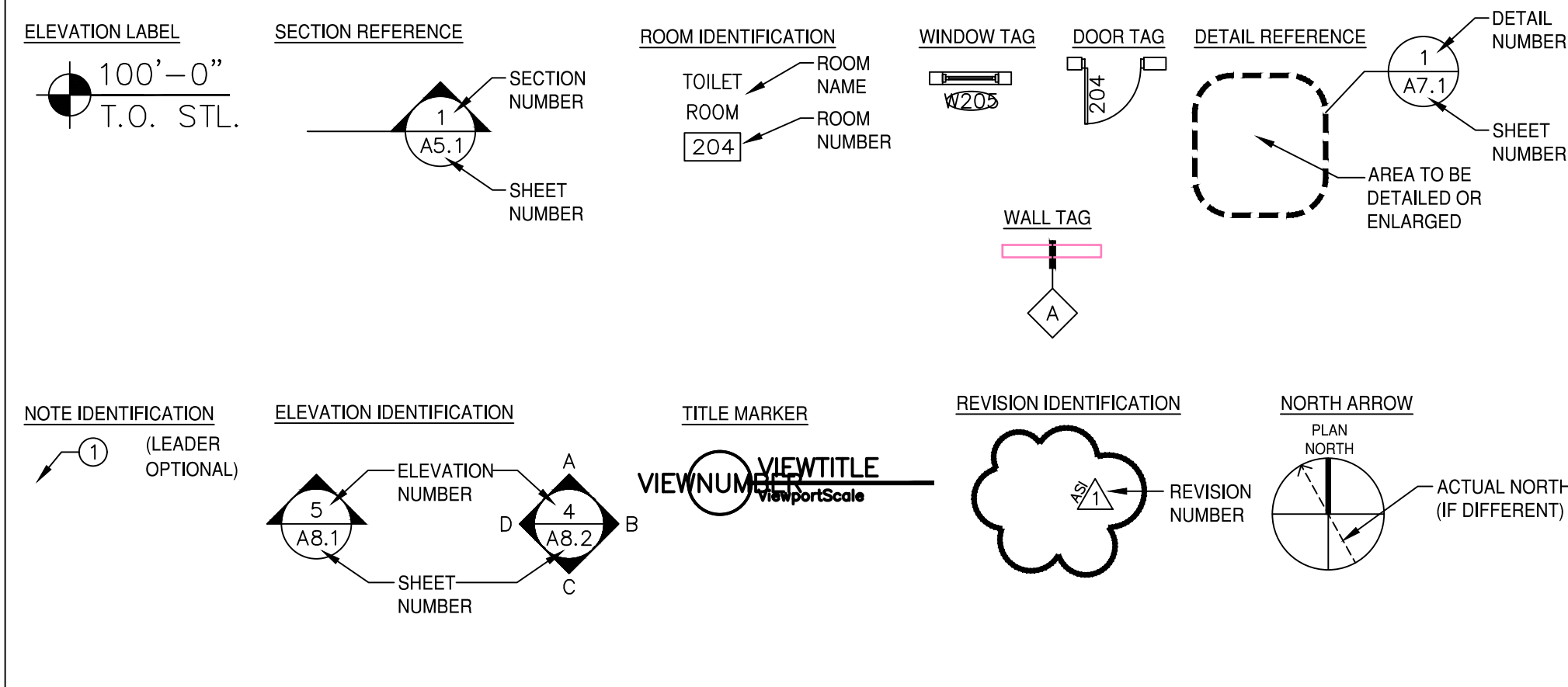


S. LAKE COMMUNITY CENTER

ADDITION AND REMODEL

Symbols



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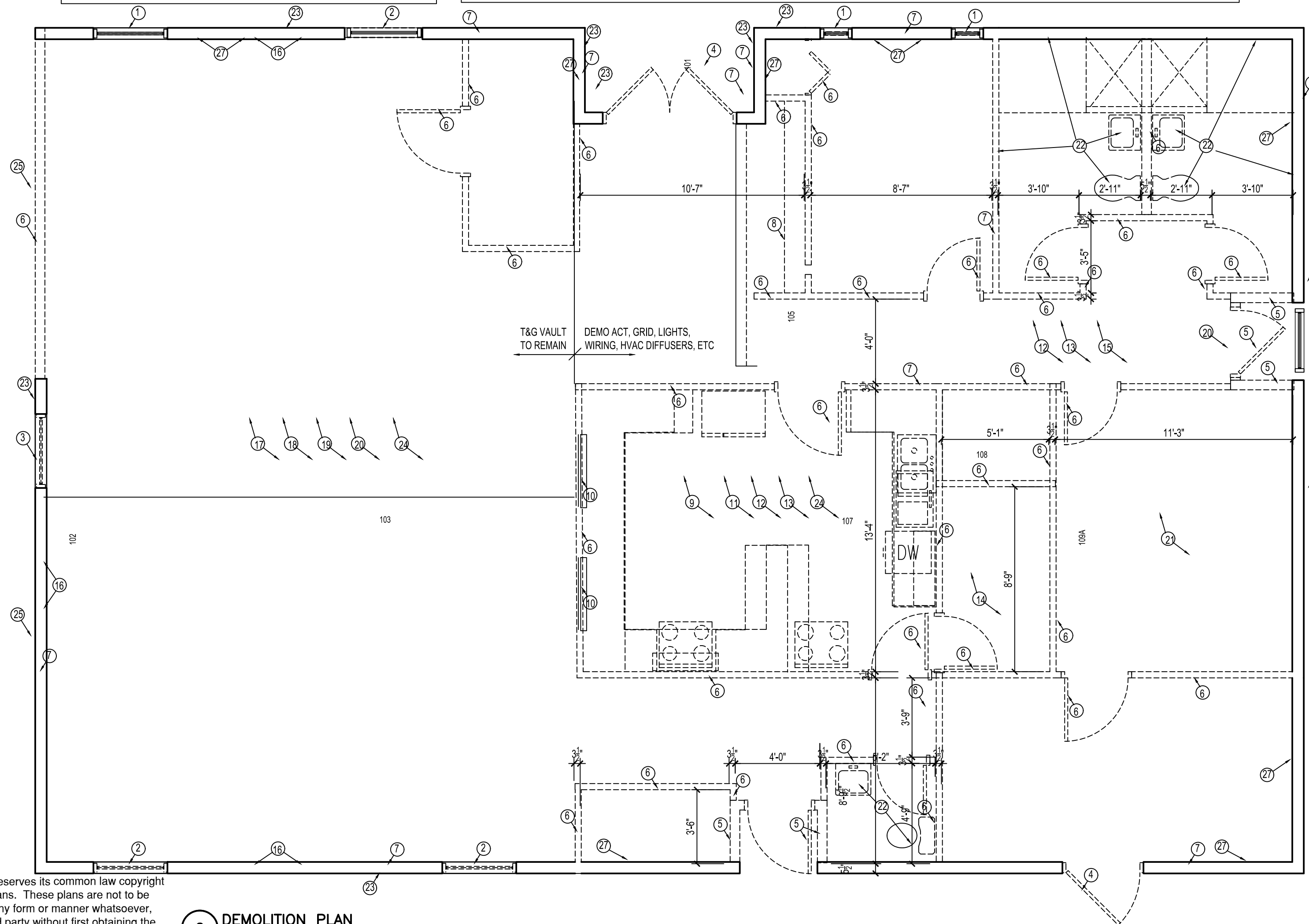
Design Team

Owner	Design / Build Contractor	Mechanical Consultant
Leech Lake Band of Ojibwe 190 Sallstar Drive NW Cass Lake, MN 56623 Phone: 218-335-3787 Fax: --	Hawk Construction Inc. 1833 Highway 2 West Grand Rapids, MN 55744 Phone: 218-327-0069 Fax: 218-327-1642	The Design Group Inc. 331 8th Ave SW Chisholm MN, Phone: 218-262-1959 Fax: --
Contact: Lee Giffen E-mail: lee.giffen@llojibwe.org	Contact: Doug Hanson E-mail: dhhawk@qwestoffice.net	Contact: Otto Maki E-mail: otto@thedgroup.org

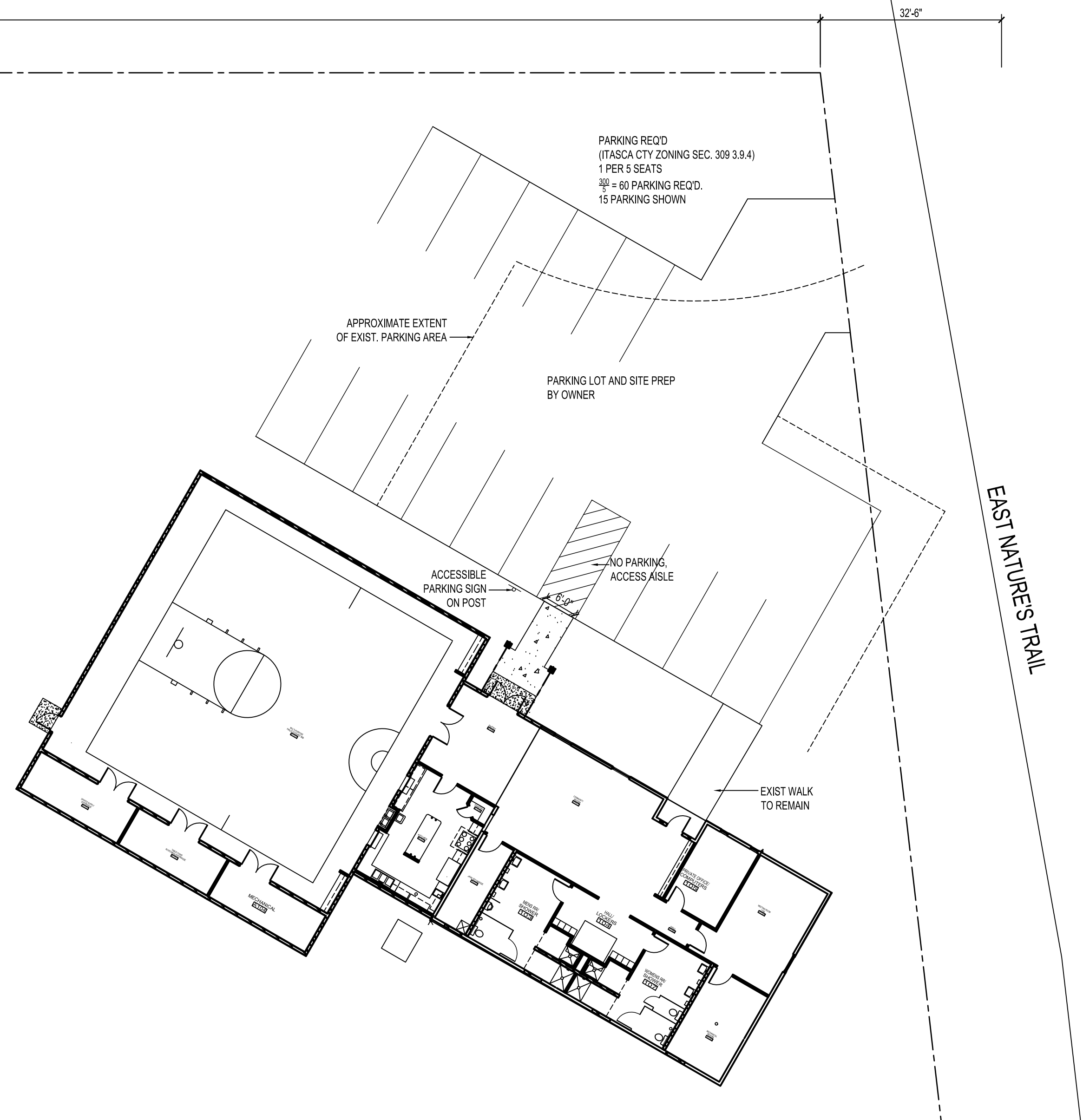
Architect	Structural Consultant	Electrical Consultant
Hawk Construction Inc. 1833 Highway 2 West Grand Rapids, MN 55744 Phone: 218-327-0069 Fax: 218-327-1642	The Hanson Group 3407 Kilmer Lane North Plymouth, MN 55441 Phone: 612-708-3572 Fax: --	The Design Group Inc. 331 8th Ave SW Chisholm MN, Phone: 218-262-1959 Fax: --
Contact: Janet Deutsch, AIA E-mail: janethawk@qwestoffice.net	Contact: Nick Hanson, PE, LEED, AP E-mail: nick@hansongroupmn.com	Contact: Otto Maki E-mail: otto@thedgroup.org

- DEMO PLAN NOTES - DEMO BY OWNER - NIC:**
- EXISTING WINDOWS TO BE REMOVED. PREP FOR REPLACEMENT WINDOWS.
 - DEMO WALL AS REQD FOR NEW WINDOW.
 - DEMO EXISTING WINDOW AND PREP FOR WALL TO BE INFILLED.
 - DEMO EXISTING DOOR, FRAME, HDWR. PREP OPENING FOR NEW DOOR, FRAME, HDWR. IN EXISTING OPENING.
 - DEMO EXISTING DOOR, FRAME, HDWR. DEMO WALL AND ADJACENT WALLS SHOWN DASHED. ALCOVE TO BE INFILLED.
 - DEMO WALLS, DOORS, FRAMES, HDWR SHOWN DASHED.
 - EXISTING WALLS TO REMAIN
 - DEMO COAT ROD, SHELF
 - REMOVE AND DISPOSE OF ALL EXISTING KITCHEN MAJOR APPLIANCES, BASE CABINETS, UPPER CABINETS, SINKS AND ASSOCIATED PLUMBING, SMALL APPLIANCES, SHELVING, ELECTRICAL, HAND TOWEL DISPENSERS, FIRE EXTINGUISHERS, RANGE HOOD AND ASSOCIATED ACCOUTREMENTS, ETC.
 - VERIFY CONDITION OF COILING DOORS AT SERVICE WINDOWS. VERIFY WITH OWNER IF THEY CAN BE SALVAGED FOR RE-USE IN NEW KITCHEN.
 - DEMO FLOOR TILE AND TILE BASE. PREP FOR NEW FLOOR FINISH.
 - DEMO AND DISPOSE OF ACT AND GRID, LIGHTS, ETC.
 - DEMO AND DISPOSE OF ALL HVAC VENTS, AIR INTAKE EXHAUST, ETC AND ALL RELATED ACCOUTREMENTS.
 - DEMO STORAGE CLOSET SHELVES, WALLS, FLOOR TILE (VCT), CEILING (VERIFY), ETC
 - DEMO VCT FLR TILE. PREP FOR NEW FLOOR FINISH.
 - OWNER TO REMOVE PANEL WAINSCOT FROM EXIST' WALLS TO REMAIN.
 - AT SLOPED & FLAT TAG CLGS. DEMO LIGHTS, FANS, HVAC VENTS AND DUCTWORK.
 - REMOVE AND SALVAGE SECURITY CAMERAS AND RELATED WIRING, ACCOUTREMENTS.
 - REMOVE T-STATS AND INSTALL TAMPER-RESISTANT T-STATS.
 - REMOVE EXIT/ EMERGENCY LIGHTS.
 - DEMO EXISTING HVAC SYSTEM IN ITS ENTIRETY
 - DEMO AND DISPOSE OF SHOWER ROOM FIXTURES, SINK, TOILET, GRAB BARS AND OTHER ACCESSORIES, SHOWER, ETC. REMOVE FLOOR TILE AND WALL TILE AT WALLS TO REMAIN. UNDER-FLOOR PLUMBING TO BE CAPPED OFF BY PLUMBER.
 - REMOVE ALL EXTERIOR SIDING. FIELD VERIFY CONDITION OF EXTERIOR WALLS. PREP FOR NEW SIDING.
 - REMOVE ALL SHINGLES. FIELD VERIFY CONDITION OF ROOF. PREP FOR NEW ROOFING.
 - DEMO OVERHANG STRUCTURE AS REQD FOR NEW ADDITION
 - EXIST TAG AT CEILING IS TO BE REMOVED BY OWNER, LEAVING FRAMING IN PLACE.
 - REMOVE GB FROM INSIDE FACE OF ALL EXTERIOR WALLS, EXPOSING STUDS. VERIFY CONDITION OF EXISTING INSULATION. VERIFY W/ OWNER IF NEW BATT OR ADD ALTERNATE SPRAY FOAM INSULATION IS TO BE APPLIED AT EXISTING EXTERIOR WALLS.

GENERAL NOTES:
OWNER TO REMOVE ALL EQUIPMENT AND SUPPLIES FROM BUILDING, INCLUDING, BUT NOT LIMITED TO, SPORTS EQUIPMENT, OFFICE FURNITURE AND SUPPLIES, KITCHEN SUPPLIES AND APPLIANCES, OFFICE RECORDS AND FILE CABINETS, MISC MAINTENANCE SUPPLIES (PAINTS, TOOLS, ETC), TRASH CONTAINERS, SHELVING, CONCRETE MIX AND OTHER CONSTRUCTION SUPPLIES, BABY FURNITURE, FISH TANK, DECORATIONS, ETC.



2 DEMOLITION PLAN
1/4"=1'-0"



1 SITE PLAN
1/16"=1'-0"

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S. LAKE COMMUNITY CENTER
59979 COUNTY RD 4
S. Lake, Minnesota 56681

project no: 20-1827

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JANET J. DEUTSCH
SIGNED: *Janet J. Deutsch*
DATE: 3/9/2020
REG # 42,182

PRELIMINARY: NOT FOR CONSTRUCTION, UNLESS SIGNED BY ARCHITECT

revisions:

date:	date:
FINAL CD'S	3-9-2020

drawn by: ---
designed by: ---
checked by: ---
date: ---

Sheet Title
SITE-DEMO PLAN

sheet number
A1.0

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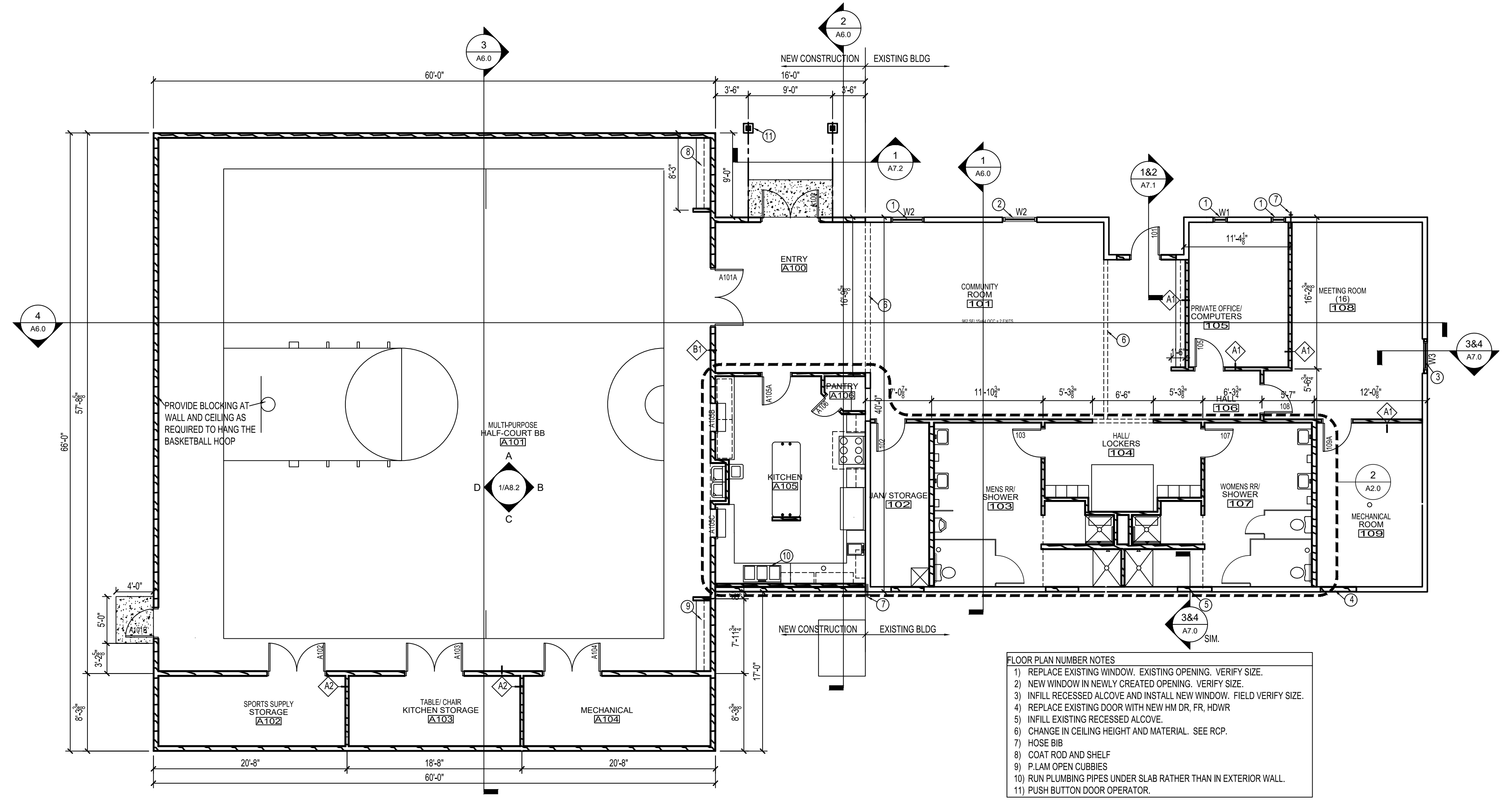
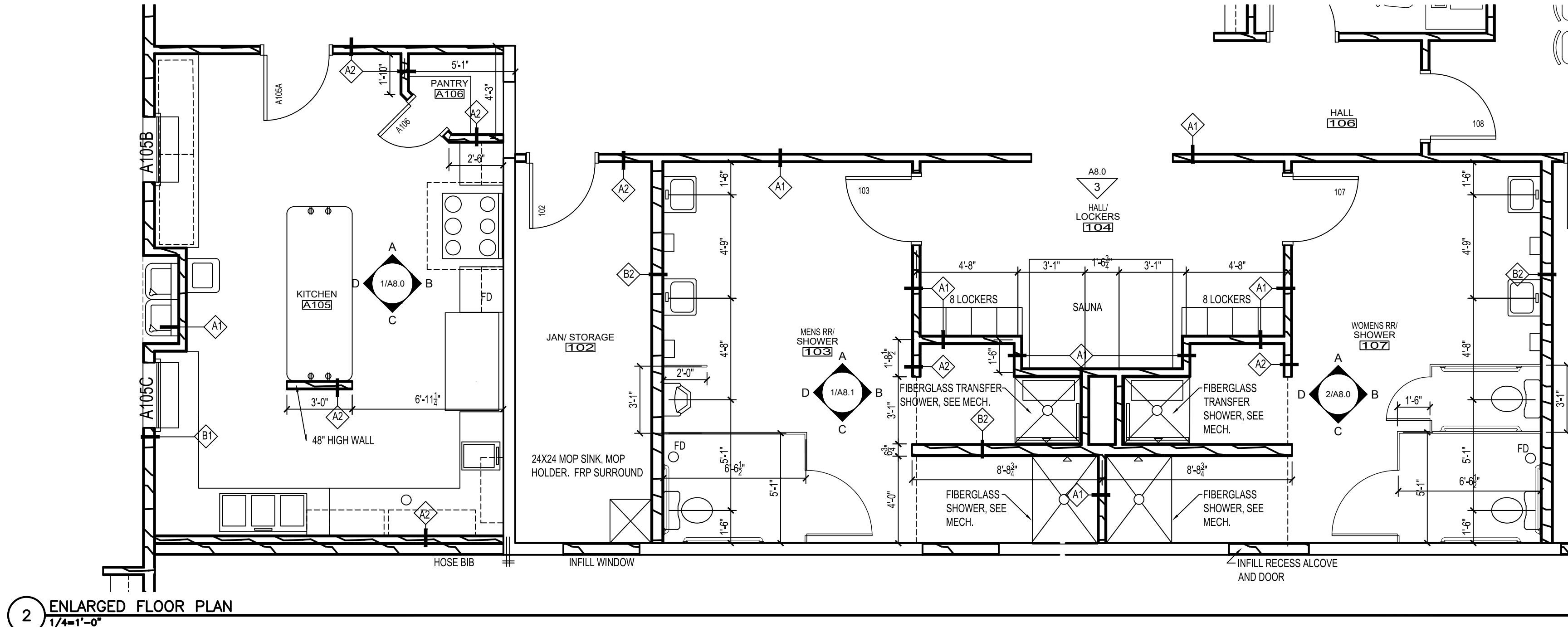
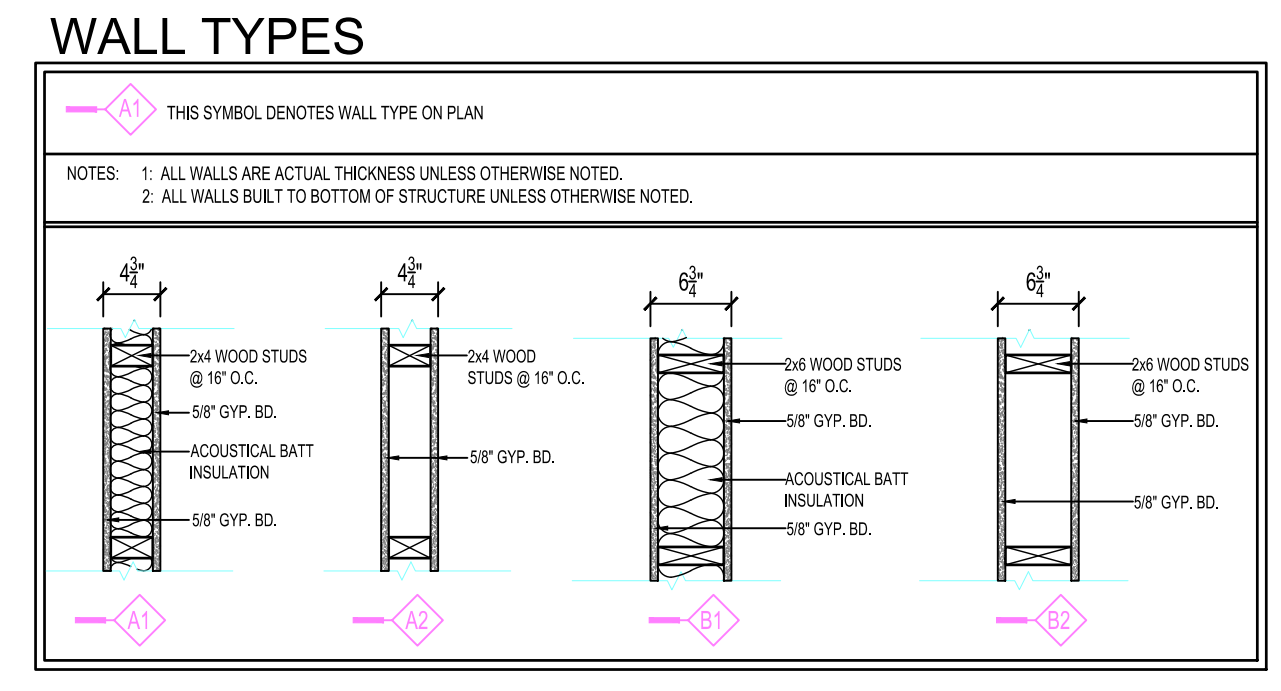
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drawn by: ---
designed by: ---
checked by: ---
date: ---

sheet title
FLOOR PLAN

sheet number
A2.0



DOOR AND FRAME SCHEDULE

NO.	DOOR			FRAME			FIRE LABEL	HDW. NO.	NOTES
	SIZE	TYPE	TYPE	DETAIL					
				HEAD	JAMB	SILL			
101	3'-0" x 6'-8"	HM-D1	---	2/A4.0	2/A4.0 SIM.	1/A4.0	--	7	1
102	3'-0" x 7'-0"	WD-D1	MKD-F1	4/A4.0	3/A4.0	---	--	8	--
103	3'-0" x 7'-0"	WD-D1	MKD-F1	4/A4.0	3/A4.0	---	--	3	--
105	3'-0" x 7'-0"	WD-D2	MKD-F1	4/A4.0	3/A4.0	---	--	6	--
107	3'-0" x 7'-0"	WD-D1	MKD-F1	4/A4.0	3/A4.0	---	--	3	--
108	3'-0" x 7'-0"	WD-D2	MKD-F1	4/A4.0	3/A4.0	---	--	6	--
109A	3'-0" x 7'-0"	WD-D1	MKD-F1	4/A4.0	3/A4.0	---	--	8	--
A100	PR 3'-0" x 7'-0"	AL-D1	AL-F1	2/A4.0	2/A4.0 SIM.	1/A4.0	--	5	--
A101A	PR 3'-0" x 7'-0"	HM-D3	HM-F1	4/A4.0	3/A4.0	---	--	2	--
A101B	3'-0" x 7'-0"	HM-D2	HM-F1	2/A4.0	2/A4.0 SIM.	1/A4.0	--	7	--
A102	PR 3'-0" x 7'-0"	HM-D2	HM-F1	4/A4.0	3/A4.0	---	--	9	--
A103	PR 3'-0" x 7'-0"	HM-D2	HM-F1	4/A4.0	3/A4.0	---	--	9	--
A104	PR 3'-0" x 7'-0"	HM-D2	HM-F1	4/A4.0	3/A4.0	---	--	9	--
A105A	3'-0" x 7'-0"	HM-D1	MKD-F1	4/A4.0	3/A4.0	---	--	6	--
A105B	3'-0" x 5'-0"	RL-D1	---	5/A4.0	6/A4.0	5/A4.0	--	--	--
A105C	3'-0" x 6'-0"	RL-D1	---	5/A4.0	6/A4.0	5/A4.0	--	--	--
A106	2'-0" x 7'-0"	WD-D1	MKD-F1	4/A4.0	3/A4.0	---	--	1	--

DOOR SCHEDULE NOTES

GENERAL NOTES: -ALL DOOR TO BE INSTALLED 4" FROM ADJACENT WALL UNLESS OTHERWISE DIMENSIONED.

