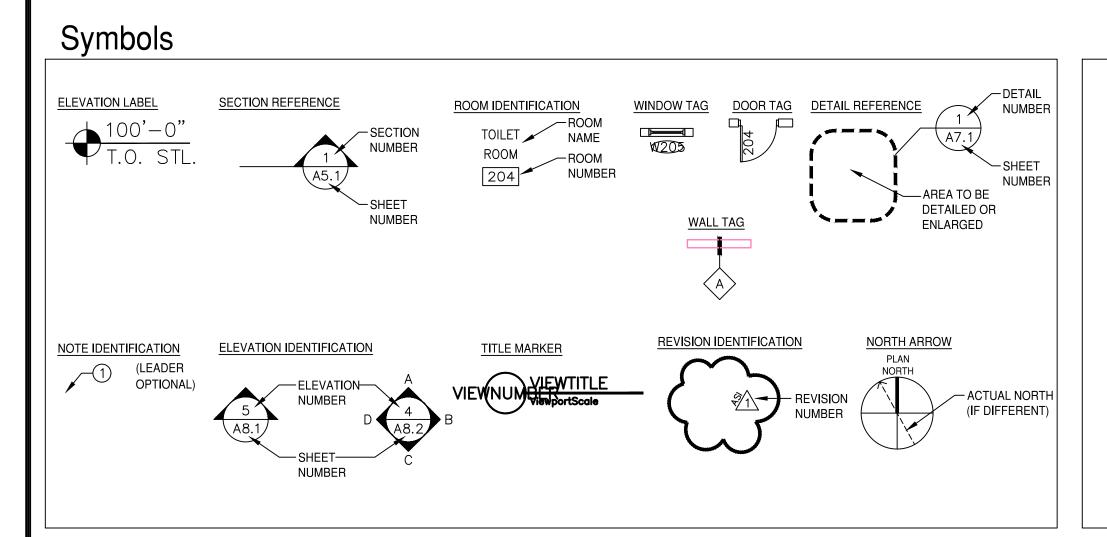
# S. LAKE COMMUNITY CENTER

# ADDITION AND REMODEL



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## Sheet Index

#### Architectural A1.0 SITE PLAN / DEMOLITION PLAN

A2.0 FLOOR PLAN A3.0 REFLECTED CEILING & ROOF PLAN

A4.0 SCHEDULES & TYPES A5.0 EXTERIOR ELEVATIONS

A6.0 BUILDING SECTIONS

A7.0 WALL SECTIONS A7.1 WALL SECTIONS A7.2 WALL SECTIONS

A8.0 INTERIOR ELEVATIONS A8.1 INTERIOR ELEVATIONS

A8.2 INTERIOR ELEVATIONS A8.3 TYP. FIXTURE ELEVATIONS

S1 GENERAL NOTES & SCHEDULES

S2 FOUNDATION PLAN & DETAILS **ROOF FRAMING PLAN & DETAILS** 

# Mechanical

Structural

MEP1.1 EQUIPMENT SCHEDULES MEP1.2 KITCHEN EQUIPMENT SCHEDULE

KITCHEN EQUIPMENT SCHEDULE MECHANICAL DEMOLITION PLAN UNDERFLOOR PLUMBING PLAN

ABOVE FLOOR PLUMBING PLAN RISER PLAN

M1.1 HVAC PLAN

#### Electrical

E0.1 ELECTRICAL DEMOLITION PLAN

E1.1 POWER PLAN E2.1 LIGHTING PLAN

OCCUPANCY SENSOR PLAN E4.1 KITCHEN POWER PLAN

#### Food Service

FS100 EQUIPMENT COVER SHEET FS101 EQUIPMENT PLAN/ SCHEDULE

FS200 EQUIPMENT SPECIAL CONDITIONS

**EQUPMENT ELEVATIONS/ 3-D** FS500 EQUIPMENT PLUMBING ROUGH-IN

SF600 EQUIPMENT HVAC ROUGH-IN

FS700 EQUIPMENT ELECT. ROUGH-IN

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# lee.giffen@llojibwe.org

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Fax:

#### Structural Consultant **Electrical Consultant**

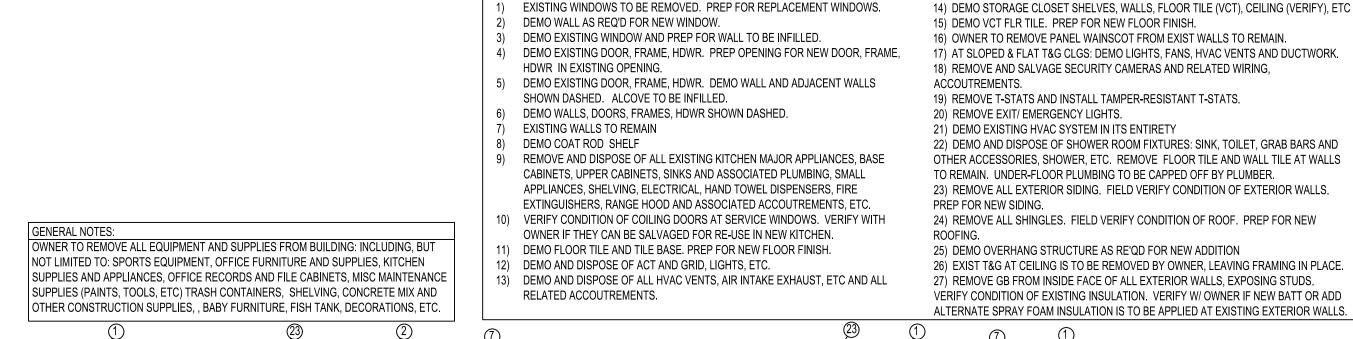
The Hanson Group The Design Group Inc. 331 6th Ave SW 3407 Kilmer Lane North Plywouth, MN 55441 Chisholm MN, Phone: 612-708-3572 Phone: 218-262-1959

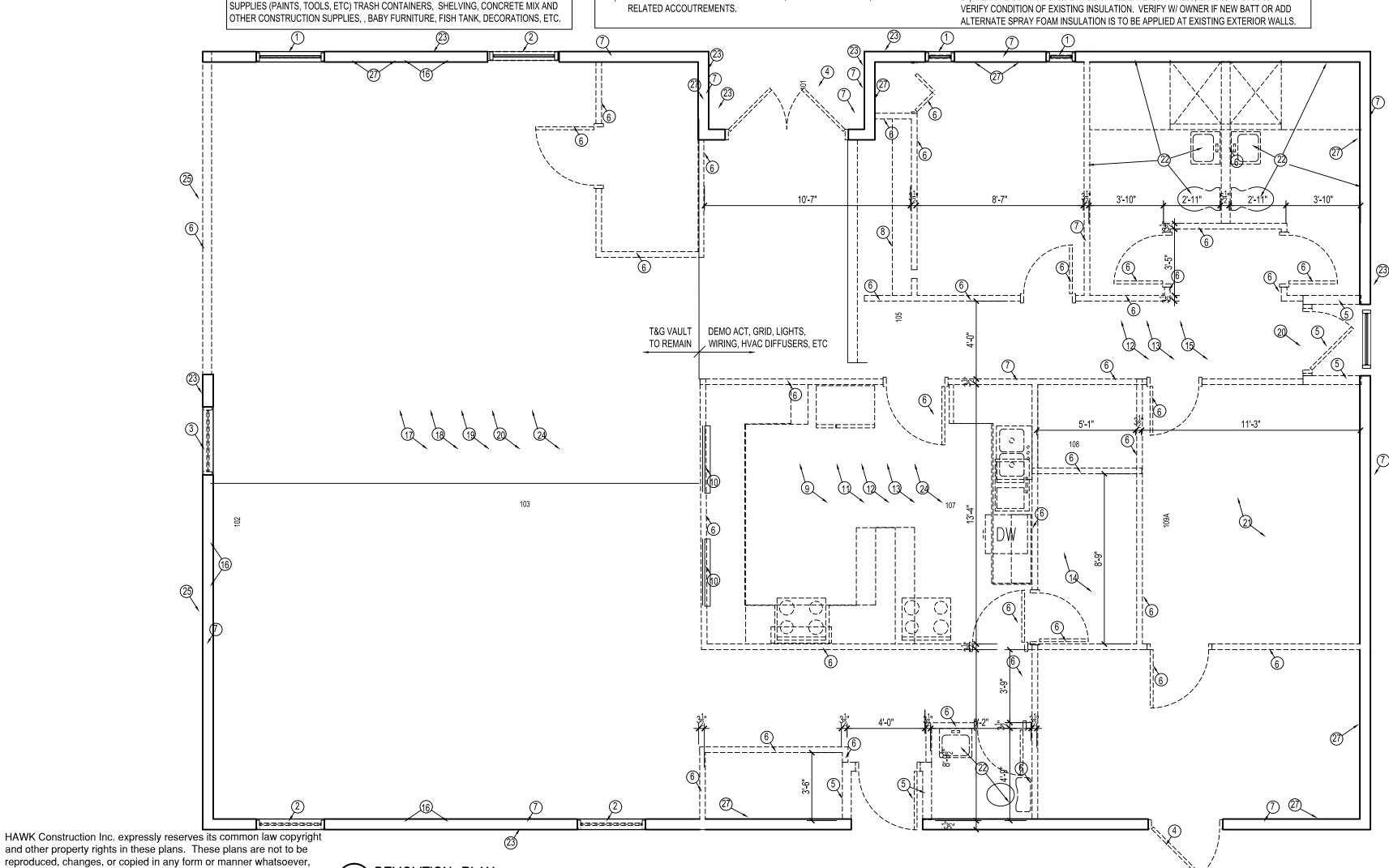
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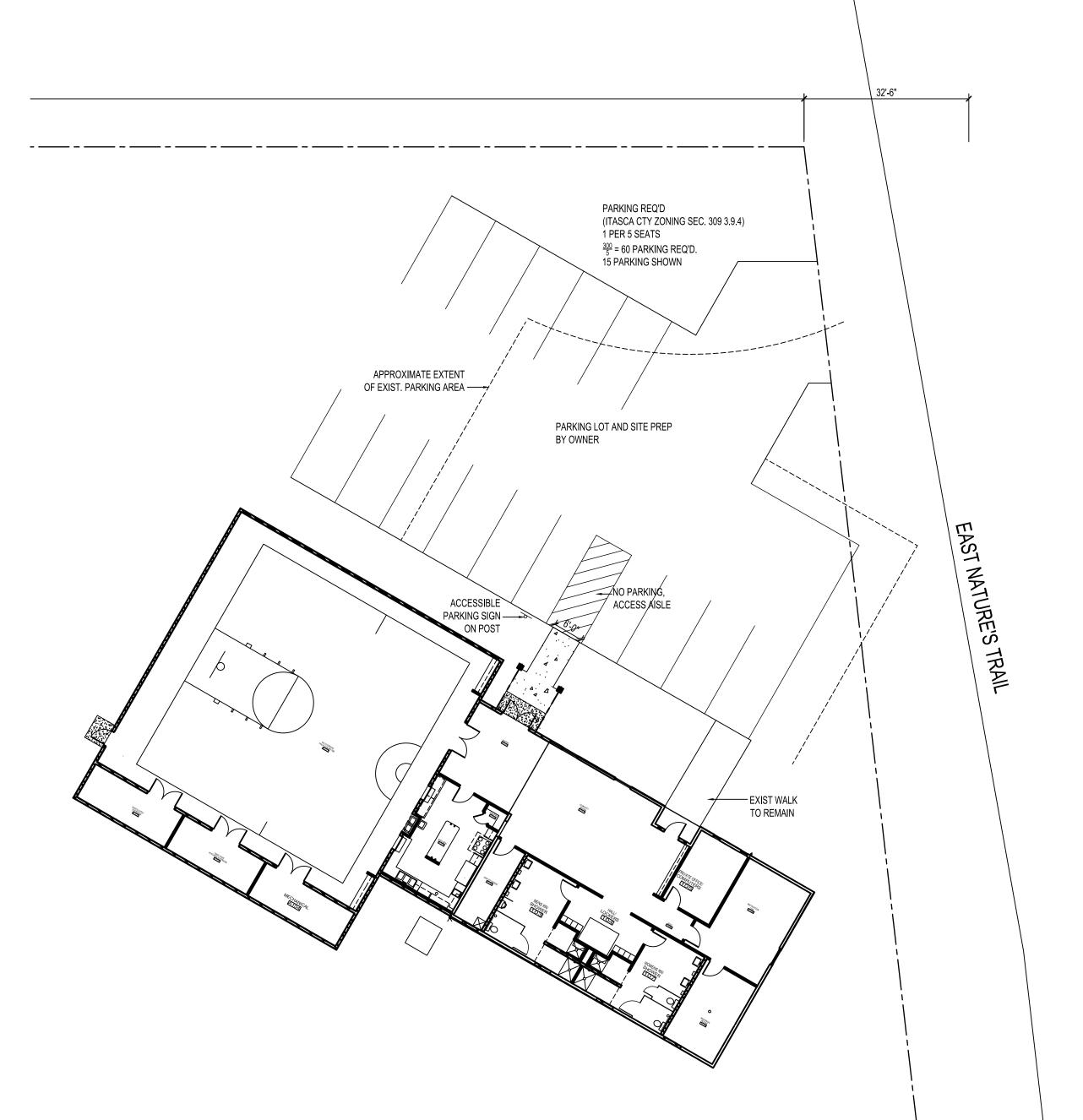
Contact: Otto Maki

Mechanical Consultant

Fax: E-mail: otto@thedgroup.org







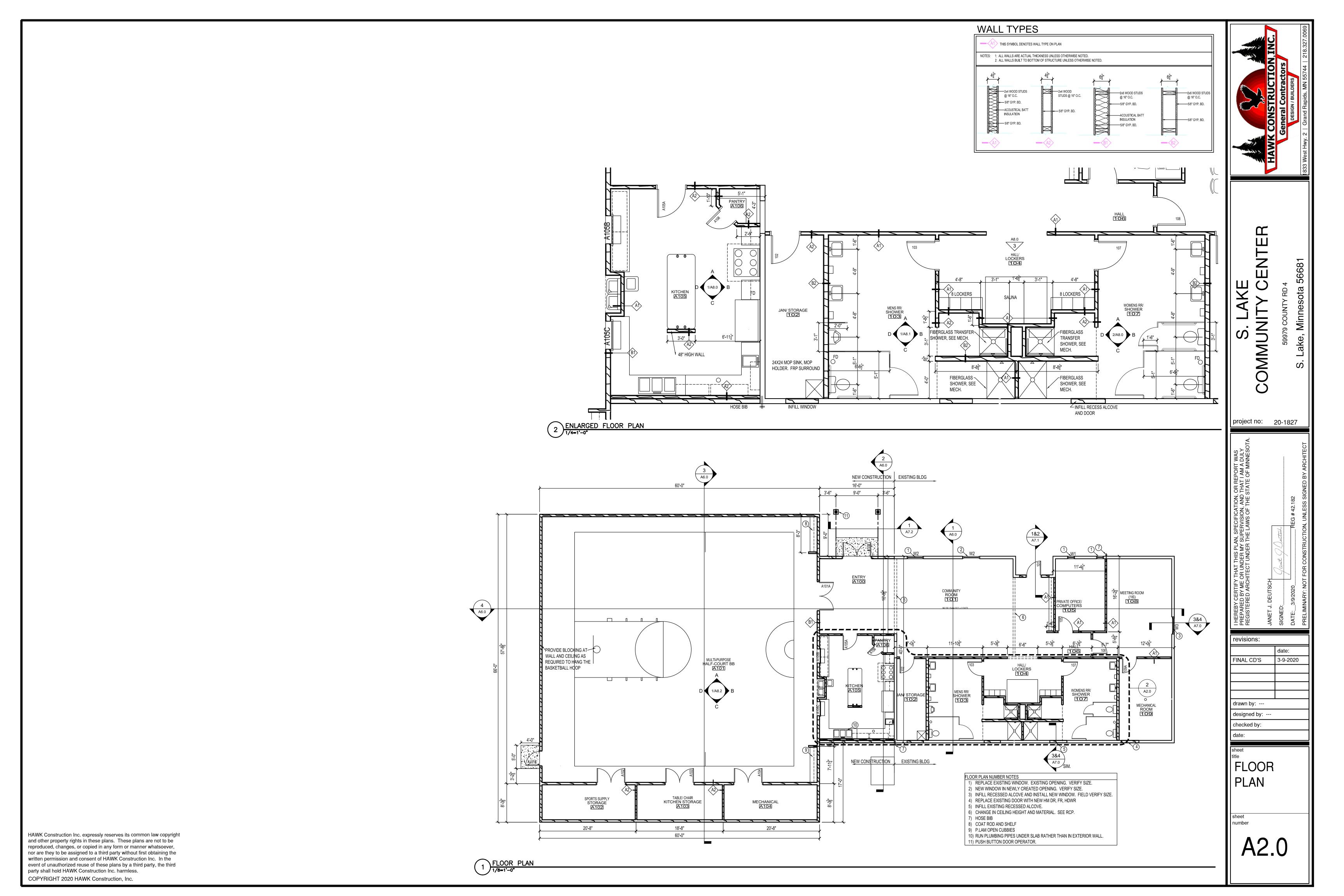
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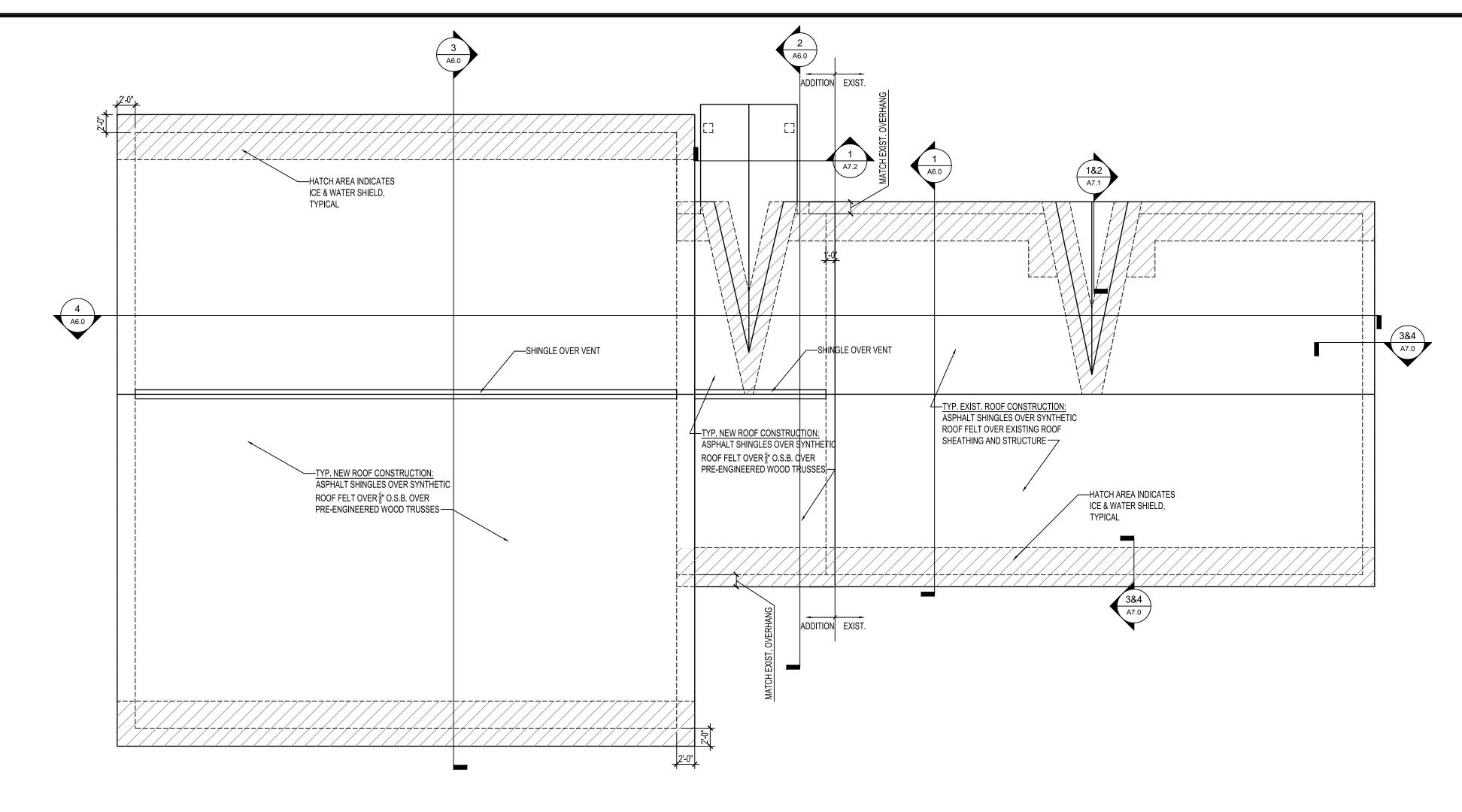
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SITE-DEMO PLAN

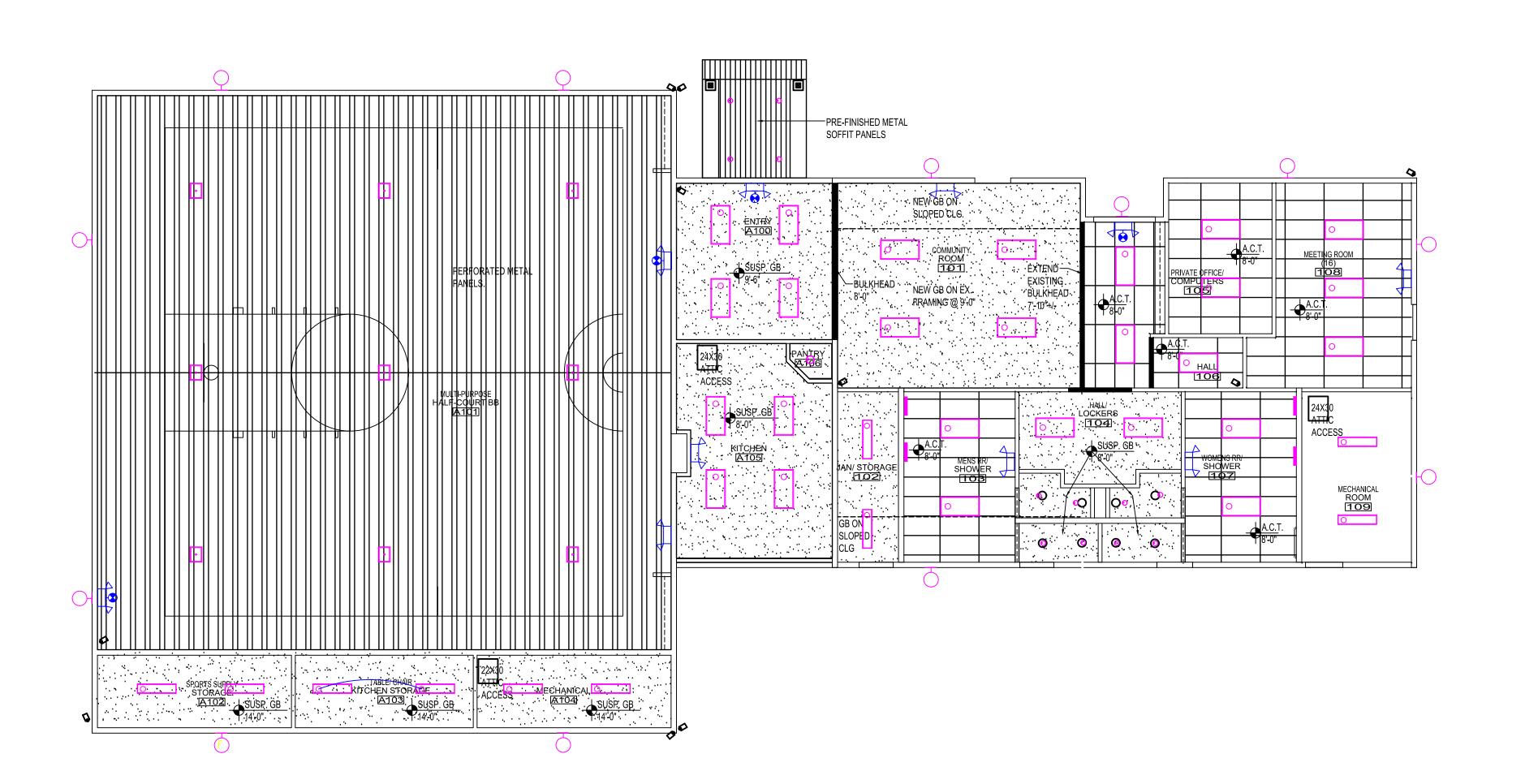
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1 ROOF PLAN

1 REFLECTED CEILING PLAN
1/8"=1'-0"



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1833 West Hwy. 2 | Grand Rapids, MN 55744 | 218.32

S. LAKE COMMUNITY CENTER

project no: 20-1827

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SIGNED:

DATE: 3/9/2020 REGISTER MY SUPERVISION IN SECURED BY ADDULY BELL MINNESC SIGNED BY ADDULY BELL MINNESC SIGNED BY ADDULTED.

revisions:

date:

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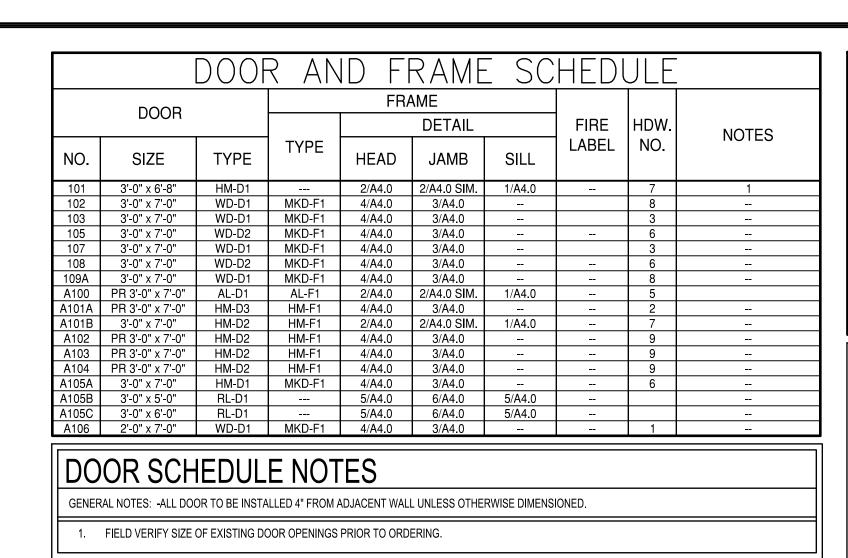
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RCP-ROOF PLAN

sheet number

A3.0



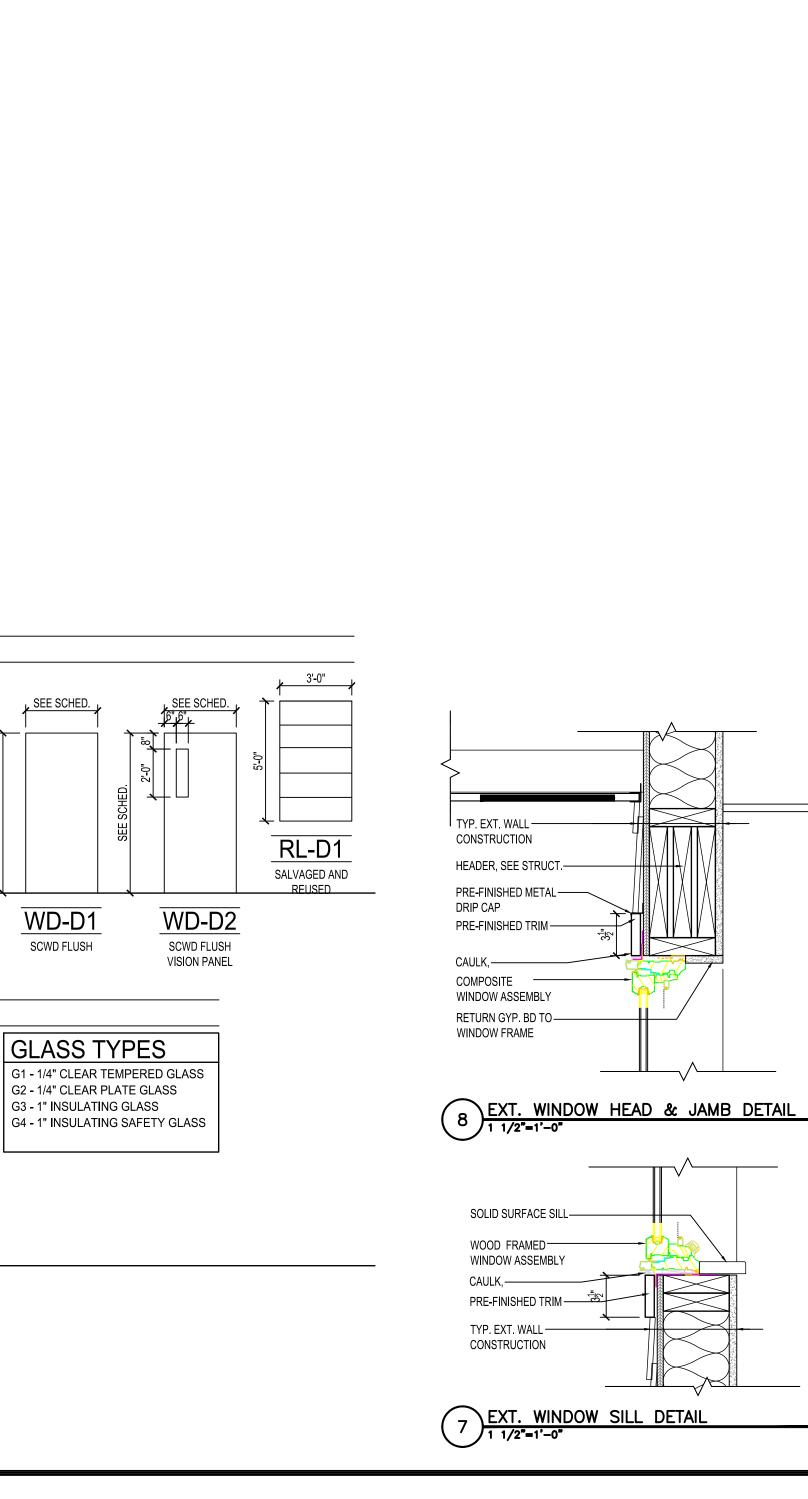
## **ROOM FINISH SCHEDULE** ROOM FLOOR CEILING SOUTH EAST WEST FINISH BASE MAT'L FINISH MAT'L FINISH MAT'L FINISH MAT'L FINISH MAT'L FINISH NAME

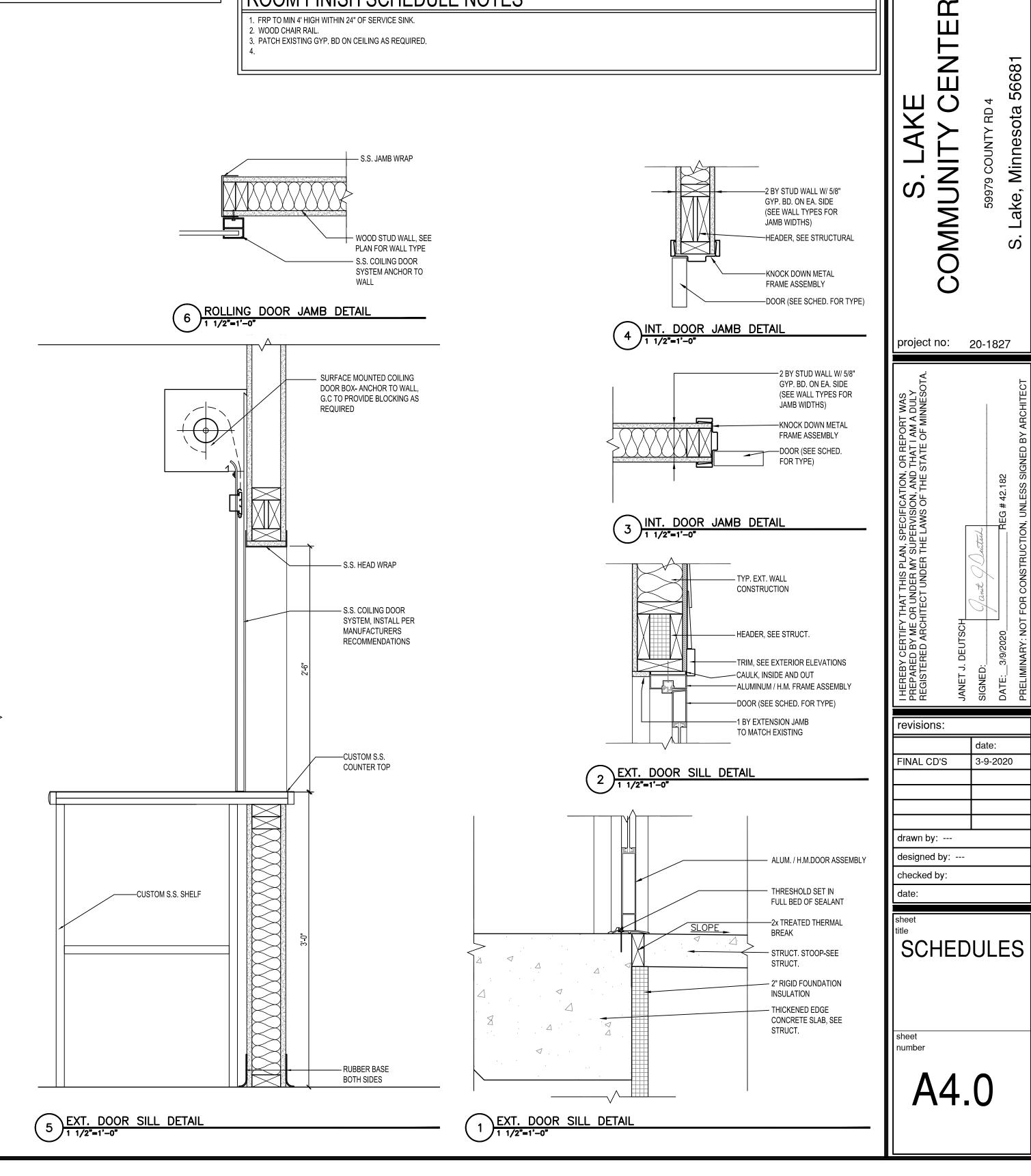
# ROOM FINISH SCHEDULE ABBREVIATIONS

1 (0	TOOM THATOIT COLLEGE TABLE VITALIONS											
ACT BRK CMU CONC. CPT	ACOUSTICAL CEILING TILE BRICK CONCRETE MASONRY UNIT CONCRETE CARPET	EXP. FRP GB GMU GRT	EXPOSED STRUCTURE FIBERGLASS REINFORCED PANEL GYPSUM BOARD GLAZED CONC. MASONRY UNIT STAINLESS STEEL GRATING	Q.T. RB R.C.P. SEAL S.V.	QUARRY TILE RUBBER BASE REFLECTED CEILING PLAN SEAL EXPOSED CONC., SEE SPEC. SHEET VINYL	S.C.P. ST STL VCT VWC	SKIM COAT PLASTER STAIN & VARNISH STEEL VINYL COMPOSITE TILE VINYL WALL COVERING					
C.T. EX. EP	CERAMIC TILE EXISTING EPOXY PAINT	MTL P PMP PLY	METAL LINEAR CEILING PAINT PERFORATED METAL LINER PANEL PLYWOOD	POLY	POLYUREA	WD	WOOD					
$D \cap A$	DOOM FINIOU COLIEDUI E NOTEO											

| ROOM FINISH SCHEDULE NOTES

1. FRP TO MIN 4' HIGH WITHIN 24" OF SERVICE SINK. 2. WOOD CHAIR RAIL. 3. PATCH EXISTING GYP. BD ON CEILING AS REQUIRED.





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Door Frame Types

AL-F1

4½" ALUMINUM

STOREFRONT

Door Types

G3 @ EXT./

G4 @ EXT./

G1 @ INT.

AL-D1

ALUMINUM

Window Types

G2 @ INT.

All frames shown are 2" wide unless otherwise dimensioned.

HM-F1

5<sup>3</sup>" HOLLOW METAL

INSULATED @ EXT.

CONDITION

 $\frac{1}{4}$ " SAFETY GLASS

HM-D1

HOLLOW METAL

INSULATED @ EXT.

