GENERAL NOTES:

A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. REFER TO PANEL SCHEDULE ON DRAWING EP-601 FOR ADDITIONAL INFORMATION.

DEMOLITION NOTES

1. DISCONNECT AND REMOVE (2) EXISTING 30A FUSED DISCONNECT SWITCH FROM PANEL MDP-1 AND REPLACE WITH (2) NEW 60A FUSED DISCONNECT SWITCHES, SIEMENS MODEL V7B3222R .
2. DISCONNECT AND REMOVE (2) EXISTING 30A FUSED DISCONNECT SWITCH FROM PANEL MDP-1 AND REPLACE WITH (2) NEW 100A FUSED DISCONNECT SWITCHES, SIEMENS MODEL V7E3233R. CONTRACTOR WILL NEED TO REMOVE SPACER PANEL TO ACCOMMODATE INSTALLATION OF NEW BREAKERS.
3. CONTRACTOR SHALL RELOCATE EXISTING LOAD TO EXISTING SPARE FUSED SWITCH IN PANELBOARD TO ACCOMODATE NEW SWITCHES TO BE INSTALLED UNDER THIS CONTRACT.

NOTES:

1. FURNISH AND INSTALL A 100A MCB, 208V/120V, 3 PH, 4W PANELBOARD, SQUARE D INTERIOR NQ442L2C WITH BOX (NEMA 1) CAT #MH50 AND NC50S FRONT; PK27GTACU EQUIPMENT GROUND BAR AND NQN2CU NEUTRAL BAR OR EQUIVALENT BY EATON.
2. NEMA 3R DISCONNECT SWITCH SUPPLIED WITH ROOF MOUNTED EQUIPMENT.
3. ELECTRICAL CONTRACTOR SHALL RECONNECT EXISTING WIRING SAVED FOR REUSE DURING DEMOLITION TO NEW UNIT AND MAKE FINAL TERMINATIONS. REFER TO DEMOLITION DRAWING ED-101 FOR ADDITIONAL INFORMATION.

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Corporate Headquarters
45650 Grand River Ave.
Novi, Michigan 48374
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12/20/2024	100% CD

Drawn: CAS
Checked: LMR
Approved: JRO

Sheet Title:
ELECTRICAL ONE-LINE DIAGRAM

Project Number: 24361.A

Sheet Number: EP-600

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PANEL DESIGNATION: EXISTING PANEL LP-A
PANEL LOCATION: REFER TO PLAN DRAWING
FED FROM: REFER TO ONE-LINE DIAGRAM
FEEDER SIZE: REFER TO ONE-LINE DIAGRAM

MAIN: MLO
BUSSING: 225A
GROUND BUS: STANDARD
MOUNTING: SURFACE
NEUTRAL: 100%

P-P VOLTAGE: 208
P-N VOLTAGE: 120
PHASE: 3
WIRE: 4

	Remarks	LIGHT LOAD	RECEPT LOAD	CONT LOAD	nonC LOAD	INTER. USE	OC PROT	CCT	Ø A	Ø B	Ø C	CCT	OC PROT	INTER. USE	nonC LOAD	CONT LOAD	RECEPT LOAD	LIGHT LOAD	Remarks	
*	LIGHTS BANQUET ROOM (RM 114)	171					20A	1	X			2	20A					673	LIGHTING (RM 116,121,147)	*
*	LIGHTS BANQUET ROOM (RM 114)	171					20A	3		X		4	20A						EXISTING LIGHTS	
*	LIGHTS BANQUET ROOM (RM 114)	171					20A	5			X	6	20A						EXISTING EMERGENCY LIGHTS	
*	LIGHTS BANQUET ROOM (RM 115)	171					20A	7	X			8	20A						EXISTING LIGHTS ELEC. & STORAGE ROOM	
*	LIGHTS BANQUET ROOM (RM 115)	171					20A	9		X		10	20A						EXISTING EML LIGHT	
*	LIGHTS BANQUET ROOM (RM 115)	171					20A	11			X	12	20A						EXISTING BATHROOM GFI & FOUNTAIN	
*	LIGHTS BANQUET ROOM (RM 122)	171					20A	13	X			14	20A				180		DEDICATED RECEPTACLE (114)	*
*	LIGHTS BANQUET ROOM (RM 122)	171					20A	15		X		16	20A					499	LIGHTING (RM 100, 101)	*
*	LIGHTS BANQUET ROOM (RM 122)	171					20A	17			X	18	20A				180		RECEPTACLE (R1U-R)	*
*	LIGHTING BANQUET ROOM (RM 124)	727					20A	19	X			20	20A				180		RECEPTACLE (R1U-A)	*
	EXISTING EMERGENCY LTS MEETING ROOM D						20A	21		X		22	20A				180		DEDICATED RECEPTACLE (115)	*
*	LIGHTS BANQUET ROOM (RM XXX)	257					20A	23			X	24	20A				180		DEDICATED RECEPTACLE (122)	*
	EXISTING KITCHEN LIGHTS						20A	25	X			26	20A				180		DEDICATED RECEPTACLE (123)	*
	EXISTING KITCHEN LIGHTS						20A	27		X		28	20A						EXISTING NIGHT LIGHTS	
	EXISTING BATHROOM LIGHTS						20A	29			X	30	20A						EXISTING LIGHT PUBLIC RESTROOMS	
	EXISTING WALK LIGHTS (NORTH)						20A	31	X			32	20A				900		RECEPT (RM 107)	*
	EXISTING TIME CLOCK						20A	33		X		34	25A				900		RECEPT (RM 124, EXT)	*
	EXISTING WALK LIGHTS						20A	35			X	36	20A						EXISTING CANOPY LIGHTS (WEST)	
	EXISTING COMPUTER						20A	37	X			38	20A						EXISTING CANOPY LIGHTS (SOUTH)	
	EXISTING COMPUTER						20A	39		X		40	20A						EXISTING CANOPY LIGHTS (EAST)	
	EXISTING COMPUTER						20A	41			X	42	20A						EXISTING CANOPY LIGHTS (WEST)	