1. FIELD VERIFY SIZE OF EXISTING DOOR OPENINGS PRIOR TO ORDERING.

ROOM FINISH SCHEDULE

ROOM NO.	NAME	FLOOR FINISH	BASE	WALLS								CEILING		NOTES		
				NORTH	EAST	SOUTH	WEST	MATL.	FINISH	MATL.	FINISH					
101	COMMUNITY ROOM	LVP	4" RB	GB	P21	GB	P21	GB	P21	GB	P21	GB	P21	NEW GB	P	(2)
102	JAN. STORAGE	CONC.	4" RB	GB	P	GB	P11	GB	P11	GB	P11	GB	P11	NEW GB	P	(1)
103	MENS RR. SHOWER	CT	CT	GB	FRP/CT	GB	FRP/CT	GB	FRP/CT	GB	FRP/CT	GB	FRP/CT	FRP/CT	ACT	--
104	HALL LOCKERS	CT	CT	GB	P	GB	P	GB	P	GB	P	GB	P	GB	P	--
105	PRIVATE OFFICE/COMPUTERS	LVP	4" RB	GB	P	GB	P	GB	P	GB	P	GB	P	ACT	--	--
106	HALL	LVP	4" RB	GB	P	GB	P	GB	P	GB	P	GB	P	ACT	--	--
107	WOMENS RR. SHOWER	CT	CT	GB	FRP/CT	GB	FRP/CT	GB	FRP/CT	GB	FRP/CT	GB	FRP/CT	FRP/CT	ACT	--
108	MEETINGS ROOM (16)	LVP	4" RB	GB	P	GB	P	GB	P	GB	P	GB	P	ACT	--	--
109	MECHANICAL ROOM	CONC.	4" RB	GB	P	GB	P	GB	P	GB	P	GB	P	EX. GB (2)	P	--
A100	ENTRY	LVP	4" RB	GB	P21	GB	P	GB	P	GB	P	GB	P	GB	P	(2)
A101	MULTI-PURPOSE HALF-COURT BB	POLY	6" RB	GB	P	GB	P	GB	P	GB	P	GB	P	PMP	P	--
A102	SPORTS SUPPLY STORAGE	CONC.	RB	GB	P	GB	P	GB	P	GB	P	GB	P	GB	P	--
A103	TABLE CHAIR KITCHEN STORAGE	CONC.	RB	GB	P	GB	P	GB	P	GB	P	GB	P	GB	P	--
A104	MECHANICAL	CONC.	RB	GB	P	GB	P	GB	P	GB	P	GB	P	GB	P	--
A105	KITCHEN	POLY	6" RB	GB	FRP	GB	FRP	GB	FRP	GB	FRP	GB	FRP	GB	P	--
A106	PANTRY	POLY	6" RB	GB	FRP	GB	FRP	GB	FRP	GB	FRP	GB	FRP	GB	P	--

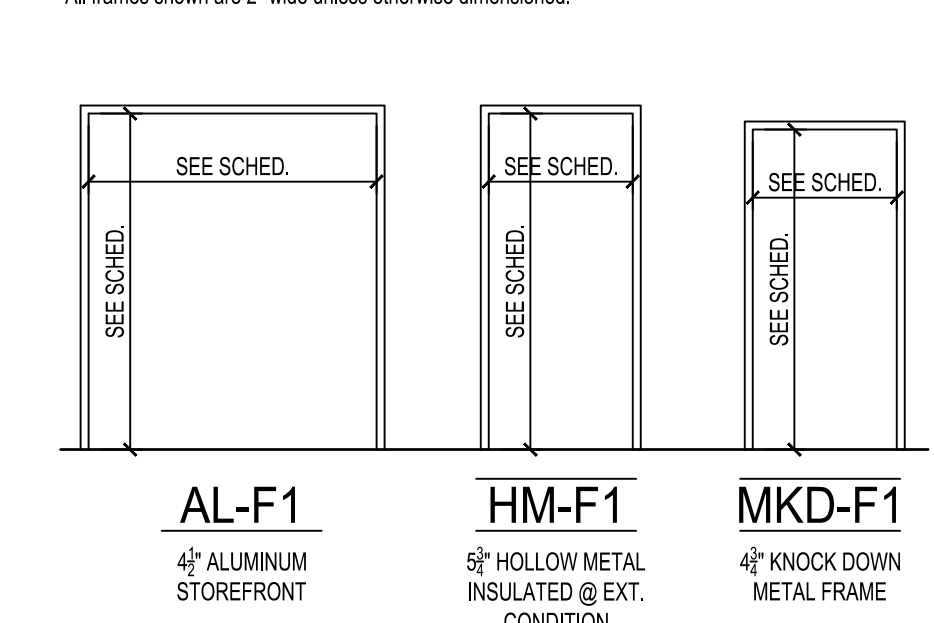
ROOM FINISH SCHEDULE ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	EXP	EXPOSED STRUCTURE	Q.T.	QUARRY TILE	S.C.P.	SKIM COAT PLASTER
BRK	BRICK	FRP	FIBERGLASS REINFORCED PANEL	RB	RUBBER BASE	ST	STAIN & VARNISH
CMU	CONCRETE MASONRY UNIT	GB	GYP. BOARD	R.C.P.	REFLECTED CEILING PLAN	STL	STEEL
CONC.	CONCRETE	GMU	GLAZED CONC. MASONRY UNIT	SEAL	SEAL EXPOSED CONC., SEE SPEC.	VCT	VINYL COMPOSITE TILE
CPT	CARPET	GRT	STAINLESS STEEL GRATING	S.V.	SHEET VINYL	VWC	VINYL WALL COVERING
C.T.	CERAMIC TILE	MTL	METAL LINEAR CEILING	P	POLYUREA	WD	WOOD
EX.	EXISTING	P	PAINT				
EP	EPOXY PAINT	PMP	PERFORATED METAL LINER PANEL				
		PLY	PLYWOOD				

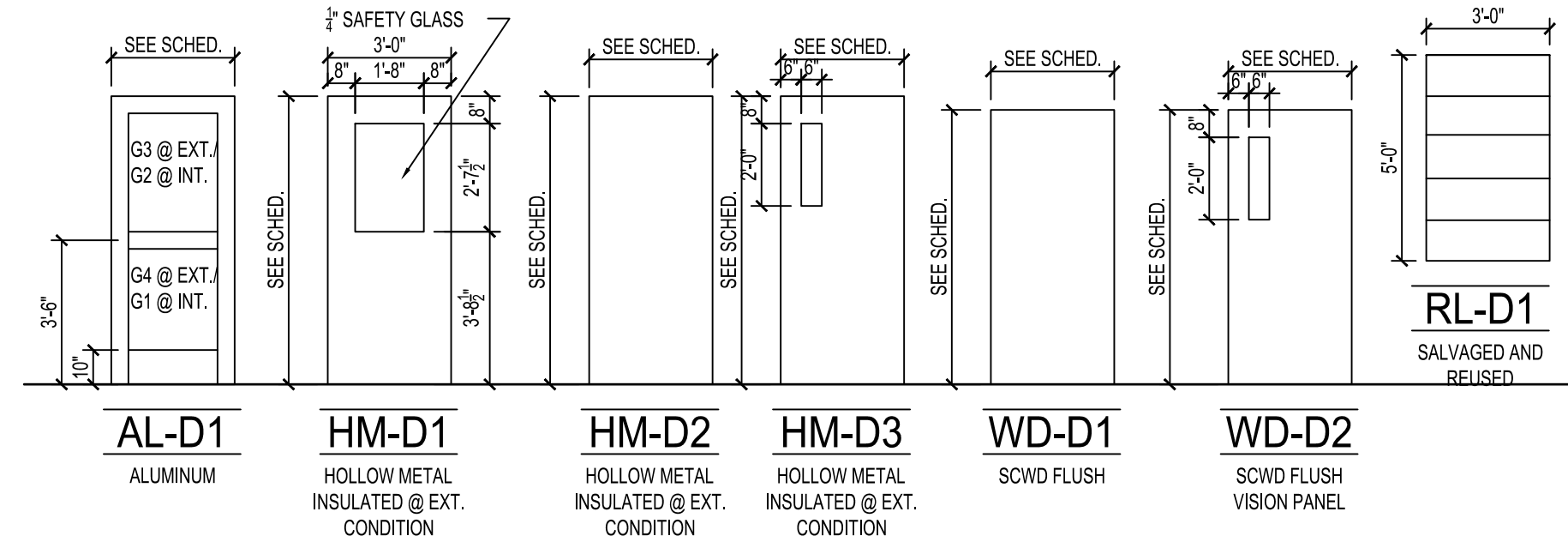
ROOM FINISH SCHEDULE NOTES

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

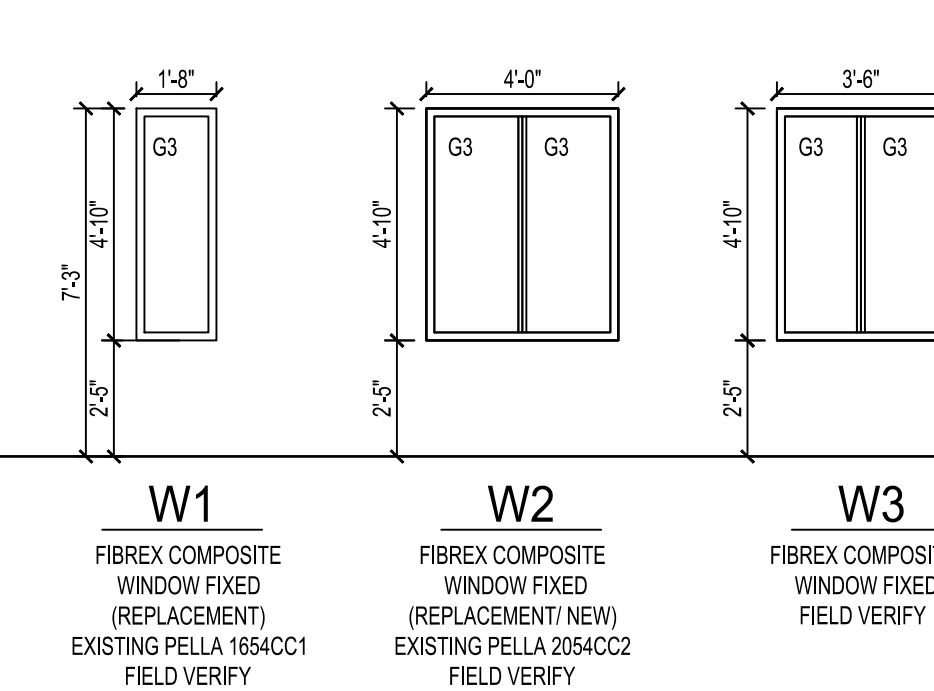
Door Frame Types



Door Types

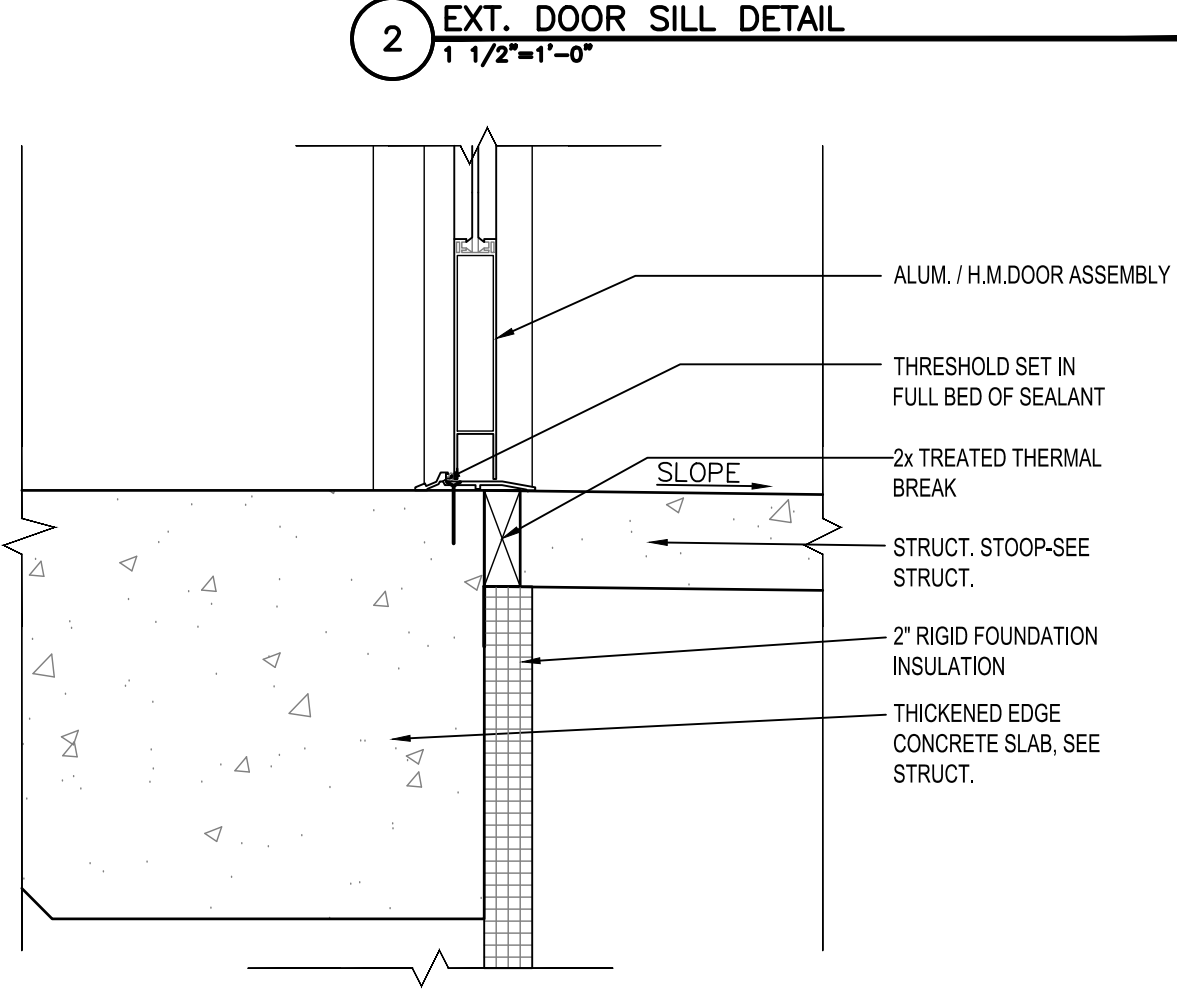
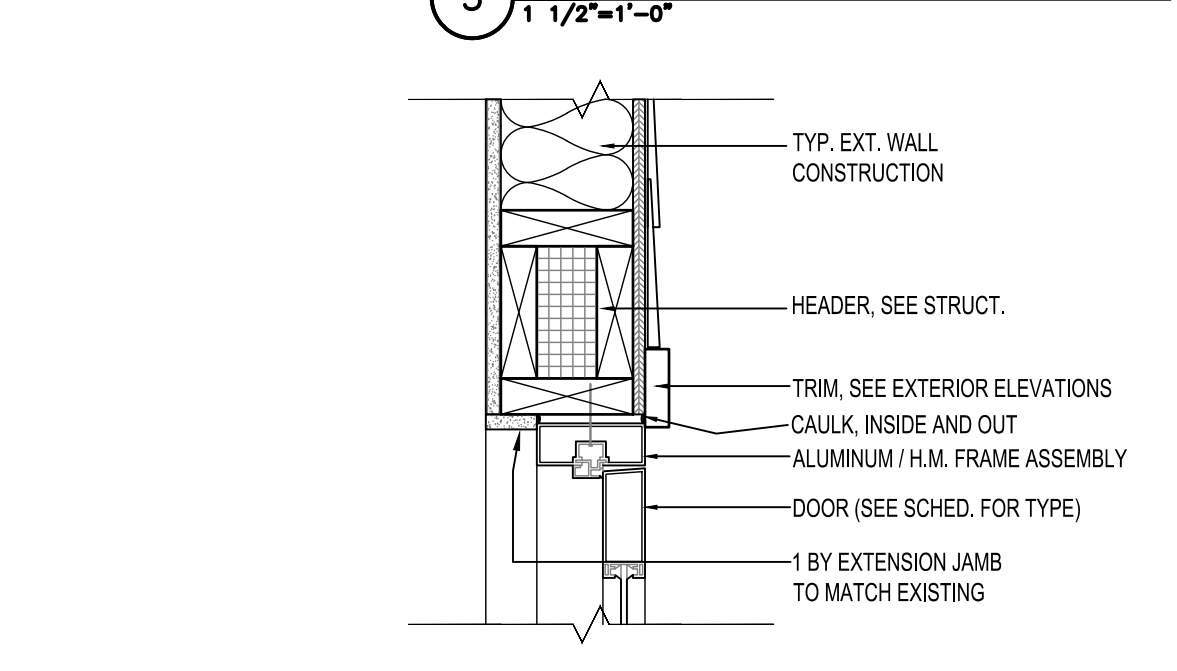
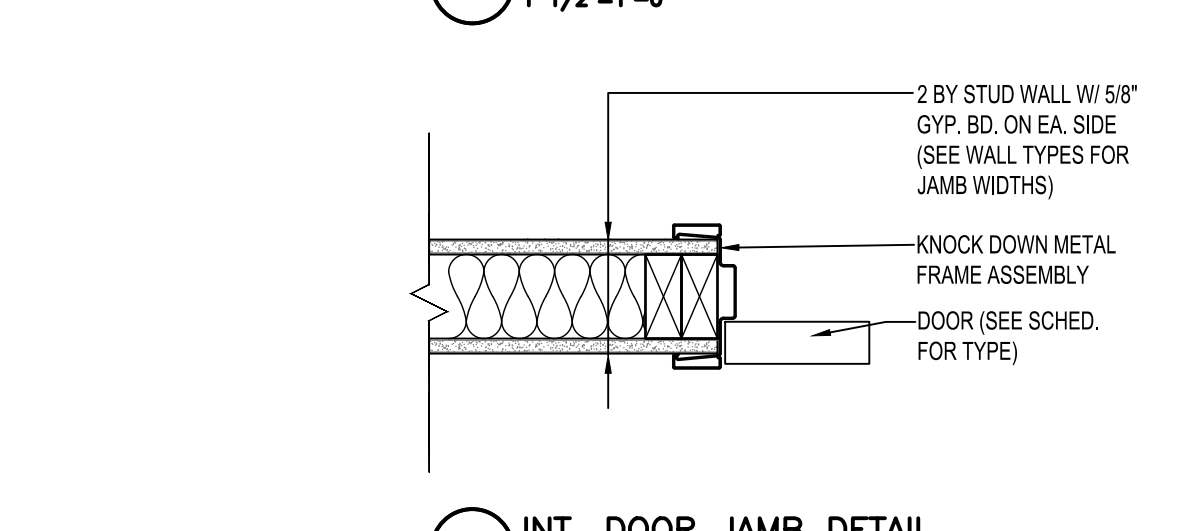
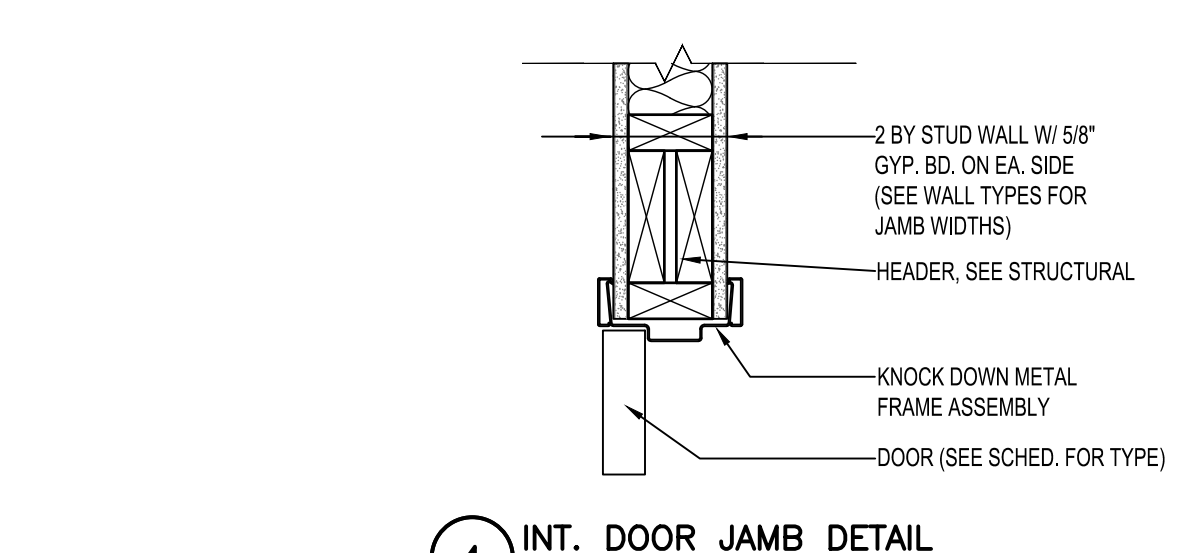
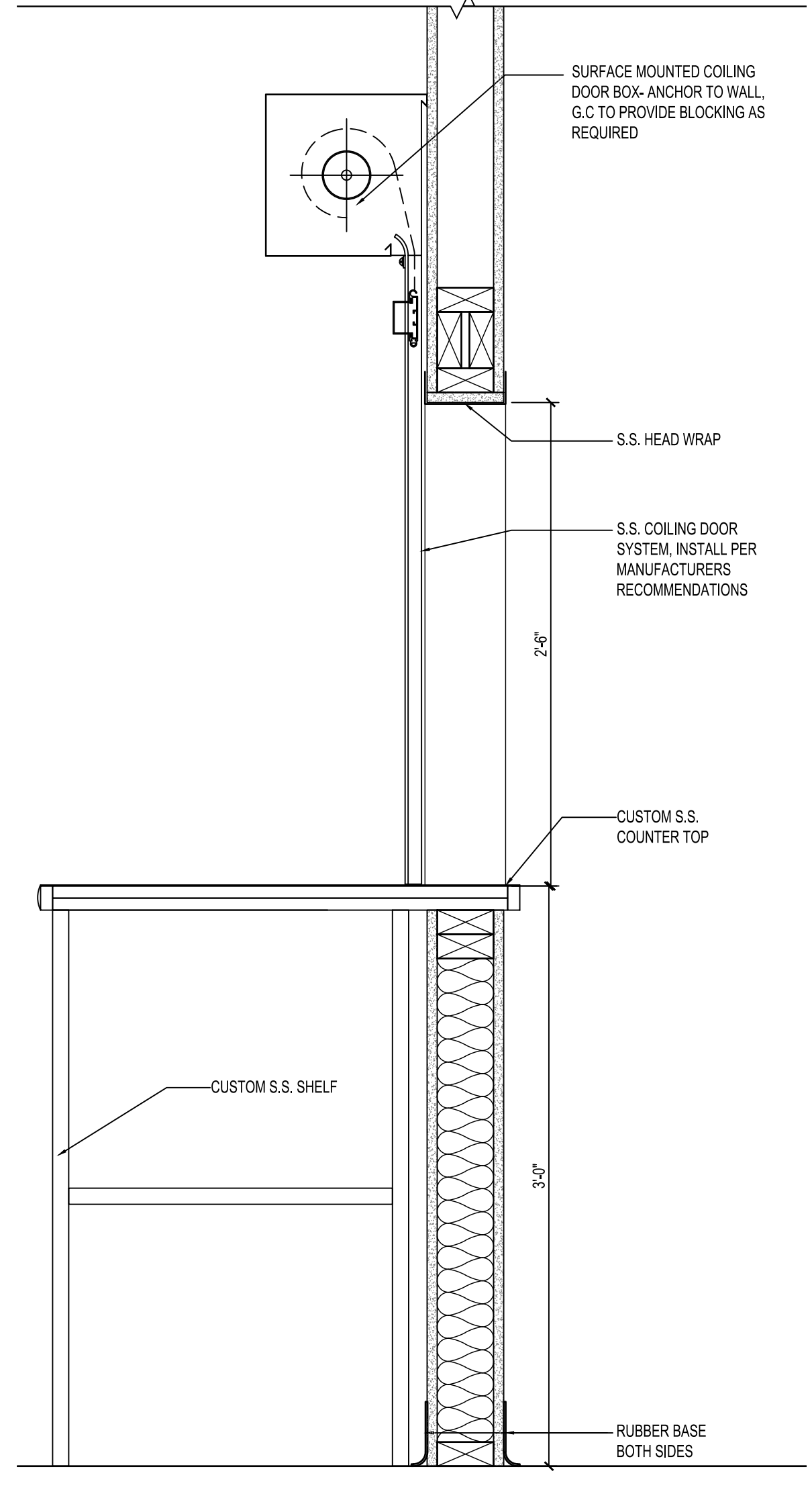
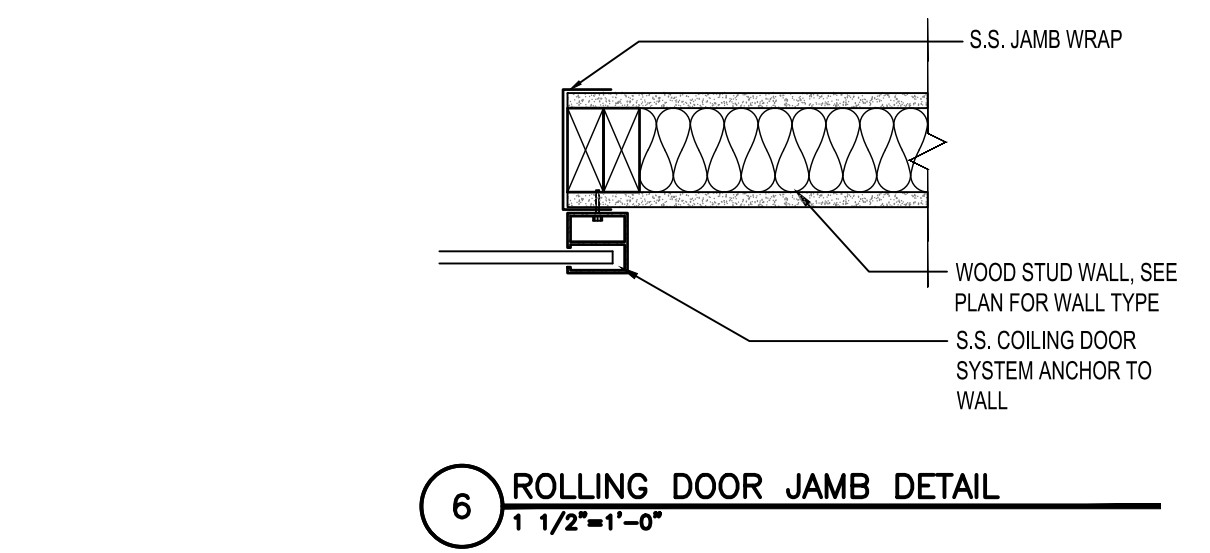
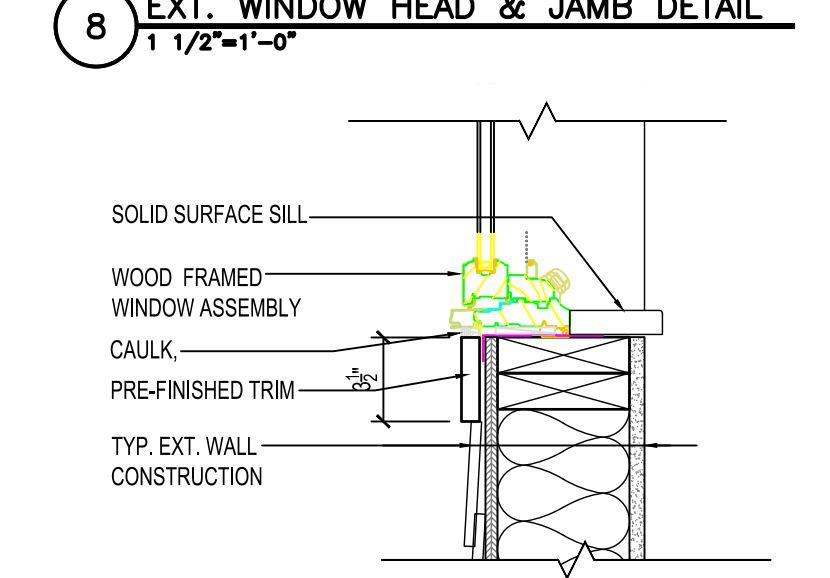
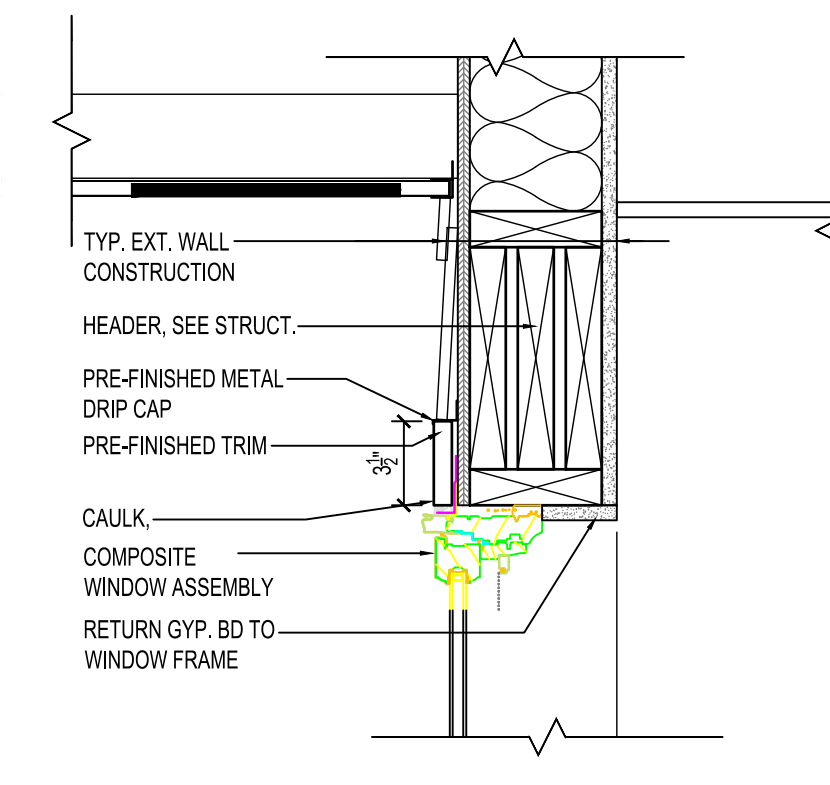


Window Types



GLASS TYPES

G1	1/4" CLEAR TEMPERED GLASS
G2	1/4" CLEAR PLATE GLASS
G3	1" INSULATING GLASS
G4	1" INSULATING SAFETY GLASS



S. LAKE COMMUNITY CENTER

59979 COUNTY RD 4
S. Lake, Minnesota 56681

project no: 20-1827

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 DATE: 3/9/2020 REG # 42,182