CONDITION

W2

FIBREX COMPOSITE

WINDOW FIXED

(REPLACEMENT/ NEW)

EXISTING PELLA 2054CC2

FIELD VERIFY

MKD-F1

4<sup>3</sup>" KNOCK DOWN

METAL FRAME

**HOLLOW METAL** 

INSULATED @ EXT.

CONDITION

HM-D3

**HOLLOW METAL** 

INSULATED @ EXT.

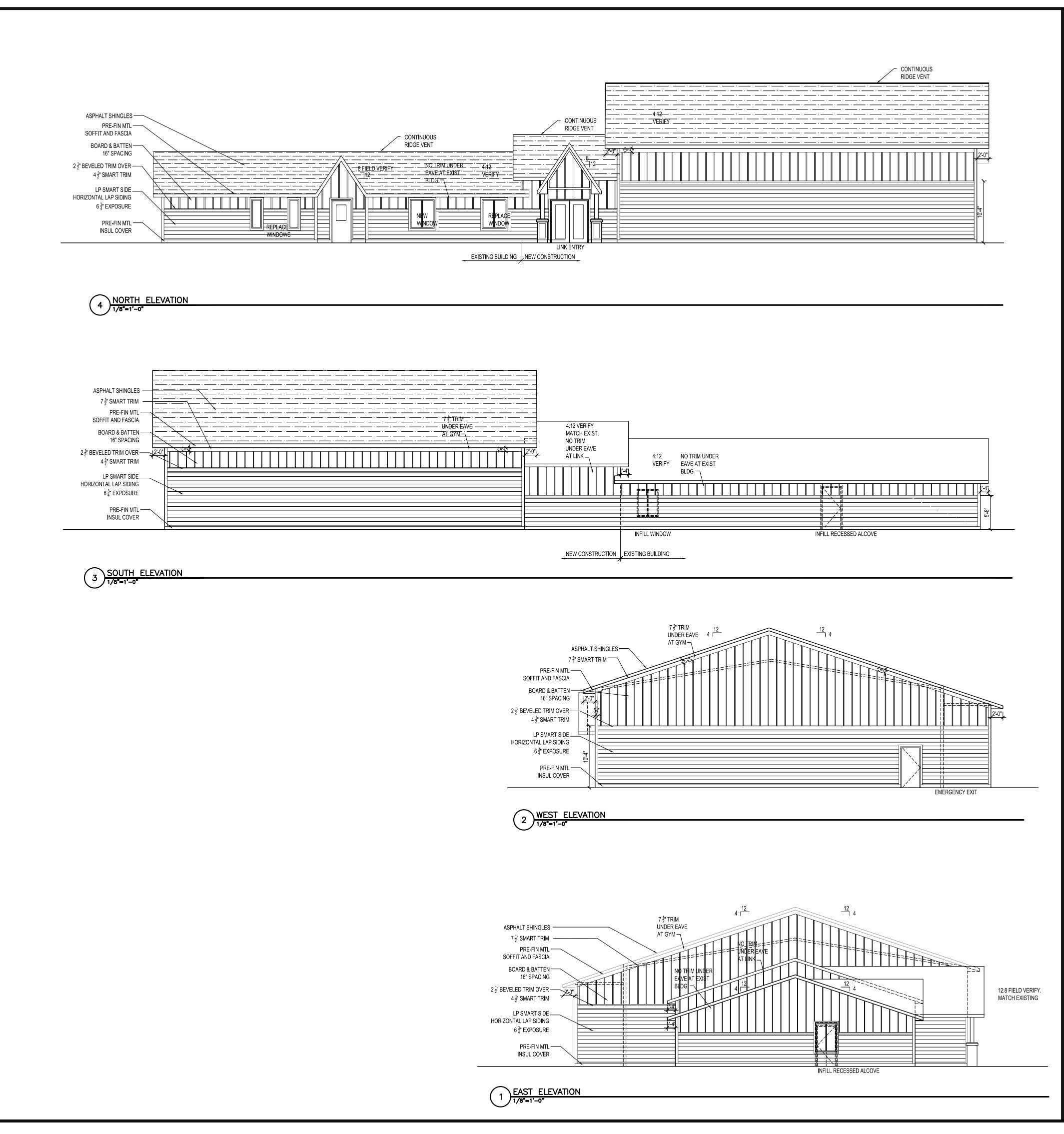
CONDITION

W3

FIBREX COMPOSITE

WINDOW FIXED

FIELD VERIFY



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General Contractors

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project no: 20-1827

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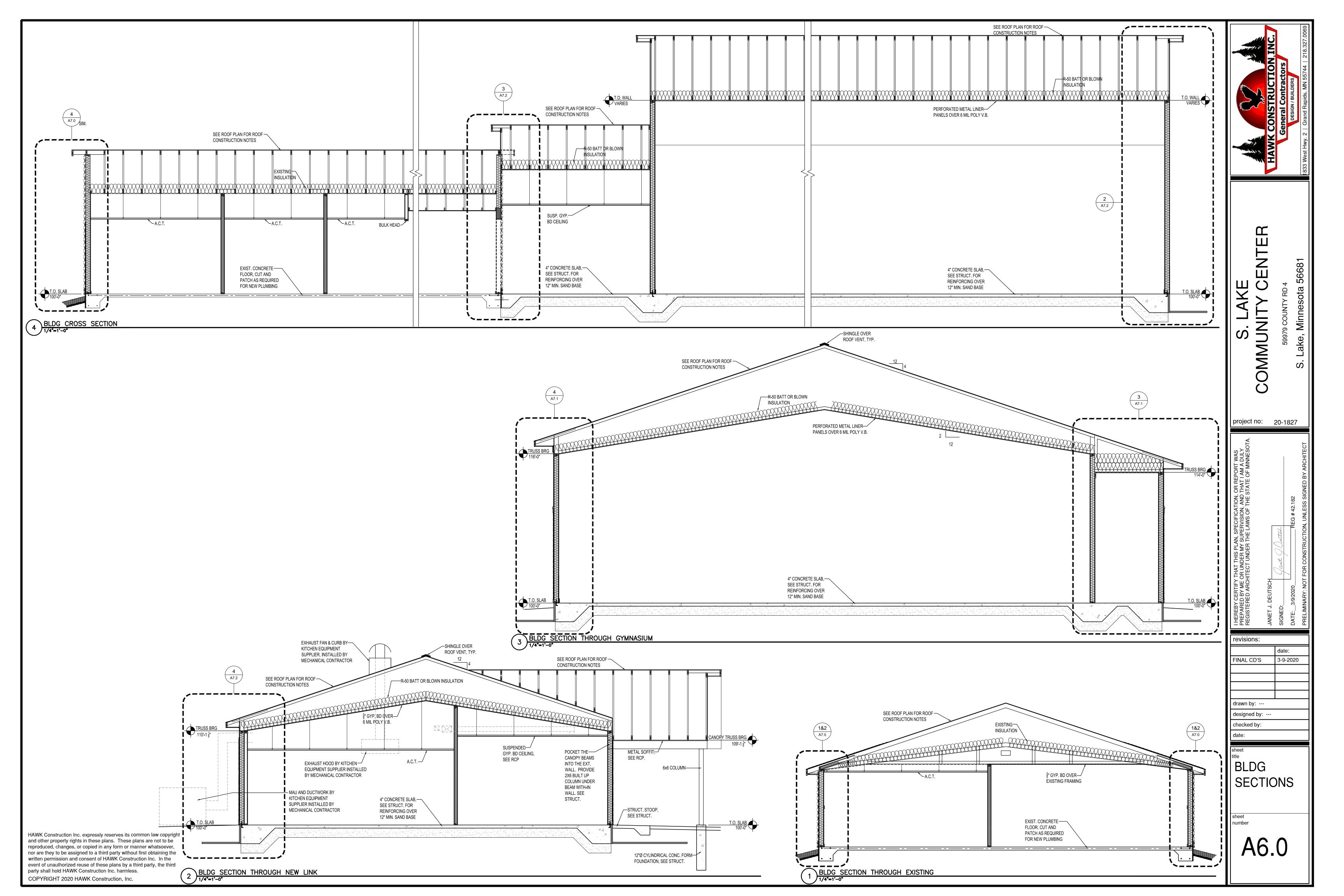
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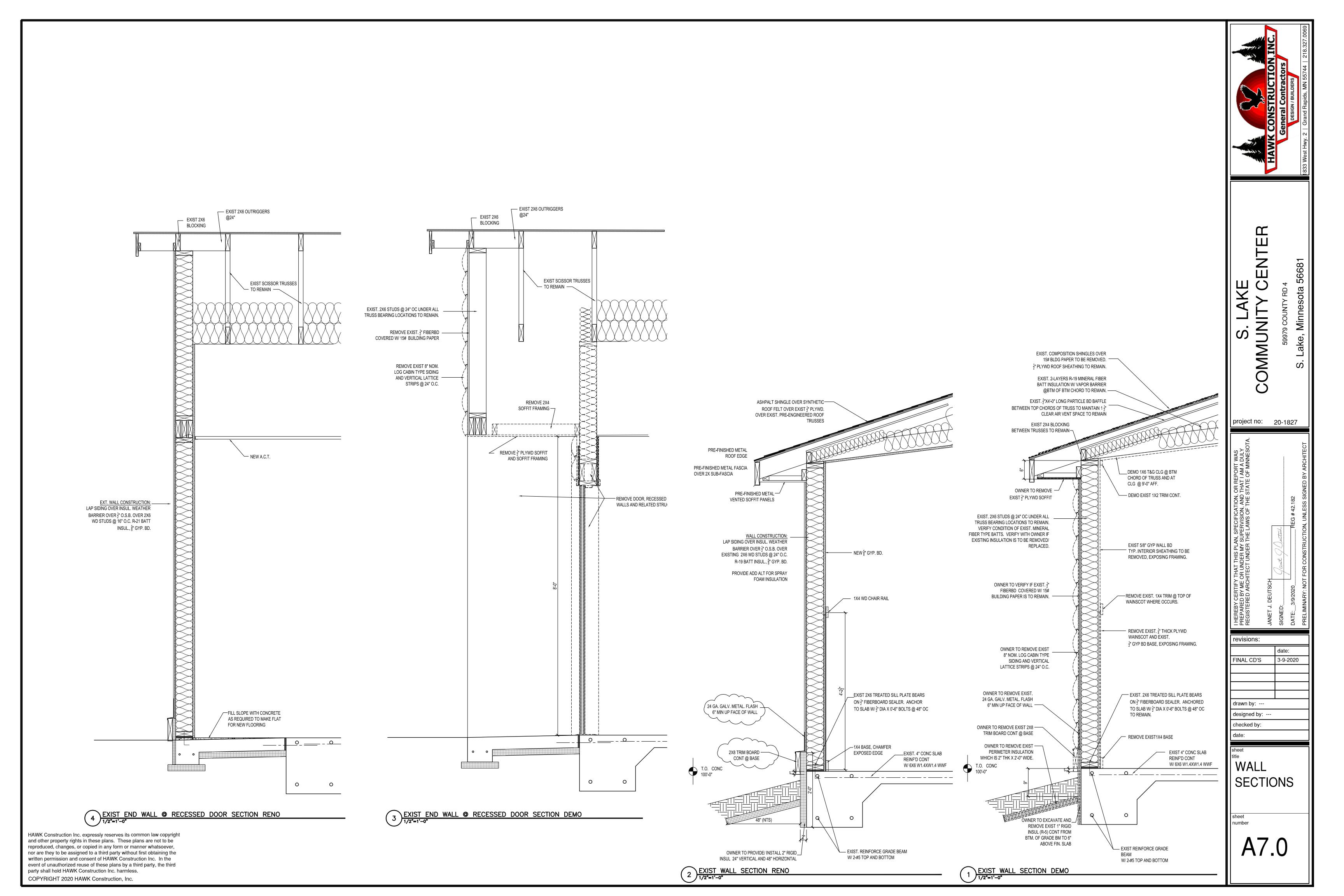
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date:

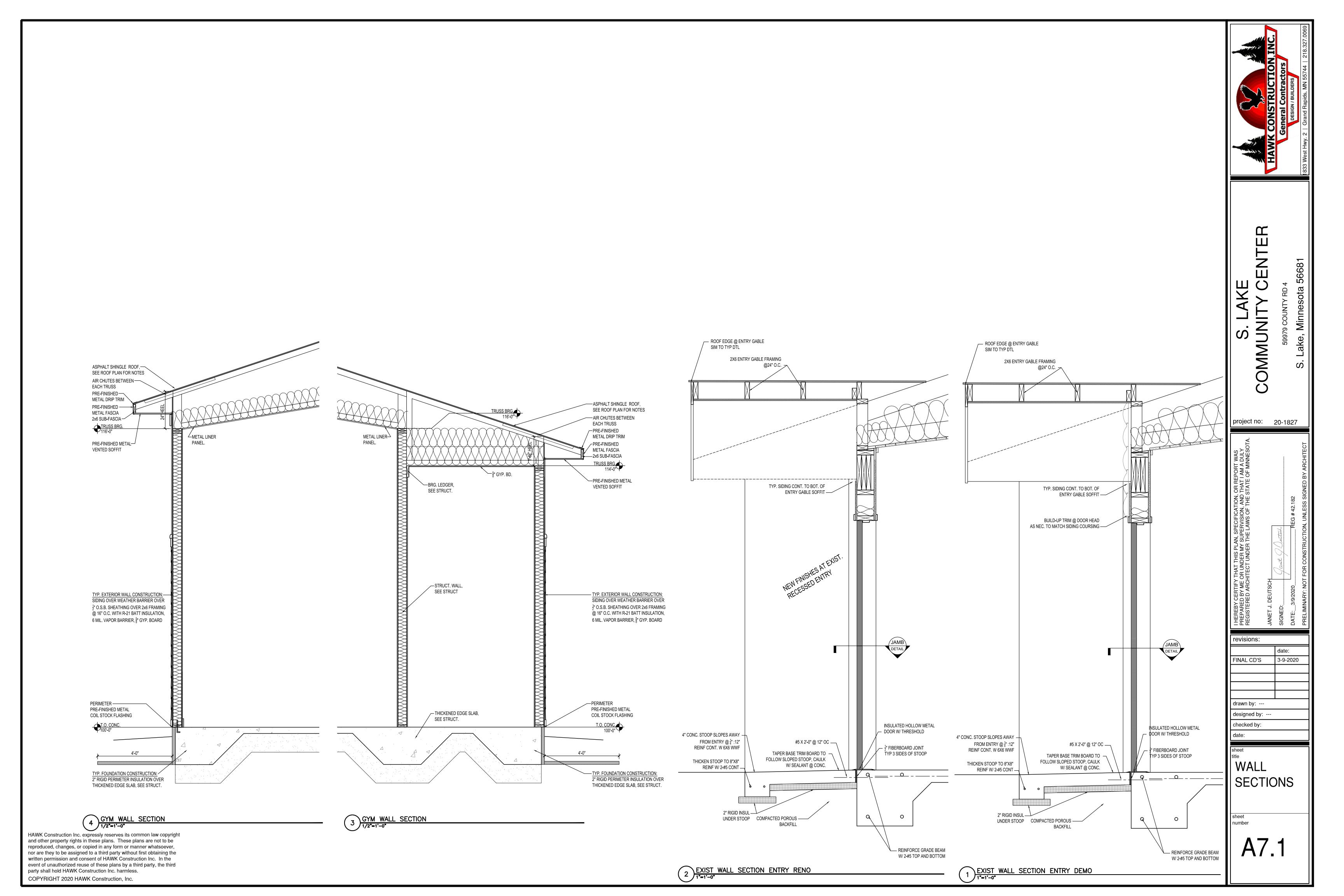
EXTERIOR ELEVS

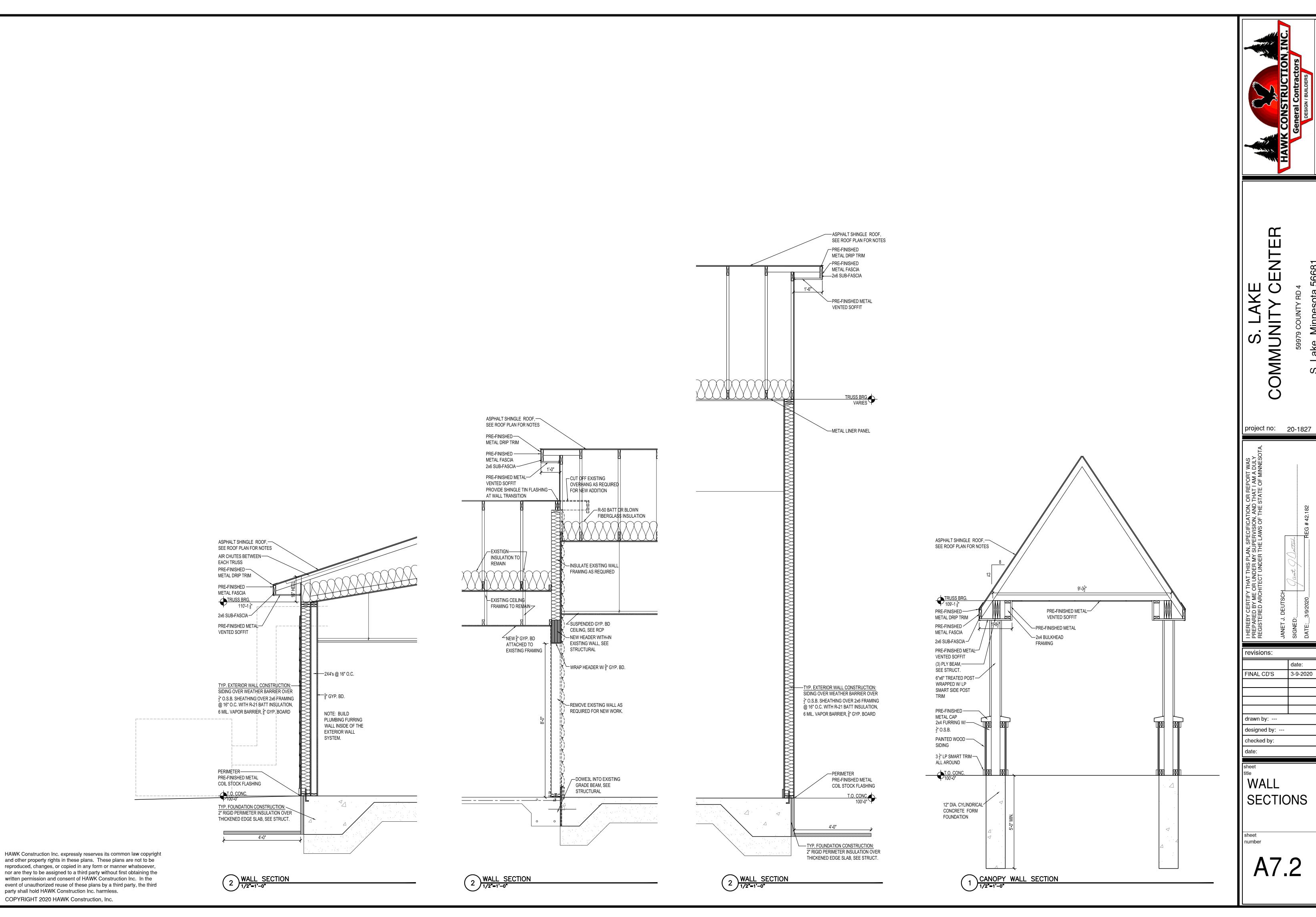
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A5.0

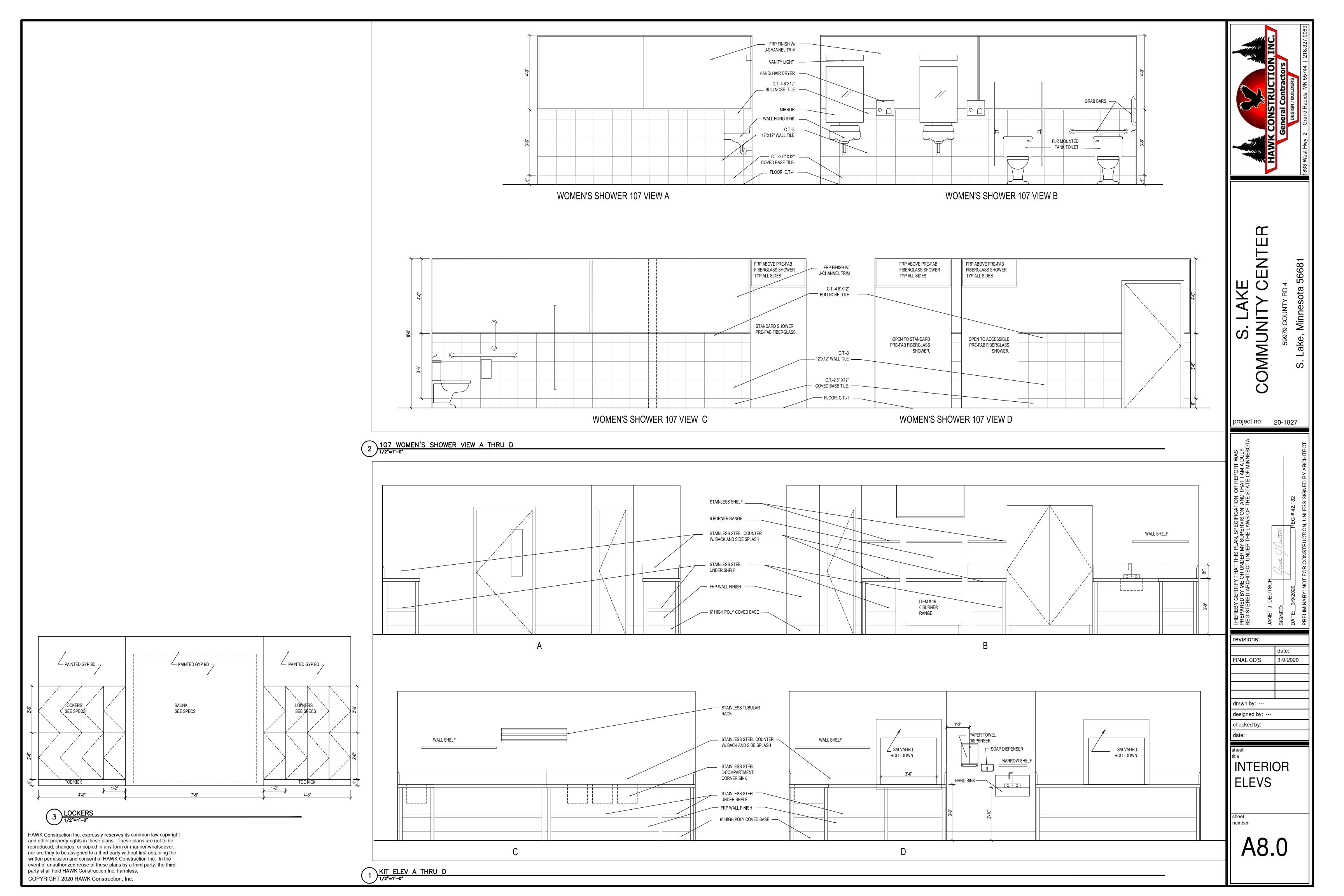


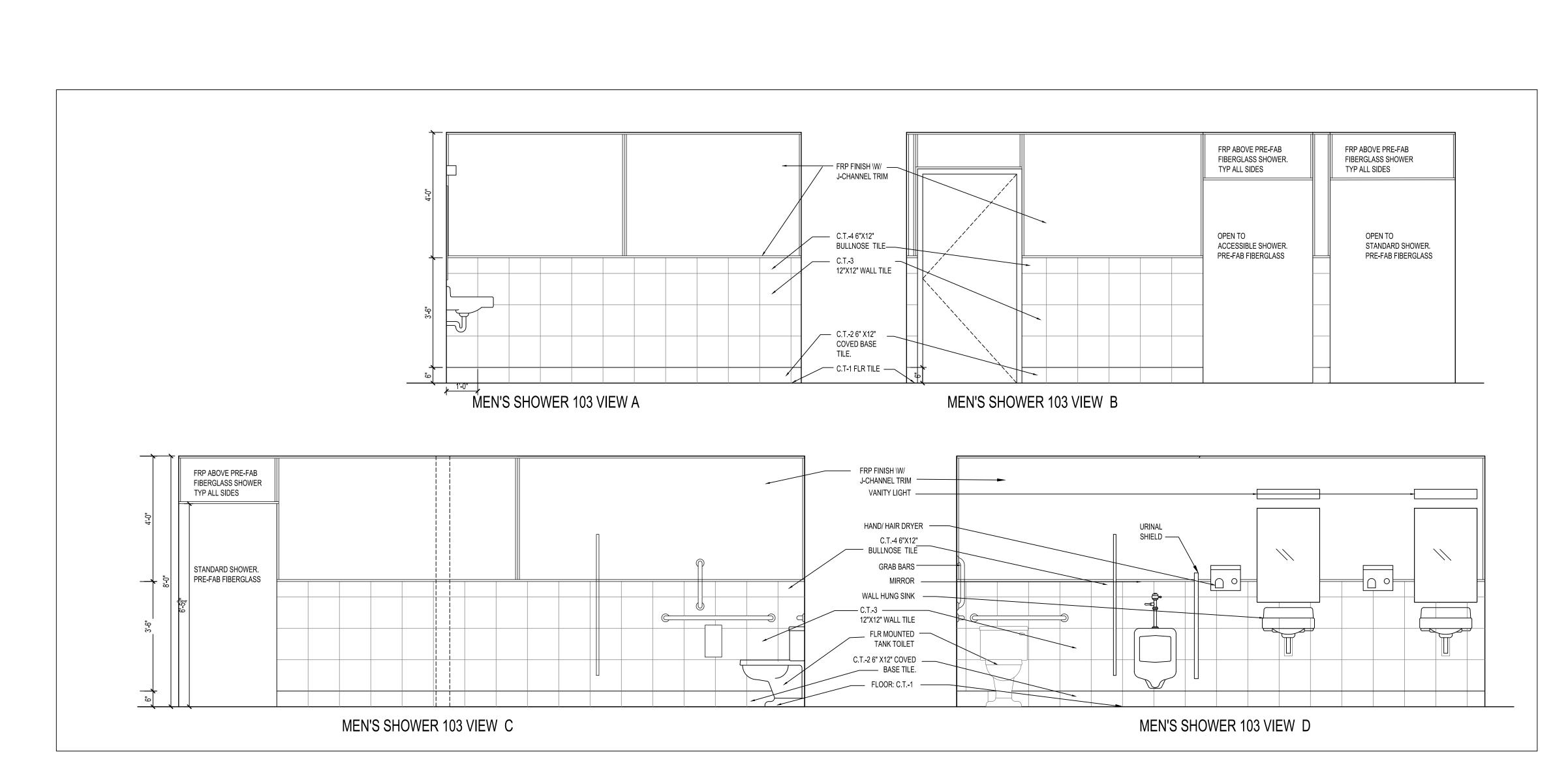






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MEN'S SHOWER 103 INTERIOR ELEVATIONS A THRU D



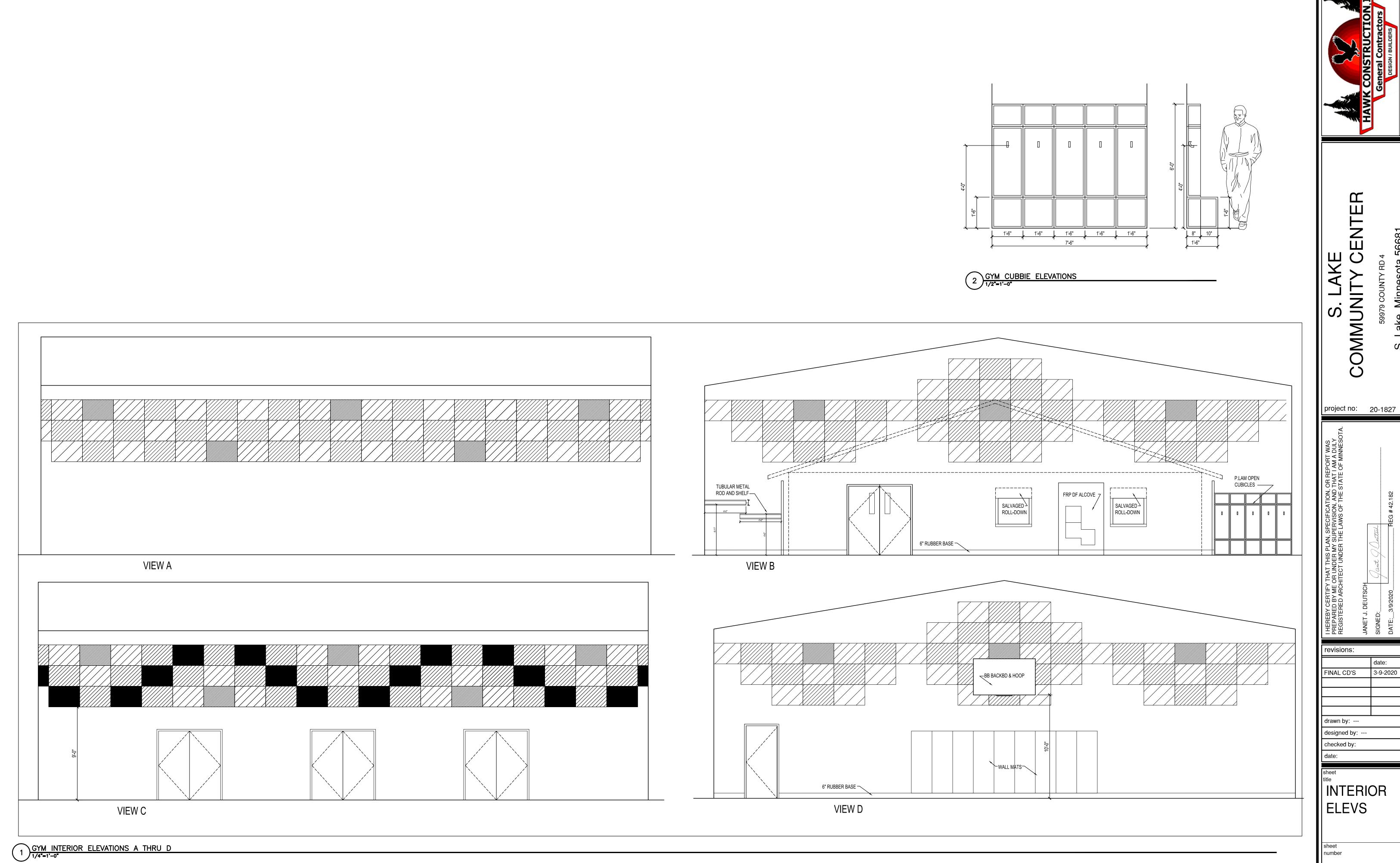
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INTERIOR ELEVATIONS

sheet number

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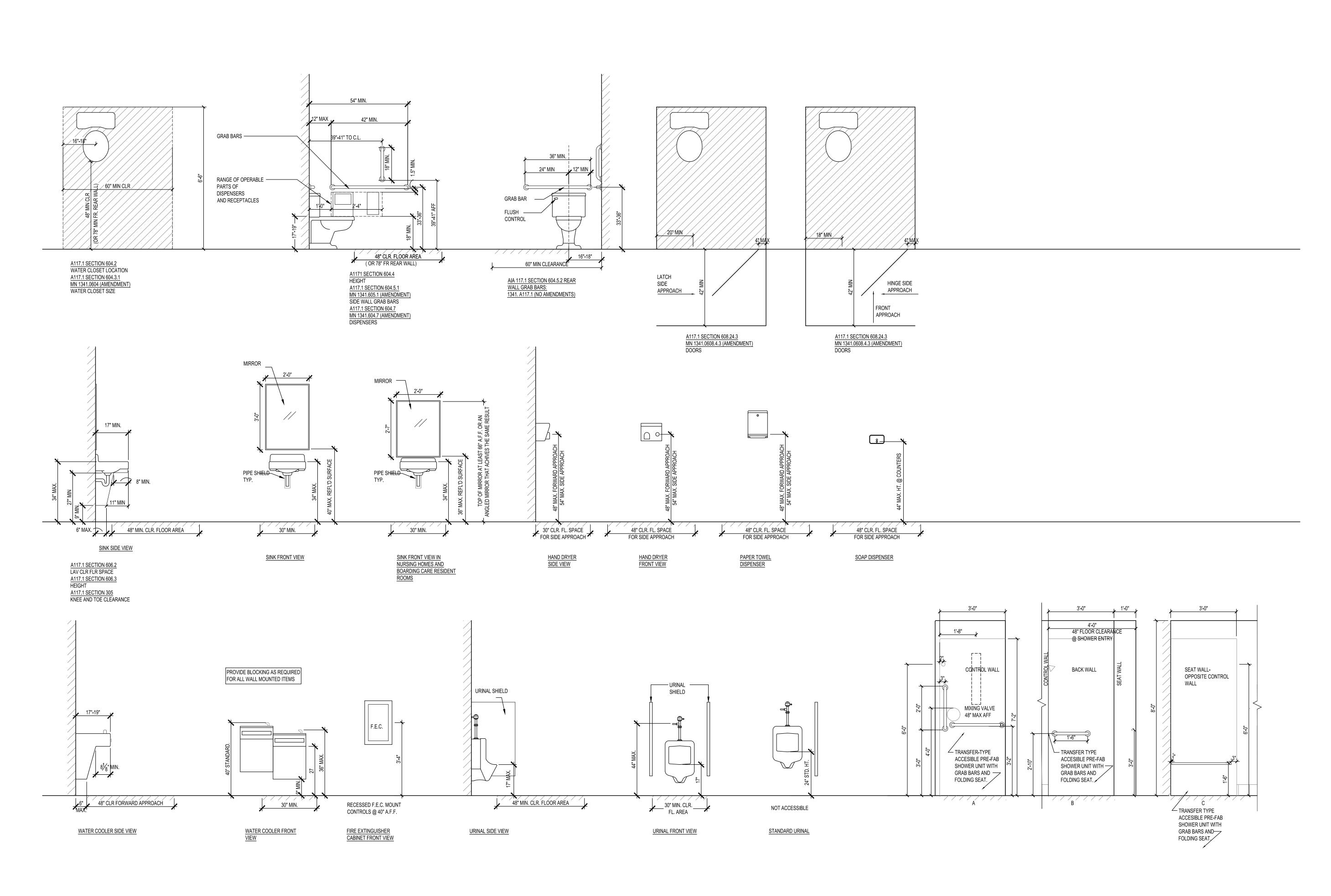
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**INTERIOR** 

A8.2



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DATE: 3/9/2020 REGISTER AND THAT I AM A DULY AND TH

revisions:

date:

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designed by: ---

designed by: --checked by:
date:

sheet title
FIXTURE
ELEVS

sheet number

A8.3

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CAST-IN-PLACE CONCRETE CODES - LATEST EDITION UNLESS NOTED OTHERWISE: ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS" ACI 305 "RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING" ACI 306 "RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING" ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 347 "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" ACI 304 "GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE" ACI 117 "STANDARD TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS" MATERIAL PROPERTY SPECIFICATIONS: PORTLAND CEMENT - ASTM C150 TYPE 1 FINE AGGREGATE - ASTM C33 COARSE AGGREGATE - ASTM C33 READY MIX CONCRETE - ASTM C94 REINFORCING BARS - ASTM A615 WELDED WIRE FABRIC - ASTM A185 MINIMUM CONCRETE COMPRESSIVE STRENGTH (F'c) AT 28 DAYS SHALL BE: STRIP FOOTINGS SPREAD FOOTINGS 3000 PSI INTERIOR SLABS-ON-GRADE 4000 PSI 4000 PSI EXTERIOR SLABS-ON-GRADE FOUNDATION WALLS 3000 PSI D. CONCRETE MIX DESIGNS: THE CONTRACTOR SHALL EMPLOY THE SERVICES OF AN INDEPENDENT TESTING LABORATORY OR READY MIX SUPPLIER TO DESIGN CONCRETE MIXES FOR EACH TYPE OF CONCRETE REQUIRED. THE MIX DESIGN SHALL BE DESIGNED AND PROPORTIONED TO MEET THE REQUIREMENTS OF THE MINIMUM DESIGN STRENGTH, AS WELL AS PLACEMENT, USE, AND SERVICEABILITY. THE MIX DESIGNS SHALL BE SUBMITTED TO THE OWNER AND THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL AT LEAST 14 DAYS PRIOR TO ANY CONCRETE THE USE OF ALL ADMIXTURES IS TO BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THEIR USE. ALL EXTERIOR SLAB WORK SHALL HAVE 6% +/- 1% AIR ENTRAINMENT. REINFORCING MATERIALS: ALL REINFORCING BARS SHALL BE GRADE 60 (60 KSI YIELD STRENGTH), UNLESS ALL WELDED WIRE FABRIC SHALL BE GRADE 65 (65 KSI YIELD STRENGTH) INSTALLED IN FLAT SHEETS, UNLESS NOTED OTHERWISE. REINFORCING PLACEMENT: PROVIDE ADDITIONAL REINFORCING AROUND ALL SIDES OF ANY SLAB OR WALL OPENINGS GREATER THAN 24" IN ANY DIRECTION EQUAL TO A MINIMUM OF TWO #5 BARS. EXTEND THE REINFORCEMENT A MINIMUM OF TWO FEET BEYOND THE

EDGES OF THE OPENINGS.