	CONNECTED LOAD				DEMAND FACTOR	DEMAND LOAD				
LOAD DESCRIPTION	ØA	ØB	ØC	TOTAL		ØA	ØB	ØC	TOTAL	
LIGHTING LOAD (VOLT-AMPS)	1913	1012	770	3695	1.00	1913	1012	770	3695	
180VA RECEPTACLE LOAD (VOLT-AMPS)	1440	1080	360	2880	1.00 (FIRST 10kVA)	1440	1080	360	2880	RECEPTACLE DEMAND FACTOR PER ARTICLE
	AMOUNT OVER 10kVA			0	0.50 (> 10kVA)	0	0	0	0	220.44 OF THE NATIONAL ELECTRICAL CODE.
CONTINUOUS LOAD (VOLT-AMPS)	0	0	0	0	1.00	0	0	0	0	
NON-CONTINUOUS LOAD (VOLT-AMPS)	0	0	0	0	0.65	0	0	0	0	
INTERMITTENT USE LOAD (VOLT-AMPS)	0	0	0	0	0.25	0	0	0	0	
TOTAL LOAD (kVA)	3.35	2.09	1.13	6.58	125% OF LIGHT, CONT AND RECEPT	3.35	2.09	1.13	6.58	"EXISTING PANEL LP-A"
TOTAL AMPACITY (AMPS)	27.9	17.4	9.4	18.3	(<=10kVA) LOAD PLUS OTHER LOAD	27.9	17.4	9.4	18.3	
MINIMUM FEEDER SIZING (AMPS)	34.9	21.8	11.8	22.8	<---- PER NEC ARTICLE 215.2 ---->	34.9	21.8	11.8	22.8	

PANEL DESIGNATION: EXISTING PANEL LP-K
PANEL LOCATION: REFER TO PLAN DRAWING
FED FROM: REFER TO ONE-LINE DIAGRAM
FEEDER SIZE: REFER TO ONE-LINE DIAGRAM