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	3-9-2020

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sheet title
SCHEDULES

sheet number
A4.0

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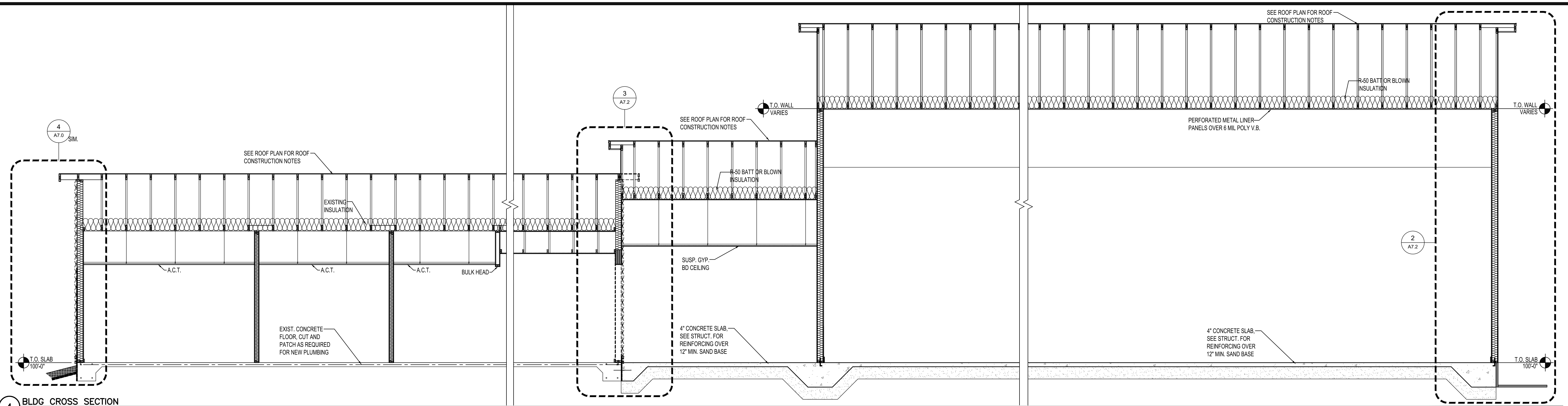
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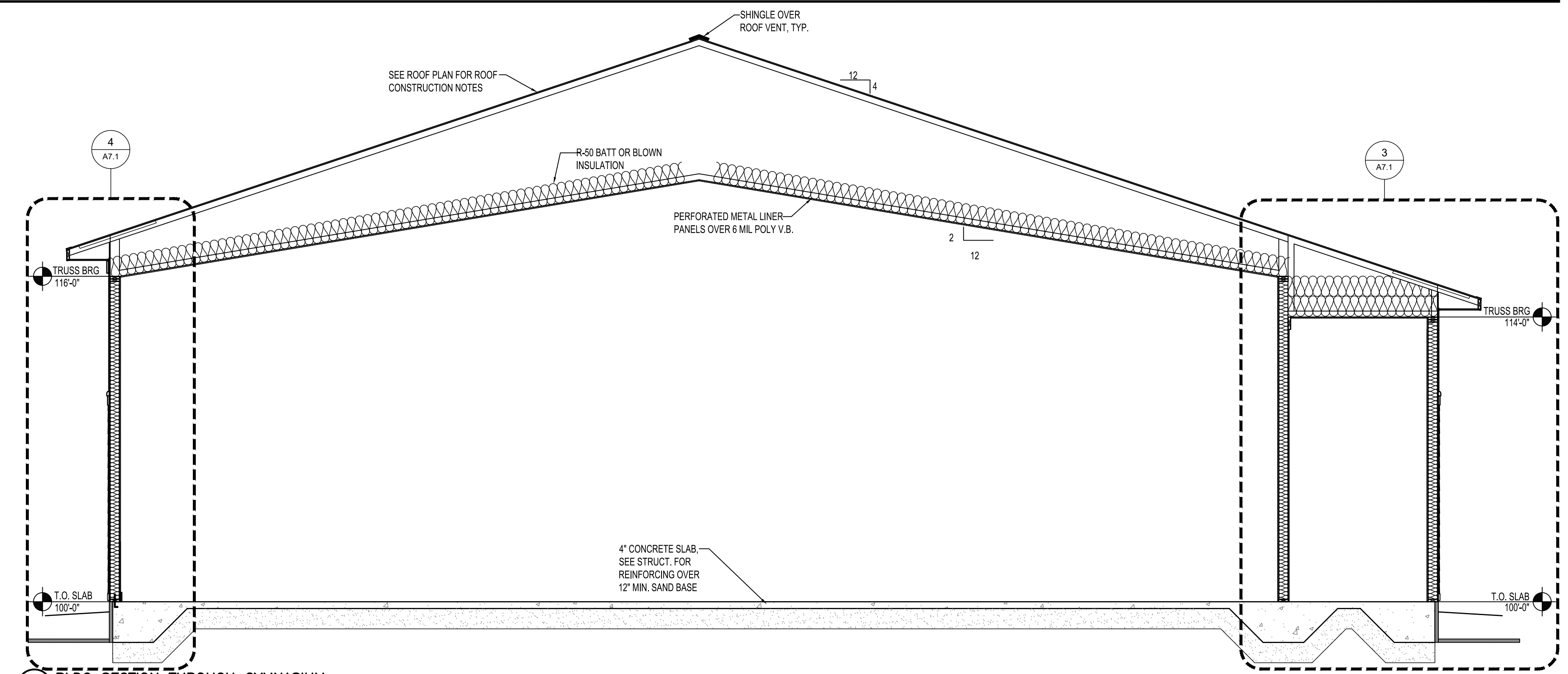
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BLDG SECTIONS

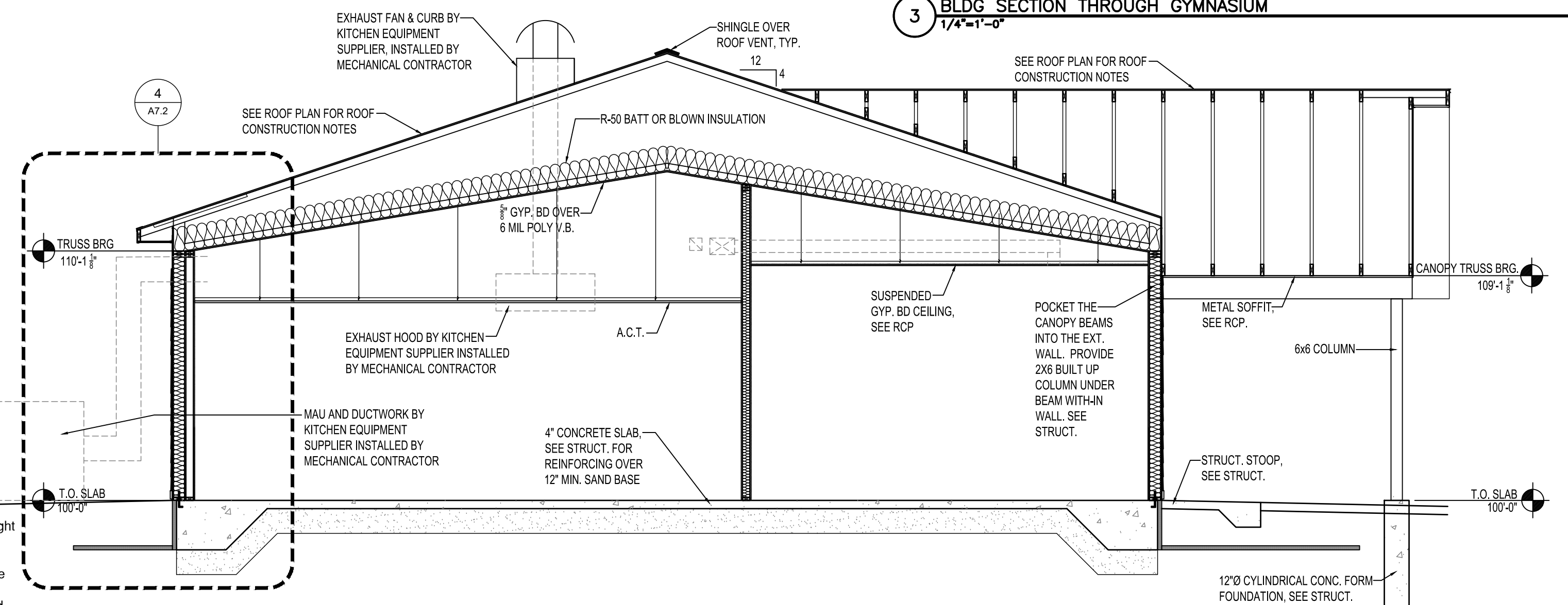
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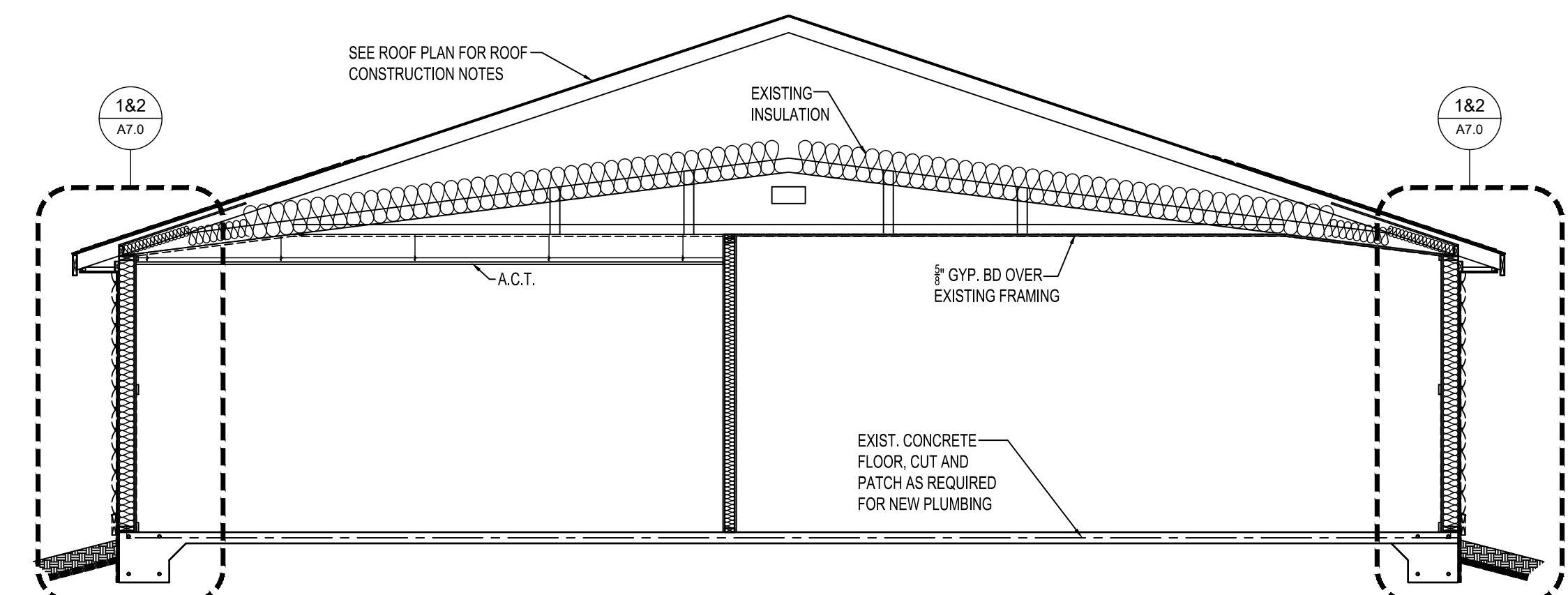
4 BLDG CROSS SECTION
1/4"=1'-0"



3 BLDG SECTION THROUGH GYMNASIUM
1/4"=1'-0"



2 BLDG SECTION THROUGH NEW LINK
1/4"=1'-0"



1 BLDG SECTION THROUGH EXISTING
1/4"=1'-0"

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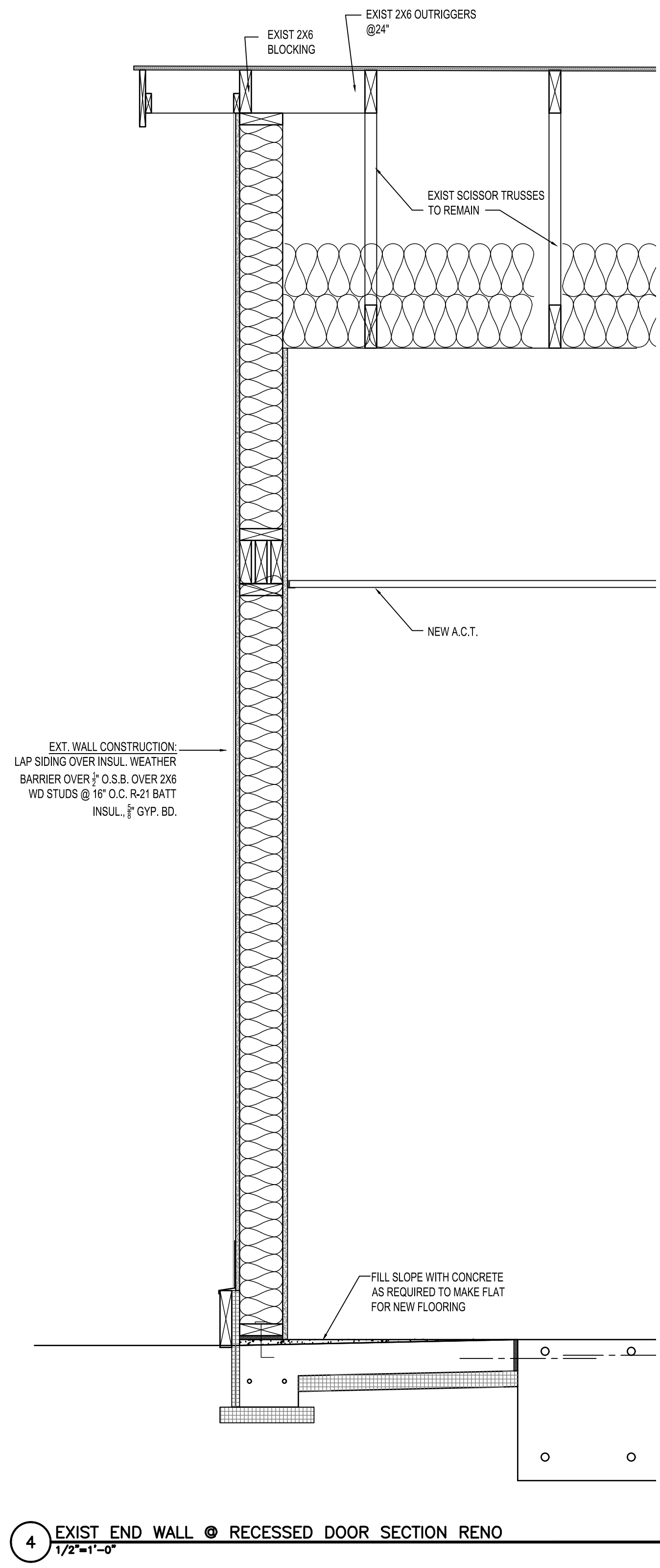
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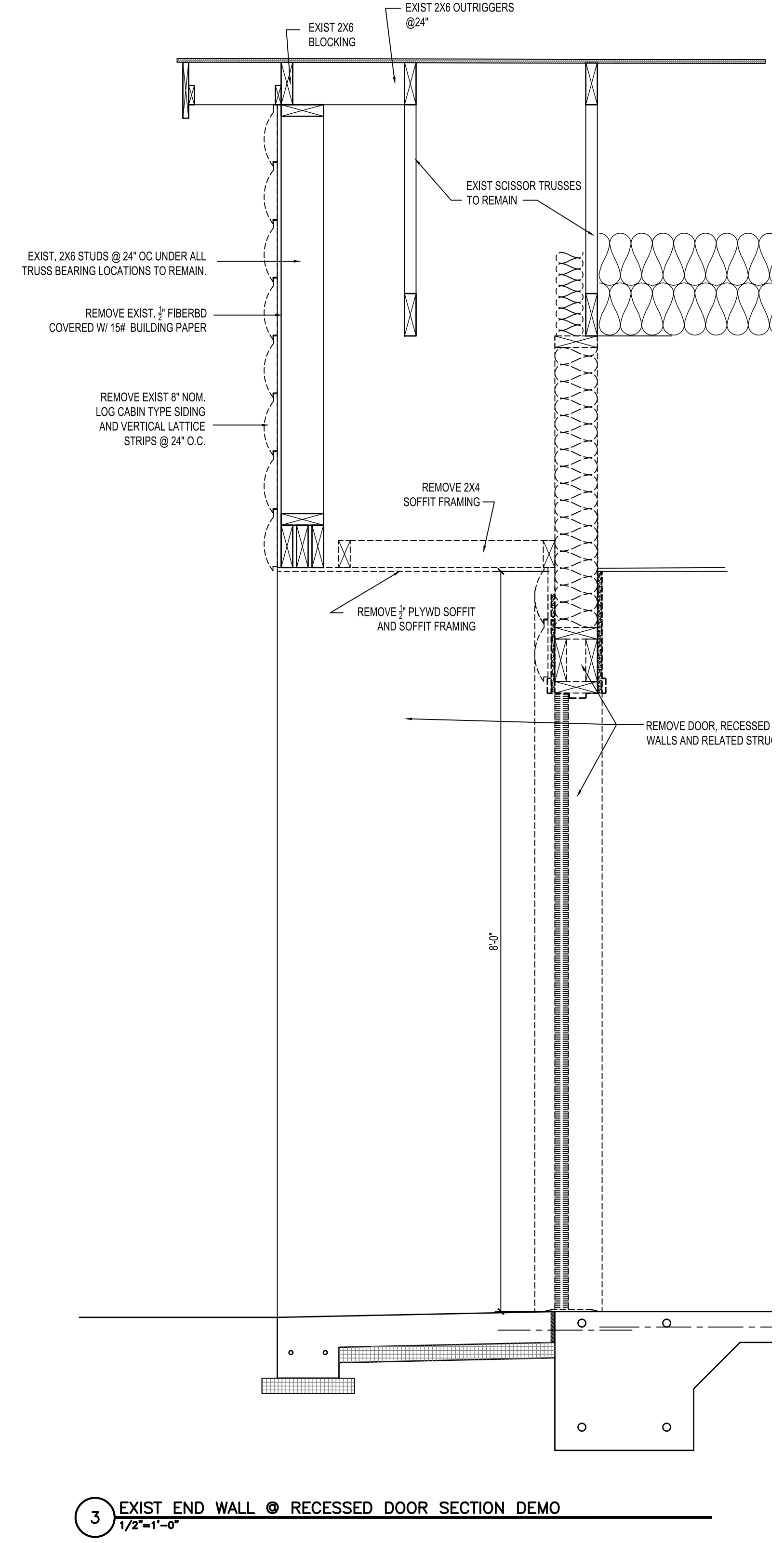
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WALL SECTIONS

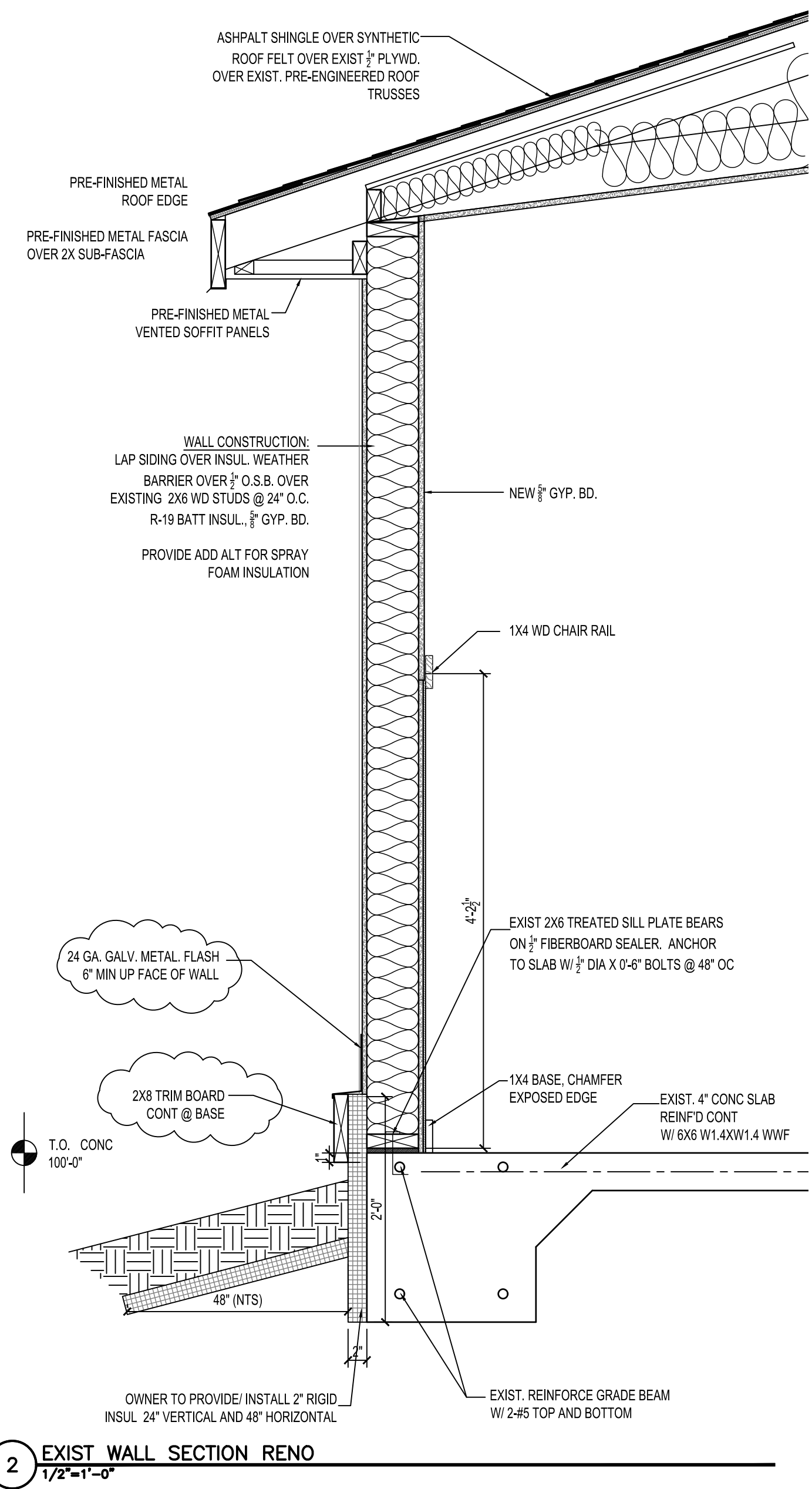
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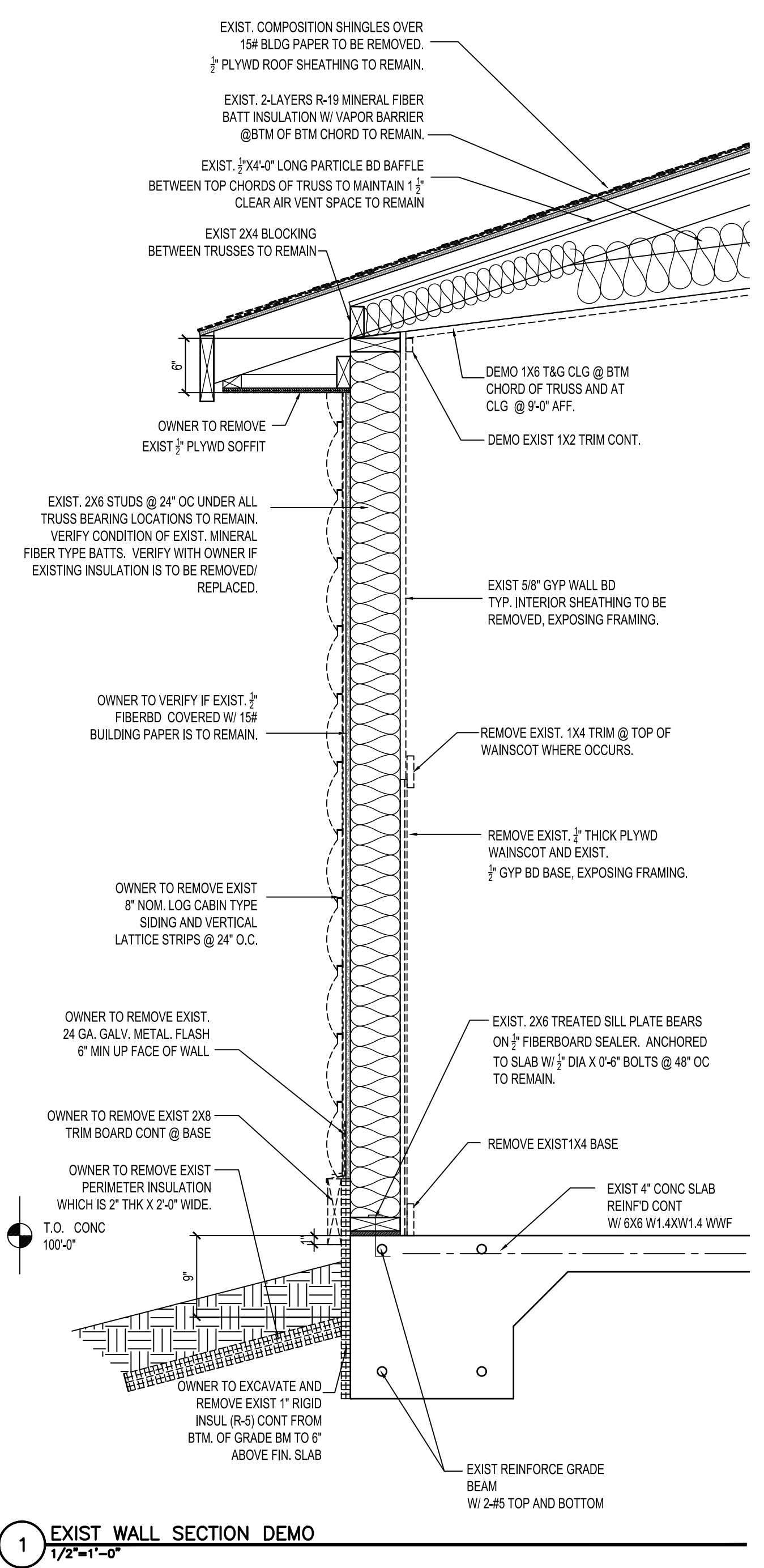
4 EXIST END WALL @ RECESSED DOOR SECTION RENO
1/2"=1'-0"



3 EXIST END WALL @ RECESSED DOOR SECTION DEMO
1/2"=1'-0"



2 EXIST WALL SECTION RENO
1/2"=1'-0"



1 EXIST WALL SECTION DEMO
1/2"=1'-0"

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S. Lake, Minnesota 56681

project no: 20-1827

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY SUPERVISION, AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

JANET J. DEUTSCH
SIGNED: *Janet J. Deutsch*
DATE: 3/9/2020
REG # 42,182

PRELIMINARY: NOT FOR CONSTRUCTION, UNLESS SIGNED BY ARCHITECT

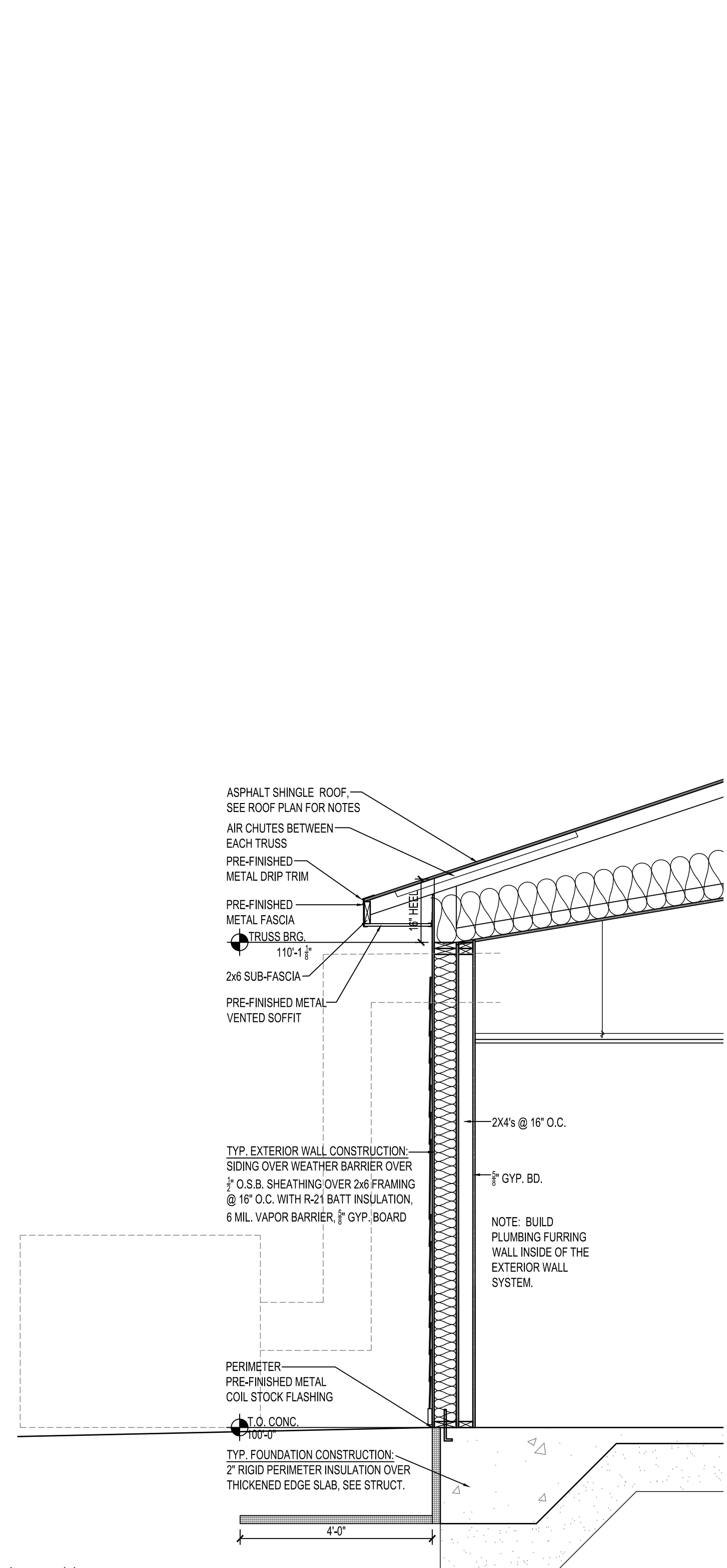
revisions:

FINAL CD'S	date:
	3-9-2020

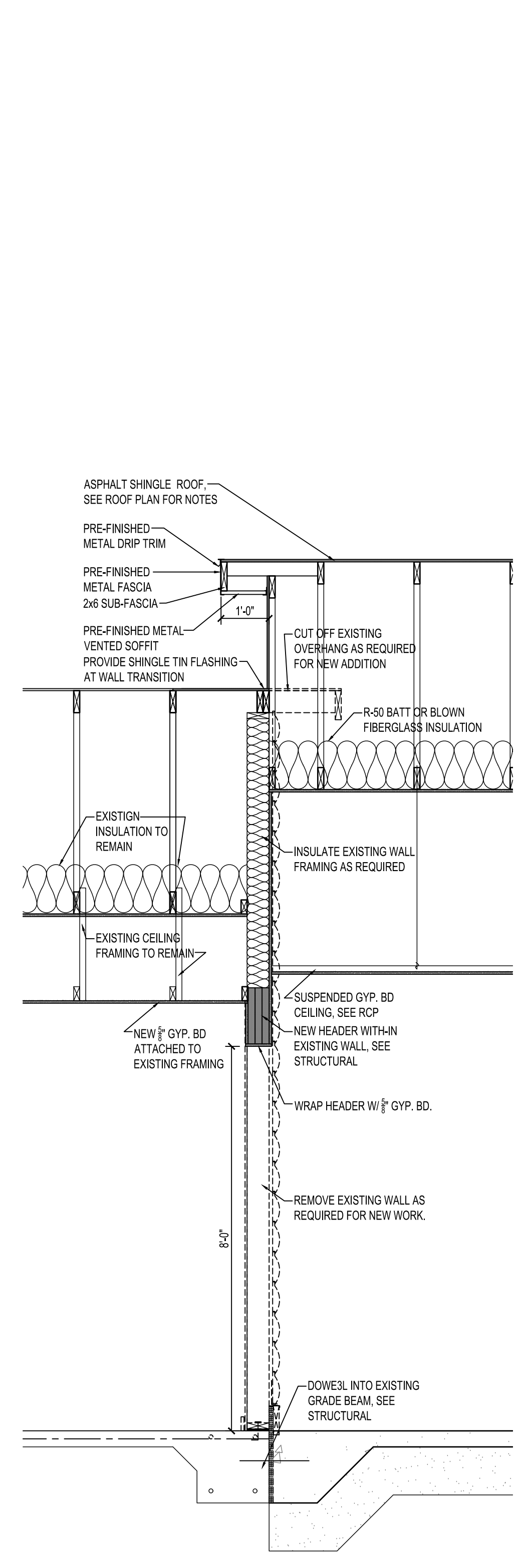
drawn by: ---
designed by: ---
checked by: ---
date: ---

sheet title
WALL SECTIONS

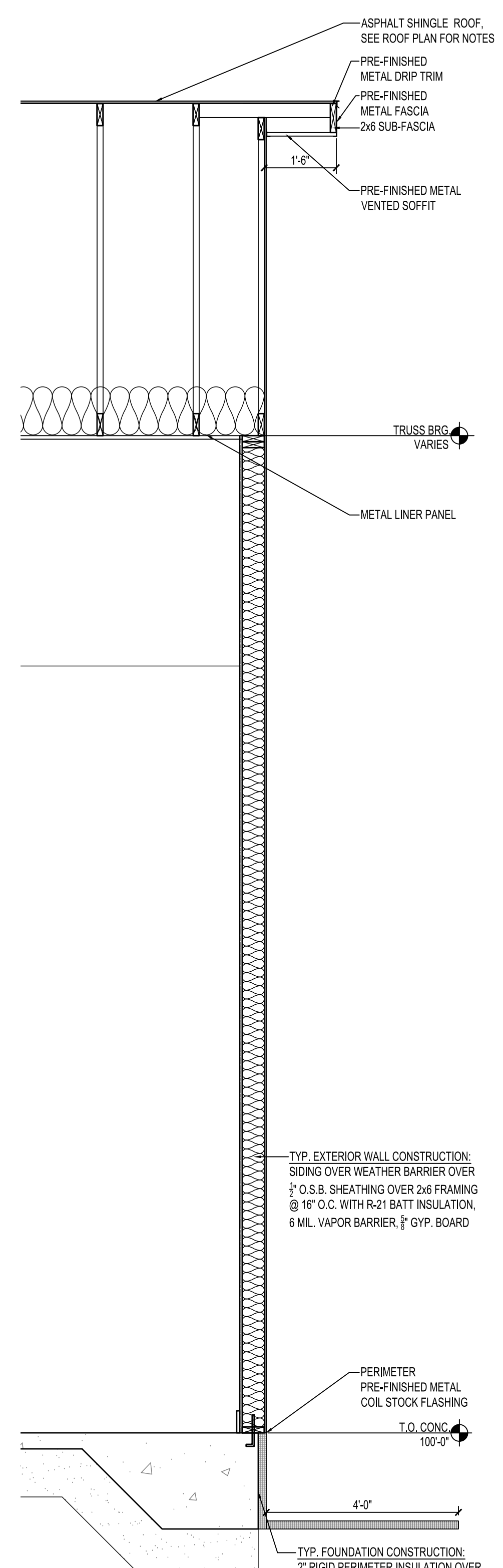
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A7.2



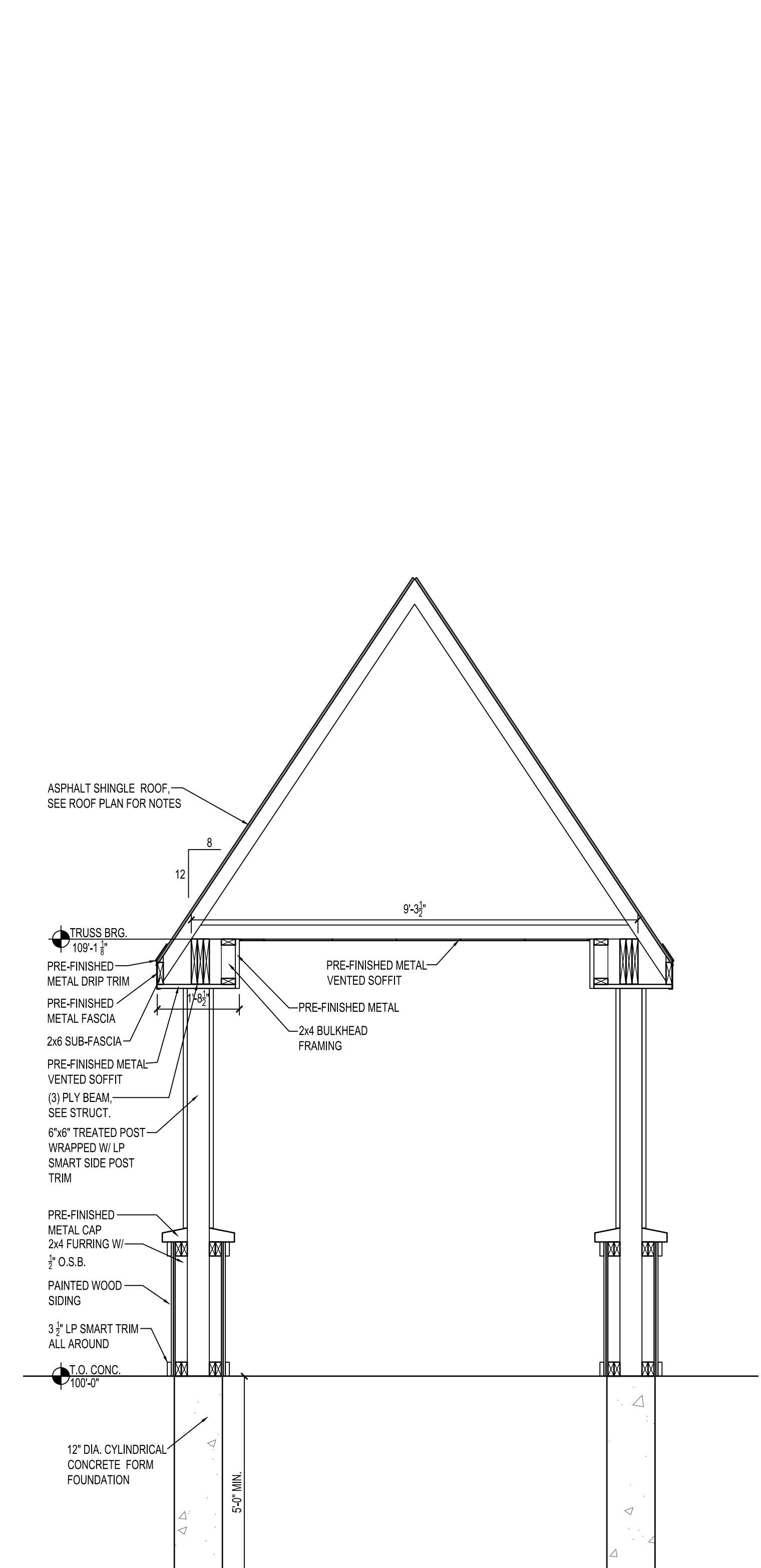
2 WALL SECTION
1/2"=1'-0"



2 WALL SECTION
1/2"=1'-0"



2 WALL SECTION
1/2"=1'-0"



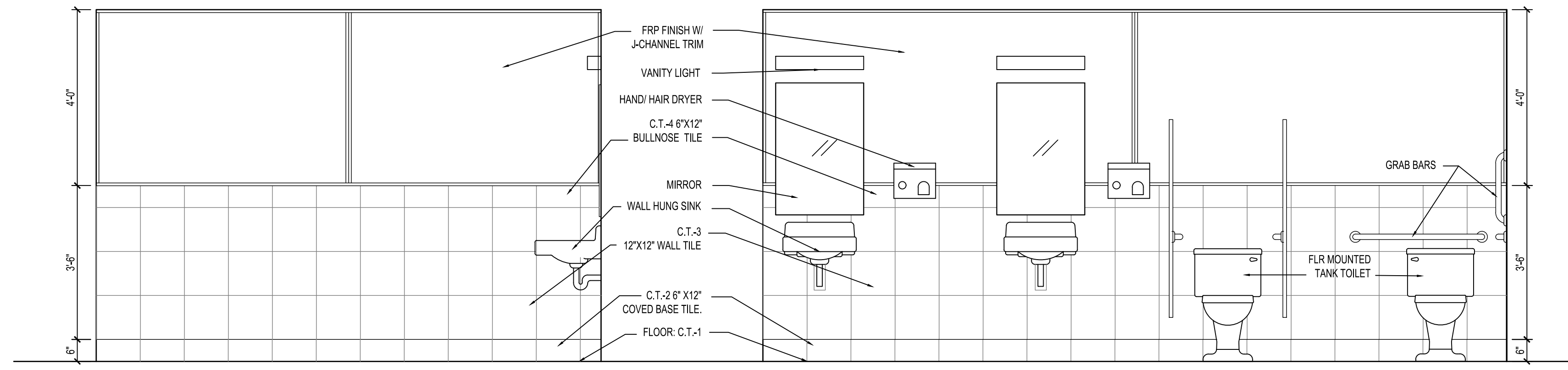
1 CANOPY WALL SECTION
1/2"=1'-0"

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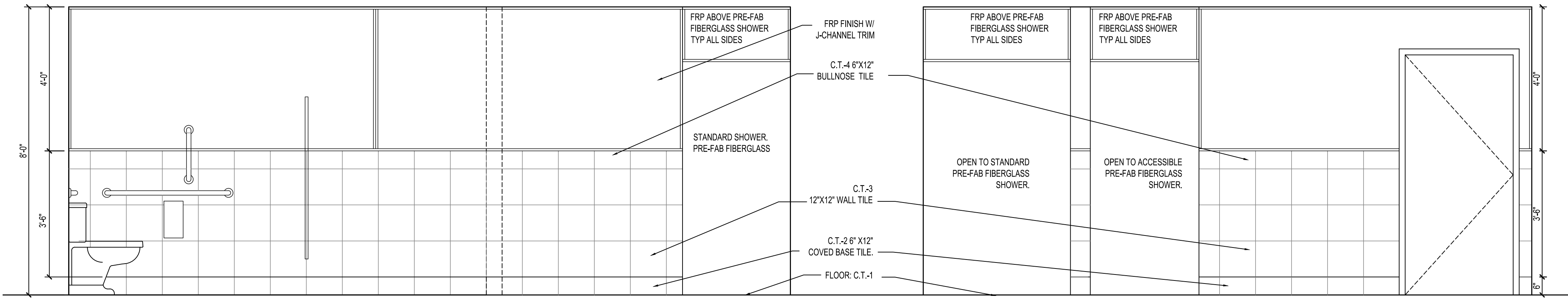
date:	
3-9-2020	FINAL CD'S

drawn by: ---
designed by: ---
checked by: ---
date: ---



WOMEN'S SHOWER 107 VIEW A

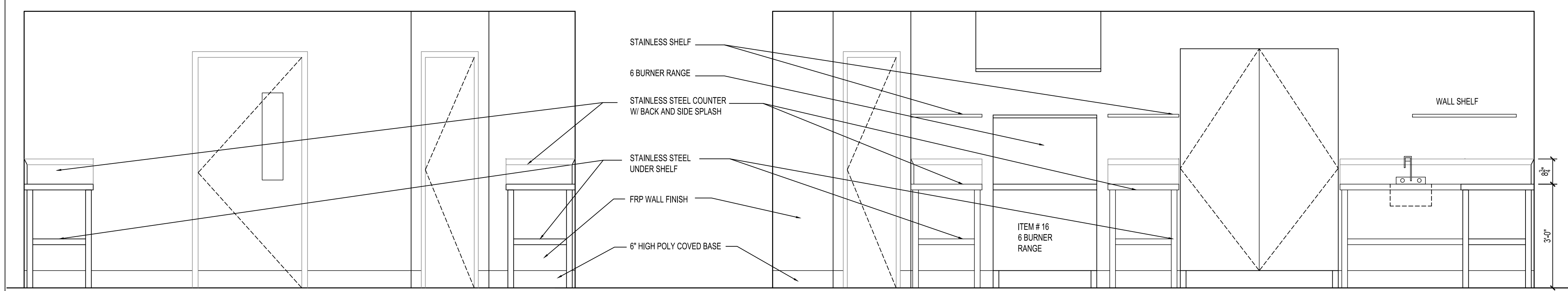
WOMEN'S SHOWER 107 VIEW B



WOMEN'S SHOWER 107 VIEW C

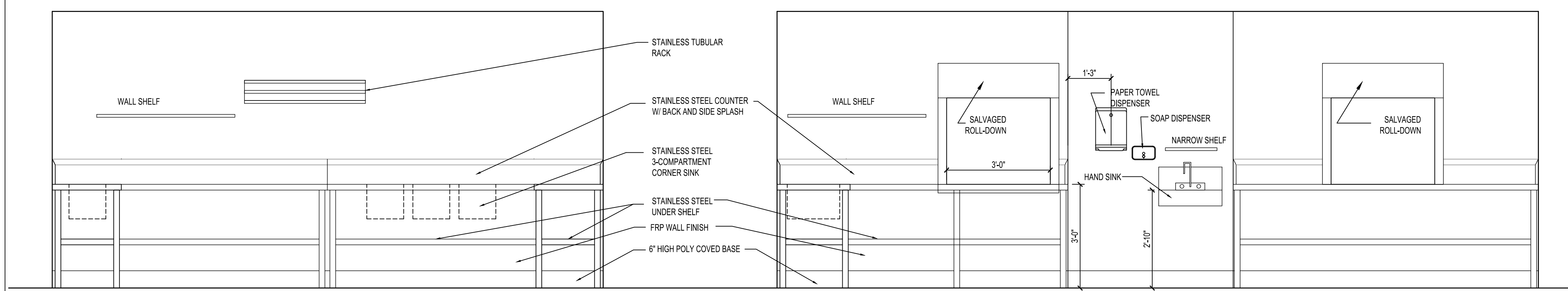
WOMEN'S SHOWER 107 VIEW D

2 107 WOMEN'S SHOWER VIEW A THRU D
1/2"=1'-0"



A

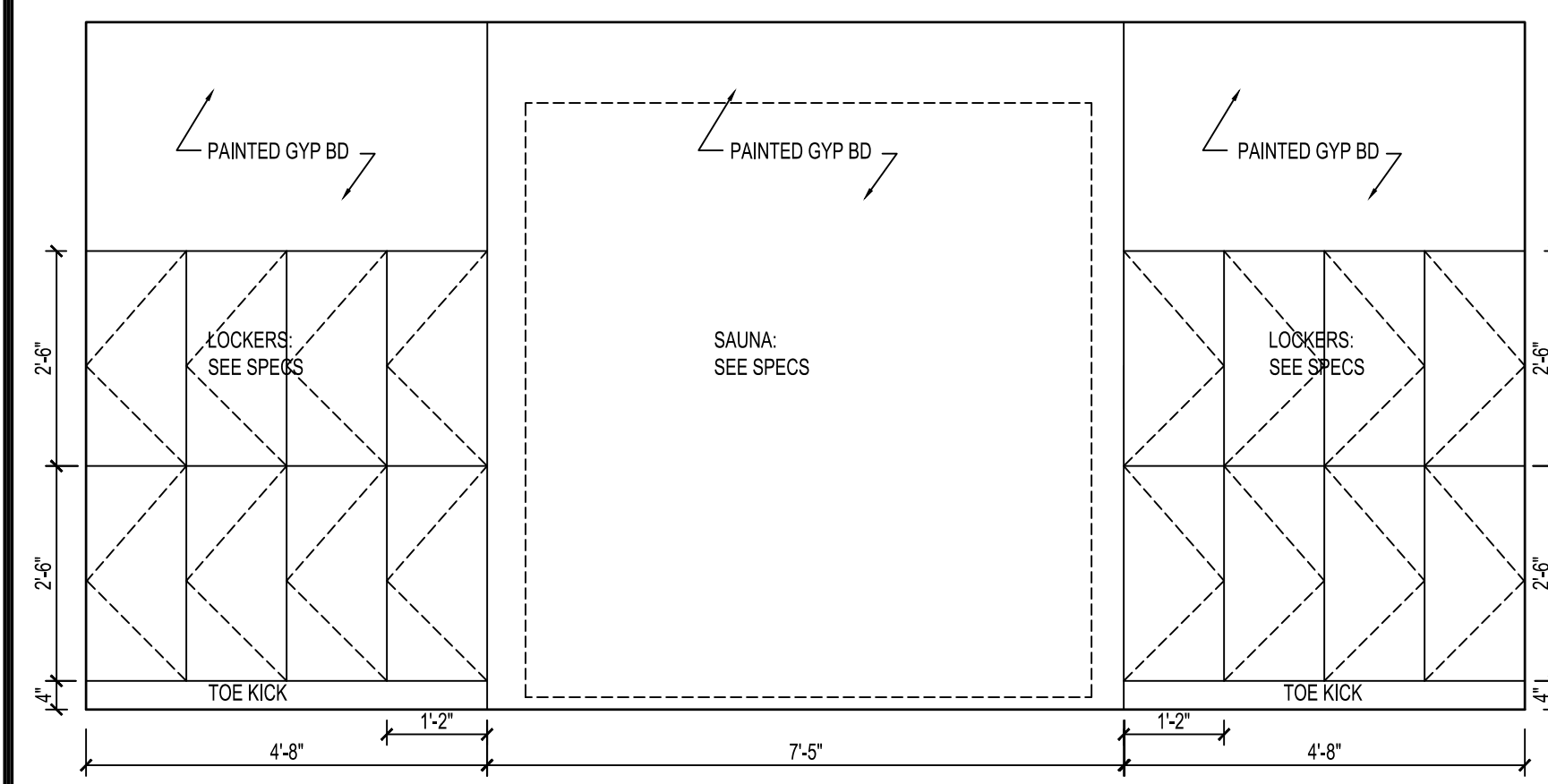
B



C

D

1 KIT ELEV A THRU D
1/2"=1'-0"



3 LOCKERS
1/2"=1'-0"

**S. LAKE
COMMUNITY CENTER**

59979 COUNTY RD 4
S. Lake, Minnesota 56681

project no: 20-1827

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY SUPERVISION, AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

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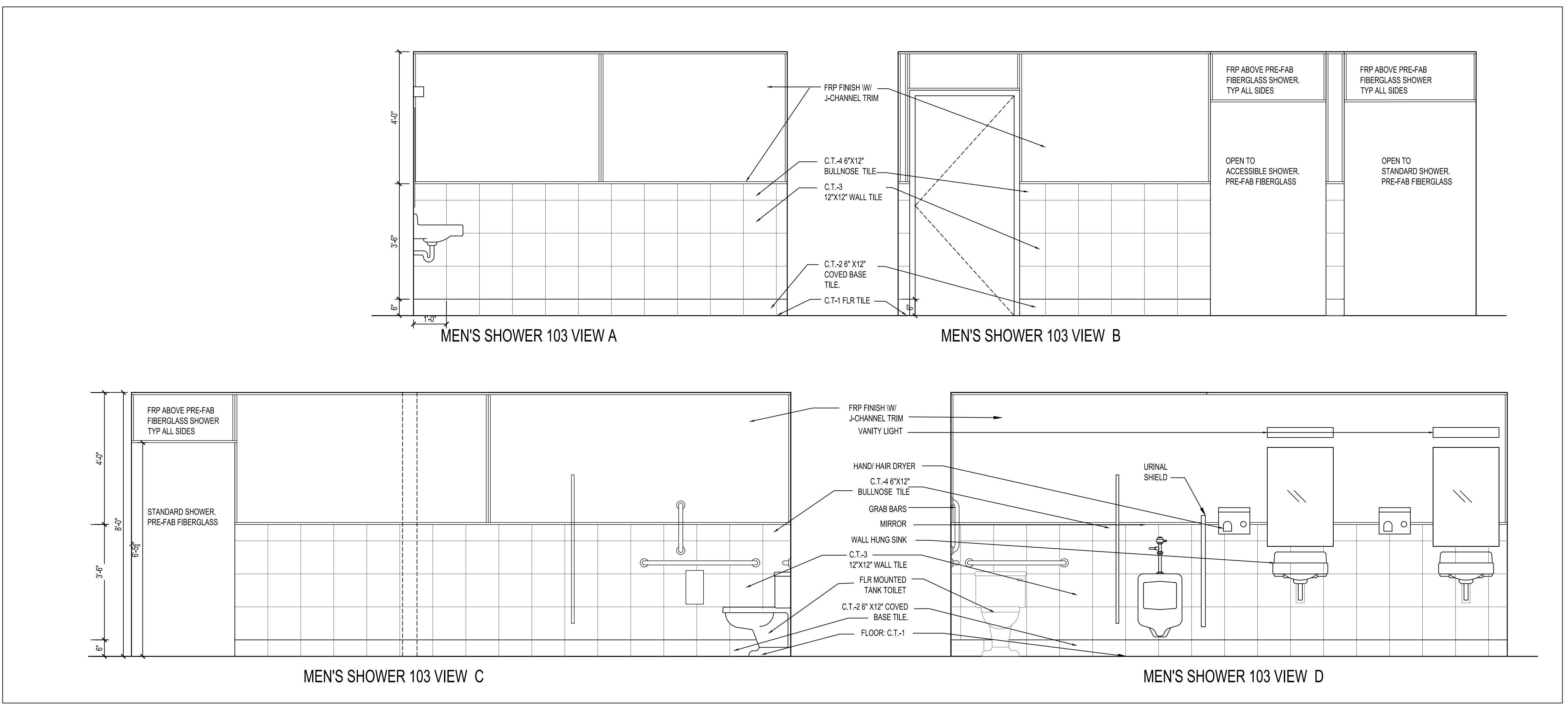
revisions:

date:	
3-9-2020	FINAL CD'S

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designed by: ---
checked by: ---
date: ---

Sheet title
INTERIOR ELEVATIONS

sheet number
A8.1



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WALL TYPE SCHEDULE:	
WALL TYPE	SPECIAL FRAMING REQUIREMENTS
(A)	OPTION 1: FRAMED w/ 2x6 SPF#2 STUDS @ 12" O.C. MAX. (ALIGNMENT w/ TRUSS NOT REQ'D) OPTION 2: FRAMED w/ 2x6 LSL STUDS @ 16" O.C. MAX. (ALIGNMENT w/ TRUSS NOT REQ'D)
(B)	-HEIGHT UP TO 17'-0" FRAMED w/ 2x6 SPF#2 STUDS @ 16" O.C. MAX. -HEIGHT UP TO 20'-0" FRAMED w/ 2x6 SPF#2 STUDS @ 12" O.C. MAX. -HEIGHT OVER 20'-0" FRAMED w/ (2)2x6 SPF#2 STUDS @ 16" O.C. MAX. ***NOTE-BALLOON FRAME TO BOTTOM OF VAULT
(C)	FRAMED w/ 2x6 SPF#2 STUDS @ 12" O.C. MAX. (ALIGNMENT w/ TRUSS NOT REQ'D)