OR 12", WHICHEVER IS GREATER.

SPLICE REQUIREMENTS OF ALL BARS.

SHALL NOT BE ALLOWED TO BE PLACED.

STIFFENING.

CRITERIA OF Ff = 25 AND FI = 20.

AS NECESSARY.

PLACE ALL REINFORCING IN ACCORDANCE WITH THE DETAILING STANDARDS OF

TO SUPPORT AND SECURE ALL REINFORCING ADEQUATELY.

PROVIDE CONCRETE COVER IN ACCORDANCE WITH ACI 318.

ACI 315. THE REINFORCING SUPPLIER SHALL PROVIDE ALL ACCESSORIES NEEDED

ALL BAR SPLICES SHALL BE LAP TYPE WITH A MINIMUM LAP OF 48 BAR DIAMETERS

THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR ALL STEEL REINFORCING

PLACEMENT. SHOP DRAWINGS ARE TO SHOW THE SIZE, LOCATION, LENGTH, AND

THE OWNER, AT HIS EXPENSE, SHALL RETAIN THE SERVICES OF AN INDEPENDENT

TESTING FIRM TO PERFORM FIELD TESTS OF THE CONCRETE. EACH TYPE OF CONCRETE USED SHALL BE TESTED EACH DAY WITH A MINIMUM OF ONE TEST FOR

EACH 50 CUBIC YARDS OF CONCRETE PLACED. EACH TEST SHALL CONSIST OF

THREE CYLINDERS, TAKEN AND TESTED IN ACCORDANCE WITH ASTM C39 FOR STRENGTH, ASTM C148 FOR SLUMP, AND ASTM C231 FOR AIR CONTENT. ANY

CONCRETE WHICH DOES NOT MEET THE REQUIREMENTS OF THE MIX DESIGN

AUTHORIZED BY A REPRESENTATIVE OF THE STRUCTURAL ENGINEER OF RECORD. THE AMOUNT OF ANY WATER ADDED SHALL BE RECORDED ON ALL COPIES OF THE

DELIVERY TICKET, CONCRETE WITH WATER ADDED IN THE FIELD SHALL HAVE AN

CONTRACTOR SHALL TIMELY COORDINATE WITH THE CONCRETE SUPPLIER TO

WITH EACH LOAD OF CONCRETE DELIVERED TO THE JOB SITE, THE READY MIX

SUPPLIER SHALL PROVIDE DUPLICATE DELIVERY TICKETS, ONE FOR THE

CONTRACTOR AND ONE FOR THE STRUCTURAL ENGINEER OF RECORD.

PROTECT ALL CONCRETE FROM PREMATURE DRYING AND WASH BY RAIN.

SLOPE THE FLOOR TO ANY DRAINS OR VALLEYS AS INDICATED ON THE ARCHITECTURAL PLANS. THE FINISHED SURFACE SHALL MEET THE FLATNESS

ALL CONCRETE FLOOR FINISHES SHALL BE COVERED WITH A LAYER OF 4 MIL

10. SAW CUTTING OF THE CONTROL JOINTS IS TO BE COMPLETED AFTER THE SLAB

ALL SLABS, AS NOTED ON THE STRUCTURAL DRAWINGS, SHALL RECEIVE AN

HAS BEEN COMPLETED WITHOUT THE JOINTS BEING FILLED PRIOR TO THE APPLICATION OF THE FLOOR HARDENER, THE CUTS MUST BE TEMPORARILY FILLED

WITH THE MANUFACTURER'S RECOMMENDATIONS.

CURING BY COVERING WITH A SCUFF-PROOF PAPER.

CONTAINING SNOW OR FROST.

REQUIREMENTS.

PLASTIC. THE COVERING SHALL BE PLACED AS SOON AS POSSIBLE WITHOUT

MARRING THE SURFACE AND SHALL BE LEFT IN-PLACE NOT LESS THAN SEVEN DAYS. THE COVERING SHALL BE SECURELY ANCHORED IN-PLACE WITH SAND

HAS HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT RAVELING, BUT

BEFORE RANDOM CRACKING OCCURS. INSTALL JOINT SEALANT IN ACCORDANCE

APPLICATION OF FLOOR HARDENER AND SEALER ONCE THE MOISTURE LEVEL IN THE SLAB MEETS THE MANUFACTURER'S RECOMMENDATIONS. IF SAW CUTTING

TO PREVENT SEALER FROM ENTERING THEM. AFTER THE HARDENER HAS BEEN APPLIED, ALL FLOOR SURFACES SHALL BE PROTECTED FROM MARRING DURING

DO NOT PLACE CONCRETE ON FROZEN GROUND, SNOW, OR FROST OR IN FORMS

VIBRATORS AT A MINIMUM OF 8000 VPM. THE CONTRACTOR IS TO PROTECT THE

SPECIAL INSPECTION SCHEDULE AND NOTES FOR INSPECTIONS, TESTING, AND SUBMITTAL

13. ALL CONCRETE IS TO BE COMPACTED DURING PLACEMENT WITH INTERNAL

SPECIAL INSPECTION IS NOT REQUIRED PER MN CODE CHAPTER 17. REFER TO THE

CONCRETE AGAINST SEGREGATION AND OVER-VIBRATION.

PLACED CONTINUOUSLY AROUND THE SLAB EDGES AND AT INTERMEDIATE POINTS

ALL CONCRETE FLOORS SHALL BE SCREEDED TO AN EVEN AND LEVEL PLANE.

THE ELEVATION WITHIN THE SLAB SHOWN ON THE DRAWINGS

OBTAIN A MODIFIED MIX SO THAT CONCRETE PLACEMENT IS COMPLETED PRIOR TO

SLABS-ON-GRADE ARE TO BE POURED IN A STRIP PATTERN WITH CONTROL JOINTS

AS INDICATED ON THE STRUCTURAL DRAWINGS. BEFORE PLACING CONCRETE,

THE CONTRACTOR SHALL THOROUGHLY WET THE GRAVEL OR SAND BASE AND

COMPACT IT TO A SOLID FIRM CONDITION. PLACE REINFORCING, IF REQUIRED, AT

FLOATED, AND GIVEN A TROWELED FINISH AS SPECIFIED IN ACI 310, SECTION 11.7.3.

ALL CONCRETE TEST REPORTS SHALL BE SUBMITTED TO THE OWNER. NO WATER SHALL BE ADDED TO THE CONCRETE IN THE FIELD UNLESS

ADDITIONAL MIXING OF 30 DRUM REVOLUTIONS BEFORE PLACEMENT CONCRETE SHALL BE DISCHARGED WITHIN 1.5 HOURS OF ITS BATCH TIME

ALLOWANCES FOR HOT WEATHER SHALL BE TAKEN AS REQUIRED. THE

TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO

G. THE BOTTOM PLATES OF ALL FIRST FLOOR NON-LOAD BEARING PARTITION WALL MAY BE ANCHORED USING #8 CONCRETE NAILS OR POWER-DRIVEN FASTENERS AT 32" ON CENTER H. NAIL AND/OR BOLT TOGETHER ALL LAMS OF MULTIPLE LVL BEAMS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SHEATHING SHALL BE AS FOLLOWS: 1. PLYWOOD WALL AND ROOF SHEATHING SHALL APA RATED EXPOSURE 1 COMPLYING WITH THE REQUIREMENTS OF U.S. PRODUCTS STANDARDS PS 1. SEE PLAN FOR THICKNESS AND RATING. 2. PLYWOOD USED IN CONCRETE FORMS SHALL BE APA RATED OR HIGH DENSITY EXTERIOR OVERLAY. THE THICKNESS OF THE PLYWOOD IS TO BE IN ACCORDANCE WITH THE APA DESIGN GUIDE "CONCRETE FORMING, V345". J. WOOD TRUSSES: WOOD TRUSSES ARE TO BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TRUSS PLATE INSTITUTE (TPI) THE TRUSS DESIGN AND SHOP DRAWINGS ARE TO BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. THE DESIGN AND SHOP DRAWINGS ARE TO BE SUBMITTED FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION. THE CALCULATIONS AND SHOP DRAWINGS ARE TO INCLUDE THE TRUSS LAYOUT AND DESIGN FOR EACH LOAD AND SPAN CONDITION. THE DRAWINGS SHALL ALSO INCLUDE THE TRUSS CONFIGURATIONS, WOOD GRADE, LOADING, MEMBER STRESSES, LIVE LOAD DEFLECTION, DEAD LOAD DEFLECTION, AND CAMBER REQUIREMENTS, IF ANY. ROOF TRUSSES SHALL BE LIMITED TO A DEFLECTION OF SPAN/240 AND SHALL BE CAMBERED FOR DEAD LOAD DEFLECTION. VAULTED ROOF TRUSSES SHALL LIMIT UNRESTRAINED HORIZONTAL DEFLECTION TO MINIMALLY AFFECT THE FINISHED MATERIALS-HANSON GROUP RECOMMENDS NO GREATER THAN 3/4". 5. LATERALLY BRACE ALL TRUSSES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN ON THE STRUCTURAL DRAWINGS. PROVIDE A SIMPSON OR EQUIVALENT HOLD DOWN ANCHOR AT EACH ROOF TRUSS BEARING POINT, UNLESS NOTED OTHERWISE.

GYPSUM MATERIAL SHALL BE A MINIMUM OF 1/2" THICK 4 FOOT BY EIGHT FOOT

ASTM C79. ALL BOARD EDGES AND ENDS SHALL BE SQUARE.

SHEATHING BOARD WITH A TREATED WATER RESISTANT CORE CONFORMING TO

A. ALL WOOD CONSTRUCTION IS TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH

NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS)

NAIL ALL WOOD MEMBERS IN ACCORDANCE CODE TABLE 2304.9.1, UNLESS NOTED

ALL WOOD MEMBERS SHALL BE AS FOLLOWS, IN ACCORDANCE WITH THE PROPERTIES OF

BEAMS AND COLUMNS SHALL BE SPRUCE-PINE-FIR (SPF) #2 GRADE OR BETTER LAMINATED VENEER LUMBER (LVL) SHALL BE 1.9E WITH Fb = 2600 PSI MINIMUM

GLULAM BEAMS, COLUMNS, AND OTHER MEMBERS SHALL BE 24F-V5, OUTER

EXTERIOR PLYWOOD AND THAT USED FOR FORMWORK SHALL BE EXTERIOR

WOOD MATERIALS BUILT INTO OR IN CONTACT WITH MASONRY, OR CONCRETE OR AS PART

GRADE OR SPECIAL FORM GRADE USING WATERPROOF GLUE

USE NON-CORROSIVE AND NON-STAINING HARDWARE AND FASTENERS FOR ALL

OF A ROOF CONSTRUCTION, SHALL HAVE ABOVE GROUND PRESSURE TREATMENT.

ALL BEAMS AND JOISTS NOT DIRECTLY BEARING ON SUPPORTING MEMBERS SHALL BE

BE ANCHORED TOP AND BOTTOM WITH A SIMPSON OR EQUIVALENT POST CAP/BASE.

CONNECTED WITH A SIMPSON OR EQUIVALENT FRAMING HANGER. ALL COLUMNS SHALL

SPECIES DOUGLAS FIR (DF) AND INNER SPECIES HEM FIR (HF) WITH Fb = 2400 PSI

1. STUDS, WAILS, BLOCKING, NAILERS, AND MISCELLANEOUS LUMBER SHALL BE

NATIONAL LUMBER AND BUILDING MATERIAL DEALERS ASSOCIATION (NLBMDA)

THE REQUIREMENTS OF THE CODE AND THE FOLLOWING:

WESTERN WOOD PRODUCTS ASSOCIATION

AMERICAN WOOD PRESERVERS ASSOC. (AWPA)

SPRUCE-PINE-FIR (SPF) STUD GRADE OR BETTER

AMERICAN PLYWOOD ASSOCIATION (APA)

APA - THE ENGINEERED WOOD ASSOC.

US PRODUCTS STANDARD PS 20

OTHERWISE ON THE STRUCTURAL DRAWINGS.

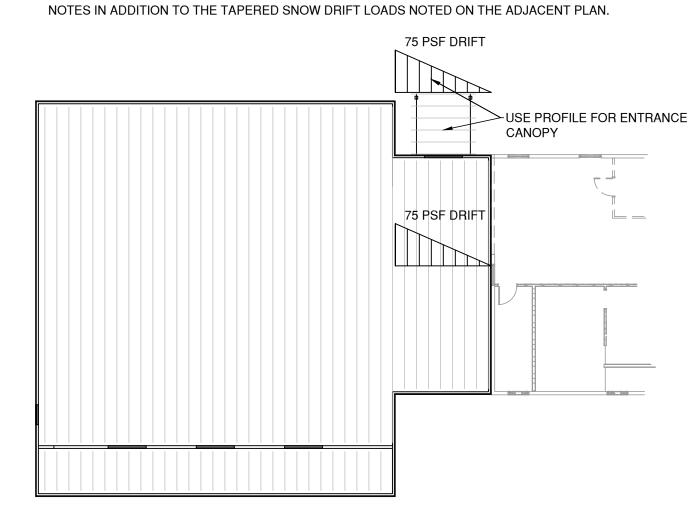
AND E = 1,500,000 PSI MINIMUM

EXTERIOR APPLICATIONS.

K. GYPSUM SHEATHING:

# SNOW DRIFT LOAD PLAN NOTES:

1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION AND ROOF SNOW & DEAD 2. TRUSS SUPPLIER IS TO DESIGN TRUSSES FOR UNIFORM LOADS INDICATED ON THE GENERAL



ROOF DRIFT LOAD DIAGRAM SCALE: 1/6" = 1'-0"

#### LAYOUT LEGEND:

- SLAB CONTROL JOINT - SEE DETAIL 2/S2 T.O.S. — TOP OF SLAB T.O.F. — TOP OF FOOTING T.O.P. — TOP OF PEDASTAL WWF - WELDED WIRE FABRIC E.W. — EACH WAY T.O.W. — TOP OF WALL BRG. — BEARING ELEVATION CONT. - CONTINUOUS SIM. – SIMILAR TYP. – TYPICAL U.N.O. - UNLESS NOTED OTHERWISE W/O - WITHOUT DO. - DO OVER / DITTO O.C. — ON CENTER NS - NEAR SIDE FS - FAR SIDE

DRAWING LIST	
DESCRIPTION	DWG. NO.
GENERAL NOTES & SCHEDULES	S1
FOUNDATION PLAN & DETAILS	S2
ROOF FRAMING PLAN & DETAILS	S3

# REQUIRED SPECIAL INSPECTIONS

IN ADDITION TO THE REGULAR INSPECTIONS. THE FOLLOWING CHECKED ITEMS WILL ALSO REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE

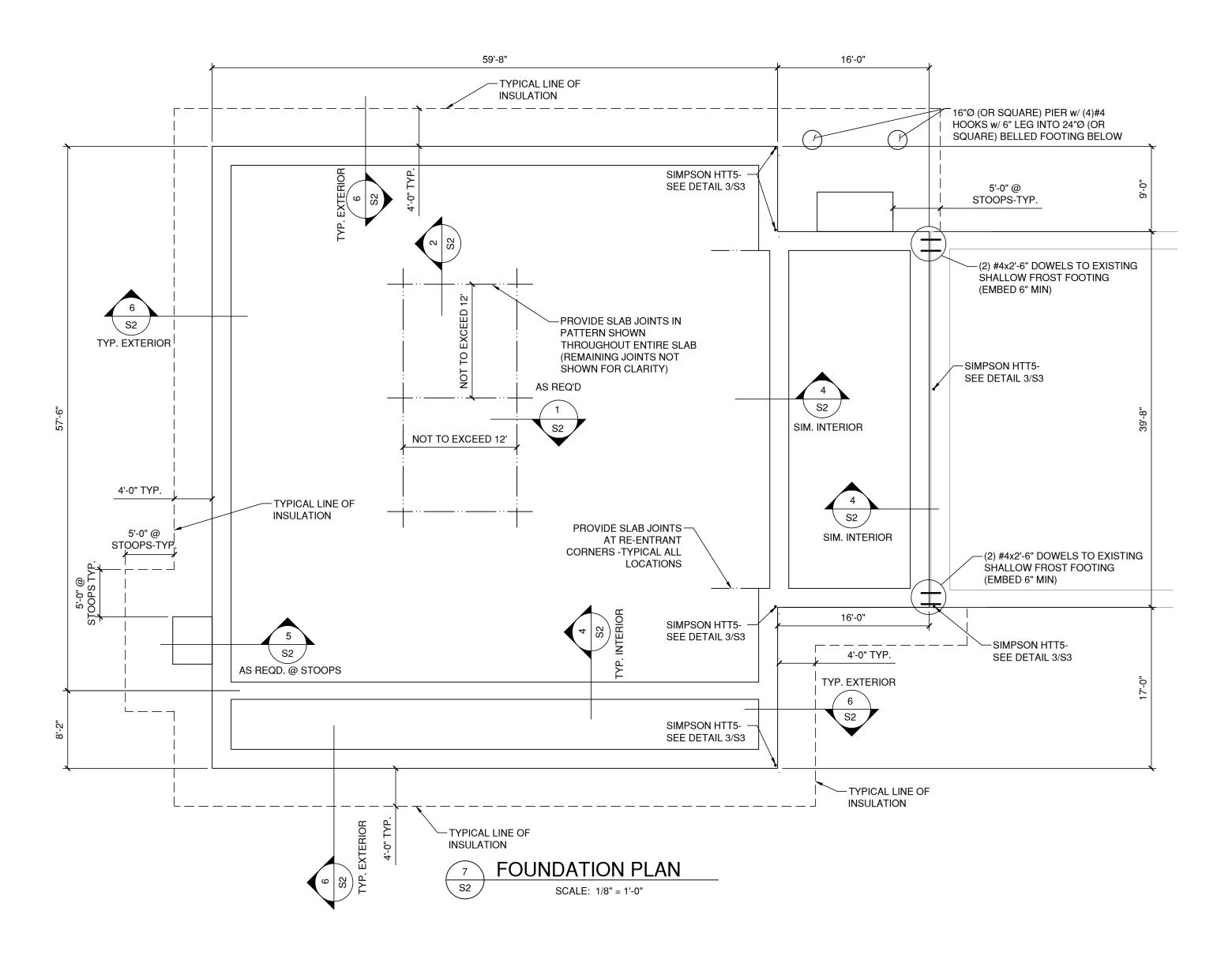
	INTERNATIONAL BUILDING CODE.										
TECH	NICAL	DESCRIPTION	TYPE OF INSPECTOR	REPORT							
SECTION	ARTICAL	DESCRIPTION	TTPE OF INSPECTOR	FREQUENCY							
1705	6	SOILS	TESTING AGENCY	PERIODIC							

Hawk project number: 20-1827

revisions: date:

drawn by: NGH checked by: TA 0.019

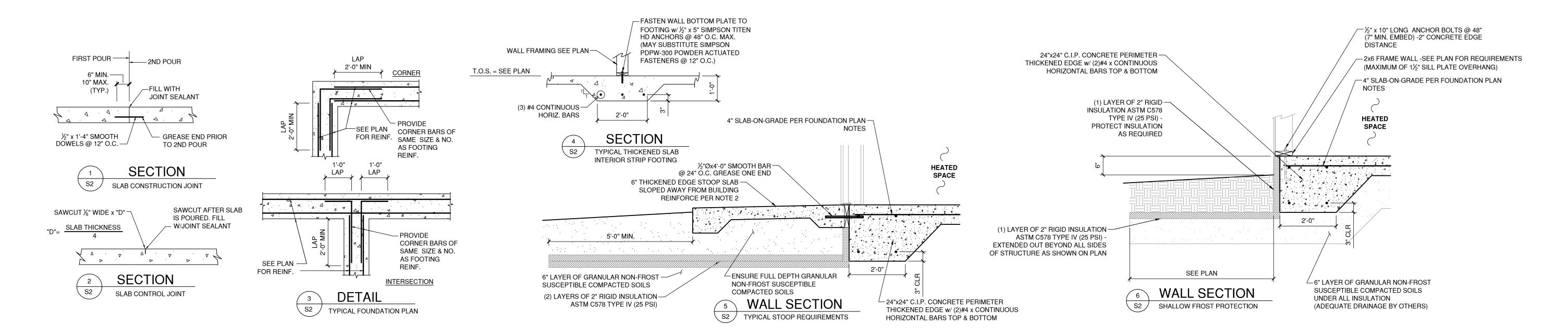
**GENERAL NOTES** & SCHEDULES



#### FOUNDATION LAYOUT NOTES:

- 1. FINISHED FLOOR ELEVATION = 100'-0" = DATUM ELEVATION.
- FLOOR SLAB IS 4" THICK SLAB-ON-GRADE WITH 6x6-W2.1xW2.1 WELDED WIRE FABRIC OR #4 REINFORCING BARS @ 24" O.C. EACH WAY. PROVIDE 6 MIL VAPOR BARRIER PER ONE OF THE FOLLOWING THREE OPTIONS.
- A. IF THE CONCRETE FLOOR SLAB IS POURED AFTER THE ROOF IS INSTALLED, THE VAPOR BARRIER MAY BE INSTALLED BELOW THE SAND CUSHION AND THE SLAB CHEMICALLY CURED.
- B. IF THE CONCRETE FLOOR SLAB IS POURED AFTER THE ROOF IS INSTALLED, THE VAPOR BARRIER MAY BE INSTALLED BETWEEN THE SLAB AND THE SAND CUSHION AND THE SLAB POLY CURED.
- C. IF THE CONCRETE FLOOR SLAB IS POURED BEFORE THE ROOF IS INSTALLED, THE VAPOR BARRIER SHALL BE INSTALLED BETWEEN THE SLAB AND THE SAND CUSHION AND THE SLAB POLY CURED.
- 3. SEE 3/S2 FOR FOOTING REBAR REQUIREMENTS AT CORNERS AND INTERSECTIONS.
- 4. VERIFY LOCATION AND SIZE OF ALL OPENINGS AND
- STOOPS WITH ARCH.

  5. INSTALL A MINIMUM OF (2) ANCHORS PER PORTION OF SILL PLATE AS WELL AS AN ANCHOR WITHIN 12" OF EACH FND.





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Plymouth, MN 55441
Tel 612-708-3572

Lake Community Cer 59979 County Rd 4 S. Lake, MN

Hawk project number: 20-1827

revisions:

date:

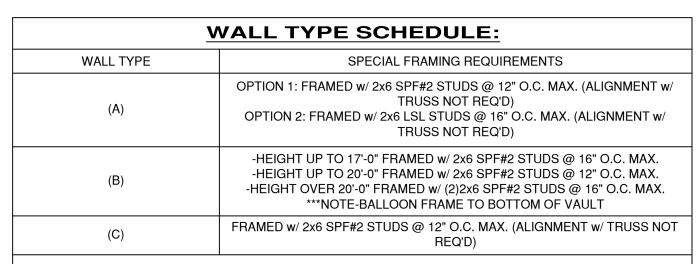
drawn by: NGH
checked by: TA
0.019

sheet title FOUNDATION PLAN & DETAILS

sheet number

S2

2 of 3



REQUIREMENTS IN THIS TABLE SUPERCEDE THE TYPICAL WALL FRAMING REQUIREMENTS LISTED IN THE FRAMING NOTES. REFER TO FRAMING NOTES FOR THE REMAINING FRAMING REQUIREMENTS.

	HEADER SCHEDULE:											
MARK	SIZE	BEARING EACH END	KING STUDS EACH END									
H-1	(2) 2x10	(1) 2x6	(2) 2x6									
H-2	(2) 1¾" x 9½" LVL	(2) 2x6	(1) 2x6									
	HEADER BEARING SEE DETAIL 7/S3											

#### **ROOF FRAMING PLAN NOTES:**

- 1. EXTERIOR WALL FRAMING IS TO BE 2x6 STUDS @ 16" O.C. UNLESS NOTED OTHERWISE w/  $\frac{7}{16}$ " MIN. PLYWOOD/OSB SHEATHING FASTENED w/ 8d NAILS @ 6" O.C. AT PANEL EDGES & 12" O.C. AT INTERIOR SUPPORTS.
- 2. 2x6 INTERIOR BRG. WALL FRAMING IS TO BE 2x6 STUDS @ 16" O.C. UNLESS NOTED OTHERWISE w/ 1/8" MIN. GYPSUM SHEATHING EACH SIDE FASTENED TO FRAMING w/ 6d COOLER NAILS OR TYPE S/W WALLBOARD SCREWS @ 8" O.C. MAX. (\%" MINIMUM STUD
- 3. ROOF SHEATHING IS TO BE ½" STRUCTURAL PANEL SHEATHING w/ 8d NAILS @ 6" O.C AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS OR 1¾" 16 GAUGE STAPLES @ 3"/6"
- 4. ALONG LENGTH OF WALLS, LAP WALL TOP PLATES A MINIMUM OF 24" AND FASTEN TOGETHER WITH (8) 16d NAILS IN LAP ZONE. AT CORNERS AND INTERSECTIONS, LAP PLATES
- AND PROVIDE (2) 10d FACE NAILS.

FULL DEPTH 2x BLOCKING -MEMBERS BETWEEN

2x4 OR 2x6 OUTLOOK —

MEMBERS @ 24" O.C.

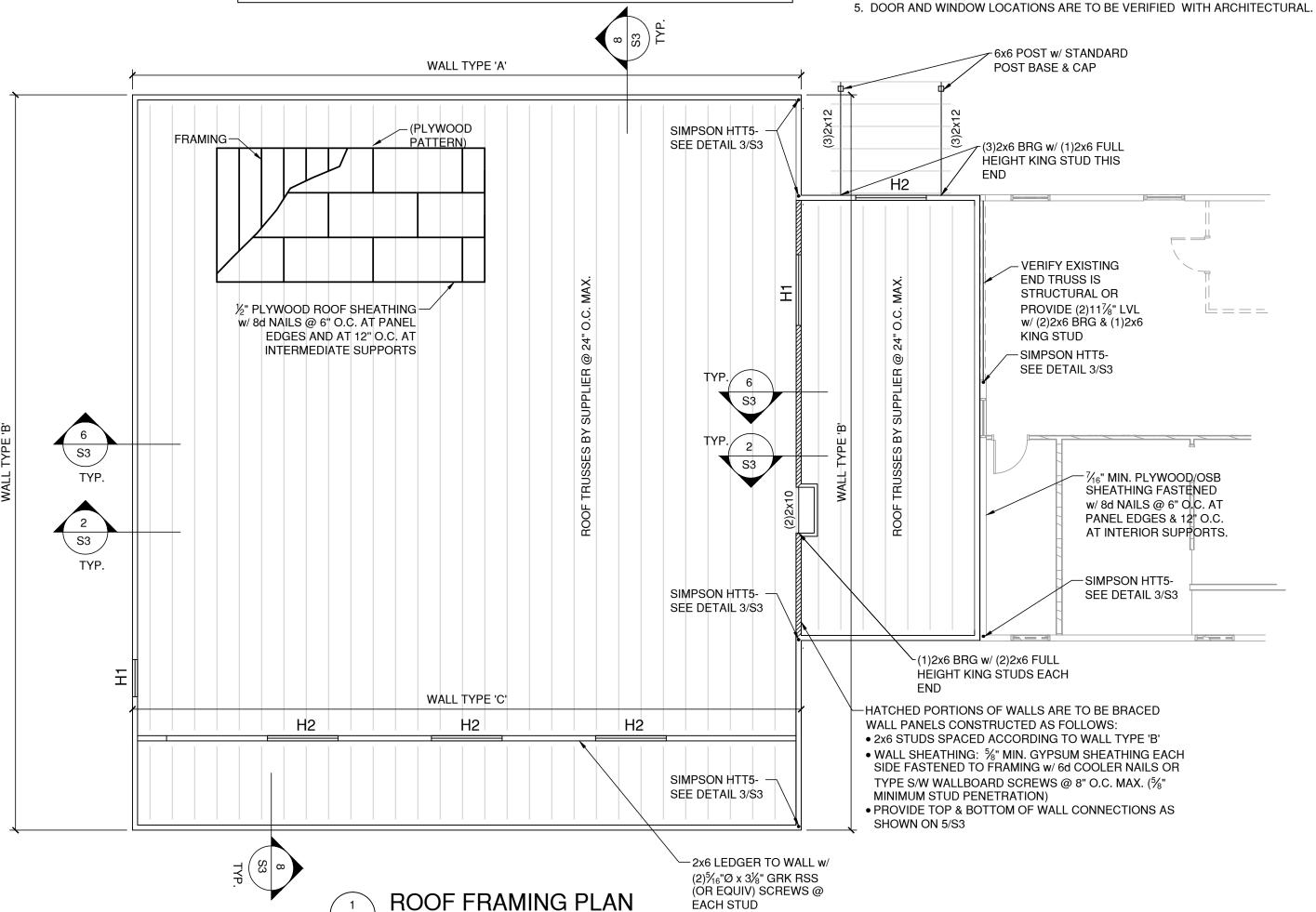
ROOF TRUSSES -

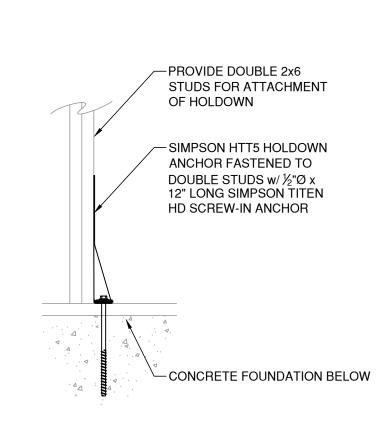
BY SUPPLIER

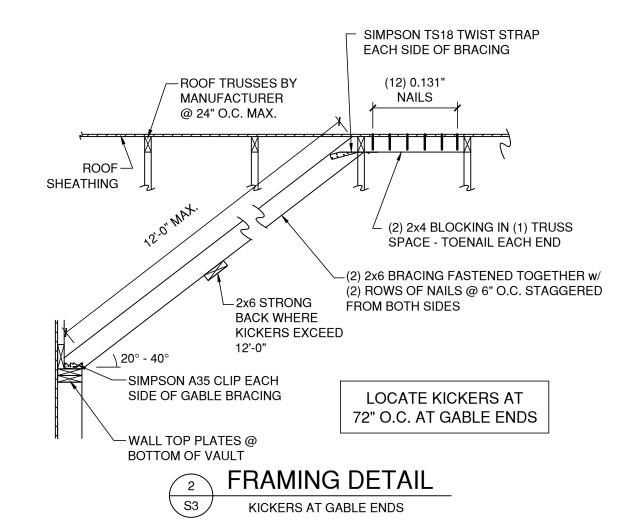
**SECTION** 

TYPICAL ROOF TRUSS

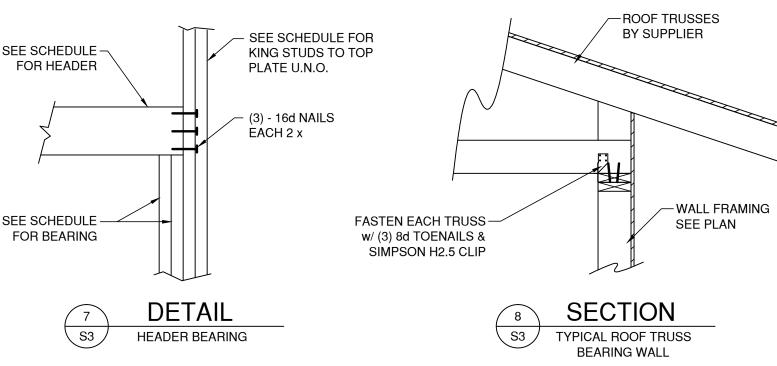
NON-BEARING WALL

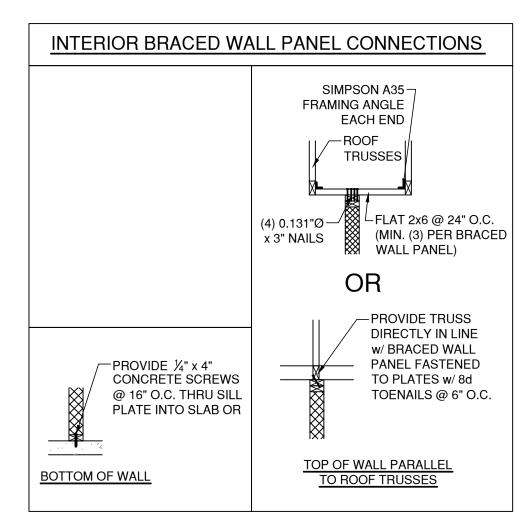






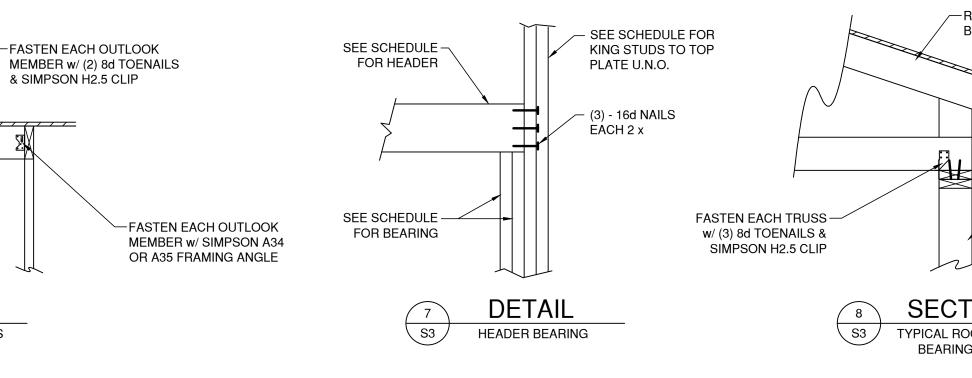






SCALE: 1/8" = 1'-0"







county Rd 2 S. Lake, MN

Hawk project number: 20-1827

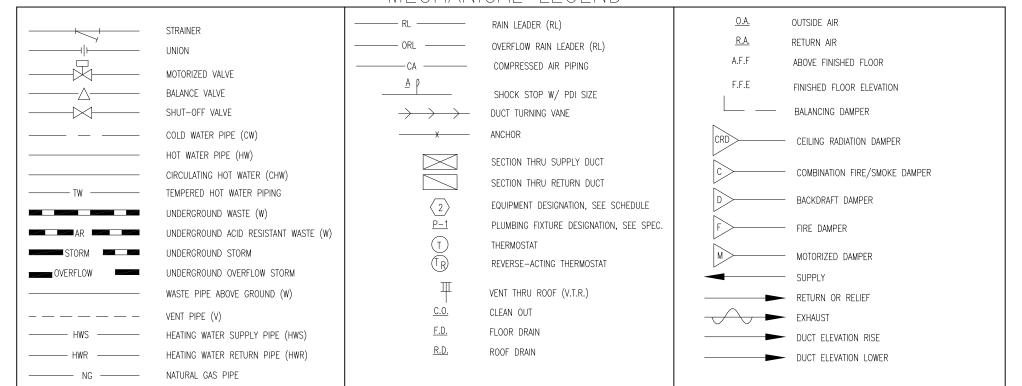
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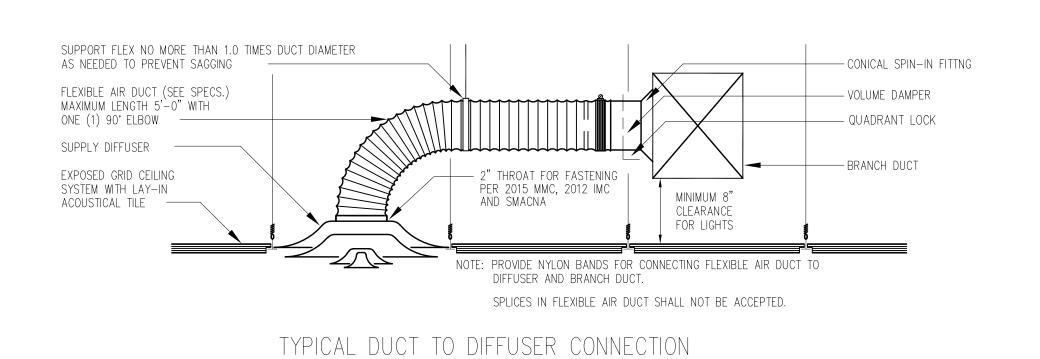
**ROOF FRAMING** PLAN & DETAILS