MAIN: MLO
BUSSING: 225A
GROUND BUS: STANDARD
MOUNTING: SURFACE
NEUTRAL: 100%

P-P VOLTAGE: 208
P-N VOLTAGE: 120
PHASE: 3
WIRE: 4

	Remarks	LIGHT LOAD	RECEPT LOAD	CONT LOAD	nonC LOAD	INTER. USE	OC PROT	CCT	Ø A	Ø B	Ø C	CCT	OC PROT	INTER. USE	nonC LOAD	CONT LOAD	RECEPT LOAD	LIGHT LOAD	Remarks
	EXISTING RECEPT SOUTH WALL						20A	1	X			2	20A						EXISTING RECEPT NORTH WALL
	EXISTING RECEPT SOUTH WALL						20A	3		X		4	20A						EXISTING RECEPT NORTH WALL
	EXISTING RECEPT SOUTH WALL						20A	5			X	6	20A						EXISTING RECEPT NORTH WALL
	EXISTING RECEPT SOUTH WALL						20A	7	X			8	20A						EXISTING RECEPT NORTH WALL
	EXISTING RECEPT SOUTH WALL						20A	9		X		10	20A						EXISTING RECEPT NORTH WALL
	EXISTING RECEPT SOUTH WALL						20A	11			X	12	20A						EXISTING RECEPT NORTH WALL
	EXISTING TOASTER						20A	13	X			14	20A						EXISTING RECEPT NORTH WALL
								15		X		16	20A						EXISTING RECEPT NORTH WALL
	EXISTING MICROWAVE						30A	17			X	18	20A						EXISTING RECEPT NORTH WALL
								19	X			20	20A						EXISTING RECEPT NORTH WALL
	EXISTING RECEPT EAST WALL						20A	21		X		22	20A						EXISTING RECEPT NORTH WALL
	EXISTING KITCHEN STEAM TABLE						20A	23			X	24	20A						EXISTING RECEPT NORTH WALL
	EXISTING SOFT SERVE ICE CREAM MACHINE						20A	25	X			26	20A						EXISTING ICE MACHINE
								27		X		28	40A						EXISTING COFFEE MAKER
	EXISTING DISPOSAL @ DISHWASHER						20A	29			X	30							
								31	X			32							
								33		X		34	20A						EXISTING DISPOSAL NORTH WALL
	EXISTING DISHWASHER						30A	35			X	36							
								37	X			38							
*	REFRIGERATOR (103)					1000	20A	39		X		40	40A						EXISTING INSTANT WATER HEATER
								41			X	42							

	CONNECTED LOAD				DEMAND FACTOR	DEMAND LOAD				
LOAD DESCRIPTION	ØA	ØB	ØC	TOTAL		ØA	ØB	ØC	TOTAL	
LIGHTING LOAD (VOLT-AMPS)	0	0	0	0	1.00	0	0	0	0	
180VA RECEPTACLE LOAD (VOLT-AMPS)	0	0	0	0	1.00 (FIRST 10kVA)	0	0	0	0	RECEPTACLE DEMAND FACTOR PER ARTICLE
	AMOUNT OVER 10kVA			0	0.50 (> 10kVA)	0	0	0	0	220.44 OF THE NATIONAL ELECTRICAL CODE.
CONTINUOUS LOAD (VOLT-AMPS)	0	0	0	0	1.00	0	0	0	0	
NON-CONTINUOUS LOAD (VOLT-AMPS)	0	0	0	0	0.65	0	0	0	0	
INTERMITTENT USE LOAD (VOLT-AMPS)	0	0	1000	1000	0.25	0	0	250	250	
TOTAL LOAD (kVA)	0.00	0.00	1.00	1.00	125% OF LIGHT, CONT AND RECEPT	0.00	0.00	0.25	0.25	"EXISTING PANEL LP-K"
TOTAL AMPACITY (AMPS)	0.0	0.0	8.3	2.8	(<=10kVA) LOAD PLUS OTHER LOAD	0.0	0.0	2.1	0.7	
MINIMUM FEEDER SIZING (AMPS)	0.0	0.0	8.3	2.8	<---- PER NEC ARTICLE 215.2 ---->	0.0	0.0	2.1	0.7	

PANEL DESIGNATION: NEW PANEL LP-B
PANEL LOCATION: REFER TO PLAN DRAWING
FED FROM: REFER TO ONE-LINE DIAGRAM
FEEDER SIZE: REFER TO ONE-LINE DIAGRAM