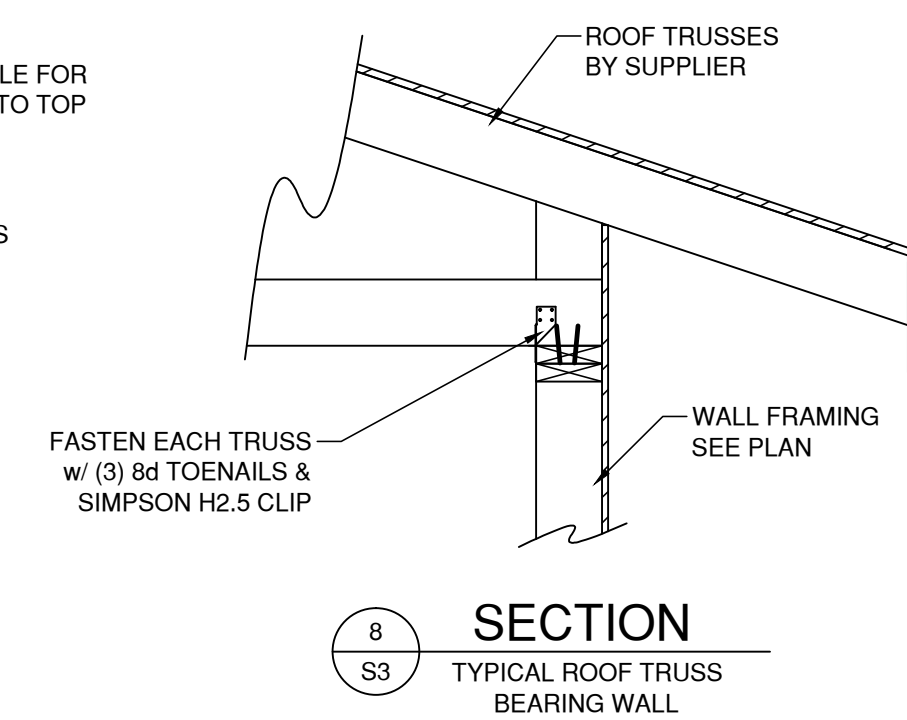
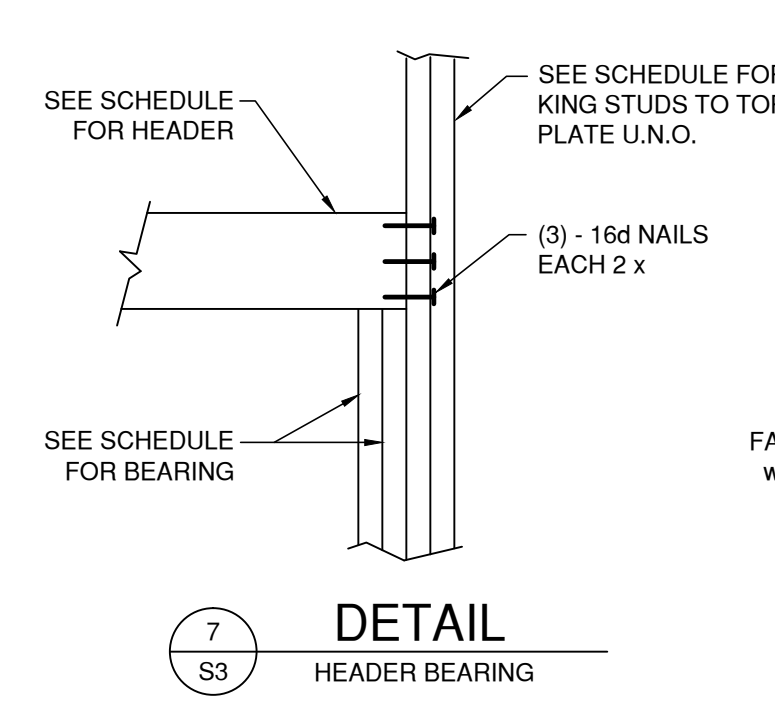
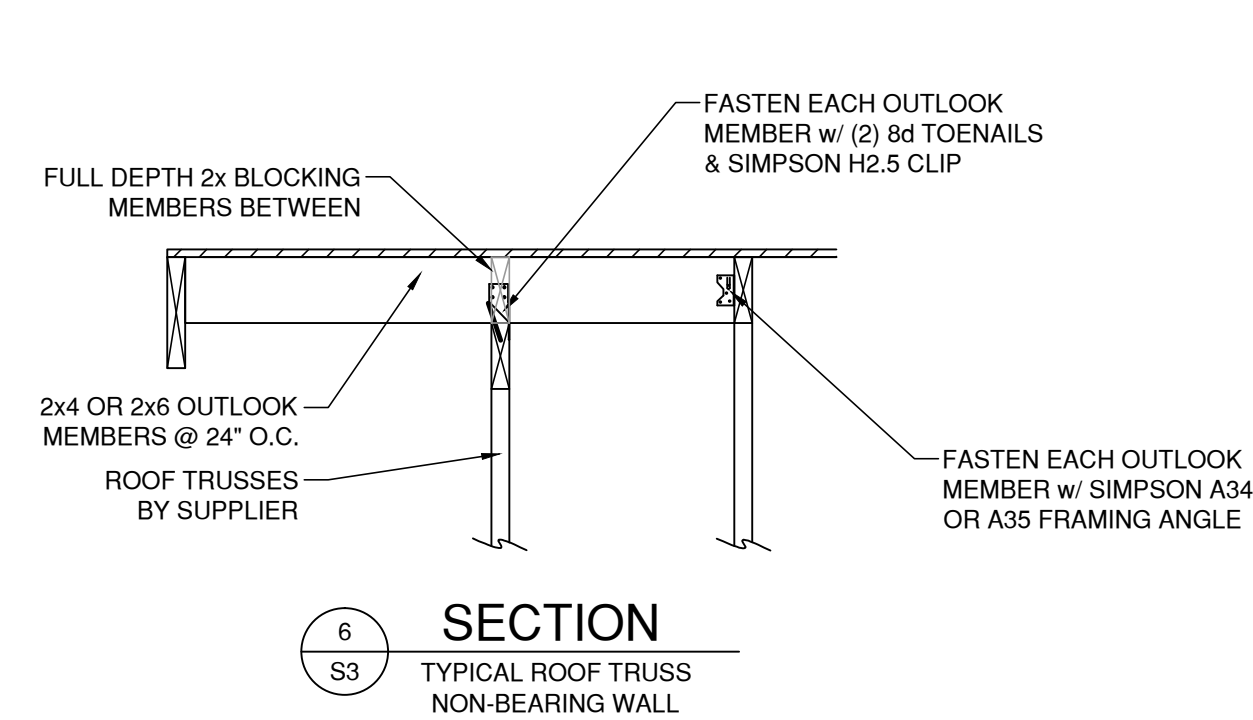
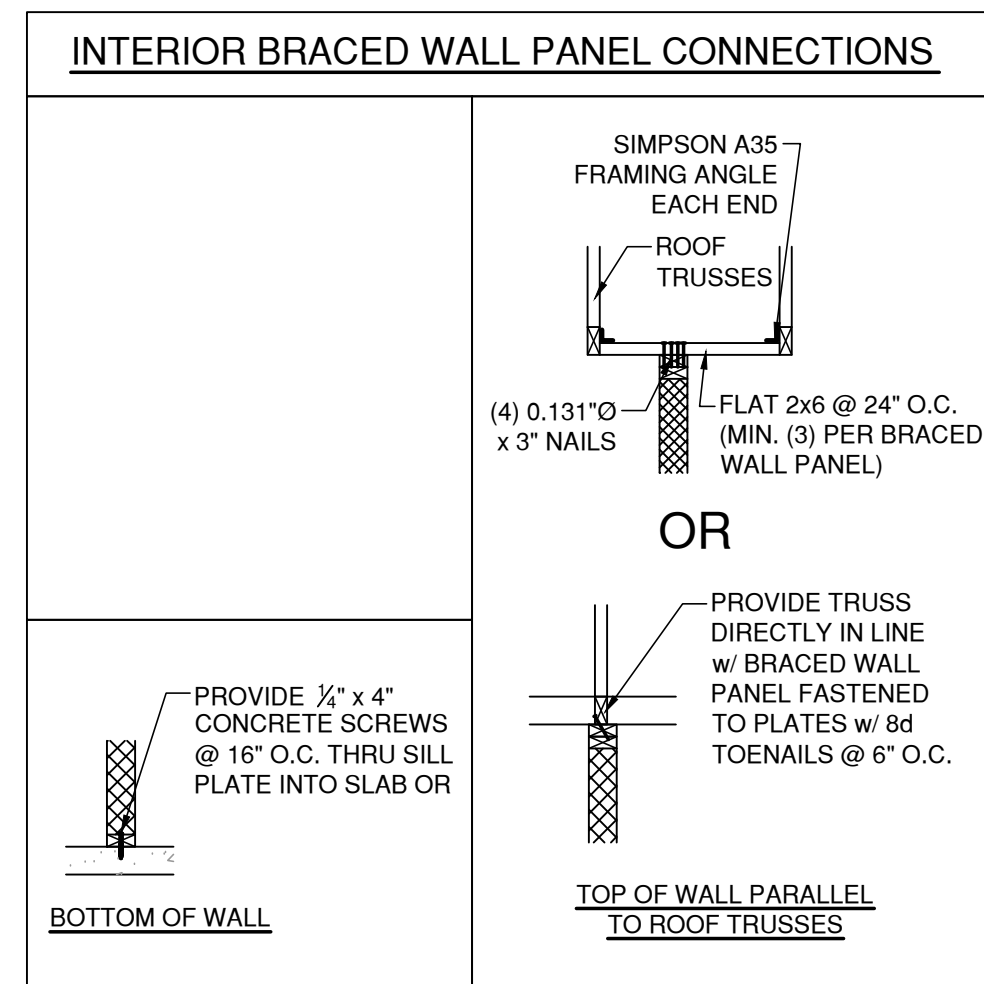
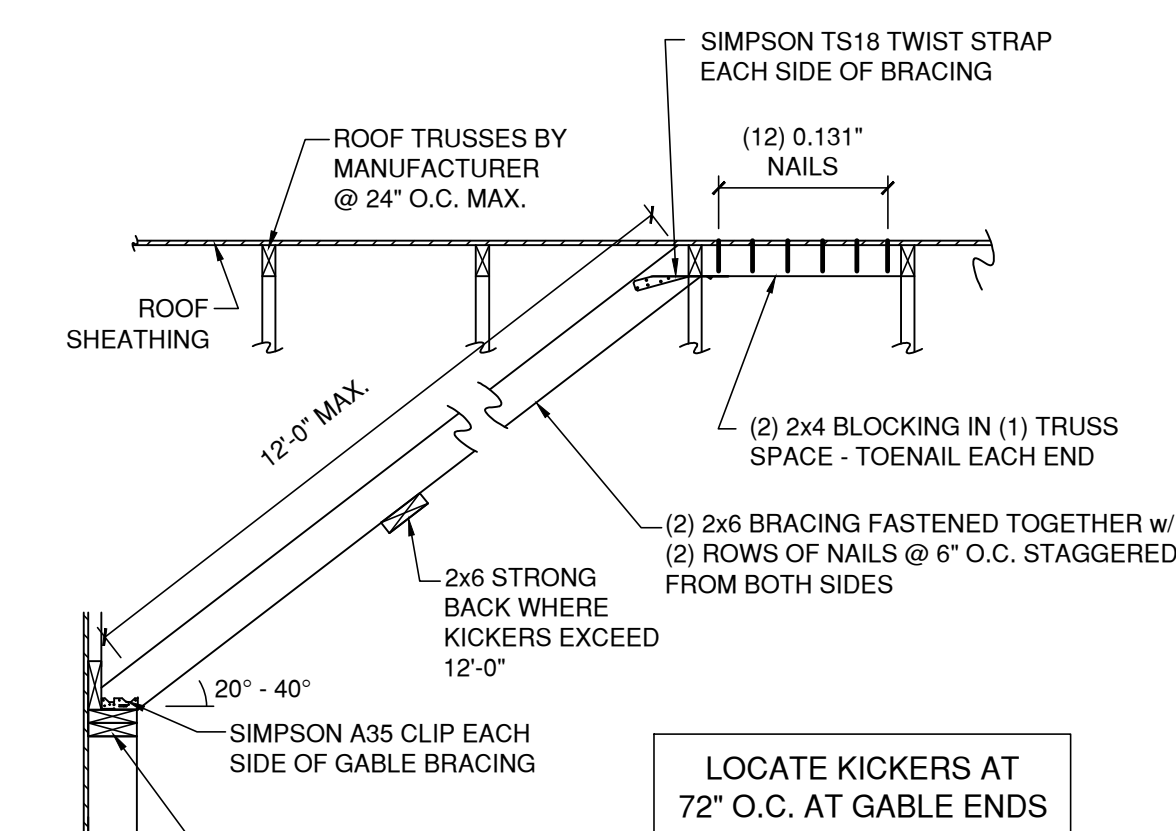
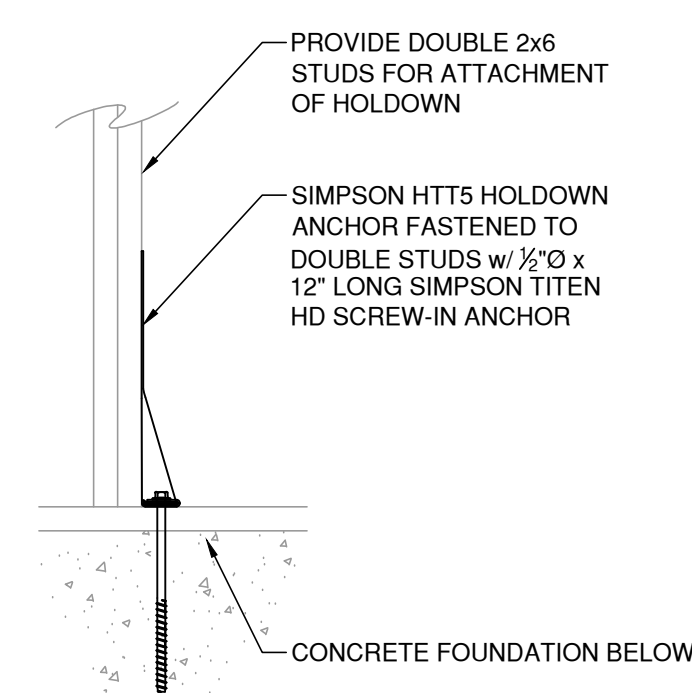
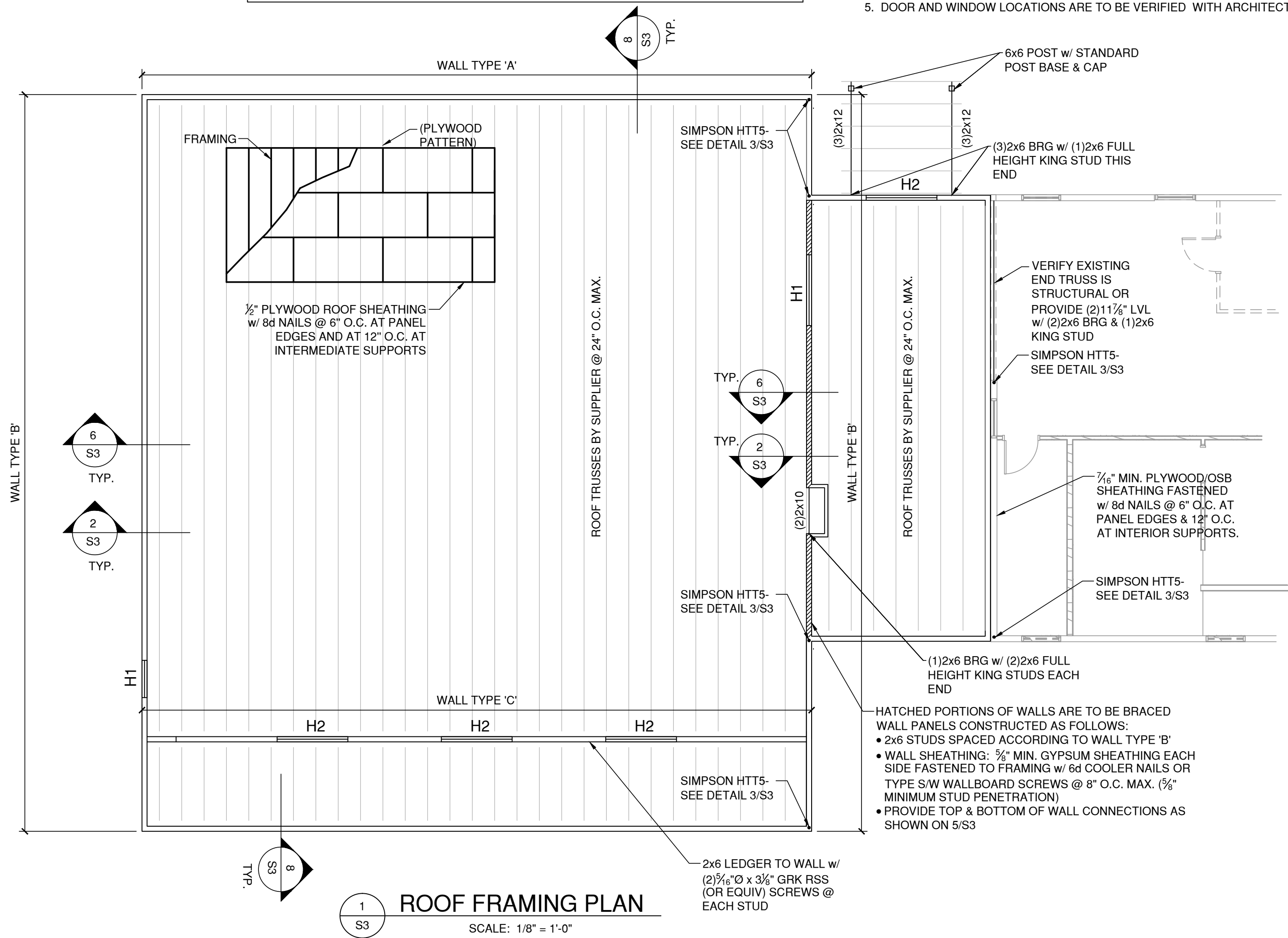
REQUIREMENTS IN THIS TABLE SUPERCEDE THE TYPICAL WALL FRAMING REQUIREMENTS LISTED IN THE FRAMING NOTES. REFER TO FRAMING NOTES FOR THE REMAINING FRAMING REQUIREMENTS.

HEADER SCHEDULE:			
MARK	SIZE	BEARING EACH END	KING STUDS EACH END
H-1	(2) 2x10	(1) 2x6	(2) 2x6
H-2	(2) 1 1/2" x 9 1/2" LVL	(2) 2x6	(1) 2x6

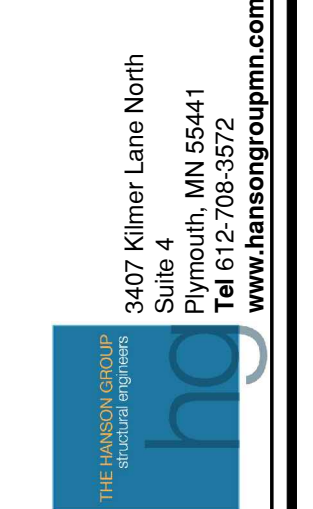
HEADER BEARING SEE DETAIL 7/S3

ROOF FRAMING PLAN NOTES:

- EXTERIOR WALL FRAMING IS TO BE 2x6 STUDS @ 16" O.C. UNLESS NOTED OTHERWISE w/ 7/16" MIN. PLYWOOD/OSB SHEATHING FASTENED w/ 8d NAILS @ 6" O.C. AT PANEL EDGES & 12" O.C. AT INTERIOR SUPPORTS.
- 2x6 INTERIOR BRG. WALL FRAMING IS TO BE 2x6 STUDS @ 16" O.C. UNLESS NOTED OTHERWISE w/ 3/4" MIN. GYPSUM SHEATHING EACH SIDE FASTENED TO FRAMING w/ 6d COOLER NAILS OR TYPE S/W WALLBOARD SCREWS @ 8" O.C. MAX. (3/4" MINIMUM STUD PENETRATION).
- ROOF SHEATHING IS TO BE 1/2" STRUCTURAL PANEL SHEATHING w/ 8d NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS OR 1 1/2" 16 GAUGE STAPLES @ 3" O.C. SPACING.
- 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.
- DOOR AND WINDOW LOCATIONS ARE TO BE VERIFIED WITH ARCHITECTURAL.



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Tel 612.798.5572
www.hansongroup.com

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

Hawk project number: 20-1827

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signed: *Nick Hanson*
Print Name: Nick Hanson
Date: 3-5-20 License Number: 46865

revisions:	date:

drawn by: NGH
checked by: TA
0.019

sheet title
ROOF FRAMING PLAN & DETAILS

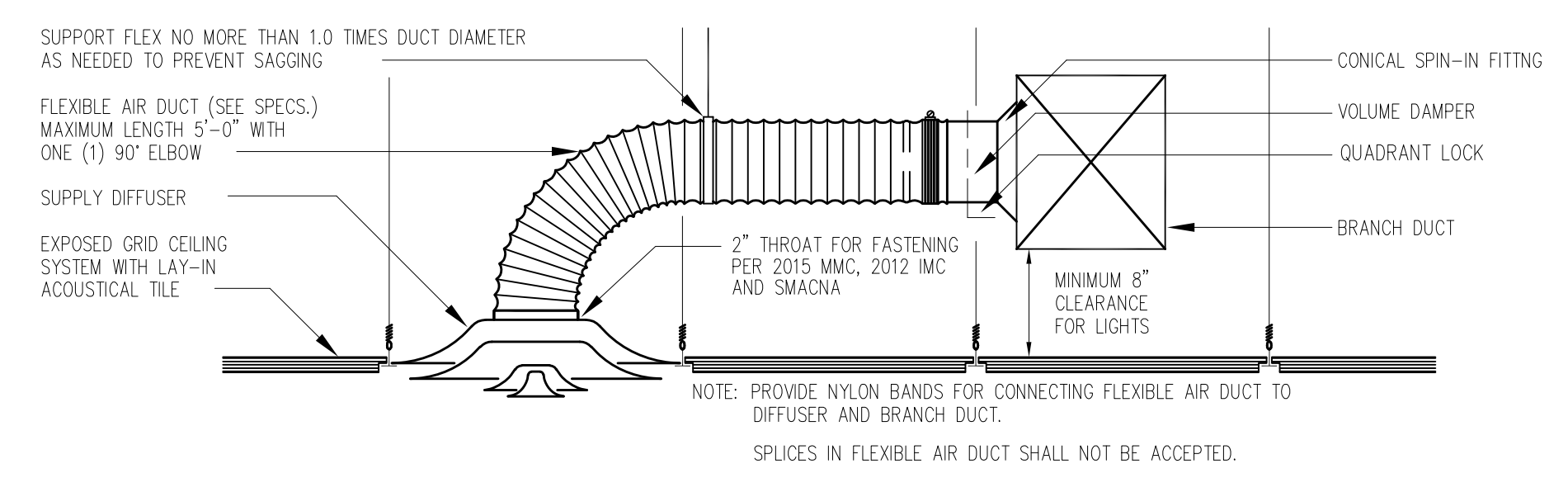
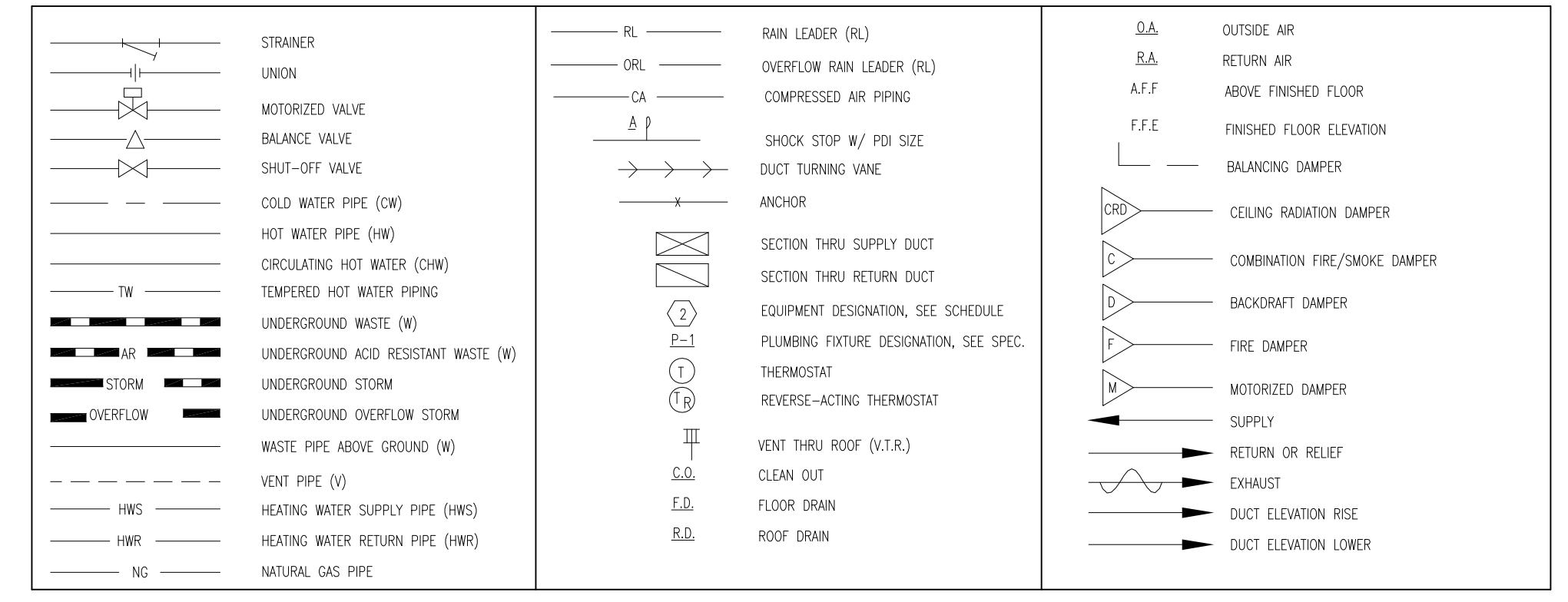
sheet number
S3

EQUIPMENT SCHEDULE

NOTE:
SHOP DRAWINGS SHALL BE CLEARLY IDENTIFIED AS TO PERTINENT EQUIPMENT NO. ○

EQUIP. NO.	LOCATION	DESCRIPTION	QUANTITY	M=MECH E=ELEC				MANUFACTURER & MODEL NO.	CAPACITY	MECH. CONN.	MECHANICAL REMARKS	MOTOR			M=MECH E=ELEC	STARTER	PROVIDED BY	(FUSED) DISCONNECT BY ELEC.	WIRE BY ELEC.	GRD. WIRE BY ELEC.	CONDUIT BY ELEC.	ELECTRICAL REMARKS	EQUIP. NO.
				SUPPLY BY	INSTALL BY	CONNECT BY	RELOCATE BY					H.P.	VOLT	Ø									
①	SEE PLANS	FURNACE W/COIL	3	M	M	M/E		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.S.-SEE PLANS	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ROUTE CONDENSATE TO NEAREST CONDENSATE PUMP OR FLOOR DRAIN. CONNECTED TO ② & ③	10.9 A	120	1	W/UNIT		MOTOR SENTINEL	12	12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATION. WIRE UP WITH EQUIPMENT NUMBER ② & ③	①	
②	SITE	CONDENSING UNIT	3	M	M	M/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 RECOMMENDATIONS. CONNECTED TO ①	34.8 MCA	240	1	W/UNIT		60A-2P FUSED @ 50A	8	10	3/4	INSTALL PER MANUFACTURER'S RECOMMENDATION. WIRE UP WITH EQUIPMENT NUMBER ①	②	
③	SEE PLANS	AIR-TO-AIR EXCHANGER	2	M	M	M/E		RENEWAIRE MODEL# HE1X1NH	600 CFM @ 1.25" E.S.P.	12"Ø R.A./O.A. 12"Ø E.A./I.A.	HANG UNIT FROM STRUCTURE AS HIGH AS POSSIBLE. ROUTE CONDENSATE TO NEAREST CONDENSATE PUMP OR FLOOR DRAIN. INSTALL PER MANUFACTURER'S RECOMMENDATION.	3/4 HP	240	1	W/UNIT		30A-2P FUSED @ 20A	12	12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATION.	③	
④	ROOM 102 JAN/STORAGE	CEILING EXHAUST FAN	1	M	M	M/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 MANUFACTURER'S RECOMMENDATION.	54.3 W	120	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	120	1	W/UNIT		JUNCTION BOX	12	12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	⑤	
⑥	ROOM 104 HALL/LOCKERS	SAUNA	1	O	E	E		ALEKO HEMLOCK INDOOR SAUNA MODEL# ST16HEM-AP				8KW	240	1	W/UNIT		60A-2P FUSED @ 50A	8	10	3/4	WIRE UP CONTROL PANEL AND LIGHTS.	⑥	
⑦	ROOM 109 MECHANICAL ROOM	PRESSURE TANK	1	M	M	M		WELL X-TROL MODEL #WX-350	119.0 GALLON VOLUME 0.39 ACCEPTANCE FACTOR	1-1/2" C.W.	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.										⑦		
⑧	ROOM 109 MECHANICAL ROOM	WATER HEATER	1	M	M	M/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	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	M	M	M/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	1	W/UNIT		30A-1P FUSED @ 20A	12	12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	⑨	
⑩	SEE PLANS	CONDENSATE PUMP	2	M	M	M/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	1	W/UNIT		PLUG	12	12	1/2	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	⑩	
⑪	SEE PLANS	ELECTRIC DUCT COIL	2	M	M	M/E		THERMOLEC MODEL #TER-12-8-240	8KW	12"Ø DUCT	INSTALL PER MANUFACTURER'S RECOMMENDATIONS WITH SCR CONTROL.	8 KW	240	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		QMARK MODEL #LFQ-304	3 KW			3 KW	240	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		QMARK MODEL #EFF4007	3 KW			3 KW	240	1	W/UNIT		BRKR	12	12	1/2	PROVIDE AND INSTALL WITH T-BAR KIT. WIRE UP WITH WALL THERMOSTAT.	⑬	

MECHANICAL LEGEND



TYPICAL DUCT TO DIFFUSER CONNECTION
SCALE: NONE

S. LAKE COMMUNITY CENTER

59979 COUNTY RD 4
S. Lake, Minnesota 56633

project no: 20-1827



The Design Group, Inc.
331 6th Avenue SW
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PH: 218.262.1959
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OTTO W. ANAK
ENGINEER
REG. NO. 93569

revisions:	date:
FINAL CD'S	03-09-20

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

sheet title
MECHANICAL ELECTRICAL PLUMBING EQUIPMENT SCHEDULE

sheet number
mep
1.1

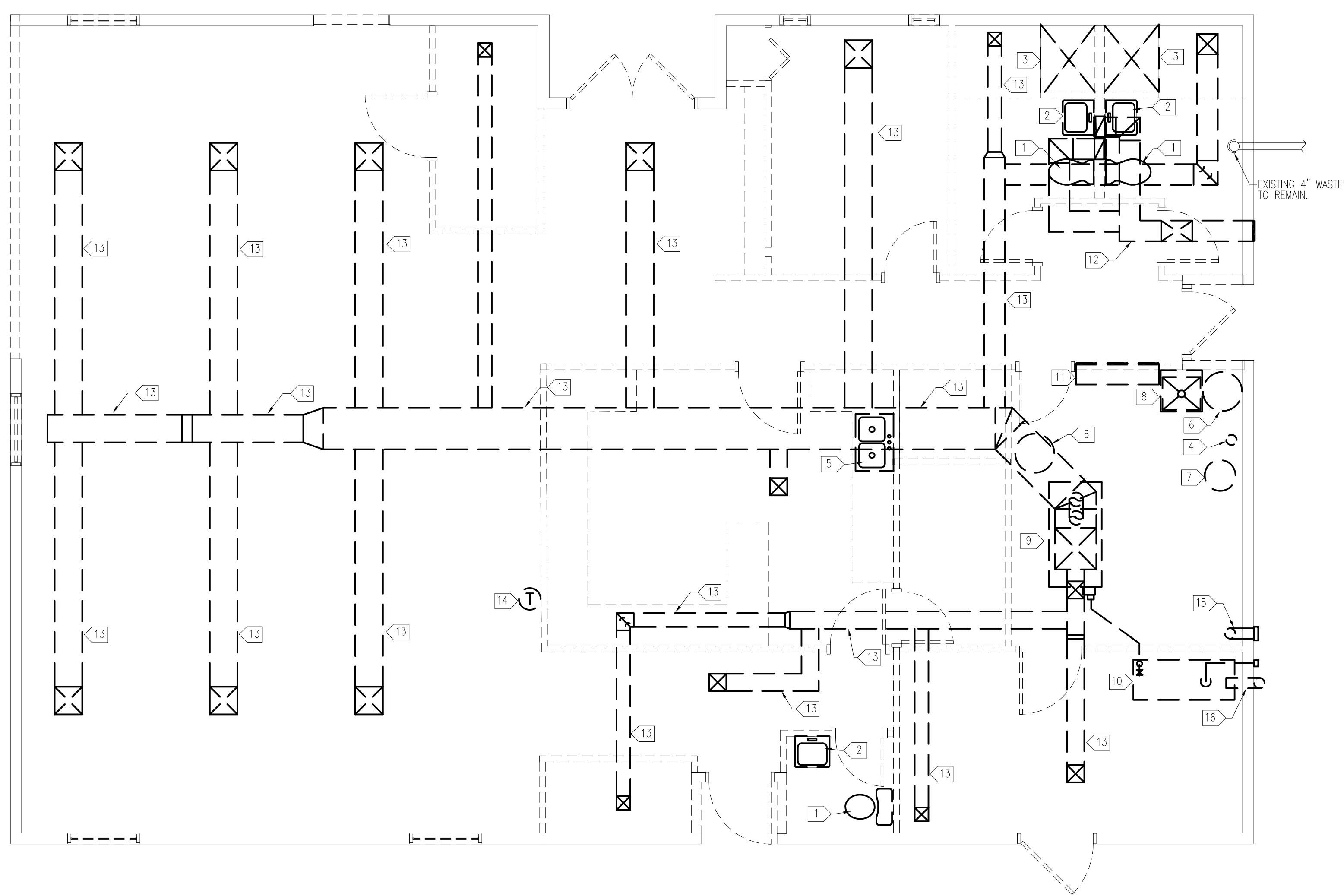
NOTE:
 DASHED LINES INDICATE SYSTEMS AND EQUIPMENT TO BE DISCONNECTED AND REMOVED ENTIRELY. SOLID LINES INDICATE SYSTEMS AND EQUIPMENT TO REMAIN. VERIFY LOCATIONS.

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

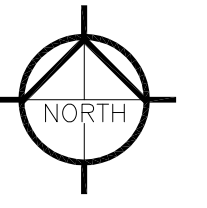
MECHANICAL DEMOLITION NOTES (THIS SHEET):

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 PIPING. FIELD VERIFY.
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 PIPING. FIELD VERIFY.
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.
10. 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 WEATHERTIGHT TO MATCH EXISTING. FIELD VERIFY.
16. CONTRACTOR TO DISCONNECT AND REMOVE EXISTING FUEL OIL FILL PIPING AND ALL RELATED APPURTENANCES. PATCH WALL OPENING WEATHERTIGHT TO MATCH EXISTING. FIELD VERIFY.