# EQUIPMENT SCHEDULE

Š.			M=	=MECH O=	OTHERS	MANUICACTURED 00	CAPACITY			MOTOR		M=MECH E=ELEC	BY ECT C.	.; W.:	:		Š.
EQUIP.	LOCATION	DESCRIPTION	QUANTI	BY INSTALL BY CONNECT	BY RELOCATE BY	MANUFACTURER & MODEL NO.	CAPACITI	MECH.	MECHANICAL REMARKS	H.P.	ø ø	STARTER	PROVIDED (FUSED) DISCONNI BY ELE	WIRE BY ELEC. GRD. WIRE BY ELEC.	CONDUIT BY ELEC	ELECTRICAL REMARKS	EQUIP.
	SEE PLANS	FURNACE W/COIL		м М М		LENNOX MODEL# EL296UH135XE60D COIL MODEL# C35-60D-2F	HEATING: 132,000 BTUH INPUT/ 127,000 BTUH OUTPUT 1,532 CFM @ 0.50" ESP - 200 O.A. 5 TON COOLING	20/24 SUPPLY DUCT 24/14 RETURN DUCT 3"Ø IN. AND EX. 3/4" GAS R.L. & R.SSEE PLANS	INSTALL PER MANUFACTURER'S RECCOMENDATIONS.  ROUTE CONDENSATE TO NEAREST CONDENSATE PUMP OR FLOOR DRAIN.  CONNECTED TO $\bigcirc$ & $\bigcirc$ 3	10.9 A 12C	0 1	W/UNIT	MOTOR SENTINEL	12 12	1/2	INSTALL PER MANUFACTURERS RECOMMENDATION.  WIRE UP WITH EQUIPMENT NUMBER $(2)$ & $(3)$	
2	SITE	CONDENSING UNIT	3 M	М М М	1/E	LENNOX MODEL# ML14ACX1-060	5 TON COOLING	R.L. & R.S.—SEE PLANS	PROVIDE AND INSTALL ON 4" CONCRETE PAD. INSTALL PER MANUFACTURER'S RECCOMENDATIONS. CONNECTED TO 1	34.8 MCA 240	0 1	W/UNIT	60A-2P FUSED @ 50A	8 10	3/4	INSTALL PER MANUFACTURERS RECOMMENDATION.  WIRE UP WITH EQUIPMENT NUMBER (1)	$\langle 2 \rangle$
3	SEE PLANS	AIR-TO-AIIR EXCHANGER	2 N	И М М	1/E	RENEWAIRE MODEL# HE1X1NH	600 CFM @ 1.25" E.S.P.	12"ø R.A./O.A. 12"ø E.A./f.A.	HANG UNIT FROM STRUCTURE AS HIGH AS POSSIBLE. ROUTE CONDENSATE TO NEAREST CONDENSATE PUMP OR FLOOR DRAIN. INSTALL PER MANUFACTURERS RECOMMENDATION.	3/4 HP 240	0 1	W/UNIT	30A-2P FUSED @ 20A	12 12	1/2	INSTALL PER MANUFACTURERS RECOMMENDATION.	3
4	ROOM 102 JAN/STORAGE	CEILING EXHAUST FAN	1 N	И М М	1/E	GREENHECK MODEL# SP-B80	50 CFM @ .375" E.S.P.	4"Ø DUCT	SEAL PENETRATION THRU WALL WEATHERTIGHT. PROVIDE AND INSTALL UNIT SUPPORTS, VIBRATION ISOLATORS AND BACKDRAFT DAMPER. INSTALL PER MANUFACTURERS RECOMMENDATION.	54.3 W 120	0 1	W/UNIT	PLUG	12 12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. WIRE UP WITH LIGHTS.	4
(5)	ROOM 103 & 107 MENS/WOMENS	HAND DRYER	4 E	E	E	XLERATOR MODEL# XL-W				-1400W 12C	) 1	W/UNIT	JUNCTION BOX	12 12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	(5)
6	ROOM 104 HALL/LOCKERS	SAUNA	1 0	E	Е	ALEKO HEMLOCK INDOOR SAUNA MODEL# STI6HEM-AP				<b>-</b> 8KW 240	0 1	W/UNIT	60A-2P FUSED @ 50A	8 10	3/4	WIRE UP CONTROL PANEL AND LIGHTS.	6
$\overline{\langle 7 \rangle}$	ROOM 109 MECHANICAL ROOM	PRESSURE TANK	1 M	M	М	WELL X-TROL MODEL #WX-350	119.0 GALLON VOLUME 0.39 ACCEPTANCE FACTOR	1-1/2" C.W.	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.								<b>-</b>
(8)	ROOM 109 MECHANICAL ROOM	WATER HEATER	1 N	И М М	1/E	AO SMITH MODEL #BTH-199	199.9 MBH INPUT 100 GALLON STORAGE 261 GPH @ 90 DEGREE RISE	1-1/4" C.W. & H.W. 3"ø IN. & EX. 3/4" GAS 3/4" RELIEF	PIPE RELIEF TO 6" A.F.F. INTAKE AND EX. AS PER MANUFACTURER W/ TERMINATION KIT. INSTALL ON 4" CONCRETE PAD BY MECHANICAL CONTRACTOR.	500 W 120	0 1	W/UNIT	30A-1P FUSED @ 20A	12 12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	(8)
9	ROOM 109 MECHANICAL ROOM	RECIRCULATING PUMP	1 N	и ММ	1/E	B&G MODEL #NBF-22	10 GPM @ 8' T.D.H.	3/4" C.H.W.	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. INSTALL INLINE PER DETAIL.	92 W 120	0 1	W/UNIT	30A-1P FUSED @ 20A	12 12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	9
$\langle 10 \rangle$	SEE PLANS	CONDENSATE PUMP	2 N	и и и	1/E	LITTLE GIANT MODEL #VCMA-20ULS	0.5 GPM @ 20' T.D.H.	3/4" PIPE	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ROUTE DISCHARGE PIPING TO NEAREST JANITOR SINK.	1/30HP 120	0 1	W/UNIT	PLUG	12 12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	$\left  \begin{array}{c} 10 \end{array} \right $
(1 1)	SEE PLANS	ELECTRIC DUCT COIL	2 N	И М М	1/E	THERMOLEC MODEL #TER-12-8-240	8KW	12"ø DUCT	INSTALL PER MANUFACTURER'S RECOMMENDATIONS WITH SCR CONTROL.	8 KW 240	0 1	W/UNIT	60A-2P FUSED @ 50A	8 10	3/4	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	(11)
(12)	SEE PLANS	ELECTRIC CAB HEATER	3 E	E E (	E	QMARK MODEL #LFQ-304	3 KW			3 KW 240	0 1	W/UNIT	BRKR	12 12	1/2	PROVIDE AND INSTALL WITH SEMI-RECESSED MOUNTING FRAME AND INTEGRAL T-STAT.	(12)
(13)	SEE PLANS	ELECTRIC CEILING HEATER	1 E	E E E	E	QMARK MODEL #EFF4007	3 KW			_ 3 KW 240	0 1	W/UNIT	BRKR	12 12	1/2	PROVIDE AND INSTALL WITH T-BAR KIT. WIRE UP WITH WALL THERMOSTAT.	(13)

# MECHANICAL LEGEND





SCALE: NONE



project no: 20-1827



The Design Group, Inc. 331 6th Avenue SW Chisholm, MN 55719

> PH: 218.262.1959 FX: 218.262.1976



revisions:	
	date:
FINAL CD'S	03-09-20
drawn by: TDG	·
designed by: TD0	G

checked by: OWM date: 00-00-2020

MECHANICAL ELECTRICAL PLUMBING EQUIPMENT SCHEDULE

OTE:
HOR DRAWINGS SHALL BE CLEARLY IDENTIFIED AS TO REPTIMENT FOLIBMENT NO [X]

EQUIP	LOCATION	DESCRIPTION	QUANTITY QUANTITY QUANTITY QUANTITY	BY CONNECT CONNECT BY BY CONNECT BY BY RELOCATE	MANUFACTURER & MODEL NO.	CAPACITY	MECH. CONN.	MECHANICAL REMARKS	MOTOR H.P. 100	M=MECH E=ELEC STARTER	(FUSED) VISCONNECT BY ELEC.	WIRE BY ELEC. GRD. WIRE BY ELEC. CONDUIT BY ELEC.	ELECTRICAL REMARKS	QUIP. NO.
1	ROOM# A105 KITCHEN	DRY STORAGE SHELVING												
2	ROOM# A105 KITCHEN	WORK TABLE	1 -											2
3	ROOM# A105 KITCHEN	MICROWAVE OVEN W/	1 (	) 0 0/E					13.0A 120 1		PLUG	12 12 1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.	3
4	ROOM# A105 KITCHEN	SHELF  ELECTRIC RANGE	1 0	) O O/E					70.8A 240 1	W/UNIT -	100A-2P FUSED @ 80A	4 8 1-1/4	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.	4
5	ROOM# A105 KITCHEN	SPARE NUMBER												5
6	ROOM# A105 KITCHEN	HOOD CONTROL TOUCH SCREEN	1 (	) O E									INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES. WIRE UP CAT 5 CONTROL WIRING.	6
7	ROOM# A105 KITCHEN	FLAT STAINLESS STEEL WALL PANEL	1 -											7
8	ROOM# A105 KITCHEN	COOKING EXHAUST HOOD	1 0	) M M/E	CAPTIVAIRE MODEL# 5424 ND-2-PSP-F	900 CFM @ 0.734" S.P.	SEE PLANS	INSTALL PER MANUFACTURERS RECOMMENDATIONS.	15.0A 120 1	W/UNIT -	30A-1P FUSED @ 20A	12 12 1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES. WIRE UP HOOD & DUCT SENSOR.	8
9	ROOM# A105 KITCHEN	PERFORATED SUPPLY PLENUM	1 (	) O M			SEE PLANS	INSTALL PER MANUFACTURERS RECOMMENDATIONS.						9
10	ROOM# A105 KITCHEN	SPARE NUMBER												10
11	ROOM# A105 KITCHEN	HOOD CONTROL PANEL	1 (	) O E					15.0A 120 1	W/UNIT -	30A-1P FUSED @ 20A	12 12 1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES. WIRE UP PANEL CONTROL.	11
12	ROOM# A105 KITCHEN	FIRE PROTECTION SYSTEM	1 (	) O E					15.0A 120 1	W/UNIT	30A-1P FUSED @ 20A	12 12 1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES. WIRE UP FIRE PROTECTION SYSTEM.	12
13	ROOM# A105 KITCHEN	WORK TABLE	1											13
14	ROOM# A105 KITCHEN	TWO SECTION REFRIG, REACH IN	1 (	) O O/E					6.5A 120 1		PLUG	12 12 1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.	14
15	ROOM# A105 KITCHEN	SPARE NUMBER												15
16	ROOM# A105 KITCHEN	PREP SINK	1 (	)   0   M			SEE FOOD SERVICE PLANS FOR CONNECTIONS.	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.						16
17	ROOM# A105 KITCHEN	WALL CABINET	1											17
18	ROOM# A105 KITCHEN	WALL CABINET	2											18
19	ROOM# A105 KITCHEN	3 COMPARTMENT SINK	1 (	) O M			SEE FOOD SERVICE PLANS FOR CONNECTIONS.	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.						19
20	ROOM# A105 KITCHEN	SPARE NUMBER												20
21	ROOM# A105 KITCHEN	NOT USED												21
22	ROOM# A105 KITCHEN	EXISTING PASS THRU	1											22
23	ROOM# A105 KITCHEN	HAND SINK	1 (	) O M			SEE FOOD SERVICE PLANS FOR CONNECTIONS.	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.						23
24	ROOM# A105 KITCHEN	WORK TABLE (WITH RECEPTACLE)	1 (	0 0/E					20.0A 120 1			12 12 1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.	24
25	ROOM# A105 KITCHEN	SPARE NUMBER												25
26	ROOM# A105 KITCHEN	EXISTING PASS THRU	1											26



# LANE IITY CENTER

project no: 20-1827



The Design Group, Inc. 331 6th Avenue SW Chisholm, MN 55719

> PH: 218.262.1959 FX: 218.262.1976



	date:							
FINAL CD'S	03-09-20							
drawn by: TDG								
designed by: TDG								
checked by: OWM								

date: 00-00-2020

revisions:

KITCHEN
MECHANICAL
ELECTRICAL
PLUMBING
EQUIPMENT
SCHEDULE

SHO	SHOP DRAWINGS SHALL BE CLEARLY IDENTIFIED AS TO PERTINENT EQUIPMENT NO. X												
EQUIP. NO.	LOCATION	DESCRIPTION		INSTALL DATE CONNECT BY	TIT MANUFACTURER &	CAPACITY	MECH. CONN.	MECHANICAL REMARKS	MOTOR H.P.	PROVIDED BY ELEC.	WIRE BY ELEC. GRD. WIRE BY ELEC. CONDUIT	ELECTRICAL REMARKS	EQUIP. NO.
27	ROOM# A105 KITCHEN	WORK TABLE WITH PASS THRU	1										27
28	ROOM# A105 KITCHEN	ROOM TEMPERATURE SENSOR	1 0	0 E								INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES. WIRE UP ROOM TEMPERATURE SENSOR W/ 11	28
29	ROOM# A105 KITCHEN	MAKE UP AIR UNIT	1 0	M M/E	CAPTIVAIRE MODEL# D76	100.6 MBH INPUT 92.5 MBH OUTPUT 900 CFM @ 0.5" E.S.P.	9/10 DUCT 3/4" GAS	PROVIDE AND INSTALL ON 24" CURB ON 4" CONCRETE PAD. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	8.2 240 MCA 240	1 NEMA 0 E 30A-2P FUSED @ 20A	12 12 1/	2 INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.	29
30	SITE	SPARE NUMBER											30
31	SITE	MAKE UP AIR UNIT CURB	1 0	MM									31
32	SITE	ROOF TOP EXHAUST FAN	1 0	M M/E	CAPTIVAIRE MODEL# DU85HFA	900 CFM @ 1.25 E.S.P.	SEE PLANS	PROVIDE AND INSTALL UNIT SUPPORTS, VIBRATION ISOLATORS AND BACKDRAFT DAMPER AND ROOF CURB INSTALL PER MANUFACTURERS RECOMMENDATIONS.	3/4 240 HP	1 NEMA 0 E 30A-2P FUSED @ 20A	12 12 1/	2 INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE FOOD SERVICE PLANS FOR NOTES.	32
33	SITE	ROOF TOP EXHAUST FAN CURB	1 0	M M									33



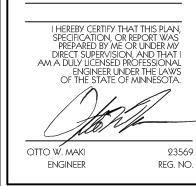
S. LAKE COMMUNITY CENTER

project no: 20-1827



The Design Group, Inc. 331 6th Avenue SW Chisholm, MN 55719

> PH: 218.262.1959 FX: 218.262.1976



revisions:							
	date:						
FINAL CD'S	03-09-20						
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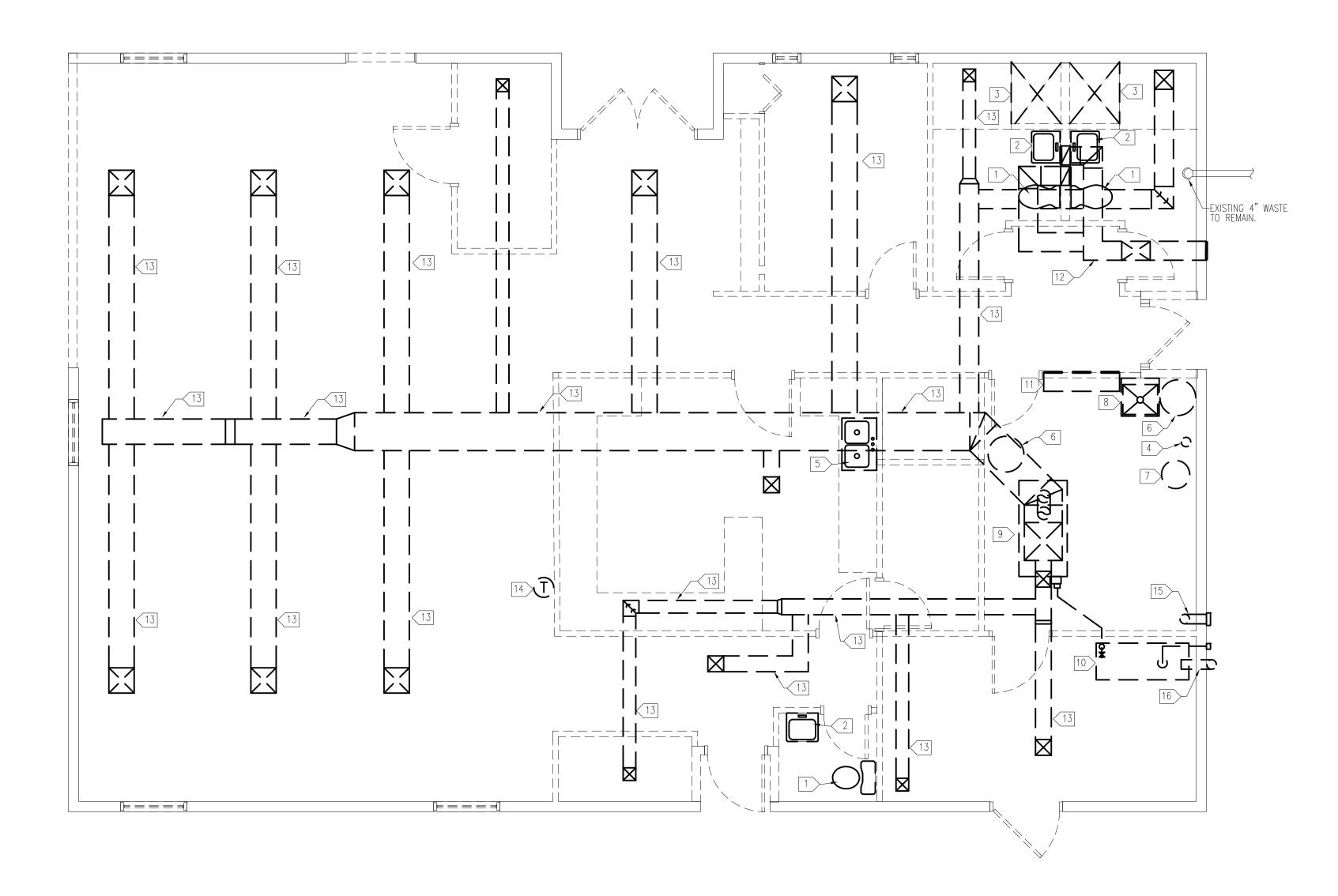
date: 00-00-2020
sheet

KITCHEN
MECHANICAL
ELECTRICAL
PLUMBING
EQUIPMENT
SCHEDULE

checked by: OWM

mep 13

DASHED LINES INDICATE SYSTEMS AND EQUIPMENT TO BE DISCONNECTED AND AND REMOVED ENTIRELY. SOLID LINES INDICATE SYSTEMS AND EQUIPMENT TO REMAIN. VERIFY LOCATIONS.



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



#### GENERAL NOTES:

- 1. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES IN ORDER TO AVOID ALL INTERFERENCE.
- CONTRACTOR SHALL VERIFY ALL EXISTING SIZES, FUNCTIONS, LOCATIONS AND CONDITIONS PRIOR
- CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS AND/OR APPURTENANCES FOR THE COMPLETE INSTALLATION, OPERATION AND CONNECTION OF THE EQUIPMENT SHOWN
- 4. ALL MATERIALS REMOVED BY THIS CONTRACTOR SHALL BE REVIEWED BY THE OWNER. MATERIAL NOT WANTED BY THE OWNER SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES. MATERIAL THE OWNER ELECTS TO KEEP, SHALL BE STORED BY THE OWNER. THIS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING EQUIPMENT, PIPING, DUCTS, ETC. AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO COMPLETE THE WORK, AND CAP OFF PIPING OR DUCTS AIRTIGHT THAT ARE NOT TO BE REUSED UNDER OR BEHIND FINISHED SYSTEM. CONCEALED ITEMS NOT TO BE REUSED MAY BE ABANDONED IF DISCONNECTED FROM THE SYSTEM.
- CONTRACTOR SHALL INSTALL EQUIPMENT, PIPING AND DUCTWORK IN SUCH A MANNER AS TO AVOID ALL INTERFERENCE WITH THE NEW AND EXISTING EQUIPMENT AND SYSTEMS.
- WALLS, AND/OR CEILINGS SHALL BE PATCHED TO MATCH THE EXISTING CONDITIONS BY THE MECHANICAL CONTRACTOR.
- ALL TEMPERATURE CONTROL LINES SHALL BE CAPPED OFF AIRTIGHT TO MAINTAIN PROPER OPERATION OF THE EXISTING TEMPERATURE CONTROL SYSTEM WHEN REMOVING EXISTING
- SEE ARCHITECTURAL PLANS FOR FIRE RATED PARTITIONS.
  MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING ALL NEW PENETRATIONS
  OF FLOORS, WALLS AND CEILINGS (NEW AND EXISTING CONSTRUCTION) WHERE NEW PIPING AND DUCTWORK PASS THROUGH FIRE RATED PARTITIONS. REFER TO SPECIFICATION SECTION "FIRE STOPPING".
- 9. ALL OPENINGS AND PENETRATIONS REQUIRED FOR INSTALLATIONS SHOWN ON THE DRAWINGS SHALL BE BY THIS CONTRACTOR, PATCH AND PAINT TO MATCH EXISTING.

#### MECHANICAL DEMOLITION NOTES (THIS SHEET):

- 1 > CONTRACTOR TO DISCONNECT AND REMOVE EXISTING WATER CLOSET AND ALL RELATED APPURTENANCES. CAP AND ABANDON WASTE, VENT AND C.W. PIPING BEHIND FINISHED SURFACE. PATCH TO MATCH EXISTING. REMOVE ALL UNUSED PIPING. FIELD VERIFY.
- 2 CONTRACTOR TO DISCONNECT AND REMOVE EXISTING LAVATORY AND ALL RELATED APPURTENANCES. CAP AND ABANDON WASTE, VENT, C.W. & H.W. PIPING BEHIND FINISHED SURFACE. PATCH TO MATCH EXISTING. REMOVE ALL UNUSED PIPING. FIELD VERIFY.
- 3 > CONTRACTOR TO DISCONNECT AND REMOVE EXISTING SHOWER AND ALL RELATED APPURTENANCES. CAP AND ABANDON WASTE, VENT, C.W. & H.W. PIPING BEHIND FINISHED SURFACE. PATCH TO MATCH EXISTING. REMOVE ALL UNUSED PIPING. FIELD VERIFY.
- 4 > CONTRACTOR TO DISCONNECT, REMOVE AND REINSTALL WATER SERVICE TO NEW LOCATION. MODIFY AND EXTEND PIPING AS NECESSARY FOR NEW CONNECTION. SEE SHEET P1.2 FOR NEW WATER SERVICE LOCATION, PRESSURE TANK AND ALL RELATED APPURTENANCES, PATCH TO MATCH EXISTING. REMOVE ALL UNUSED PIPING. FIELD VERIFY.
- 5 > CONTRACTOR TO DISCONNECT AND REMOVE EXISTING SINK AND ALL RELATED APPURTENANCES. CAP AND ABANDON WASTE, VENT, C.W. & H.W. PIPING BEHIND FINISHED SURFACE. PATCH TO MATCH EXISTING. REMOVE ALL UNUSED PIPING. FIELD VERIFY.
- 6 > CONTRACTOR TO DISCONNECT AND REMOVE EXISTING WATER HEATER AND ALL RELATED APPURTENANCES. CAP AND ABANDON C.W. & H.W. PIPING BEHIND FINISHED SURFACE. PATCH TO MATCH EXISTING. REMOVE ALL UNUSED
- 7 > CONTRACTOR TO DISCONNECT AND REMOVE EXISTING WATER PRESSURE TANK AND ALL RELATED APPURTENANCES. CAP AND ABANDON C.W. PIPING BEHIND FINISHED SURFACE. PATCH TO MATCH EXISTING. REMOVE ALL UNUSED
- 8 > CONTRACTOR TO DISCONNECT AND REMOVE EXISTING MOP SINK AND ALL RELATED APPURTENANCES. CAP AND ABANDON WASTE, VENT, C.W. & H.W. PIPING BEHIND FINISHED SURFACE. PATCH TO MATCH EXISTING. REMOVE ALL UNUSED PIPING. FIELD VERIFY.
- 9 > CONTRACTOR TO DISCONNECT AND REMOVE EXISTING FUEL OIL FURNACE, PIPING, CHIMNEY AND ALL RELATED APPURTENANCES. PATCH ROOF TO MATCH EXISTING. FIELD VERIFY.
- CONTRACTOR TO DISCONNECT AND REMOVE EXISTING FUEL OIL TANK, PIPING, VENT, AND ALL RELATED APPURTENANCES. CAP PIPING BELOW FINISHED SURFACE. PATCH TO MATCH EXISTING. REMOVE ALL EXPOSED PIPING. CAP VENT PENETRATION THROUGH WALL WITH INSULATED METAL PANEL. PATCH TO MATCH EXISTING. FIELD VERIFY.
- [11] CONTRACTOR TO DISCONNECT AND REMOVE EXISTING RETURN AIR GRILLE AND DUCTWORK.
- 12 CONTRACTOR TO DISCONNECT AND REMOVE EXISTING IN-LINE EXHAUST FAN, LOUVER, DUCTWORK, GRILLES AND ALL RELATED APPURTENANCES. PATCH WALL OPENING WEATHERTIGHT TO MATCH EXISTING, FIELD VERIFY.
- 13 CONTRACTOR TO DISCONNECT AND REMOVE EXISTING REGISTERS, GRILLES, DUCTWORK AND ALL RELATED APPURTENANCES. FIELD VERIFY.
- 14 CONTRACTOR TO DISCONNECT AND REMOVE EXISTING T-STAT, WIRE, CONDUIT AND ALL RELATED APPURTENANCES. PATCH WALL OPENING TO MATCH EXISTING. FIELD VERIFY.
- 15 CONTRACTOR TO DISCONNECT AND REMOVE EXISTING BAROMETRIC DAMPER, DUCTWORK AND ALL RELATED APPURTENANCES. PATCH WALL OPENING WEATEHRTIGHT TO MATCH EXISTING. FIELD VERIFY.
- 16 > CONTRACTOR TO DISCONNECT AND REMOVE EXISTING FUEL OIL FILL PIPING AND ALL RELATED APPURTENANCES. PATCH WALL OPENING WEATEHRTIGHT TO MATCH EXISTING. FIELD VERIFY.



project no: 20-1827



The Design Group, Inc. 331 6th Avenue SW Chisholm, MN 55719

> PH: 218.262.1959 FX: 218.262.1976



revisions: 03-09-20 FINAL CD'S drawn by: TDG

date: 00-00-2020

**MECHANICAL** DEMOLITION PLAN

designed by: TDG

checked by: OWM

#### NOTE:

CONTRACTOR TO INSTALL NEW WASTE PIPING AS SHALLOW AS POSSIBLE TO MAKE INVERT CONNECTION TO EXISTING SANITARY SEWER. SAW—CUT FLOOR AS NECESSARY FOR INSTALLATION OF NEW WASTE PIPING. PATCH TO MATCH EXISTING. CONTRACTOR TO VERIFY LOCATION AND ROUTING.

NOTE

CONTRACTOR TO REFER TO FOOD SERVICE EQUIPMENT SUPPLIER PLANS FOR COORDINATION OF EQUIPMENT WASTE AND WATER CONNECTIONS.

#### PLUMBING NOTES (THIS SHEET):

NUMBER

- 1 CONTRACTOR TO SAW-CUT FLOOR AS NECESSARY FOR INSTALLATION OF NEW WASTE PIPING. PATCH TO MATCH EXISTING, FIELD VERIFY EXACT LOCATION.
- 2 CONTRACTOR TO CONNECT NEW 4" WASTE PIPING TO EXISTING 4" WASTE PIPING AS NECESSARY FOR NEW CONNECTION. MODIFY AND EXTEND PIPING AS NECESSARY FOR NEW CONNECTION. FIELD VERIFY EXACT LOCATION.
- CONTRACTOR TO CONNECT NEW 1" C.W. PIPING TO EXISTING 1" C.W. PIPING AS NECESSARY FOR NEW CONNECTION. MODIFY AND EXTEND PIPING AS NECESSARY FOR NEW CONNECTION. FIELD VERIFY EXACT LOCATION.

#### GENERAL NOTES:

- CONTRACTOR SHALL COORDINATE WITH OTHER TRADES IN ORDER TO AVOID ALL INTERFERENCE.
   CONTRACTOR SHALL VERIFY ALL EXISTING SIZES, FUNCTIONS, LOCATIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
- 3. CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS AND/OR APPURTENANCES FOR THE COMPLETE INSTALLATION, OPERATION AND CONNECTION OF THE EQUIPMENT SHOWN AND/OR SPECIFIED.
- 4. ALL MATERIALS REMOVED BY THIS CONTRACTOR SHALL BE REVIEWED BY THE OWNER. MATERIAL NOT WANTED BY THE OWNER SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES. MATERIAL THE OWNER ELECTS TO KEEP, SHALL BE STORED BY THE OWNER. THIS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING EQUIPMENT, PIPING, DUCTS, ETC. AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO COMPLETE THE WORK, AND CAP OFF PIPING OR DUCTS AIRTIGHT THAT ARE NOT TO BE REUSED UNDER OR BEHIND FINISHED SURFACES. CONCEALED ITEMS NOT TO BE REUSED MAY BE ABANDONED IF DISCONNECTED FROM THE SYSTEM.
- 5. CONTRACTOR SHALL INSTALL EQUIPMENT, PIPING AND DUCTWORK IN SUCH A MANNER AS TO AVOID ALL INTERFERENCE WITH THE NEW AND EXISTING EQUIPMENT AND SYSTEMS.
- 6. WHEN REMOVING EXISTING EQUIPMENT AS SHOWN AND AS NOTED, INCLUDING, BUT NOT LIMITED TO PLUMBING FIXTURES, DUCTWORK, TEMPERATURE CONTROLS, CONTROL WIRING AND ANY OTHER DEMOLITION WORK; ALL PIPING, WIRING, DUCTWORK, AND ANY OTHER CONNECTIONS SHALL BE CAPPED OFF AIRTIGHT BELOW FLOORS, INSIDE WALLS AND/OR ABOVE CEILINGS. THE FLOORS, WALLS, AND/OR CEILINGS SHALL BE PATCHED TO MATCH THE EXISTING CONDITIONS BY THE MECHANICAL CONTRACTOR.
- 7. ALL TEMPERATURE CONTROL LINES SHALL BE CAPPED OFF AIRTIGHT TO MAINTAIN PROPER OPERATION OF THE EXISTING TEMPERATURE CONTROL SYSTEM WHEN REMOVING EXISTING TEMPERATURE CONTROL ITEMS.
- 8. SEE ARCHITECTURAL PLANS FOR FIRE RATED PARTITIONS.
  MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING ALL NEW PENETRATIONS
  OF FLOORS, WALLS AND CEILINGS (NEW AND EXISTING CONSTRUCTION) WHERE NEW PIPING AND
  DUCTWORK PASS THROUGH FIRE RATED PARTITIONS. REFER TO SPECIFICATION SECTION
  "FIRE STOPPING".

3/4" — — — —

1/2"

2" 1-1/2"

9. ALL OPENINGS AND PENETRATIONS REQUIRED FOR INSTALLATIONS SHOWN ON THE DRAWINGS SHALL BE BY THIS CONTRACTOR, PATCH AND PAINT TO MATCH EXISTING.

		ПГ		
ROOM SU	CHEDL			PLUM
NAME	NUMBER	NAME		I LUIV
MMUNITY ROOM	109	MECHANICAL ROOM		FIXTURE
N./STORAGE	A100	ENTRY		D 1 WATER CLOSES
NS RR/SHOWER	A101	MULTI-PURPOSE	<b>一</b>	P-1 WATER CLOSET
LL/LOCKERS	A102	SPORTS SUPPLY		P-2 LAVATORY
IV. OFFICE/COMP.	A103	TABLE/CHAIR STORAGE		
LL	A104	MECHANICAL	*	<u>P-2A</u> LAVATORY
MENS RR/SHOWER	A105	KITCHEN		
ETING ROOM	A106	PANTRY	*	<u>P-3</u> URINAL
				16 PREP SINK
				23 HAND SINK
				19 TRIPLE CMF
				P-5 SERVICE BASIN

*	CON	NTRACTOR	SHALL	VERIFY	MOUNTING	HEIGHTS	FOR	INSTALLATION	
	IN A	ADA COM	PLIANT	AREAS.					

<u>2-7</u> FREEZELESS WALL HYDRANT

₩ P-6 DRINKING FOUNTAIN

<u>₩ P-9</u> SHOWER

NETR. NTRAC	ATIONS REQUI	AND PAINT TO	ALLATIONS SHO MATCH EXIST	ING.
$\bigcirc$	FIXTU	RE SC	CHEDU	LE
	CW	HW	WASTE	VENT
	1/2"		3"	2"
	1/2"	1/2"	2"	1-1/2"
	1/2"	1/2"	2"	1-1/2"
	1"		2"	1-1/2"
	3/4"	3/4"	2"	1-1/2"
	1/2"	1/2"	2"	1-1/2"
(	3/4"	3/4"	2"	1-1/2"
	1/2"	1/2"	2"	1-1/2"
	1/2"		2"	1-1/2"

The Design

project no: 20-1827

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The Design Group, Inc. 331 6th Avenue SW

> PH: 218.262.1959 FX: 218.262.1976

Chisholm, MN 55719



FINAL CD'S	03-09-20
drawn by: TDG	
designed by: TD0	<b>3</b>
checked by: OWI	M

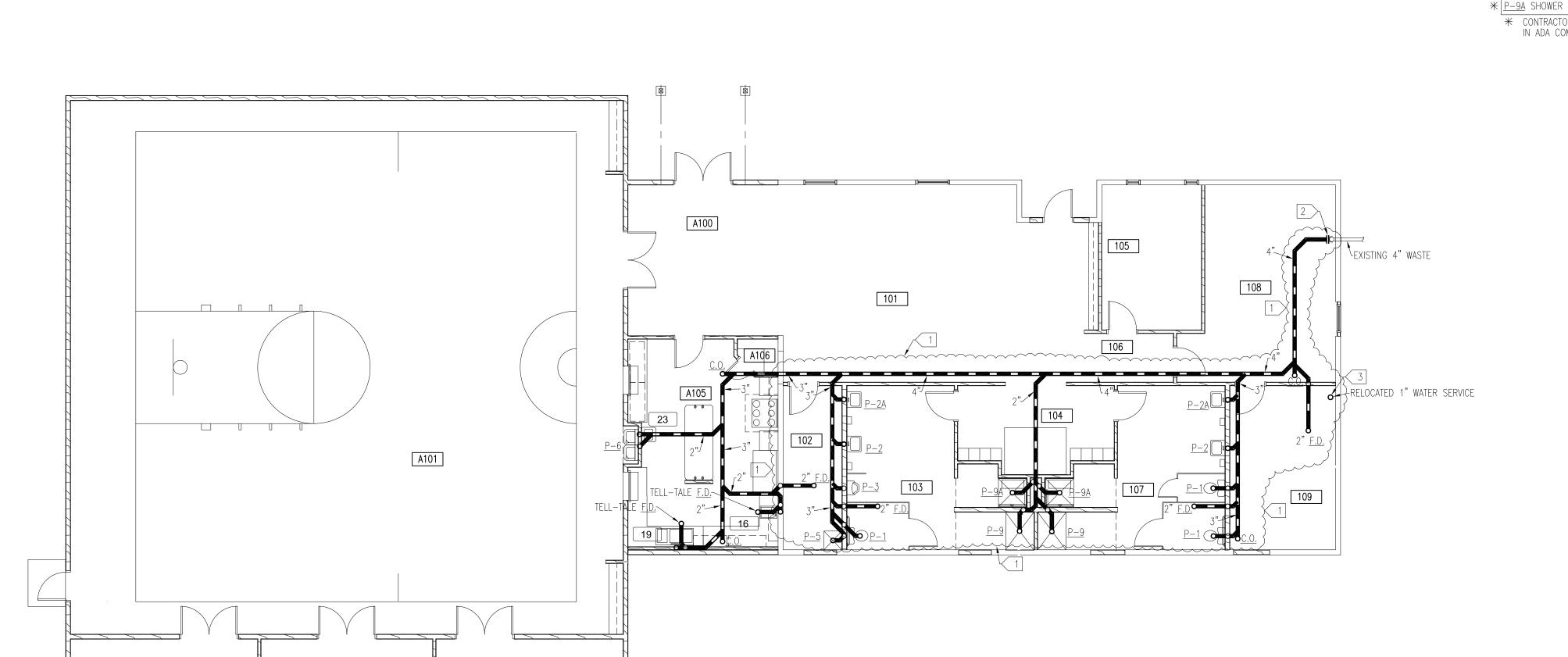
date: 00-00-2020

revisions:

UNDERFLOOR PLUMBING PLAN

sheet

p 1



JNDERFLOOR PLUMBING PLAN

A104

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

A103

A102



#### MECHANICAL NOTES (THIS SHEET):

- NEW CONNECTION. FIELD VERIFY EXACT LOCATION.
- 2 PROVIDE AND INSTALL NEW PRESSURE TANK. FIELD VERIFY EXACT LOCATION.
- OPENINGS AND INTAKES PER NFPA 54. 5 CONNECT 3/4" L.P. GAS TO 29 . PROVIDE AND INSTALL REGULATOR, UNION, DIRT LEG, AND

NOTE:	
INOTE.	
CONTRACTOR TO DEFER TO FOOR CERVICE	
CONTRACTOR TO REFER TO FOOD SERVICE	
FOLUDIATION DI ANC FOD COODINATION	$\cap$ $\Gamma$
FQUIPMENT SUPPLIER PLANS FOR COORDINATION	()
EQUIDMENT WACTE AND WATER CONNECTIONS	
EQUIPMENT WASTE AND WATER CONNECTIONS.	