MAIN: MLO
BUSSING: 100A
GROUND BUS: STANDARD
MOUNTING: SURFACE
NEUTRAL: 100%

P-P VOLTAGE: 208
P-N VOLTAGE: 120
PHASE: 3
WIRE: 4

	Remarks	LIGHT LOAD	RECEPT LOAD	CONT LOAD	nonC LOAD	INTER. USE	OC PROT	CCT	Ø A	Ø B	Ø C	CCT	OC PROT	INTER. USE	nonC LOAD	CONT LOAD	RECEPT LOAD	LIGHT LOAD	Remarks	
*	RECEPT (RM 126,141)		720				20A	1	X			2	20A						EXISTING RECEPT LOBBY	
*	RECEPT (RM 130)		720				20A	3		X		4	20A				720		RECEPT (RM 146)	*
	EXISTING WP GFI						20A	5			X	6	20A						EXISTING MEETING ROOM EXHAUST FANS	
	EXISTING RECEPT ELEC. ROOM						20A	7	X			8	20A						EXISTING RECEPT PUBLIC REST ROOM	
	EXISTING HOOD FANS						20A	9		X		10	20A						EXISTING HAND DRYER (MEN'S)	
*	RECEPT (RM 143)		720				20A	11			X	12	20A						EXISTING HAND DRYER (WOMENS)	
*	RECEPT (RM 127)		900				20A	13	X			14	20A	1800					DISHWASHER (RM 104)	*
	EXISTING WATER HEATER						20A	15		X		16	20A						EXISTING TELE. BOARD RECEPT	
	EXISTING ELEC. HEAT (MENS RESTROOM)						20A	17			X	18	20A						EXISTING ELEC. HEAT (WOMENS RESTROOM)	
								19	X			20								
	EXISTING KILN						50A	21		X		22	20A	1800					MICROWAVE (RM 104)	*
								23			X	24	20A	1000					REFRIGERATOR (RM 138)	*
*	LIGHTING (RM 129,130,131,132,134,137)	511					20A	25	X			26	20A						EXISTING WALK-IN COOLER	
*	LIGHTING (RM 104,103,106,107,120), EXHAUST FAN EF-A	682					23 20A	27		X		28	20A		24			1104	LTG (RM 126,127,128, 138,139,142,141,133,143,146) & EF-A	*
*	RECEPT (137)		720				20A	29			X	30	20A						EXISTING NIGHT LIGHT	*
*	PRINTER (RM 127)						500 20A	31	X			32	20A				720		RECEPT (131)	*
*	PRINTER (RM 127)						500 20A	33		X		34	20A				720		RECEPT (134)	*
*	RECEPT (RM 139)		720				20A	35			X	36	20A	382					CHANGING STATION (105)	*
*	RECEPT (104,120)		540				20A	37	X			38	20A		1650		720		RECEPT (106,107)	*
*	RECEPT (102)		1080				20A	39		X		40	20A				720		RECEPT (1312)	*
*	MICROWAVE						1800 20A	41			X	42	20A				720		RECEPT (129)	*

	CONNECTED LOAD				DEMAND FACTOR	DEMAND LOAD				
LOAD DESCRIPTION	ØA	ØB	ØC	TOTAL		ØA	ØB	ØC	TOTAL	
LIGHTING LOAD (VOLT-AMPS)	511	1786	0	2297	1.00	511	1786	0	2297	
180VA RECEPTACLE LOAD (VOLT-AMPS)	3600	3960	2880	10440	1.00 (FIRST 10kVA)	3448	3793	2759	10000	RECEPTACLE DEMAND FACTOR PER ARTICLE
	AMOUNT OVER 10kVA			440	0.50 (> 10kVA)	76	83	61	220	220.44 OF THE NATIONAL ELECTRICAL CODE.
CONTINUOUS LOAD (VOLT-AMPS)	0	0	0	0	1.00	0	0	0	0	
NON-CONTINUOUS LOAD (VOLT-AMPS)	1650	24	0	1674	0.65	1073	16	0	1088	
INTERMITTENT USE LOAD (VOLT-AMPS)	2300	2323	3182	7805	0.25	575	581	796	1951	
TOTAL LOAD (kVA)	8.06	8.09	6.06	22.22	125% OF LIGHT, CONT AND RECEPT	5.68	6.26	3.61	15.56	"NEW PANEL LP-B"
TOTAL AMPACITY (AMPS)	67.1	67.4	50.5	61.7	(<=10kVA) LOAD PLUS OTHER LOAD	47.3	52.1	30.1	43.2	
MINIMUM FEEDER SIZING (AMPS)	75.7	79.4	56.5	70.5	<---- PER NEC ARTICLE 215.2 ---->	55.6	63.7	35.8	51.7	

EXISTING OUTDOOR LIGHTING PANEL
PANEL DESIGNATION: NORTH WALL
PANEL LOCATION: REFER TO PLAN DRAWING
FED FROM: REFER TO ONE-LINE DIAGRAM
FEEDER SIZE: REFER TO ONE-LINE DIAGRAM