MECHANICAL DEMOLITION PLAN

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



**S. LAKE
 COMMUNITY CENTER**
 59979 COUNTY RD 4
 S. Lake, Minnesota 56633

project no: 20-1827

The Design Group Inc.
 The Design Group, Inc.
 331 6th Avenue SW
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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

 OTTO W. AVARI 93569
 ENGINEER REG. NO.

revisions:	
FINAL CD'S	date:
	03-09-20
drawn by: TDG	
designed by: TDG	
checked by: OWM	
date: 00-00-2020	

sheet title
MECHANICAL DEMOLITION PLAN
 sheet number
0.13

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

sheet title
UNDERFLOOR PLUMBING PLAN
 sheet number
1.1^p

PLUMBING NOTES (THIS SHEET):

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.
3. 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:

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

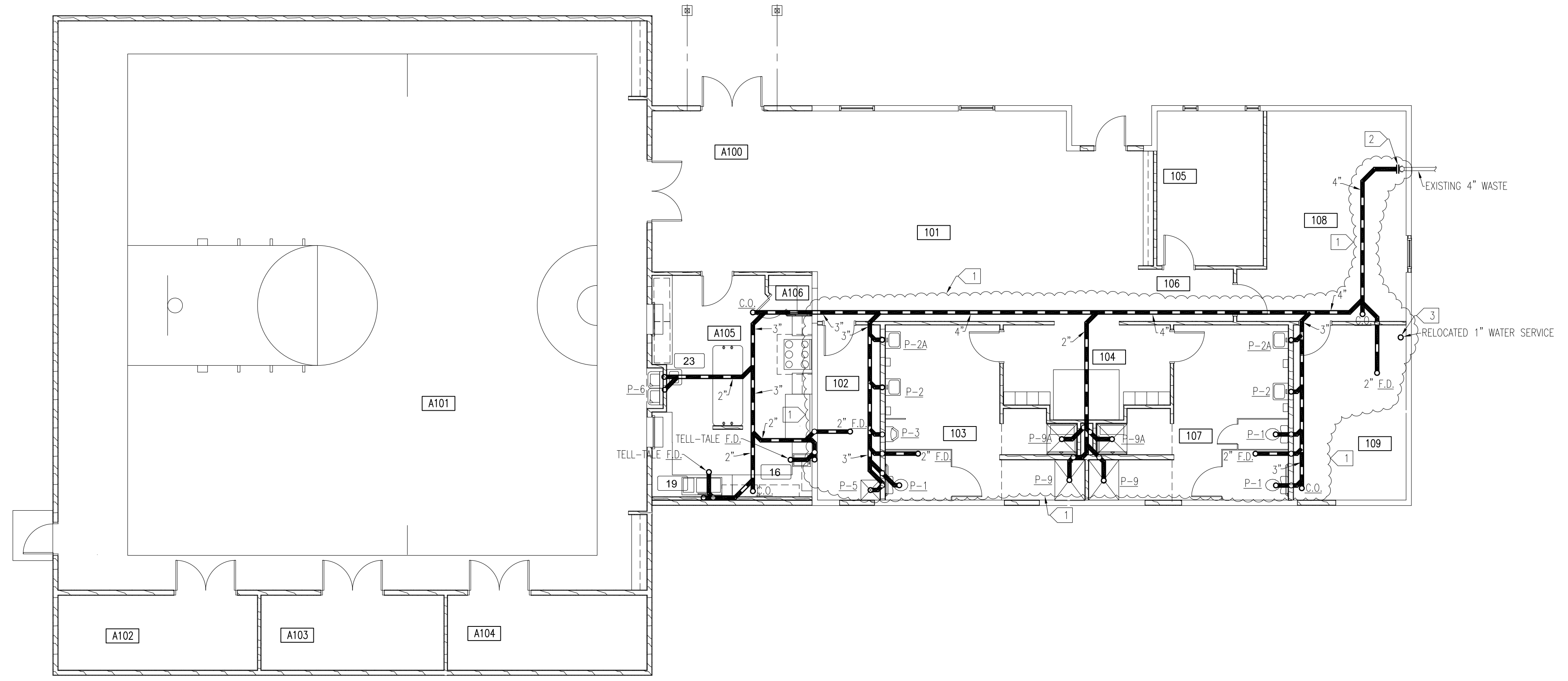
NOTE:
 CONTRACTOR TO INSTALL NEW WASTE PIPING AS SHALLOW AS POSSIBLE TO MAKE INVERT CONNECTION TO EXISTING SANITARY SEWER. SAW-CUT FLOOR AS NECESSARY FOR INSTALLATION OF NEW WASTE PIPING. PATCH TO MATCH EXISTING. CONTRACTOR TO VERIFY LOCATION AND ROUTING.

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

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

PLUMBING FIXTURE SCHEDULE				
FIXTURE	CW	HW	WASTE	VENT
* P-1 WATER CLOSET	1/2"		3"	2"
* P-2 LAVATORY	1/2"	1/2"	2"	1-1/2"
* P-2A LAVATORY	1/2"	1/2"	2"	1-1/2"
* P-3 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"
P-5 SERVICE BASIN	1/2"	1/2"	2"	1-1/2"
* P-6 DRINKING FOUNTAIN	1/2"		2"	1-1/2"
* P-7 FREEZELESS WALL HYDRANT	3/4"			
* P-9 SHOWER	1/2"	1/2"	2"	1-1/2"
* P-9A SHOWER	1/2"	1/2"	2"	1-1/2"

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



UNDERFLOOR PLUMBING PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

FINAL CD'S	date:
	03-09-20

drawn by: TDG

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sheet title
 HVAC PLAN

sheet number

1.13

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.
- 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.
- CONTRACTOR SHALL INSTALL EQUIPMENT, PIPING AND DUCTWORK IN SUCH A MANNER AS TO AVOID ALL INTERFERENCE WITH THE NEW AND EXISTING EQUIPMENT AND SYSTEMS.
- 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".
- ALL OPENINGS AND PENETRATIONS REQUIRED FOR INSTALLATIONS SHOWN ON THE DRAWINGS SHALL BE BY THIS CONTRACTOR, PATCH AND PAINT TO MATCH EXISTING.

GENERAL NOTES:

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

KEY

REGISTER, GRILLE OR DIFFUSER

A-10x6-125

- CFM
- SIZE (IN) REGISTER & GRILLE
- SIZE (IN) DIFFUSER NECK
- STYLE ON SCHEDULE

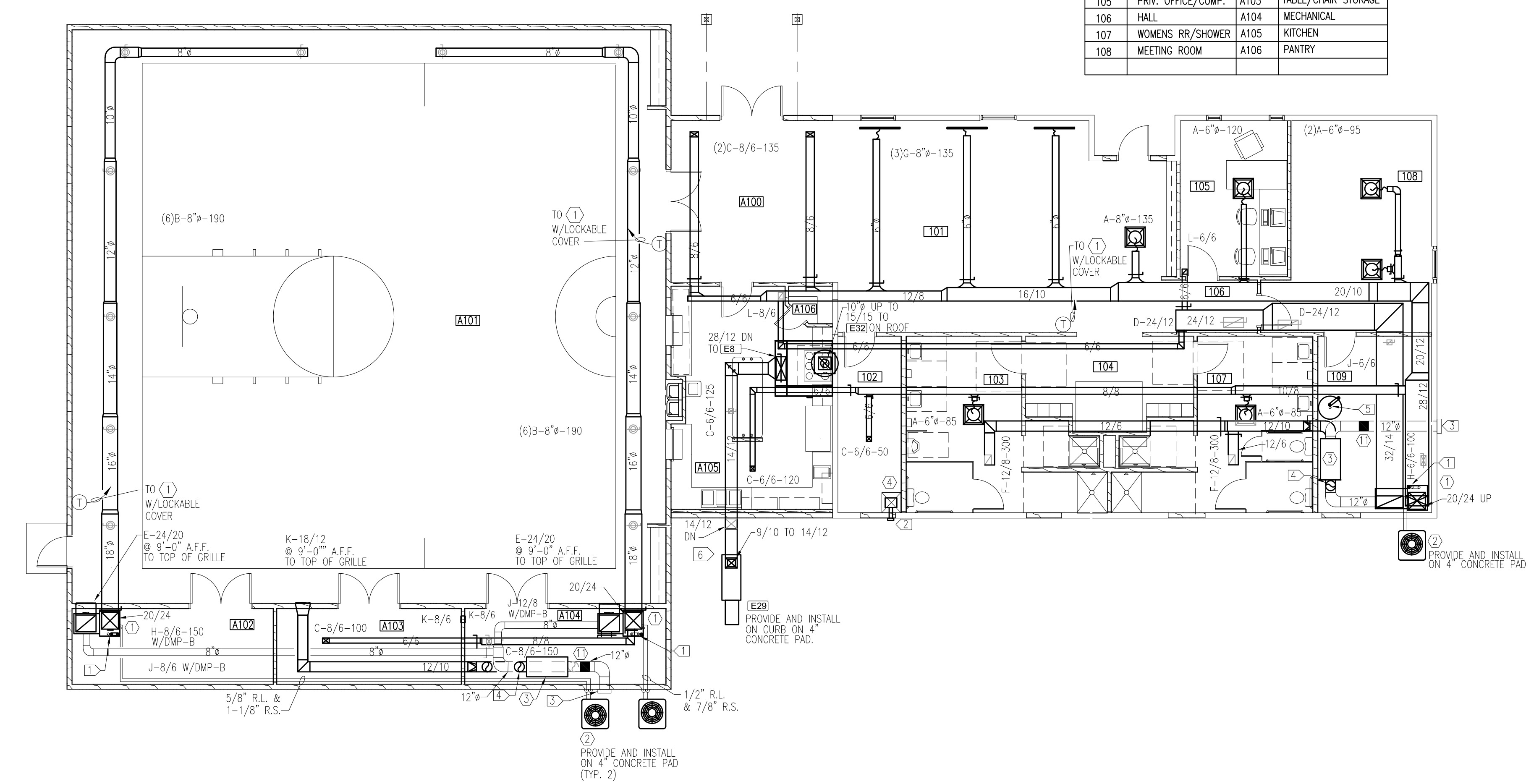
ROOM SCHEDULE

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	A106	PANTRY

REGISTER SCHEDULE

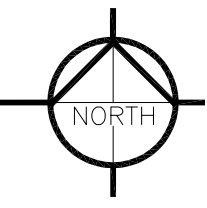
MARK	MODEL	MANUFACTURER	SUPPLY	RELIEF	EXHAUST	ROUNDER	CHILLER	DIFFUSER	WALL	ROOF	DOOR	STYLE	REMARKS
A	TMS	TITUS	X						X	X			NOTE 1, 2
B	TMR	TITUS	X						X	X			NOTE 1, 2
C	300RS	TITUS	X			X			X	X			NOTE 1, 2, 4
D	50F	TITUS	X			X			X	X			NOTE 1, 2, 3
E	50F	TITUS	X			X			X	X			NOTE 1, 2, 3
F	300RL	TITUS		X		X			X	X			NOTE 1, 2, 3
G	ML-39	TITUS	X					X	X				NOTE 1, 2, 4 -? SLOT BORDER TYPE
H	300RS	TITUS	X			X			X	X			NOTE 1, 2
J	300RL	TITUS	X			X			X	X			NOTE 1, 2, 3
K	350RL	TITUS		X		X			X	X			NOTE 1, 2, 3
L	300RL	TITUS		X		X			X	X			NOTE 1, 2, 3

- NOTES:
- FURNISH ALL HARDWARE REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
 - COLOR TO BE DETERMINED BY THE ARCHITECT.
 - PAIN INSIDE OF RETURN DUCTWORK BLACK.
 - ALL PENETRATIONS THROUGH GYPSUM BOARD CEILINGS TO HAVE CEILING RADIATION DAMPERS.



HVAC PLAN

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



PANEL "A" SCHEDULE

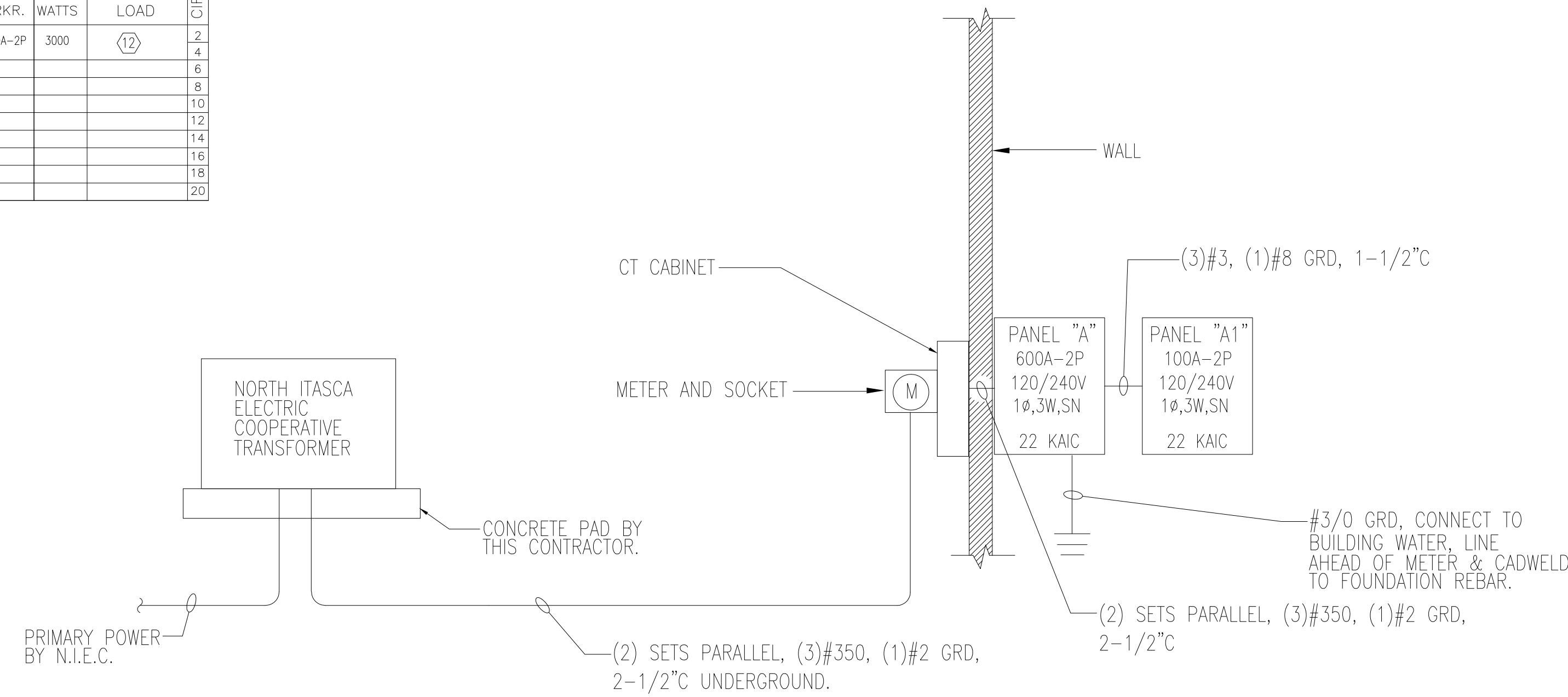
CIR.	LOAD	WATTS	BRKR.	BRKR.	WATTS	LOAD	CIR.
1	LIGHTS	526	20A-1P	20A-1P	258	LIGHTS	2
3	LIGHTS	178	20A-1P	20A-1P	178	LIGHTS	4
5	LIGHTS	218	20A-1P	20A-1P	168	LIGHTS	6
7	LIGHTS	1440	20A-1P	20A-1P	540	LIGHTS	8
9	Ⓢ SIGNAGE	500	20A-1P	20A-1P	400	Ⓢ	10
11	Ⓢ	720	20A-1P	20A-1P	360	Ⓢ WAP	12
13	Ⓢ	540	20A-1P	20A-1P	360	Ⓢ	14
15	Ⓢ	900	20A-1P	20A-1P	720	Ⓢ	16
17	Ⓢ	540	20A-1P	20A-1P	540	Ⓢ	18
19	Ⓢ	180	20A-1P	20A-1P	360	Ⓢ	20
21	Ⓢ	1400	20A-1P	20A-1P	1400	Ⓢ	22
23	Ⓢ	720	20A-1P	20A-1P	360	Ⓢ	24
25	Ⓢ	1400	20A-1P	20A-1P	1400	Ⓢ	26
27	Ⓢ	180	20A-1P	20A-1P	360	Ⓢ	28
29	Ⓢ	360	20A-1P	20A-1P	360	Ⓢ	30
31	Ⓢ	540	20A-1P	20A-1P	540	Ⓢ	32
33	Ⓢ	720	20A-1P	20A-1P	360	Ⓢ	34
35	Ⓢ WAP	360	20A-1P	20A-1P	180	Ⓢ	36
37	Ⓢ	180	20A-1P	20A-1P	180	Ⓢ	38
39	Ⓢ	360	20A-1P	20A-1P	180	Ⓢ	40
41	Ⓢ	3000	20A-2P	20A-2P	3000	Ⓢ	42
43	Ⓢ	1308	20A-1P	20A-1P	1308	Ⓢ	44
45	Ⓢ	1308	20A-1P	20A-1P	1000	Ⓢ	46
47	Ⓢ	8352	50A-2P	20A-2P	1000	Ⓢ	48
49	Ⓢ	8352	50A-2P	20A-2P	8000	Ⓢ	50
51	Ⓢ	8352	50A-2P	50A-2P	8000	Ⓢ	52
53	Ⓢ	8352	50A-2P	50A-2P	8000	Ⓢ	54
55	Ⓢ	8352	50A-2P	20A-1P	200	LIGHT	56
57	Ⓢ	500	20A-1P	20A-1P	100	Ⓢ	58
59	Ⓢ	200	20A-1P	20A-1P	180	Ⓢ	60
61	Ⓢ	8000	50A-2P	50A-2P	8000	Ⓢ	62
63	Ⓢ	17000	80A-2P	20A-1P	1500	Ⓢ	64
65	Ⓢ	1500	20A-1P	20A-1P	540	Ⓢ	66
67	Ⓢ	1800	20A-1P	20A-1P	1800	Ⓢ	68
69	Ⓢ	780	20A-1P	20A-2P	1656	Ⓢ	70
71	Ⓢ	800	20A-2P	20A-1P	180	Ⓢ	72
73	Ⓢ	360	20A-1P	20A-1P	180	Ⓢ	74
75	Ⓢ	360	20A-1P	20A-1P	180	Ⓢ	76
77	Ⓢ	360	20A-1P	20A-1P	180	Ⓢ	78
79	Ⓢ	360	20A-1P	20A-1P	180	Ⓢ	80
81	Ⓢ	360	20A-1P	20A-1P	180	Ⓢ	82
83	Ⓢ	360	20A-1P	20A-1P	180	Ⓢ	84

PANEL SHALL BE RATED AT 22 KAIC

PANEL "A1" SCHEDULE

CIR.	LOAD	WATTS	BRKR.	BRKR.	WATTS	LOAD	CIR.
1	(12)	3000	20A-2P	20A-2P	3000	(12)	2
5	EXISTING WELL PUMP	1200	20A-2P				6
7							8
9							10
11							12
13							14
15							16
17							18
19							20

PANEL SHALL BE RATED AT 22 KAIC



POWER RISER

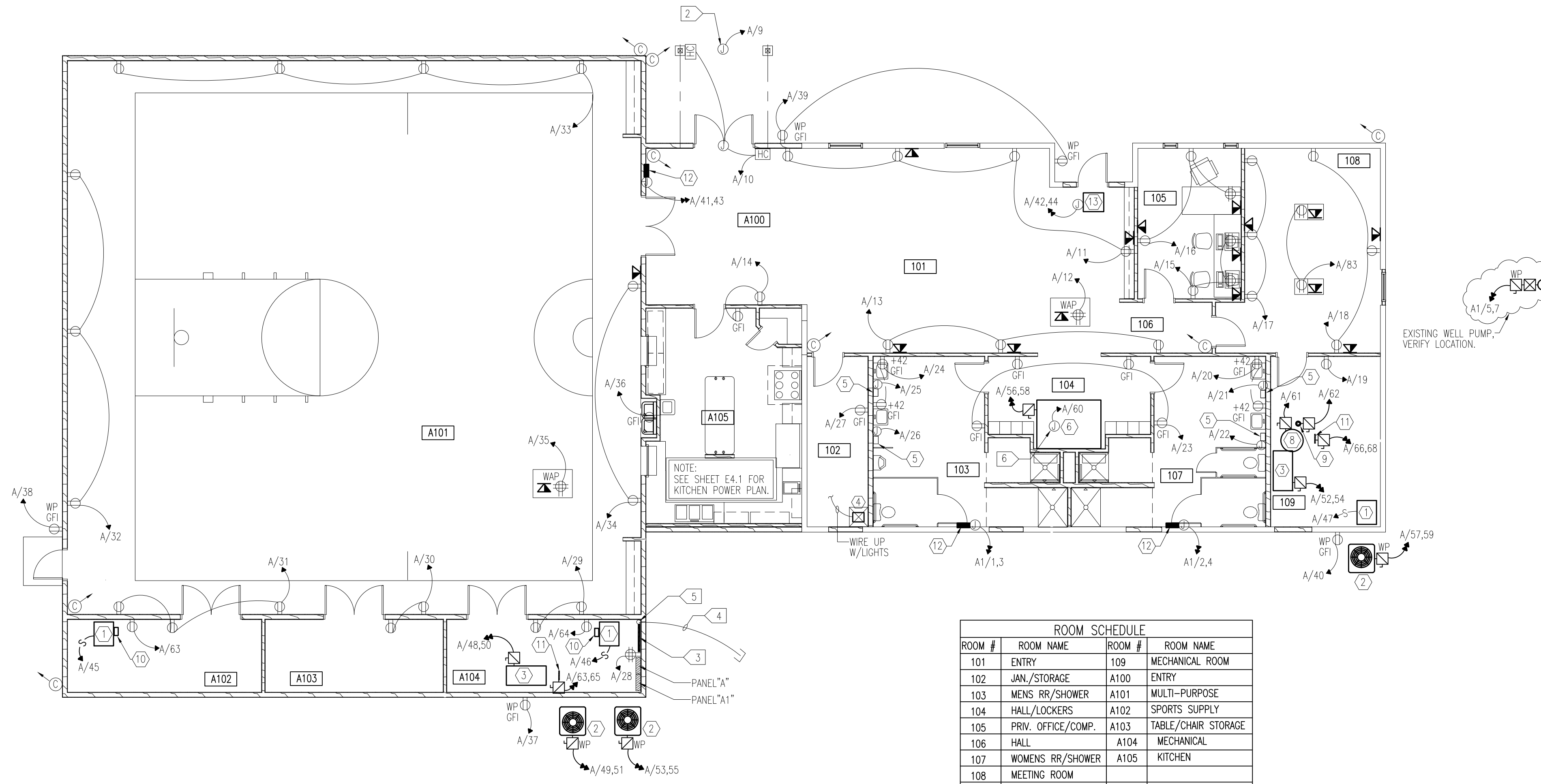
NOT TO SCALE

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- 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.
- CONTRACTOR SHALL INSTALL EQUIPMENT, FIXTURES, 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 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.
- ALL OPENINGS AND PENETRATIONS REQUIRED FOR INSTALLATIONS SHOWN ON THE DRAWINGS SHALL BE BY THIS CONTRACTOR, PATCH AND PAINT TO MATCH EXISTING.
- 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 PASSES THROUGH FIRE RATED PARTITIONS. REFER TO SPECIFICATION SECTION "FIRE STOPPING".

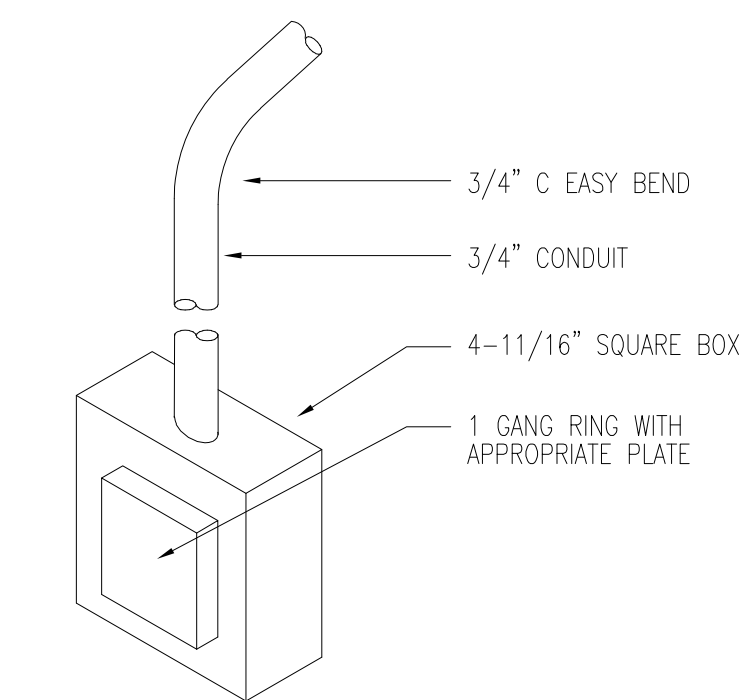
ELECTRICAL NOTES (THIS SHEET):

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



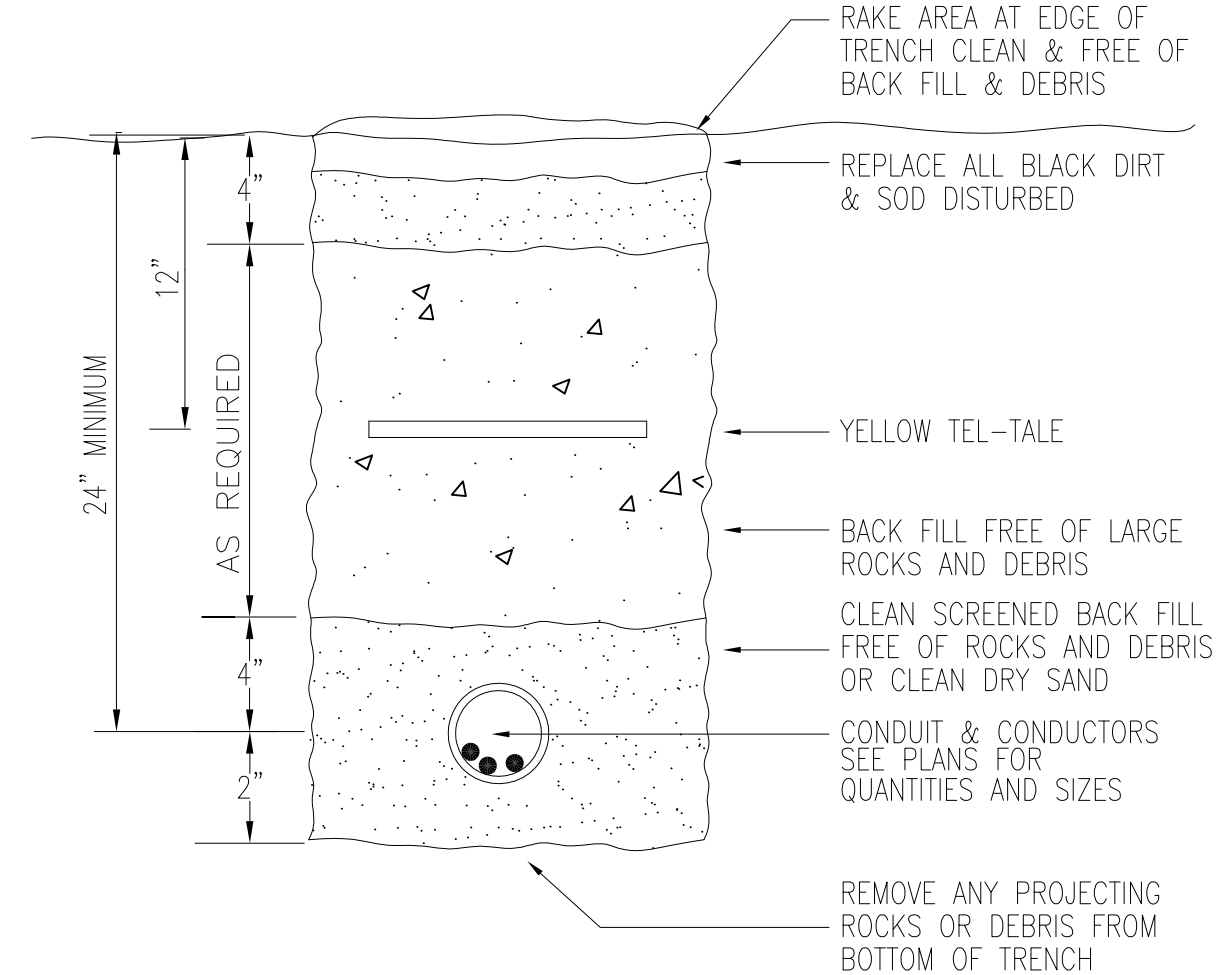
POWER PLAN

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



TYPICAL TELEPHONE/DATA OUTLET LOCATION DETAIL

NO SCALE



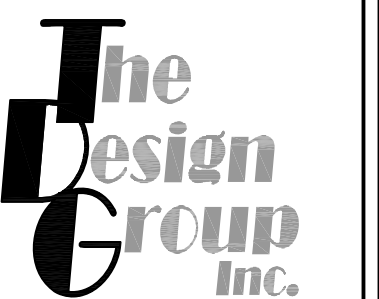
TYPICAL TRENCH SECTION

NO SCALE



S. LAKE COMMUNITY CENTER
59979 COUNTY RD 4
S. Lake, Minnesota 56633

project no: 20-1827



The Design Group, Inc.
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PH: 218.262.1959
FX: 218.262.1976

OTTO W. AWAR
ENGINEER REG. NO. 93569

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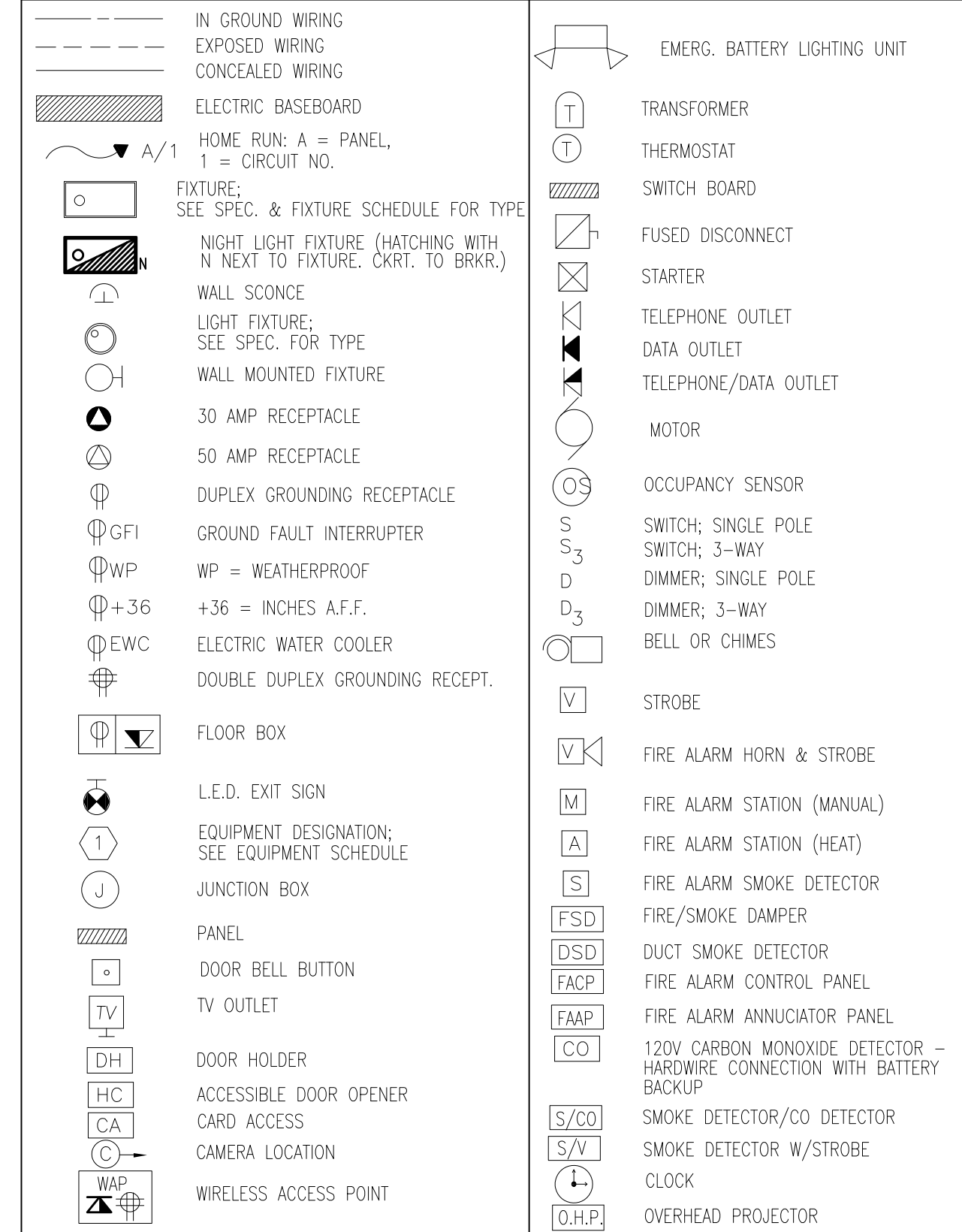
FINAL CD'S	date:
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drawn by: TDG
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POWER PLAN
sheet number