ROOM SCHEDULE										
NUMBER	NAME	NUMBER	NAME							
101	COMMUNITY ROOM	109	MECHANICAL ROOM							
102	JAN./STORAGE	A100	ENTRY							
103	MENS RR/SHOWER	A101	MULTI-PURPOSE							
104	HALL/LOCKERS	A102	SPORTS SUPPLY							
105	PRIV. OFFICE/COMP.	A103	TABLE/CHAIR STORAGE							
106	HALL	A104	MECHANICAL							
107	WOMENS RR/SHOWER	A105	KITCHEN							
108	MEETING ROOM	A106	PANTRY							

- 1 CONTRACTOR TO CONNECT NEW 1" C.W. PIPING TO EXISTING 1" C.W. PIPING AS NECESSARY FOR
- 3 CONTRACTOR TO PROVIDE AND INSTALL FLEXIBLE CONNECTIONS ON GAS PIPING ON EXTERIOR. 4 CONNECT 3/4" L.P. GAS TO 1 (TYP. 3), 9. PROVIDE AND INSTALL REGULATOR, UNION, DIRT LEG, AND SHUT-OFF VALVE. VENT GAS REGULATORS SEPARATELY TO EXTERIOR OF BUILDING AWAY FROM
- SHUT-OFF VALVE.

) <u>  E:</u>	
NTRACTOR TO REFER TO FOOD SERVICE	
UIPMENT SUPPLIER PLANS FOR COORDINATION	OF
QUIPMENT WASTE AND WATER CONNECTIONS.	

#### GENERAL NOTES:

- 1. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES IN ORDER TO AVOID ALL INTERFERENCE. 2. CONTRACTOR SHALL VERIFY ALL EXISTING SIZES, FUNCTIONS, LOCATIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
- 3. CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS AND/OR APPURTENANCES FOR THE COMPLETE INSTALLATION, OPERATION AND CONNECTION OF THE EQUIPMENT SHOWN AND/OR SPECIFIED.
- 4. ALL MATERIALS REMOVED BY THIS CONTRACTOR SHALL BE REVIEWED BY THE OWNER. MATERIAL NOT WANTED BY THE OWNER SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES. MATERIAL THE OWNER ELECTS TO KEEP, SHALL BE STORED BY THE OWNER. THIS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING EQUIPMENT, PIPING, DUCTS, ETC. AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO COMPLETE THE WORK, AND CAP OFF PIPING OR DUCTS AIRTIGHT THAT ARE NOT TO BE REUSED UNDER OR BEHIND FINISHED SUFFICIENCE. CONCEALED ITEMS NOT TO BE REUSED MAY BE ABANDONED IF DISCONNECTED FROM THE SYSTEM.
- 5. CONTRACTOR SHALL INSTALL EQUIPMENT, PIPING AND DUCTWORK IN SUCH A MANNER AS TO AVOID ALL INTERFERENCE WITH THE NEW AND EXISTING EQUIPMENT AND SYSTEMS.
- WHEN REMOVING EXISTING EQUIPMENT AS SHOWN AND AS NOTED, INCLUDING, BUT NOT LIMITED TO PLUMBING FIXTURES, DUCTWORK, TEMPERATURE CONTROLS, CONTROL WIRING AND ANY OTHER DEMOLITION WORK; ALL PIPING, WIRING, DUCTWORK, AND ANY OTHER CONNECTIONS SHALL BE CAPLED AND ANY OF ANTICH BELOW FLOORS, WALLS AND THE FLOORS. WALLS, AND/OR CEILINGS SHALL BE PATCHED TO MATCH THE EXISTING CONDITIONS BY THE MECHÁNICAL CONTRACTOR.
- 7. ALL TEMPERATURE CONTROL LINES SHALL BE CAPPED OFF AIRTIGHT TO MAINTAIN PROPER OPERATION OF THE EXISTING TEMPERATURE CONTROL SYSTEM WHEN REMOVING EXISTING TEMPERATURE CONTROL ITEMS.
- 8. SEE ARCHITECTURAL PLANS FOR FIRE RATED PARTITIONS.
  MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING ALL NEW PENETRATIONS
  OF FLOORS, WALLS AND CEILINGS (NEW AND EXISTING CONSTRUCTION) WHERE NEW PIPING AND
  DUCKTORY PASS THROUGH FIRE RATED PARTITIONS. REFER TO SPECIFICATION SECTION "FIRE STOPPING".
- 9. ALL OPENINGS AND PENETRATIONS REQUIRED FOR INSTALLATIONS SHOWN ON THE DRAWINGS SHALL BE BY THIS CONTRACTOR, PATCH AND PAINT TO MATCH EXISTING.

FIXTURE         CW         HW         WASTE         VE           # P-1 WATER CLOSET         1/2"         3"         2	
	,,
<u>P-2</u> LAVATORY 1/2" 1/2" 2" 1-1	/2"
* <u>P-2A LAVATORY</u> 1/2" 1/2" 2" 1-1	/2"
* <u>P-3</u> URINAL 1" 2" 1-1	/2"
16 PREP SINK 3/4" 3/4" 2" 1-1	/2"
23 HAND SINK 1/2" 1/2" 2" 1-1	/2"
19 TRIPLE CMPRT. SINK 3/4" 3/4" 2" 1-1	/2"
<u>P-5</u> SERVICE BASIN 1/2" 1/2" 2" 1-1	/2"
<b>★</b> <u>P-6</u> DRINKING FOUNTAIN 1/2" - 2" 1-1	/2"
P-7 FREEZELESS WALL HYDRANT 3/4"	
* <u>P-9</u> SHOWER 1/2" 1/2" 2" 1-1	/2"
* <u>P-9A</u> SHOWER 1/2" 1/2" 2" 1-1	/2"

\* CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS FOR INSTALLATION IN ADA COMPLIANT AREAS.



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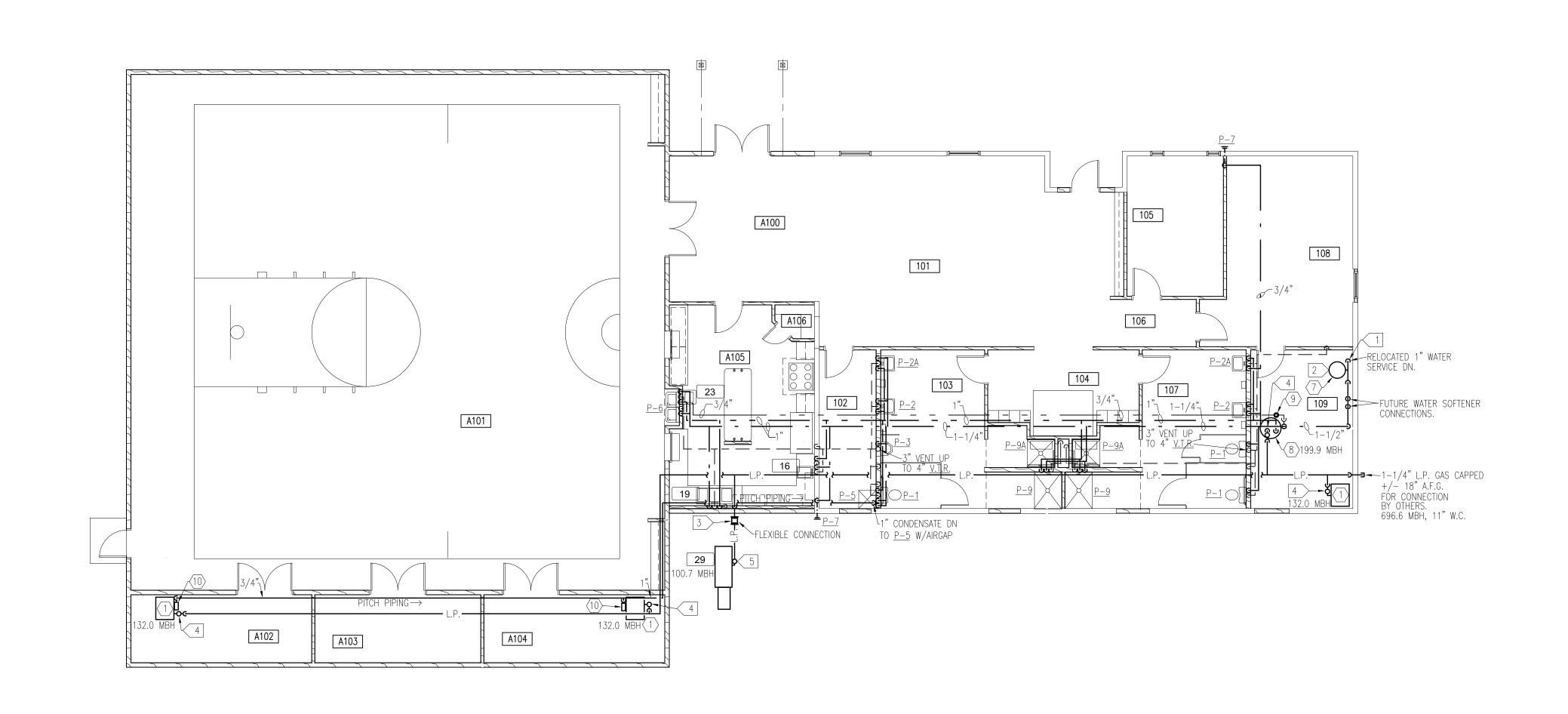


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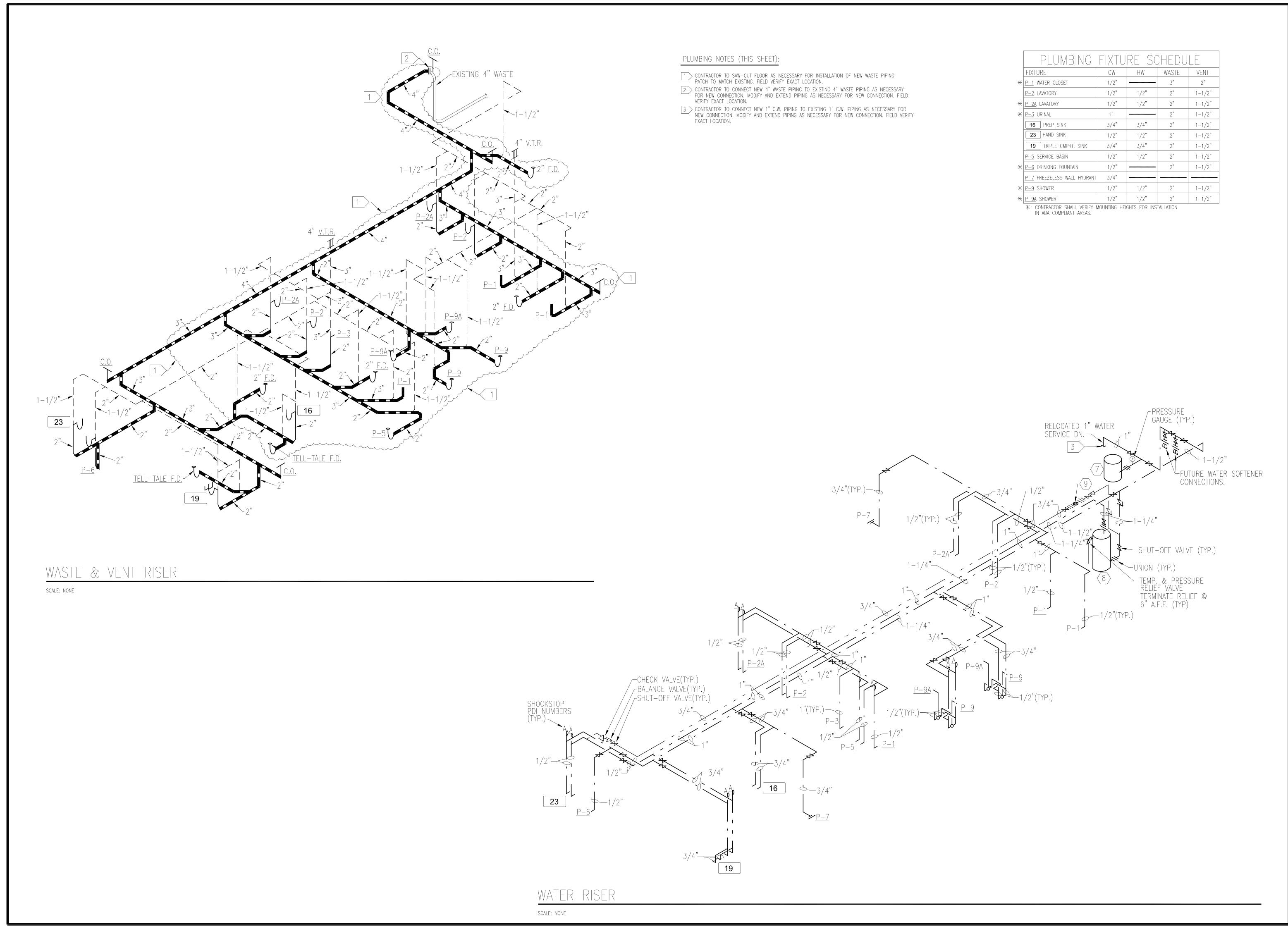
ABOVE FLOOR PLUMBING PLAN

date: 00-00-2020



ABOVE FLOOR PLUMBING PLAN

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





project no: 20-1827

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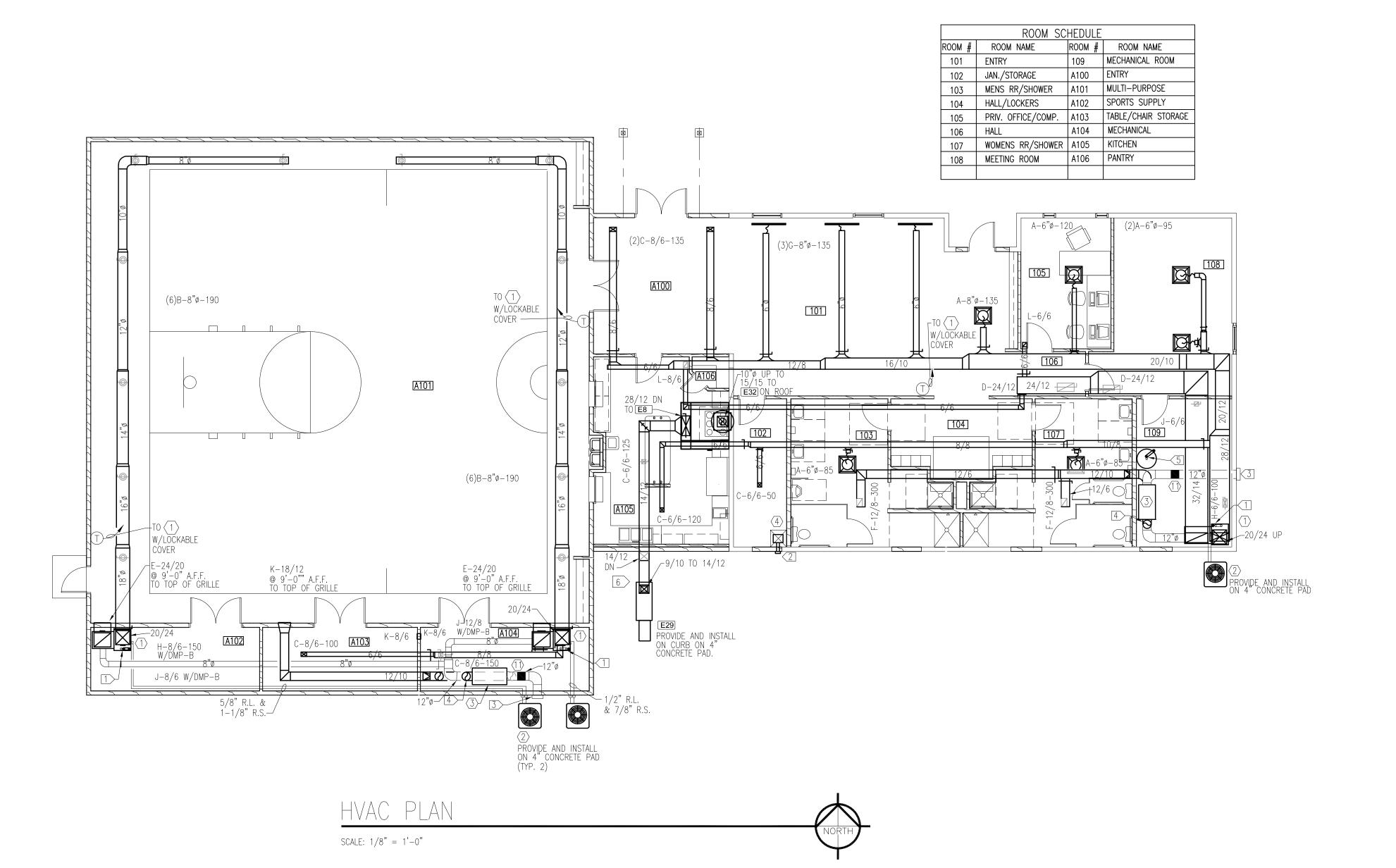
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designed by: TDG checked by: OWM date: 00-00-2020

RISER PLAN



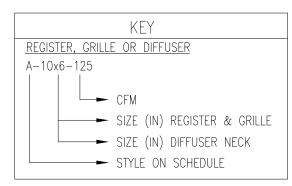
#### GENERAL NOTES:

- 1. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES IN ORDER TO AVOID ALL INTERFERENCE.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING SIZES, FUNCTIONS, LOCATIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
- 3. CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS AND/OR APPURTENANCES FOR THE COMPLETE INSTALLATION, OPERATION AND CONNECTION OF THE EQUIPMENT SHOWN
- AND/OR SPECIFIED. 4. CONTRACTOR SHALL INSTALL EQUIPMENT, PIPING AND DUCTWORK IN SUCH A MANNER AS TO AVOID
- ALL INTERFERENCE WITH THE NEW AND EXISTING EQUIPMENT AND SYSTEMS. 5. SEE ARCHITECTURAL PLANS FOR FIRE RATED PARTITIONS.

  MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING ALL NEW PENETRATIONS
  OF FLOORS, WALLS AND CEILINGS (NEW AND EXISTING CONSTRUCTION) WHERE NEW PIPING AND
  DUCTWORK PASS THROUGH FIRE RATED PARTITIONS. REFER TO SPECIFICATION SECTION
  "FIRE STORPING"
- 6. ALL OPENINGS AND PENETRATIONS REQUIRED FOR INSTALLATIONS SHOWN ON THE DRAWINGS SHALL BE BY THIS CONTRACTOR, PATCH AND PAINT TO MATCH EXISTING.

#### GENERAL NOTES:

- 1 3"Ø INTAKE & EXHAUST UP THROUGH ROOF WITH MANUFACTURE'S RECOMMENDED TERMINATION. SEAL ROOF PENETRATION WEATHERTIGHT.
- 2 4" Ø EXHAUST THROUGH SIDEWALL WITH MANUFACTURE'S RECOMMENDED TERMINATION. SEAL WALL PENETRATION
- 3 12"Ø INTAKE THROUGH SIDEWALL WITH MANUFACTURE'S RECOMMENDED TERMINATION. SEAL WALL PENETRATION WEATHERTIGHT.
- 12"Ø EXHAUST THROUGH SIDEWALL WITH MANUFACTURE'S RECOMMENDED TERMINATION. SEAL WALL PENETRATION WEATHERTIGHT.
- 5 3"Ø INTAKE & EXHAUST UP THROUGH ROOF WITH MANUFACTURE'S CONCENTRIC KIT AND AS PER MANUFACTURE'S RECOMMENDATIONS.
- 6 PROVIDE AND INSTALL 3" WEATHERPROOF INSULATION AND FLEXIBLE CONNECTIONS ON EXTERIOR DUCTWORK AND PIPING.



	REGISTER SCHEDULE													
					USE			TYPE			LOCATION			
MARK	MODEL	MANUFACTURER	SUPPLY	RETURN RFI IFF	EXHAUST	TRANSFER	REGISTER	GRILLE	DIFFUSER		CEILING	DUCT	FLOOK	REMARKS
Α	TMS	TITUS	X						Х		Х			NOTE 1, 2
В	TMR	TITUS	X						Х			Х		NOTE 1, 2
С	300RS	TITUS	Х				Χ				Х			NOTE 1, 2, 4
D	50F	TITUS		Χ				Х			Х			NOTE 1, 2, 3
E	50F	TITUS		Χ				Х		Χ				NOTE 1, 2, 3
F	300RL	TITUS			Х			Х			Х			NOTE 1, 2, 3
G	ML-39	TITUS	X						Х		Х			NOTE 1, 2, 4 -? SLOT BORDER TYPE
Н	300RS	TITUS	Х				Χ					Х		NOTE 1, 2
J	300RL	TITUS		Χ				Х				Х		NOTE 1, 2, 3
K	350RL	TITUS			X			Х		Χ				NOTE 1, 2, 3
L	300RL	TITUS		Χ				Х			Х			NOTE 1, 2, 3

- 1. FURNISH ALL HARDWARE REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
  2. COLOR TO BE DETERMINED BY THE ARCHITECT.
  3. PAINT INSIDE OF RETURN DUCTWORK BLACK.
  4. ALL PENETRATIONS THROUGH GYPSUM BOARD CEILINGS TO HAVE CEILING RADIATION DAMPERS.



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drawn by: TDG									

checked by: OWM date: 00-00-2020

designed by: TDG

HVAC PLAN

# ELECTRICAL DEMOLITION PLAN

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



- 1. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES IN ORDER TO AVOID ALL INTERFERENCE.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING SIZES, FUNCTIONS, LOCATIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
- 3. CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS, FIXTURES, AND/OR APPURTENANCES FOR THE COMPLETE INSTALLATION, OPERATION AND CONNECTION OF THE EQUIPMENT SHOWN AND/OR SPECIFIED.
- 4. ALL DEVICES SHOWN ON THE DEMOLITION DRAWING ARE TO BE DISCONNECTED AND REMOVED UNLESS NOTED. ALL MATERIALS REMOVED BY THIS CONTRACTOR SHALL BE REVIEWED BY THE OWNER. MATERIAL NOT WANTED BY THE OWNER SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES. MATERIAL THE OWNER ELECTS TO KEEP SHALL BE STORED BY THE OWNER. THIS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING EQUIPMENT, WIRING, CONDUIT ETC. AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO COMPLETE THE WORK.

  CONCEALED ITEMS NOT TO BE REUSED MAY BE ABANDONED IF DISCONNECTED FROM THE SYSTEM.
- 5. CONTRACTOR SHALL INSTALL EQUIPMENT, FIXTURES, IN SUCH A MANNER AS TO AVOID
- 6. WHEN REMOVING EXISTING EQUIPMENT AS SHOWN AND AS NOTED, INCLUDING, BUT NOT LIMITED TO ELECTRICAL WIRING AND ANY OTHER DEMOLITION WORK; ALL WIRING AND ANY OTHER CONNECTIONS SHALL BE REMOVED BELOW FLOORS, INSIDE WALL AND/OR ABOVE CEILINGS. THE FLOORS, WALLS, AND/OR CEILINGS SHALL BE PATCHED TO MATCH THE EXISTING CONDITIONS BY THIS CONTRACTOR.
- 7. ALL OPENINGS AND PENETRATIONS REQUIRED FOR INSTALLATIONS SHOWN ON THE DRAWINGS SHALL BE BY THIS CONTRACTOR, PATCH AND PAINT TO MATCH EXISTING.
- 8. SEE ARCHITECTURAL PLANS FOR FIRE RATED PARTITIONS.
  ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING ALL NEW PENETRATIONS
  OF FLOORS, WALLS AND CEILINGS (NEW AND EXISTING CONSTRUCTION) WHERE NEW CONDUIT AND
  WIRING PASS THROUGH FIRE RATED PARTITIONS. REFER TO SPECIFICATION SECTION "FIRE STOPPING".

#### NOTE

DASHED LINES INDICATE SYSTEMS AND EQUIPMENT TO BE DISCONNECTED AND AND REMOVED ENTIRELY. SOLID LINES INDICATE SYSTEMS AND EQUIPMENT TO REMAIN. VERIFY LOCATIONS.

#### ELECTRICAL DEMOLITION NOTES:

1 DISCONNECT AND REMOVE EXISTING RECEPTACLE, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.
2 DISCONNECT AND REMOVE EXISTING LIGHT(S), WIRING, CONDUIT AND ALL RELATED APPURTENANCES.
3 DISCONNECT AND REMOVE EXISTING EMERGENCY LIGHT, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.

disconnect and remove existing exit light, wiring, conduit and all related appurtenances.

5 DISCONNECT AND REMOVE EXISTING SWITCH OR DIMMER, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.

6 DISCONNECT AND REMOVE EXISTING PHONE OR DATA, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.

7 DISCONNECT AND REMOVE EXISTING THERMOSTAT, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.

8 DISCONNECT AND REMOVE EXISTING JUNCTION BOX, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.

9 DISCONNECT AND REMOVE EXISTING TIMER, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.

10 DISCONNECT AND REMOVE EXISTING HAND DRYER, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.

11 DISCONNECT AND REMOVE POWER, WIRING, CONDUIT AND ALL RELATED APPURTENANCES FROM EXHAUST FAN.

12 DISCONNECT AND REMOVE EXISTING PANEL, WIRING, CONDUIT AND ALL RELATED APPURTENANCES.

13 DISCONNECT & REMOVE WIRE AND CONDUIT FROM THE EXISTING WATER HEATER. REMOVE CIRCUIT BREAKER

FROM PANEL AND TURN OVER TO OWNER.

14 DISCONNECT & REMOVE WIRE AND CONDUIT FROM THE EXISTING FUEL OIL FURNACE. REMOVE CIRCUIT BREAKER FROM PANEL AND TURN OVER TO OWNER.



HAWK CONSTRUCT
General Contrac
Design / BUILDERS

OMMUNITY CENTE

project no: 20-1827

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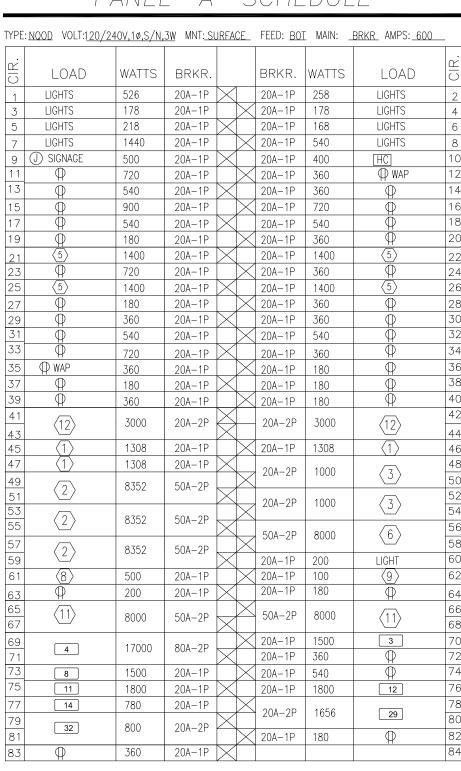
date: 00-00-2020

ELECTRICAL DEMOLITION PLAN

designed by: TDG

checked by: OWM

sheet number

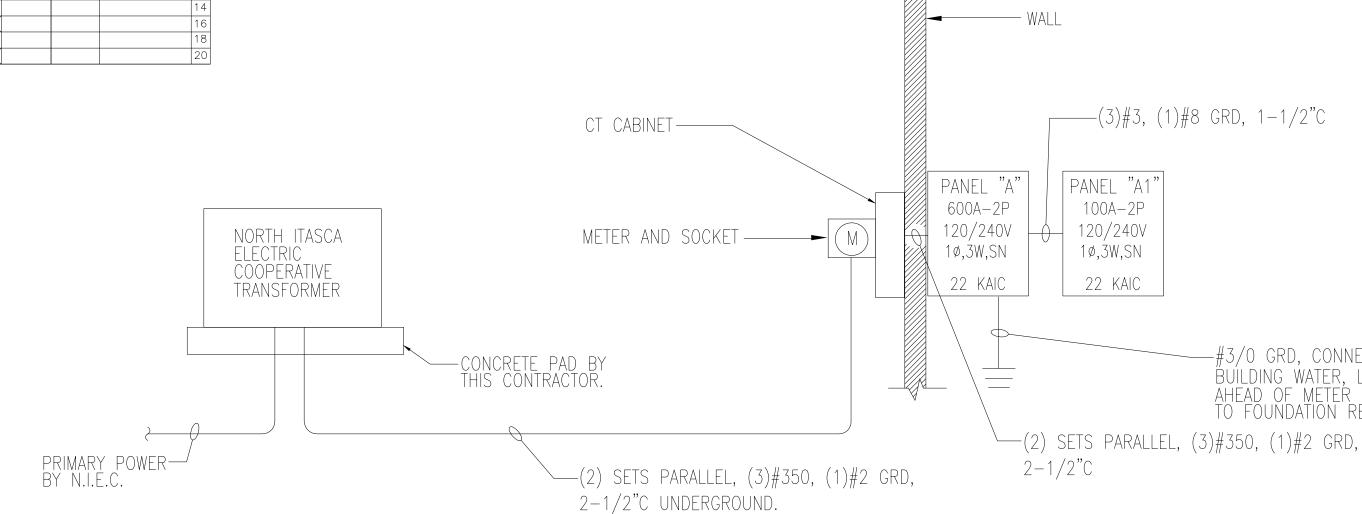


PANEL SHALL BE RATED AT 22 KAIC

32

#### PANEL "A1" SCHEDULE

IPE:I	100D VOLT:120/2	:40V, IØ,5/ N,	<u> </u>	JRFACE_	LEED: TOP	MAIN: LU	GSAMPS:_	100
0 R.	LOAD	WATTS	BRKR.		BRKR.	WATTS	LOAD	S. S.
3	(12)	3000	20A-2P		20A-2P	3000	(12)	2
5	EXISTING	1200	20A-2P	X				6
7	WELL PUMP	1200	20/1 21	$\square$				8
9				$\times$				1
11								1
13				$\times$				1
15								1
17								1
19								2



POWER RISER

NOT TO SCALE

#### GENERAL NOTES:

--(3)#3, (1)#8 GRD, 1-1/2"C

#3/0 GRD, CONNECT TO

BUILDING WATER, LINE AHEAD OF METER & CADWELD TO FOUNDATION REBAR.

PANEL "A1

100A-2P

120/240V

1ø,3W,SN

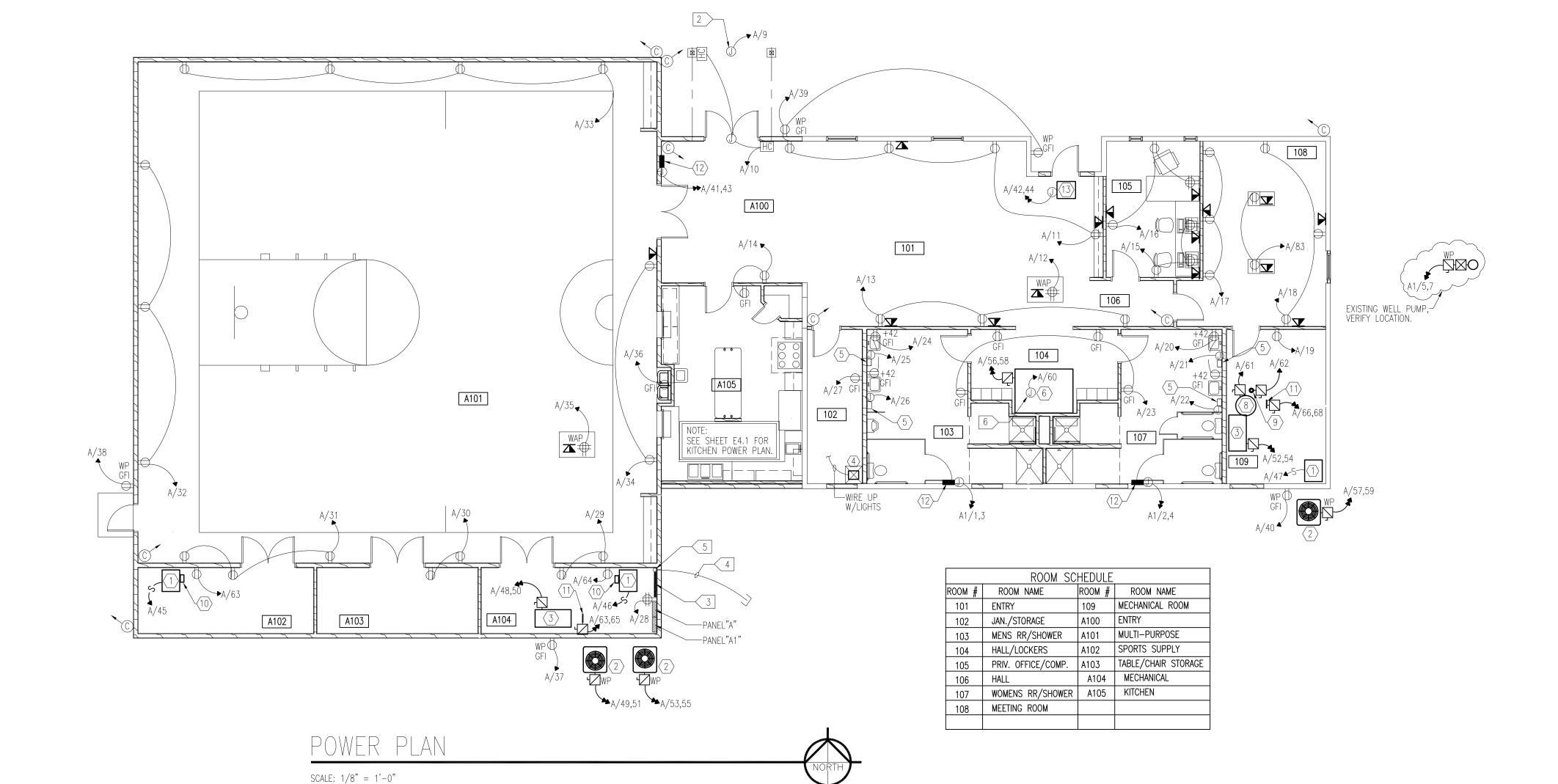
22 KAIC

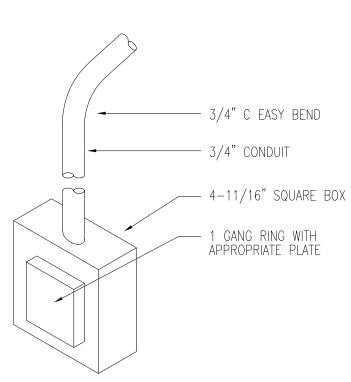
2-1/2°C

- 1. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES IN ORDER TO AVOID ALL INTERFERENCE.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING SIZES, FUNCTIONS, LOCATIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS, FIXTURES, AND/OR APPURTENANCES FOR THE COMPLETE INSTALLATION, OPERATION AND CONNECTION OF THE EQUIPMENT SHOWN AND/OR SPECIFIED.
- ALL DEVICES SHOWN ON THE DEMOLITION DRAWING ARE TO BE DISCONNECTED AND REMOVED UNLESS NOTED. ALL MATERIALS REMOVED BY THIS CONTRACTOR SHALL BE REVIEWED BY THE OWNER. MATERIAL NOT WANTED BY THE OWNER SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES. MATERIAL THE OWNER ELECTS TO KEEP SHALL BE STORED BY THE OWNER. THIS CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING EQUIPMENT, WIRING, CONDUIT ETC. AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO COMPLETE THE WORK. CONCEALED ITEMS NOT TO BE REUSED MAY BE ABANDONED IF DISCONNECTED FROM THE SYSTEM.
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- 7. ALL OPENINGS AND PENETRATIONS REQUIRED FOR INSTALLATIONS SHOWN ON THE DRAWINGS SHALL BE BY THIS CONTRACTOR, PATCH AND PAINT TO MATCH EXISTING.
- 8. SEE ARCHITECTURAL PLANS FOR FIRE RATED PARTITIONS.
  ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING ALL NEW PENETRATIONS
  OF FLOORS, WALLS AND CEILINGS (NEW AND EXISTING CONSTRUCTION) WHERE NEW CONDUIT AND WIRING PASS THROUGH FIRE RATED PARTITIONS. REFER TO SPECIFICATION SECTION "FIRE STOPPING".