MAIN: MLO
BUSSING: 225A
GROUND BUS: STANDARD
MOUNTING: SURFACE
NEUTRAL: 100%

P-P VOLTAGE: 208
P-N VOLTAGE: 120
PHASE: 3
WIRE: 4

	Remarks	LIGHT LOAD	RECEPT LOAD	CONT LOAD	nonC LOAD	INTER. USE	OC PROT	CCT	Ø A	Ø B	Ø C	CCT	OC PROT	INTER. USE	nonC LOAD	CONT LOAD	RECEPT LOAD	LIGHT LOAD	Remarks
	EXISTING "E" FIXTURES IN WALLS						20A	1	X			2	20A						EXISTING "A" LIGHTS SPLASH PAD
	EXISTING "E" PLUGS IN WALLS						20A	3		X		4	20A						EXISTING "A" & "B" PLUGS
	EXISTING "F" PLUGS IN WALKWAYS						20A	5			X	6	20A						EXISTING "B" LIGHTS PLAY AREA
	EXISTING "C" LITES WEST						20A	7	X			8							EXISTING CLOCK TOWER PANEL
	EXISTING "F" LIGHTS WEST						20A	9		X		10	100A						
	EXISTING "J" LIGHTS S. WEST						20A	11			X	12							
	EXISTING LIGHTING CONTROL CABINET						20A	13	X			14	30A						SPARE
*	LIGHTING (FRONT CANOPY)	46					20A	15		X		16	60A						EXISTING FOUNTAIN
*	LIGHTING (SOUTH SOFFIT)	184					20A	17			X	18							
*	LIGHTING (SOUTH PATIO)	138					20A	19	X			20	---						SPACE
	SPACE						---	21		X		22	---						SPACE
	SPACE						---	23			X	24	---						SPACE
	SPACE						---	25	X			26	---						SPACE
	SPACE						---	27		X		28	---						SPACE
	SPACE						---	29			X	30	---						SPACE
	SPACE						---	31	X			32	---						SPACE
	SPACE						---	33		X		34	---						SPACE
	SPACE						---	35			X	36	---						SPACE
	SPACE						---	37	X			38	---						SPACE
	SPACE						---	39		X		40	---						SPACE
	SPACE						---	41			X	42	---						SPACE

	CONNECTED LOAD				DEMAND FACTOR	DEMAND LOAD				
LOAD DESCRIPTION	ØA	ØB	ØC	TOTAL		ØA	ØB	ØC	TOTAL	
LIGHTING LOAD (VOLT-AMPS)	138	46	184	368	1.00	138	46	184	368	
180VA RECEPTACLE LOAD (VOLT-AMPS)	0	0	0	0	1.00 (FIRST 10kVA)	0	0	0	0	RECEPTACLE DEMAND FACTOR PER ARTICLE
	AMOUNT OVER 10kVA			0	0.50 (> 10kVA)	0	0	0	0	220.44 OF THE NATIONAL ELECTRICAL CODE.
CONTINUOUS LOAD (VOLT-AMPS)	0	0	0	0	1.00	0	0	0	0	
NON-CONTINUOUS LOAD (VOLT-AMPS)	0	0	0	0	0.65	0	0	0	0	
INTERMITTENT USE LOAD (VOLT-AMPS)	0	0	0	0	0.25	0	0	0	0	
TOTAL LOAD (kVA)	0.14	0.05	0.18	0.37	125% OF LIGHT, CONT AND RECEPT	0.14	0.05	0.18	0.37	"EXISTING OUTDOOR LIGHTING PANEL NORTH WALL"
TOTAL AMPACITY (AMPS)	1.1	0.4	1.5	1.0	(<=10kVA) LOAD PLUS OTHER LOAD	1.1	0.4	1.5	1.0	
MINIMUM FEEDER SIZING (AMPS)	1.4	0.5	1.9	1.3	<---- PER NEC ARTICLE 215.2 ---->	1.4	0.5	1.9	1.3	

GENERAL NOTES:

A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. ITEMS INDICATED WITH A ★ IN PANEL SCHEDULES SHOWN ON THIS DRAWING ARE TO BE INSTALLED UNDER THIS PROJECT. CONTRACTOR TO FURNISH AND INSTALL NEW BREAKERS TO MATCH EXISTING PANELS.

C. EXISTING LOAD INFORMATION INDICATED IN PANEL SCHEDULES BASED OFF OF RECORD DOCUMENTS AND SITE VERIFICATION OF PANEL SCHEDULES. NOT ALL LOADS HAVE BEEN VERIFIED. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING LOAD INFORMATION ON CIRCUITS AND PROVIDE ENGINEER INFORMATION TO UPDATE DRAWING AS-BUILT DOCUMENTATION ACCORDINGLY.

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Corporate Headquarters
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Novi, Michigan 48374
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Brownstown Township

Project:
Brownstown Community Center Rennovation & Addition

21311 Telegraph Rd.
Brownstown, MI

Seal:
NOT FOR CONSTRUCTION

Date	Issued For
01/22/2021	BIDS
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ELECTRICAL PANEL SCHEDULES

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