1.1

ELECTRICAL LEGEND



LIGHT FIXTURE SCHEDULE

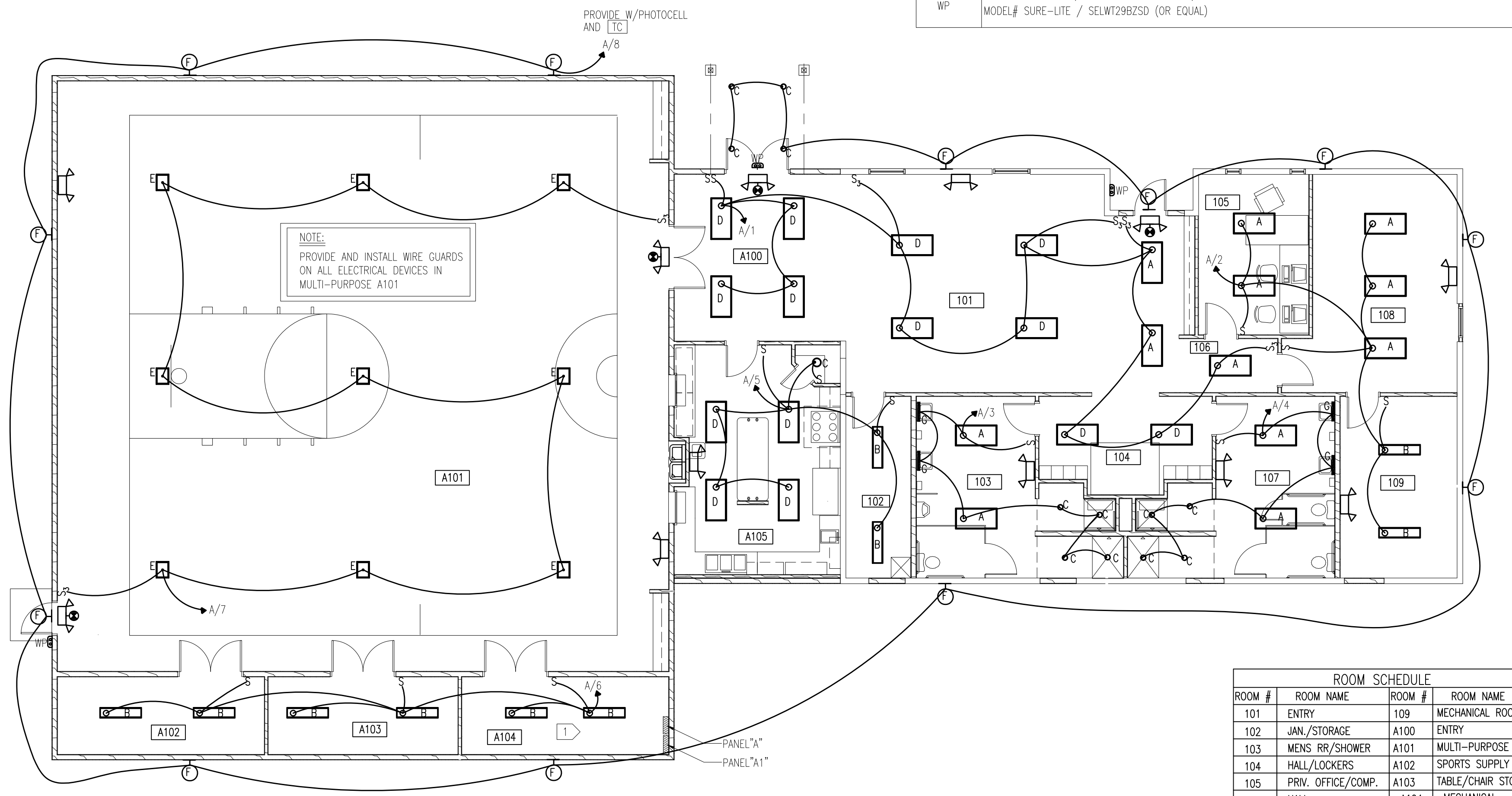
TYPE A [Circle with 'A']	2x4 FLAT PANEL LED - FIXTURE IS OPTIMIZED FOR SHALLOW PLENUM GRID CEILINGS OR SURFACE MOUNTING. NARROW ALUMINUM BEZEL IS TIGHTLY HELD TO CODE GAUGE STEEL BACK PLATE TO PROTECT THE LEADS AND OPTICAL AREA. FIXTURE IS STANDARD WITH 0-10V CONTROL DIMMERS, LONG-LIFE LED SYSTEM PROJECTS 60,000 HRS. LIFE. FINISH TO BE BAKED WHITE ENAMEL. LENS TO BE ACRYLIC. MODEL# METALUX / 24FP4735C
TYPE B [Circle with 'H']	LED 1x4 WRAPAROUND SURFACE MOUNT FIXTURE-HOUSING CONSISTS OF DIE FORMED COLD ROLLED STEEL. ENDS FORMED WITH THE HOUSING FOR STRENGTH AND PROVISIONS FOR CONTINUOUS ROW. LONG LIFE LED SYSTEM PROJECTS 60,000 HRS. LIFE. FINISH TO BE BAKED WHITE ENAMEL. LENS TO BE ACRYLIC. MODEL# COOPERLIGHTING/WNLED 4WSNLED-LD4-40SL-UNV-L840-CD1-U
TYPE C [Circle with 'OC']	LED SURFACE MOUNT CEILING LIGHT - WAVE STREAM TECHNOLOGY. ULTRA LOW PROFILE SURFACE MOUNT LUMINAIRE. MOUNTS TO JUNCTION BOX. HIGH TRANSMISSION POLYMER LENS. PROVIDE WITH 0-10V DIMMING. PROVIDE LEADS AS CALLED FOR IN PART NUMBER. FIXTURE TO BE CUL LISTED FOR WET LOCATION. MODEL# SLD612-8-30-WH-UNV-JB (PROVIDE W/ 0-10V DIMMING)
TYPE D [Circle with 'D']	2x4 SURFACE MOUNT FLAT PANEL LED - FIXTURE IS OPTIMIZED FOR SHALLOW PLENUM GRID CEILINGS OR SURFACE MOUNTING. NARROW ALUMINUM BEZEL IS TIGHTLY HELD TO CODE GAUGE STEEL BACK PLATE TO PROTECT THE LEADS AND OPTICAL AREA. FIXTURE IS STANDARD WITH 0-10V CONTROL DIMMERS, LONG-LIFE LED SYSTEM COUPLED WITH ELECTRICAL DRIVER TO DELIVER OPTIMAL PERFORMANCE. PROVIDE AND INSTALL LED'S AS CALLED FOR IN PART NO. (THIS TYPE "H" FIXTURE SHALL BE SURFACE MOUNTED) MODEL# METALUX / 24FP4735C - FFSURF24
TYPE E [Circle with 'E']	LED HIGH BAY FIXTURE - COMPACT, LIGHTWEIGHT DESIGN FOR EASE OF INSTALLATION. HIGH IMPACT POLYCARBONATE OPTICAL LENS. 18,000 LUMEN PACKAGE. HIGH PERFORMANCE EFFICACY UP TO 133lm/W. PROVIDE AND INSTALL LED'S AS CALLED FOR IN PART NUMBER. DRIVER TO BE ELECTRONIC. MODEL# METALUX / VHBLED-LD1-18-W-UNV-L835
TYPE F [Circle with 'H']	LED WALL PACK - REMOVABLE DIE-CAST ALUMINUM DOOR. FINISH TO BE DARK BRONZE POLYESTER POWDER COAT. BALLASTS, LED DRIVER AND RELATED ELECTRICAL COMPONENTS ARE HARD MOUNTED TO THE DIE-CAST HOUSING FOR OPTIMAL HEAT SINKING AND OPERATING EFFICIENCY. PROVIDE AND INSTALL LEADS AS CALLED FOR IN PART NUMBER. PROVIDE WITH PHOTOCELL. FIXTURE TO BE FLAT SOLITE GLASS DOOR. MODEL# COOPER/LUMARK WP-FL-4A-120
TYPE G [Circle with 'G']	LED VANITY FIXTURE-STEEL HOUSING W/MATTE SILVER FINISH. STEEL MOUNT PAN W/HI-REFLECTANCE WHITE POWDER COAT FINISH. MATTE WHITE ACRYLIC INNER DIFFUSER & CLEAR ACRYLIC DIFFUSER. MOUNTS DIRECTLY TO SURFACE W/TWO WALL ANCHORS (NOT INCLUDED). ADA COMPLIANT. PROVIDE AND INSTALL DRIVER AND LED MODULES AS CALLED FOR IN PART NUMBER. MODEL# TL TIRON LIGHTING/ VCY24-L18.0-120-UDL-LE500-SM-35K
L.E.D. EXIT SIGN [Circle with 'EXIT SIGN']	PROVIDE AND INSTALL EXIT SIGNS WHERE SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED. EXIT 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. MODEL# SURE-LITES/APX7R
EMERG. BAT. UNIT [Circle with 'EMERG. BAT. UNIT']	PROVIDE AND INSTALL WHERE SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED, EMERGENCY 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. MODEL# SURE-LITES/SEL17
EMERG. BAT. UNIT [Circle with 'EMERG. BAT. UNIT']	PROVIDE AND INSTALL WHERE SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED, EMERGENCY/EXIT LIGHT. 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. MODEL# SURE-LITES/APC7R
EXTERIOR EMERG. BAT. UNIT [Circle with 'EXTERIOR EMERG. BAT. UNIT']	WEATHERPROOF/DUAL LIGHT/WET LOCATION EMERGENCY LED LIGHT - BATTERY: FULL RECHARGE TIME, 24 HOURS 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. MODEL# SURE-LITE / SELW29BZSD (OR EQUAL)

GENERAL NOTES:

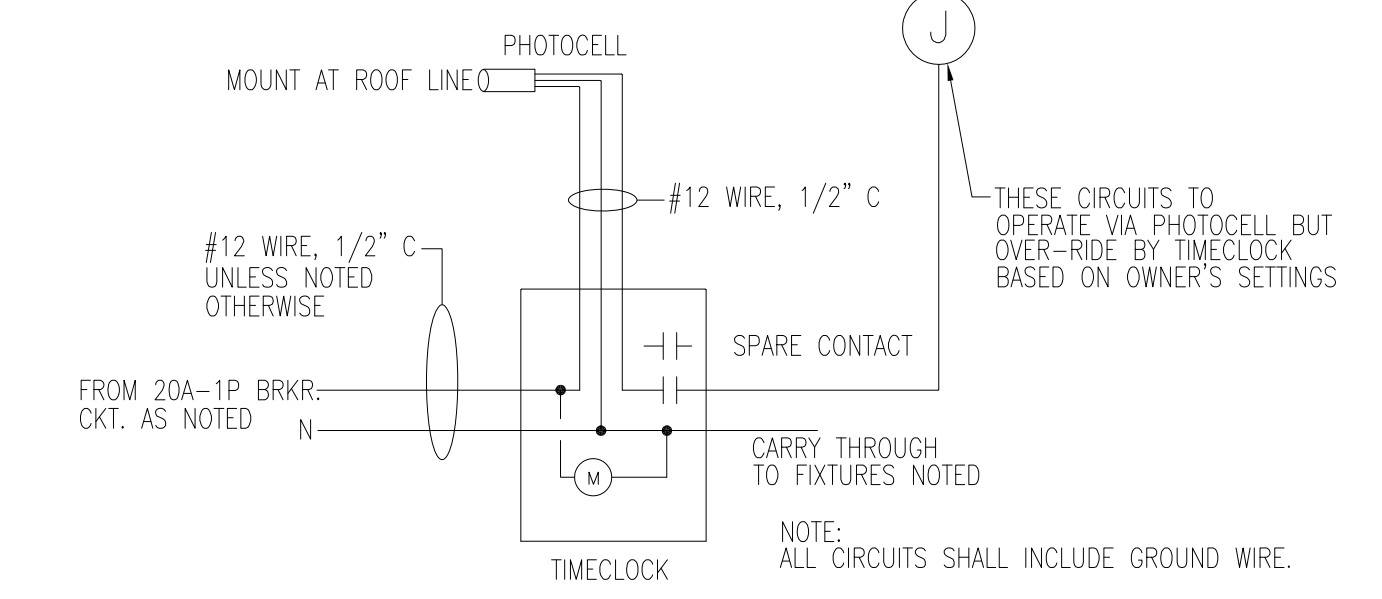
- CONTRACTOR SHALL COORDINATE WITH OTHER TRADES IN ORDER TO AVOID ALL INTERFERENCE.
- CONTRACTOR SHALL VERIFY ALL EXISTING SIZES, FUNCTIONS, LOCATIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS, FIXTURES, AND/OR APPURTENANCES FOR THE COMPLETE 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.
- CONTRACTOR SHALL INSTALL EQUIPMENT, FIXTURES, 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 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.
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- 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):

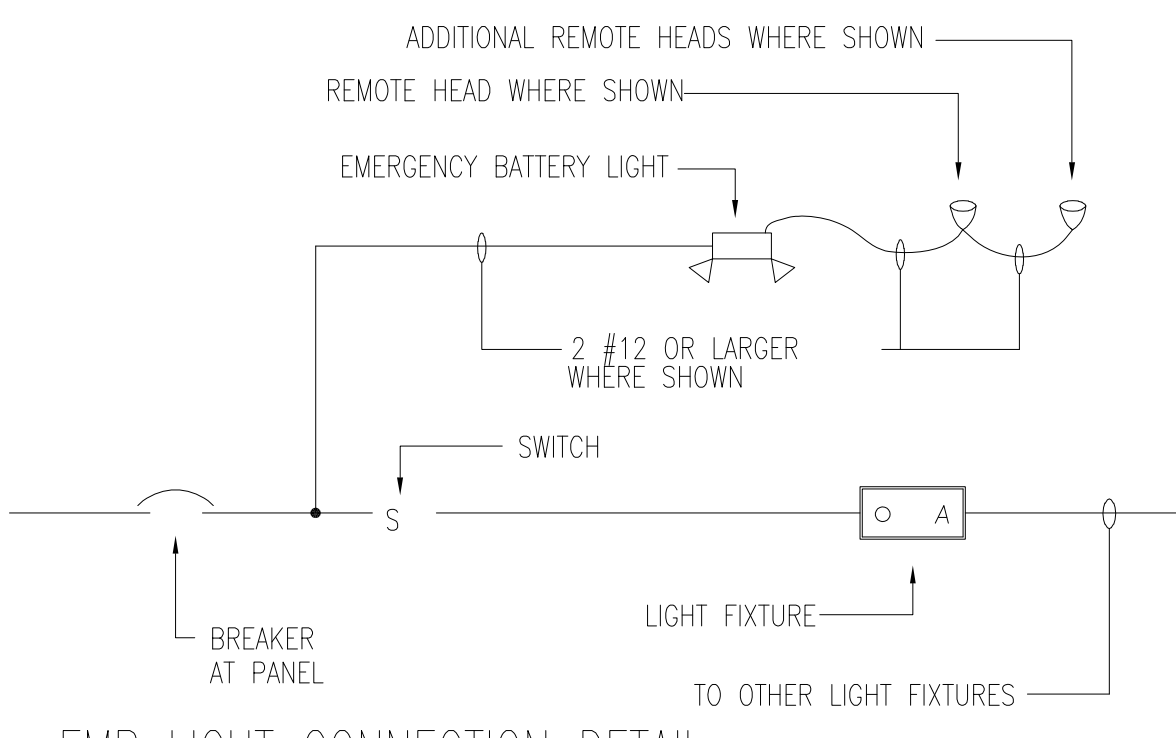
- COORDINATE LIGHTS WITH DUCTWORK THIS ROOM. LIGHTS MAY NEED TO BE CHAIN HUNG.



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		



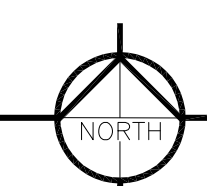
TIMELOCK/PHOTOCELL LIGHTING CONTROL DETAIL
NO SCALE



EMB LIGHT CONNECTION DETAIL
NO SCALE

LIGHTING PLAN

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



S. LAKE COMMUNITY CENTER
 59979 COUNTY RD 4
 S. Lake, Minnesota 56633

project no: 20-1827



The Design Group, Inc.
 331 6th Avenue SW
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PH: 218.262.1959
 FX: 218.262.1976

OTTO W. MAKI
 ENGINEER

93569
 REG. NO.

revisions:

FINAL CD'S	date:
	03-09-20

drawn by: TDG

designed by: TDG

checked by: OWM

date: 00-00-2020

sheet title

LIGHTING PLAN

sheet number

2.1

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

WATTSTOPPER
 OCCUPANCY SENSOR LEGEND

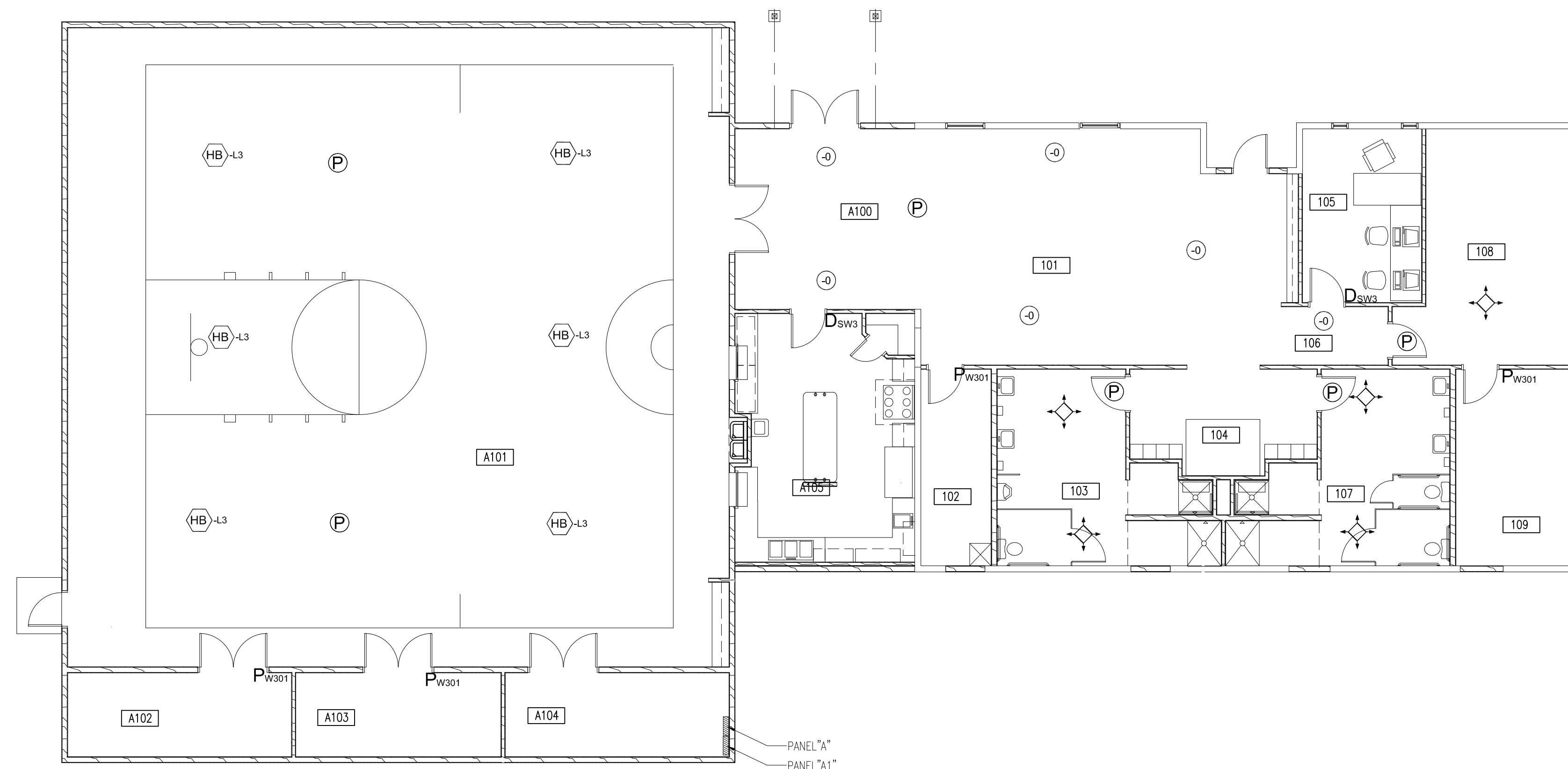
LAYOUT AND DESIGN
 SERVICE POLICY:

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 integrity of the factory provided design.

- 6 BZ-50
- 6 CI-200
- 2 DSW-301
- 5 DT-300
- 6 HB-300-L3
- 5 PW-301

GENERAL NOTES:

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ROOM SCHEDULE			
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108	MEETING ROOM		

OCCUPANCY SENSOR PLAN

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



853 West Hwy. 2 | Grand Rapids, MN 55744 | 218.227.0088

S. LAKE
 COMMUNITY CENTER

59979 COUNTY RD 4
 S. Lake, Minnesota 56633

project no: 20-1827



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 331 6th Avenue SW
 Chisholm, MN 55719

PH: 218.262.1959
 FX: 218.262.1976

OTTO W. AWAR
 ENGINEER

REG. NO. 93569

revisions:

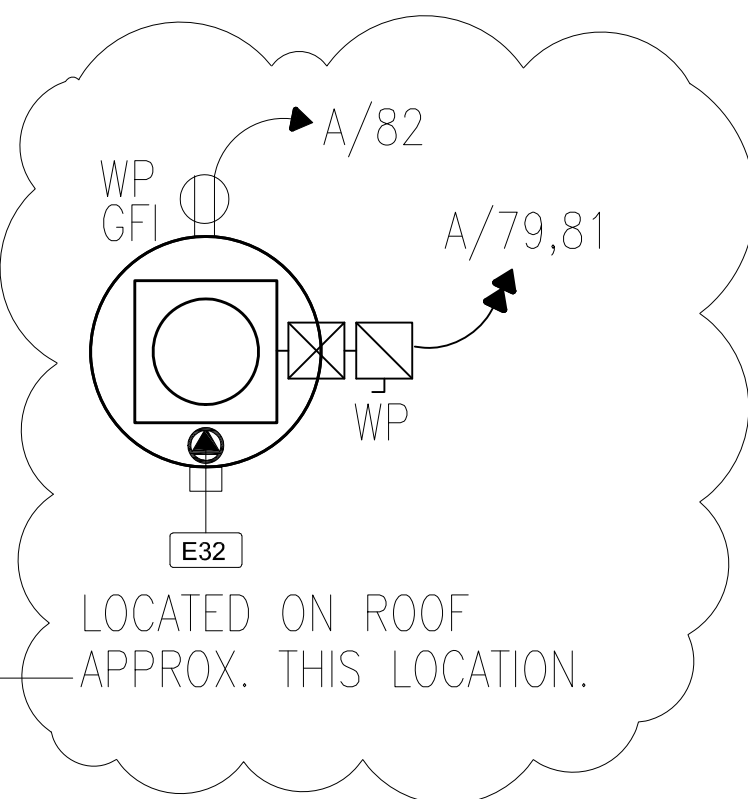
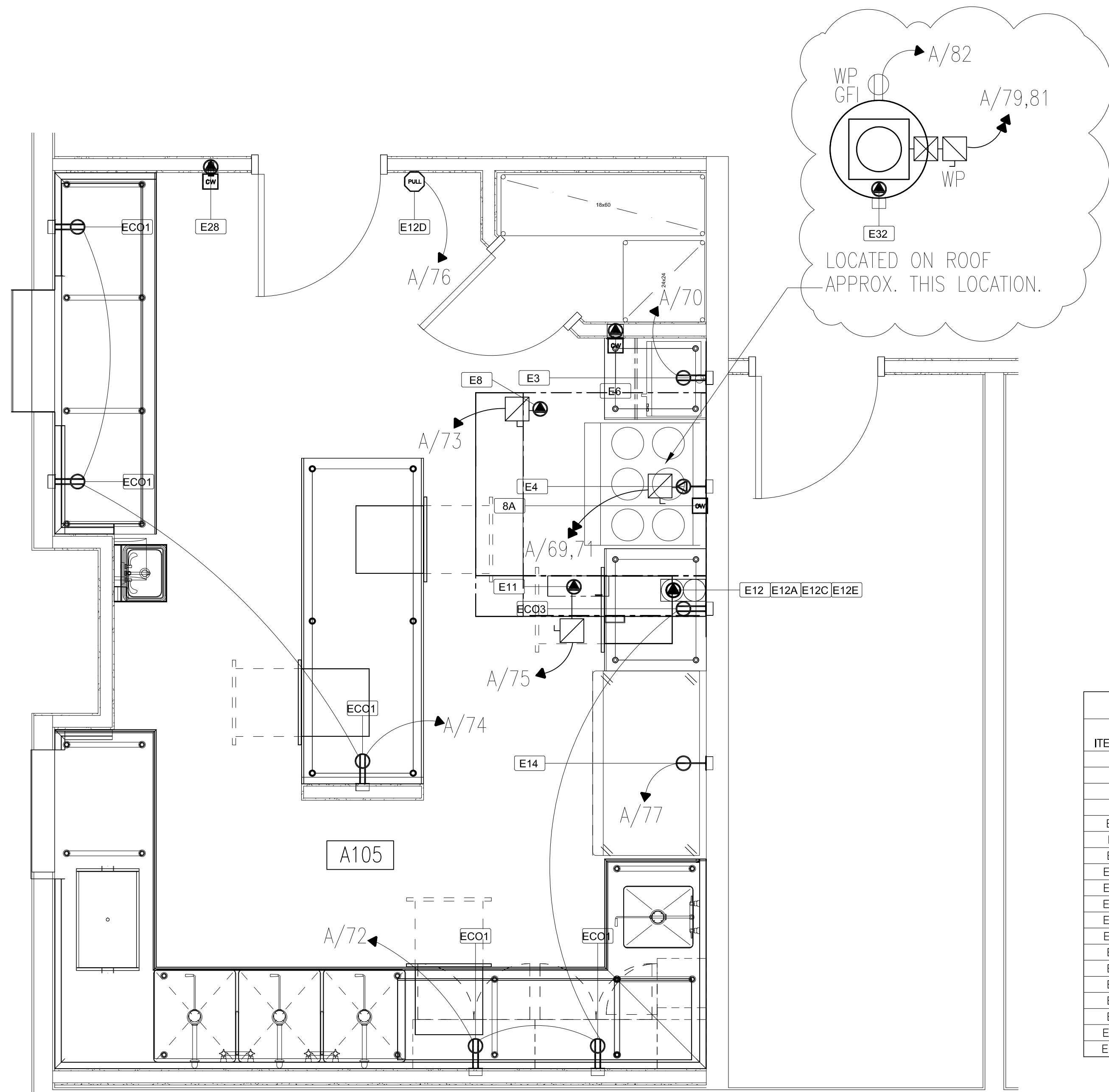
FINAL CD'S	date:
	03-09-20

sheet title

OCCUPANCY
 SENSOR
 PLAN

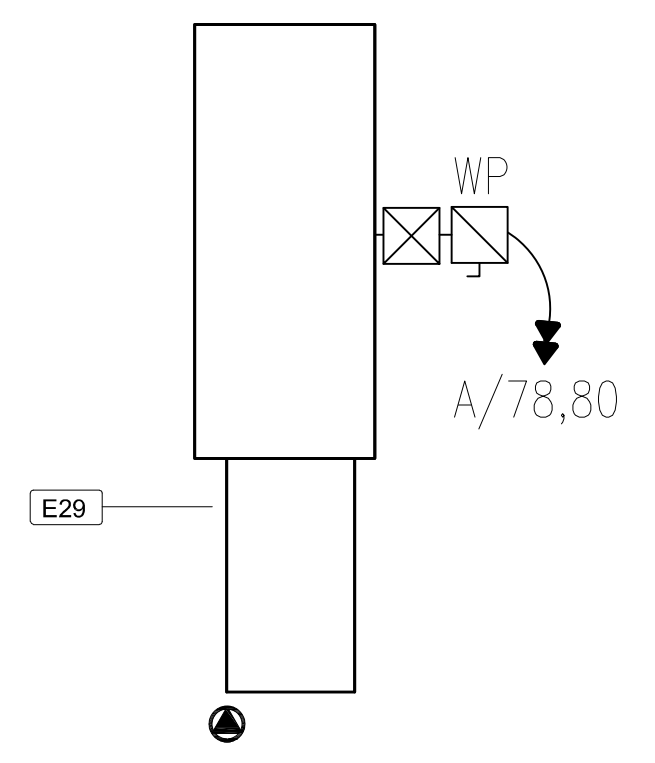
sheet number

3.1^e



NOTE:
PROVIDE AND INSTALL GFI'S AS REQUIRED BY N.E.C.

NOTE:
PROVIDE AND INSTALL SHUNT TRIP BREAKERS ON ALL ELECTRICAL EQUIPMENT UNDER EXHAUST HOOD(S).