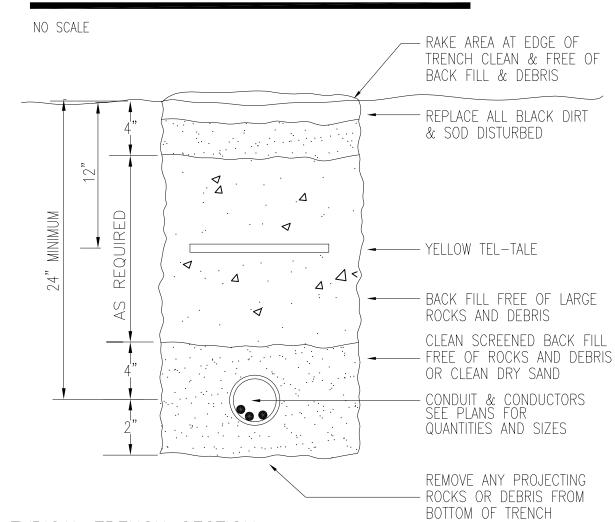
#### ELECTRICAL NOTES (THIS SHEET):

- 1 CAMERA LOCATION. INSTALL JUNCTION BOX FOR FUTURE INSTALLATION OF CAMERA. ROUTE 1" CONDUIT BACK TO SECURITY HEAD END. COORDINATE LOCATIONS WITH SECURITY SUPPLIER.
  - 2 JUNCTION BOX MOUNTED UP ON FRONT OF EXTERIOR CANOPY FOR FOR FUTURE SIGNAGE. COORDINATE EXACT LOCATION WITH ARCHITECT.
  - 3 4' X 8' SHEET OF 3/4" PLYWOOD MOUNTED VERTICALLY ON WALL FOR TELEPHONÉ EQUIPMENT.
  - 4 3" PVC CONDUIT RUN 24" UNDERGROUND. STUB TELEPHONE TO RIGHT OF WAY. PROVIDE & INSTALL GROUND BAR. GROUNDED TO BUILDING REBAR.
  - 5 TELEPHONE SERVICE CONDUIT STUB UP.
  - 6 PROVIDE AND INSTALL JUNCTION BOX FOR SAUNA LIGHT PROVIDED WITH SAUNA. COORDINATE WITH SAUNA SUPPLIER.





TYPICAL TELEPHONE/DATA OUTLET LOCATION DETAIL



TYPICAL TRENCH SECTION

NO SCALE



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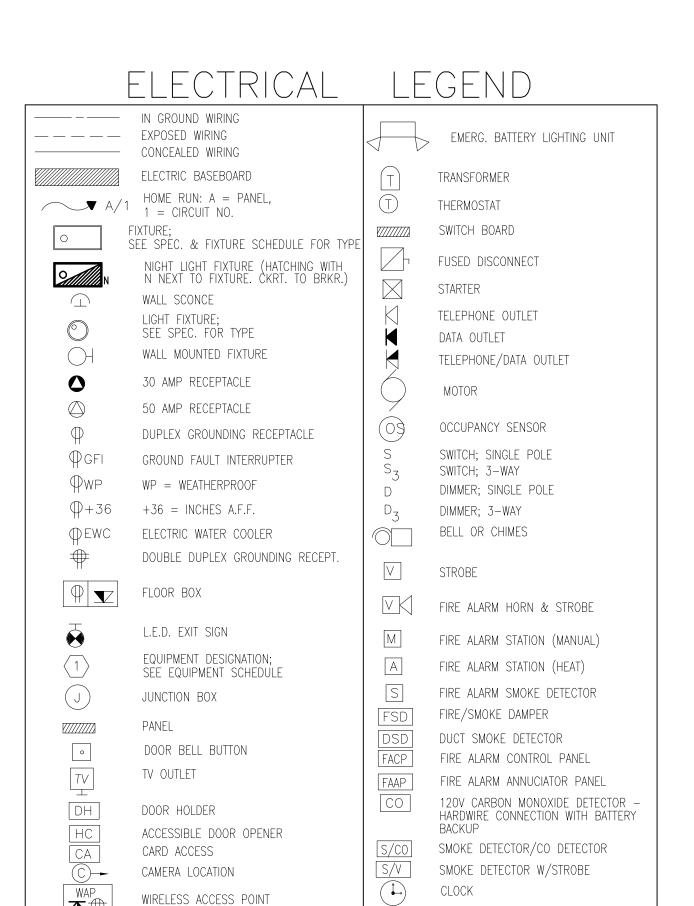
> PH: 218.262.1959 FX: 218.262.1976



revisions: 03-09-20 FINAL CD'S drawn by: TDG designed by: TDG checked by: OWM

date: 00-00-2020

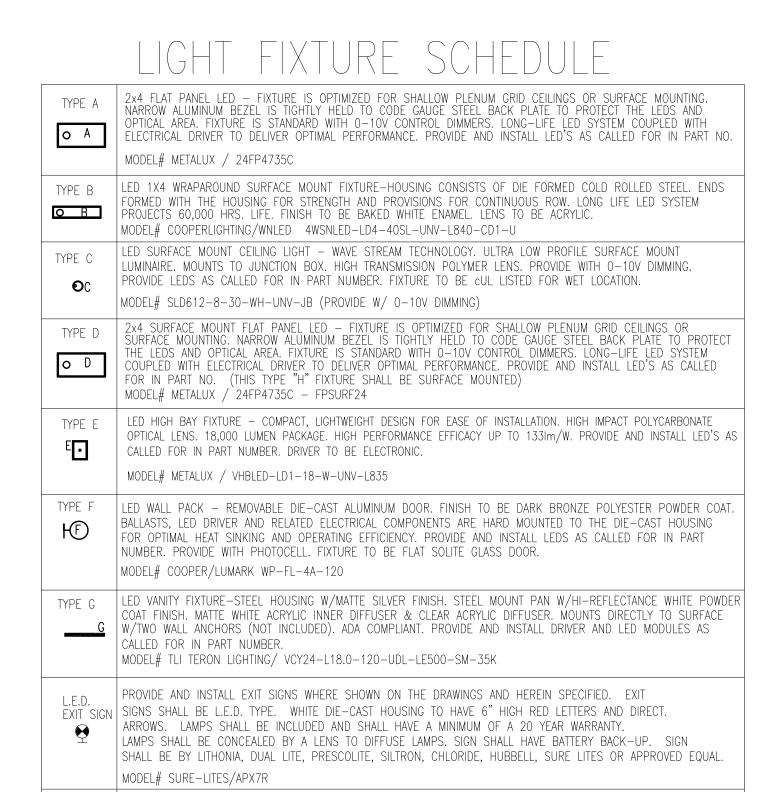
POWER PLAN



OVERHEAD PROJECTOR

LIGHTING PLAN

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

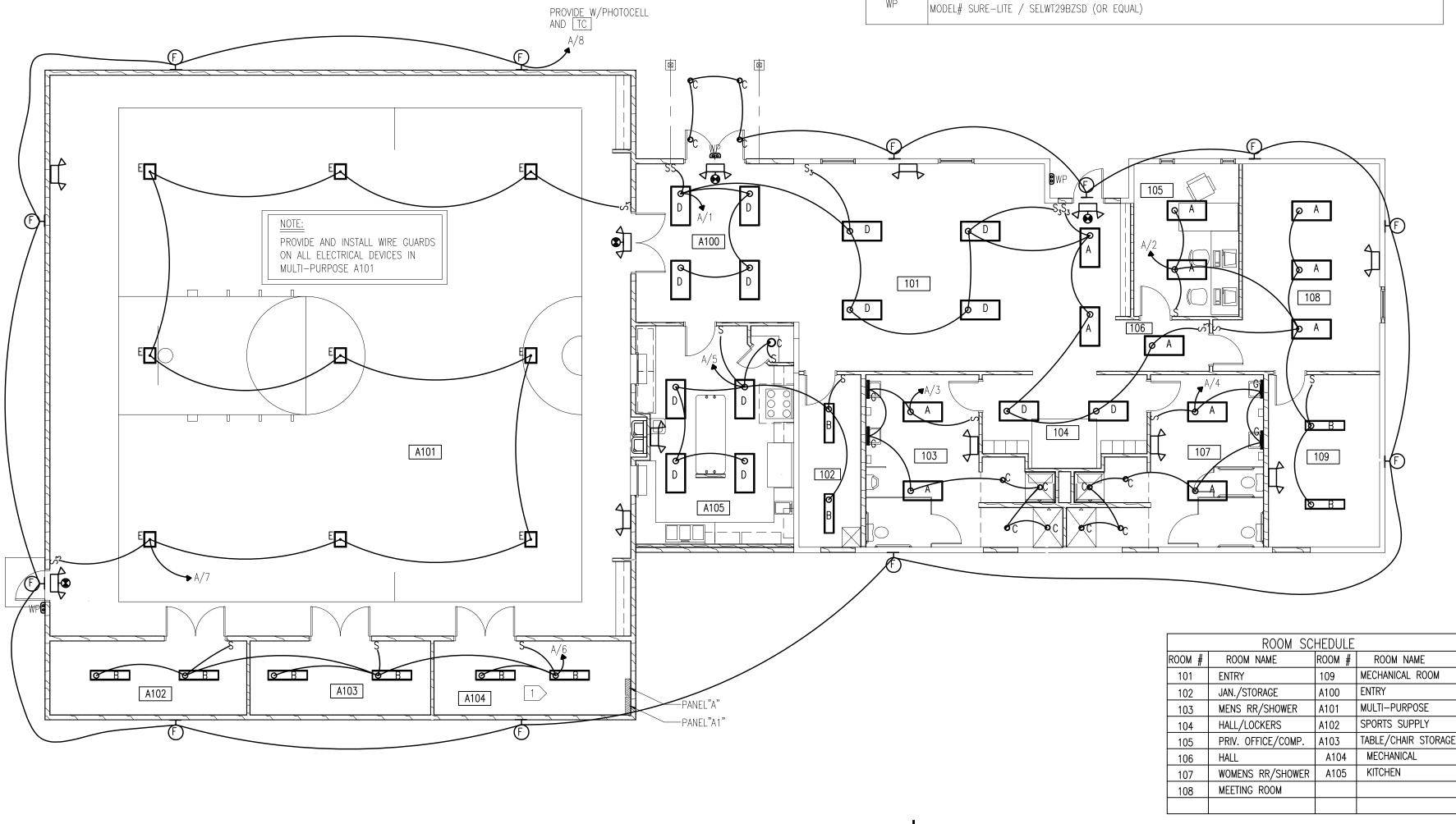


#### BAT. UNIT FREE, INPUT VOLTAGE EACH UNIT SHALL BE CAPABLE OF SUPPLYING THE CONNECTED LOAD FOR A / | MINIMUM OF 90 MINUTES. MODEL# SURE-LITES/SEL17 EMERG. PROVIDE AND INSTALL WHERE SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED, EMERGENCY/EXIT LIGHT. BAT. UNIT | SIGNS SHALL BE L.E.D. TYPE. WHITE DIE-CAST HOUSING TO HAVE 6" HIGH RED LETTERS AND DIRECT. ARROWS. LAMPS SHALL BE INCLUDED AND SHALL HAVE A MINIMUM OF A 20 YEAR WARRANTY. LAMPS SHALL BE CONCEALED BY A LENS TO DIFFUSE LAMPS. SIGN SHALL HAVE BATTERY BACK-UP. SIGN SHALL BE BY LITHONIA, DUAL LITE, PRESCOLITE, SILTRON, CHLORIDE, HUBBELL, SURE LITES OR APPROVED EQUAL. EMERG. BATTERY LIGHTING UNITS. HOUSING SHALL BE WHITE THERMOPLASTIC. BATTERY TO BE 12V, MAINTENANCE FREE, INPUT VOLTAGE EACH UNIT SHALL BE CAPABLE OF SUPPLYING THE CONNECTED LOAD FOR A MINIMUM OF 90 MINUTES.

BATTERY LIGHTING UNITS. HOUSING SHALL BE WHITE THERMOPLASTIC. BATTERY TO BE 12V, MAINTENANCE

PROVIDE AND INSTALL WHERE SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED, EMERGENCY

| MODEL# SURE-LITES/APC7R EXTERIOR | WEATHERPROOF/DUAL LIGHT/WET LOCATION EMERGENCY LED LIGHT — BATTERY: FULL RECHARGE TIME, 24 HOURS EMERG. | MAX. AND SEALED NICKEL CADMIUM. UNIT SHALL BE CAPABLE OF SUPPLYING LOAD FOR A MINIMUM OF 90 MINUTES. ELECTRICAL: DUAL VOLTAGE 120/277 VAC, 60HZ. BROWNOUT CIRCUIT, LOW VOLTAGE DISCONNECT, OVERLOAD/SHORT CIRCUIT PROTECTION, 4.8V BATTERY BACK-UP, 1.4W ACCU-LED OPTICS.

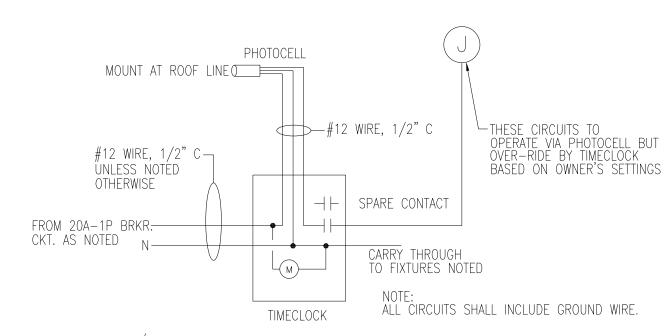


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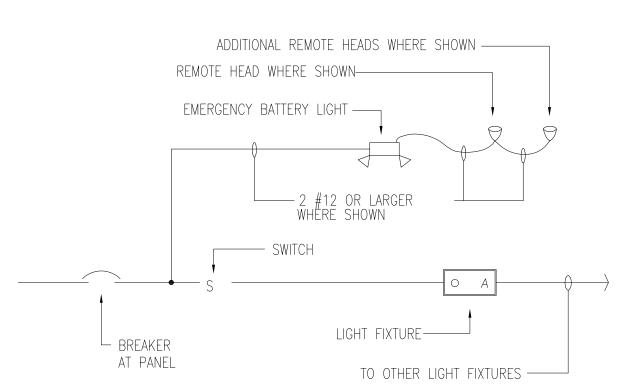
#### ELECTRICAL NOTES (THIS SHEET):

1 > COORDINATE LIGHTS WITH DUCTWORK THIS ROOM. LIGHTS MAY NEED TO BE CHAIN HUNG.



## TIMECLOCK/PHOTOCELL LIGHTING CONTROL DETAIL

NO SCALE



#### EMB LIGHT CONNECTION DETAIL

NO SCALE



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date: 00-00-2020

LIGHTING PLAN

#### Pulse Products 6130 Blue Circle Drive Minnetonka, MN 55343 P: 952-217-0400 F: 952-930-1632

#### LAYOUT AND DESIGN SERVICE POLICY:

Please be advised that it is the full intention and the service of this office to provide a complete and operable system design to all customers requesting such assistance. Should any changes to the factory provided layout be requested by the assistance. Should any changes to the factory provided layout be requested by the customer, those changes shall be made in the field or by the customer at his office. The Watt Stopper design team provides a complete and operable layout based on years of experience and the proven performance of our products. We cannot endorse or guarantee any any modifications that may compromise the intergrity of the factory provided design.

# WATTSTOPPER OCCUPANCY SENSOR LEGEND

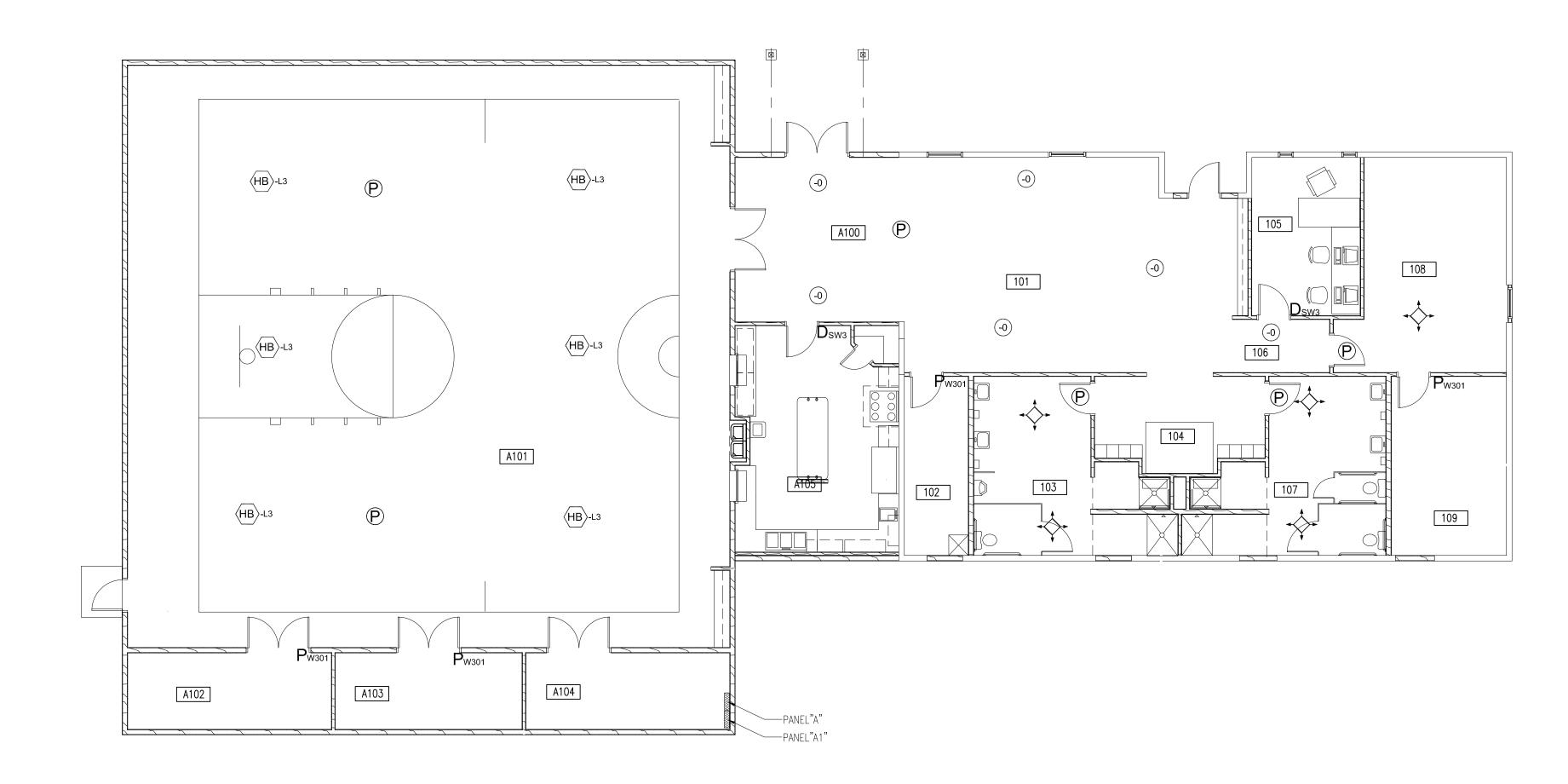
**6** P BZ-50

6 ① CI-200

**2D**<sub>SW3</sub> DSW-301

**5** DT-300 HB-300-L3

**5** P<sub>W301</sub> PW-301



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	ROOM SCHEDULE										
ROOM #	ROOM NAME	ROOM #	ROOM NAME								
101	ENTRY	109	MECHANICAL ROOM								
102	JAN./STORAGE	A100	ENTRY								
103	MENS RR/SHOWER	A101	MULTI-PURPOSE								
104	HALL/LOCKERS	A102	SPORTS SUPPLY								
105	PRIV. OFFICE/COMP.	A103	TABLE/CHAIR STORAGE								
106	HALL	A104	MECHANICAL								
107	WOMENS RR/SHOWER	A105	KITCHEN								
108	MEETING ROOM										



AKE TY CENTER COMMUNIT

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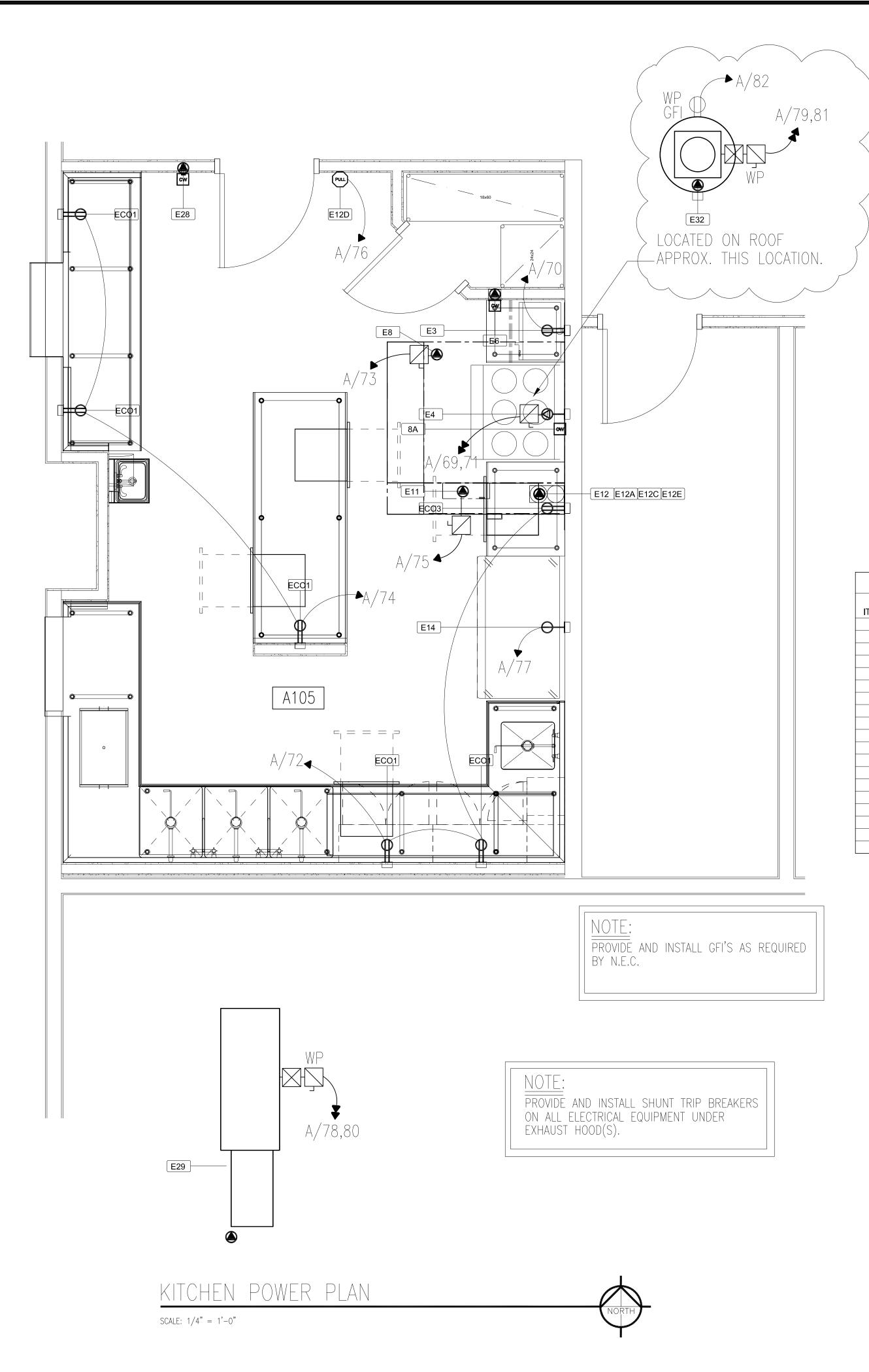
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	date:
INAL CD'S	03-09-20
lrawn by: TDG	

date: 00-00-2020

OCCUPANCY SENSOR PLAN

designed by: TDG

checked by: OWM



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	ELECTRICAL ROUGH-IN SCHEDULE											
					SERVICE		ROUG	H-IN				
ITEM NO	QTY DESCRIPTION	VOLTS	PHASE	AMP	CONN. TYPE / OUTLET TYPE	NEMA	HEIGHT	ABRV	REMARKS & NOTES			
E3	1 Microwave Oven w/ Shelf	120 V	1	13.0 A	DR Cord & Plug	5-15P	5'-6"	AFF				
E4	1 Electric Range	240 V	1	70.8 A	Special Connection		1'-6"	AFF	Cord & Plug by EC			
E6	1 Hood Control Touch Screen	0 V	0	0.0 A	Cat 5 Control Wiring		4'-0"	AFF	Serviced Thru E11 Hood Control Box / 2-Gang J-box & 3/4" Conduit above ceiling by EC			
E8	1 Cooking Exhaust Hood	120 V	1	15.0 A	Direct Connection		9'-6"	DFA	Serviced Thru E11 Hood Control Panel / Note 3 & 8 / CD-601			
E8A	1 Cooking Hood Duct Sensor	10 V	0	0.0 A	Control Wiring		9'-6"	DFA	Duct Heat Sensor to E11 Hood Control Box / 2-Gang J-Box & 3/4" Conduit above Ceiling by EC			
E11	1 Hood Control Panel	120 V	1	15.0 A	Direct Connection		8'-6"	DFA	Hood Fan On/Off, Light Switch, & Gas Valve Control			
E12	1 Fire Protection System	120 V	1	15.0 A	Direct Connection		8'-10"	AFF	Wired Thru E11 Hood Control Box / Note 3 / CD-700			
E12A	1 Fire Suppression System - Dry Contactor	0 V	0	0.0 A			0"		Service Shunt Trip Breaker Provided by EC / Note 3 / CD-700			
E12B	1 Fire Suppression System - Gas Valve	120 V	0	0.0 A			0"		To gas shut off valve / Note 4A / CD-700			
E12C	1 Fire Suppression System - Building Alarm	0 V	0	0.0 A			0"		Building Alarm to Dry Contactor in Fire Panel, by EC / Note 2 / CD-700			
E12D	1 Fire Suppression System - Remote Manual Pull	0 V	0	0.0 A			0"		Remote Manual Pull Station / Note 4A / CD-700			
E12E	1 Fire Suppression System - Fire Microswitch	0 V	0	0.0 A			0"		From E11 Control Panel, for Fire system microwswitch			
E14	1 Two Section Refrigerator, Reach-In	120 V	1	6.5 A	SR Cord & Plug	5-15P	4'-0"	AFF				
E24	1 Work Table	120 V	1	20.0 A			0"		Wired Thru Empty J-Box to Service ECO2 in Work Table			
E28	1 Room Temperature Sensor	10 V	0	0.0 A	Control Wiring		5'-0"	AFF	Wired Thru E11 Hood Control Box / 2-Gang J-Box & 3/4" Conduit above Ceiling by EC			
E29	1 Make Up Air Unit	240 V	1	6.9 A	Direct Connection		0"		Run Service Thru E11 Hood Control Box			
E32	1 Roof Top Exhaust Fan	240 V	1	5.2 A	Direct Connection		0"		Run Service Thru E11 Hood Control Box			
ECO1	5 Convenience Oulet	120 V	1	20.0 A			0"		Convenience Outlet by EC			
ECO3	1 Convenience Oulet	120 V	1	20.0 A			0"		Convenience Outlet by EC / Note 3 & 4			



S. LAKE JNITY CENTER

project no: 20-1827

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drawn by: TDG							

date: 00-00-2020
sheet

KITCHEN POWER PLAN

designed by: TDG

checked by: OWM

sheet

# S. LAKE COMMUNITY CENTER FOODSERVICE GENERAL INFORMATION

## GENERAL DEMOLITION EQUIPMENT NOTES

- FSEC SHALL DOCUMENT ALL EXISTING EQUIPMENT'S' OPERATION WITH OWNER ON ALL EQUIPMENT THAT IS TO BE RELOCATED. FSEC SHALL PROVIDE STARTUP AND 30 DAY WARRANTY ON EQUIPMENT AFTER REINSTALLATION.
- MECHANICAL & ELECTRICAL CONTRACTORS ARE RESPONSIBLE FOR DISCONNECTION AND RECONNECTION ON ALL RELOCATED EXISTING EQUIPMENT, SCHEDULED BY FSEC AFTER OPERATIONAL VERIFICATION.
- FSEC SHALL REMOVE ALL EQUIPMENT FROM EXISTING KITCHEN AND TURN OVER TO OWNER, OR RELOCATE OWNERS STORAGE FACILITY. FSEC IS TO COORDINATE SCHEDULE WITH CONSTRUCTION MANAGER. ANY ITEMS NOT REUSED AND NOT WANTED BY THE OWNER IS TO BE DISPOSED OF BY THE FSEC.
- FSEC SHALL RECLAIM ALL REFRIGERATION FROM EXISTING UNITS PRIOR TO REMOVAL FROM SITEFOR DISPOSED EQUIPMENT. PROVIDE DOCUMENTATION FOR OWNERS AND CONSTRUCTION MANAGERS FILES.
- 5) FSEC SHALL COORDINATE WITH THE OWNER AND CONSTRUCTION MANAGER ALL RELOCATION AND/OR MODIFICATION OF ANY EQUIPMENT TO BE REUSED.

NOT TO SCALE

	ABBREVIATIONS		ABBREVIATIONS
ABRV.	ABREVATION DESCRIPTION	ABRV.	ABREVATION DESCRIPTION
A	150/55	FT	FEET/FOOT
AFF	ABOVE FINISH FLOOR	FILT	FILTERED WATER
ADD	ADDENDUM	FD	FLOOR DRAIN
ADJ	ADJUSTABLE	FS	FLOOR SINK
AC	AIR CONDITIONING	FSEC	FOODSERVICE EQUIPMENT
ALT	ALTERNATE	FTG	CONTRACTOR
AMP	AMPERAGE		FOUNDATION
ASI	ARCHITECTRUAL SUPPELMENTAL	FND	FOUNDATION
ARCH	INSTRUCTION	FLA FUT	FULL LOAD AMPERAGE
B	ARCHITECTURAL	G	FUTURE
	BACK FLOW PREVENTOR	GPH	CALLON DED LIQUID
BFP		GPM	GALLON PER HOUR
BFF BLKG	BELOW FINISH FLOOR		GALLON PER MINUTE
BW	BLOCKING	GC GM	GENERAL CONTRACT(OR) GENERAL MANAGER
BRKT	BOTH WAYS BRACKET	GND	GROUND
BTU BLDG	BRITSH THERMAL UNITS BUILDING	GFCI	GROUND FAULT CIRCUIT
С	BOILDING	Н	INTERIOR I
CLG	CEILING	HVAC	HEATING VENTILATION & AIR
		ITVAC	CONDITIONING
CL	CENTERLINE	HD	HEAVY DUTY
CIRC	CIRCUIT	Н	HIGH/HEIGHT
CLR	CLEAR	HP	HORSE POWER
CW	COLD WATER	HW	HOT WATER
COND	CONDUIT	HR	HOUR
CD	CONSTRUCTION DETAIL	1	HIGGIT
CONV	CONVENIENCE OUTLET	IN	INCH/INCHES
CG	CORNER GUARD	IW	INDIRECT WASTE
CFM	CUBIC FEET PER MINUTE	J	INDINEOT WHOTE
CAT5	ETHERNET CABLE	JB	JUNCTION BOX
D	T	K	OCINCTION DOX
D	DEEP, DEPTH	KW	KILOWATT
DEMO	DEMOLISH OR DEMOLITION	I	INLOWATI
DT	DETAIL	L	LENGHT
DIA	DIAMETER	LCP	LOAD CENTER PANEL
DIM	DIMENSION	LCA	LOAD CENTER PAINEL
DW	DIRECT WASTE	LV	
DIST	DISTANCE		LOW VOLTAGE
DBL	DOUBLE	LB	POUNDS
DFA	DOWN FROM ABOVE	LP	PROPANE GAS
DTL	DRAIN WATER TEMPERING KIT	M	
DWG	DRAWING	MAU	MAKE UP AIR UNIT
DR	DUPLEX RECEPTACLE OUTLET	MFG	MANUFACTURE
E		MAX	MAXIMUM
EA	EACH	MECH	MECHANICAL
ELEC	ELECTRICAL	MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR	MTL	METAL
EL	ELEVATION	MC	METAL CLAD
EQ	EQUAL	MIN	MINIMUM
EQP	EQUIPMENT	MBH	ONE THOUSAND BTU PER HOUR
ETC	ETCRETERA	N	
EXH	EXHAUST	NEMA	NATIONAL ELEC MFG
EXIST	EXISTING		ASSOCIATION
F	LAIGHNO	NG	NATURAL GAS
F	DEGRESS FAHRENHEIT	NA	NOT APPLICABLE
		NIC	NOT IN CONTRACT
FAB	FABRICATED / FABRICATOR	NITO	NOT TO COM E

	ABBREVIATIONS								
ABRV.	ABREVATION DESCRIPTION								
0									
OC	ON CENTER								
OA	OVERALL								
O & M	OWNER'S MANUAL								
Р									
PSP	PERFORATED SUPPLY PLENUM								
PH	PHASE								
PLAM	PLASTIC LAMINATE								
PC	PLUMBING CONTRACTOR								
POS	POINT OF SALE								
PSF	POUNDS PER SQUARE FOOT								
PSI	PRESSURE PER SQUARE INCH								
PRV	PRESSURE REDUCING VALVE								
Q									
QTY	QUANTITY								
R									
RECP	RECEPTACLE								
RPZ	REDUCING PRESSRE ZONE								
REFIG	REFRGERATION								
REL	RELOCATE								
RMN	REMAIN								
RMV	REMOVE								
RFI	REQUEST FOR INFORMATIN								
REQD	REQUIRED								
RTU	ROOFTOP AIR HANDING UNIT								
RO	ROUGH OPENING								
RLA	RUNNING LOAD AMP								
S									
SCHED	SCHEDULE								
SECT	SECTION								
SHT	SHEET								
SR	SINGLE RECEPTACLE OUTLET								
SPEC	SPECIFICATIONS								
SQ	SQUARE								
SF	SQUARE FOOT								
ST. STL.	STAINESS STEEL								
SP	STATIC PRESSURE								
SUCT	SUCTION								
T	1								
TL	TWIST LOCK								
TYP	TYPICAL								
U									
<u> </u>	UNDERWRITES LABATORIES								
UFB	UP FROM BELOW								
UDS	UTILITY DISTRIBUTION SYSTEM								
V	OTILITY DISTRIBUTION STOTEM								
v VFY	VERIFY								
V	VOLTS								
<u>v</u> W	VOLIO								
wv WSCT	WAINSCOT								
WSC1 WTR									
	WATER COLLINAL								
WC	WATER COLUMN								
W	WIDE								
W/	WITH								
W/O	WITHOUT								
WD	WOOD								

#### GENERAL DOCUMENT NOTES

- 1) THE USE OF CULINEX DRAWINGS, ELECTRONIC MEDIA, SPECIFICATIONS AND OTHER DOCUMENTS:
  - THE DRAWINGS, SPECIFICATIONS, ALL ELECTRONIC MEDIA, AND OTHER DOCUMENTS PREPARED BY CULINEX FOR THIS PROJECT, SHALL BE DEEMED CULINEX AND THEY SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT. THE OWNER/ARCHITECT SHALL BE PERMITTED TO RETAIN COPIES, INCLUDING REPRODUCIBLE COPIES OF THE CULINEX DRAWINGS, SPECIFICATIONS, ELECTRONIC MEDIA, AND OTHER DOCUMENTS FOR INFORMATION ON THIS PROJECT ONLY. THE DRAWINGS, SPECIFICATIONS, ELECTRONIC MEDIA OR OTHER DOCUMENTS SHALL NOT BE USED BY THE OWNER/ARCHITECT FOR OTHER PROJECTS
  - THE OWNER/ARCHITECT ACKNOWLEDGES THAT CULINEX SHALL HAVE NO LIABILITY FOR ANY USE OF CULINEX DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS BY ANY OTHER PARTY OTHER THAN CULINEX.
  - CULINEX TAKES NO RESPONSIBILITY FOR ELECTRONIC MEDIA'S COMPATIBILITY WITH SOFTWARE OR HARDWARE USED BY THE RECIPIENT. WHEREAS THE TRANSMITTED INFORMATION IS SUBJECT TO CHANGE. THE RECIPIENT MUST ACCEPT RESPONSIBILITY FOR OBTAINING ANY UPDATES. IT IS THE RECIPIENT'S RESPONSIBILITY TO SCREEN THE DATA FOR VIRUS CONTAMINATION PRIOR TO ITS USE.
  - ALL INFORMATION REMAINS PROPERTY OF CULINEX AND MAY NOT BE COPIED OR USED WITHOUT EXPRESSED WRITTEN PERMISSION BY AN OFFICER OF CULINEX.
- 2) THE DRAWINGS PROVIDED INDICATE THE GENERAL ARRANGEMENT AND LOCATION OF FOODSERVICE EQUIPMENT AND ARE REASONABLY EXACT BASED UPON INFORMATION PROVIDED BY THE ARCHITECT AND OTHERS AT THE TIME THE DOCUMENTS WERE PRODUCED. THEREFORE ACCURACY IS NOT GUARANTEED. THE DRAWINGS ARE FOR ASSISTANCE AND GUIDANCE. EXACT LOCATIONS AND LEVELS ARE TO BE GOVERNED BY THE BUILDING CONSTRUCTION DOCUMENTS. SHOULD IT BECOME NECESSARY TO DEVIATE FROM THIS ARRANGEMENT. SUCH DEVIATION SHALL BE MADE WITHOUT EXPENSE TO THE OWNER. ARCHITECT AND OR FOODSERVICE DESIGNER.
- ALL WORK, MATERIALS AND EQUIPMENT SHALL BE IN FULL ACCORDANCE WITH CURRENT CODES AND REGULATIONS OF LOCAL JURISDICTION AUTHORITIES. PUBLIC HEALTH. NATIONAL BOARD OF FIRE UNDERWRITERS AS WELL AS ANY LOCAL OR STATE ORDINANCES.
- IT SHALL BE THE RESPONSIBILITY OF THE FOODSERVICE EQUIPMENT CONTRACTOR TO OBTAIN A FULL SET OF CONSTRUCTION DOCUMENTS TO BE USED FOR REVIEW AND COORDINATION WITH OTHER TRADES. IT SHALL BE THE RESPONSIBILITY OF THE PROJECT ARCHITECT AND/OR THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER TO PROVIDE THE FOODSERVICE EQUIPMENT CONTRACTOR WITH CURRENT INFORMATION ON PROJECT SCHEDULE, SUPPLEMENT INSTRUCTIONS, PROPOSAL REQUESTS AND CHANGE ORDERS.
  - A. FOODSERVICE EQUIPMENT CONTRACTOR SHALL ATTEND CONSTRUCTION MEETINGS AS REQUIRED TO ENSURE PROPER MANAGEMENT OF THEIR SECTION
  - FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE THE GENERAL CONTRACTOR AND/OR CONSTRUCTION MANAGER ARCHITECT, AND FOODSERVICE CONSULTANT WITH MONTHLY REPORT OUTLINING THE PROJECT PROGRESS TO INCLUDE ALL ORDER DATES, WHEN SHOP DRAWINGS ARE RELEASED, SHIPPING AND INSTALLATION DATES.
- LAST DATE REVISION VOIDS AND SUPERSEDES ANY PREVIOUS DOCUMENTS WITH THE SAME DRAWING SHEET NUMBER. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER TO RECOVER AND DISPOSE OF ALL PREVIOUS ISSUED DOCUMENTS.
- 6) ALL TRADES SHALL VERIFY ALL DIMENSIONS, REQUIREMENTS, AND CONDITIONS BEFORE ANY WORK BEGINS
- 7) ALL TRADES SHALL COORDINATE ALL WORK TO ALLOW ACCESSIBILITY AND USABILITY BY OTHERS.
- 8) ALL TRADES SHALL PROVIDE PREFABRICATED ROOF CURBS FOR EQUIPMENT PLACED ON THE BUILDING ROOF. CURB SHALL BE PROVIDED AND INSTALLED BY EACH TRADE. ROOF WORK SHALL BE PROVIDED BY ROOFING CONTRACTOR
- 9) RACKS REQUIRED TO SUPPORT EQUIPMENT PROVIDED UNDER THIS PROJECT SHALL BE PROVIDED AND INSTALLED BY TRADE.
- 10) EACH TRADE SHALL PROVIDE OPENINGS AND/OR SLEEVES AND FIRE SEALANT REQUIRED TO COMPLETE INSTALLATION OF EQUIPMENT. FOODSERVICE EQUIPMENT CONTRACTOR SHALL COORDINATE OPENINGS WITH BUILDING CONTRACTOR.
- 11) ALL EQUIPMENT SHALL BE PROVIDED AND INSTALLED, UNLESS NOTED OTHERWISE, BY THE FOODSERVICE EQUIPMENT CONTRACTOR. ALL HVAC. PLUMBING. AND ELECTRICAL ROUGH-INS AND FINAL CONNECTIONS SHALL BE PROVIDED BY TRADE.
- 12) MILLWORK CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF FOODSERVICE EQUIPMENT THAT IS RELATED TO THE FIXTURES UNDER CONTRACT.
- 13) BUILDING CONTRACTOR SHALL PROVIDE AND COORDINATE THE FOLLOWING:
  - A. OPENINGS OR RECESSED FLOORS AND WALLS FOR INSTALLATION OF TROUGH, WALK-IN COOLER AND OR FREEZER, CONTROL PANELS, ETC; REFER TO PLANS FOR LOCATIONS, SIZES AND DETAILS FOR REQUIRED OPENINGS.
  - OPENINGS THRU FINISHED CEILINGS, IF REQUIRED, AND THRU ROOF TO SERVICE FOODSERVICE EQUIPMENT TO ROOF TOP EQUIPMENT SHALL BE FURNISHED BY BUILDING CONTRACTOR. THIS WORK SHALL INCLUDE STRUCTURAL SUPPORTS AS REQUIRED TO SUPPORT EQUIPMENT. FOODSERVICE IS TO VERIFY AND COORDINATE UNIT SIZE, WEIGHT, AND LOCATION WITH ALL TRADES.
  - FOODSERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE REMOVABLE ENCLOSURE PANELS FROM THE TOP OF WALK-IN COOLER AND FREEZER, AND EXHAUST HOODS TO FINISHED CEILING. (UNLESS OTHERWISE NOTED).
  - D. TRADE IS TO PROVIDE TRANSIT LEVELED FINISHED FLOOR FOR WALK-IN COOLER AND FREEZER INSTALLATION. SEE PLANS FOR INSTALLATION DETAIL.
- 14) BUILDING CONTRACTOR SHALL PROVIDE AND INSTALL WALL BACKING OR STEEL BACKING IN ALL WALLS AS OUTLINED IN THE SPECIAL CONDITIONS PLAN.
- 15) BUILDING CONTRACTOR SHALL PROVIDE STRUCTURAL SUPPORT TO HANG HOODS, BAR SOFFITS AND OTHER CEILING SUPPORTED
- 16) BUILDING CONTRACTOR SHALL PROVIDE AND INSTALL PVC OR EMT SLEEVE CHASE FOR REMOTE REFRIGERATION LINES, AND BEVERAGE LINES AS INDICATED ON PLANS. PROVIDE ALL STRUCTURAL PENETRATIONS AS NEEDED TO COMPLETE INSTALLATION. SEAL ALL STRUCTURAL PENETRATIONS AFTER INSTALLATION AS REQUIRED BY CODE.

	DRAWING SHEET INDEX									
SHEET NO	SHEET NAME									
FS100	FOODSERVICE EQUIPMENT COVER SHEET									
FS101	FOODSERVICE EQUIPMENT PLAN & SCHEDULE									
FS200	FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN									
FS300	FOODSERVICE EQUIPMENT ELEVATIONS & 3D VIEWS									
FS500	FOODSERVICE EQUIPMENT PLUMBING ROUGH-IN PLAN, SCHEDULE & DETAILS									
FS600	FOODSERVICE EQUIPMENT HVAC ROUGH-IN PLAN, SCHEDULE & DETAILS									
FS700	FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN, SCHEDULE & DETAILS									

PROJECT KEY PLAN

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PROJECT INDEX

PROJECT TITLE S. LAKE COMMUNITY CENTER

59979 County Rd 4 S. Lake, MN 56484

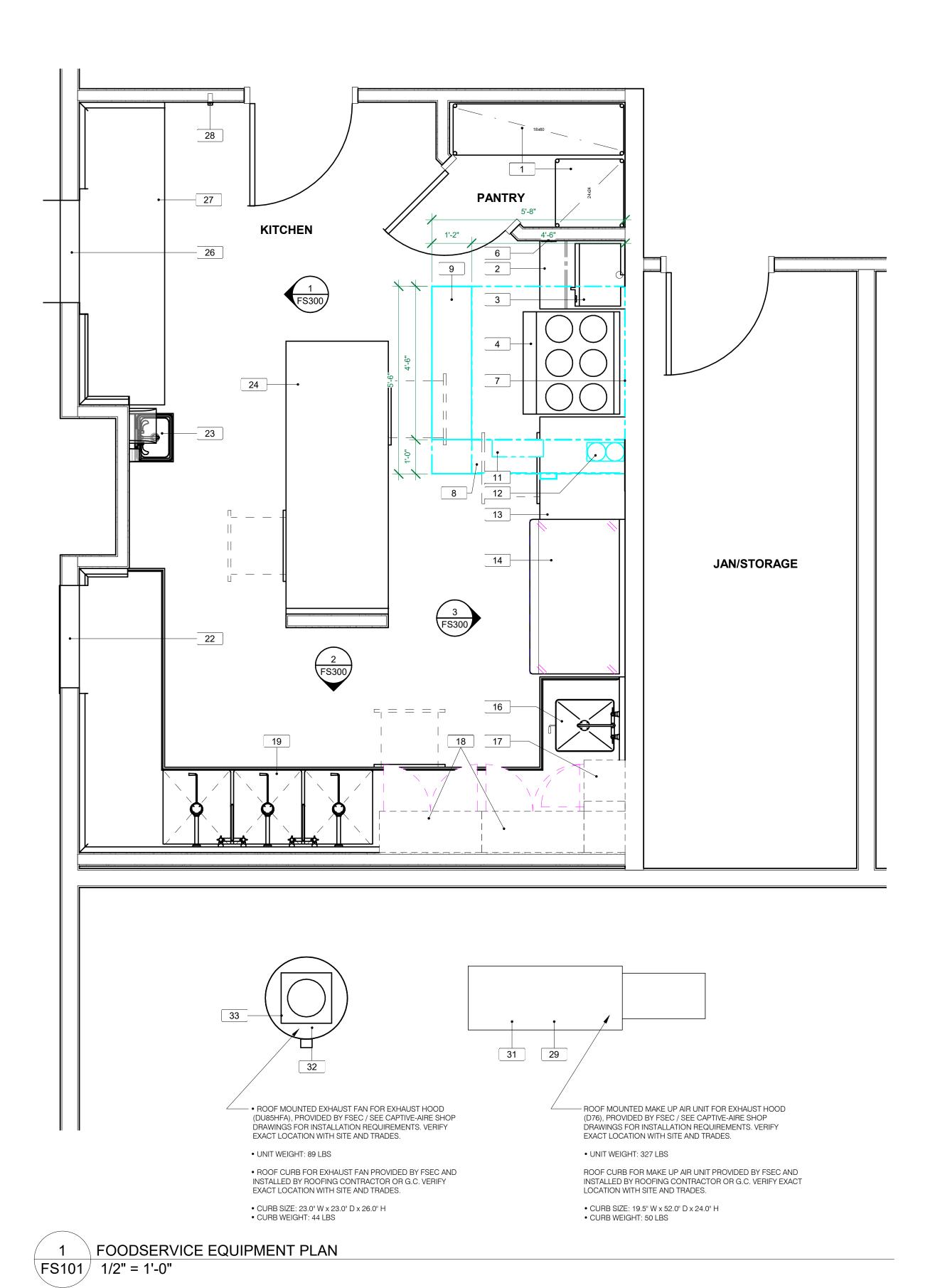
REVISIONS REV# DATE

DRAWN BY CHECKED BY: DATE: 03-09-20 PROJECT NUMBER: C2020.018

> SHEET TITLE **FOODSERVICE**

> > SHEET

**EQUIPMENT COVER** 



ГЕМ			
NO	QTY	DESCRIPTION	REMARKS
1	2	Dry Storage Shelving	
2	1	Work Table	
3	1	Microwave Oven w/ Shelf	
4	1	Electric Range	
5	1	** Spare Number **	
6	1	Hood Control Touch Screen	
7	1	Flat Stainless Steel Wall Panel	
8	1	Cooking Exhaust Hood	
9	1	Perforated Supply Plenum	
10	1	** Spare Number **	
11	1	Hood Control Panel	
12	1	Fire Protection System	
13	1	Work Table	
14	1	Two Section Refrigerator, Reach-In	
15	1	** Spare Number **	
16	1	Prep Sink	
17	1	Wall Cabinet	
18	2	Wall Cabinet	
19	1	Three Compartment Sink	
20	1	** Spare Number **	
22	1	Existing Pass-Thru	By Others
23	1	Hand Sink	·
24	1	Work Table	
25	1	** Spare Number **	
26	1	Existing Pass-Thru	By Others
27	1	Work Table w/ Pass-Thru	
28	1	Room Temperature Sensor	
29	1	Make Up Air Unit	
30	1	** Spare Number **	
31	1	Make Up Air Unit Curb	
32	1	Roof Top Exhaust Fan	
33	1	Roof Top Exhaust Fan Curb	

Culinex

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PROJECT KEY PLAN

PROJECT TITLE

S. LAKE COMMUNITY

CENTER

59979 County Rd 4 S. Lake, MN 56484

REVISIONS
REV# DATE ISS

DRAWN BY: NP
CHECKED BY: MV
DATE: 03-09-20
PROJECT NUMBER: C2020.018

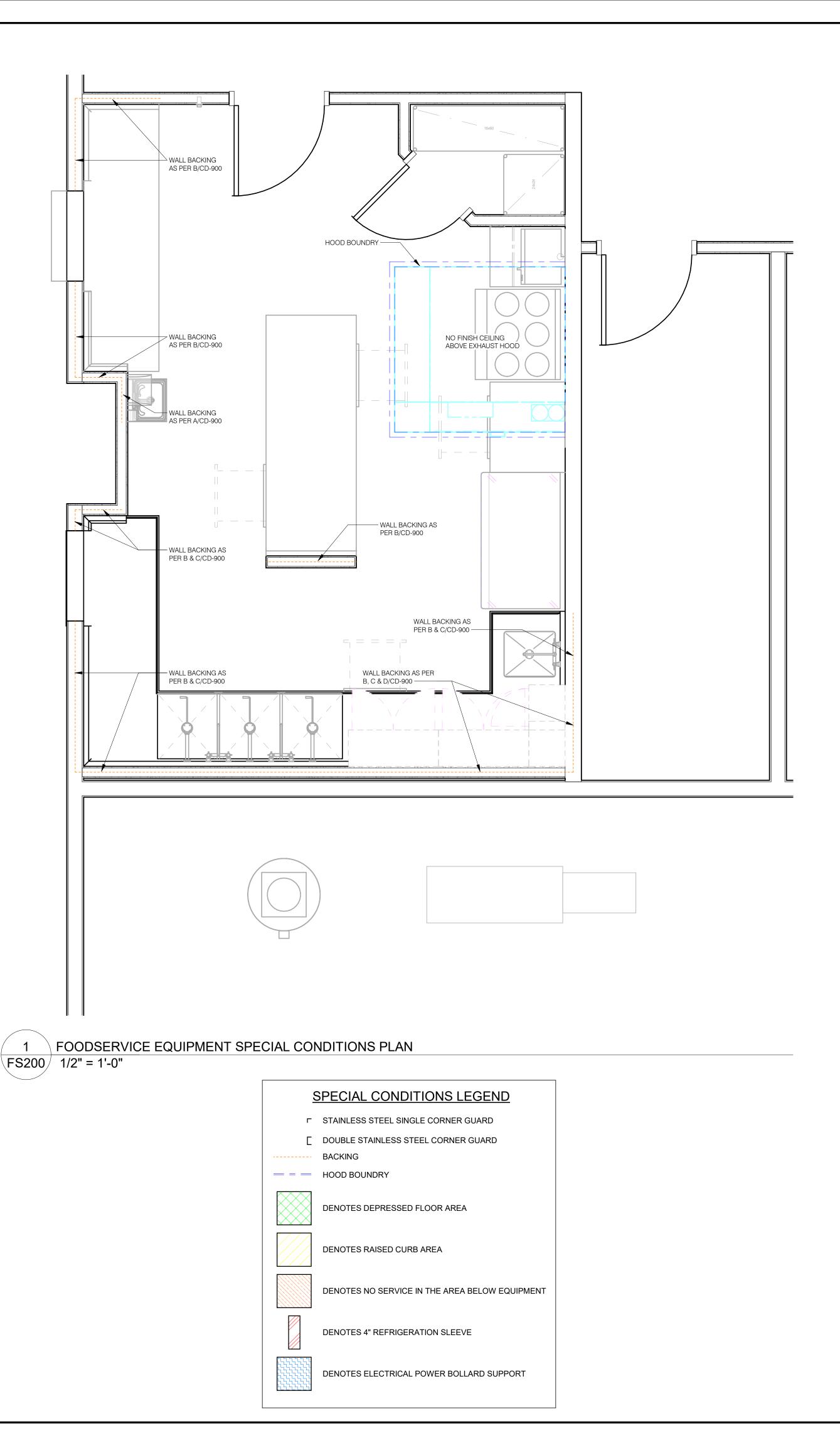
SHEET TITLE

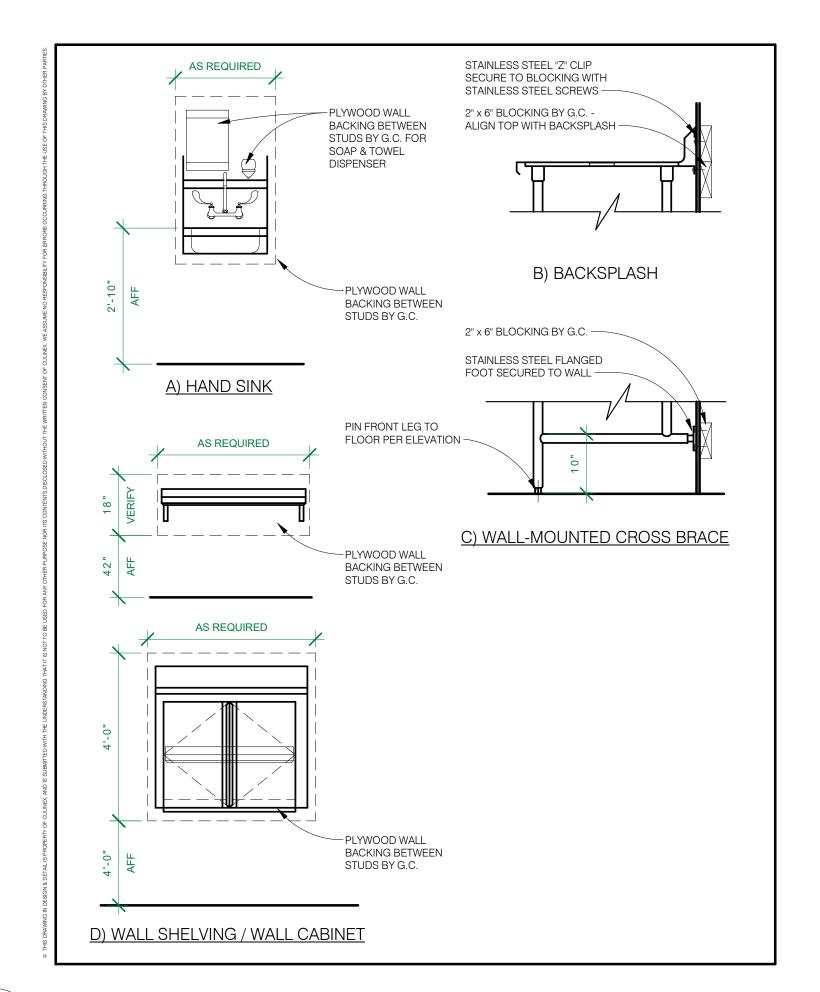
FOODSERVICE
EQUIPMENT PLAN &

SCHEDULE

SHEET NUMBER

FS101





2 CD-900 WALL BACKING FS200 NTS

A) SPRAY RINSE

BY FORM BETWEEN STUDS BY C.

PLYWOOD WALL BACKING RETWEEN STUDS BY C.

PLYWOOD WALL BACKING BY C.

PLYWOOD WALL

3 CD-901 WALL BACKING

FS200 NTS



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PROJECT INDEX

PROJECT KEY PLAN

PROJECT TITLE

S. LAKE COMMUNITY

CENTER

59979 County Rd 4 S. Lake, MN 56484

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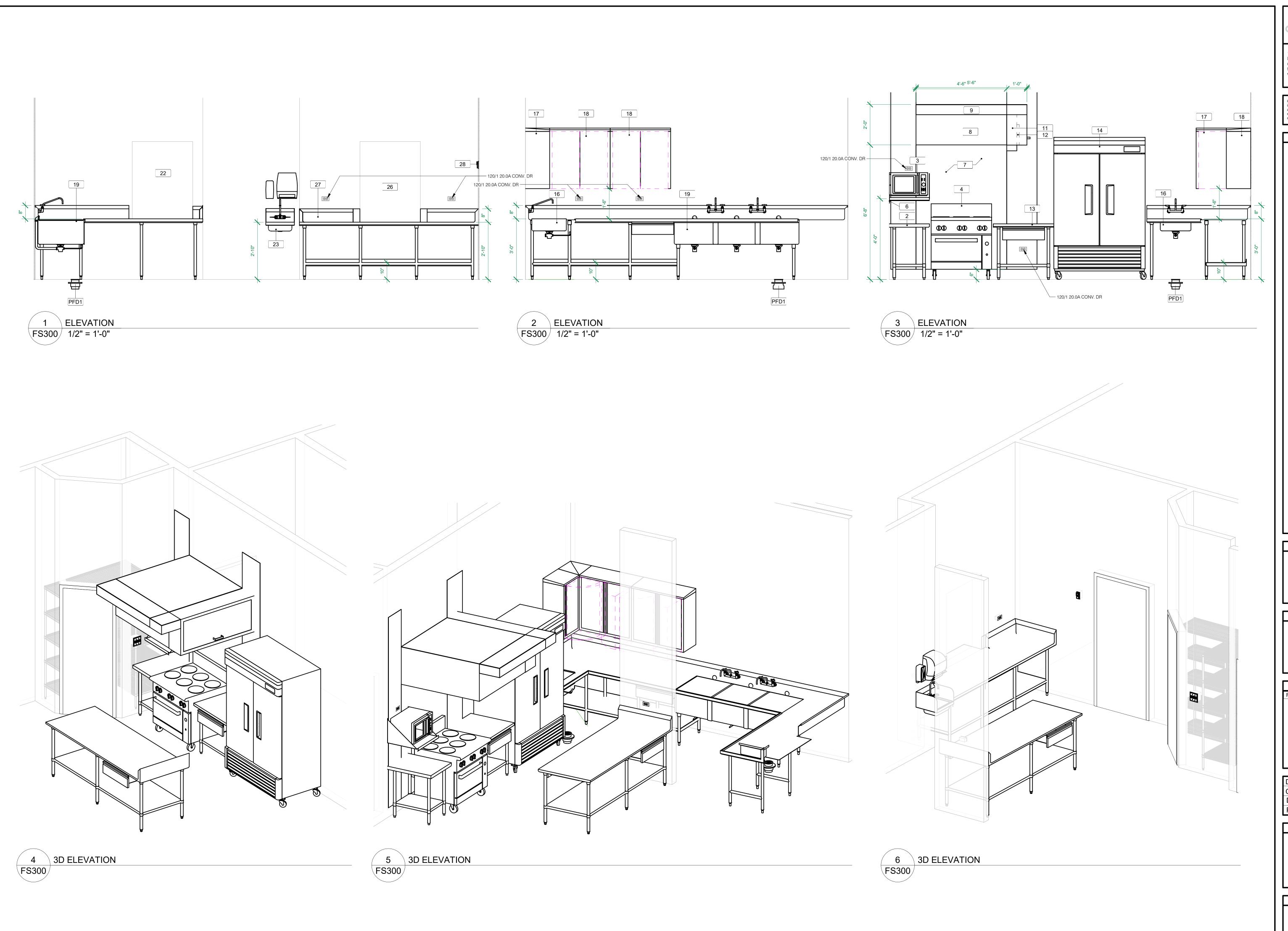
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CHECKED BY: MV
DATE: 03-09-20

SHEET TITLE

FOODSERVICE

FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN

FS200



311 4th Avenue South Sartell, MN 56377 (320) 259-6557 fax (320) 529-8905 www.goculinex.com 1802 1st Avenue South Fargo, ND 58108 (800) 437-4076 fax (800) 232-1323 www.goculinex.com

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PROJECT INDEX

PROJECT KEY PLAN

PROJECT TITLE S. LAKE COMMUNITY CENTER

59979 County Rd 4 S. Lake, MN 56484

REVISIONS

DRAWN BY: 03-09-20

CHECKED BY: PROJECT NUMBER: C2020.018

> SHEET TITLE FOODSERVICE EQUIPMENT ELEVATIONS & 3D VIEWS

#### **GENERAL PLUMBING NOTES:**

- FLOOR DRAINS SHOWN ON THIS PLAN ARE ONLY THOSE RELATED TO THE FOODSERVICE EQUIPMENT AREAS. SEE ARCHITECTS PLANS FOR OTHER FLOOR DRAIN LOCATIONS.
- GENERAL CONTRACTOR TO PROVIDE 1/4" PITCHED AREA OF 8" AROUND THE CENTER LINE OF FLOOR DRAINS.
- A LEVEL FLOOR SHALL BE PROVIDED AROUND ALL FLOOR SINKS AND FLOOR TROUGH DRAINS.
- ALL CONNECTION NUMBERS DIMENSIONED ON THIS PLAN ARE ROUGH-IN LOCATIONS. THE SIZE LISTED ON THE SCHEDULE AND THE DESCRIPTION ARE THE CONNECTIONS FOR THAT PIECE OF EQUIPMENT. SIZING OF ROUGH-INS ARE DETERMINED BY PLUMBING AND OR PIPING CONTRACTOR.
- PLUMBING AND OR PIPING CONTRACTOR TO FURNISH ALL LABOR AND MATERIALS REQUIRED TO MAKE FINAL CONNECTIONS FROM SERVICE ROUGH-INS TO CONNECTION ON EQUIPMENT AND INTERCONNECTIONS BETWEEN EQUIPMENT. ALL ACCORDING TO APPLICABLE CODES.
- PLUMBING AND OR PIPING CONTRACTOR TO PROVIDE ALL NECESSARY SHUT-OFF VALVES, BACKFLOW PREVENTION DEVICES. PRESSURE REGULATORS, AND ETC., FOR EQUIPMENT INSTALLED AHEAD OF EQUIPMENT CONTROL VALVE, UNLESS OTHERWISE
- FLUSH ALL WATER LINES PRIOR TO CONNECTION TO ANY FOODSERVICE EQUIPMENT.
- GENERAL CONTRACTOR/GENERAL MANAGER/BUILDING CONTRACTOR SHALL BE PROVIDE HOLES, SLEEVES THROUGH ROOF, FLOOR, CEILING AND WALLS FOR SODA LINES, BEER LINES, REFRIGERATION LINES AND UTILITIES. SEAL IN ACCORDANCE AS PER LOCAL FIRE AND BUILDING CODES AND IN ACCORDANCE WITH SIZES SPECIFIED. HOLES IN FOODSERVICE EQUIPMENT FOR THE PLUMBING SERVICES SHALL BE PROVIDED BY FSEC.
- HEALTH CODES REQUIRE ALL PLUMBING TO BE ENCLOSED IN WALL OR FLOOR. EXPOSED PIPING RUNS SHALL BE AS SHORT AS POSSIBLE. EXPOSED HORIZONTAL PIPING SHALL BE 6" AFF AND 1" MIN. OFF THE WALL. ALL EXPOSED PIPING SHALL BE CHROME
- ALL INDIRECT WASTES FOR FOODSERVICE EQUIPMENT SHALL BE EXTENDED TO FLOOR DRAIN BY PLUMBING AND OR PIPING CONTRACTOR, UNLESS OTHERWISE SPECIFIED.
- K. ALL FAUCET DIMENSIONS SHALL BE 8" O.C., UNLESS OTHERWISE SPECIFIED.
- INCOMING HOT WATER TEMPERATURE SHALL BE MINIMUM OF 120° F TO ALL SINKS AND EQUIPMENT WITHIN THE KITCHEN AND SERVING AREA. HAND SINK WATER TEMPERATURE AS PER ENGINEERS STANDARDS.
- COORDINATE ALL SERVICES WITH ENGINEERS DOCUMENTS. ALL ISSUES ARE THE FSEC RESPONSIBILITY TO REVIEW AND
- ALL SERVICES PROVIDED ON THIS DRAWING ARE INDICATED AS PER MANUFACTURE CURRENT LISTINGS AT TIME OF LAST DATE

THESE GENERAL NOTES PERTAIN TO THE PLUMBING ROUGH-IN DRAWINGS

## PLUMBING SCHEDULE NOTES:

- SINK FAUCETS, DRAINS, AND FLOOR TROUGHS SHALL BE FURNISHED LOOSE BY FSEC FOR INSTALLATION BY PLUMBING AND OR PIPING CONTRACTOR. THE PLUMBING AND OR PIPING CONTRACTOR SHALL TRIM AND COMPLETE ALL FINAL PLUMBING CONNECTIONS REQUIRED.
- INDIRECT WASTES FOR COOLER AND OR FREEZER COIL DRAIN SHALL BE EXTENDED TO FLOOR DRAIN OR SINK BY FSEC.
- GAS QUICK DISCONNECTS SHALL BE PROVIDED BY FSEC. INSTALLATION SHALL BE BY THE PLUMBING AND OR PIPING CONTRACTOR.
- GAS SHUT-OFF VALVE SHALL BE PROVIDED BY TRADE FOR INSTALLATION BY PLUMBING AND OR PIPING CONTRACTOR. ELECTRICAL CONTRACTOR TO INTER CONNECTION FIRE PROTECTION SYSTEM FOR FUEL SHUT DOWN TO COOKING EQUIPMENT LOCATED BELOW HOOD, SO THAT UPON ACTIVATION OF THE FIRE SYSTEM, FUEL WILL BE SHUT OFF.
- GAS LINES SHALL BE ROUTED INSIDE THE WALL TO SERVICE GAS CONNECTIONS BEHIND COOKING EQUIPMENT. ROUGH-IN GAS LINE STUB OUTS FOR EACH INDIVIDUAL PIECE OF COOKING EQUIPMENT AS SHOWN ON PLAN. SUPPLY CUT OFF WHERE CONVENIENT FOR SERVICING OF GAS EQUIPMENT. FLEXIBLE QUICK DISCONNECT GAS HOSES SHALL BE SUPPLIED BY FSEC AND INSTALLED BY PLUMBING OR PIPING CONTRACTOR. PLUMBING AND OR PIPING CONTRACTOR SHALL PROVIDE ALL PRESSURE REGULATORS AS REQUIRED TO OPERATE COOKING EQUIPMENT:
  - ALL NATURAL GAS CONNECTIONS SHALL BE MINIMUM OF 6" W.C. AND MAXIMUM OF 12" W.C. WITH 10" AVERAGE OPERATION PRESSURE.
  - B. ALL L.P. GAS CONNECTIONS SHALL BE MAXIMUM OF 13" W.C.
- VERIFY ALL SERVICES WITH EXISTING UNIT AND OR VERIFY ALL SERVICES WITH VENDOR
- PLUMBING AND OR PIPING CONTRACTOR SHALL INSTALL SOLENOID VALVE AND VACUUM BREAKER PRIOR TO DISPOSER AND OR WATER INLET SUPPLIED BY FSEC.
- SINK DRAIN LINE SHALL RUN THRU THE GREASE TRAP.
- PLUMBING AND OR PIPING CONTRACTOR SHALL PROVIDE TELLTALE FLOOR DRAINS AS NECESSARY FOR CODE REQUIREMENTS.
- WATER LINES SHALL BE ROUTED INSIDE THE WALL TO SERVICE WATER CONNECTIONS BEHIND BEVERAGE EQUIPMENT ROUGH-IN WATER LINES OUTS FOR EACH INDIVIDUAL PIECE OF BEVERAGE EQUIPMENT AS SHOWN ON PLAN. SUPPLY CUT OFF WHERE CONVENIENT FOR SERVICING OF BEVERAGE EQUIPMENT. LINES SHALL BE INSTALLED BY PLUMBING AND OR PIPING
- 11) WHEN LOCAL FIRE AUTHORITY REQUIRES SYSTEM TO BE SERVICED FROM SPRINKLER WATER SERVICES. THE SPRINKLER CONTRACTOR SHALL PROVIDE ALL MONITORING DEVICES.
- 12) EXTEND SERVICE OUT 1" TO ALLOW FOR 1" THICK INSULATED WALL PANEL.
- 13) 30" FLEX HOSE CONNECTION FOR WATER SHALL BE PROVIDED BY FSEC AND INSTALLATION SHALL BE BY PLUMBING AND OR PIPING CONTRACTOR. PLUMBING CONTRACTOR TO EXTEND SERVICES TO ALLOW FOR 30" HOSE.