KITCHEN POWER PLAN

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



GENERAL NOTES:

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ELECTRICAL ROUGH-IN SCHEDULE

ITEM NO	QTY	DESCRIPTION	SERVICE			ROUGH-IN		REMARKS & NOTES		
			VOLTS	PHASE	AMP	CONN. TYPE / OUTLET TYPE	NEMA		HEIGHT	ABRV
E3	1	Microwave Oven w/ Shelf	120 V	1	13.0 A	DR Cord & Plug	5-15P	5'-6"	AFF	Cord & Plug by EC
E4	1	Electric Range	240 V	1	70.8 A	Special Connection		1'-6"	AFF	
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-801
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 microswitch
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 Outlet	120 V	1	20.0 A			0"		Convenience Outlet by EC
ECO3	1	Convenience Outlet	120 V	1	20.0 A			0"		Convenience Outlet by EC / Note 3 & 4



S. LAKE COMMUNITY CENTER
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S. Lake, Minnesota 56633

project no: 20-1827



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

PH: 218.262.1959
FX: 218.262.1976

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Otto W. Mark
OTTO W. MARK 93569
ENGINEER REG. NO.

revisions:

FINAL CD'S	date:
	03-09-20

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

sheet title
KITCHEN POWER PLAN
sheet number
4.1

S. LAKE COMMUNITY CENTER FOODSERVICE GENERAL INFORMATION



1802 1st Avenue South
 Fargo, ND 58108
 (800) 437-4076
 www.culinox.com

311 4th Avenue South
 Sartell, MN 56377
 (320) 259-6567
 fax (320) 529-8905
 www.culinox.com

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GENERAL DEMOLITION EQUIPMENT NOTES

- 1) 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.
- 2) MECHANICAL & ELECTRICAL CONTRACTORS ARE RESPONSIBLE FOR DISCONNECTION AND RECONNECTION ON ALL RELOCATED EXISTING EQUIPMENT, SCHEDULED BY FSEC AFTER OPERATIONAL VERIFICATION.
- 3) 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.
- 4) 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.

GENERAL DOCUMENT NOTES

- 1) THE USE OF CULINEX DRAWINGS, ELECTRONIC MEDIA, SPECIFICATIONS AND OTHER DOCUMENTS:
 - A. 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.
 - B. 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.
 - C. 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.
 - D. 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.
- 3) 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.
- 4) 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.
 - B. 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.
- 5) 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.
 - B. 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.
 - C. 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 EQUIPMENT.
- 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

ABBRV.	ABBREVIATION DESCRIPTION
A	
AFF	ABOVE FINISH FLOOR
ADD	ADDENDUM
ADJ	ADJUSTABLE
AC	AIR CONDITIONING
ALT	ALTERNATE
AMP	AMPERAGE
ASI	ARCHITECTURAL SUPPLEMENTAL INSTRUCTION
ARCH	ARCHITECTURAL
B	
BFP	BACK FLOW PREVENTOR
BFF	BELOW FINISH FLOOR
BLKG	BLOCKING
BW	BOTH WAYS
BRKT	BRACKET
BTU	BRITISH THERMAL UNITS
BLDG	BUILDING
C	
CLG	CEILING
CL	CENTERLINE
CIRC	CIRCUIT
CLR	CLEAR
CW	COLD WATER
COND	CONDUIT
CD	CONSTRUCTION DETAIL
CONV	CONVENIENCE OUTLET
CG	CORNER GUARD
CFM	CUBIC FEET PER MINUTE
CAT5	ETHERNET CABLE
D	
D	DEEP, DEPTH
DEMO	DEMOLISH OR DEMOLITION
DT	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DW	DIRECT WASTE
DIST	DISTANCE
DBL	DOUBLE
DFA	DOWN FROM ABOVE
DTL	DRAIN WATER TEMPERING KIT
DWG	DRAWING
DR	DUPLEX RECEPTACLE OUTLET
E	
EA	EACH
ELEC	ELECTRICAL
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
EQ	EQUAL
EQP	EQUIPMENT
ETC	ETCRETERA
EXH	EXHAUST
EXIST	EXISTING
F	
F	DEGRESS FAHRENHEIT
FAB	FABRICATED / FABRICATOR

ABBRV.	ABBREVIATION DESCRIPTION
FT	FEET/FOOT
FILT	FILTERED WATER
FD	FLOOR DRAIN
FS	FLOOR SINK
FSEC	FOODSERVICE EQUIPMENT CONTRACTOR
FTG	FOOTING
FND	FOUNDATION
FLA	FULL LOAD AMPERAGE
FUT	FUTURE
G	
GPH	GALLON PER HOUR
GPM	GALLON PER MINUTE
GC	GENERAL CONTRACT(OR)
GM	GENERAL MANAGER
GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPT
H	
HVAC	HEATING VENTILATION & AIR CONDITIONING
HD	HEAVY DUTY
H	HIGH/HEIGHT
HP	HORSE POWER
HW	HOT WATER
HR	HOUR
I	
IN	INCH/INCHES
IW	INDIRECT WASTE
J	
JB	JUNCTION BOX
K	
KW	KILOWATT
L	
L	LENGHT
LCP	LOAD CENTER PANEL
LCA	LOAD CIRCUIT AMP
LV	LOW VOLTAGE
LB	POUNDS
LP	PROPANE GAS
M	
MAU	MAKE UP AIR UNIT
MFG	MANUFACTURE
MAX	MAXIMUM
MECH	MECHANICAL
MC	MECHANICAL CONTRACTOR
MTL	METAL
MC	METAL CLAD
MIN	MINIMUM
MBH	ONE THOUSAND BTU PER HOUR
N	
NEMA	NATIONAL ELEC MFG ASSOCIATION
NG	NATURAL GAS
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE

ABBRV.	ABBREVIATION DESCRIPTION
O	
OC	ON CENTER
OA	OVERALL
O & M	OWNER'S MANUAL
P	
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.	STAINLESS STEEL
SP	STATIC PRESSURE
SUCT	SUCTION
T	
TL	TWIST LOCK
TYP	TYPICAL
U	
UL	UNDERWRITES LABATORIES
UFB	UP FROM BELOW
UDS	UTILITY DISTRIBUTION SYSTEM
V	
VFY	VERIFY
V	VOLTS
W	
WSCT	WAINSCOT
WTR	WATER
WC	WATER COLUMN
W	WIDE
W/	WITH
W/O	WITHOUT
WD	WOOD

PROJECT INDEX

PROJECT KEY PLAN

PROJECT TITLE

S. LAKE COMMUNITY CENTER
 59979 County Rd 4 S.
 Lake, MN 56484

REVISIONS

REV #	DATE	ISSUE

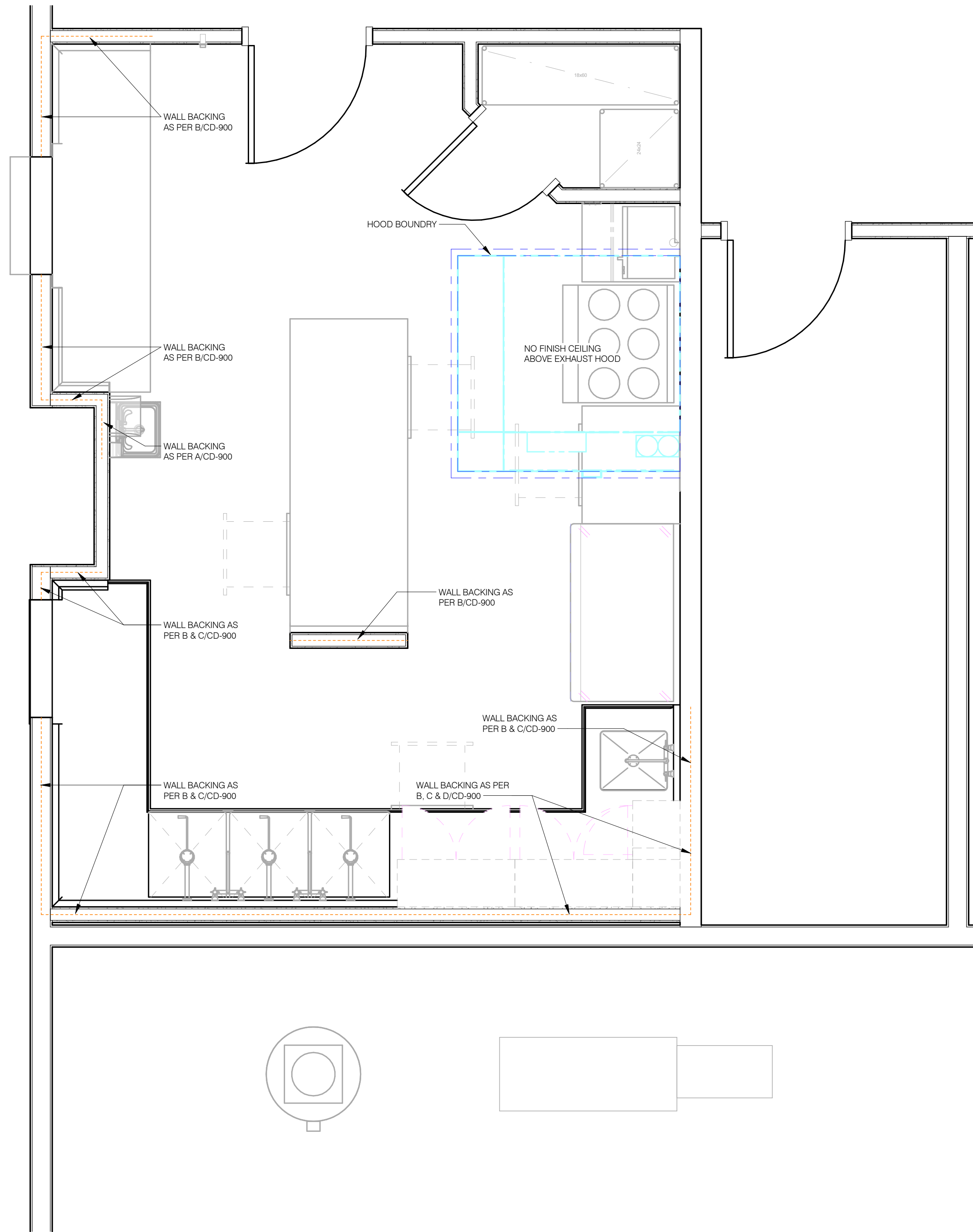
DRAWN BY: NP
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 PROJECT NUMBER: C2020.018

SHEET TITLE

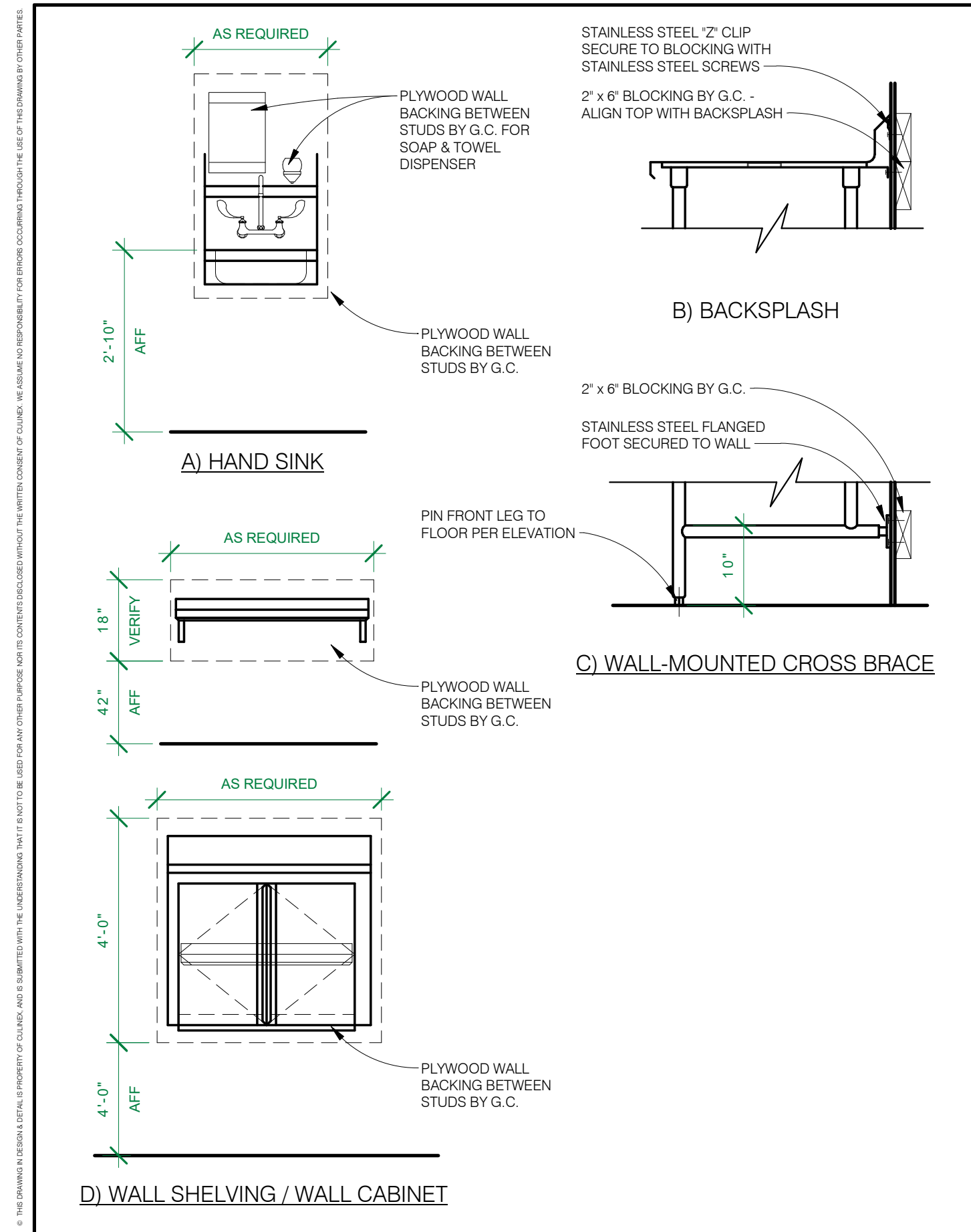
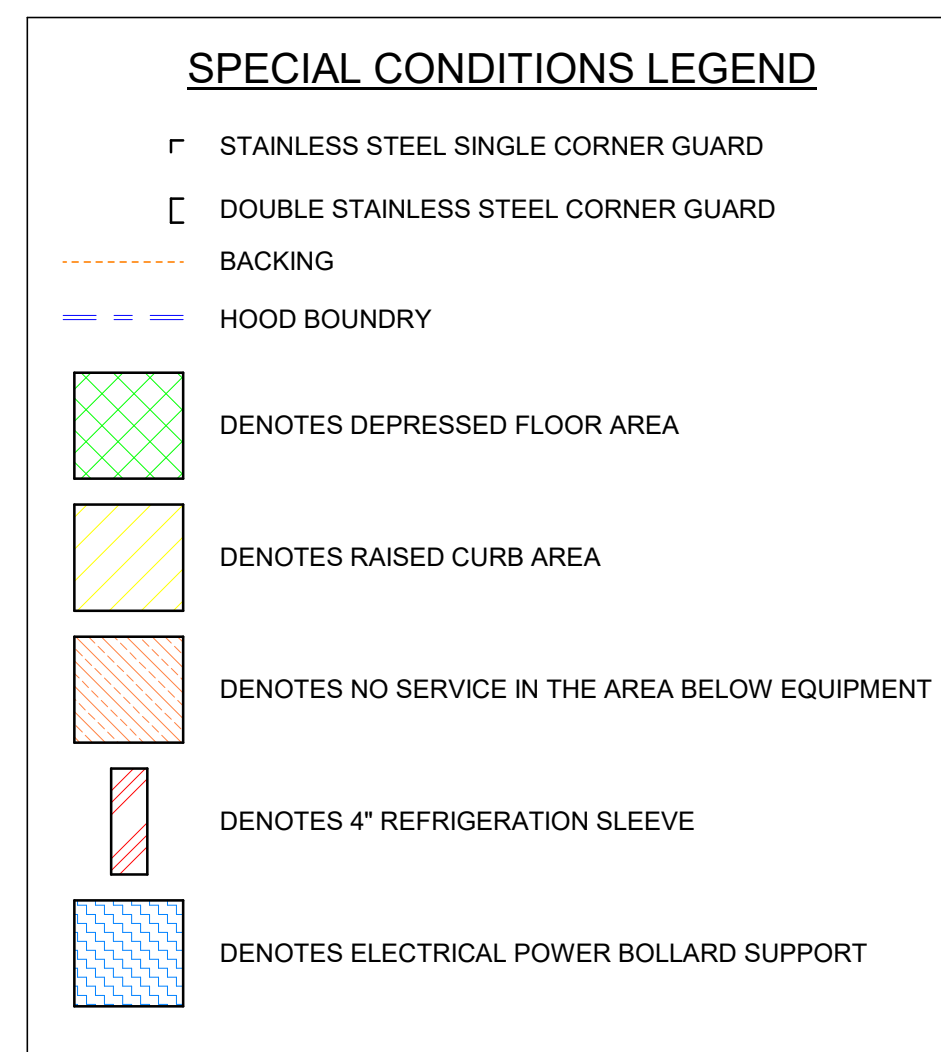
FOODSERVICE EQUIPMENT COVER SHEET

SHEET NUMBER

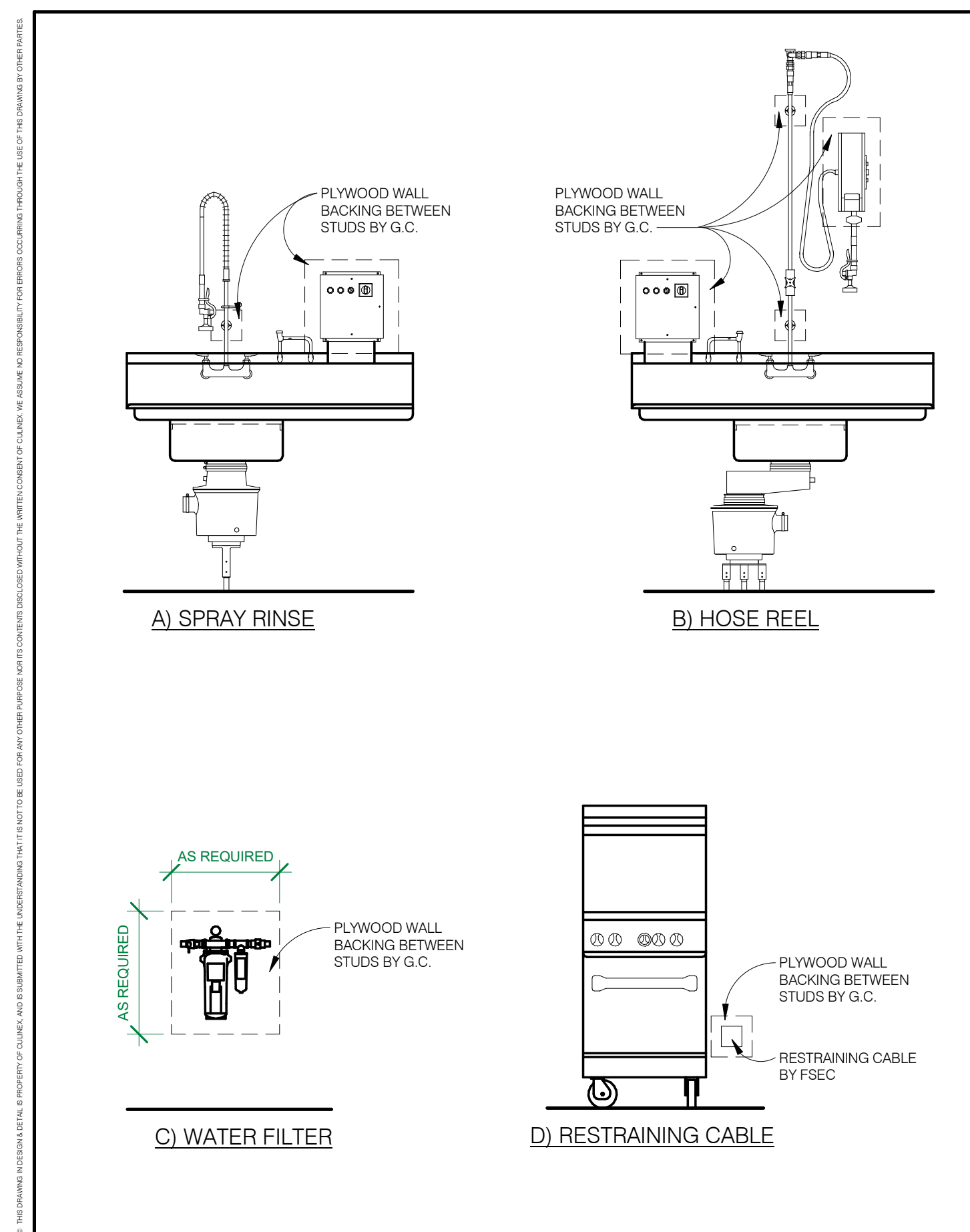
FS100



1 FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN
1/2" = 1'-0"



2 CD-900 WALL BACKING
FS200 NTS



3 CD-901 WALL BACKING
FS200 NTS



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59979 County Rd 4 S.
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SHEET TITLE
FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN

SHEET NUMBER
FS200

GENERAL HVAC NOTES:

- A. 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.
- B. 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)
- C. 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.
- D. 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.
- E. 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.
- F. 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:

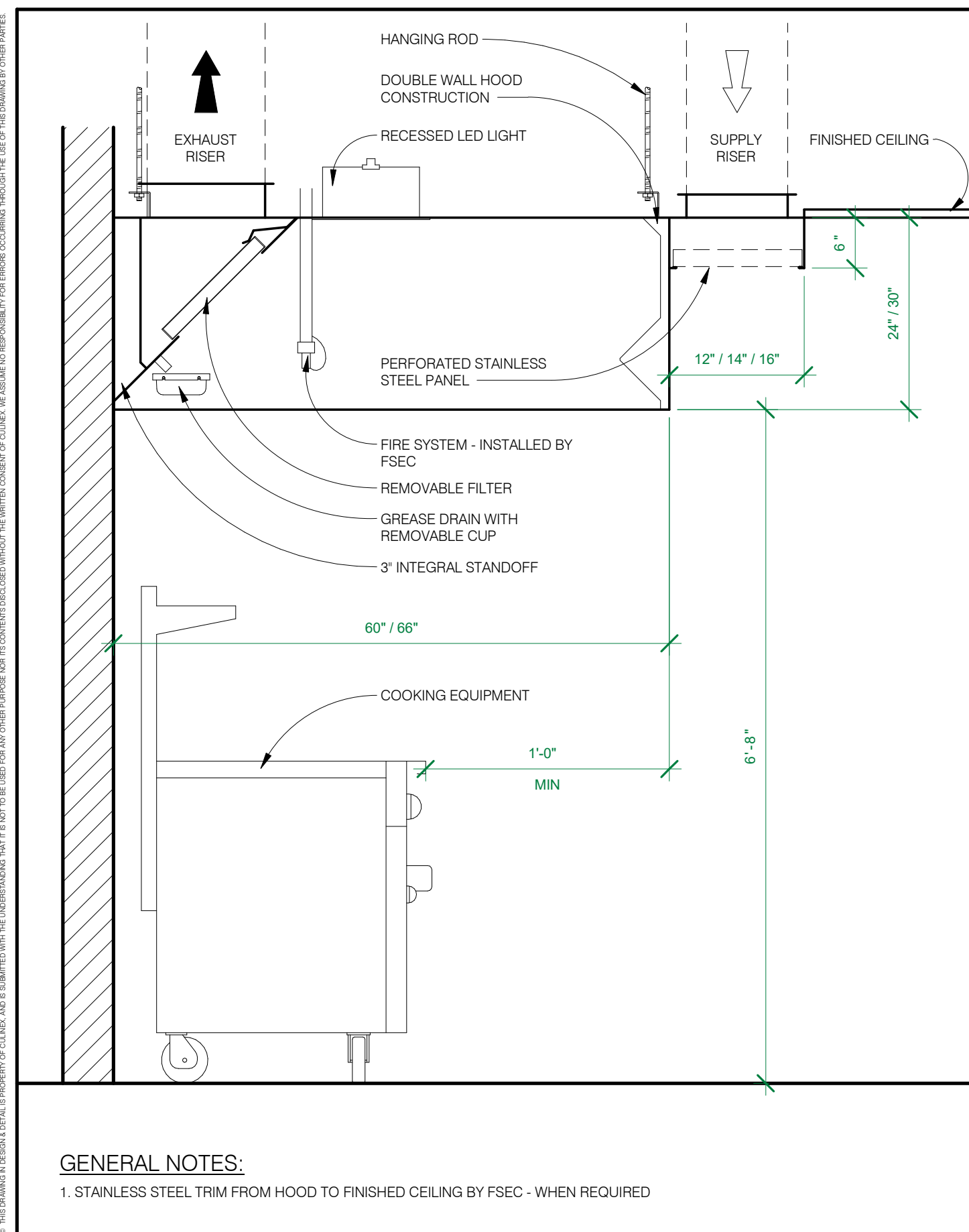
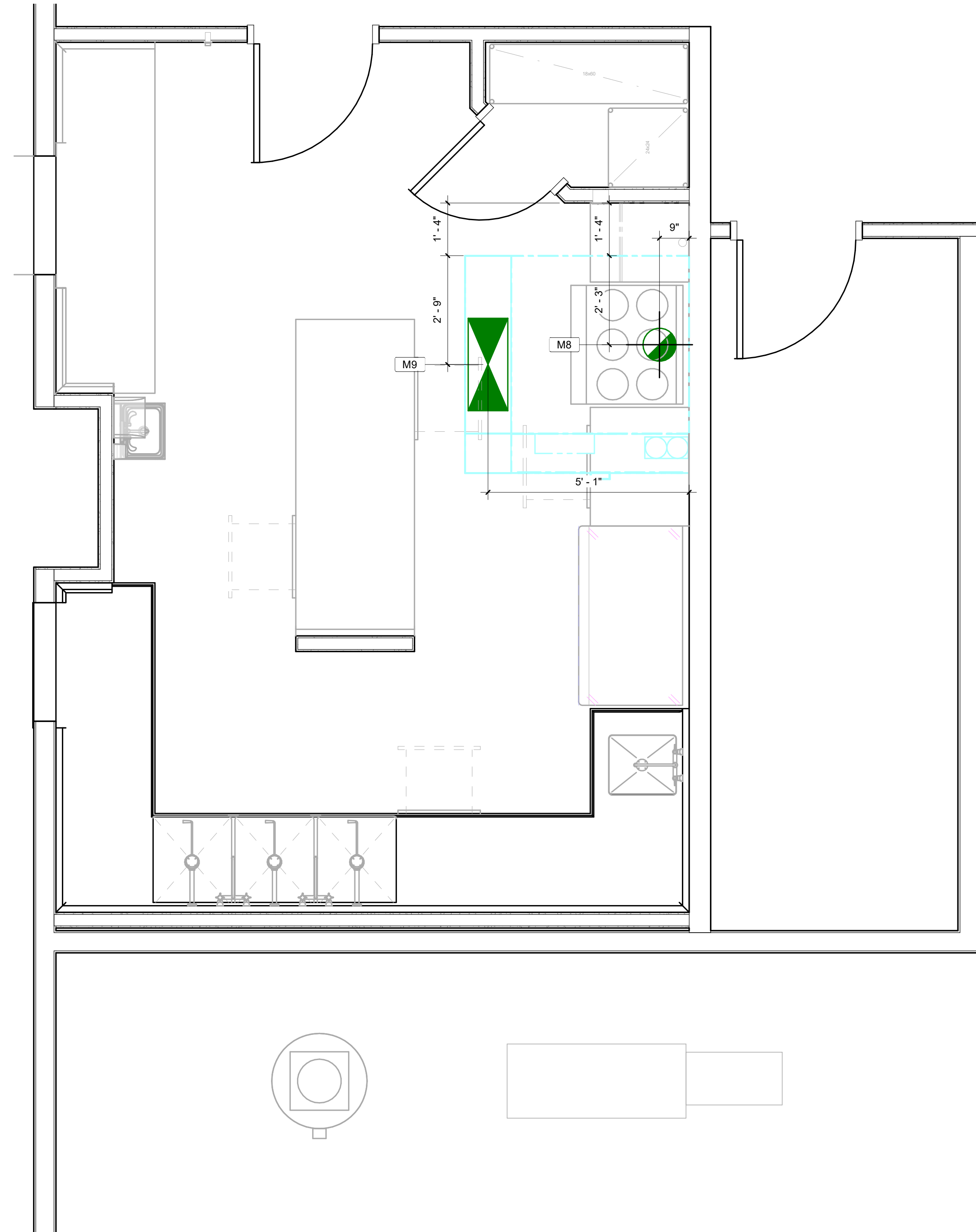
- 1) IN THE DISH ROOM, ANTICIPATE LATENT AND SENSIBLE HEAT GAIN FROM THE DISHMACHINE AND BOOSTER HEATER AS LISTED BELOW:
 - A. LATENT HEAT: XX,XXX BTU/HR
 - B. SENSIBLE HEAT: XX,XXX BTU/HR
 - C. PLEASE VENTILATE THE DISHROOM ACCORDINGLY:
 - 1. ASSUME THE DISHMACHINE SHALL BE OPERATIONAL 6-8 HOURS PER DAY - SCHOOL / COMMUNITY CENTER
 - 2. ASSUME THE DISHMACHINE SHALL BE OPERATIONAL 8-10 HOURS PER DAY - NURSING HOME
 - 3. ASSUME THE DISHMACHINE SHALL BE OPERATIONAL 8-10 HOURS PER DAY - ASSISTED
 - 4. 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.
- 3) 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.
- 5) WEIGHT PROVIDED BELOW ARE FOR EXHAUST HOOD AND SUPPLY PLENUM ONLY. VERIFY FINAL WEIGHTS WITH MANUFACTURE SHOP DRAWINGS.
 - A. ITEM #8/9 = 440 LBS
- 6) 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

MECHANICAL LEGEND

- EXHAUST DUCT CONNECTION
- ROUND EXHAUST DUCT CONNECTION
- SUPPLY DUCT CONNECTION
- ROUND SUPPLY DUCT CONNECTION

HVAC ROUGH-IN SCHEDULE								
ITEM NO	QTY	DESCRIPTION	EXHAUST AND SUPPLY DUCT			ROUGH-IN		HVAC REMARKS
			SIZE	CFM	SP	HEIGHT	ABRV.	
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



GENERAL NOTES:

- 1. STAINLESS STEEL TRIM FROM HOOD TO FINISHED CEILING BY FSEC - WHEN REQUIRED

1 FOODSERVICE EQUIPMENT HVAC ROUGH-IN PLAN
 FS600 1/2" = 1'-0"

2 CD-601 EXHAUST HOOD - MUA
 FS600 NTS

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FOODSERVICE EQUIPMENT HVAC ROUGH-IN PLAN, SCHEDULE & DETAILS

SHEET NUMBER

FS600