THESE SCHEDULE NOTES PERTAIN TO THE PLUMBING ITEMS AS REFERENCED ON THE ROUGH-IN SCHEDULE

# PLUMBING LEGEND

- INDIRECT WASTE
- DIRECT WASTE
- FLOOR DRAIN
- FLOOR DRAIN W/ 4" FUNNEL
- FLOOR SINK W/HALF GRATE
- FLOOR SINK W/FULL GRATE

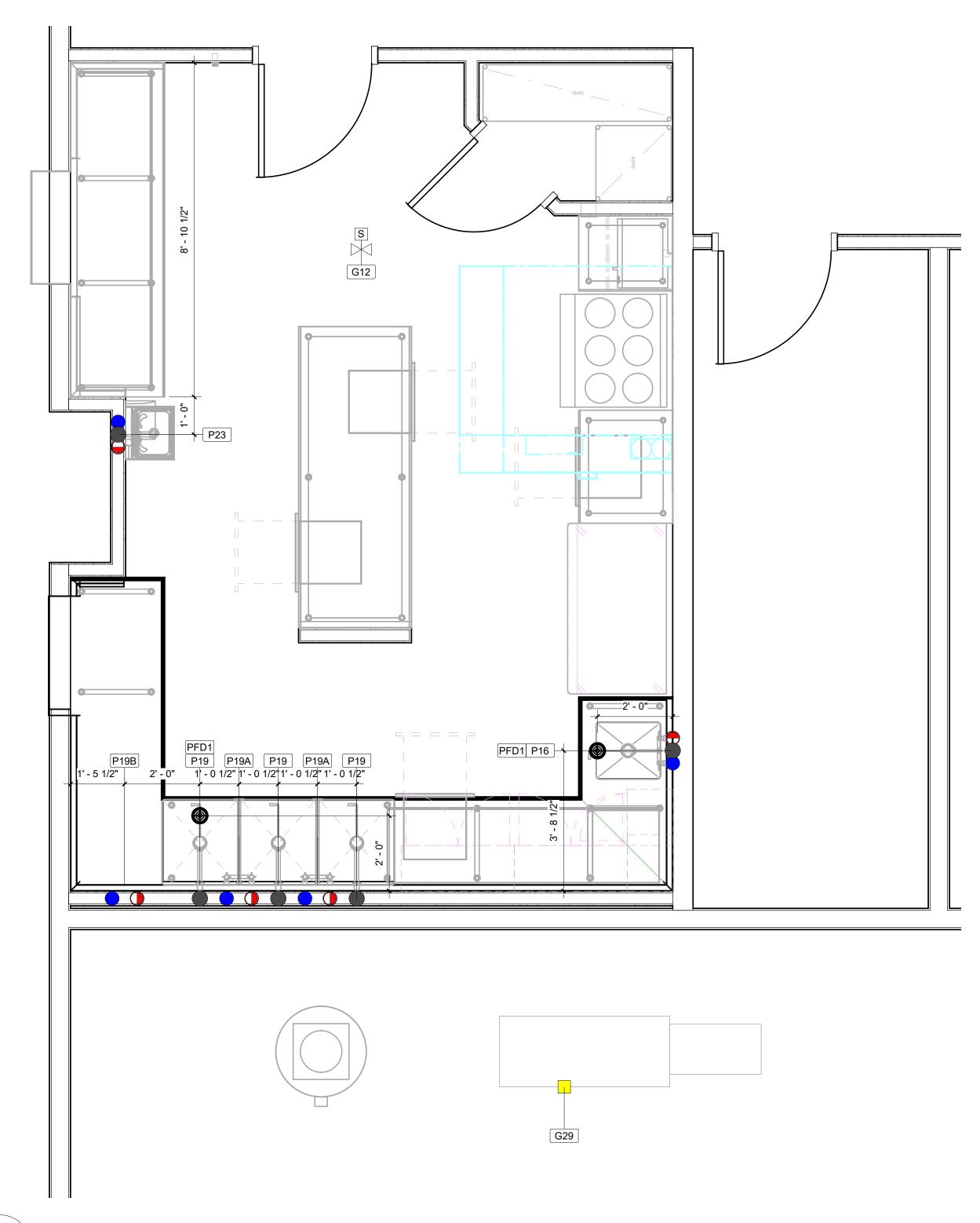
HUB DRAIN

- FLOOR SINK W/NO GRATE
- VENT FOR DRAIN
- GAS W/ QUICK DISCONNECT
- REFRIGERATION LINES
- **HOT WATER**
- FILTERED OR SOFTEN HOT WATER
- COLD WATER
- FILTERED OR SOFTEN COLD WATER
- HOT WATER HOSE BIB
- COLD WATER HOSE BIB
- SODA CONDUIT LINE
- BEER CONDUIT LINE
- MECHANICAL GAS SHUT-OFF VALVE FOR FIRE SYSTEM



- STEAM SUPPLY
- STEAM RETURN
- ABOVE FINISHED FLOOR
- BELOW FINISHED FLOOR
- DOWN FROM ABOVE
- UP FROM BELOW
- ---- BEER & SODA LINES ---- REFRIGERATION LINES
- ----- WATER LINES
  - WATER LINES SOFTEN OR FILTERED

---- DRAIN LINES



FOODSERVICE EQUIPMENT PLUMBING ROUGH-IN PLAN FS500/ 1/2" = 1'-0"

	PLUMBING ROUGH-IN SCHEDULE											
				DIRECT-DE	RAIN		COLD WA	TER		HOT WATER		
				ROL	JGH-IN		ROU	GH-IN		ROUGH-IN		
ITEM NO	QTY	DESCRIPTION	SIZE	HEIGHT	ABRV.	SIZE	HEIGHT	ABRV.	SIZE	HEIGHT	ABRV.	REMARKS & NOTES
P16	1	Prep Sink	2"	1'-0"	AFF	3/4"	1'-4"	AFF	3/4"	1'-4"	AFF	Note 1 & 9
P19	3	Three Compartment Sink	2"	1'-0"	AFF							Note 1 & 9
P19A	2	Three Compartment Sink - Faucet	O"	0"		3/4"	1'-4"	AFF	3/4"	1'-4"	AFF	Note 1
P19B	1	Three Compartment Sink - Soap Dispenser	0"	0"		1/2"	2'-0"	AFF	1/2"	2'-0"	AFF	Shut-Off Valve for Soap Dispenser / Back flow Preventer by Vendor / Note 6
P23	1	Hand Sink	1 1/2"	1'-10"	AFF	1/2"	2'-2"	AFF	1/2"	2'-2"	AFF	Note 1 / CD-570
PFD1	2	Floor Drain	4"	0"	BFF	0"	0"		0"	0"		Floor Drain by PC

				GAS ROUC	NI-HE	SCHEDULE			
			_	G/ 10 11000		SOFILEGEL			
				G	GAS .		ROUGH-IN		
ITEM NO	QTY	DESCRIPTION	SIZE	INPUT	TYPE	PRESSURE	HEIGHT	ABRV	REMARKS & NOTES
G12	1	Fire Protection System	0"	0.0 Btu/h	LP		O"		Gas Valve / Verify Connection Size /
									Above Ceiling / Note 4
G29	1	Make Up Air Unit	1"	100,650.0 Btu/h	LP	10	0"		



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PROJECT INDEX

PROJECT KEY PLAN

PROJECT TITLE S. LAKE COMMUNITY

CENTER

59979 County Rd 4 S. Lake, MN 56484

REVISIONS REV# DATE ISSUE

DRAWN BY CHECKED BY: DATE: 03-09-20

SHEET TITLE **FOODSERVICE EQUIPMENT PLUMBING** ROUGH-IN PLAN,

**SCHEDULE & DETAILS** 

PROJECT NUMBER: C2020.018

#### **GENERAL HVAC NOTES:**

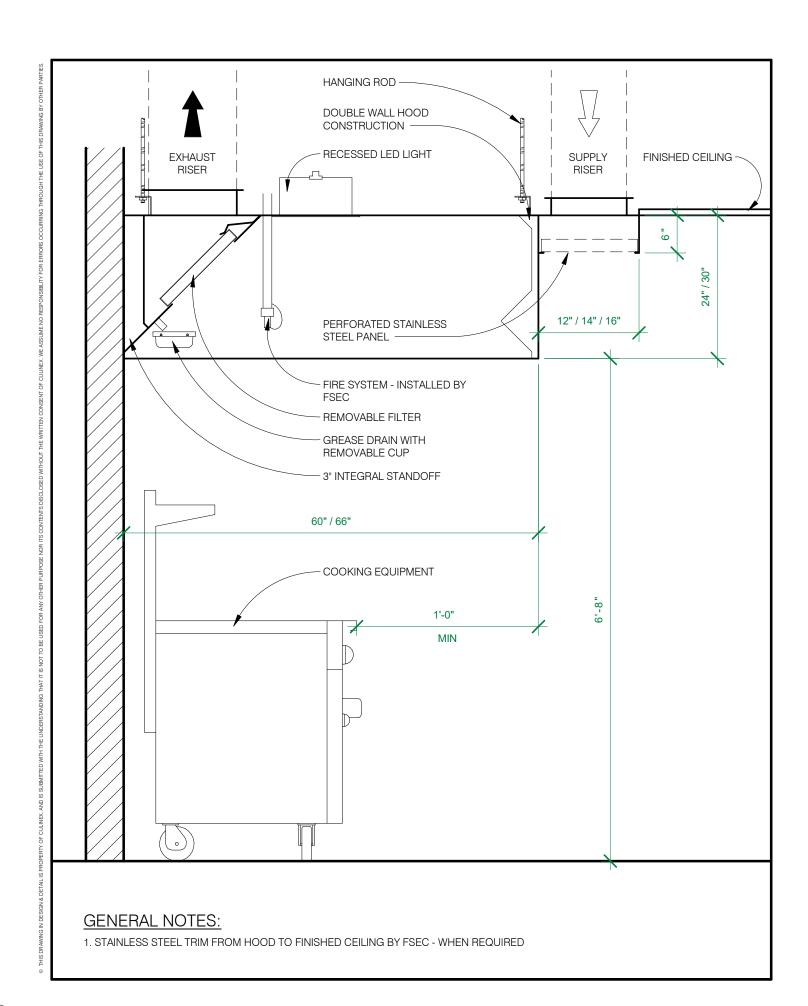
- ALL CONNECTION NUMBERS DIMENSIONED ON THIS PLAN ARE ROUGH-IN LOCATIONS. THE SIZE LISTED ON THE SCHEDULE AND THE DESCRIPTION ARE THE CONNECTIONS FOR EACH HOOD.
- HVAC CONTRACTOR TO RECEIVE, UNLOAD AND FURNISH ALL LABOR & MATERIALS REQUIRED FOR A COMPLETE INSTALLATION OF THE CAPTIVE-AIRE EQUIPMENT PROVIDED BY FSEC. ALL ACCORDING TO APPLICABLE CODES. (ELECTRICAL BY OTHERS)
- GENERAL CONTRACTOR/GENERAL MANAGER/BUILDING CONTRACTOR TO PROVIDE HOLES, SLEEVES THROUGH ROOF, FLOOR, CEILING AND WALLS FOR DUCT CONNECTIONS. SEAL IN ACCORDANCE AS PER LOCAL FIRE AND BUILDING CODES AND IN ACCORDANCE WITH SIZES SPECIFIED. GENERAL CONTRACTOR/GENERAL MANAGER/BUILDING CONTRACTOR SHALL PROVIDE ALL DUCT FIRE SEPARATIONS, ENCLOSURES, WRAPPING AND ETC. AS MAY BE REQUIRED BY LOCAL FIRE AND BUILDING CODES.
- ALL GREASE EXHAUST DUCT FIRE PROTECTION COVERAGE SHALL BE INDEPENDENT FROM VENT HOOD AND HOOD FIRE SYSTEM COVERAGE, SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR. WHEN THE DUCT LENGTH EXCEEDS 75 FEET.
- ALL EXHAUST AND SUPPLY FANS AND CONTROLS ARE TO BE PROVIDED AND INSTALLED BY OTHERS; UNLESS OTHERWISE NOTED AND OR CALLED OUT BY ITEM NUMBER ON HVAC ROUGH-IN SCHEDULE.
- COORDINATE ALL SERVICES WITH ENGINEERS DOCUMENTS. ALL ISSUES ARE THE FSEC RESPONSIBILITY TO REVIEW AND VERIFY WITH TRADES.
- G. ALL SERVICES PROVIDED ON THIS DRAWING ARE INDICATED AS PER MANUFACTURE CURRENT LISTINGS AT TIME OF LAST DATE.

#### THESE GENERAL NOTES PERTAIN TO THE HVAC ROUGH-IN DRAWINGS

#### **HVAC SCHEDULE NOTES:**

- IN THE DISH ROOM, ANTICIPATE LATENT AND SENSIBLE HEAT GAIN FROM THE DISHMACHINE AND BOOSTER HEATER AS LISTED BELOW:
  - LATENT HEAT: XX,XXX BTU/HR SENSIBLE HEAT: XX,XXX BTU/HR
  - PLEASE VENTILATE THE DISHROOM ACCORDINGLY:
  - ASSUME THE DISHMACHINE SHALL BE OPERATIONAL 6-8 HOURS PER DAY SCHOOL / COMMUNITY CENTER
    - ASSUME THE DISHMACHINE SHALL BE OPERATIONAL 8-10 HOURS PER DAY NURSING HOME ASSUME THE DISHMACHINE SHALL BE OPERATIONAL 8-10 HOURS PER DAY - ASSISTED
    - ASSUME THE DISHMACHINE SHALL BE OPERATIONAL 16-18 HOURS PER DAY RESTAURANT
- 2) FSEC CONTRACTOR SHALL VERIFY EXHAUST AND SUPPLY DUCT RUN WITH HVAC CONTRACTOR. THE HOOD SYSTEM SHALL BE DESIGNED WITH LIMITED STATIC PRESSURE FOR EXHAUST AND SUPPLY FANS. IS SHALL BE THE HVAC CONTRACTOR'S RESPONSIBILITY TO COORDINATE FINAL DUCT, INSTALLATION, AND FAN SIZES.
- HVAC CONTRACTOR AND FSEC SHALL COORDINATE DUCT LOCATION WITH STRUCTURAL AND MANUFACTURE.
- 4) NO SLOTTED DIFFUSER 10'-0" AROUND ALL SIDES OF HOODS AND PSP.
- WEIGHT PROVIDED BELOW ARE FOR EXHAUST HOOD AND SUPPLY PLENUM ONLY. VERIFY FINAL WEIGHTS WITH MANUFACTURE SHOP DRAWINGS.
- A. ITEM #8/9 = 440 LBS
- HEAT SENSOR FOR DUCTS SHALL BE PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR UNLESS OTHERWISE NOTED IN SPECIFICATIONS SECTION 114000. HEAT SENSOR SHALL MEET THE REQUIREMENTS OF IMC 507.2.1.1. WHICH REQUIRES EXHAUST FANS TO ACTIVATE WHEN COOKING OPERATION OCCUR.

THESE SCHEDULE NOTES PERTAIN TO THE HVAC ITEMS AS REFERENCED ON THE ROUGH-IN SCHEDULE







EXHAUST DUCT CONNECTION



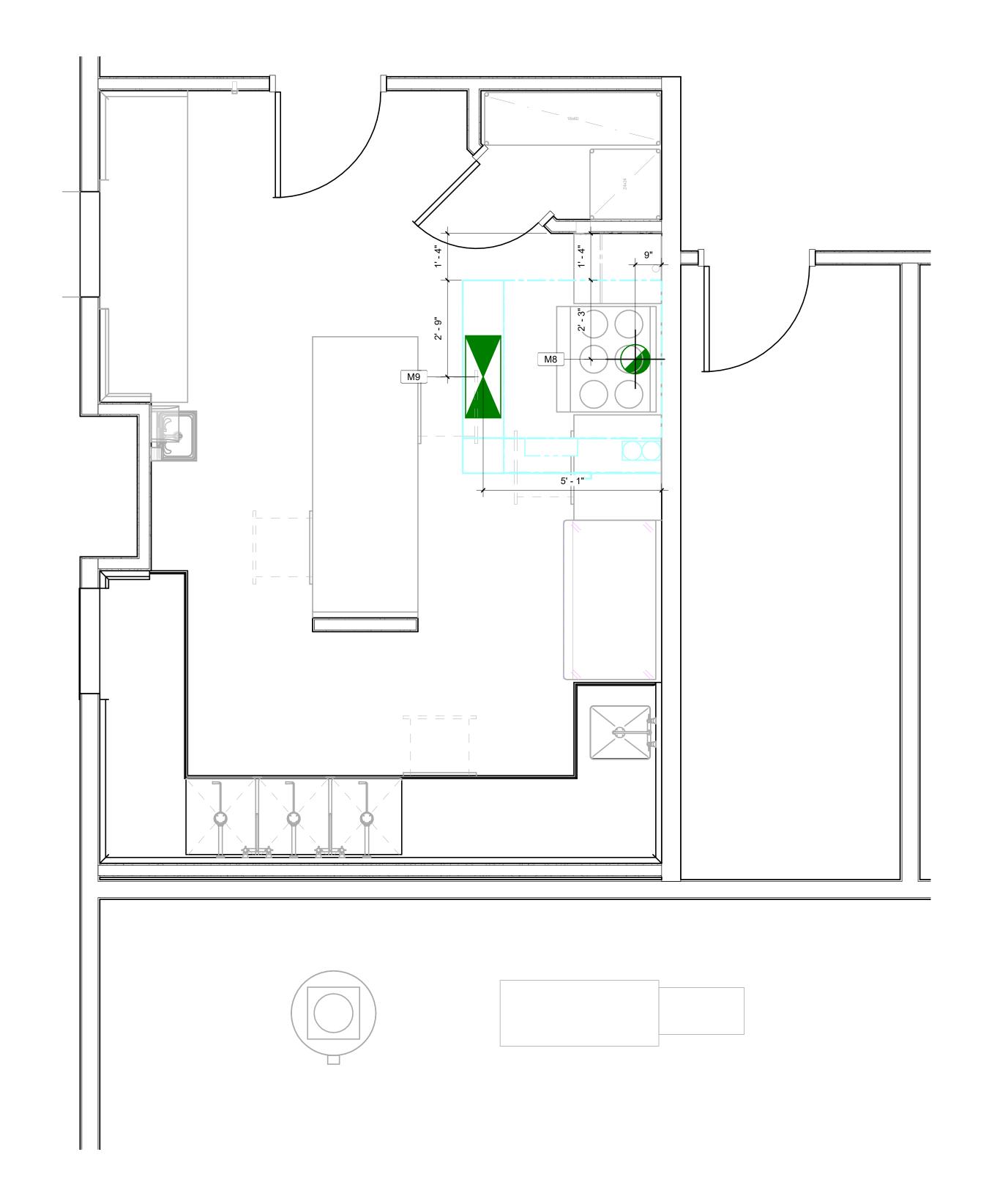
ROUND EXHAUST DUCT CONNECTION



SUPPLY DUCT CONNECTION

ROUND SUPPLY DUCT CONNECTION

			HVAC I	ROUGH-IN S	CHEDULE			
			EXHAUS	T AND SUPP	LY DUCT	ROUGH	H-IN	
ITEM NO	QTY	DESCRIPTION	SIZE	CFM	SP	HEIGHT	ABRV.	HVAC REMARKS
M8	1	Exhaust Hood Exhaust Duct	10"ø	900	-0.734	9'-0"	AFF	Note 2, 3, 4, 5 & 6 / CD-601 - FS600
M9	1	Perforated Plenum	12"x28"	775	0.18	9'-0"	AFF	Note 2, 3, & 4 / CD-601 - FS600





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PROJECT INDEX

PROJECT KEY PLAN

PROJECT TITLE S. LAKE COMMUNITY CENTER

59979 County Rd 4 S. Lake, MN 56484

REVISIONS REV# DATE

DRAWN BY: CHECKED BY: 03-09-20 PROJECT NUMBER: C2020.018

SHEET TITLE

FOODSERVICE **EQUIPMENT HVAC** ROUGH-IN PLAN, SCHEDULE & DETAILS

#### GENERAL ELECTRICAL NOTES:

- A. ALL 120 VOLT DUPLEX RECEPTACLES SHALL BE A MINIMUM OF 20.0 AMP CIRCUIT, UNLESS OTHERWISE NOTED.
- B. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL DISCONNECT SWITCHES FOR EQUIPMENT. INSTALL AHEAD OF EQUIPMENT CONTROL OR SWITCH.
- C. FSEC SHALL BE RESPONSIBLE FOR SETTING EQUIPMENT IN PLACE READY FOR FINAL CONNECTION AND INTERCONNECTIONS. FINAL CONNECTIONS FOR THIS EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- MOUNT ALL DUPLEX RECEPTACLES HORIZONTALLY IN WALL, UNLESS OTHERWISE NOTED.
- E. ALL CONNECTION NUMBERS DIMENSIONED FOR ON THIS PLAN ARE ROUGH-IN LOCATIONS. THE LOAD LISTED ON THE SCHEDULE AND THE DESCRIPTION ARE THE CONNECTIONS FOR THAT PIECE OF EQUIPMENT. SIZING OF ROUGH-INS ARE DETERMINED BY ELECTRICAL CONTRACTOR.
- F. ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS REQUIRED TO MAKE FINAL CONNECTIONS FROM SERVICE ROUGH-INS TO CONNECTION ON EQUIPMENT AND INTERCONNECTIONS BETWEEN EQUIPMENT. ALL ACCORDING TO APPLICABLE CODES.
- G. GENERAL CONTRACTOR SHALL PROVIDE HOLES, SLEEVES THROUGH ROOF, FLOOR, CEILINGS AND WALLS FOR UTILITIES. SEAL IN ACCORDANCE WITH LOCAL FIRE AND BUILDING CODES AND IN ACCORDANCE WITH SIZES SPECIFIED. HOLES IN FOODSERVICE EQUIPMENT ARE FOR THE ELECTRICAL SERVICES PROVIDED BY FSEC.
- H. ALL EQUIPMENT 250 VOLT OR LESS AND 60 AMPERES OR LESS, SINGLE OR 3-PHASE SHALL OPERATE WITH A (GFCI) GROUND-FAULT CIRCUIT-INTERRUPTER DEVICE.
- I. ALL EXPOSED CONDUIT SHALL BE SEALTIGHT OR EPOXY COATED FOR CLEANING TO COMPLY WITH LOCAL HEALTH CODES. MC
- J. COORDINATE ALL SERVICES WITH ENGINEERS DOCUMENTS. ALL ISSUES ARE THE FSEC RESPONSIBILITY TO REVIEW AND VERIFY WITH TRADES
- ALL SERVICES PROVIDED ON THIS DRAWING ARE INDICATED AS PER MANUFACTURE CURRENT LISTINGS AT TIME OF LAST DATE.

THESE GENERAL NOTES PERTAIN TO THE ELECTRICAL ROUGH-IN DRAWINGS

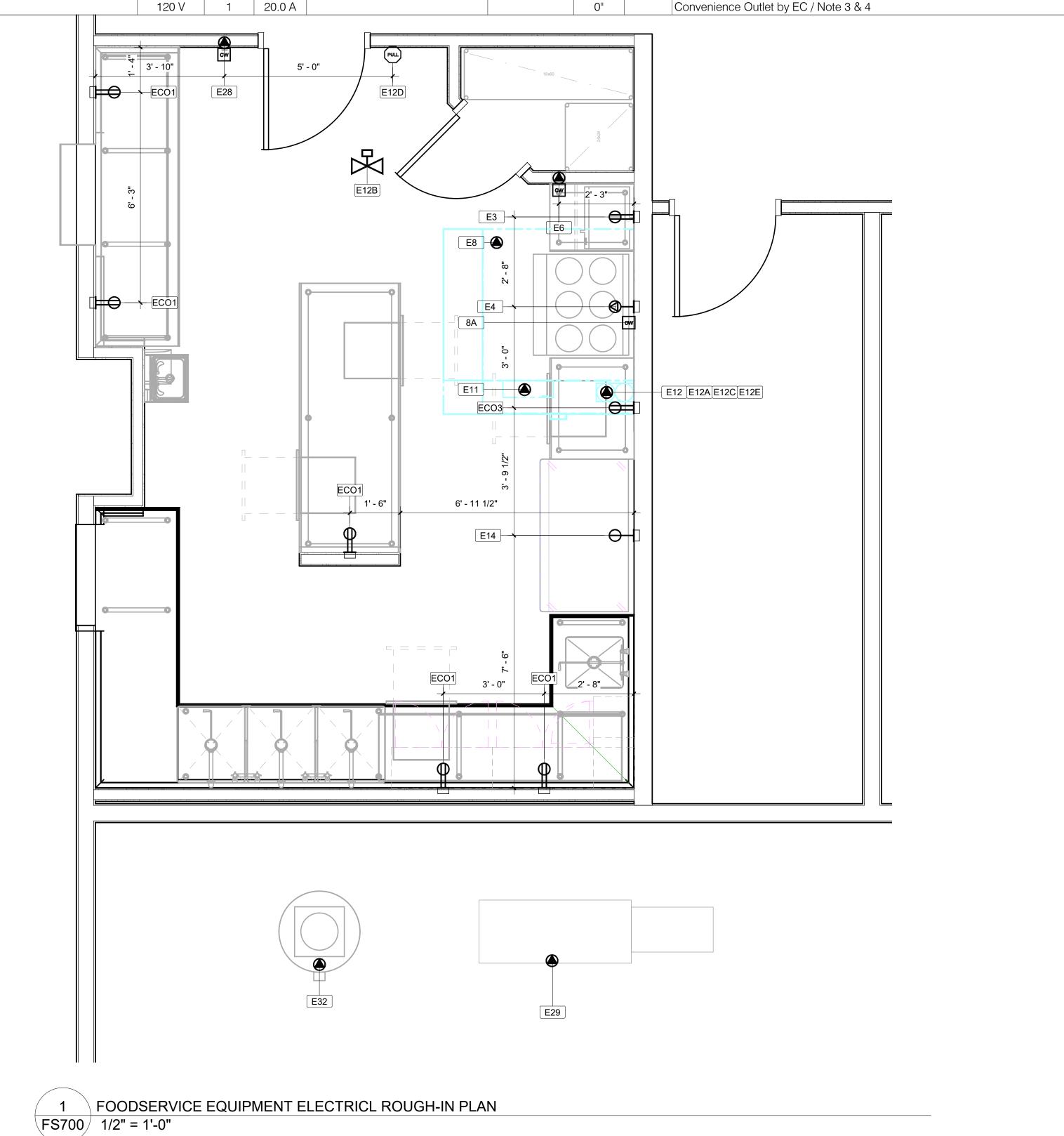
1 Convenience Oulet

#### **ELECTRICAL SCHEDULE NOTES:**

- 1) FSEC SHALL PROVIDE ALL RECEPTACLES IN FABRICATED EQUIPMENT AND WILL PRE-WIRE ELECTRICAL COMPONENTS IN COUNTER FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.
- 2) ELECTRICAL CONTRACTOR SHALL INTERWIRE FIRE PROTECTION SYSTEM WITH BUILDING ALARM SYSTEM.
- 3) ELECTRICAL CONTRACTOR SHALL INTERWIRE FIRE PROTECTION SYSTEM TO POWER SHUT-OFF DEVICE SUPPLIED BY FIRE PROTECTION SYSTEM INSTALLATION CONTRACTOR, SO THAT THE POWER TO ALL ELECTRICAL EQUIPMENT BELOW HOODS WILL BE SHUT-OFF UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM.
- 4) ELECTRICAL CONTRACTOR SHALL INTERWIRE FIRE PROTECTION SYSTEM TO ELECTRICAL GAS VALVE SOLENOID SO THE GAS TO ALL COOKING EQUIPMENT BELOW HOODS WILL BE SHUT-OFF UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM. ELECTRICAL CONTRACTOR SHALL INTREWIRE FROM WALL MOUNTED GAS VALVE RESET STATION TO ELECTRIC GAS VALVE SOLENOID LOCATED ABOVE FINISH CEILING AND INSTALLED BY PLUMBING & OR PIPING CONTRACTOR.
  - A. A CHEMICAL FIRE SYSTEM PROVIDED BY FSEC: MECHANICAL OR ELECTRICAL GAS SOLENOID/ SHUT-OFF VALVE PROVIDED BY FSEC PER SECTION 114000 AND INSTALLED BY PLUMBING & OR PIPING CONTRACTOR. WHEN ELECTRICAL GAS RESET STATION IS SPECIFIED, IT SHALL BE PROVIDED BY FSEC AND INSTALLED AND INTERWIRED BY ELECTRICAL CONTRACTOR. REMOTE PULL STATION SHALL BE PROVIDED AND INSTALLED BY FSEC. ELECTRICAL CONTRACTOR SHALL PROVIDE 1/2" EMPTY CONDUIT TO WALL MOUNTED OCTAGONAL JUNCTION BOX FOR REMOTE PULL STATION. FIELD VERIFY PULL STATION LOCATION WITH LOCAL FIRE AUTHORITIES.
  - B. WATER SYSTEM PROVIDED BY FSEC: ELECTRIC GAS SOLENOID/ SHUT-OFF VALVE SHALL BE PROVIDED BY FSEC PER SECTION 114000, AND INSTALLED BY PLUMBING & OR PIPING CONTACTOR. ELECTRIC GAS RESET STATION SHALL BE PROVIDED BY FSEC AND INTERWIRED BY ELECTRICAL CONTRACTOR.
  - C. WATER SYSTEM PROVIDED BY SPRINKLER CONTRACTOR: ELECTRICAL GAS SOLENOID VALVE SHALL BE PROVIDED BY SPRINKLER CONTRACTOR AND INSTALLED BY PLUMBING & OR PIPING CONTRACTOR. ELECTRIC GAS RESET STATION SHALL BE PROVIDED AND INSTALLED BY SPRINKLER CONTRACTOR, WITH INTERWIRING BY ELECTRICAL CONTRACTOR.
- 5) ELECTRICAL CONTRACTOR SHALL INTERWIRE DISPOSER, DISPOSER CONTROLS AND SOLENOID VALVE PROVIDED BY FSEC PER MANUFACTURERS SPECIFICATIONS; SEE DETAIL.
- 6) VERIFY SERVICES WITH EXISTING UNIT AND OR VERIFY SERVICES WITH VENDOR.
- 7) ELECTRICAL CONTRACTOR SHALL INTERWIRE WALK-IN COOLER/FREEZER LIGHTS, SWITCHES AND HEAT TAPE IN FREEZER FOR EVAPORATOR DRAINLINE FSEC SHALL PROVIDE HEAT TAPE; SEE DETAIL.
- 8) ELECTRICAL CONTRACTOR SHALL PROVIDE WIRE HOOD FAN AND LIGHT TO WALL SWITCHES.
- ELECTRICAL CONTRACTOR SHALL PROVIDE COMPUTER GRADE SEPARATE DEDICATED CIRCUIT FOR OWNERS POS TERMINAL.
- 10) ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY JUNCTION BOX AND UNDER FLOOR CONDUIT AS NECESSARY BETWEEN POS TERMINAL LOCATION AND ADMINISTRATOR'S OFFICE.
- 11) FSEC SHALL PROVIDE ALL RECEPTACLES IN FABRICATED EQUIPMENT AND WILL PRE-WIRE ELECTRICAL COMPONENTS IN COUNTER TO LOAD CENTER PANEL BY FSEC FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
- 12) EXTEND SERVICE OUT 1" TO ALLOW FOR 1" WALL PANEL.
- 13) VERIFY ALL PLUG CONFIGURATIONS WITH MANUFACTURER'S SHOP DRAWING.
  - THESE SCHEDULE NOTES PERTAIN TO THE ELECTRICAL ITEMS AS REFERENCED ON THE ROUGH-IN SCHEDULE

ELECTRICAL LEGEND:								
<del></del>	SINGLE RECEPTACLE OUTLET		EXTERNALLY OPERATED DISCONNECT SWITCH					
$\Longrightarrow$	DUPLEX RECEPTACLE OUTLET		CEILING-VAPOR PROOF SURFACE					
	SPECIAL PURPOSE RECEPTACLE OUTLET		INCANDESCENT LIGHT					
	FLOOR-SINGLE RECEPTACLE OUTLET	D	DROP CORD					
	FLOOR-DUPLEX RECEPTACLE OUTLET	J	CEILING-JUNCTION BOX					
	FLOOR-SPECIAL PURPOSE OUTLET	—J	WALL-JUNCTION BOX					
<b>—</b>	DIRECT CONNECTION		SURFACE OR PENDANT CONTINUOUS ROW LED LIGHT FIXTURE					
	FLOOR/CEILING DIRECT CONNECTION	\$	SWITCH					
+	MECHANICAL GAS SHUT-OFF VALVE FOR FIRE SYSTEM	$\prec$	PRIVATE TELEPHONE SYSTEM DEVICES					
S	ELECTRIC SOLENOID GAS SHUT-OFF VALVE	$\triangleleft$	TELEPHONE INTERCONNECTIONS					
	FOR FIRE SYSTEM	A.F.F.	ABOVE FINISHED FLOOR					
(D)	EMPTY OCTAGONAL DATA J-BOX	B.F.F.	BELOW FINISHED FLOOR					
J	EMPTY OCTAGONAL J-BOX	D.F.A.	DOWN FROM ABOVE					
POS	EMPTY OCTAGONAL FOR POS DATA J-BOX	U.F.B.	UP FROM BELOW					
PULL	REMOTE PULL STATION FOR FIRE SYSTEM		ELECTRICAL POWER					
T	WALK-IN TIME CLOCK							
S.M.C	REFRIGERATION REMOTE CONTROLLER		DATA LINES					
C.W.	CONTROL WIRING							

#### ELECTRICAL ROUGH-IN SCHEDULE SERVICE ROUGH-IN ITEM NO QTY **DESCRIPTION** PHASE AMP CONN. TYPE / OUTLET TYPE **REMARKS & NOTES VOLTS** NEMA HEIGHT ABRV 1 Microwave Oven w/ Shelf 120 V 5-15P 5'-6" AFF 13.0 A DR Cord & Plug 1 70.8 A Special Connection 1 Electric Range 240 V 1'-6" AFF | Cord & Plug by EC 1 Hood Control Touch Screen 0 V 0 0.0 A Cat 5 Control Wiring AFF | Serviced Thru E11 Hood Control Box / 2-Gang J-box & 3/4" Conduit above ceiling by EC 1 Cooking Exhaust Hood DFA | Serviced Thru E11 Hood Control Panel / Note 3 & 8 / CD-601 15.0 A Direct Connection 1 Cooking Hood Duct Sensor 0 0.0 A Control Wiring DFA Duct Heat Sensor to E11 Hood Control Box / 2-Gang J-Box & 3/4" Conduit above Ceiling by EC DFA Hood Fan On/Off, Light Switch, & Gas Valve Control 1 Hood Control Panel 15.0 A Direct Connection 15.0 A Direct Connection AFF Wired Thru E11 Hood Control Box / Note 3 / CD-700 1 Fire Protection System 0.0 A 0 Ο" 1 Fire Suppression System - Dry Contactor Service Shunt Trip Breaker Provided by EC / Note 3 / CD-700 1 Fire Suppression System - Gas Valve 120 V 0 0.0 A Ο" To gas shut off valve / Note 4A / CD-700 1 Fire Suppression System - Building Alarm 0 V 0 0.0 A 0" Building Alarm to Dry Contactor in Fire Panel, by EC / Note 2 / CD-700 E12D 1 Fire Suppression System - Remote Manual Pull 0 V 0 0.0 A Ο" Remote Manual Pull Station / Note 4A / CD-700 0" 1 Fire Suppression System - Fire Microswitch 0 V 0.0 A From E11 Control Panel, for Fire system microwswitch 4'-0" AFF 1 Two Section Refrigerator, Reach-In 120 V 1 6.5 A SR Cord & Plug 5-15P E24 1 Work Table 120 V 1 20.0 A Ο" Wired Thru Empty J-Box to Service ECO2 in Work Table E28 1 Room Temperature Sensor 10 V 0.0 A | Control Wiring 5'-0" AFF Wired Thru E11 Hood Control Box / 2-Gang J-Box & 3/4" Conduit above Ceiling by EC 0 1 Make Up Air Unit 240 V 1 6.5 A Direct Connection Ο" Run Service Thru E11 Hood Control Box 1 Roof Top Exhaust Fan 240 V 1 5.0 A Direct Connection 0" Run Service Thru E11 Hood Control Box 120 V 1 20.0 A Convenience Outlet by EC 5 Convenience Oulet 0"





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REVISIONS
REV# DATE ISSU

Lake, MN 56484

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FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN, SCHEDULE & DETAILS

SHEET NUMBER

FS700